



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

November 15, 2021

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

RE: Exempt Modification Application
4 Oliver Road, Enfield, CT 06082
Latitude: 41.960044
Longitude: -72.592319
Site #: 806373_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 4 Oliver Road, Enfield, CT 06082. Verizon Wireless currently maintains nine (9) antennas at the 150-foot level of the existing 160-foot tower. The property is owned by Oliver Road Holding LLC and the tower is owned by Crown Castle. Verizon now intends to replace six (6) antennas and add three (3) antennas. The new antennas would be installed at the 150-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable. The existing platform mount will be replaced per the attached Maser Mount Analysis report dated August 2, 2021.

Verizon Planned Modifications:

Remove:

(4) 7/8" Coax

Remove and Replace:

(3) SBNHH-1D65B Antennas (REMOVE) – (3) NHHSS-65B-R2BT0 Antennas (REPLACE)
(3) SBNHH-1D65B Antennas (REMOVE) – (3) NNH-65B-R2B Antennas (REPLACE)
(3) Nokia B66 RRH (REMOVE) - (3) Samsung RT4439D-25A (REPLACE)
(3) Nokia B13 RRH (REMOVE) - (3) Samsung RF4440D-13A (REPLACE)
(1) Hybrid Line (REMOVE) - (1) Hybrid Line (REPLACE)
(1) Raycap OVP (REMOVE) - (1) Raycap RRFDC-3315-PF-48 OVP (REPLACE)

Install New:

(3) MT6407-77A Antennas
(3) Samsung RT4401-48A

Existing to Remain:

(3) ANTEL Antennas
(6) 7/8" Coax



The facility was approved by the Connecticut Siting Council in Docket No. 139 on September 18, 1991. Please see attached.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Mayor Robert Cressotti, Christopher Bromson, Town Manager, and Jennifer Pacacha, Assistant Town Planner for the Town of Enfield. 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



NSS

NORTHEAST
SITE SOLUTIONS

Turnkey Wireless Development

Attachments

Cc: Mayor Robert Cressotti
Town of Enfield
820 Enfield Street, Enfield, CT 06082

Christopher Bromson, Town Manager
Town of Enfield
820 Enfield Street, Enfield, CT 06082

Jennifer Pacacha, Assistant Town Planner
Town of Enfield
820 Enfield Street, Enfield, CT 06082

Oliver Road Holding LLC
4 Oliver Road, Enfield, CT 06082

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

DOCKET NO. 139 - An application of
Metro Mobile CTS of Hartford, Inc., : Connecticut
for a Certificate of Environmental :
Compatibility and Public Need for : Siting
the construction, maintenance, and : Council
operation of cellular facilities in :
the Towns of Enfield, East Hartford,
and Wethersfield, Connecticut. September 18, 1991

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a cellular telecommunications towers and equipment buildings at the proposed Enfield, Connecticut, alternate site and the proposed East Hartford, Connecticut, prime site including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need as provided by section 16-50k of the Connecticut General Statutes (CGS), be issued to Metro Mobile CTS of Hartford, Inc., for the construction, operation, and maintenance of a cellular telecommunications tower, associated equipment, and building at the proposed alternate site in Enfield, Connecticut, and the proposed prime site in East Hartford, Connecticut.

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

1. The self-supporting monopole towers shall be no taller than necessary to provide the proposed communication service and in no event shall the towers exceed a total height of 163 feet above ground level (AGL) at the proposed Enfield alternate site and 123 feet AGL at the proposed East Hartford prime site, with antennas and appurtenances.
2. The Certificate holder shall prepare a Development and Management (D&M) Plan, for approval by the Council, for these sites in compliance with sections 16-50j-75 through 16-50j-77 of the Regulations of State Agencies. This D&M plan

shall include detailed plans of the towers, tower foundations, soil boring reports, equipment buildings, access roads, security fences, landscaping plans, detailed erosion and sedimentation control plans, and a final schedule. In addition, the D&M plan shall include for Council consideration, detailed plans and itemized costs for the placement of service utilities underground in order to further mitigate the visual effect of the facilities.

3. The Certificate holder shall comply with any existing and future radio frequency (RF) standards promulgated by State or federal regulatory agencies. Upon the establishment of any new governmental RF standards, the facilities granted herein shall be brought into compliance with such standards.
4. 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.
5. The Certificate holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
6. If the facility does not initially provide or permanently ceases to provide cellular service following completion of construction, this Decision and Order shall be void, and the tower and all associated equipment shall be dismantled and removed or reapplication for any new use shall be made to the Council as soon as practicable before any such new use is made.
7. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the effective date of this Decision and Order or within three years after all appeals to this Decision and Order have been resolved.

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

The parties to this proceeding are:

PARTIES	ITS REPRESENTATIVE
Metro Mobile CTS of Hartford, Inc. 20 Alexander Drive P.O. Box 5029 Wallingford, CT 06492 Attn: Gary Schulman	Robinson and Cole One Commercial Plaza Hartford, CT 06103-3597 Attn: Earl Phillips, Jr. (203) 275-8200
The Town of East Hartford	G. Barry Goodberg Assistant Corporation Counsel Town of East Hartford 740 Main Street East Hartford, CT 06108 (203) 289-2781
The Town of Enfield	Christopher W. Bromson Enfield Town Attorney 47 No. Main Street Enfield, CT 06082 (203) 745-0371 Ext. 290

SMH:bw

5534E

CERTIFICATION

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case in DOCKET NO. 139 - An application of Metro Mobile CTS of Hartford, Inc., for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of cellular facilities in the Towns of Enfield, East Hartford, and Wethersfield, Connecticut, or read the record thereof, and that we voted as follows:

Dated at New Britain, Connecticut the 18th day of September, 1991.

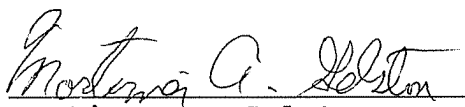
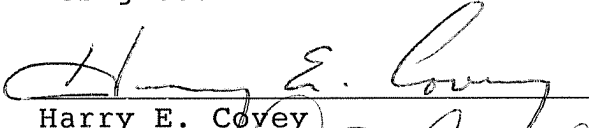
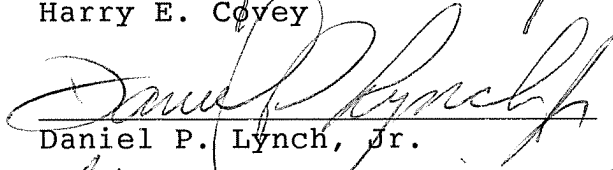
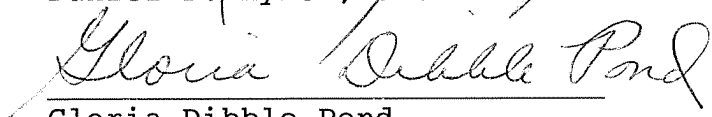
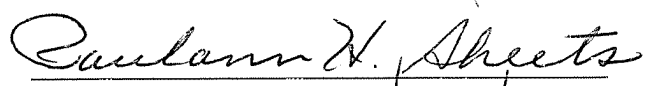
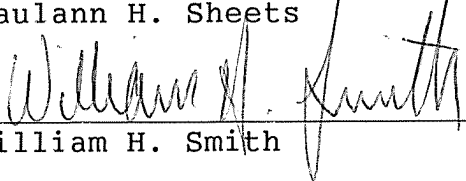
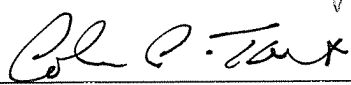
<u>Council Members</u>	<u>Vote Cast</u>
 Mortimer A. Gelston Chairman	YES
 Commissioner Clifton A. Leonhardt Designee: Commissioner Richard G. Patterson	ABSTAIN
Commissioner Timothy R.E. Keeney Designee: Brian Emerick	ABSENT
 Harry E. Covey	NO
 Daniel P. Lynch, Jr.	NO
 Gloria Dibble Pond	YES
 Paulann H. Sheets	YES
 William H. Smith	YES
 Colin C. Tait	YES

Exhibit B

Property Card

2 OLIVER RD

Location	2 OLIVER RD	Mblu	017 / / 0094 / /
Acct#	002100020005	Owner	OLIVER ROAD HOLDING LLC
Assessment	\$838,100	Appraisal	\$1,230,350
PID	4299	Building Count	1
Fire District	1		

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2020	\$884,020	\$346,330	\$1,230,350
Assessment			
Valuation Year	Improvements	Land	Total
2020	\$618,810	\$219,290	\$838,100

Owner of Record

Owner	OLIVER ROAD HOLDING LLC	Sale Price	\$150,000
Co-Owner	C/O CROWN CASTLE	Certificate	
Address	PMB 353 - 4017 WASHINGTON RD	Book & Page	2520/0875
	MCMURRAY, PA 15317	Sale Date	10/24/2010
		Instrument	28

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
OLIVER ROAD HOLDING LLC	\$150,000		2520/0875	28	10/24/2010
SMYTH MICHAEL E	\$0	1	0454/0889		12/05/1980

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	Outbuildings
Model	
Grade:	
Stories	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Full Bthrms:	
Half Baths:	
Extra Fixtures	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Extra Kitchens	
Fireplace(s)	
Extra Opening(s)	
Gas Fireplace(s)	
Blocked FPL(s)	
Bsmt Garage(s)	
Fin Bsmt	
FBM Quality	
Whirlpool(s)	
Sauna	
Walk Out	
Solar	
Fndtn Cndtn	
Basement	

Building Photo



(http://images.vgsi.com/photos2/EnfieldCTPhotos/\00\01\64\56.jpg)

Building Layout

 Building Layout (ParcelSketch.ashx?pid=4299&bid=4299)

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

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use	Land Line Valuation
Use Code 300	Size (Acres) 10.22
Description Ind Land	Frontage
Zone I-1	Depth
Neighborhood	Assessed Value \$219,290
Alt Land Appr No	Appraised Value \$346,330
Category	

Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
FN2	FENCE-6' CHAIN			220.00 L.F.	\$1,870	1
SHD1	Shed	FR	Frame	120.00 S.F.	\$810	1
BRN8	Pole Barn	TY	Typical	11050.00 S.F.	\$140,390	1
TWR5	Cell Twr5 Carriers			1.00 UNITS	\$740,630	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2019	\$884,020	\$237,490	\$1,121,510
2018	\$884,020	\$237,490	\$1,121,510
2017	\$884,020	\$237,490	\$1,121,510

Assessment			
Valuation Year	Improvements	Land	Total
2019	\$618,810	\$143,100	\$761,910
2018	\$618,810	\$143,100	\$761,910
2017	\$618,810	\$143,100	\$761,910



Exhibit C

Construction Drawings



VERIZON SITE NUMBER: 467160
VERIZON SITE NAME: ENFIELD CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 162'-0"

BUSINESS UNIT #: 806373
SITE ADDRESS: 4 OLIVER ROAD
ENFIELD, CT 06082
COUNTY: HARTFORD
JURISDICTION: TOWN OF ENFIELD

VERIZON 16244109

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
467160

BU #: 806373
HRT 101 943232

4 OLIVER ROAD
ENFIELD, CT 06082

EXISTING 162'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	09/30/2021	AM	CONSTRUCTION	AS
1	10/15/2021	AM	CLIENT COMMENTS	AS
2	10/29/2021	AM	CLIENT COMMENTS	AS

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME: HRT 101 943232
SITE ADDRESS: 4 OLIVER ROAD
ENFIELD, CT 06082
COUNTY: HARTFORD
MAP/PARCEL #: 17-94
AREA OF CONSTRUCTION: EXISTING
LATITUDE: 41° 57' 36.20"
LONGITUDE: -72° 35' 32.30"
LAT/LONG TYPE: NAD83
GROUND ELEVATION: 114.0 FT
CURRENT ZONING: N/A
JURISDICTION: TOWN OF ENFIELD
OCCUPANCY CLASSIFICATION: U
TYPE OF CONSTRUCTION: IIB
A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR
HUMAN HABITATION
PROPERTY OWNER: OLIVER ROAD HOLDING LLC
C/O CROWN CASTLE PMB 353
4017 WASHINGTON RD MCMURRAY, PA 15317
TOWER OWNER: CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317
CARRIER/APPLICANT: VERIZON WIRELESS
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921
ELECTRIC PROVIDER: NORTHEAST UTILITIES
TELCO PROVIDER: LIGHTOWER

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	EQUIPMENT DETAILS
C-7	PLUMBING DIAGRAM
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 11X17. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

APPROVALS

SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR	
PROJECT NUMBER	16244109
VzW LOCATION CODE (PSLC)	467160

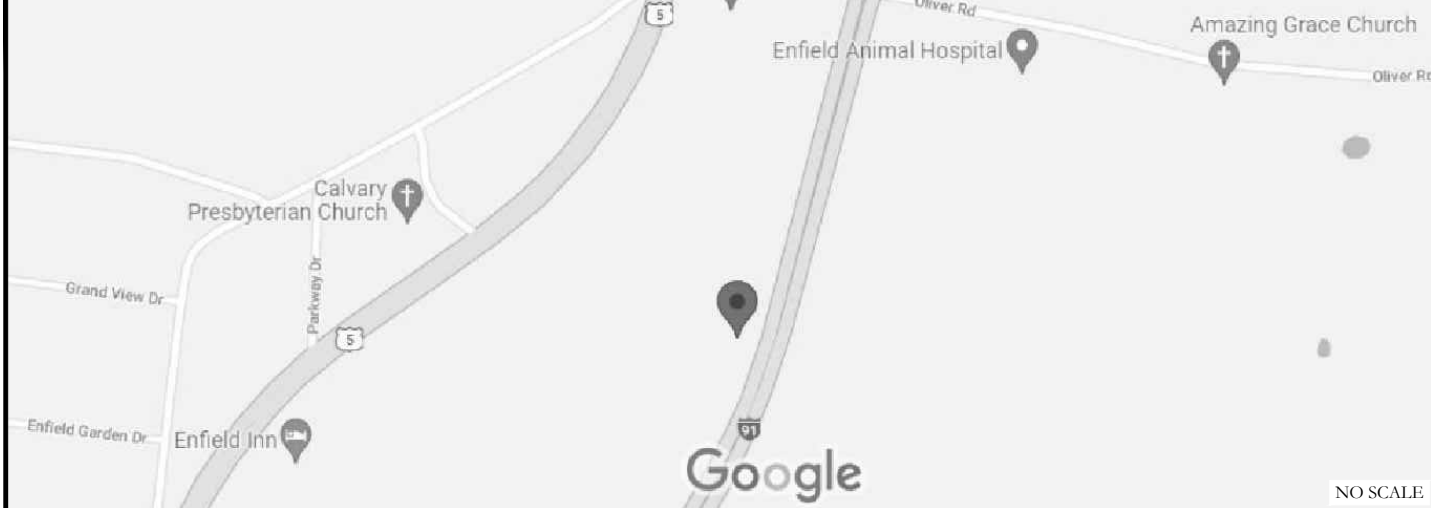
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED Y

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



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

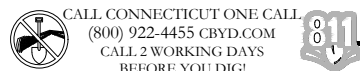
APPLICABLE CODES/REFERENCE DOCUMENTS

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

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

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	B+T GRP
DATED:	09/09/2021
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	08/02/2021
RFDS REVISION:	----
DATED:	07/09/2021
ORDER ID:	584966
REVISION:	0



PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:

- REMOVE (6) ANTENNAS
- REMOVE (6) RRHs
- REMOVE (4) COAX
- REMOVE (1) OVP
- REMOVE (1) HYBRID CABLE
- INSTALL (9) ANTENNAS
- INSTALL (9) RRHs
- INSTALL (1) OVP
- INSTALL (1) HYBRID CABLE

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



10/29/2021
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER:

T-1

REVISION:

2

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
- 4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
- 4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERIFY 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/IEEC 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/IEEC 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 LOCKRIT 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

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 SITE NUMBER:
467160

BU #: 806373
HRT 101 943232

4 OLIVER ROAD
ENFIELD, CT 06082

EXISTING 162'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	09/30/2021	AM	CONSTRUCTION	AS
1	10/15/2021	AM	CLIENT COMMENTS	AS
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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

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-OFF-POTENTIAL 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 GROUNDDED 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).



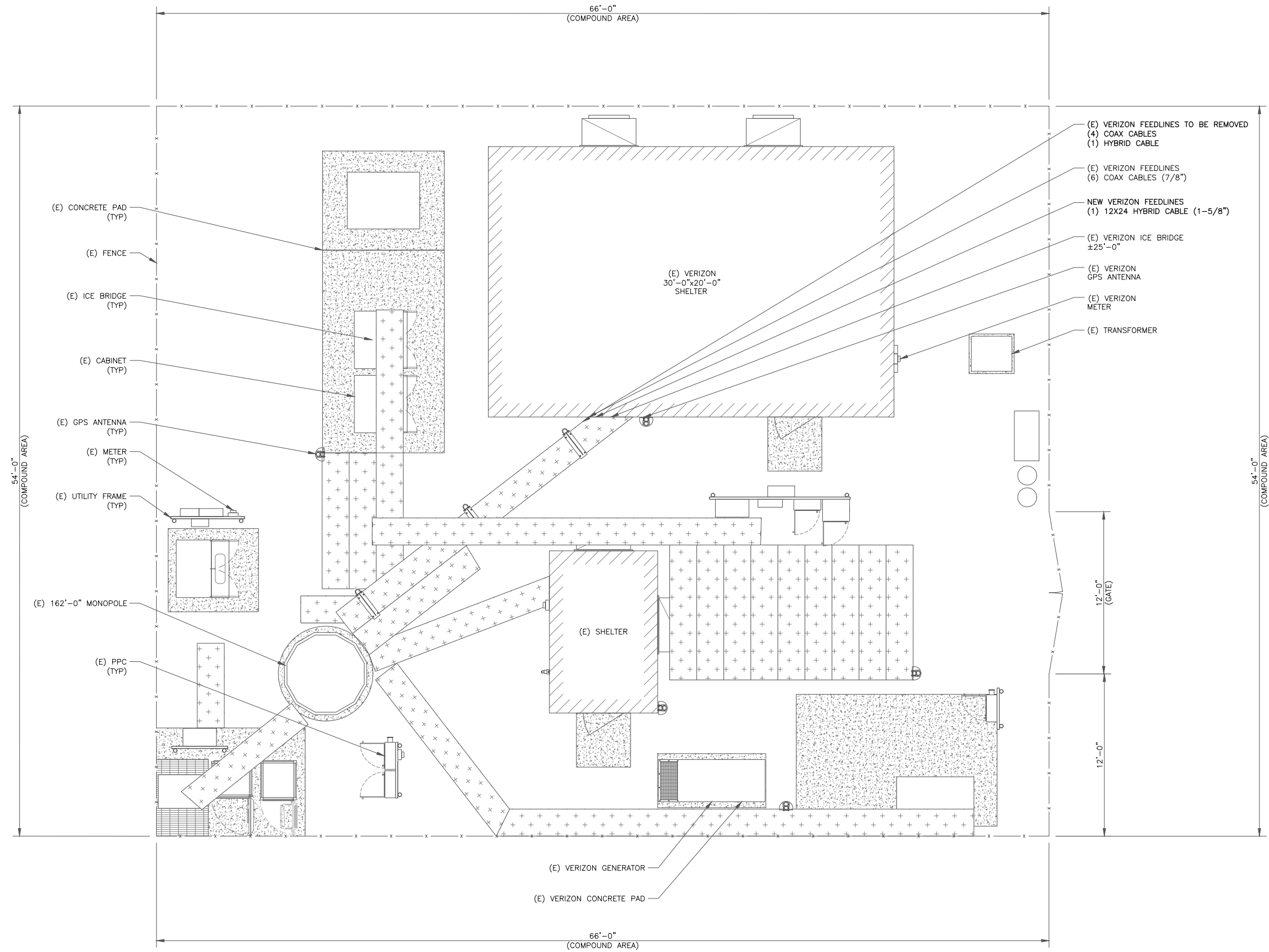
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SHEET NUMBER:

T-2

REVISION:

2



verizon

180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN
CASTLE

1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

ETS

ENGINEERED TOWER
SOLUTIONS, LLC

3227 WELLINGTON COURT
RALEIGH, NC 27615

VERIZON SITE NUMBER:
467160

BU #: 806373
HRT 101 943232

4 OLIVER ROAD
ENFIELD, CT 06082

EXISTING 162'-0" MONOPOLE

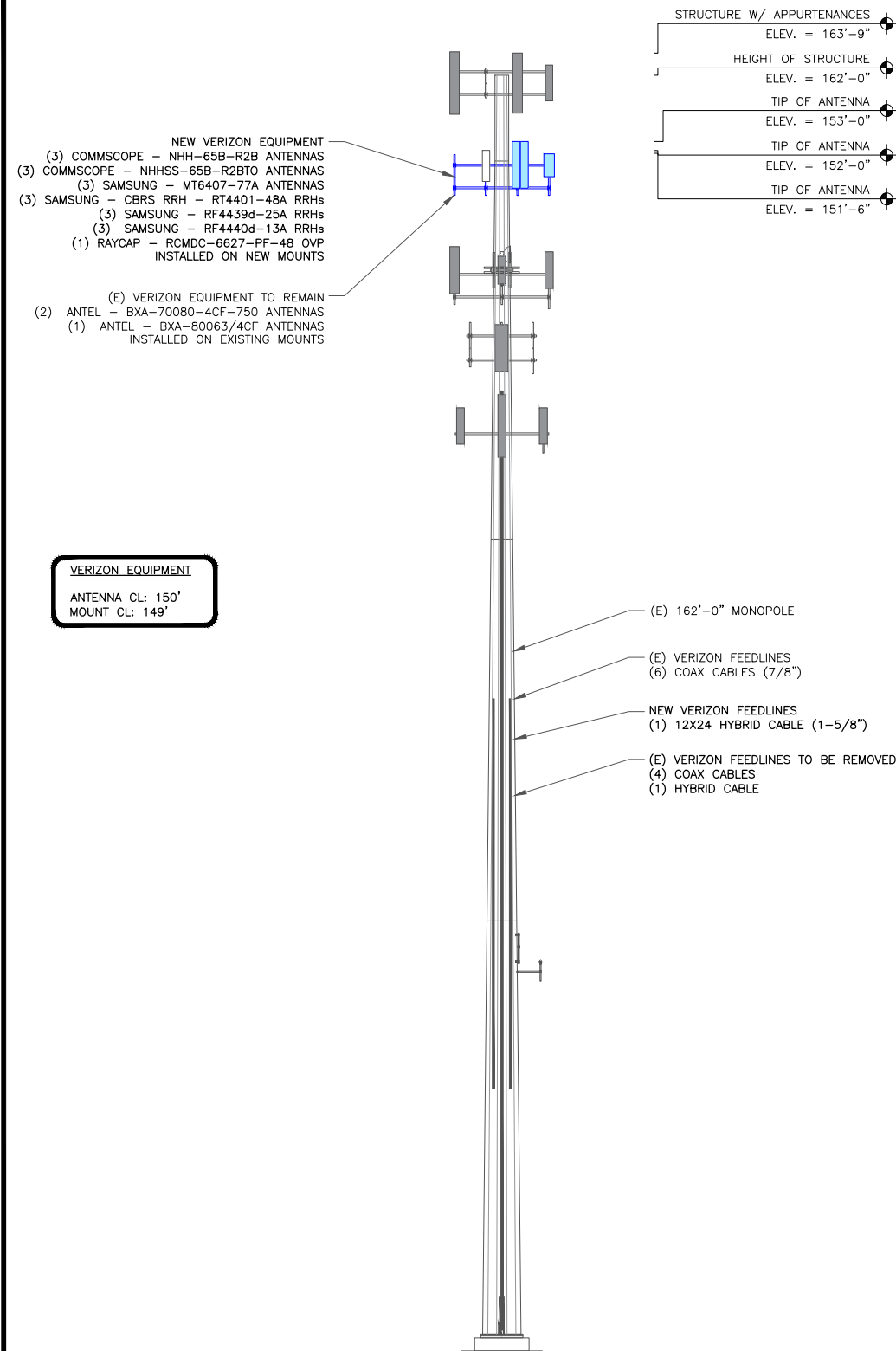
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10/29/2021

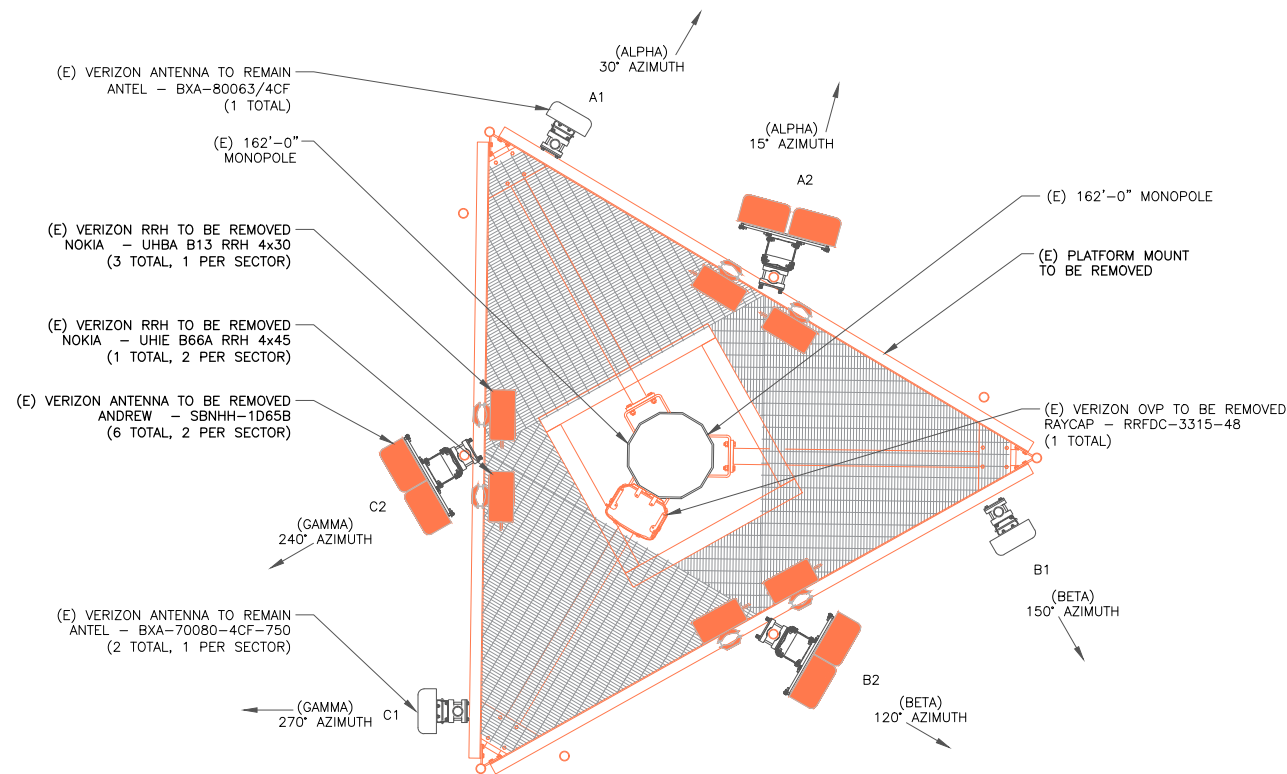
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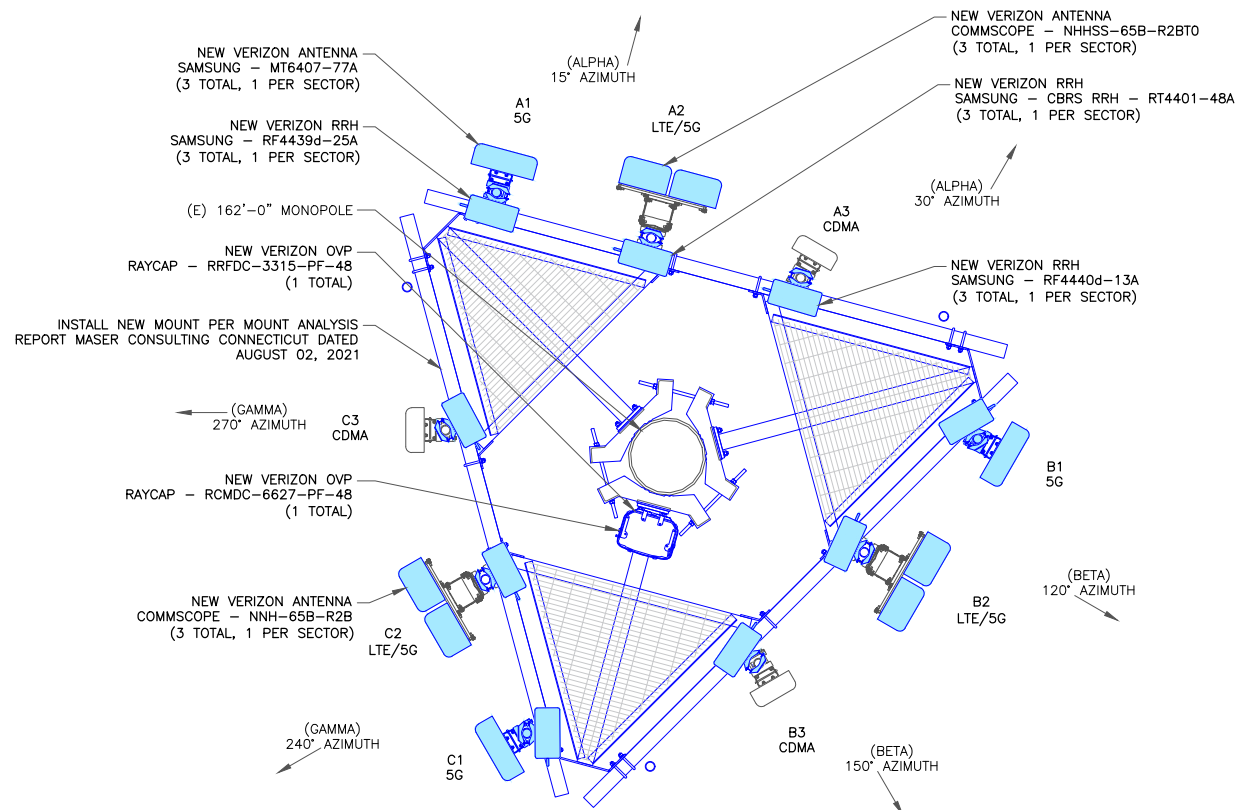
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1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

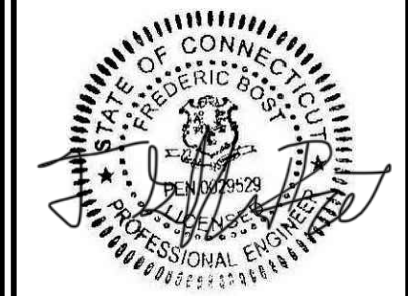
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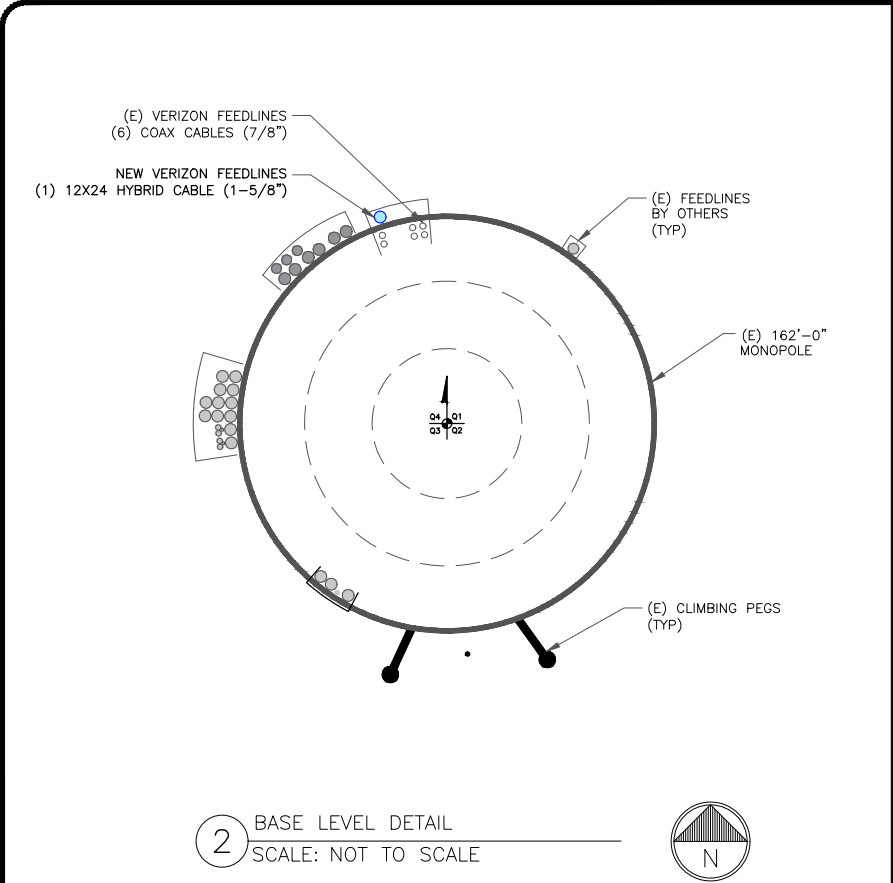
10/29/2021
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TO ALTER THIS DOCUMENT.

SHEET NUMBER: **C-2** REVISION: **2**

ANTENNA/RRH SCHEDULE									
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	NEW	SAMSUNG	MT6407-77A	150'	15°	0°	6°	SAMSUNG	(1) RF4439d-25A
A2	NEW	COMMSCOPE	NHH-65B-R2B	150'	15°	0°	3°	SAMSUNG	(1) CBRS RRH - RT4401-48A
			NHHSS-65B-R2BT0						
A3	EXISTING	ANTEL	BXA-80063/4CF	150'	30°	6°	0°	SAMSUNG	(1) RF4440d-13A
								(N) RAYCAP	RCMDC-6627-PF-48
B1	NEW	SAMSUNG	MT6407-77A	150'	120°	0°	6°	SAMSUNG	(1) RF4439d-25A
B2	NEW	COMMSCOPE	NHH-65B-R2B	150'	120°	0°	3°	SAMSUNG	(1) CBRS RRH - RT4401-48A
			NHHSS-65B-R2BT0						
B3	EXISTING	ANTEL	BXA-70080-4CF-750	150'	150°	0°	0°	SAMSUNG	(1) RF4440d-13A
C1	NEW	SAMSUNG	MT6407-77A	150'	240°	0°	6°	SAMSUNG	(1) RF4439d-25A
C2	NEW	COMMSCOPE	NHH-65B-R2B	150'	240°	0°	3°	SAMSUNG	(1) CBRS RRH - RT4401-48A
			NHHSS-65B-R2BT0						
C3	EXISTING	ANTEL	BXA-70080-4CF-750	150'	270°	0°	0°	SAMSUNG	(1) RF4440d-13A

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE				
STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	7/8"	200'-0"±	6
NEW	HYBRID	1-5/8"	200'-0"±	1
TOTAL CABLE QTY:				7



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE



180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

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

VERIZON SITE NUMBER:
467160

BU #: 806373
HRT 101 943232

4 OLIVER ROAD
ENFIELD, CT 06082

EXISTING 162'-0" MONOPOLE

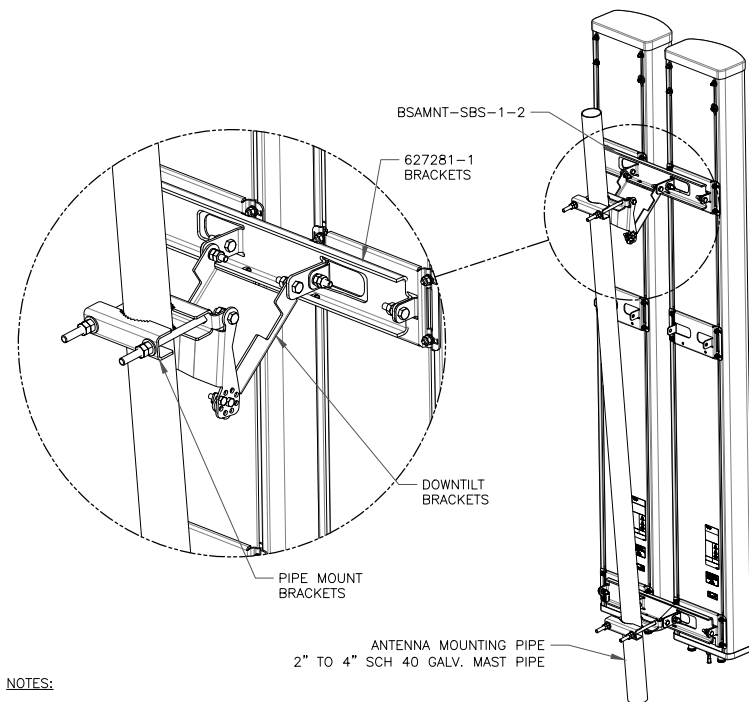
ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	09/30/2021	AM	CONSTRUCTION	AS
1	10/15/2021	AM	CLIENT COMMENTS	AS
2	10/29/2021	AM	CLIENT COMMENTS	AS

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SHEET NUMBER:
C-3

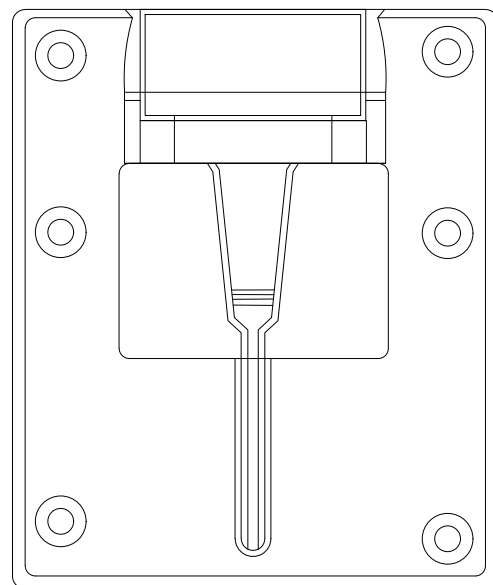
REVISION:
2



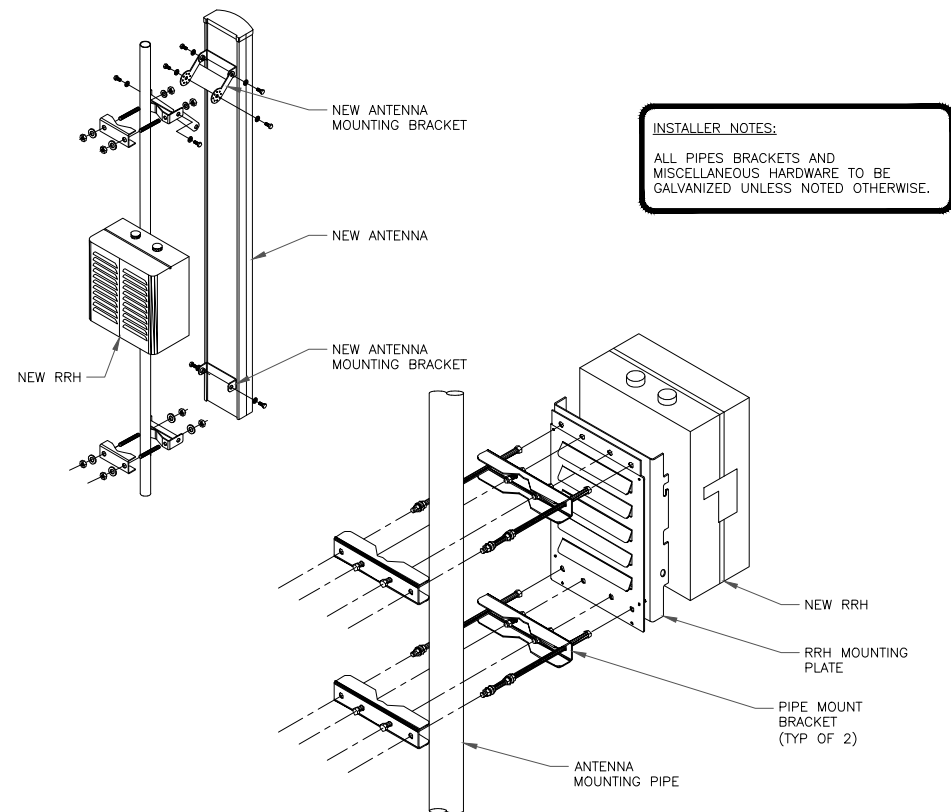
- NOTES:
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
 - TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

2 NOT USED
SCALE: NOT TO SCALE



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



4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

verizon

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CROWN CASTLE

1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

ETS

ENGINEERED TOWER SOLUTIONS, LLC

3227 WELLINGTON COURT
RALEIGH, NC 27615

VERIZON SITE NUMBER:
467160

BU #: **806373**
HRT 101 943232

4 OLIVER ROAD
ENFIELD, CT 06082

EXISTING 162'-0" MONOPOLE

ISSUED FOR:

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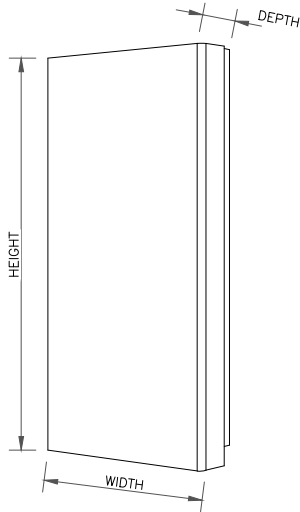
SHEET NUMBER:

C-4

REVISION:

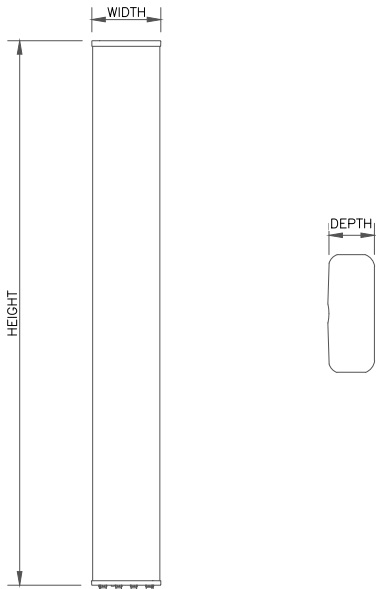
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HEIGHT	WIDTH	DEPTH	WEIGHT
35.06"	16.06"	5.51"	81.57 LBS



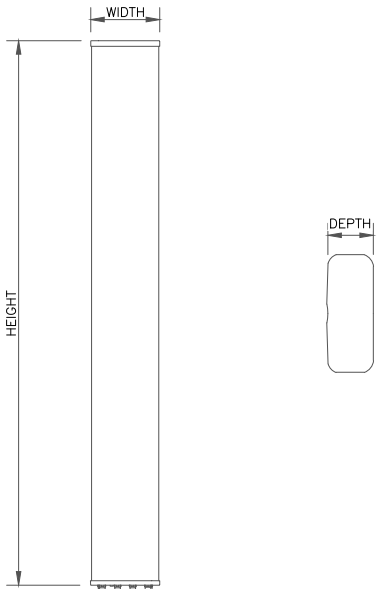
1 SAMSUNG – MT6407-77A
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
72.00"	11.90"	7.10"	65.50 LBS



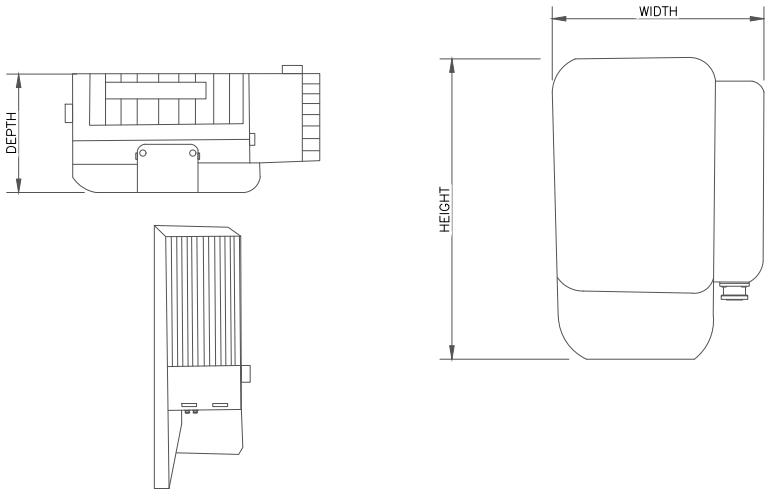
2 COMMSCOPE – NHHSS-65B-R2B
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
72.00"	11.90"	7.10"	43.70 LBS



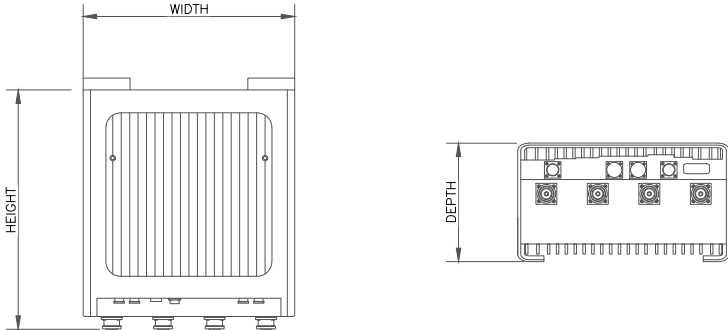
3 COMMSCOPE – NHH-65B-R2B
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
13.91"	08.55"	4.15"	18.64 LBS



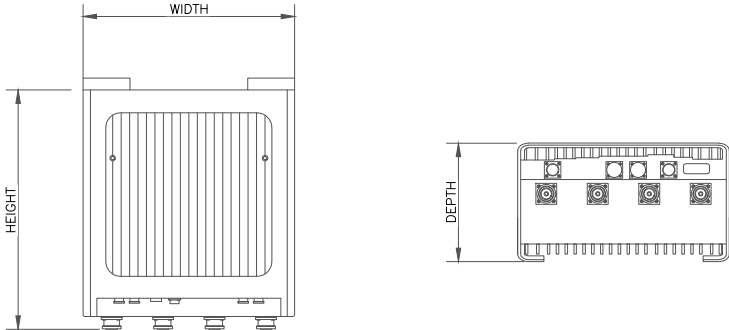
4 SAMSUNG – CBRS RT4401-48A
SCALE: NOT TO SCALE

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



5 SAMSUNG – RF4439D-25A
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
14.96"	14.96"	09.06"	72.50 LBS



6 SAMSUNG – RF4440D-13A
SCALE: NOT TO SCALE

180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

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

VERIZON SITE NUMBER:
467160

BU #: 806373
HRT 101 943232

4 OLIVER ROAD
ENFIELD, CT 06082

EXISTING 162'-0" MONOPOLE

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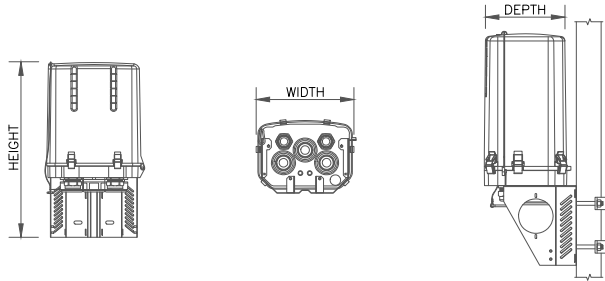
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C-5

REVISION:
2

HEIGHT	WIDTH	DEPTH	WEIGHT
25.66"	15.73"	10.25"	32.00 LBS

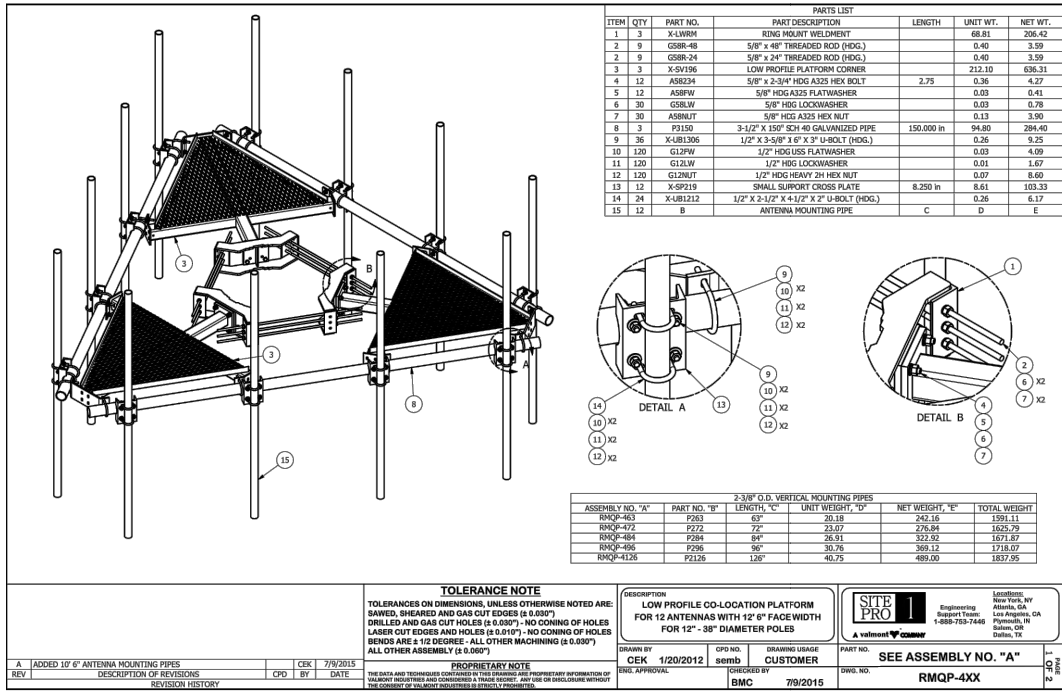


1 RAYCAP - RCDMC-6627-PF-48
SCALE: NOT TO SCALE

Fiber Naming Convention	
Technology	(Equipment-Sector-OPTI #)
DUPLIX FIBER RUN	
3rd Gen 5G CPRI 1	AEUA-A-1
3rd Gen 5G CPRI 2	AEUA-A-2
4th Gen 5G RF1	AEUB-A-1
4th Gen 5G RF2	AEUB-A-2
ASOD Backhaul EIF1	ASOD-A-1
SINGLE FIBER RUN	
CBRS CPRI 1	CBRS-A-1
CBRS CPRI 2	CBRS-A-2
LAA	LAA-A-1
High Band Dual Band CPRI 1	HB-A-1
High Band Dual Band CPRI 2	HB-A-2
Low Band Dual Band CPRI 1	LB-A-1
Low Band Dual Band CPRI 2 - 5G NR	LB-5G NR-A-2
FDMIMO AWS CPRI 1	FDM-AWS-A-1
FDMIMO AWS CPRI 2	FDM-AWS-A-2
FDMIMO PCS CPRI 1	FDM-PCS-A-1
FDMIMO PCS CPRI 2	FDM-PCS-A-2

2 FIBER NAMING CONVENTION
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE



4 RMQP-4XX
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

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1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

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3227 WELLINGTON COURT
RALEIGH, NC 27615

VERIZON SITE NUMBER:
467160

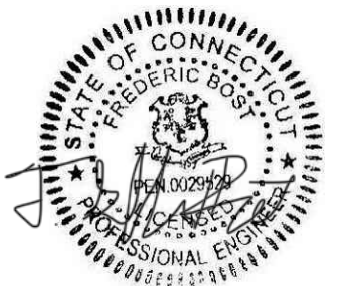
BU #: 806373
HRT 101 943232

4 OLIVER ROAD
ENFIELD, CT 06082

EXISTING 162'-0" MONOPOLE

ISSUED FOR:

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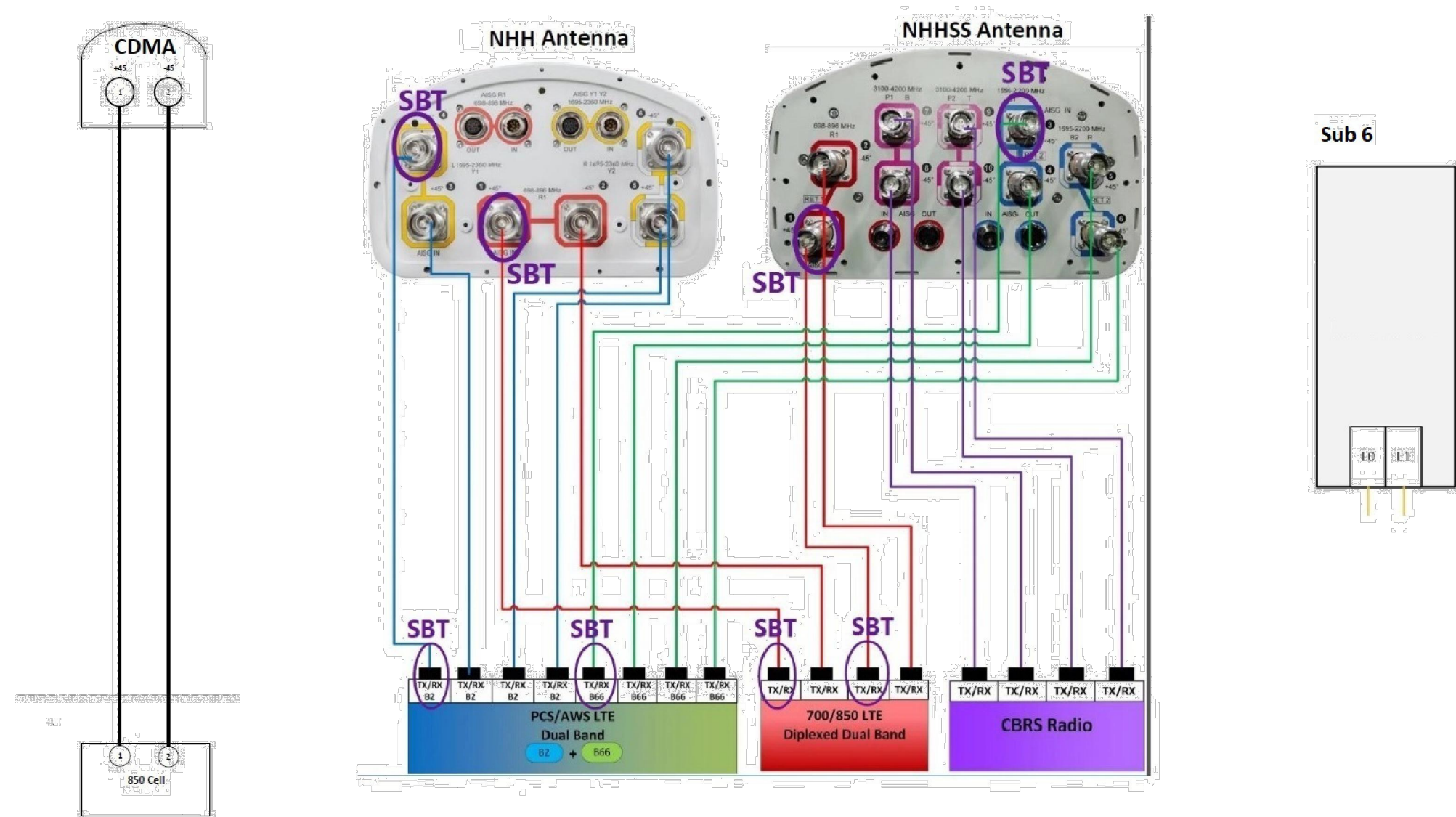
10/29/2021
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C-6

REVISION:

2



1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
467160

BU #: 806373
HRT 101 943232

4 OLIVER ROAD
ENFIELD, CT 06082

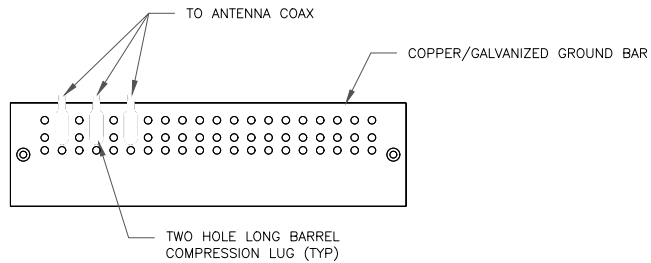
EXISTING 162'-0" MONOPOLE

ISSUED FOR:				
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1	10/15/2021	AM	CLIENT COMMENTS	AS
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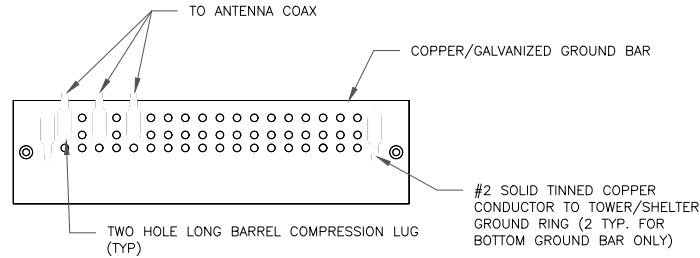
SHEET NUMBER: **C-7**
REVISION: **2**



NOTES:

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

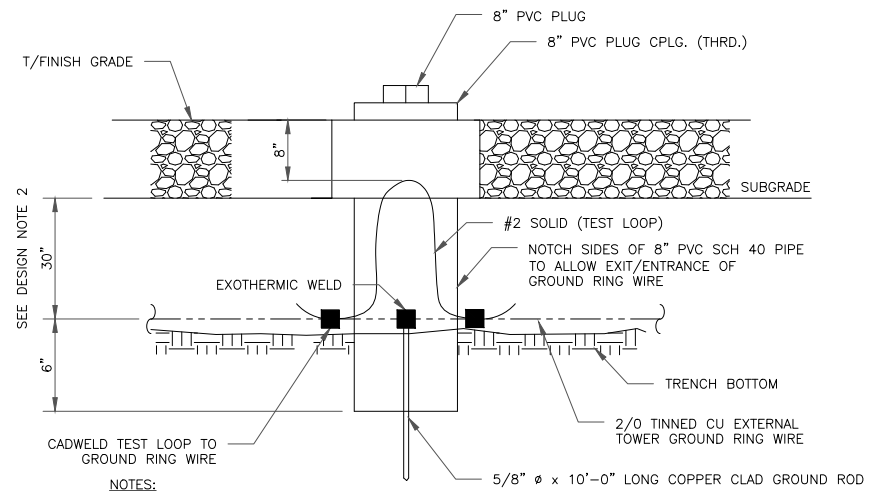
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

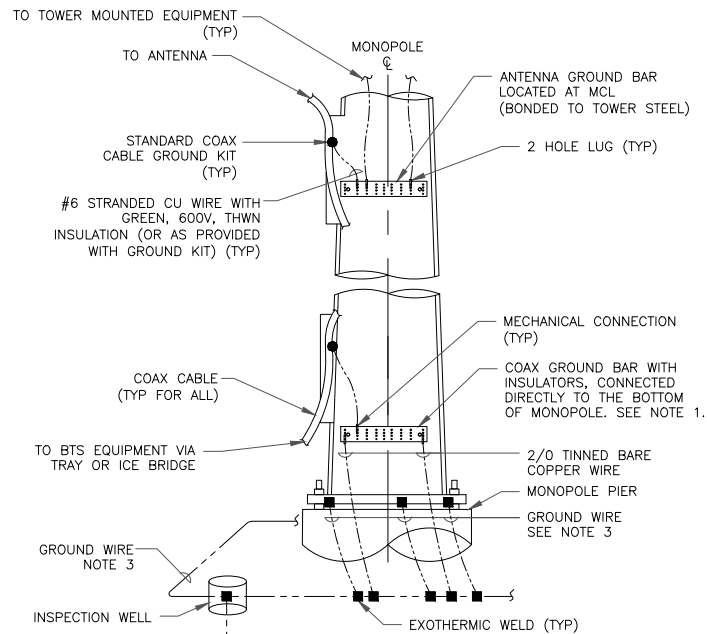
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

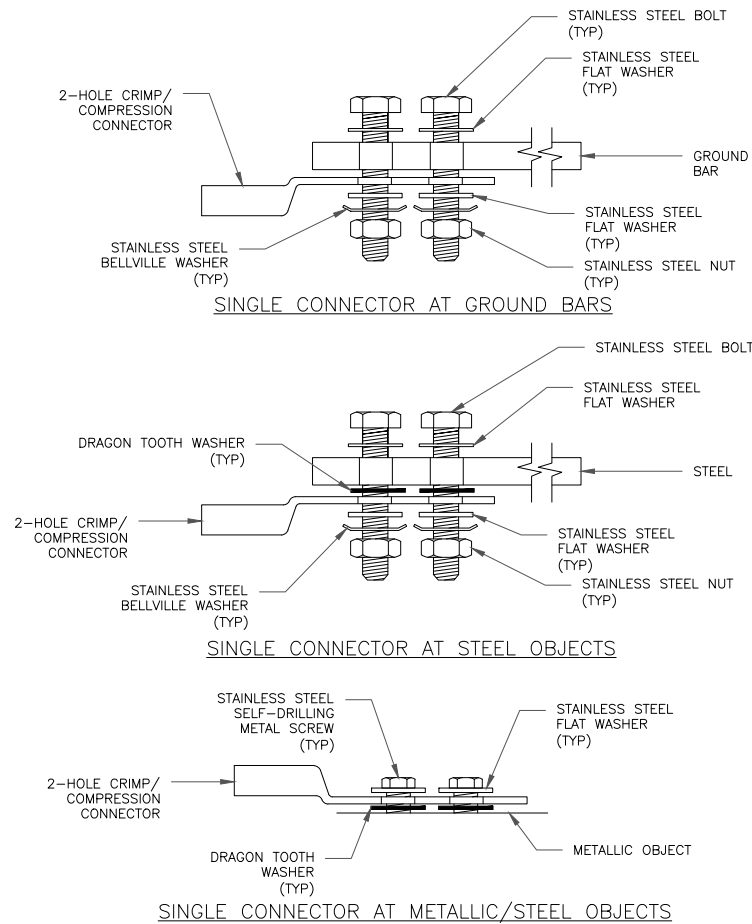
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



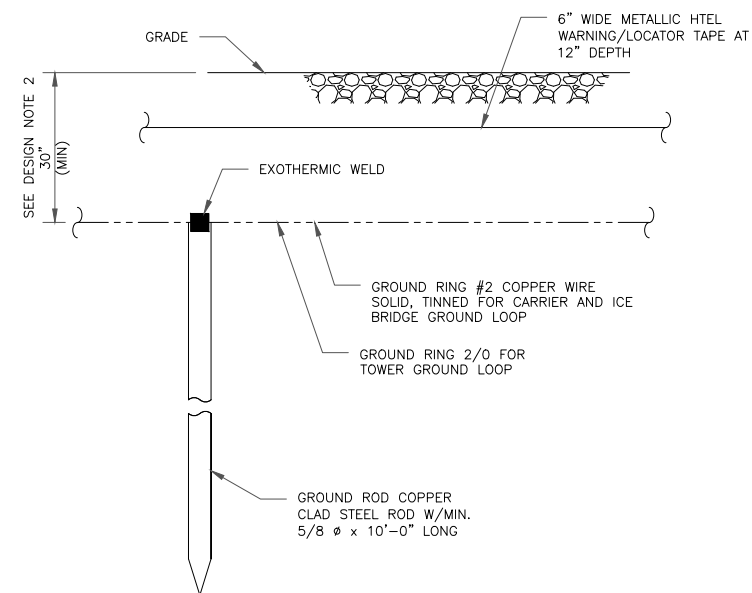
NOTES:

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

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE



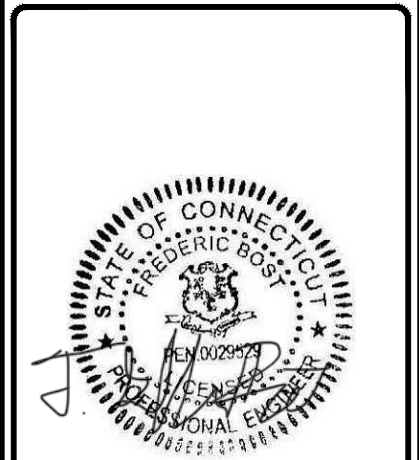
VERIZON SITE NUMBER:
467160

BU #: 806373
HRT 101 943232

4 OLIVER ROAD
ENFIELD, CT 06082

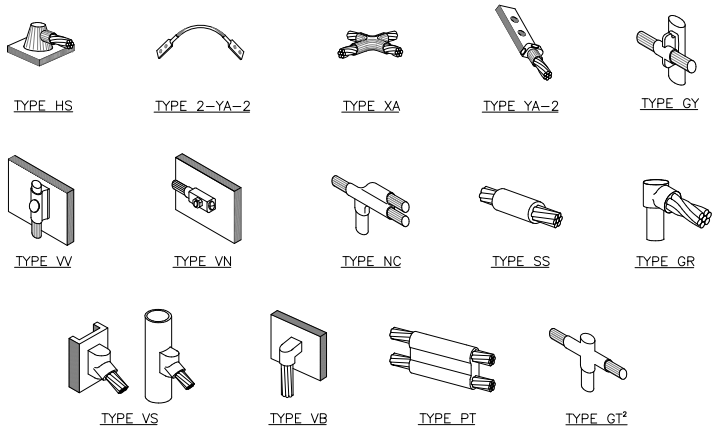
EXISTING 162'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
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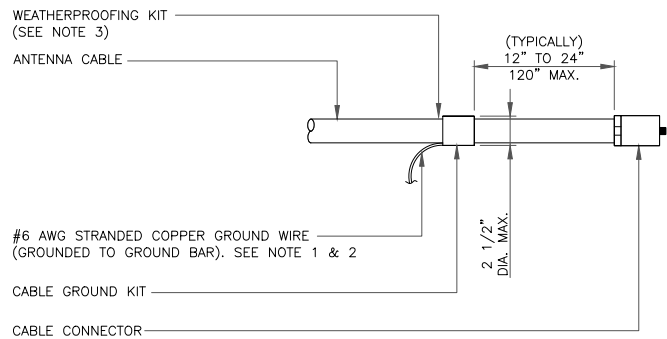
SHEET NUMBER: **G-1** REVISION: **2**



NOTE:

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

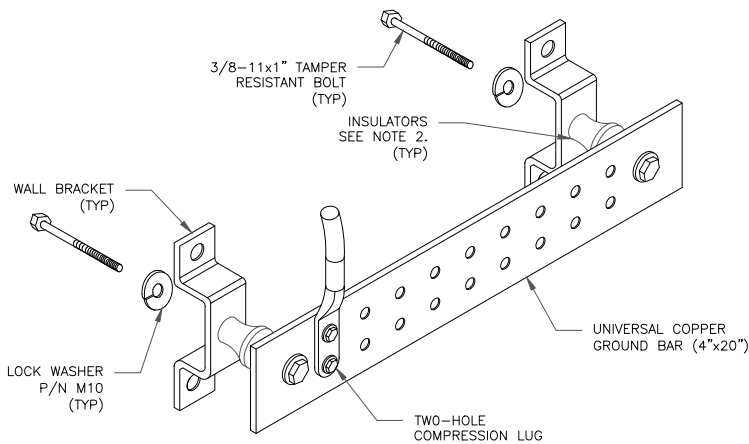
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



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.

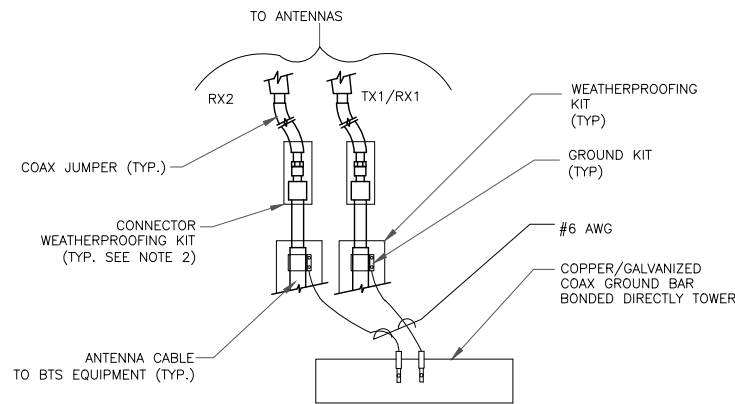
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



NOTES:

1. 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.

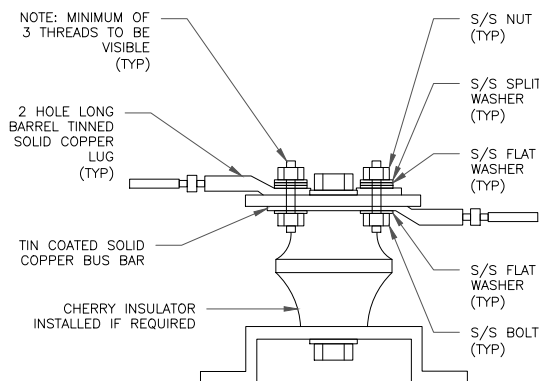
6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

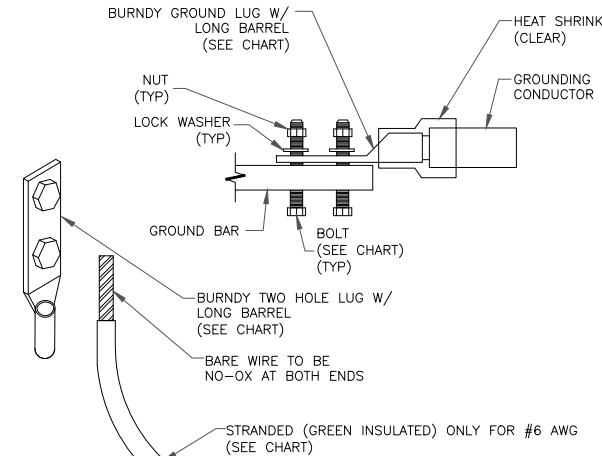
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE

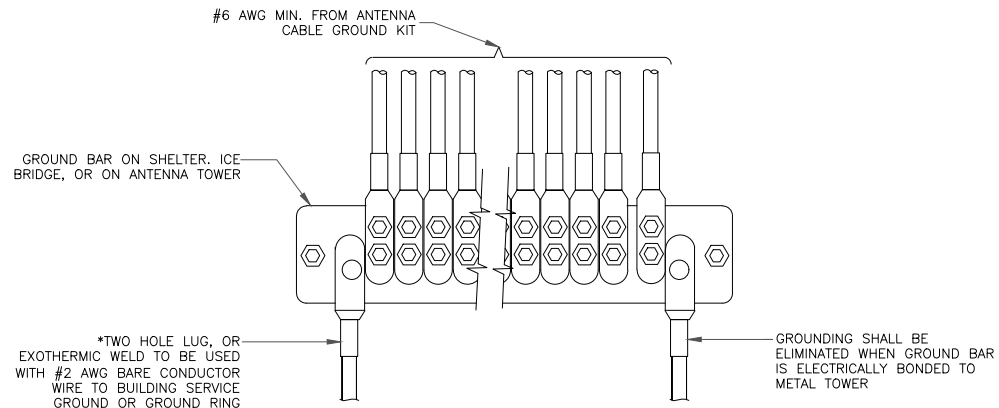
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



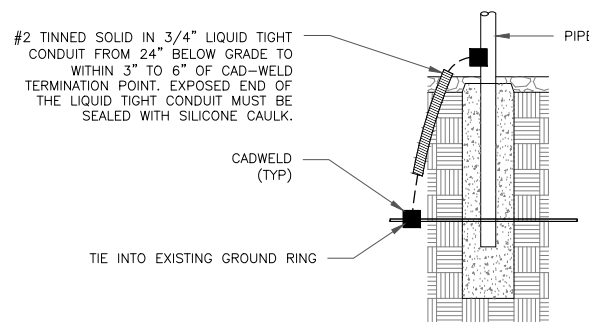
NOTES:

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



5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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SHEET NUMBER:

G-2

REVISION:

2

Exhibit D

Structural Analysis Report

Date: **September 1, 2021**



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

Subject: **Structural Analysis Report**

Carrier Designation: **Verizon Wireless Co-Locate**
Site Number: 467160
Site Name: Enfield CT

Crown Castle Designation: **BU Number:** 806373
Site Name: HRT 101 943232
JDE Job Number: 684894
Work Order Number: 2014677
Order Number: 584966 Rev. 0

Engineering Firm Designation: **B+T Group Project Number:** 89211.008.01

Site Data: **4 Oliver Road, Enfield, Hartford County, CT**
Latitude 41° 57' 36.2", Longitude -72° 35' 32.3"
160 Foot - Monopole

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

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

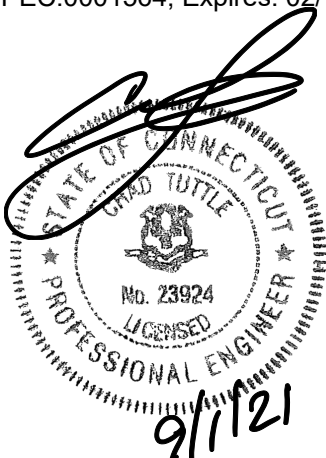
LC7: Proposed Equipment Configuration

Sufficient Capacity - 99.2%

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: Harrison Holmlund

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



Chad E. Tuttle, P.E.

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1) INTRODUCTION

This tower is a 160 ft Monopole designed by Valmont.
The tower has been modified multiple times to accommodate additional loading.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	2 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)
149.0	150.0	2	Antel	BXA-70080/4CF	2 6	1-5/8 7/8
		1	Antel	BXA-80063/4CF		
		3	Commscope	NHH-65B-R2B		
		3	Commscope	NHHSS-65B-R2B		
		2	Raycap	RRFDC-3315-PF-48		
		3	Samsung Telecom	CBRS RT4401-48A		
		3	Samsung Telecom	MT6407-77A		
		3	Samsung Telecom	RF4439D-25A		
		3	Samsung Telecom	RF4440D-13A		
	149.0	1		Site Pro 1 RMQP-4XX		

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)
161.0	161.0	3	CCI Antennas	HPA-65R-BUU-H8	12 4 2	1-5/8 3/4 3/8
		3	CCI Antennas	TPA-65R-LCUUUU-H8		
		3	Ericsson	RRUS 11		
		3	Ericsson	RRUS 11 B12		
		3	Ericsson	RRUS 32		
		3	Ericsson	RRUS 32 B2		
		3	Powerwave Tech	7770.00		
		2	Raycap	DC6-48-60-18-8F		
		1	--	Platform Mount [LP 303-1_HR-1]		
135.0	137.0	3	Ericsson	AIR6449 B41_T-MOBILE	3	1-5/8
		3	Ericsson	RADIO 4460 B2/B25 B66_TMO		
		3	Ericsson	Radio 4480_TMOV2		
		3	RFS Celwave	APXVAALL24_43-U-NA20_TMO		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
	135.0	1	Site Pro 1	HRK-14		
		1	Site Pro 1	PRK-SFS-L		
		1	--	Platform Mount [LP 601-1]		
127.0	127.0	3	Fujitsu	TA08025-B604	1	1-1/2
		3	Fujitsu	TA08025-B605		
		3	JMA Wireless	MX08FRO665-21		
		1	Raycap	RDIDC-9181-PF-48		
		1	--	Commscope MC-PK8-DSH		
116.0	117.0	3	Commscope	LNx-6515DS-VTM	6 3	1-5/8 1-3/8
		3	Ericsson	ERICSSON AIR 21 B2A B4P		
		3	Ericsson	ERICSSON AIR 21 B4A B2P		
		2	Ericsson	KRY 112 144/1		
		3	Ericsson	RRUS 11 B12		
	116.0	1	Ericsson	KRY 112 144/1		
		1	--	T-Arm Mount [TA 602-3]		
47.0	48.0	1	Lucent	KS24019-L112A	1	1/2
	47.0	1	--	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	822743	CCI Sites
Mount Analysis Report	9945479	CCI Sites
Tower Modification Drawing	3277409	CCI Sites
Post Modification Inspection	3747614	CCI Sites
Tower Modification Drawing	6488069	CCI Sites
Post Modification Inspection	7162974	CCI Sites
Foundation Drawing	821581	CCI Sites
Geotech Report	821582	CCI Sites
Crown CAD Package	Date: 08/24/2021	CCI Sites

3.1) Analysis Method

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

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

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	160 - 155	Pole	TP20x20x0.25	1	-2.844	--	20.3	Pass
L2	155 - 150.5	Pole	TP20x20x0.25	2	-3.094	--	36.8	Pass
L3	150.5 - 150	Pole	TP20.3x20.3x0.25	3	-3.125	--	37.7	Pass
L4	150 - 145	Pole	TP21.325x20.3x0.25	4	-5.948	--	30.4	Pass
L5	145 - 140	Pole	TP22.35x21.325x0.25	5	-6.340	--	40.6	Pass
L6	140 - 135	Pole	TP23.375x22.35x0.25	6	-7.231	--	50.3	Pass
L7	135 - 130	Pole	TP24.4x23.375x0.25	7	-10.367	--	64.1	Pass
L8	130 - 125	Pole	TP25.425x24.4x0.25	8	-13.697	--	76.9	Pass
L9	125 - 120	Pole	TP26.45x25.425x0.25	9	-14.408	--	89.7	Pass
L10	120 - 119.58	Pole	TP26.535x26.45x0.25	10	-14.485	--	90.8	Pass
L11	119.58 - 119.33	Pole + Reinf.	TP26.586x26.535x0.375	11	-14.534	--	71.8	Pass
L12	119.33 - 114.33	Pole + Reinf.	TP27.611x26.586x0.3688	12	-17.367	--	81.5	Pass
L13	114.33 - 111.83	Pole + Reinf.	TP28.124x27.611x0.3688	13	-17.834	--	86.2	Pass
L14	111.83 - 111.58	Pole + Reinf.	TP28.175x28.124x0.4125	14	-17.909	--	78.7	Pass
L15	111.58 - 106.58	Pole + Reinf.	TP29.2x28.175x0.4	15	-18.919	--	86.9	Pass
L16	106.58 - 102	Pole + Reinf.	TP31.13x29.2x0.4	16	-19.892	--	93.8	Pass
L17	102 - 97	Pole + Reinf.	TP30.665x29.639x0.525	17	-21.846	--	79.0	Pass
L18	97 - 92	Pole + Reinf.	TP31.69x30.665x0.5125	18	-23.158	--	83.8	Pass
L19	92 - 87	Pole + Reinf.	TP32.715x31.69x0.5125	19	-24.531	--	88.1	Pass
L20	87 - 82	Pole + Reinf.	TP33.74x32.715x0.5125	20	-25.943	--	92.1	Pass
L21	82 - 79.33	Pole + Reinf.	TP34.287x33.74x0.5	21	-26.707	--	94.1	Pass
L22	79.33 - 79.08	Pole + Reinf.	TP34.338x34.287x0.775	22	-26.832	--	75.6	Pass
L23	79.08 - 75.25	Pole + Reinf.	TP35.124x34.338x0.75	23	-28.257	--	78.3	Pass
L24	75.25 - 75	Pole + Reinf.	TP35.176x35.124x0.75	24	-28.371	--	78.4	Pass
L25	75 - 70	Pole + Reinf.	TP36.201x35.176x0.75	25	-30.270	--	81.7	Pass
L26	70 - 65	Pole + Reinf.	TP37.226x36.201x0.725	26	-32.237	--	84.8	Pass
L27	65 - 63.25	Pole + Reinf.	TP37.585x37.226x0.725	27	-32.921	--	85.9	Pass
L28	63.25 - 63	Pole + Reinf.	TP37.636x37.585x0.8	28	-33.057	--	77.3	Pass
L29	63 - 58	Pole + Reinf.	TP38.662x37.636x0.7875	29	-35.192	--	76.9	Pass
L30	58 - 55	Pole + Reinf.	TP40.49x38.662x0.775	30	-36.501	--	78.3	Pass
L31	55 - 48.08	Pole + Reinf.	TP39.882x38.527x0.8375	31	-41.873	--	77.8	Pass
L32	48.08 - 43.08	Pole + Reinf.	TP40.861x39.882x0.825	32	-44.340	--	79.9	Pass
L33	43.08 - 38.42	Pole + Reinf.	TP41.775x40.861x0.8125	33	-46.599	--	81.7	Pass
L34	38.42 - 38.17	Pole + Reinf.	TP41.824x41.775x0.7125	34	-46.728	--	93.7	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L35	38.17 - 37.58	Pole + Reinf.	TP41.938x41.824x0.7125	35	-46.979	--	93.9	Pass
L36	37.58 - 37.33	Pole + Reinf.	TP41.987x41.938x0.8625	36	-47.115	--	78.0	Pass
L37	37.33 - 35.75	Pole + Reinf.	TP42.297x41.987x0.8625	37	-47.899	--	81.8	Pass
L38	35.75 - 35.5	Pole + Reinf.	TP42.346x42.297x0.5875	38	-48.022	--	88.6	Pass
L39	35.5 - 30.5	Pole + Reinf.	TP43.326x42.346x0.575	39	-50.016	--	90.1	Pass
L40	30.5 - 25.5	Pole + Reinf.	TP44.305x43.326x0.575	40	-52.066	--	91.4	Pass
L41	25.5 - 20.5	Pole + Reinf.	TP45.285x44.305x0.575	41	-54.149	--	92.7	Pass
L42	20.5 - 15.5	Pole + Reinf.	TP46.264x45.285x0.575	42	-56.264	--	93.8	Pass
L43	15.5 - 10.5	Pole + Reinf.	TP47.243x46.264x0.5625	43	-58.416	--	94.8	Pass
L44	10.5 - 5.5	Pole + Reinf.	TP48.223x47.243x0.5625	44	-60.600	--	95.7	Pass
L45	5.5 - 0.5	Pole + Reinf.	TP49.202x48.223x0.5625	45	-62.814	--	96.5	Pass
L46	0.5 - 0	Pole + Reinf.	TP49.3x49.202x0.5625	46	-63.051	--	96.7	Pass
							Summary	
						Pole (L10)	96.7	Pass
						Reinforcement	96.6	Pass
						Rating =	96.7	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Extension Connection	150.0	33.1	Pass
1,2	Anchor Rod Brackets	Base	82.5	Pass
1,2	Anchor Rods	Base	99.2	Pass
1,2	Base Plate	Base	65.6	Pass
1,2	Base Foundation (Structure)	Base	68.5	Pass
1,2	Base Foundation (Soil Interaction)	Base	73.3	Pass

Structure Rating (max from all components) =	99.2%
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Notes:

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

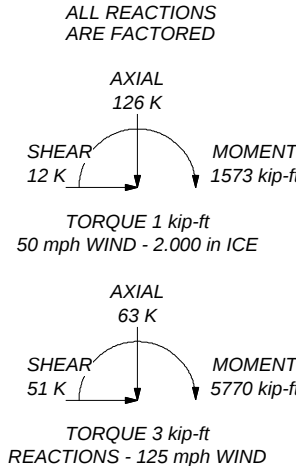
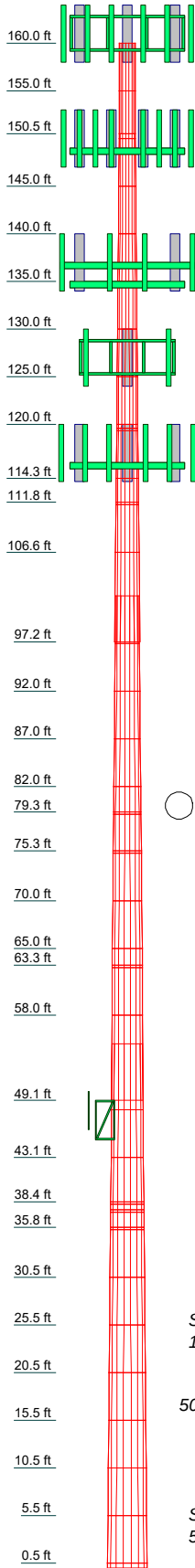
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46		
Length (ft)	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000		
Number of Sides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Thickness (in)	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250			
Socket Length (ft)	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833	4.833		
Top Dia (in)	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	
Bot Dia (in)	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320	21.320
Grade	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	A53-B-35	
Weight (K)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3



MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A53-B-35	35 ksi	63 ksi	A572-65	65 ksi	80 ksi

TOWER DESIGN NOTES

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 2.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 96.7%

B+T Group
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 Tulsa, OK 74119
 Phone: (918) 587-4630
 FAX: (918) 295-0265

Job:	89211.008.01 - HRT 101 943232, CT (BU# 806373)		
Project:			
Client:	Crown Castle	Drawn by:	JD Prabhu
Code:	TIA-222-H	Date:	08/29/21
Path:			Dwg No. E-1

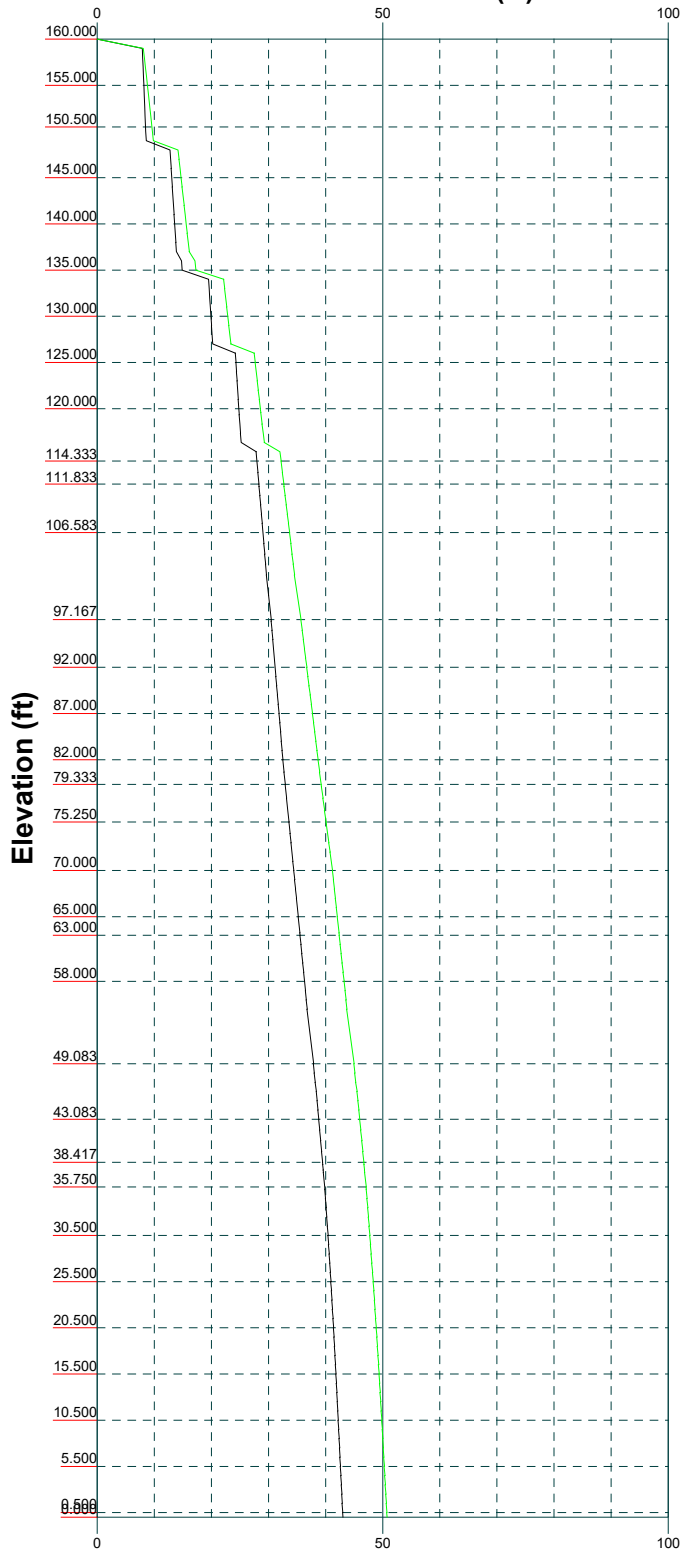
Vx

Vz

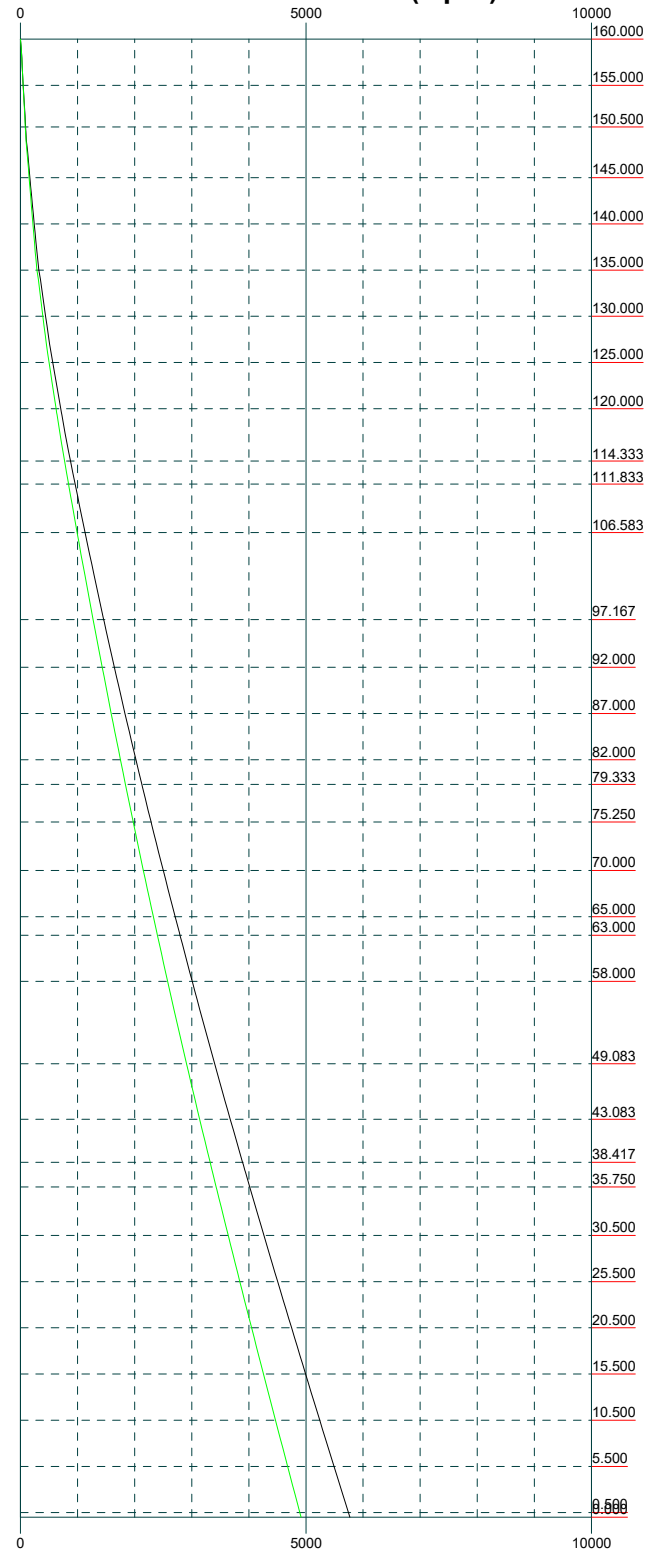
Mx

Mz

Global Mast Shear (K)

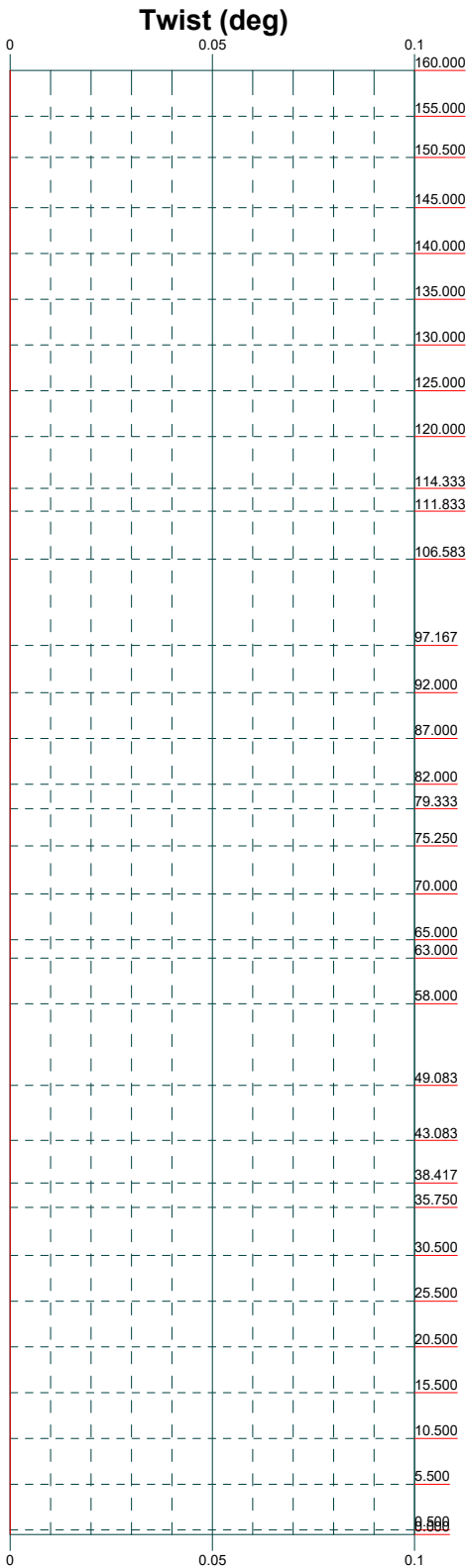
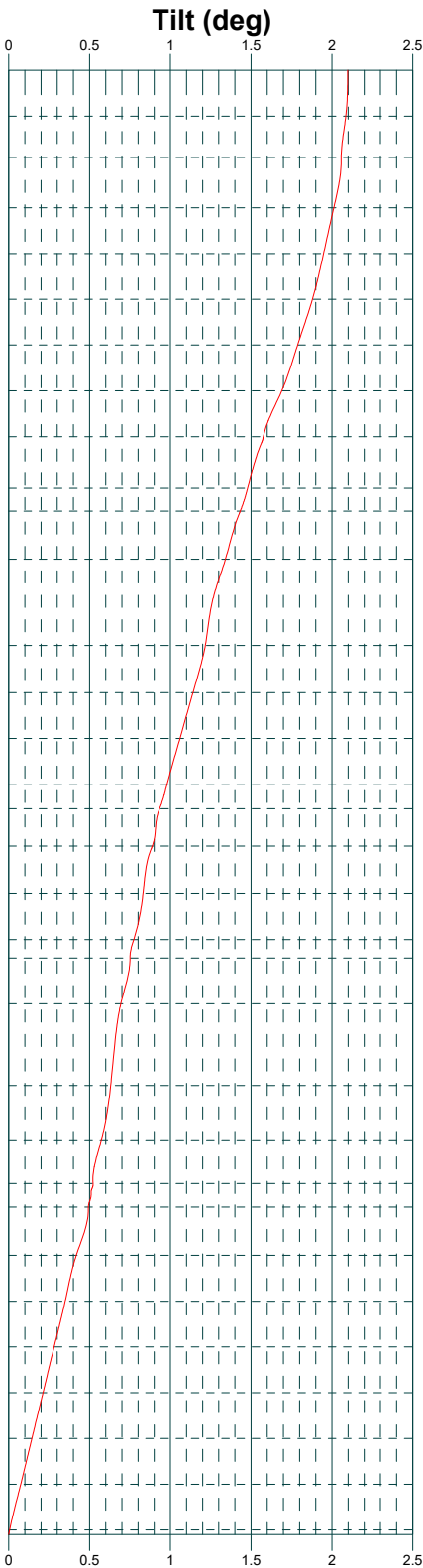
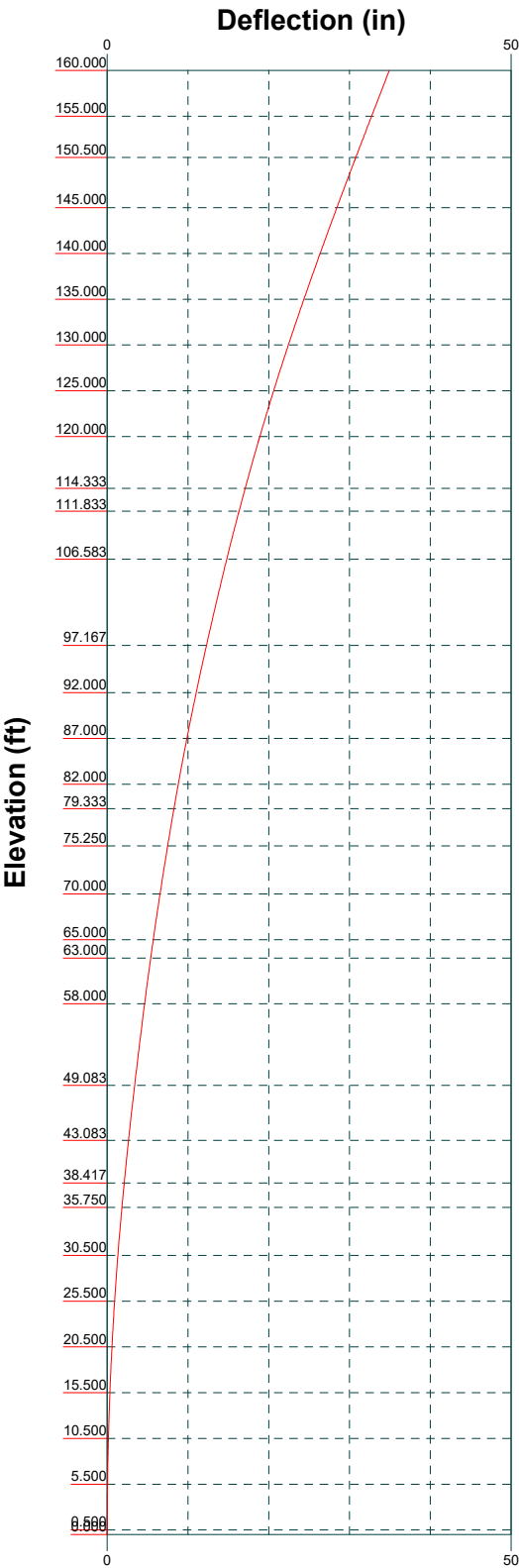


Global Mast Moment (kip-ft)



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 Tulsa, OK 74119
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 FAX: (918) 295-0265

Job: 89211.008.01 - HRT 101 943232, CT (BU# 806373)		
Project:		
Client: Crown Castle	Drawn by: JD Prabhu	App'd:
Code: TIA-222-H	Date: 08/29/21	Scale: NTS
Path:	Dwg No. E-4	

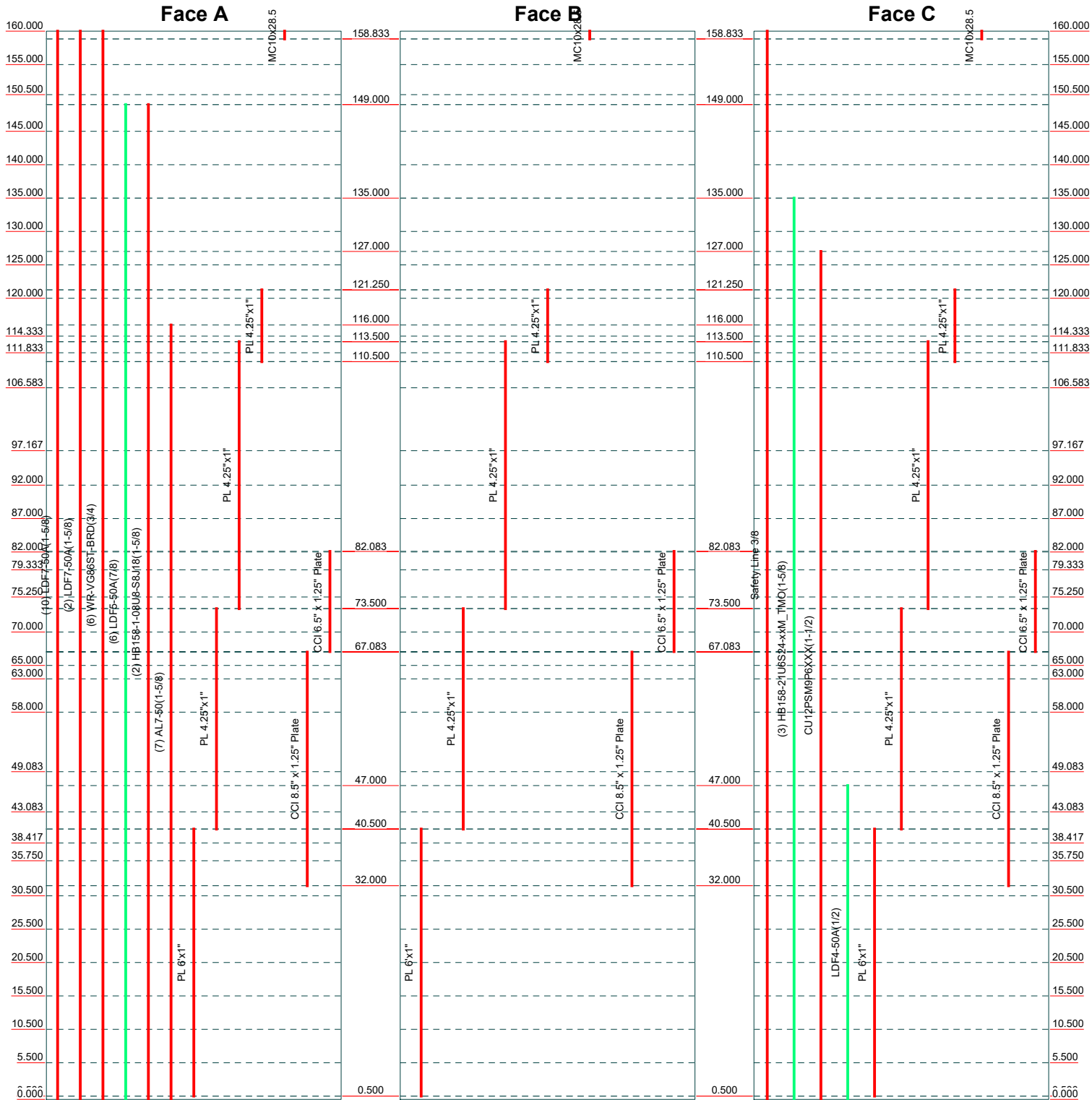


Feed Line Distribution Chart

0' - 160'

Round Flat App In Face App Out Face Truss Leg

Elevation (ft)



tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job 89211.008.01 - HRT 101 943232, CT (BU# 806373)	Page 1 of 55
	Project	Date 00:22:13 08/29/21
	Client Crown Castle	Designed by JD Prabhu

Tower Input Data

The tower is a monopole.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

Tower is located in Hartford County, Connecticut.

Tower base elevation above sea level: 109.000 ft.

Basic wind speed of 125 mph.

Risk Category II.

Exposure Category C.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: 1.

Crest Height: 0.000 ft.

Nominal ice thickness of 2.000 in.

Ice thickness is considered to increase with height.

Ice density of 56.000 pcf.

A wind speed of 50 mph is used in combination with ice.

Temperature drop of 50.000 °F.

Deflections calculated using a wind speed of 60 mph.

TIA-222-H Annex S.

TOWER RATING: 96.7%.

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

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Tapered Pole Section Geometry

Section	Elevation	Section Length	Splice Length	Number of Sides	Top Diameter	Bottom Diameter	Wall Thickness	Bend Radius	Pole Grade
	ft	ft	ft		in	in	in	in	
L1	160.000-155.000	5.000	0.000	Round	20.000	20.000	0.250		A53-B-35 (35 ksi)
L2	155.000-150.500	4.500	0.000	Round	20.000	20.000	0.250		A53-B-35 (35 ksi)
L3	150.500-150.000	0.500	0.000	Round	20.300	20.300	0.250		A53-B-35 (35 ksi)
L4	150.000-145.000	5.000	0.000	12	20.300	21.325	0.250	1.000	A572-65 (65 ksi)
L5	145.000-140.000	5.000	0.000	12	21.325	22.350	0.250	1.000	A572-65 (65 ksi)
L6	140.000-135.000	5.000	0.000	12	22.350	23.375	0.250	1.000	A572-65 (65 ksi)
L7	135.000-130.000	5.000	0.000	12	23.375	24.400	0.250	1.000	A572-65 (65 ksi)
L8	130.000-125.000	5.000	0.000	12	24.400	25.425	0.250	1.000	A572-65 (65 ksi)
L9	125.000-120.000	5.000	0.000	12	25.425	26.450	0.250	1.000	A572-65 (65 ksi)
L10	120.000-119.583	0.417	0.000	12	26.450	26.535	0.250	1.000	A572-65 (65 ksi)
L11	119.583-119.333	0.250	0.000	12	26.535	26.586	0.375	1.500	A572-65 (65 ksi)
L12	119.333-114.333	5.000	0.000	12	26.586	27.611	0.369	1.475	A572-65 (65 ksi)
L13	114.333-111.833	2.500	0.000	12	27.611	28.124	0.369	1.475	A572-65 (65 ksi)
L14	111.833-111.583	0.250	0.000	12	28.124	28.175	0.412	1.650	A572-65 (65 ksi)
L15	111.583-106.583	5.000	0.000	12	28.175	29.200	0.400	1.600	A572-65 (65 ksi)
L16	106.583-97.167	9.416	4.833	12	29.200	31.130	0.400	1.600	A572-65 (65 ksi)
L17	97.167-97.000	5.000	0.000	12	29.639	30.665	0.525	2.100	A572-65 (65 ksi)
L18	97.000-92.000	5.000	0.000	12	30.665	31.690	0.512	2.050	A572-65 (65 ksi)
L19	92.000-87.000	5.000	0.000	12	31.690	32.715	0.512	2.050	A572-65 (65 ksi)
L20	87.000-82.000	5.000	0.000	12	32.715	33.740	0.512	2.050	A572-65 (65 ksi)
L21	82.000-79.333	2.667	0.000	12	33.740	34.287	0.500	2.000	A572-65 (65 ksi)
L22	79.333-79.083	0.250	0.000	12	34.287	34.338	0.775	3.100	A572-65 (65 ksi)
L23	79.083-75.250	3.833	0.000	12	34.338	35.124	0.750	3.000	A572-65 (65 ksi)
L24	75.250-75.000	0.250	0.000	12	35.124	35.176	0.750	3.000	A572-65 (65 ksi)
L25	75.000-70.000	5.000	0.000	12	35.176	36.201	0.750	3.000	A572-65 (65 ksi)
L26	70.000-65.000	5.000	0.000	12	36.201	37.226	0.725	2.900	A572-65 (65 ksi)
L27	65.000-63.250	1.750	0.000	12	37.226	37.585	0.725	2.900	A572-65 (65 ksi)
L28	63.250-63.000	0.250	0.000	12	37.585	37.636	0.800	3.200	A572-65 (65 ksi)

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Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L29	63.000-58.000	5.000	0.000	12	37.636	38.662	0.787	3.150	A572-65 (65 ksi)
L30	58.000-49.083	8.917	5.917	12	38.662	40.490	0.775	3.100	A572-65 (65 ksi)
L31	49.083-48.083	6.917	0.000	12	38.527	39.882	0.838	3.350	A572-65 (65 ksi)
L32	48.083-43.083	5.000	0.000	12	39.882	40.861	0.825	3.300	A572-65 (65 ksi)
L33	43.083-38.417	4.666	0.000	12	40.861	41.775	0.813	3.250	A572-65 (65 ksi)
L34	38.417-38.167	0.250	0.000	12	41.775	41.824	0.713	2.850	A572-65 (65 ksi)
L35	38.167-37.583	0.584	0.000	12	41.824	41.938	0.713	2.850	A572-65 (65 ksi)
L36	37.583-37.333	0.250	0.000	12	41.938	41.987	0.863	3.450	A572-65 (65 ksi)
L37	37.333-35.750	1.583	0.000	12	41.987	42.297	0.863	3.450	A572-65 (65 ksi)
L38	35.750-35.500	0.250	0.000	12	42.297	42.346	0.588	2.350	A572-65 (65 ksi)
L39	35.500-30.500	5.000	0.000	12	42.346	43.326	0.575	2.300	A572-65 (65 ksi)
L40	30.500-25.500	5.000	0.000	12	43.326	44.305	0.575	2.300	A572-65 (65 ksi)
L41	25.500-20.500	5.000	0.000	12	44.305	45.285	0.575	2.300	A572-65 (65 ksi)
L42	20.500-15.500	5.000	0.000	12	45.285	46.264	0.575	2.300	A572-65 (65 ksi)
L43	15.500-10.500	5.000	0.000	12	46.264	47.243	0.563	2.250	A572-65 (65 ksi)
L44	10.500-5.500	5.000	0.000	12	47.243	48.223	0.563	2.250	A572-65 (65 ksi)
L45	5.500-0.500	5.000	0.000	12	48.223	49.202	0.563	2.250	A572-65 (65 ksi)
L46	0.500-0.000	0.500		12	49.202	49.300	0.563	2.250	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	20.000	15.512	756.434	6.983	10.000	75.643	1512.867	7.751	0.000	0
	20.000	15.512	756.434	6.983	10.000	75.643	1512.867	7.751	0.000	0
L2	20.000	15.512	756.434	6.983	10.000	75.643	1512.867	7.751	0.000	0
	20.000	15.512	756.434	6.983	10.000	75.643	1512.867	7.751	0.000	0
L3	20.300	15.747	791.426	7.089	10.150	77.973	1582.853	7.869	0.000	0
	20.300	15.747	791.426	7.089	10.150	77.973	1582.853	7.869	0.000	0
L4	20.928	16.140	828.180	7.178	10.515	78.759	1678.118	7.944	4.770	19.082
	21.989	16.965	961.790	7.545	11.046	87.069	1948.847	8.350	5.045	20.18
L5	21.989	16.965	961.790	7.545	11.046	87.069	1948.847	8.350	5.045	20.18
	23.050	17.790	1109.047	7.912	11.577	95.796	2247.231	8.756	5.320	21.279
L6	23.050	17.790	1109.047	7.912	11.577	95.796	2247.231	8.756	5.320	21.279
	24.111	18.615	1270.617	8.279	12.108	104.939	2574.615	9.162	5.594	22.378
L7	24.111	18.615	1270.617	8.279	12.108	104.939	2574.615	9.162	5.594	22.378
	25.172	19.441	1447.164	8.646	12.639	114.499	2932.346	9.568	5.869	23.476
L8	25.172	19.441	1447.164	8.646	12.639	114.499	2932.346	9.568	5.869	23.476

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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
L9	26.233	20.266	1639.349	9.013	13.170	124.476	3321.766	9.974	6.144	24.575
	26.233	20.266	1639.349	9.013	13.170	124.476	3321.766	9.974	6.144	24.575
	27.294	21.091	1847.839	9.379	13.701	134.870	3744.223	10.380	6.418	25.674
L10	27.294	21.091	1847.839	9.379	13.701	134.870	3744.223	10.380	6.418	25.674
	27.383	21.159	1865.984	9.410	13.745	135.756	3780.990	10.414	6.441	25.766
L11	27.339	31.588	2759.234	9.365	13.745	200.742	5590.956	15.547	6.106	16.284
	27.392	31.650	2775.481	9.384	13.772	201.535	5623.878	15.577	6.120	16.32
L12	27.394	31.130	2731.176	9.386	13.772	198.318	5534.103	15.321	6.137	16.642
	28.455	32.347	3064.173	9.753	14.303	214.239	6208.844	15.920	6.412	17.387
L13	28.455	32.347	3064.173	9.753	14.303	214.239	6208.844	15.920	6.412	17.387
	28.986	32.956	3240.368	9.936	14.568	222.430	6565.865	16.220	6.549	17.76
L14	28.970	36.807	3607.704	9.921	14.568	247.645	7310.187	18.115	6.432	15.592
	29.023	36.875	3627.757	9.939	14.595	248.568	7350.818	18.149	6.445	15.625
L15	29.028	35.774	3522.578	9.943	14.595	241.362	7137.699	17.607	6.479	16.197
	30.089	37.094	3927.107	10.310	15.126	259.634	7957.384	18.257	6.754	16.884
L16	30.089	37.094	3927.107	10.310	15.126	259.634	7957.384	18.257	6.754	16.884
	32.087	39.580	4770.781	11.001	16.125	295.856	9666.896	19.480	7.271	18.177
L17	31.526	49.218	5325.010	10.423	15.353	346.835	10789.913	24.223	6.536	12.45
	31.561	50.951	5907.611	10.790	15.884	371.916	11970.422	25.076	6.811	12.974
L18	31.565	49.758	5774.132	10.794	15.884	363.513	11699.957	24.490	6.845	13.355
	32.627	51.450	6383.398	11.161	16.415	388.868	12934.495	25.322	7.119	13.891
L19	32.627	51.450	6383.398	11.161	16.415	388.868	12934.495	25.322	7.119	13.891
	33.688	53.142	7034.082	11.529	16.946	415.078	14252.957	26.155	7.394	14.428
L20	33.688	53.142	7034.082	11.529	16.946	415.078	14252.957	26.155	7.394	14.428
	34.750	54.834	7727.546	11.896	17.477	442.143	15658.103	26.988	7.669	14.964
L21	34.754	53.517	7547.581	11.900	17.477	431.846	15293.445	26.339	7.702	15.405
	35.320	54.397	7926.263	12.096	17.761	446.279	16060.757	26.773	7.849	15.698
L22	35.223	83.630	11988.156	11.997	17.761	674.980	24291.254	41.160	7.112	9.177
	35.276	83.758	12043.254	12.016	17.787	677.069	24402.897	41.223	7.126	9.194
L23	35.285	81.116	11680.825	12.025	17.787	656.694	23668.517	39.923	7.193	9.59
	36.099	83.014	12520.146	12.306	18.194	688.130	25369.211	40.857	7.403	9.871
L24	36.099	83.014	12520.146	12.306	18.194	688.130	25369.211	40.857	7.403	9.871
	36.152	83.138	12576.244	12.324	18.221	690.206	25482.880	40.918	7.417	9.889
L25	36.152	83.138	12576.244	12.324	18.221	690.206	25482.880	40.918	7.417	9.889
	37.213	85.614	13733.666	12.691	18.752	732.381	27828.131	42.137	7.692	10.256
L26	37.222	82.819	13303.984	12.700	18.752	709.467	26957.478	40.761	7.759	10.702
	38.284	85.212	14491.097	13.067	19.283	751.489	29362.890	41.939	8.034	11.081
L27	38.284	85.212	14491.097	13.067	19.283	751.489	29362.890	41.939	8.034	11.081
	38.655	86.050	14922.693	13.196	19.469	766.483	30237.423	42.351	8.130	11.214
L28	38.629	94.758	16366.111	13.169	19.469	840.622	33162.178	46.637	7.929	9.911
	38.682	94.890	16434.629	13.187	19.496	842.991	33301.013	46.702	7.943	9.928
L29	38.686	93.439	16194.312	13.192	19.496	830.665	32814.067	45.988	7.976	10.128
	39.748	96.039	17584.010	13.559	20.027	878.029	35629.971	47.268	8.251	10.477
L30	39.752	94.546	17322.038	13.563	20.027	864.948	35099.145	46.533	8.284	10.689
	41.645	99.109	19952.955	14.218	20.974	951.327	40430.097	48.778	8.774	11.322
L31	40.790	101.638	18427.983	13.493	19.957	923.392	37340.090	50.023	8.081	9.649
	40.993	105.292	20487.685	13.978	20.659	991.723	41513.604	51.822	8.444	10.082
L32	40.997	103.754	20201.288	13.982	20.659	977.860	40933.287	51.064	8.477	10.275
	42.011	106.356	21759.428	14.333	21.166	1028.037	44090.501	52.345	8.740	10.594
L33	42.016	104.777	21449.818	14.337	21.166	1013.410	43463.147	51.568	8.773	10.798
	42.962	107.168	22952.139	14.665	21.639	1060.663	46507.256	52.745	9.018	11.099
L34	42.997	94.208	20275.028	14.700	21.639	936.948	41082.704	46.366	9.286	13.033
	43.048	94.320	20347.652	14.718	21.665	939.204	41229.860	46.421	9.299	13.052
L35	43.048	94.320	20347.652	14.718	21.665	939.204	41229.860	46.421	9.299	13.052
	43.166	94.582	20517.978	14.759	21.724	944.482	41574.985	46.551	9.330	13.095
L36	43.113	114.078	24567.423	14.705	21.724	1130.886	49780.260	56.146	8.928	10.351
	43.164	114.214	24655.394	14.723	21.749	1133.612	49958.512	56.213	8.941	10.366
L37	43.164	114.214	24655.394	14.723	21.749	1133.612	49958.512	56.213	8.941	10.366
	43.485	115.075	25217.303	14.834	21.910	1150.948	51097.093	56.636	9.024	10.463
L38	43.582	78.905	17521.286	14.932	21.910	799.692	35502.875	38.834	9.761	16.615
	43.633	78.997	17583.071	14.950	21.935	801.584	35628.069	38.880	9.774	16.637
L39	43.637	77.340	17224.422	14.954	21.935	785.234	34901.348	38.064	9.808	17.057

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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
L40	44.651	79.153	18464.605	15.305	22.443	822.744	37414.297	38.957	10.070	17.514
	44.651	79.153	18464.605	15.305	22.443	822.744	37414.297	38.957	10.070	17.514
	45.665	80.966	19762.935	15.655	22.950	861.128	40045.063	39.849	10.333	17.97
L41	45.665	80.966	19762.935	15.655	22.950	861.128	40045.063	39.849	10.333	17.97
	46.679	82.780	21120.741	16.006	23.457	900.388	42796.348	40.742	10.595	18.427
L42	46.679	82.780	21120.741	16.006	23.457	900.388	42796.348	40.742	10.595	18.427
	47.693	84.593	22539.358	16.357	23.965	940.523	45670.849	41.634	10.858	18.883
L43	47.697	82.777	22067.474	16.361	23.965	920.833	44714.685	40.740	10.891	19.362
	48.711	84.551	23516.826	16.712	24.472	960.968	47651.465	41.613	11.154	19.829
L44	48.711	84.551	23516.826	16.712	24.472	960.968	47651.465	41.613	11.154	19.829
	49.725	86.324	25028.288	17.062	24.979	1001.959	50714.097	42.486	11.416	20.295
L45	49.725	86.324	25028.288	17.062	24.979	1001.959	50714.097	42.486	11.416	20.295
	50.739	88.098	26603.164	17.413	25.487	1043.807	53905.222	43.359	11.679	20.762
L46	50.739	88.098	26603.164	17.413	25.487	1043.807	53905.222	43.359	11.679	20.762
	50.841	88.276	26764.189	17.448	25.537	1048.039	54231.504	43.447	11.705	20.809

Tower Elevation	Gusset Area (per face)	Gusset Thickness	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
ft	ft ²	in							
L1 160.000-155.000				1	1	1			
L2 155.000-150.500				1	1	1			
L3 150.500-150.000				1	1	1			
L4 150.000-145.000				1	1	1			
L5 145.000-140.000				1	1	1			
L6 140.000-135.000				1	1	1			
L7 135.000-130.000				1	1	1			
L8 130.000-125.000				1	1	1			
L9 125.000-120.000				1	1	1			
L10 120.000-119.583				1	1	1			
L11 119.583-119.333				1	1	0.972411			
L12 119.333-114.333				1	1	0.976967			
L13 114.333-111.833				1	1	0.971447			
L14				1	1	0.955862			

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	Crown Castle	JD Prabhu

Tower Elevation	Gusset Area (per face)	Gusset Thickness	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
ft	ft ²	in							
111.833-111.583									
L15				1	1	0.972467			
111.583-106.583									
L16				1	1	0.961491			
106.583-97.167									
L17				1	1	0.96844			
97.167-97.000									
L18				1	1	0.983101			
97.000-92.000									
L19				1	1	0.975097			
92.000-87.000									
L20				1	1	0.967588			
87.000-82.000									
L21				1	1	0.987497			
82.000-79.333									
L22				1	1	0.933516			
79.333-79.083									
L23				1	1	0.953308			
79.083-75.250									
L24				1	1	0.952633			
75.250-75.000									
L25				1	1	0.939543			
75.000-70.000									
L26				1	1	0.958503			
70.000-65.000									
L27				1	1	0.954208			
65.000-63.250									
L28				1	1	0.945112			
63.250-63.000									
L29				1	1	0.946697			
63.000-58.000									
L30				1	1	0.954016			
58.000-49.083									
L31				1	1	0.952168			
49.083-48.083									
L32				1	1	0.95562			
48.083-43.083									
L33				1	1	0.96039			
43.083-38.417									
L34				1	1	0.956573			
38.417-38.167									
L35				1	1	0.955622			
38.167-37.583									
L36				1	1	0.949795			
37.583-37.333									
L37				1	1	0.946484			
37.333-35.750									
L38				1	1	0.975538			
35.750-35.500									
L39				1	1	0.991051			
35.500-30.500									
L40				1	1	0.985895			
30.500-25.500									
L41				1	1	0.980966			
25.500-20.500									
L42				1	1	0.976248			

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Tower Elevation	Gusset Area (per face)	Gusset Thickness	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
ft	ft ²	in							
20.500-15.500									
L43				1	1	0.993056			
15.500-10.500				1	1	0.988632			
L44									
10.500-5.500				1	1	0.984387			
L45									
5.500-0.500				1	1	0.983971			
L46									
0.500-0.000									

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
Safety Line 3/8	C	No	Surface Ar (CaAa)	160.000 - 0.000	1	1	-0.050 -0.040	0.375		0.000
*										
LDF7-50A(1-5/8)	A	No	Surface Ar (CaAa)	160.000 - 0.000	10	6	-0.320 -0.150	1.980		0.001
LDF7-50A(1-5/8)	A	No	Surface Ar (CaAa)	160.000 - 0.000	2	2	-0.260 -0.210	1.980		0.001
WR-VG86ST-BRD(3/4)	A	No	Surface Ar (CaAa)	160.000 - 0.000	6	4	-0.320 -0.250	0.795		0.001
HB158-1-08U8-S8J18(1-5/8)	A	No	Surface Ar (CaAa)	149.000 - 0.000	2	2	0.350 0.410	1.980		0.001
*										
AL7-50(1-5/8)	A	No	Surface Ar (CaAa)	116.000 - 0.000	7	6	0.100 0.300	1.960		0.001
*										
CU12PSM9P6XXX(1-1/2)	C	No	Surface Ar (CaAa)	127.000 - 0.000	1	1	-0.250 -0.200	1.600		0.002
*										
PL 6"x1"	A	No	Surface Af (CaAa)	40.500 - 0.500	1	1	-0.050 0.050	6.000	14.000	0.000
PL 6"x1"	B	No	Surface Af (CaAa)	40.500 - 0.500	1	1	-0.050 0.050	6.000	14.000	0.000
PL 6"x1"	C	No	Surface Af (CaAa)	40.500 - 0.500	1	1	-0.050 0.050	6.000	14.000	0.000
*										
PL 4.25"x1"	A	No	Surface Af (CaAa)	73.500 - 40.500	1	1	-0.050 0.050	4.250	10.500	0.000
PL 4.25"x1"	B	No	Surface Af (CaAa)	73.500 - 40.500	1	1	-0.050 0.050	4.250	10.500	0.000
PL 4.25"x1"	C	No	Surface Af (CaAa)	73.500 - 40.500	1	1	-0.050 0.050	4.250	10.500	0.000
*										
PL 4.25"x1"	A	No	Surface Af (CaAa)	113.500 - 73.500	1	1	-0.050 0.050	4.250	10.500	0.000
PL 4.25"x1"	B	No	Surface Af (CaAa)	113.500 - 73.500	1	1	-0.050 0.050	4.250	10.500	0.000
PL 4.25"x1"	C	No	Surface Af (CaAa)	113.500 - 73.500	1	1	-0.050 0.050	4.250	10.500	0.000

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Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	160.000-155.000	A	0.000	0.000	10.677	0.000	0.089
		B	0.000	0.000	1.167	0.000	0.022
		C	0.000	0.000	1.355	0.000	0.023
L2	155.000-150.500	A	0.000	0.000	8.559	0.000	0.060
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.169	0.000	0.001
L3	150.500-150.000	A	0.000	0.000	0.951	0.000	0.007
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.019	0.000	0.000
L4	150.000-145.000	A	0.000	0.000	11.094	0.000	0.085
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.188	0.000	0.001
L5	145.000-140.000	A	0.000	0.000	11.490	0.000	0.090
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.188	0.000	0.001
L6	140.000-135.000	A	0.000	0.000	11.490	0.000	0.090
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.188	0.000	0.001
L7	135.000-130.000	A	0.000	0.000	11.490	0.000	0.090
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.188	0.000	0.039
L8	130.000-125.000	A	0.000	0.000	11.490	0.000	0.090
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.507	0.000	0.043
L9	125.000-120.000	A	0.000	0.000	12.375	0.000	0.090
		B	0.000	0.000	0.885	0.000	0.000
		C	0.000	0.000	1.873	0.000	0.050
L10	120.000-119.583	A	0.000	0.000	1.254	0.000	0.007
		B	0.000	0.000	0.295	0.000	0.000
		C	0.000	0.000	0.378	0.000	0.004
L11	119.583-119.333	A	0.000	0.000	0.752	0.000	0.004
		B	0.000	0.000	0.177	0.000	0.000
		C	0.000	0.000	0.226	0.000	0.003
L12	119.333-114.333	A	0.000	0.000	16.992	0.000	0.096
		B	0.000	0.000	3.542	0.000	0.000
		C	0.000	0.000	4.529	0.000	0.050
L13	114.333-111.833	A	0.000	0.000	11.637	0.000	0.054
		B	0.000	0.000	2.952	0.000	0.000
		C	0.000	0.000	3.445	0.000	0.025
L14	111.833-111.583	A	0.000	0.000	1.223	0.000	0.005
		B	0.000	0.000	0.354	0.000	0.000
		C	0.000	0.000	0.404	0.000	0.003
L15	111.583-106.583	A	0.000	0.000	21.679	0.000	0.108
		B	0.000	0.000	4.309	0.000	0.000
		C	0.000	0.000	5.296	0.000	0.050
L16	106.583-97.167	A	0.000	0.000	39.381	0.000	0.203
		B	0.000	0.000	6.670	0.000	0.000
		C	0.000	0.000	8.529	0.000	0.095
L17	97.167-97.000	A	0.000	0.000	0.698	0.000	0.004
		B	0.000	0.000	0.118	0.000	0.000
		C	0.000	0.000	0.151	0.000	0.002
L18	97.000-92.000	A	0.000	0.000	20.912	0.000	0.108
		B	0.000	0.000	3.542	0.000	0.000
		C	0.000	0.000	4.529	0.000	0.050
L19	92.000-87.000	A	0.000	0.000	20.912	0.000	0.108
		B	0.000	0.000	3.542	0.000	0.000

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Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L20	87.000-82.000	C	0.000	0.000	4.529	0.000	0.050
		A	0.000	0.000	21.002	0.000	0.108
		B	0.000	0.000	3.632	0.000	0.000
L21	82.000-79.333	C	0.000	0.000	4.619	0.000	0.050
		A	0.000	0.000	14.044	0.000	0.058
		B	0.000	0.000	4.778	0.000	0.000
L22	79.333-79.083	C	0.000	0.000	5.305	0.000	0.027
		A	0.000	0.000	1.316	0.000	0.005
		B	0.000	0.000	0.448	0.000	0.000
L23	79.083-75.250	C	0.000	0.000	0.497	0.000	0.003
		A	0.000	0.000	20.183	0.000	0.083
		B	0.000	0.000	6.867	0.000	0.000
L24	75.250-75.000	C	0.000	0.000	7.624	0.000	0.039
		A	0.000	0.000	1.316	0.000	0.005
		B	0.000	0.000	0.448	0.000	0.000
L25	75.000-70.000	C	0.000	0.000	0.497	0.000	0.003
		A	0.000	0.000	26.328	0.000	0.108
		B	0.000	0.000	8.958	0.000	0.000
L26	70.000-65.000	C	0.000	0.000	9.946	0.000	0.050
		A	0.000	0.000	26.905	0.000	0.108
		B	0.000	0.000	9.535	0.000	0.000
L27	65.000-63.250	C	0.000	0.000	10.523	0.000	0.050
		A	0.000	0.000	9.798	0.000	0.038
		B	0.000	0.000	3.719	0.000	0.000
L28	63.250-63.000	C	0.000	0.000	4.064	0.000	0.018
		A	0.000	0.000	1.400	0.000	0.005
		B	0.000	0.000	0.531	0.000	0.000
L29	63.000-58.000	C	0.000	0.000	0.581	0.000	0.003
		A	0.000	0.000	27.995	0.000	0.108
		B	0.000	0.000	10.625	0.000	0.000
L30	58.000-49.083	C	0.000	0.000	11.613	0.000	0.050
		A	0.000	0.000	49.926	0.000	0.192
		B	0.000	0.000	18.949	0.000	0.000
L31	49.083-48.083	C	0.000	0.000	20.710	0.000	0.090
		A	0.000	0.000	5.599	0.000	0.022
		B	0.000	0.000	2.125	0.000	0.000
L32	48.083-43.083	C	0.000	0.000	2.322	0.000	0.010
		A	0.000	0.000	27.995	0.000	0.108
		B	0.000	0.000	10.625	0.000	0.000
L33	43.083-38.417	C	0.000	0.000	11.613	0.000	0.051
		A	0.000	0.000	26.732	0.000	0.101
		B	0.000	0.000	10.523	0.000	0.000
L34	38.417-38.167	C	0.000	0.000	11.444	0.000	0.048
		A	0.000	0.000	1.473	0.000	0.005
		B	0.000	0.000	0.604	0.000	0.000
L35	38.167-37.583	C	0.000	0.000	0.654	0.000	0.003
		A	0.000	0.000	3.440	0.000	0.013
		B	0.000	0.000	1.411	0.000	0.000
L36	37.583-37.333	C	0.000	0.000	1.527	0.000	0.006
		A	0.000	0.000	1.473	0.000	0.005
		B	0.000	0.000	0.604	0.000	0.000
L37	37.333-35.750	C	0.000	0.000	0.654	0.000	0.003
		A	0.000	0.000	9.325	0.000	0.034
		B	0.000	0.000	3.826	0.000	0.000
L38	35.750-35.500	C	0.000	0.000	4.138	0.000	0.016
		A	0.000	0.000	1.473	0.000	0.005
		B	0.000	0.000	0.604	0.000	0.000
L39	35.500-30.500	C	0.000	0.000	0.654	0.000	0.003
		A	0.000	0.000	27.328	0.000	0.108
		B	0.000	0.000	9.958	0.000	0.000
		C	0.000	0.000	10.946	0.000	0.051

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	Crown Castle	JD Prabhu

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L40	30.500-25.500	A	0.000	0.000	22.370	0.000	0.108
		B	0.000	0.000	5.000	0.000	0.000
		C	0.000	0.000	5.987	0.000	0.051
L41	25.500-20.500	A	0.000	0.000	22.370	0.000	0.108
		B	0.000	0.000	5.000	0.000	0.000
		C	0.000	0.000	5.987	0.000	0.051
L42	20.500-15.500	A	0.000	0.000	22.370	0.000	0.108
		B	0.000	0.000	5.000	0.000	0.000
		C	0.000	0.000	5.987	0.000	0.051
L43	15.500-10.500	A	0.000	0.000	22.370	0.000	0.108
		B	0.000	0.000	5.000	0.000	0.000
		C	0.000	0.000	5.987	0.000	0.051
L44	10.500-5.500	A	0.000	0.000	22.370	0.000	0.108
		B	0.000	0.000	5.000	0.000	0.000
		C	0.000	0.000	5.987	0.000	0.051
L45	5.500-0.500	A	0.000	0.000	22.370	0.000	0.108
		B	0.000	0.000	5.000	0.000	0.000
		C	0.000	0.000	5.987	0.000	0.051
L46	0.500-0.000	A	0.000	0.000	1.737	0.000	0.011
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.099	0.000	0.005

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 _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	160.000-155.000	A	1.988	0.000	0.000	20.779	0.000	0.395
		B		0.000	0.000	1.438	0.000	0.054
		C		0.000	0.000	3.613	0.000	0.084
L2	155.000-150.500	A	1.982	0.000	0.000	17.386	0.000	0.306
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	1.952	0.000	0.027
L3	150.500-150.000	A	1.978	0.000	0.000	1.931	0.000	0.034
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.217	0.000	0.003
L4	150.000-145.000	A	1.975	0.000	0.000	23.247	0.000	0.409
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	2.162	0.000	0.029
L5	145.000-140.000	A	1.968	0.000	0.000	24.201	0.000	0.425
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	2.155	0.000	0.029
L6	140.000-135.000	A	1.961	0.000	0.000	24.166	0.000	0.423
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	2.148	0.000	0.029
L7	135.000-130.000	A	1.953	0.000	0.000	24.130	0.000	0.422
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	2.141	0.000	0.066
L8	130.000-125.000	A	1.946	0.000	0.000	24.092	0.000	0.420
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	3.232	0.000	0.088
L9	125.000-120.000	A	1.938	0.000	0.000	25.256	0.000	0.435
		B		0.000	0.000	1.202	0.000	0.017
		C		0.000	0.000	6.066	0.000	0.136
L10	120.000-119.583	A	1.934	0.000	0.000	2.405	0.000	0.040
		B		0.000	0.000	0.401	0.000	0.006
		C		0.000	0.000	0.806	0.000	0.015
L11	119.583-119.333	A	1.933	0.000	0.000	1.442	0.000	0.024

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	Client	00:22:13 08/29/21
	Crown Castle	Designed by
		JD Prabhu

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		B		0.000	0.000	0.240	0.000	0.003
		C		0.000	0.000	0.483	0.000	0.009
L12	119.333-114.333	A	1.929	0.000	0.000	32.067	0.000	0.535
		B		0.000	0.000	4.805	0.000	0.066
		C		0.000	0.000	9.650	0.000	0.185
L13	114.333-111.833	A	1.923	0.000	0.000	21.088	0.000	0.342
		B		0.000	0.000	4.223	0.000	0.055
		C		0.000	0.000	6.639	0.000	0.114
L14	111.833-111.583	A	1.920	0.000	0.000	2.199	0.000	0.035
		B		0.000	0.000	0.513	0.000	0.007
		C		0.000	0.000	0.755	0.000	0.013
L15	111.583-106.583	A	1.916	0.000	0.000	40.184	0.000	0.652
		B		0.000	0.000	6.497	0.000	0.080
		C		0.000	0.000	11.316	0.000	0.199
L16	106.583-97.167	A	1.903	0.000	0.000	73.537	0.000	1.192
		B		0.000	0.000	10.253	0.000	0.123
		C		0.000	0.000	19.279	0.000	0.345
L17	97.167-97.000	A	1.894	0.000	0.000	1.304	0.000	0.021
		B		0.000	0.000	0.182	0.000	0.002
		C		0.000	0.000	0.342	0.000	0.006
L18	97.000-92.000	A	1.889	0.000	0.000	38.946	0.000	0.628
		B		0.000	0.000	5.430	0.000	0.065
		C		0.000	0.000	10.195	0.000	0.182
L19	92.000-87.000	A	1.878	0.000	0.000	38.872	0.000	0.625
		B		0.000	0.000	5.420	0.000	0.064
		C		0.000	0.000	10.164	0.000	0.180
L20	87.000-82.000	A	1.868	0.000	0.000	38.903	0.000	0.623
		B		0.000	0.000	5.519	0.000	0.065
		C		0.000	0.000	10.241	0.000	0.181
L21	82.000-79.333	A	1.859	0.000	0.000	24.169	0.000	0.373
		B		0.000	0.000	6.391	0.000	0.077
		C		0.000	0.000	8.901	0.000	0.139
L22	79.333-79.083	A	1.856	0.000	0.000	2.264	0.000	0.035
		B		0.000	0.000	0.599	0.000	0.007
		C		0.000	0.000	0.834	0.000	0.013
L23	79.083-75.250	A	1.851	0.000	0.000	34.687	0.000	0.534
		B		0.000	0.000	9.175	0.000	0.110
		C		0.000	0.000	12.770	0.000	0.198
L24	75.250-75.000	A	1.846	0.000	0.000	2.260	0.000	0.035
		B		0.000	0.000	0.598	0.000	0.007
		C		0.000	0.000	0.832	0.000	0.013
L25	75.000-70.000	A	1.839	0.000	0.000	45.159	0.000	0.693
		B		0.000	0.000	11.952	0.000	0.143
		C		0.000	0.000	16.617	0.000	0.257
L26	70.000-65.000	A	1.826	0.000	0.000	45.887	0.000	0.692
		B		0.000	0.000	12.761	0.000	0.146
		C		0.000	0.000	17.401	0.000	0.259
L27	65.000-63.250	A	1.817	0.000	0.000	16.564	0.000	0.244
		B		0.000	0.000	4.990	0.000	0.054
		C		0.000	0.000	6.608	0.000	0.094
L28	63.250-63.000	A	1.814	0.000	0.000	2.365	0.000	0.035
		B		0.000	0.000	0.713	0.000	0.008
		C		0.000	0.000	0.943	0.000	0.013
L29	63.000-58.000	A	1.806	0.000	0.000	47.239	0.000	0.694
		B		0.000	0.000	14.237	0.000	0.153
		C		0.000	0.000	18.837	0.000	0.265
L30	58.000-49.083	A	1.784	0.000	0.000	83.921	0.000	1.222
		B		0.000	0.000	25.312	0.000	0.269
		C		0.000	0.000	33.437	0.000	0.467
L31	49.083-48.083	A	1.767	0.000	0.000	9.411	0.000	0.137
		B		0.000	0.000	2.839	0.000	0.030

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Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L32	48.083-43.083	C		0.000	0.000	3.750	0.000	0.052
		A	1.756	0.000	0.000	46.823	0.000	0.674
		B		0.000	0.000	14.137	0.000	0.148
		C		0.000	0.000	18.636	0.000	0.258
L33	43.083-38.417	A	1.736	0.000	0.000	44.152	0.000	0.627
		B		0.000	0.000	13.763	0.000	0.141
		C		0.000	0.000	17.925	0.000	0.242
L34	38.417-38.167	A	1.725	0.000	0.000	2.402	0.000	0.034
		B		0.000	0.000	0.777	0.000	0.008
		C		0.000	0.000	0.999	0.000	0.013
L35	38.167-37.583	A	1.724	0.000	0.000	5.608	0.000	0.079
		B		0.000	0.000	1.814	0.000	0.018
		C		0.000	0.000	2.332	0.000	0.031
L36	37.583-37.333	A	1.722	0.000	0.000	2.400	0.000	0.034
		B		0.000	0.000	0.776	0.000	0.008
		C		0.000	0.000	0.998	0.000	0.013
L37	37.333-35.750	A	1.717	0.000	0.000	15.186	0.000	0.213
		B		0.000	0.000	4.913	0.000	0.049
		C		0.000	0.000	6.313	0.000	0.083
L38	35.750-35.500	A	1.713	0.000	0.000	2.396	0.000	0.033
		B		0.000	0.000	0.775	0.000	0.008
		C		0.000	0.000	0.996	0.000	0.013
L39	35.500-30.500	A	1.700	0.000	0.000	45.185	0.000	0.639
		B		0.000	0.000	12.848	0.000	0.128
		C		0.000	0.000	17.236	0.000	0.234
L40	30.500-25.500	A	1.672	0.000	0.000	38.836	0.000	0.570
		B		0.000	0.000	6.672	0.000	0.066
		C		0.000	0.000	11.004	0.000	0.172
L41	25.500-20.500	A	1.640	0.000	0.000	38.600	0.000	0.560
		B		0.000	0.000	6.640	0.000	0.064
		C		0.000	0.000	10.906	0.000	0.168
L42	20.500-15.500	A	1.600	0.000	0.000	38.312	0.000	0.547
		B		0.000	0.000	6.600	0.000	0.062
		C		0.000	0.000	10.787	0.000	0.164
L43	15.500-10.500	A	1.549	0.000	0.000	37.940	0.000	0.531
		B		0.000	0.000	6.549	0.000	0.060
		C		0.000	0.000	10.634	0.000	0.159
L44	10.500-5.500	A	1.475	0.000	0.000	37.408	0.000	0.508
		B		0.000	0.000	6.475	0.000	0.056
		C		0.000	0.000	10.413	0.000	0.152
L45	5.500-0.500	A	1.337	0.000	0.000	36.407	0.000	0.466
		B		0.000	0.000	6.337	0.000	0.050
		C		0.000	0.000	9.999	0.000	0.139
L46	0.500-0.000	A	1.043	0.000	0.000	2.823	0.000	0.035
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.307	0.000	0.008

Feed Line Center of Pressure

Section	Elevation ft	CP _x in	CP _z in	CP _x Ice in	CP _z Ice in
L1	160.000-155.000	-4.734	0.010	-4.544	0.418
L2	155.000-150.500	-5.575	0.012	-4.991	0.458
L3	150.500-150.000	-5.605	0.013	-5.039	0.463
L4	150.000-145.000	-5.369	-0.786	-4.619	-0.447
L5	145.000-140.000	-5.423	-0.983	-4.670	-0.655

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Section	Elevation	CP _x	CP _z	CP _x	CP _z
	ft	in	in	Ice in	Ice in
L6	140.000-135.000	-5.518	-1.002	-4.818	-0.675
L7	135.000-130.000	-5.609	-1.019	-4.962	-0.695
L8	130.000-125.000	-5.545	-0.869	-4.884	-0.467
L9	125.000-120.000	-4.904	-0.581	-4.426	-0.115
L10	120.000-119.583	-3.876	-0.459	-3.823	-0.099
L11	119.583-119.333	-3.883	-0.460	-3.831	-0.100
L12	119.333-114.333	-4.189	-1.079	-4.050	-0.628
L13	114.333-111.833	-4.046	-1.850	-3.911	-1.362
L14	111.833-111.583	-3.805	-1.739	-3.732	-1.300
L15	111.583-106.583	-4.546	-2.077	-4.250	-1.480
L16	106.583-97.167	-4.920	-2.247	-4.566	-1.590
L17	97.167-97.000	-4.965	-2.268	-4.620	-1.608
L18	97.000-92.000	-5.012	-2.288	-4.680	-1.631
L19	92.000-87.000	-5.100	-2.328	-4.793	-1.670
L20	87.000-82.000	-5.157	-2.353	-4.887	-1.704
L21	82.000-79.333	-3.892	-1.776	-4.097	-1.429
L22	79.333-79.083	-3.916	-1.787	-4.126	-1.439
L23	79.083-75.250	-3.946	-1.800	-4.164	-1.453
L24	75.250-75.000	-3.976	-1.813	-4.202	-1.467
L25	75.000-70.000	-4.014	-1.831	-4.251	-1.484
L26	70.000-65.000	-3.977	-1.814	-4.247	-1.484
L27	65.000-63.250	-3.835	-1.748	-4.142	-1.448
L28	63.250-63.000	-3.849	-1.755	-4.160	-1.455
L29	63.000-58.000	-3.884	-1.770	-4.205	-1.471
L30	58.000-49.083	-3.982	-1.815	-4.324	-1.516
L31	49.083-48.083	-3.999	-1.822	-4.342	-1.522
L32	48.083-43.083	-4.043	-1.842	-4.390	-1.544
L33	43.083-38.417	-4.005	-1.824	-4.395	-1.549
L34	38.417-38.167	-3.910	-1.781	-4.345	-1.533
L35	38.167-37.583	-3.916	-1.784	-4.351	-1.535
L36	37.583-37.333	-3.923	-1.787	-4.359	-1.538
L37	37.333-35.750	-3.935	-1.793	-4.373	-1.544
L38	35.750-35.500	-3.947	-1.798	-4.385	-1.549
L39	35.500-30.500	-4.349	-1.981	-4.728	-1.673
L40	30.500-25.500	-5.624	-2.561	-5.723	-2.031
L41	25.500-20.500	-5.712	-2.601	-5.813	-2.071
L42	20.500-15.500	-5.798	-2.640	-5.904	-2.113
L43	15.500-10.500	-5.884	-2.678	-5.993	-2.159
L44	10.500-5.500	-5.969	-2.716	-6.082	-2.212
L45	5.500-0.500	-6.053	-2.754	-6.173	-2.288
L46	0.500-0.000	-8.310	-3.781	-7.855	-3.041

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L1	1	Safety Line 3/8	155.00 - 160.00	1.0000	1.0000
L1	3	LDF7-50A(1-5/8)	155.00 - 160.00	1.0000	1.0000
L1	4	LDF7-50A(1-5/8)	155.00 - 160.00	1.0000	1.0000

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L1	5	WR-VG86ST-BRD(3/4)	155.00 - 160.00	1.0000	1.0000
L1	45	MC10x28.5	158.83 - 160.00	1.0000	1.0000
L1	46	MC10x28.5	158.83 - 160.00	1.0000	1.0000
L1	47	MC10x28.5	158.83 - 160.00	1.0000	1.0000
L2	1	Safety Line 3/8	150.50 - 155.00	1.0000	1.0000
L2	3	LDF7-50A(1-5/8)	150.50 - 155.00	1.0000	1.0000
L2	4	LDF7-50A(1-5/8)	150.50 - 155.00	1.0000	1.0000
L2	5	WR-VG86ST-BRD(3/4)	150.50 - 155.00	1.0000	1.0000
L3	1	Safety Line 3/8	150.00 - 150.50	1.0000	1.0000
L3	3	LDF7-50A(1-5/8)	150.00 - 150.50	1.0000	1.0000
L3	4	LDF7-50A(1-5/8)	150.00 - 150.50	1.0000	1.0000
L3	5	WR-VG86ST-BRD(3/4)	150.00 - 150.50	1.0000	1.0000
L4	1	Safety Line 3/8	145.00 - 150.00	1.0000	1.0000
L4	3	LDF7-50A(1-5/8)	145.00 - 150.00	1.0000	1.0000
L4	4	LDF7-50A(1-5/8)	145.00 - 150.00	1.0000	1.0000
L4	5	WR-VG86ST-BRD(3/4)	145.00 - 150.00	1.0000	1.0000
L4	11	HB158-1-08U8-S8J18(1-5/8)	145.00 - 149.00	1.0000	1.0000
L5	1	Safety Line 3/8	140.00 - 145.00	1.0000	1.0000
L5	3	LDF7-50A(1-5/8)	140.00 - 145.00	1.0000	1.0000
L5	4	LDF7-50A(1-5/8)	140.00 - 145.00	1.0000	1.0000
L5	5	WR-VG86ST-BRD(3/4)	140.00 - 145.00	1.0000	1.0000
L5	11	HB158-1-08U8-S8J18(1-5/8)	140.00 - 145.00	1.0000	1.0000
L6	1	Safety Line 3/8	135.00 - 140.00	1.0000	1.0000
L6	3	LDF7-50A(1-5/8)	135.00 - 140.00	1.0000	1.0000
L6	4	LDF7-50A(1-5/8)	135.00 - 140.00	1.0000	1.0000
L6	5	WR-VG86ST-BRD(3/4)	135.00 - 140.00	1.0000	1.0000
L6	11	HB158-1-08U8-S8J18(1-5/8)	135.00 - 140.00	1.0000	1.0000
L7	1	Safety Line 3/8	130.00 - 135.00	1.0000	1.0000
L7	3	LDF7-50A(1-5/8)	130.00 - 135.00	1.0000	1.0000
L7	4	LDF7-50A(1-5/8)	130.00 - 135.00	1.0000	1.0000
L7	5	WR-VG86ST-BRD(3/4)	130.00 - 135.00	1.0000	1.0000

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<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_o No Ice</i>	<i>K_o Ice</i>
L7	11	HB158-1-08U8-S8J18(1-5/8)	130.00 - 135.00	1.0000	1.0000
L8	1	Safety Line 3/8	125.00 - 130.00	1.0000	1.0000
L8	3	LDF7-50A(1-5/8)	125.00 - 130.00	1.0000	1.0000
L8	4	LDF7-50A(1-5/8)	125.00 - 130.00	1.0000	1.0000
L8	5	WR-VG86ST-BRD(3/4)	125.00 - 130.00	1.0000	1.0000
L8	11	HB158-1-08U8-S8J18(1-5/8)	125.00 - 130.00	1.0000	1.0000
L8	25	CU12PSM9P6XXX(1-1/2)	125.00 - 127.00	1.0000	1.0000
L9	1	Safety Line 3/8	120.00 - 125.00	1.0000	1.0000
L9	3	LDF7-50A(1-5/8)	120.00 - 125.00	1.0000	1.0000
L9	4	LDF7-50A(1-5/8)	120.00 - 125.00	1.0000	1.0000
L9	5	WR-VG86ST-BRD(3/4)	120.00 - 125.00	1.0000	1.0000
L9	11	HB158-1-08U8-S8J18(1-5/8)	120.00 - 125.00	1.0000	1.0000
L9	25	CU12PSM9P6XXX(1-1/2)	120.00 - 125.00	1.0000	1.0000
L9	41	PL 4.25"x1"	120.00 - 121.25	1.0000	1.0000
L9	42	PL 4.25"x1"	120.00 - 121.25	1.0000	1.0000
L9	43	PL 4.25"x1"	120.00 - 121.25	1.0000	1.0000
L10	1	Safety Line 3/8	119.58 - 120.00	1.0000	1.0000
L10	3	LDF7-50A(1-5/8)	119.58 - 120.00	1.0000	1.0000
L10	4	LDF7-50A(1-5/8)	119.58 - 120.00	1.0000	1.0000
L10	5	WR-VG86ST-BRD(3/4)	119.58 - 120.00	1.0000	1.0000
L10	11	HB158-1-08U8-S8J18(1-5/8)	119.58 - 120.00	1.0000	1.0000
L10	25	CU12PSM9P6XXX(1-1/2)	119.58 - 120.00	1.0000	1.0000
L10	41	PL 4.25"x1"	119.58 - 120.00	1.0000	1.0000
L10	42	PL 4.25"x1"	119.58 - 120.00	1.0000	1.0000
L10	43	PL 4.25"x1"	119.58 - 120.00	1.0000	1.0000
L11	1	Safety Line 3/8	119.33 - 119.58	1.0000	1.0000
L11	3	LDF7-50A(1-5/8)	119.33 - 119.58	1.0000	1.0000
L11	4	LDF7-50A(1-5/8)	119.33 - 119.58	1.0000	1.0000
L11	5	WR-VG86ST-BRD(3/4)	119.33 - 119.58	1.0000	1.0000
L11	11	HB158-1-08U8-S8J18(1-5/8)	119.33 - 119.58	1.0000	1.0000
L11	25	CU12PSM9P6XXX(1-1/2)	119.33 - 119.58	1.0000	1.0000

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	Crown Castle	JD Prabhu

<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_o No Ice</i>	<i>K_o Ice</i>
L11	41	PL 4.25"x1"	119.33 - 119.58	1.0000	1.0000
L11	42	PL 4.25"x1"	119.33 - 119.58	1.0000	1.0000
L11	43	PL 4.25"x1"	119.33 - 119.58	1.0000	1.0000
L12	1	Safety Line 3/8	114.33 - 119.33	1.0000	1.0000
L12	3	LDF7-50A(1-5/8)	114.33 - 119.33	1.0000	1.0000
L12	4	LDF7-50A(1-5/8)	114.33 - 119.33	1.0000	1.0000
L12	5	WR-VG86ST-BRD(3/4)	114.33 - 119.33	1.0000	1.0000
L12	11	HB158-1-08U8-S8J18(1-5/8)	114.33 - 119.33	1.0000	1.0000
L12	21	AL7-50(1-5/8)	114.33 - 116.00	1.0000	1.0000
L12	25	CU12PSM9P6XXX(1-1/2)	114.33 - 119.33	1.0000	1.0000
L12	41	PL 4.25"x1"	114.33 - 119.33	1.0000	1.0000
L12	42	PL 4.25"x1"	114.33 - 119.33	1.0000	1.0000
L12	43	PL 4.25"x1"	114.33 - 119.33	1.0000	1.0000
L13	1	Safety Line 3/8	111.83 - 114.33	1.0000	1.0000
L13	3	LDF7-50A(1-5/8)	111.83 - 114.33	1.0000	1.0000
L13	4	LDF7-50A(1-5/8)	111.83 - 114.33	1.0000	1.0000
L13	5	WR-VG86ST-BRD(3/4)	111.83 - 114.33	1.0000	1.0000
L13	11	HB158-1-08U8-S8J18(1-5/8)	111.83 - 114.33	1.0000	1.0000
L13	21	AL7-50(1-5/8)	111.83 - 114.33	1.0000	1.0000
L13	25	CU12PSM9P6XXX(1-1/2)	111.83 - 114.33	1.0000	1.0000
L13	37	PL 4.25"x1"	111.83 - 113.50	1.0000	1.0000
L13	38	PL 4.25"x1"	111.83 - 113.50	1.0000	1.0000
L13	39	PL 4.25"x1"	111.83 - 113.50	1.0000	1.0000
L13	41	PL 4.25"x1"	111.83 - 114.33	1.0000	1.0000
L13	42	PL 4.25"x1"	111.83 - 114.33	1.0000	1.0000
L13	43	PL 4.25"x1"	111.83 - 114.33	1.0000	1.0000
L14	1	Safety Line 3/8	111.58 - 111.83	1.0000	1.0000
L14	3	LDF7-50A(1-5/8)	111.58 - 111.83	1.0000	1.0000
L14	4	LDF7-50A(1-5/8)	111.58 - 111.83	1.0000	1.0000
L14	5	WR-VG86ST-BRD(3/4)	111.58 - 111.83	1.0000	1.0000
L14	11	HB158-1-08U8-S8J18(1-5/8)	111.58 - 111.83	1.0000	1.0000

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	Client	Designed by
	Crown Castle	JD Prabhu

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L14	21	AL7-50(1-5/8)	111.58 - 111.83	1.0000	1.0000
L14	25	CU12PSM9P6XXX(1-1/2)	111.58 - 111.83	1.0000	1.0000
L14	37	PL 4.25"x1"	111.58 - 111.83	1.0000	1.0000
L14	38	PL 4.25"x1"	111.58 - 111.83	1.0000	1.0000
L14	39	PL 4.25"x1"	111.58 - 111.83	1.0000	1.0000
L14	41	PL 4.25"x1"	111.58 - 111.83	1.0000	1.0000
L14	42	PL 4.25"x1"	111.58 - 111.83	1.0000	1.0000
L14	43	PL 4.25"x1"	111.58 - 111.83	1.0000	1.0000
L15	1	Safety Line 3/8	106.58 - 111.58	1.0000	1.0000
L15	3	LDF7-50A(1-5/8)	106.58 - 111.58	1.0000	1.0000
L15	4	LDF7-50A(1-5/8)	106.58 - 111.58	1.0000	1.0000
L15	5	WR-VG86ST-BRD(3/4)	106.58 - 111.58	1.0000	1.0000
L15	11	HB158-1-08U8-S8J18(1-5/8)	106.58 - 111.58	1.0000	1.0000
L15	21	AL7-50(1-5/8)	106.58 - 111.58	1.0000	1.0000
L15	25	CU12PSM9P6XXX(1-1/2)	106.58 - 111.58	1.0000	1.0000
L15	37	PL 4.25"x1"	106.58 - 111.58	1.0000	1.0000
L15	38	PL 4.25"x1"	106.58 - 111.58	1.0000	1.0000
L15	39	PL 4.25"x1"	106.58 - 111.58	1.0000	1.0000
L15	41	PL 4.25"x1"	110.50 - 111.58	1.0000	1.0000
L15	42	PL 4.25"x1"	110.50 - 111.58	1.0000	1.0000
L15	43	PL 4.25"x1"	110.50 - 111.58	1.0000	1.0000
L16	1	Safety Line 3/8	97.17 - 106.58	1.0000	1.0000
L16	3	LDF7-50A(1-5/8)	97.17 - 106.58	1.0000	1.0000
L16	4	LDF7-50A(1-5/8)	97.17 - 106.58	1.0000	1.0000
L16	5	WR-VG86ST-BRD(3/4)	97.17 - 106.58	1.0000	1.0000
L16	11	HB158-1-08U8-S8J18(1-5/8)	97.17 - 106.58	1.0000	1.0000
L16	21	AL7-50(1-5/8)	97.17 - 106.58	1.0000	1.0000
L16	25	CU12PSM9P6XXX(1-1/2)	97.17 - 106.58	1.0000	1.0000
L16	37	PL 4.25"x1"	97.17 - 106.58	1.0000	1.0000
L16	38	PL 4.25"x1"	97.17 - 106.58	1.0000	1.0000
L16	39	PL 4.25"x1"	97.17 - 106.58	1.0000	1.0000
L17	1	Safety Line 3/8	97.00 - 97.17	1.0000	1.0000
L17	3	LDF7-50A(1-5/8)	97.00 - 97.17	1.0000	1.0000
L17	4	LDF7-50A(1-5/8)	97.00 - 97.17	1.0000	1.0000
L17	5	WR-VG86ST-BRD(3/4)	97.00 - 97.17	1.0000	1.0000
L17	11	HB158-1-08U8-S8J18(1-5/8)	97.00 - 97.17	1.0000	1.0000
L17	21	AL7-50(1-5/8)	97.00 - 97.17	1.0000	1.0000
L17	25	CU12PSM9P6XXX(1-1/2)	97.00 - 97.17	1.0000	1.0000
L17	37	PL 4.25"x1"	97.00 - 97.17	1.0000	1.0000
L17	38	PL 4.25"x1"	97.00 - 97.17	1.0000	1.0000
L17	39	PL 4.25"x1"	97.00 - 97.17	1.0000	1.0000

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	Client	Crown Castle	Designed by	JD Prabhu

<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_o No Ice</i>	<i>K_o Ice</i>
L18	1	Safety Line 3/8	92.00 - 97.00	1.0000	1.0000
L18	3	LDF7-50A(1-5/8)	92.00 - 97.00	1.0000	1.0000
L18	4	LDF7-50A(1-5/8)	92.00 - 97.00	1.0000	1.0000
L18	5	WR-VG86ST-BRD(3/4)	92.00 - 97.00	1.0000	1.0000
L18	11	HB158-1-08U8-S8J18(1-5/8)	92.00 - 97.00	1.0000	1.0000
L18	21	AL7-50(1-5/8)	92.00 - 97.00	1.0000	1.0000
L18	25	CU12PSM9P6XXX(1-1/2)	92.00 - 97.00	1.0000	1.0000
L18	37	PL 4.25"x1"	92.00 - 97.00	1.0000	1.0000
L18	38	PL 4.25"x1"	92.00 - 97.00	1.0000	1.0000
L18	39	PL 4.25"x1"	92.00 - 97.00	1.0000	1.0000
L19	1	Safety Line 3/8	87.00 - 92.00	1.0000	1.0000
L19	3	LDF7-50A(1-5/8)	87.00 - 92.00	1.0000	1.0000
L19	4	LDF7-50A(1-5/8)	87.00 - 92.00	1.0000	1.0000
L19	5	WR-VG86ST-BRD(3/4)	87.00 - 92.00	1.0000	1.0000
L19	11	HB158-1-08U8-S8J18(1-5/8)	87.00 - 92.00	1.0000	1.0000
L19	21	AL7-50(1-5/8)	87.00 - 92.00	1.0000	1.0000
L19	25	CU12PSM9P6XXX(1-1/2)	87.00 - 92.00	1.0000	1.0000
L19	37	PL 4.25"x1"	87.00 - 92.00	1.0000	1.0000
L19	38	PL 4.25"x1"	87.00 - 92.00	1.0000	1.0000
L19	39	PL 4.25"x1"	87.00 - 92.00	1.0000	1.0000
L20	1	Safety Line 3/8	82.00 - 87.00	1.0000	1.0000
L20	3	LDF7-50A(1-5/8)	82.00 - 87.00	1.0000	1.0000
L20	4	LDF7-50A(1-5/8)	82.00 - 87.00	1.0000	1.0000
L20	5	WR-VG86ST-BRD(3/4)	82.00 - 87.00	1.0000	1.0000
L20	11	HB158-1-08U8-S8J18(1-5/8)	82.00 - 87.00	1.0000	1.0000
L20	21	AL7-50(1-5/8)	82.00 - 87.00	1.0000	1.0000
L20	25	CU12PSM9P6XXX(1-1/2)	82.00 - 87.00	1.0000	1.0000
L20	37	PL 4.25"x1"	82.00 - 87.00	1.0000	1.0000
L20	38	PL 4.25"x1"	82.00 - 87.00	1.0000	1.0000
L20	39	PL 4.25"x1"	82.00 - 87.00	1.0000	1.0000
L20	53	CCI 6.5" x 1.25" Plate	82.00 - 82.08	1.0000	1.0000
L20	54	CCI 6.5" x 1.25" Plate	82.00 - 82.08	1.0000	1.0000
L20	55	CCI 6.5" x 1.25" Plate	82.00 - 82.08	1.0000	1.0000
L21	1	Safety Line 3/8	79.33 - 82.00	1.0000	1.0000
L21	3	LDF7-50A(1-5/8)	79.33 - 82.00	1.0000	1.0000
L21	4	LDF7-50A(1-5/8)	79.33 - 82.00	1.0000	1.0000
L21	5	WR-VG86ST-BRD(3/4)	79.33 - 82.00	1.0000	1.0000
L21	11	HB158-1-08U8-S8J18(1-5/8)	79.33 - 82.00	1.0000	1.0000
L21	21	AL7-50(1-5/8)	79.33 - 82.00	1.0000	1.0000
L21	25	CU12PSM9P6XXX(1-1/2)	79.33 - 82.00	1.0000	1.0000
L21	37	PL 4.25"x1"	79.33 - 82.00	1.0000	1.0000
L21	38	PL 4.25"x1"	79.33 - 82.00	1.0000	1.0000
L21	39	PL 4.25"x1"	79.33 - 82.00	1.0000	1.0000
L21	53	CCI 6.5" x 1.25" Plate	79.33 - 82.00	1.0000	1.0000
L21	54	CCI 6.5" x 1.25" Plate	79.33 - 82.00	1.0000	1.0000
L21	55	CCI 6.5" x 1.25" Plate	79.33 - 82.00	1.0000	1.0000
L22	1	Safety Line 3/8	79.08 - 79.33	1.0000	1.0000
L22	3	LDF7-50A(1-5/8)	79.08 - 79.33	1.0000	1.0000
L22	4	LDF7-50A(1-5/8)	79.08 - 79.33	1.0000	1.0000
L22	5	WR-VG86ST-BRD(3/4)	79.08 - 79.33	1.0000	1.0000
L22	11	HB158-1-08U8-S8J18(1-5/8)	79.08 - 79.33	1.0000	1.0000
L22	21	AL7-50(1-5/8)	79.08 - 79.33	1.0000	1.0000
L22	25	CU12PSM9P6XXX(1-1/2)	79.08 - 79.33	1.0000	1.0000
L22	37	PL 4.25"x1"	79.08 - 79.33	1.0000	1.0000
L22	38	PL 4.25"x1"	79.08 - 79.33	1.0000	1.0000
L22	39	PL 4.25"x1"	79.08 - 79.33	1.0000	1.0000
L22	53	CCI 6.5" x 1.25" Plate	79.08 - 79.33	1.0000	1.0000
L22	54	CCI 6.5" x 1.25" Plate	79.08 - 79.33	1.0000	1.0000
L22	55	CCI 6.5" x 1.25" Plate	79.08 - 79.33	1.0000	1.0000
L23	1	Safety Line 3/8	75.25 - 79.08	1.0000	1.0000
L23	3	LDF7-50A(1-5/8)	75.25 - 79.08	1.0000	1.0000
L23	4	LDF7-50A(1-5/8)	75.25 - 79.08	1.0000	1.0000

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	Client	Designed by
	Crown Castle	JD Prabhu

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L23	5	WR-VG86ST-BRD(3/4)	75.25 - 79.08	1.0000	1.0000
L23	11	HB158-1-08U8-S8J18(1-5/8)	75.25 - 79.08	1.0000	1.0000
L23	21	AL7-50(1-5/8)	75.25 - 79.08	1.0000	1.0000
L23	25	CU12PSM9P6XXX(1-1/2)	75.25 - 79.08	1.0000	1.0000
L23	37	PL 4.25"x1"	75.25 - 79.08	1.0000	1.0000
L23	38	PL 4.25"x1"	75.25 - 79.08	1.0000	1.0000
L23	39	PL 4.25"x1"	75.25 - 79.08	1.0000	1.0000
L23	53	CCI 6.5" x 1.25" Plate	75.25 - 79.08	1.0000	1.0000
L23	54	CCI 6.5" x 1.25" Plate	75.25 - 79.08	1.0000	1.0000
L23	55	CCI 6.5" x 1.25" Plate	75.25 - 79.08	1.0000	1.0000
L24	1	Safety Line 3/8	75.00 - 75.25	1.0000	1.0000
L24	3	LDF7-50A(1-5/8)	75.00 - 75.25	1.0000	1.0000
L24	4	LDF7-50A(1-5/8)	75.00 - 75.25	1.0000	1.0000
L24	5	WR-VG86ST-BRD(3/4)	75.00 - 75.25	1.0000	1.0000
L24	11	HB158-1-08U8-S8J18(1-5/8)	75.00 - 75.25	1.0000	1.0000
L24	21	AL7-50(1-5/8)	75.00 - 75.25	1.0000	1.0000
L24	25	CU12PSM9P6XXX(1-1/2)	75.00 - 75.25	1.0000	1.0000
L24	37	PL 4.25"x1"	75.00 - 75.25	1.0000	1.0000
L24	38	PL 4.25"x1"	75.00 - 75.25	1.0000	1.0000
L24	39	PL 4.25"x1"	75.00 - 75.25	1.0000	1.0000
L24	53	CCI 6.5" x 1.25" Plate	75.00 - 75.25	1.0000	1.0000
L24	54	CCI 6.5" x 1.25" Plate	75.00 - 75.25	1.0000	1.0000
L24	55	CCI 6.5" x 1.25" Plate	75.00 - 75.25	1.0000	1.0000
L25	1	Safety Line 3/8	70.00 - 75.00	1.0000	1.0000
L25	3	LDF7-50A(1-5/8)	70.00 - 75.00	1.0000	1.0000
L25	4	LDF7-50A(1-5/8)	70.00 - 75.00	1.0000	1.0000
L25	5	WR-VG86ST-BRD(3/4)	70.00 - 75.00	1.0000	1.0000
L25	11	HB158-1-08U8-S8J18(1-5/8)	70.00 - 75.00	1.0000	1.0000
L25	21	AL7-50(1-5/8)	70.00 - 75.00	1.0000	1.0000
L25	25	CU12PSM9P6XXX(1-1/2)	70.00 - 75.00	1.0000	1.0000
L25	33	PL 4.25"x1"	70.00 - 73.50	1.0000	1.0000
L25	34	PL 4.25"x1"	70.00 - 73.50	1.0000	1.0000
L25	35	PL 4.25"x1"	70.00 - 73.50	1.0000	1.0000
L25	37	PL 4.25"x1"	73.50 - 75.00	1.0000	1.0000
L25	38	PL 4.25"x1"	73.50 - 75.00	1.0000	1.0000
L25	39	PL 4.25"x1"	73.50 - 75.00	1.0000	1.0000
L25	53	CCI 6.5" x 1.25" Plate	70.00 - 75.00	1.0000	1.0000
L25	54	CCI 6.5" x 1.25" Plate	70.00 - 75.00	1.0000	1.0000
L25	55	CCI 6.5" x 1.25" Plate	70.00 - 75.00	1.0000	1.0000
L26	1	Safety Line 3/8	65.00 - 70.00	1.0000	1.0000
L26	3	LDF7-50A(1-5/8)	65.00 - 70.00	1.0000	1.0000
L26	4	LDF7-50A(1-5/8)	65.00 - 70.00	1.0000	1.0000
L26	5	WR-VG86ST-BRD(3/4)	65.00 - 70.00	1.0000	1.0000
L26	11	HB158-1-08U8-S8J18(1-5/8)	65.00 - 70.00	1.0000	1.0000
L26	21	AL7-50(1-5/8)	65.00 - 70.00	1.0000	1.0000
L26	25	CU12PSM9P6XXX(1-1/2)	65.00 - 70.00	1.0000	1.0000
L26	33	PL 4.25"x1"	65.00 - 70.00	1.0000	1.0000
L26	34	PL 4.25"x1"	65.00 - 70.00	1.0000	1.0000
L26	35	PL 4.25"x1"	65.00 - 70.00	1.0000	1.0000
L26	49	CCI 8.5" x 1.25" Plate	65.00 - 67.00	1.0000	1.0000
L26	50	CCI 8.5" x 1.25" Plate	65.00 - 67.00	1.0000	1.0000
L26	51	CCI 8.5" x 1.25" Plate	65.00 - 67.00	1.0000	1.0000
L26	53	CCI 6.5" x 1.25" Plate	67.08 - 70.00	1.0000	1.0000
L26	54	CCI 6.5" x 1.25" Plate	67.08 - 70.00	1.0000	1.0000
L26	55	CCI 6.5" x 1.25" Plate	67.08 - 70.00	1.0000	1.0000
L27	1	Safety Line 3/8	63.25 - 65.00	1.0000	1.0000
L27	3	LDF7-50A(1-5/8)	63.25 - 65.00	1.0000	1.0000
L27	4	LDF7-50A(1-5/8)	63.25 - 65.00	1.0000	1.0000
L27	5	WR-VG86ST-BRD(3/4)	63.25 - 65.00	1.0000	1.0000
L27	11	HB158-1-08U8-S8J18(1-5/8)	63.25 - 65.00	1.0000	1.0000
L27	21	AL7-50(1-5/8)	63.25 - 65.00	1.0000	1.0000
L27	25	CU12PSM9P6XXX(1-1/2)	63.25 - 65.00	1.0000	1.0000

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	Crown Castle	JD Prabhu

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L27	33	PL 4.25"x1"	63.25 - 65.00	1.0000	1.0000
L27	34	PL 4.25"x1"	63.25 - 65.00	1.0000	1.0000
L27	35	PL 4.25"x1"	63.25 - 65.00	1.0000	1.0000
L27	49	CCI 8.5" x 1.25" Plate	63.25 - 65.00	1.0000	1.0000
L27	50	CCI 8.5" x 1.25" Plate	63.25 - 65.00	1.0000	1.0000
L27	51	CCI 8.5" x 1.25" Plate	63.25 - 65.00	1.0000	1.0000
L28	1	Safety Line 3/8	63.00 - 63.25	1.0000	1.0000
L28	3	LDF7-50A(1-5/8)	63.00 - 63.25	1.0000	1.0000
L28	4	LDF7-50A(1-5/8)	63.00 - 63.25	1.0000	1.0000
L28	5	WR-VG86ST-BRD(3/4)	63.00 - 63.25	1.0000	1.0000
L28	11	HB158-1-08U8-S8J18(1-5/8)	63.00 - 63.25	1.0000	1.0000
L28	21	AL7-50(1-5/8)	63.00 - 63.25	1.0000	1.0000
L28	25	CU12PSM9P6XXX(1-1/2)	63.00 - 63.25	1.0000	1.0000
L28	33	PL 4.25"x1"	63.00 - 63.25	1.0000	1.0000
L28	34	PL 4.25"x1"	63.00 - 63.25	1.0000	1.0000
L28	35	PL 4.25"x1"	63.00 - 63.25	1.0000	1.0000
L28	49	CCI 8.5" x 1.25" Plate	63.00 - 63.25	1.0000	1.0000
L28	50	CCI 8.5" x 1.25" Plate	63.00 - 63.25	1.0000	1.0000
L28	51	CCI 8.5" x 1.25" Plate	63.00 - 63.25	1.0000	1.0000
L29	1	Safety Line 3/8	58.00 - 63.00	1.0000	1.0000
L29	3	LDF7-50A(1-5/8)	58.00 - 63.00	1.0000	1.0000
L29	4	LDF7-50A(1-5/8)	58.00 - 63.00	1.0000	1.0000
L29	5	WR-VG86ST-BRD(3/4)	58.00 - 63.00	1.0000	1.0000
L29	11	HB158-1-08U8-S8J18(1-5/8)	58.00 - 63.00	1.0000	1.0000
L29	21	AL7-50(1-5/8)	58.00 - 63.00	1.0000	1.0000
L29	25	CU12PSM9P6XXX(1-1/2)	58.00 - 63.00	1.0000	1.0000
L29	33	PL 4.25"x1"	58.00 - 63.00	1.0000	1.0000
L29	34	PL 4.25"x1"	58.00 - 63.00	1.0000	1.0000
L29	35	PL 4.25"x1"	58.00 - 63.00	1.0000	1.0000
L29	49	CCI 8.5" x 1.25" Plate	58.00 - 63.00	1.0000	1.0000
L29	50	CCI 8.5" x 1.25" Plate	58.00 - 63.00	1.0000	1.0000
L29	51	CCI 8.5" x 1.25" Plate	58.00 - 63.00	1.0000	1.0000
L30	1	Safety Line 3/8	49.08 - 58.00	1.0000	1.0000
L30	3	LDF7-50A(1-5/8)	49.08 - 58.00	1.0000	1.0000
L30	4	LDF7-50A(1-5/8)	49.08 - 58.00	1.0000	1.0000
L30	5	WR-VG86ST-BRD(3/4)	49.08 - 58.00	1.0000	1.0000
L30	11	HB158-1-08U8-S8J18(1-5/8)	49.08 - 58.00	1.0000	1.0000
L30	21	AL7-50(1-5/8)	49.08 - 58.00	1.0000	1.0000
L30	25	CU12PSM9P6XXX(1-1/2)	49.08 - 58.00	1.0000	1.0000
L30	33	PL 4.25"x1"	49.08 - 58.00	1.0000	1.0000
L30	34	PL 4.25"x1"	49.08 - 58.00	1.0000	1.0000
L30	35	PL 4.25"x1"	49.08 - 58.00	1.0000	1.0000
L30	49	CCI 8.5" x 1.25" Plate	49.08 - 58.00	1.0000	1.0000
L30	50	CCI 8.5" x 1.25" Plate	49.08 - 58.00	1.0000	1.0000
L30	51	CCI 8.5" x 1.25" Plate	49.08 - 58.00	1.0000	1.0000
L31	1	Safety Line 3/8	48.08 - 49.08	1.0000	1.0000
L31	3	LDF7-50A(1-5/8)	48.08 - 49.08	1.0000	1.0000
L31	4	LDF7-50A(1-5/8)	48.08 - 49.08	1.0000	1.0000
L31	5	WR-VG86ST-BRD(3/4)	48.08 - 49.08	1.0000	1.0000
L31	11	HB158-1-08U8-S8J18(1-5/8)	48.08 - 49.08	1.0000	1.0000
L31	21	AL7-50(1-5/8)	48.08 - 49.08	1.0000	1.0000
L31	25	CU12PSM9P6XXX(1-1/2)	48.08 - 49.08	1.0000	1.0000
L31	33	PL 4.25"x1"	48.08 - 49.08	1.0000	1.0000
L31	34	PL 4.25"x1"	48.08 - 49.08	1.0000	1.0000
L31	35	PL 4.25"x1"	48.08 - 49.08	1.0000	1.0000
L31	49	CCI 8.5" x 1.25" Plate	48.08 - 49.08	1.0000	1.0000
L31	50	CCI 8.5" x 1.25" Plate	48.08 - 49.08	1.0000	1.0000
L31	51	CCI 8.5" x 1.25" Plate	48.08 - 49.08	1.0000	1.0000
L32	1	Safety Line 3/8	43.08 - 48.08	1.0000	1.0000
L32	3	LDF7-50A(1-5/8)	43.08 - 48.08	1.0000	1.0000
L32	4	LDF7-50A(1-5/8)	43.08 - 48.08	1.0000	1.0000
L32	5	WR-VG86ST-BRD(3/4)	43.08 - 48.08	1.0000	1.0000

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L32	11	HB158-1-08U8-S8J18(1-5/8)	43.08 - 48.08	1.0000	1.0000
L32	21	AL7-50(1-5/8)	43.08 - 48.08	1.0000	1.0000
L32	25	CU12PSM9P6XXX(1-1/2)	43.08 - 48.08	1.0000	1.0000
L32	33	PL 4.25"x1"	43.08 - 48.08	1.0000	1.0000
L32	34	PL 4.25"x1"	43.08 - 48.08	1.0000	1.0000
L32	35	PL 4.25"x1"	43.08 - 48.08	1.0000	1.0000
L32	49	CCI 8.5" x 1.25" Plate	43.08 - 48.08	1.0000	1.0000
L32	50	CCI 8.5" x 1.25" Plate	43.08 - 48.08	1.0000	1.0000
L32	51	CCI 8.5" x 1.25" Plate	43.08 - 48.08	1.0000	1.0000
L33	1	Safety Line 3/8	38.42 - 43.08	1.0000	1.0000
L33	3	LDF7-50A(1-5/8)	38.42 - 43.08	1.0000	1.0000
L33	4	LDF7-50A(1-5/8)	38.42 - 43.08	1.0000	1.0000
L33	5	WR-VG86ST-BRD(3/4)	38.42 - 43.08	1.0000	1.0000
L33	11	HB158-1-08U8-S8J18(1-5/8)	38.42 - 43.08	1.0000	1.0000
L33	21	AL7-50(1-5/8)	38.42 - 43.08	1.0000	1.0000
L33	25	CU12PSM9P6XXX(1-1/2)	38.42 - 43.08	1.0000	1.0000
L33	29	PL 6"x1"	38.42 - 40.50	1.0000	1.0000
L33	30	PL 6"x1"	38.42 - 40.50	1.0000	1.0000
L33	31	PL 6"x1"	38.42 - 40.50	1.0000	1.0000
L33	33	PL 4.25"x1"	40.50 - 43.08	1.0000	1.0000
L33	34	PL 4.25"x1"	40.50 - 43.08	1.0000	1.0000
L33	35	PL 4.25"x1"	40.50 - 43.08	1.0000	1.0000
L33	49	CCI 8.5" x 1.25" Plate	38.42 - 43.08	1.0000	1.0000
L33	50	CCI 8.5" x 1.25" Plate	38.42 - 43.08	1.0000	1.0000
L33	51	CCI 8.5" x 1.25" Plate	38.42 - 43.08	1.0000	1.0000
L34	1	Safety Line 3/8	38.17 - 38.42	1.0000	1.0000
L34	3	LDF7-50A(1-5/8)	38.17 - 38.42	1.0000	1.0000
L34	4	LDF7-50A(1-5/8)	38.17 - 38.42	1.0000	1.0000
L34	5	WR-VG86ST-BRD(3/4)	38.17 - 38.42	1.0000	1.0000
L34	11	HB158-1-08U8-S8J18(1-5/8)	38.17 - 38.42	1.0000	1.0000
L34	21	AL7-50(1-5/8)	38.17 - 38.42	1.0000	1.0000
L34	25	CU12PSM9P6XXX(1-1/2)	38.17 - 38.42	1.0000	1.0000
L34	29	PL 6"x1"	38.17 - 38.42	1.0000	1.0000
L34	30	PL 6"x1"	38.17 - 38.42	1.0000	1.0000
L34	31	PL 6"x1"	38.17 - 38.42	1.0000	1.0000
L34	49	CCI 8.5" x 1.25" Plate	38.17 - 38.42	1.0000	1.0000
L34	50	CCI 8.5" x 1.25" Plate	38.17 - 38.42	1.0000	1.0000
L34	51	CCI 8.5" x 1.25" Plate	38.17 - 38.42	1.0000	1.0000
L35	1	Safety Line 3/8	37.58 - 38.17	1.0000	1.0000
L35	3	LDF7-50A(1-5/8)	37.58 - 38.17	1.0000	1.0000
L35	4	LDF7-50A(1-5/8)	37.58 - 38.17	1.0000	1.0000
L35	5	WR-VG86ST-BRD(3/4)	37.58 - 38.17	1.0000	1.0000
L35	11	HB158-1-08U8-S8J18(1-5/8)	37.58 - 38.17	1.0000	1.0000
L35	21	AL7-50(1-5/8)	37.58 - 38.17	1.0000	1.0000
L35	25	CU12PSM9P6XXX(1-1/2)	37.58 - 38.17	1.0000	1.0000
L35	29	PL 6"x1"	37.58 - 38.17	1.0000	1.0000
L35	30	PL 6"x1"	37.58 - 38.17	1.0000	1.0000
L35	31	PL 6"x1"	37.58 - 38.17	1.0000	1.0000
L35	49	CCI 8.5" x 1.25" Plate	37.58 - 38.17	1.0000	1.0000
L35	50	CCI 8.5" x 1.25" Plate	37.58 - 38.17	1.0000	1.0000
L35	51	CCI 8.5" x 1.25" Plate	37.58 - 38.17	1.0000	1.0000
L36	1	Safety Line 3/8	37.33 - 37.58	1.0000	1.0000
L36	3	LDF7-50A(1-5/8)	37.33 - 37.58	1.0000	1.0000
L36	4	LDF7-50A(1-5/8)	37.33 - 37.58	1.0000	1.0000
L36	5	WR-VG86ST-BRD(3/4)	37.33 - 37.58	1.0000	1.0000
L36	11	HB158-1-08U8-S8J18(1-5/8)	37.33 - 37.58	1.0000	1.0000
L36	21	AL7-50(1-5/8)	37.33 - 37.58	1.0000	1.0000
L36	25	CU12PSM9P6XXX(1-1/2)	37.33 - 37.58	1.0000	1.0000
L36	29	PL 6"x1"	37.33 - 37.58	1.0000	1.0000
L36	30	PL 6"x1"	37.33 - 37.58	1.0000	1.0000
L36	31	PL 6"x1"	37.33 - 37.58	1.0000	1.0000
L36	49	CCI 8.5" x 1.25" Plate	37.33 - 37.58	1.0000	1.0000

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L36	50	CCI 8.5" x 1.25" Plate	37.33 - 37.58	1.0000	1.0000
L36	51	CCI 8.5" x 1.25" Plate	37.33 - 37.58	1.0000	1.0000
L37	1	Safety Line 3/8	35.75 - 37.33	1.0000	1.0000
L37	3	LDF7-50A(1-5/8)	35.75 - 37.33	1.0000	1.0000
L37	4	LDF7-50A(1-5/8)	35.75 - 37.33	1.0000	1.0000
L37	5	WR-VG86ST-BRD(3/4)	35.75 - 37.33	1.0000	1.0000
L37	11	HB158-1-08U8-S8J18(1-5/8)	35.75 - 37.33	1.0000	1.0000
L37	21	AL7-50(1-5/8)	35.75 - 37.33	1.0000	1.0000
L37	25	CU12PSM9P6XXX(1-1/2)	35.75 - 37.33	1.0000	1.0000
L37	29	PL 6'x1"	35.75 - 37.33	1.0000	1.0000
L37	30	PL 6'x1"	35.75 - 37.33	1.0000	1.0000
L37	31	PL 6'x1"	35.75 - 37.33	1.0000	1.0000
L37	49	CCI 8.5" x 1.25" Plate	35.75 - 37.33	1.0000	1.0000
L37	50	CCI 8.5" x 1.25" Plate	35.75 - 37.33	1.0000	1.0000
L37	51	CCI 8.5" x 1.25" Plate	35.75 - 37.33	1.0000	1.0000
L38	1	Safety Line 3/8	35.50 - 35.75	1.0000	1.0000
L38	3	LDF7-50A(1-5/8)	35.50 - 35.75	1.0000	1.0000
L38	4	LDF7-50A(1-5/8)	35.50 - 35.75	1.0000	1.0000
L38	5	WR-VG86ST-BRD(3/4)	35.50 - 35.75	1.0000	1.0000
L38	11	HB158-1-08U8-S8J18(1-5/8)	35.50 - 35.75	1.0000	1.0000
L38	21	AL7-50(1-5/8)	35.50 - 35.75	1.0000	1.0000
L38	25	CU12PSM9P6XXX(1-1/2)	35.50 - 35.75	1.0000	1.0000
L38	29	PL 6'x1"	35.50 - 35.75	1.0000	1.0000
L38	30	PL 6'x1"	35.50 - 35.75	1.0000	1.0000
L38	31	PL 6'x1"	35.50 - 35.75	1.0000	1.0000
L38	49	CCI 8.5" x 1.25" Plate	35.50 - 35.75	1.0000	1.0000
L38	50	CCI 8.5" x 1.25" Plate	35.50 - 35.75	1.0000	1.0000
L38	51	CCI 8.5" x 1.25" Plate	35.50 - 35.75	1.0000	1.0000
L39	1	Safety Line 3/8	30.50 - 35.50	1.0000	1.0000
L39	3	LDF7-50A(1-5/8)	30.50 - 35.50	1.0000	1.0000
L39	4	LDF7-50A(1-5/8)	30.50 - 35.50	1.0000	1.0000
L39	5	WR-VG86ST-BRD(3/4)	30.50 - 35.50	1.0000	1.0000
L39	11	HB158-1-08U8-S8J18(1-5/8)	30.50 - 35.50	1.0000	1.0000
L39	21	AL7-50(1-5/8)	30.50 - 35.50	1.0000	1.0000
L39	25	CU12PSM9P6XXX(1-1/2)	30.50 - 35.50	1.0000	1.0000
L39	29	PL 6'x1"	30.50 - 35.50	1.0000	1.0000
L39	30	PL 6'x1"	30.50 - 35.50	1.0000	1.0000
L39	31	PL 6'x1"	30.50 - 35.50	1.0000	1.0000
L39	49	CCI 8.5" x 1.25" Plate	32.00 - 35.50	1.0000	1.0000
L39	50	CCI 8.5" x 1.25" Plate	32.00 - 35.50	1.0000	1.0000
L39	51	CCI 8.5" x 1.25" Plate	32.00 - 35.50	1.0000	1.0000
L40	1	Safety Line 3/8	25.50 - 30.50	1.0000	1.0000
L40	3	LDF7-50A(1-5/8)	25.50 - 30.50	1.0000	1.0000
L40	4	LDF7-50A(1-5/8)	25.50 - 30.50	1.0000	1.0000
L40	5	WR-VG86ST-BRD(3/4)	25.50 - 30.50	1.0000	1.0000
L40	11	HB158-1-08U8-S8J18(1-5/8)	25.50 - 30.50	1.0000	1.0000
L40	21	AL7-50(1-5/8)	25.50 - 30.50	1.0000	1.0000
L40	25	CU12PSM9P6XXX(1-1/2)	25.50 - 30.50	1.0000	1.0000
L40	29	PL 6'x1"	25.50 - 30.50	1.0000	1.0000
L40	30	PL 6'x1"	25.50 - 30.50	1.0000	1.0000
L40	31	PL 6'x1"	25.50 - 30.50	1.0000	1.0000
L41	1	Safety Line 3/8	20.50 - 25.50	1.0000	1.0000
L41	3	LDF7-50A(1-5/8)	20.50 - 25.50	1.0000	1.0000
L41	4	LDF7-50A(1-5/8)	20.50 - 25.50	1.0000	1.0000
L41	5	WR-VG86ST-BRD(3/4)	20.50 - 25.50	1.0000	1.0000
L41	11	HB158-1-08U8-S8J18(1-5/8)	20.50 - 25.50	1.0000	1.0000
L41	21	AL7-50(1-5/8)	20.50 - 25.50	1.0000	1.0000
L41	25	CU12PSM9P6XXX(1-1/2)	20.50 - 25.50	1.0000	1.0000
L41	29	PL 6'x1"	20.50 - 25.50	1.0000	1.0000
L41	30	PL 6'x1"	20.50 - 25.50	1.0000	1.0000
L41	31	PL 6'x1"	20.50 - 25.50	1.0000	1.0000
L42	1	Safety Line 3/8	15.50 - 20.50	1.0000	1.0000

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L42	3	LDF7-50A(1-5/8)	15.50 - 20.50	1.0000	1.0000
L42	4	LDF7-50A(1-5/8)	15.50 - 20.50	1.0000	1.0000
L42	5	WR-VG86ST-BRD(3/4)	15.50 - 20.50	1.0000	1.0000
L42	11	HB158-1-08U8-S8J18(1-5/8)	15.50 - 20.50	1.0000	1.0000
L42	21	AL7-50(1-5/8)	15.50 - 20.50	1.0000	1.0000
L42	25	CU12PSM9P6XXX(1-1/2)	15.50 - 20.50	1.0000	1.0000
L42	29	PL 6'x1"	15.50 - 20.50	1.0000	1.0000
L42	30	PL 6'x1"	15.50 - 20.50	1.0000	1.0000
L42	31	PL 6'x1"	15.50 - 20.50	1.0000	1.0000
L43	1	Safety Line 3/8	10.50 - 15.50	1.0000	1.0000
L43	3	LDF7-50A(1-5/8)	10.50 - 15.50	1.0000	1.0000
L43	4	LDF7-50A(1-5/8)	10.50 - 15.50	1.0000	1.0000
L43	5	WR-VG86ST-BRD(3/4)	10.50 - 15.50	1.0000	1.0000
L43	11	HB158-1-08U8-S8J18(1-5/8)	10.50 - 15.50	1.0000	1.0000
L43	21	AL7-50(1-5/8)	10.50 - 15.50	1.0000	1.0000
L43	25	CU12PSM9P6XXX(1-1/2)	10.50 - 15.50	1.0000	1.0000
L43	29	PL 6'x1"	10.50 - 15.50	1.0000	1.0000
L43	30	PL 6'x1"	10.50 - 15.50	1.0000	1.0000
L43	31	PL 6'x1"	10.50 - 15.50	1.0000	1.0000
L44	1	Safety Line 3/8	5.50 - 10.50	1.0000	1.0000
L44	3	LDF7-50A(1-5/8)	5.50 - 10.50	1.0000	1.0000
L44	4	LDF7-50A(1-5/8)	5.50 - 10.50	1.0000	1.0000
L44	5	WR-VG86ST-BRD(3/4)	5.50 - 10.50	1.0000	1.0000
L44	11	HB158-1-08U8-S8J18(1-5/8)	5.50 - 10.50	1.0000	1.0000
L44	21	AL7-50(1-5/8)	5.50 - 10.50	1.0000	1.0000
L44	25	CU12PSM9P6XXX(1-1/2)	5.50 - 10.50	1.0000	1.0000
L44	29	PL 6'x1"	5.50 - 10.50	1.0000	1.0000
L44	30	PL 6'x1"	5.50 - 10.50	1.0000	1.0000
L44	31	PL 6'x1"	5.50 - 10.50	1.0000	1.0000
L45	1	Safety Line 3/8	0.50 - 5.50	1.0000	1.0000
L45	3	LDF7-50A(1-5/8)	0.50 - 5.50	1.0000	1.0000
L45	4	LDF7-50A(1-5/8)	0.50 - 5.50	1.0000	1.0000
L45	5	WR-VG86ST-BRD(3/4)	0.50 - 5.50	1.0000	1.0000
L45	11	HB158-1-08U8-S8J18(1-5/8)	0.50 - 5.50	1.0000	1.0000
L45	21	AL7-50(1-5/8)	0.50 - 5.50	1.0000	1.0000
L45	25	CU12PSM9P6XXX(1-1/2)	0.50 - 5.50	1.0000	1.0000
L45	29	PL 6'x1"	0.50 - 5.50	1.0000	1.0000
L45	30	PL 6'x1"	0.50 - 5.50	1.0000	1.0000
L45	31	PL 6'x1"	0.50 - 5.50	1.0000	1.0000
L46	1	Safety Line 3/8	0.00 - 0.50	1.0000	1.0000
L46	3	LDF7-50A(1-5/8)	0.00 - 0.50	1.0000	1.0000
L46	4	LDF7-50A(1-5/8)	0.00 - 0.50	1.0000	1.0000
L46	5	WR-VG86ST-BRD(3/4)	0.00 - 0.50	1.0000	1.0000
L46	11	HB158-1-08U8-S8J18(1-5/8)	0.00 - 0.50	1.0000	1.0000
L46	21	AL7-50(1-5/8)	0.00 - 0.50	1.0000	1.0000
L46	25	CU12PSM9P6XXX(1-1/2)	0.00 - 0.50	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L1	45	MC10x28.5	158.83 - 160.00	Auto	1.0000

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L1	46	MC10x28.5	158.83 - 160.00	Auto	1.0000
L1	47	MC10x28.5	158.83 - 160.00	Auto	1.0000
L9	41	PL 4.25"x1"	120.00 - 121.25	Auto	0.0000
L9	42	PL 4.25"x1"	120.00 - 121.25	Auto	0.0000
L9	43	PL 4.25"x1"	120.00 - 121.25	Auto	0.0000
L10	41	PL 4.25"x1"	119.58 - 120.00	Auto	0.0000
L10	42	PL 4.25"x1"	119.58 - 120.00	Auto	0.0000
L10	43	PL 4.25"x1"	119.58 - 120.00	Auto	0.0000
L11	41	PL 4.25"x1"	119.33 - 119.58	Auto	0.0000
L11	42	PL 4.25"x1"	119.33 - 119.58	Auto	0.0000
L11	43	PL 4.25"x1"	119.33 - 119.58	Auto	0.0000
L12	41	PL 4.25"x1"	114.33 - 119.33	Auto	0.0000
L12	42	PL 4.25"x1"	114.33 - 119.33	Auto	0.0000
L12	43	PL 4.25"x1"	114.33 - 119.33	Auto	0.0000
L13	37	PL 4.25"x1"	111.83 - 113.50	Auto	0.0000
L13	38	PL 4.25"x1"	111.83 - 113.50	Auto	0.0000
L13	39	PL 4.25"x1"	111.83 - 113.50	Auto	0.0000
L13	41	PL 4.25"x1"	111.83 - 114.33	Auto	0.0000
L13	42	PL 4.25"x1"	111.83 - 114.33	Auto	0.0000
L13	43	PL 4.25"x1"	111.83 - 114.33	Auto	0.0000
L14	37	PL 4.25"x1"	111.58 - 111.83	Auto	0.0000
L14	38	PL 4.25"x1"	111.58 - 111.83	Auto	0.0000
L14	39	PL 4.25"x1"	111.58 - 111.83	Auto	0.0000
L14	41	PL 4.25"x1"	111.58 - 111.83	Auto	0.0000
L14	42	PL 4.25"x1"	111.58 - 111.83	Auto	0.0000
L14	43	PL 4.25"x1"	111.58 - 111.83	Auto	0.0000
L15	37	PL 4.25"x1"	106.58 - 111.58	Auto	0.0000
L15	38	PL 4.25"x1"	106.58 - 111.58	Auto	0.0000
L15	39	PL 4.25"x1"	106.58 - 111.58	Auto	0.0000
L15	41	PL 4.25"x1"	110.50 - 111.58	Auto	0.0000
L15	42	PL 4.25"x1"	110.50 -	Auto	0.0000

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L15	43	PL 4.25"x1"	111.58 110.50 - 111.58	Auto	0.0000
L16	37	PL 4.25"x1"	97.17 - 106.58	Auto	0.0000
L16	38	PL 4.25"x1"	97.17 - 106.58	Auto	0.0000
L16	39	PL 4.25"x1"	97.17 - 106.58	Auto	0.0000
L17	37	PL 4.25"x1"	97.00 - 97.17	Auto	0.0000
L17	38	PL 4.25"x1"	97.00 - 97.17	Auto	0.0000
L17	39	PL 4.25"x1"	97.00 - 97.17	Auto	0.0000
L18	37	PL 4.25"x1"	92.00 - 97.00	Auto	0.0000
L18	38	PL 4.25"x1"	92.00 - 97.00	Auto	0.0000
L18	39	PL 4.25"x1"	92.00 - 97.00	Auto	0.0000
L19	37	PL 4.25"x1"	87.00 - 92.00	Auto	0.0000
L19	38	PL 4.25"x1"	87.00 - 92.00	Auto	0.0000
L19	39	PL 4.25"x1"	87.00 - 92.00	Auto	0.0000
L20	37	PL 4.25"x1"	82.00 - 87.00	Auto	0.0000
L20	38	PL 4.25"x1"	82.00 - 87.00	Auto	0.0000
L20	39	PL 4.25"x1"	82.00 - 87.00	Auto	0.0000
L20	53	CCI 6.5" x 1.25" Plate	82.00 - 82.08	Auto	0.0000
L20	54	CCI 6.5" x 1.25" Plate	82.00 - 82.08	Auto	0.0000
L20	55	CCI 6.5" x 1.25" Plate	82.00 - 82.08	Auto	0.0000
L21	37	PL 4.25"x1"	79.33 - 82.00	Auto	0.0000
L21	38	PL 4.25"x1"	79.33 - 82.00	Auto	0.0000
L21	39	PL 4.25"x1"	79.33 - 82.00	Auto	0.0000
L21	53	CCI 6.5" x 1.25" Plate	79.33 - 82.00	Auto	0.0000
L21	54	CCI 6.5" x 1.25" Plate	79.33 - 82.00	Auto	0.0000
L21	55	CCI 6.5" x 1.25" Plate	79.33 - 82.00	Auto	0.0000
L22	37	PL 4.25"x1"	79.08 - 79.33	Auto	0.0000
L22	38	PL 4.25"x1"	79.08 - 79.33	Auto	0.0000
L22	39	PL 4.25"x1"	79.08 - 79.33	Auto	0.0000
L22	53	CCI 6.5" x 1.25" Plate	79.08 - 79.33	Auto	0.0000
L22	54	CCI 6.5" x 1.25" Plate	79.08 - 79.33	Auto	0.0000
L22	55	CCI 6.5" x 1.25" Plate	79.08 - 79.33	Auto	0.0000
L23	37	PL 4.25"x1"	75.25 - 79.08	Auto	0.0000
L23	38	PL 4.25"x1"	75.25 - 79.08	Auto	0.0000
L23	39	PL 4.25"x1"	75.25 - 79.08	Auto	0.0000
L23	53	CCI 6.5" x 1.25" Plate	75.25 - 79.08	Auto	0.0000
L23	54	CCI 6.5" x 1.25" Plate	75.25 - 79.08	Auto	0.0000
L23	55	CCI 6.5" x 1.25" Plate	75.25 - 79.08	Auto	0.0000
L24	37	PL 4.25"x1"	75.00 - 75.25	Auto	0.0000
L24	38	PL 4.25"x1"	75.00 - 75.25	Auto	0.0000
L24	39	PL 4.25"x1"	75.00 - 75.25	Auto	0.0000
L24	53	CCI 6.5" x 1.25" Plate	75.00 - 75.25	Auto	0.0000
L24	54	CCI 6.5" x 1.25" Plate	75.00 - 75.25	Auto	0.0000
L24	55	CCI 6.5" x 1.25" Plate	75.00 - 75.25	Auto	0.0000
L25	33	PL 4.25"x1"	70.00 - 73.50	Auto	0.0000
L25	34	PL 4.25"x1"	70.00 - 73.50	Auto	0.0000
L25	35	PL 4.25"x1"	70.00 - 73.50	Auto	0.0000
L25	37	PL 4.25"x1"	73.50 - 75.00	Auto	0.0000
L25	38	PL 4.25"x1"	73.50 - 75.00	Auto	0.0000
L25	39	PL 4.25"x1"	73.50 - 75.00	Auto	0.0000
L25	53	CCI 6.5" x 1.25" Plate	70.00 - 75.00	Auto	0.0000
L25	54	CCI 6.5" x 1.25" Plate	70.00 - 75.00	Auto	0.0000
L25	55	CCI 6.5" x 1.25" Plate	70.00 - 75.00	Auto	0.0000
L26	33	PL 4.25"x1"	65.00 - 70.00	Auto	0.0000
L26	34	PL 4.25"x1"	65.00 - 70.00	Auto	0.0000
L26	35	PL 4.25"x1"	65.00 - 70.00	Auto	0.0000
L26	49	CCI 8.5" x 1.25" Plate	65.00 - 67.00	Auto	0.0613
L26	50	CCI 8.5" x 1.25" Plate	65.00 - 67.00	Auto	0.0613
L26	51	CCI 8.5" x 1.25" Plate	65.00 - 67.00	Auto	0.0613
L26	53	CCI 6.5" x 1.25" Plate	67.08 - 70.00	Auto	0.0000

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L26	54	CCI 6.5" x 1.25" Plate	67.08 - 70.00	Auto	0.0000
L26	55	CCI 6.5" x 1.25" Plate	67.08 - 70.00	Auto	0.0000
L27	33	PL 4.25"x1"	63.25 - 65.00	Auto	0.0000
L27	34	PL 4.25"x1"	63.25 - 65.00	Auto	0.0000
L27	35	PL 4.25"x1"	63.25 - 65.00	Auto	0.0000
L27	49	CCI 8.5" x 1.25" Plate	63.25 - 65.00	Auto	0.0492
L27	50	CCI 8.5" x 1.25" Plate	63.25 - 65.00	Auto	0.0492
L27	51	CCI 8.5" x 1.25" Plate	63.25 - 65.00	Auto	0.0492
L28	33	PL 4.25"x1"	63.00 - 63.25	Auto	0.0000
L28	34	PL 4.25"x1"	63.00 - 63.25	Auto	0.0000
L28	35	PL 4.25"x1"	63.00 - 63.25	Auto	0.0000
L28	49	CCI 8.5" x 1.25" Plate	63.00 - 63.25	Auto	0.0664
L28	50	CCI 8.5" x 1.25" Plate	63.00 - 63.25	Auto	0.0664
L28	51	CCI 8.5" x 1.25" Plate	63.00 - 63.25	Auto	0.0664
L29	33	PL 4.25"x1"	58.00 - 63.00	Auto	0.0000
L29	34	PL 4.25"x1"	58.00 - 63.00	Auto	0.0000
L29	35	PL 4.25"x1"	58.00 - 63.00	Auto	0.0000
L29	49	CCI 8.5" x 1.25" Plate	58.00 - 63.00	Auto	0.0455
L29	50	CCI 8.5" x 1.25" Plate	58.00 - 63.00	Auto	0.0455
L29	51	CCI 8.5" x 1.25" Plate	58.00 - 63.00	Auto	0.0455
L30	33	PL 4.25"x1"	49.08 - 58.00	Auto	0.0000
L30	34	PL 4.25"x1"	49.08 - 58.00	Auto	0.0000
L30	35	PL 4.25"x1"	49.08 - 58.00	Auto	0.0000
L30	49	CCI 8.5" x 1.25" Plate	49.08 - 58.00	Auto	0.0056
L30	50	CCI 8.5" x 1.25" Plate	49.08 - 58.00	Auto	0.0056
L30	51	CCI 8.5" x 1.25" Plate	49.08 - 58.00	Auto	0.0056
L31	33	PL 4.25"x1"	48.08 - 49.08	Auto	0.0000
L31	34	PL 4.25"x1"	48.08 - 49.08	Auto	0.0000
L31	35	PL 4.25"x1"	48.08 - 49.08	Auto	0.0000
L31	49	CCI 8.5" x 1.25" Plate	48.08 - 49.08	Auto	0.0097
L31	50	CCI 8.5" x 1.25" Plate	48.08 - 49.08	Auto	0.0097
L31	51	CCI 8.5" x 1.25" Plate	48.08 - 49.08	Auto	0.0097
L32	33	PL 4.25"x1"	43.08 - 48.08	Auto	0.0000
L32	34	PL 4.25"x1"	43.08 - 48.08	Auto	0.0000
L32	35	PL 4.25"x1"	43.08 - 48.08	Auto	0.0000
L32	49	CCI 8.5" x 1.25" Plate	43.08 - 48.08	Auto	0.0001
L32	50	CCI 8.5" x 1.25" Plate	43.08 - 48.08	Auto	0.0001
L32	51	CCI 8.5" x 1.25" Plate	43.08 - 48.08	Auto	0.0001
L33	29	PL 6'x1"	38.42 - 40.50	Auto	0.0000
L33	30	PL 6'x1"	38.42 - 40.50	Auto	0.0000
L33	31	PL 6'x1"	38.42 - 40.50	Auto	0.0000
L33	33	PL 4.25"x1"	40.50 - 43.08	Auto	0.0000
L33	34	PL 4.25"x1"	40.50 - 43.08	Auto	0.0000
L33	35	PL 4.25"x1"	40.50 - 43.08	Auto	0.0000
L33	49	CCI 8.5" x 1.25" Plate	38.42 - 43.08	Auto	0.0000
L33	50	CCI 8.5" x 1.25" Plate	38.42 - 43.08	Auto	0.0000
L33	51	CCI 8.5" x 1.25" Plate	38.42 - 43.08	Auto	0.0000
L34	29	PL 6'x1"	38.17 - 38.42	Auto	0.0000
L34	30	PL 6'x1"	38.17 - 38.42	Auto	0.0000
L34	31	PL 6'x1"	38.17 - 38.42	Auto	0.0000
L34	49	CCI 8.5" x 1.25" Plate	38.17 - 38.42	Auto	0.0000
L34	50	CCI 8.5" x 1.25" Plate	38.17 - 38.42	Auto	0.0000
L34	51	CCI 8.5" x 1.25" Plate	38.17 - 38.42	Auto	0.0000
L35	29	PL 6'x1"	37.58 - 38.17	Auto	0.0000
L35	30	PL 6'x1"	37.58 - 38.17	Auto	0.0000
L35	31	PL 6'x1"	37.58 - 38.17	Auto	0.0000
L35	49	CCI 8.5" x 1.25" Plate	37.58 - 38.17	Auto	0.0000
L35	50	CCI 8.5" x 1.25" Plate	37.58 - 38.17	Auto	0.0000
L35	51	CCI 8.5" x 1.25" Plate	37.58 - 38.17	Auto	0.0000
L36	29	PL 6'x1"	37.33 - 37.58	Auto	0.0000
L36	30	PL 6'x1"	37.33 - 37.58	Auto	0.0000

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L36	31	PL 6'x1"	37.33 - 37.58	Auto	0.0000
L36	49	CCI 8.5" x 1.25" Plate	37.33 - 37.58	Auto	0.0000
L36	50	CCI 8.5" x 1.25" Plate	37.33 - 37.58	Auto	0.0000
L36	51	CCI 8.5" x 1.25" Plate	37.33 - 37.58	Auto	0.0000
L37	29	PL 6'x1"	35.75 - 37.33	Auto	0.0000
L37	30	PL 6'x1"	35.75 - 37.33	Auto	0.0000
L37	31	PL 6'x1"	35.75 - 37.33	Auto	0.0000
L37	49	CCI 8.5" x 1.25" Plate	35.75 - 37.33	Auto	0.0000
L37	50	CCI 8.5" x 1.25" Plate	35.75 - 37.33	Auto	0.0000
L37	51	CCI 8.5" x 1.25" Plate	35.75 - 37.33	Auto	0.0000
L38	29	PL 6'x1"	35.50 - 35.75	Auto	0.0000
L38	30	PL 6'x1"	35.50 - 35.75	Auto	0.0000
L38	31	PL 6'x1"	35.50 - 35.75	Auto	0.0000
L38	49	CCI 8.5" x 1.25" Plate	35.50 - 35.75	Auto	0.0000
L38	50	CCI 8.5" x 1.25" Plate	35.50 - 35.75	Auto	0.0000
L38	51	CCI 8.5" x 1.25" Plate	35.50 - 35.75	Auto	0.0000
L39	29	PL 6'x1"	30.50 - 35.50	Auto	0.0000
L39	30	PL 6'x1"	30.50 - 35.50	Auto	0.0000
L39	31	PL 6'x1"	30.50 - 35.50	Auto	0.0000
L39	49	CCI 8.5" x 1.25" Plate	32.00 - 35.50	Auto	0.0000
L39	50	CCI 8.5" x 1.25" Plate	32.00 - 35.50	Auto	0.0000
L39	51	CCI 8.5" x 1.25" Plate	32.00 - 35.50	Auto	0.0000
L40	29	PL 6'x1"	25.50 - 30.50	Auto	0.0000
L40	30	PL 6'x1"	25.50 - 30.50	Auto	0.0000
L40	31	PL 6'x1"	25.50 - 30.50	Auto	0.0000
L41	29	PL 6'x1"	20.50 - 25.50	Auto	0.0000
L41	30	PL 6'x1"	20.50 - 25.50	Auto	0.0000
L41	31	PL 6'x1"	20.50 - 25.50	Auto	0.0000
L42	29	PL 6'x1"	15.50 - 20.50	Auto	0.0000
L42	30	PL 6'x1"	15.50 - 20.50	Auto	0.0000
L42	31	PL 6'x1"	15.50 - 20.50	Auto	0.0000
L43	29	PL 6'x1"	10.50 - 15.50	Auto	0.0000
L43	30	PL 6'x1"	10.50 - 15.50	Auto	0.0000
L43	31	PL 6'x1"	10.50 - 15.50	Auto	0.0000
L44	29	PL 6'x1"	5.50 - 10.50	Auto	0.0000
L44	30	PL 6'x1"	5.50 - 10.50	Auto	0.0000
L44	31	PL 6'x1"	5.50 - 10.50	Auto	0.0000
L45	29	PL 6'x1"	0.50 - 5.50	Auto	0.0000
L45	30	PL 6'x1"	0.50 - 5.50	Auto	0.0000
L45	31	PL 6'x1"	0.50 - 5.50	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft²	C _A A _A Side ft²	Weight K
7770.00 w/ Mount Pipe	A	From Leg	4.000	0.000	161.000	No Ice	5.746	4.254	0.055
			0.000			1/2" Ice	6.179	5.014	0.103
			0.000			1" Ice	6.607	5.711	0.157
						2" Ice	7.488	7.155	0.287

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	Crown Castle						JD Prabhu		

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
7770.00 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	161.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.746 6.179 6.607 7.488	4.254 5.014 5.711 7.155	0.055 0.103 0.157 0.287
7770.00 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	161.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.746 6.179 6.607 7.488	4.254 5.014 5.711 7.155	0.055 0.103 0.157 0.287
HPA-65R-BUU-H8 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	161.000	No Ice 1/2" Ice 1" Ice 2" Ice	12.250 13.190 14.160 16.140	8.330 9.230 10.150 12.050	0.105 0.194 0.297 0.543
HPA-65R-BUU-H8 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	161.000	No Ice 1/2" Ice 1" Ice 2" Ice	12.250 13.190 14.160 16.140	8.330 9.230 10.150 12.050	0.105 0.194 0.297 0.543
HPA-65R-BUU-H8 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	161.000	No Ice 1/2" Ice 1" Ice 2" Ice	12.250 13.190 14.160 16.140	8.330 9.230 10.150 12.050	0.105 0.194 0.297 0.543
TPA-65R-LCUUUU-H8 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	161.000	No Ice 1/2" Ice 1" Ice 2" Ice	11.850 12.770 13.710 15.640	8.990 9.880 10.790 12.660	0.115 0.210 0.319 0.580
TPA-65R-LCUUUU-H8 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	161.000	No Ice 1/2" Ice 1" Ice 2" Ice	11.850 12.770 13.710 15.640	8.990 9.880 10.790 12.660	0.115 0.210 0.319 0.580
TPA-65R-LCUUUU-H8 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	161.000	No Ice 1/2" Ice 1" Ice 2" Ice	11.850 12.770 13.710 15.640	8.990 9.880 10.790 12.660	0.115 0.210 0.319 0.580
RRUS 11	A	From Leg	4.000 0.000 0.000	0.000	161.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.784 2.992 3.207 3.658	1.187 1.334 1.490 1.833	0.048 0.068 0.092 0.150
RRUS 11	B	From Leg	4.000 0.000 0.000	0.000	161.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.784 2.992 3.207 3.658	1.187 1.334 1.490 1.833	0.048 0.068 0.092 0.150
RRUS 11	C	From Leg	4.000 0.000 0.000	0.000	161.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.784 2.992 3.207 3.658	1.187 1.334 1.490 1.833	0.048 0.068 0.092 0.150
RRUS 11 B12	A	From Leg	4.000 0.000 0.000	0.000	161.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.833 3.043 3.259 3.715	1.182 1.330 1.485 1.826	0.051 0.072 0.095 0.153
RRUS 11 B12	B	From Leg	4.000 0.000 0.000	0.000	161.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.833 3.043 3.259 3.715	1.182 1.330 1.485 1.826	0.051 0.072 0.095 0.153
RRUS 11 B12	C	From Leg	4.000 0.000 0.000	0.000	161.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.833 3.043 3.259 3.715	1.182 1.330 1.485 1.826	0.051 0.072 0.095 0.153
RRUS 32	A	From Leg	4.000	0.000	161.000	No Ice	2.857	1.777	0.055

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.000			1/2" Ice	3.083	1.968	0.077
			0.000			1" Ice	3.316	2.166	0.103
						2" Ice	3.805	2.583	0.165
RRUS 32	B	From Leg	4.000	0.000	161.000	No Ice	2.857	1.777	0.055
			0.000			1/2" Ice	3.083	1.968	0.077
			0.000			1" Ice	3.316	2.166	0.103
						2" Ice	3.805	2.583	0.165
RRUS 32	C	From Leg	4.000	0.000	161.000	No Ice	2.857	1.777	0.055
			0.000			1/2" Ice	3.083	1.968	0.077
			0.000			1" Ice	3.316	2.166	0.103
						2" Ice	3.805	2.583	0.165
RRUS 32 B2	A	From Leg	4.000	0.000	161.000	No Ice	2.731	1.668	0.053
			0.000			1/2" Ice	2.953	1.855	0.074
			0.000			1" Ice	3.182	2.049	0.098
						2" Ice	3.663	2.458	0.157
RRUS 32 B2	B	From Leg	4.000	0.000	161.000	No Ice	2.731	1.668	0.053
			0.000			1/2" Ice	2.953	1.855	0.074
			0.000			1" Ice	3.182	2.049	0.098
						2" Ice	3.663	2.458	0.157
RRUS 32 B2	C	From Leg	4.000	0.000	161.000	No Ice	2.731	1.668	0.053
			0.000			1/2" Ice	2.953	1.855	0.074
			0.000			1" Ice	3.182	2.049	0.098
						2" Ice	3.663	2.458	0.157
DC6-48-60-18-8F	A	From Leg	4.000	0.000	161.000	No Ice	1.212	1.212	0.033
			0.000			1/2" Ice	1.892	1.892	0.055
			0.000			1" Ice	2.105	2.105	0.080
						2" Ice	2.570	2.570	0.138
DC6-48-60-18-8F	B	From Leg	4.000	0.000	161.000	No Ice	1.212	1.212	0.033
			0.000			1/2" Ice	1.892	1.892	0.055
			0.000			1" Ice	2.105	2.105	0.080
						2" Ice	2.570	2.570	0.138
(3) 5' x 2" Pipe Mount	A	From Leg	4.000	0.000	161.000	No Ice	1.188	1.188	0.018
			0.000			1/2" Ice	1.496	1.496	0.027
			0.000			1" Ice	1.807	1.807	0.040
						2" Ice	2.458	2.458	0.076
(3) 5' x 2" Pipe Mount	B	From Leg	4.000	0.000	161.000	No Ice	1.188	1.188	0.018
			0.000			1/2" Ice	1.496	1.496	0.027
			0.000			1" Ice	1.807	1.807	0.040
						2" Ice	2.458	2.458	0.076
(3) 5' x 2" Pipe Mount	C	From Leg	4.000	0.000	161.000	No Ice	1.188	1.188	0.018
			0.000			1/2" Ice	1.496	1.496	0.027
			0.000			1" Ice	1.807	1.807	0.040
						2" Ice	2.458	2.458	0.076
Platform Mount [LP 303-1_HR-1]	C	None		0.000	161.000	No Ice	17.090	17.090	1.495
						1/2" Ice	21.470	21.470	1.881
						1" Ice	25.720	25.720	2.346
						2" Ice	33.960	33.960	3.518
*									
BXA-80063/4CF w/ Mount Pipe	A	From Leg	4.000	0.000	149.000	No Ice	4.830	3.650	0.028
			0.000			1/2" Ice	5.350	4.140	0.065
			1.000			1" Ice	5.880	4.640	0.109
						2" Ice	6.980	5.700	0.222
BXA-70080/4CF w/ Mount Pipe	B	From Leg	4.000	0.000	149.000	No Ice	4.991	3.997	0.031
			0.000			1/2" Ice	5.373	4.611	0.075
			1.000			1" Ice	5.763	5.232	0.125
						2" Ice	6.569	6.504	0.245
BXA-70080/4CF w/ Mount	C	From Leg	4.000	0.000	149.000	No Ice	4.991	3.997	0.031

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			JD Prabhu

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
Pipe			0.000 1.000			1/2" Ice 1" Ice 2" Ice	5.373 5.763 6.569	4.611 5.232 6.504	0.075 0.125 0.245
NHH-65B-R2B w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	149.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.480 4.880 5.700	3.290 3.670 4.060 4.860	0.069 0.132 0.205 0.385
NHH-65B-R2B w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	149.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.480 4.880 5.700	3.290 3.670 4.060 4.860	0.069 0.132 0.205 0.385
NHH-65B-R2B w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	149.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.480 4.880 5.700	3.290 3.670 4.060 4.860	0.069 0.132 0.205 0.385
NHHSS-65B-R2B w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	149.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.890 4.270 4.650 5.430	3.140 3.500 3.870 4.630	0.091 0.154 0.227 0.407
NHHSS-65B-R2B w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	149.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.890 4.270 4.650 5.430	3.140 3.500 3.870 4.630	0.091 0.154 0.227 0.407
NHHSS-65B-R2B w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	149.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.890 4.270 4.650 5.430	3.140 3.500 3.870 4.630	0.091 0.154 0.227 0.407
MT6407-77A w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	149.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.907 5.256 5.615 6.362	2.682 3.145 3.624 4.631	0.096 0.136 0.180 0.288
MT6407-77A w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	149.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.907 5.256 5.615 6.362	2.682 3.145 3.624 4.631	0.096 0.136 0.180 0.288
MT6407-77A w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	149.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.907 5.256 5.615 6.362	2.682 3.145 3.624 4.631	0.096 0.136 0.180 0.288
RF4440D-13A	A	From Leg	4.000 0.000 1.000	0.000	149.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.865 2.035 2.212 2.589	1.129 1.267 1.411 1.723	0.073 0.090 0.110 0.159
RF4440D-13A	B	From Leg	4.000 0.000 1.000	0.000	149.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.865 2.035 2.212 2.589	1.129 1.267 1.411 1.723	0.073 0.090 0.110 0.159
RF4440D-13A	C	From Leg	4.000 0.000 1.000	0.000	149.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.865 2.035 2.212 2.589	1.129 1.267 1.411 1.723	0.073 0.090 0.110 0.159
RF4439D-25A	A	From Leg	4.000 0.000 1.000	0.000	149.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.865 2.035 2.212 2.589	1.252 1.394 1.544 1.866	0.075 0.093 0.114 0.165
RF4439D-25A	B	From Leg	4.000 0.000	0.000	149.000	No Ice 1/2" Ice	1.865 2.035	1.252 1.394	0.075 0.093

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			1.000			1" Ice	2.212	1.544	0.114
						2" Ice	2.589	1.866	0.165
RF4439D-25A	C	From Leg	4.000	0.000	149.000	No Ice	1.865	1.252	0.075
			0.000			1/2" Ice	2.035	1.394	0.093
			1.000			1" Ice	2.212	1.544	0.114
						2" Ice	2.589	1.866	0.165
CBRS RT4401-48A	A	From Leg	4.000	0.000	149.000	No Ice	0.991	0.496	0.019
			0.000			1/2" Ice	1.120	0.596	0.026
			1.000			1" Ice	1.255	0.704	0.036
						2" Ice	1.549	0.942	0.062
CBRS RT4401-48A	B	From Leg	4.000	0.000	149.000	No Ice	0.991	0.496	0.019
			0.000			1/2" Ice	1.120	0.596	0.026
			1.000			1" Ice	1.255	0.704	0.036
						2" Ice	1.549	0.942	0.062
CBRS RT4401-48A	C	From Leg	4.000	0.000	149.000	No Ice	0.991	0.496	0.019
			0.000			1/2" Ice	1.120	0.596	0.026
			1.000			1" Ice	1.255	0.704	0.036
						2" Ice	1.549	0.942	0.062
RRFDC-3315-PF-48	A	From Leg	4.000	0.000	149.000	No Ice	3.364	2.192	0.021
			0.000			1/2" Ice	3.597	2.395	0.050
			1.000			1" Ice	3.838	2.606	0.082
						2" Ice	4.343	3.049	0.158
RRFDC-3315-PF-48	B	From Leg	4.000	0.000	149.000	No Ice	3.364	2.192	0.021
			0.000			1/2" Ice	3.597	2.395	0.050
			1.000			1" Ice	3.838	2.606	0.082
						2" Ice	4.343	3.049	0.158
Site Pro 1 RMQP-4XX	C	None		0.000	149.000	No Ice	16.780	16.780	1.205
						1/2" Ice	19.690	19.690	1.475
						1" Ice	22.790	22.790	1.815
						2" Ice	28.990	28.990	2.495
*									
*									
*									
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.000	0.000	135.000	No Ice	5.190	2.710	0.128
			0.000			1/2" Ice	5.590	3.040	0.174
			2.000			1" Ice	6.020	3.380	0.227
						2" Ice	6.900	4.120	0.354
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.000	0.000	135.000	No Ice	5.190	2.710	0.128
			0.000			1/2" Ice	5.590	3.040	0.174
			2.000			1" Ice	6.020	3.380	0.227
						2" Ice	6.900	4.120	0.354
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.000	0.000	135.000	No Ice	5.190	2.710	0.128
			0.000			1/2" Ice	5.590	3.040	0.174
			2.000			1" Ice	6.020	3.380	0.227
						2" Ice	6.900	4.120	0.354
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	A	From Leg	4.000	0.000	135.000	No Ice	14.690	6.870	0.183
			0.000			1/2" Ice	15.460	7.550	0.311
			2.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	B	From Leg	4.000	0.000	135.000	No Ice	14.690	6.870	0.183
			0.000			1/2" Ice	15.460	7.550	0.311
			2.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	C	From Leg	4.000	0.000	135.000	No Ice	14.690	6.870	0.183
			0.000			1/2" Ice	15.460	7.550	0.311
			2.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782

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	Crown Castle	JD Prabhu

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
RADIO 4460 B2/B25 B66_TMO	A	From Leg	4.000 0.000 2.000	0.000	135.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.139 2.321 2.511 2.912	1.686 1.850 2.022 2.387	0.109 0.131 0.156 0.217
RADIO 4460 B2/B25 B66_TMO	B	From Leg	4.000 0.000 2.000	0.000	135.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.139 2.321 2.511 2.912	1.686 1.850 2.022 2.387	0.109 0.131 0.156 0.217
RADIO 4460 B2/B25 B66_TMO	C	From Leg	4.000 0.000 2.000	0.000	135.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.139 2.321 2.511 2.912	1.686 1.850 2.022 2.387	0.109 0.131 0.156 0.217
(2) Radio 4480_TMOV2	A	From Leg	4.000 0.000 2.000	0.000	135.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.878 3.091 3.312 3.775	1.397 1.558 1.727 2.090	0.081 0.103 0.128 0.188
Radio 4480_TMOV2	C	From Leg	4.000 0.000 2.000	0.000	135.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.878 3.091 3.312 3.775	1.397 1.558 1.727 2.090	0.081 0.103 0.128 0.188
8' x 2" Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	135.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.900 2.728 3.401 4.396	1.900 2.728 3.401 4.396	0.029 0.044 0.063 0.119
8' x 2" Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	135.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.900 2.728 3.401 4.396	1.900 2.728 3.401 4.396	0.029 0.044 0.063 0.119
8' x 2" Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	135.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.900 2.728 3.401 4.396	1.900 2.728 3.401 4.396	0.029 0.044 0.063 0.119
Platform Mount [LP 601-1]	C	None		0.000	135.000	No Ice 1/2" Ice 1" Ice 2" Ice	28.500 31.690 34.870 41.230	28.500 31.690 34.870 41.230	1.122 1.676 2.282 3.653
Miscellaneous [NA 510-1]	C	None		0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	6.360 8.520 10.620 14.640	6.360 8.520 10.620 14.640	0.256 0.344 0.459 0.769
(2) L 2.5x2.5x3/16x6'	A	From Leg	3.000 0.000 0.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.500 1.918 2.343 3.215	0.005 0.024 0.049 0.123	0.025 0.034 0.048 0.091
(2) L 2.5x2.5x3/16x6'	B	From Leg	3.000 0.000 0.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.500 1.918 2.343 3.215	0.005 0.024 0.049 0.123	0.025 0.034 0.048 0.091
(2) L 2.5x2.5x3/16x6'	C	From Leg	3.000 0.000 0.000	0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.500 1.918 2.343 3.215	0.005 0.024 0.049 0.123	0.025 0.034 0.048 0.091
Side Arm Mount [SO 102-3]	C	None		0.000	137.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.600 4.180 4.750 5.900	3.600 4.180 4.750 5.900	0.075 0.105 0.135 0.195

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.000	0.000	127.000	No Ice	8.010	4.230	0.108
			0.000			1/2" Ice	8.520	4.690	0.194
			0.000			1" Ice	9.040	5.160	0.292
			0.000			2" Ice	10.110	6.120	0.522
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.000	0.000	127.000	No Ice	8.010	4.230	0.108
			0.000			1/2" Ice	8.520	4.690	0.194
			0.000			1" Ice	9.040	5.160	0.292
			0.000			2" Ice	10.110	6.120	0.522
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.000	0.000	127.000	No Ice	8.010	4.230	0.108
			0.000			1/2" Ice	8.520	4.690	0.194
			0.000			1" Ice	9.040	5.160	0.292
			0.000			2" Ice	10.110	6.120	0.522
TA08025-B604	A	From Leg	4.000	0.000	127.000	No Ice	1.964	0.981	0.064
			0.000			1/2" Ice	2.138	1.112	0.081
			0.000			1" Ice	2.320	1.250	0.100
			0.000			2" Ice	2.705	1.548	0.148
TA08025-B604	B	From Leg	4.000	0.000	127.000	No Ice	1.964	0.981	0.064
			0.000			1/2" Ice	2.138	1.112	0.081
			0.000			1" Ice	2.320	1.250	0.100
			0.000			2" Ice	2.705	1.548	0.148
TA08025-B604	C	From Leg	4.000	0.000	127.000	No Ice	1.964	0.981	0.064
			0.000			1/2" Ice	2.138	1.112	0.081
			0.000			1" Ice	2.320	1.250	0.100
			0.000			2" Ice	2.705	1.548	0.148
TA08025-B605	A	From Leg	4.000	0.000	127.000	No Ice	1.964	1.129	0.075
			0.000			1/2" Ice	2.138	1.267	0.093
			0.000			1" Ice	2.320	1.411	0.114
			0.000			2" Ice	2.705	1.723	0.164
TA08025-B605	B	From Leg	4.000	0.000	127.000	No Ice	1.964	1.129	0.075
			0.000			1/2" Ice	2.138	1.267	0.093
			0.000			1" Ice	2.320	1.411	0.114
			0.000			2" Ice	2.705	1.723	0.164
TA08025-B605	C	From Leg	4.000	0.000	127.000	No Ice	1.964	1.129	0.075
			0.000			1/2" Ice	2.138	1.267	0.093
			0.000			1" Ice	2.320	1.411	0.114
			0.000			2" Ice	2.705	1.723	0.164
RDIDC-9181-PF-48	B	From Leg	4.000	0.000	127.000	No Ice	2.012	1.168	0.022
			0.000			1/2" Ice	2.189	1.311	0.040
			0.000			1" Ice	2.373	1.461	0.060
			0.000			2" Ice	2.763	1.784	0.110
(2) 8' x 2" Mount Pipe	A	From Leg	4.000	0.000	127.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
			0.000			2" Ice	4.396	4.396	0.119
(2) 8' x 2" Mount Pipe	B	From Leg	4.000	0.000	127.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
			0.000			2" Ice	4.396	4.396	0.119
(2) 8' x 2" Mount Pipe	C	From Leg	4.000	0.000	127.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
			0.000			2" Ice	4.396	4.396	0.119
Commscope MC-PK8-DSH	C	None		0.000	127.000	No Ice	34.240	34.240	1.749
						1/2" Ice	62.950	62.950	2.099
						1" Ice	91.660	91.660	2.450
						2" Ice	149.080	149.080	3.151

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	Project		Date
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			Designed by
			JD Prabhu

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	A	From Leg	4.000	0.000	116.000	No Ice	3.140	2.590	0.112
			0.000			1/2" Ice	3.450	2.880	0.164
			1.000			1" Ice	3.770	3.190	0.225
						2" Ice	4.430	3.840	0.375
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	B	From Leg	4.000	0.000	116.000	No Ice	3.140	2.590	0.112
			0.000			1/2" Ice	3.450	2.880	0.164
			1.000			1" Ice	3.770	3.190	0.225
						2" Ice	4.430	3.840	0.375
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	C	From Leg	4.000	0.000	116.000	No Ice	3.140	2.590	0.112
			0.000			1/2" Ice	3.450	2.880	0.164
			1.000			1" Ice	3.770	3.190	0.225
						2" Ice	4.430	3.840	0.375
LNX-6515DS-VTM w/ Mount Pipe	A	From Leg	4.000	0.000	116.000	No Ice	5.310	4.270	0.083
			0.000			1/2" Ice	5.800	4.750	0.165
			1.000			1" Ice	6.300	5.240	0.261
						2" Ice	7.330	6.240	0.495
LNX-6515DS-VTM w/ Mount Pipe	B	From Leg	4.000	0.000	116.000	No Ice	5.310	4.270	0.083
			0.000			1/2" Ice	5.800	4.750	0.165
			1.000			1" Ice	6.300	5.240	0.261
						2" Ice	7.330	6.240	0.495
LNX-6515DS-VTM w/ Mount Pipe	C	From Leg	4.000	0.000	116.000	No Ice	5.310	4.270	0.083
			0.000			1/2" Ice	5.800	4.750	0.165
			1.000			1" Ice	6.300	5.240	0.261
						2" Ice	7.330	6.240	0.495
ERICSSON AIR 21 B4A B2P w/ Mount Pipe	A	From Leg	4.000	0.000	116.000	No Ice	3.140	2.590	0.111
			0.000			1/2" Ice	3.450	2.880	0.163
			1.000			1" Ice	3.770	3.190	0.224
						2" Ice	4.430	3.840	0.374
ERICSSON AIR 21 B4A B2P w/ Mount Pipe	B	From Leg	4.000	0.000	116.000	No Ice	3.140	2.590	0.111
			0.000			1/2" Ice	3.450	2.880	0.163
			1.000			1" Ice	3.770	3.190	0.224
						2" Ice	4.430	3.840	0.374
ERICSSON AIR 21 B4A B2P w/ Mount Pipe	C	From Leg	4.000	0.000	116.000	No Ice	3.140	2.590	0.111
			0.000			1/2" Ice	3.450	2.880	0.163
			1.000			1" Ice	3.770	3.190	0.224
						2" Ice	4.430	3.840	0.374
RRUS 11 B12	A	From Leg	4.000	0.000	116.000	No Ice	2.833	1.182	0.051
			0.000			1/2" Ice	3.043	1.330	0.072
			1.000			1" Ice	3.259	1.485	0.095
						2" Ice	3.715	1.826	0.153
RRUS 11 B12	B	From Leg	4.000	0.000	116.000	No Ice	2.833	1.182	0.051
			0.000			1/2" Ice	3.043	1.330	0.072
			1.000			1" Ice	3.259	1.485	0.095
						2" Ice	3.715	1.826	0.153
RRUS 11 B12	C	From Leg	4.000	0.000	116.000	No Ice	2.833	1.182	0.051
			0.000			1/2" Ice	3.043	1.330	0.072
			1.000			1" Ice	3.259	1.485	0.095
						2" Ice	3.715	1.826	0.153
KRY 112 144/1	A	From Leg	4.000	0.000	116.000	No Ice	0.350	0.175	0.011
			0.000			1/2" Ice	0.426	0.234	0.014
			1.000			1" Ice	0.509	0.301	0.019
						2" Ice	0.698	0.456	0.032
KRY 112 144/1	B	From Leg	4.000	0.000	116.000	No Ice	0.350	0.175	0.011
			0.000			1/2" Ice	0.426	0.234	0.014
			0.000			1" Ice	0.509	0.301	0.019
						2" Ice	0.698	0.456	0.032
KRY 112 144/1	C	From Leg	4.000	0.000	116.000	No Ice	0.350	0.175	0.011

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K	
T-Arm Mount [TA 602-3]	C	None	0.000	0.000	116.000	1/2" Ice	0.426	0.014	
			1.000			1" Ice	0.509	0.019	
						2" Ice	0.698	0.032	
						No Ice	13.400	13.400	0.774
						1/2" Ice	16.440	16.440	1.004
						1" Ice	19.700	19.700	1.292
						2" Ice	25.860	25.860	2.053
*									
KS24019-L112A	C	From Leg	3.000	0.000	47.000	No Ice	0.141	0.005	
			0.000			1/2" Ice	0.198	0.198	0.007
			1.000			1" Ice	0.262	0.262	0.009
						2" Ice	0.415	0.415	0.018
Side Arm Mount [SO 701-1]	C	From Leg	1.000	0.000	47.000	No Ice	0.850	0.065	
			0.000			1/2" Ice	1.140	2.340	0.079
			0.000			1" Ice	1.430	3.010	0.093
						2" Ice	2.010	4.350	0.121
*									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft	Aperture Area ft ²	Weight K
*										

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

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Comb. No.	Description
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	160 - 155	Pole	Max Tension	26	0.000	-0.000	-0.000
			Max. Compression	26	-12.324	-0.273	0.535
			Max. Mx	8	-3.120	-47.452	0.117
			Max. My	2	-2.844	-0.071	49.221
			Max. Vy	20	-8.171	47.257	0.119
			Max. Vx	2	-8.807	-0.071	49.221
			Max. Torque	12			0.351
L2	155 - 150.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-13.193	0.029	0.705
			Max. Mx	8	-3.454	-84.808	0.157
			Max. My	2	-3.094	-0.036	90.615
			Max. Vy	20	-8.461	84.736	0.162
			Max. Vx	2	-9.576	-0.036	90.615
			Max. Torque	12			0.351
L3	150.5 - 150	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-13.290	0.063	0.724
			Max. Mx	8	-3.493	-89.039	0.162
			Max. My	2	-3.125	-0.032	95.427
			Max. Vy	20	-8.492	88.981	0.167
			Max. Vx	2	-9.661	-0.032	95.427

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L4	150 - 145	Pole	Max. Torque	12			0.351
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-22.743	-0.186	1.245
			Max. Mx	8	-6.476	-151.754	0.127
			Max. My	2	-5.948	0.104	165.379
			Max. Vy	20	-13.057	151.650	0.358
			Max. Vx	2	-14.693	0.104	165.379
L5	145 - 140	Pole	Max. Torque	12			0.790
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-23.864	0.275	1.513
			Max. Mx	20	-6.922	218.279	0.532
			Max. My	2	-6.340	0.287	241.101
			Max. Vy	20	-13.569	218.279	0.532
			Max. Vx	2	-15.588	0.287	241.101
L6	140 - 135	Pole	Max. Torque	12			0.790
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-26.591	0.756	1.790
			Max. Mx	20	-7.879	289.084	0.709
			Max. My	2	-7.231	0.474	322.940
			Max. Vy	20	-14.887	289.084	0.709
			Max. Vx	2	-17.302	0.474	322.940
L7	135 - 130	Pole	Max. Torque	12			0.789
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-36.847	2.153	3.603
			Max. Mx	20	-11.156	392.600	1.360
			Max. My	2	-10.367	0.857	440.688
			Max. Vy	20	-19.921	392.600	1.360
			Max. Vx	2	-22.872	0.857	440.688
L8	130 - 125	Pole	Max. Torque	22			-0.964
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-45.016	2.213	3.611
			Max. Mx	20	-14.579	501.187	1.380
			Max. My	2	-13.697	0.871	565.066
			Max. Vy	20	-24.311	501.187	1.380
			Max. Vx	2	-27.686	0.871	565.066
L9	125 - 120	Pole	Max. Torque	14			-1.098
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-46.393	2.784	3.869
			Max. Mx	20	-15.297	624.027	1.489
			Max. My	2	-14.408	1.027	705.700
			Max. Vy	20	-24.810	624.027	1.489
			Max. Vx	2	-28.580	1.027	705.700
L10	120 - 119.583	Pole	Max. Torque	15			-1.153
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-46.521	2.832	3.890
			Max. Mx	20	-15.371	634.385	1.498
			Max. My	2	-14.485	1.041	717.631
			Max. Vy	20	-24.845	634.385	1.498
			Max. Vx	2	-28.647	1.041	717.631
L11	119.583 - 119.333	Pole	Max. Torque	15			-1.164
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-46.608	2.862	3.904
			Max. Mx	20	-15.420	640.603	1.504
			Max. My	2	-14.534	1.049	724.800
			Max. Vy	20	-24.871	640.603	1.504
			Max. Vx	2	-28.692	1.049	724.800
L12	119.333 - 114.333	Pole	Max. Torque	15			-1.171
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-54.939	3.511	4.198

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L13	114.333 - 111.833	Pole	Max. Mx	20	-18.308	772.262	1.615
			Max. My	2	-17.367	1.222	876.507
			Max. Vy	20	-27.972	772.262	1.615
			Max. Vx	2	-32.208	1.222	876.507
			Max. Torque	15			-1.310
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-55.969	3.907	4.385
			Max. Mx	20	-18.771	842.662	1.677
			Max. My	2	-17.834	1.322	957.624
			Max. Vy	20	-28.323	842.662	1.677
L14	111.833 - 111.583	Pole	Max. Vx	2	-32.692	1.322	957.624
			Max. Torque	15			-1.370
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-56.079	3.949	4.405
			Max. Mx	20	-18.840	849.751	1.684
			Max. My	2	-17.909	1.332	965.802
			Max. Vy	20	-28.350	849.751	1.684
			Max. Vx	2	-32.728	1.332	965.802
			Max. Torque	15			-1.375
			Max Tension	1	0.000	0.000	0.000
L15	111.583 - 106.583	Pole	Max. Compression	26	-58.131	4.754	4.780
			Max. Mx	20	-19.842	993.320	1.809
			Max. My	2	-18.918	1.532	1131.889
			Max. Vy	20	-29.044	993.320	1.809
			Max. Vx	2	-33.703	1.532	1131.889
			Max. Torque	15			-1.508
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-59.997	5.514	5.131
			Max. Mx	20	-20.800	1127.889	1.926
			Max. My	2	-19.893	1.720	1288.335
L16	106.583 - 97.167	Pole	Max. Vy	20	-29.654	1127.889	1.926
			Max. Vx	2	-34.578	1.720	1288.335
			Max. Torque	15			-1.640
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-63.395	6.347	5.514
			Max. Mx	20	-22.759	1278.305	2.054
			Max. My	2	-21.846	1.926	1464.079
			Max. Vy	20	-30.478	1278.305	2.054
			Max. Vx	2	-35.711	1.926	1464.079
			Max. Torque	15			-1.789
L17	97.167 - 97	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-65.708	7.187	5.896
			Max. Mx	20	-24.057	1432.513	2.181
			Max. My	2	-23.158	2.134	1645.160
			Max. Vy	20	-31.173	1432.513	2.181
			Max. Vx	2	-36.717	2.134	1645.160
			Max. Torque	15			-1.938
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-68.051	8.044	6.284
			Max. Mx	20	-25.405	1590.165	2.310
L18	97 - 92	Pole	Max. My	2	-24.531	2.346	1831.208
			Max. Vy	20	-31.858	1590.165	2.310
			Max. Vx	2	-37.710	2.346	1831.208
			Max. Torque	15			-2.089
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-70.429	8.913	6.674
			Max. Mx	20	-26.786	1751.226	2.440
			Max. My	2	-24.531	2.346	1831.208
			Max. Vy	20	-31.858	1590.165	2.310
			Max. Vx	2	-37.710	2.346	1831.208
L19	92 - 87	Pole	Max. Torque	15			-1.938
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-68.051	8.044	6.284
			Max. Mx	20	-25.405	1590.165	2.310
			Max. My	2	-24.531	2.346	1831.208
			Max. Vy	20	-31.858	1590.165	2.310
			Max. Vx	2	-37.710	2.346	1831.208
			Max. Torque	15			-2.089
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-70.429	8.913	6.674
L20	87 - 82	Pole	Max. Mx	20	-26.786	1751.226	2.440
			Max. My	2	-24.531	2.346	1831.208
			Max. Vy	20	-31.858	1590.165	2.310
			Max. Vx	2	-37.710	2.346	1831.208
			Max. Torque	15			-2.089
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-70.429	8.913	6.674
			Max. Mx	20	-26.786	1751.226	2.440
			Max. My	2	-24.531	2.346	1831.208
			Max. Vy	20	-31.858	1590.165	2.310

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L21	82 - 79.333	Pole	Max. My	2	-25.943	2.562	2022.214
			Max. Vy	20	-32.536	1751.226	2.440
			Max. Vx	2	-38.701	2.562	2022.214
			Max. Torque	15			-2.241
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-71.838	9.381	6.883
			Max. Mx	20	-27.531	1838.568	2.510
			Max. My	2	-26.707	2.680	2126.119
			Max. Vy	20	-32.936	1838.568	2.510
			Max. Vx	2	-39.232	2.680	2126.119
L22	79.333 - 79.083	Pole	Max. Torque	15			-2.294
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-71.995	9.428	6.906
			Max. Mx	20	-27.646	1846.810	2.517
			Max. My	2	-26.832	2.691	2135.931
			Max. Vy	20	-32.962	1846.810	2.517
			Max. Vx	2	-39.266	2.691	2135.931
			Max. Torque	15			-2.299
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-74.412	10.105	7.206
L23	79.083 - 75.25	Pole	Max. Mx	20	-29.061	1974.441	2.618
			Max. My	2	-28.257	2.864	2288.050
			Max. Vy	20	-33.592	1974.441	2.618
			Max. Vx	2	-40.101	2.864	2288.050
			Max. Torque	15			-2.376
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-74.570	10.152	7.228
			Max. Mx	20	-29.169	1982.849	2.625
			Max. My	2	-28.371	2.876	2298.081
			Max. Vy	20	-33.625	1982.849	2.625
L24	75.25 - 75	Pole	Max. Vx	2	-40.141	2.876	2298.081
			Max. Torque	15			-2.381
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-77.745	11.048	7.625
			Max. Mx	20	-31.048	2153.105	2.758
			Max. My	2	-30.270	3.105	2501.504
			Max. Vy	20	-34.433	2153.105	2.758
			Max. Vx	2	-41.220	3.105	2501.504
			Max. Torque	15			-2.483
			Max Tension	1	0.000	0.000	0.000
L25	75 - 70	Pole	Max. Compression	26	-80.958	11.959	8.028
			Max. Mx	20	-32.973	2327.339	2.893
			Max. My	2	-32.237	3.345	2709.704
			Max. Vy	20	-35.221	2327.339	2.893
			Max. Vx	2	-42.062	3.345	2709.704
			Max. Torque	15			-2.483
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-82.101	12.280	8.169
			Max. Mx	20	-33.646	2389.252	2.940
			Max. My	2	-32.921	3.430	2783.570
L26	70 - 65	Pole	Max. Vy	20	-35.505	2389.252	2.940
			Max. Vx	2	-42.367	3.430	2783.570
			Max. Torque	15			-2.481
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-82.272	12.330	8.192
			Max. Mx	20	-33.772	2398.137	2.947
			Max. My	2	-33.057	3.442	2794.164
			Max. Vy	20	-35.528	2398.137	2.947
			Max. Vx	2	-42.388	3.442	2794.164
			Max. Torque	15			-2.481
L27	65 - 63.25	Pole	Max. Torque	15			-2.481
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-82.272	12.330	8.192
			Max. Mx	20	-33.772	2398.137	2.947
			Max. My	2	-33.057	3.442	2794.164
			Max. Vy	20	-35.528	2398.137	2.947
			Max. Vx	2	-42.388	3.442	2794.164
			Max. Torque	15			-2.481
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-82.272	12.330	8.192
L28	63.25 - 63	Pole	Max. Mx	20	-33.772	2398.137	2.947
			Max. My	2	-33.057	3.442	2794.164
			Max. Vy	20	-35.528	2398.137	2.947
			Max. Vx	2	-42.388	3.442	2794.164
			Max. Torque	15			-2.481
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-82.272	12.330	8.192
			Max. Mx	20	-33.772	2398.137	2.947
			Max. My	2	-33.057	3.442	2794.164
			Max. Vy	20	-35.528	2398.137	2.947
			Max. Vx	2	-42.388	3.442	2794.164
			Max. Torque	15			-2.481

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L29	63 - 58	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-85.699	13.254	8.598
			Max. Mx	20	-35.871	2577.882	3.084
			Max. My	2	-35.192	3.686	3008.289
			Max. Vy	20	-36.323	2577.882	3.084
			Max. Vx	2	-43.253	3.686	3008.289
			Max. Torque	15			-2.481
L30	58 - 49.083	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-87.768	13.819	8.847
			Max. Mx	20	-37.156	2687.603	3.167
			Max. My	2	-36.501	3.836	3138.796
			Max. Vy	20	-36.780	2687.603	3.167
			Max. Vx	2	-43.752	3.836	3138.796
			Max. Torque	15			-2.480
L31	49.083 - 48.083	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-95.546	15.125	9.420
			Max. Mx	20	-42.502	2946.594	3.360
			Max. My	2	-41.873	4.184	3446.310
			Max. Vy	20	-38.031	2946.594	3.360
			Max. Vx	2	-45.129	4.184	3446.310
			Max. Torque	15			-2.478
L32	48.083 - 43.083	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-99.315	16.432	9.625
			Max. Mx	20	-44.927	3139.099	3.447
			Max. My	2	-44.341	4.692	3674.096
			Max. Vy	20	-38.815	3139.099	3.447
			Max. Vx	2	-45.995	4.692	3674.096
			Max. Torque	15			-2.671
L33	43.083 - 38.417	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-102.731	17.317	10.013
			Max. Mx	20	-47.145	3321.848	3.650
			Max. My	2	-46.599	5.001	3890.361
			Max. Vy	20	-39.479	3321.848	3.650
			Max. Vx	2	-46.713	5.001	3890.361
			Max. Torque	15			-2.670
L34	38.417 - 38.167	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-102.903	17.367	10.036
			Max. Mx	20	-47.265	3331.727	3.661
			Max. My	2	-46.728	5.018	3902.042
			Max. Vy	20	-39.501	3331.727	3.661
			Max. Vx	2	-46.732	5.018	3902.042
			Max. Torque	15			-2.669
L35	38.167 - 37.583	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-103.304	17.476	10.083
			Max. Mx	20	-47.513	3354.834	3.686
			Max. My	2	-46.979	5.057	3929.364
			Max. Vy	20	-39.581	3354.834	3.686
			Max. Vx	2	-46.822	5.057	3929.364
			Max. Torque	15			-2.669
L36	37.583 - 37.333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-103.495	17.526	10.106
			Max. Mx	20	-47.644	3364.741	3.697
			Max. My	2	-47.115	5.073	3941.075
			Max. Vy	20	-39.613	3364.741	3.697
			Max. Vx	2	-46.852	5.073	3941.075
			Max. Torque	15			-2.669

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L37	37.333 - 35.75	Pole	Max. Torque	15			-2.669
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-104.701	17.823	10.235
			Max. Mx	20	-48.421	3427.671	3.766
			Max. My	2	-47.899	5.180	4015.451
			Max. Vy	20	-39.852	3427.671	3.766
			Max. Vx	2	-47.117	5.180	4015.451
L38	35.75 - 35.5	Pole	Max. Torque	15			-2.669
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-104.859	17.873	10.257
			Max. Mx	20	-48.534	3437.642	3.777
			Max. My	2	-48.022	5.196	4027.231
			Max. Vy	20	-39.868	3437.642	3.777
			Max. Vx	2	-47.127	5.196	4027.231
L39	35.5 - 30.5	Pole	Max. Torque	15			-2.669
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-107.949	18.820	10.671
			Max. Mx	20	-50.466	3638.534	3.996
			Max. My	2	-50.016	5.531	4264.466
			Max. Vy	20	-40.448	3638.534	3.996
			Max. Vx	2	-47.770	5.531	4264.466
L40	30.5 - 25.5	Pole	Max. Torque	15			-2.669
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-110.876	19.763	11.082
			Max. Mx	20	-52.447	3842.089	4.216
			Max. My	2	-52.066	5.867	4504.721
			Max. Vy	20	-40.946	3842.089	4.216
			Max. Vx	2	-48.356	5.867	4504.721
L41	25.5 - 20.5	Pole	Max. Torque	15			-2.667
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-113.816	20.697	11.489
			Max. Mx	20	-54.459	4048.054	4.436
			Max. My	2	-54.149	6.205	4747.808
			Max. Vy	20	-41.411	4048.054	4.436
			Max. Vx	2	-48.903	6.205	4747.808
L42	20.5 - 15.5	Pole	Max. Torque	15			-2.666
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-116.764	21.591	11.875
			Max. Mx	20	-56.503	4256.251	4.656
			Max. My	2	-56.264	6.544	4993.509
			Max. Vy	20	-41.838	4256.251	4.656
			Max. Vx	2	-49.403	6.544	4993.509
L43	15.5 - 10.5	Pole	Max. Torque	15			-2.666
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-119.710	22.456	12.248
			Max. Mx	20	-58.582	4466.500	4.876
			Max. My	2	-58.417	6.885	5241.599
			Max. Vy	20	-42.231	4466.500	4.876
			Max. Vx	2	-49.860	6.885	5241.599
L44	10.5 - 5.5	Pole	Max. Torque	15			-2.665
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-122.637	23.303	12.616
			Max. Mx	20	-60.691	4678.708	5.097
			Max. My	2	-60.600	7.227	5491.956
			Max. Vy	20	-42.622	4678.708	5.097
			Max. Vx	2	-50.310	7.227	5491.956
L45	5.5 - 0.5	Pole	Max. Torque	15			-2.664
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-125.495	24.102	12.965
			Max. Mx	20	-62.829	4892.870	5.318
			Max. My	2	-62.814	7.571	5744.539

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L46	0.5 - 0	Pole	Max. Vy	20	-43.012	4892.870	5.318
			Max. Vx	2	-50.752	7.571	5744.539
			Max. Torque	15			-2.664
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-125.751	24.169	12.995
			Max. Mx	20	-63.055	4914.393	5.340
			Max. My	2	-63.051	7.605	5769.918
			Max. Vy	20	-43.036	4914.393	5.340
			Max. Vx	2	-50.779	7.605	5769.918
			Max. Torque	15			-2.664

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	125.751	0.000	0.000
	Max. H _x	20	63.065	43.022	0.025
	Max. H _z	3	47.299	0.025	50.762
	Max. M _x	2	5769.918	0.025	50.762
	Max. M _z	8	4903.794	-43.022	-0.025
	Max. Torsion	3	2.653	0.025	50.762
	Min. Vert	11	47.299	-35.641	-20.656
	Min. H _x	8	63.065	-43.022	-0.025
	Min. H _z	15	47.299	-0.025	-50.762
	Min. M _x	14	-5763.931	-0.025	-50.762
	Min. M _z	20	-4914.393	43.022	0.025
	Min. Torsion	15	-2.664	-0.025	-50.762

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	52.554	-0.000	-0.000	-2.418	4.285	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	63.065	-0.025	-50.762	-5769.918	7.605	-2.652
0.9 Dead+1.0 Wind 0 deg - No Ice	47.299	-0.025	-50.762	-5694.124	6.204	-2.653
1.2 Dead+1.0 Wind 30 deg - No Ice	63.065	24.699	-42.917	-4709.247	-2701.721	-2.186
0.9 Dead+1.0 Wind 30 deg - No Ice	47.299	24.699	-42.917	-4648.035	-2668.358	-2.172
1.2 Dead+1.0 Wind 60 deg - No Ice	63.065	39.964	-23.123	-2588.852	-4460.617	-1.171
0.9 Dead+1.0 Wind 60 deg - No Ice	47.299	39.964	-23.123	-2554.524	-4404.100	-1.147
1.2 Dead+1.0 Wind 90 deg - No Ice	63.065	43.022	0.025	-0.689	-4903.794	-0.624
0.9 Dead+1.0 Wind 90 deg - No Ice	47.299	43.022	0.025	0.076	-4840.678	-0.598
1.2 Dead+1.0 Wind 120 deg - No Ice	63.065	35.641	20.656	2390.131	-4122.192	-0.745

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Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
0.9 Dead+1.0 Wind 120 deg - No Ice	47.299	35.641	20.656	2359.158	-4068.798	-0.723
1.2 Dead+1.0 Wind 150 deg - No Ice	63.065	21.145	36.710	4231.872	-2432.245	-0.672
0.9 Dead+1.0 Wind 150 deg - No Ice	47.299	21.145	36.710	4176.670	-2401.410	-0.660
1.2 Dead+1.0 Wind 180 deg - No Ice	63.065	0.025	50.762	5763.931	2.958	2.664
0.9 Dead+1.0 Wind 180 deg - No Ice	47.299	0.025	50.762	5689.711	1.614	2.664
1.2 Dead+1.0 Wind 210 deg - No Ice	63.065	-24.699	42.917	4703.224	2712.348	2.171
0.9 Dead+1.0 Wind 210 deg - No Ice	47.299	-24.699	42.917	4643.597	2676.223	2.157
1.2 Dead+1.0 Wind 240 deg - No Ice	63.065	-39.964	23.123	2582.811	4471.232	1.146
0.9 Dead+1.0 Wind 240 deg - No Ice	47.299	-39.964	23.123	2550.074	4411.957	1.123
1.2 Dead+1.0 Wind 270 deg - No Ice	63.065	-43.022	-0.025	-5.340	4914.393	0.614
0.9 Dead+1.0 Wind 270 deg - No Ice	47.299	-43.022	-0.025	-4.518	4848.524	0.588
1.2 Dead+1.0 Wind 300 deg - No Ice	63.065	-35.641	-20.656	-2396.124	4132.802	0.759
0.9 Dead+1.0 Wind 300 deg - No Ice	47.299	-35.641	-20.656	-2363.574	4076.652	0.737
1.2 Dead+1.0 Wind 330 deg - No Ice	63.065	-21.145	-36.710	-4237.851	2442.891	0.695
0.9 Dead+1.0 Wind 330 deg - No Ice	47.299	-21.145	-36.710	-4181.077	2409.289	0.684
1.2 Dead+1.0 Ice+1.0 Temp	125.751	-0.000	-0.000	-12.995	24.169	0.002
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	125.751	-0.008	-11.983	-1573.131	24.880	-0.536
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	125.751	5.936	-10.319	-1306.602	-719.778	-0.596
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	125.751	9.621	-5.567	-732.388	-1218.082	-0.303
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	125.751	10.544	0.008	-12.418	-1349.385	-0.183
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	125.751	9.135	5.296	676.764	-1165.666	-0.227
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	125.751	5.279	9.165	1181.108	-663.101	-0.210
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	125.751	0.008	11.983	1547.061	23.629	0.541
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	125.751	-5.936	10.319	1280.516	768.296	0.599
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	125.751	-9.621	5.567	706.295	1266.591	0.305
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	125.751	-10.544	-0.008	-13.668	1397.885	0.186
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	125.751	-9.135	-5.296	-702.835	1214.169	0.231
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	125.751	-5.279	-9.165	-1207.173	711.619	0.215
Dead+Wind 0 deg - Service	52.554	-0.005	-11.018	-1247.255	4.909	-0.582
Dead+Wind 30 deg - Service	52.554	5.361	-9.315	-1017.939	-579.676	-0.472
Dead+Wind 60 deg - Service	52.554	8.674	-5.019	-560.302	-958.964	-0.252
Dead+Wind 90 deg - Service	52.554	9.338	0.005	-1.996	-1054.370	-0.137
Dead+Wind 120 deg - Service	52.554	7.736	4.484	513.592	-885.706	-0.169
Dead+Wind 150 deg - Service	52.554	4.590	7.968	910.858	-521.315	-0.157

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Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead+Wind 180 deg - Service	52.554	0.005	11.018	1242.262	3.906	0.583
Dead+Wind 210 deg - Service	52.554	-5.361	9.315	1012.944	588.494	0.471
Dead+Wind 240 deg - Service	52.554	-8.674	5.019	555.306	967.781	0.251
Dead+Wind 270 deg - Service	52.554	-9.338	-0.005	-2.999	1063.187	0.137
Dead+Wind 300 deg - Service	52.554	-7.736	-4.484	-518.585	894.524	0.170
Dead+Wind 330 deg - Service	52.554	-4.590	-7.968	-915.851	530.134	0.158

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.000	-52.554	0.000	0.000	52.554	0.000	0.000%
2	-0.025	-63.065	-50.762	0.025	63.065	50.762	0.000%
3	-0.025	-47.299	-50.762	0.025	47.299	50.762	0.000%
4	24.699	-63.065	-42.917	-24.699	63.065	42.917	0.000%
5	24.699	-47.299	-42.917	-24.699	47.299	42.917	0.000%
6	39.964	-63.065	-23.123	-39.964	63.065	23.123	0.000%
7	39.964	-47.299	-23.123	-39.964	47.299	23.123	0.000%
8	43.022	-63.065	0.025	-43.022	63.065	-0.025	0.000%
9	43.022	-47.299	0.025	-43.022	47.299	-0.025	0.000%
10	35.641	-63.065	20.656	-35.641	63.065	-20.656	0.000%
11	35.641	-47.299	20.656	-35.641	47.299	-20.656	0.000%
12	21.145	-63.065	36.710	-21.145	63.065	-36.710	0.000%
13	21.145	-47.299	36.710	-21.145	47.299	-36.710	0.000%
14	0.025	-63.065	50.762	-0.025	63.065	-50.762	0.000%
15	0.025	-47.299	50.762	-0.025	47.299	-50.762	0.000%
16	-24.699	-63.065	42.917	24.699	63.065	-42.917	0.000%
17	-24.699	-47.299	42.917	24.699	47.299	-42.917	0.000%
18	-39.964	-63.065	23.123	39.964	63.065	-23.123	0.000%
19	-39.964	-47.299	23.123	39.964	47.299	-23.123	0.000%
20	-43.022	-63.065	-0.025	43.022	63.065	0.025	0.000%
21	-43.022	-47.299	-0.025	43.022	47.299	0.025	0.000%
22	-35.641	-63.065	-20.656	35.641	63.065	20.656	0.000%
23	-35.641	-47.299	-20.656	35.641	47.299	20.656	0.000%
24	-21.145	-63.065	-36.710	21.145	63.065	36.710	0.000%
25	-21.145	-47.299	-36.710	21.145	47.299	36.710	0.000%
26	0.000	-125.751	0.000	0.000	125.751	0.000	0.000%
27	-0.008	-125.751	-11.983	0.008	125.751	11.983	0.000%
28	5.936	-125.751	-10.319	-5.936	125.751	10.319	0.000%
29	9.621	-125.751	-5.567	-9.621	125.751	5.567	0.000%
30	10.544	-125.751	0.008	-10.544	125.751	-0.008	0.000%
31	9.135	-125.751	5.296	-9.135	125.751	-5.296	0.000%
32	5.279	-125.751	9.165	-5.279	125.751	-9.165	0.000%
33	0.008	-125.751	11.983	-0.008	125.751	-11.983	0.000%
34	-5.936	-125.751	10.319	5.936	125.751	-10.319	0.000%
35	-9.621	-125.751	5.567	9.621	125.751	-5.567	0.000%
36	-10.544	-125.751	-0.008	10.544	125.751	0.008	0.000%
37	-9.135	-125.751	-5.296	9.135	125.751	5.296	0.000%
38	-5.279	-125.751	-9.165	5.279	125.751	9.165	0.000%
39	-0.005	-52.554	-11.018	0.005	52.554	11.018	0.000%
40	5.361	-52.554	-9.315	-5.361	52.554	9.315	0.000%
41	8.674	-52.554	-5.019	-8.674	52.554	5.019	0.000%
42	9.338	-52.554	0.005	-9.338	52.554	-0.005	0.000%
43	7.736	-52.554	4.484	-7.736	52.554	-4.484	0.000%
44	4.590	-52.554	7.968	-4.590	52.554	-7.968	0.000%
45	0.005	-52.554	11.018	-0.005	52.554	-11.018	0.000%
46	-5.361	-52.554	9.315	5.361	52.554	-9.315	0.000%

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Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
47	-8.674	-52.554	5.019	8.674	52.554	-5.019	0.000%
48	-9.338	-52.554	-0.005	9.338	52.554	0.005	0.000%
49	-7.736	-52.554	-4.484	7.736	52.554	4.484	0.000%
50	-4.590	-52.554	-7.968	4.590	52.554	7.968	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000716
2	Yes	6	0.00000001	0.00011820
3	Yes	5	0.00000001	0.00089397
4	Yes	7	0.00000001	0.00016515
5	Yes	6	0.00000001	0.00087909
6	Yes	7	0.00000001	0.00016514
7	Yes	6	0.00000001	0.00088819
8	Yes	5	0.00000001	0.00073824
9	Yes	5	0.00000001	0.00029320
10	Yes	7	0.00000001	0.00015201
11	Yes	6	0.00000001	0.00082871
12	Yes	7	0.00000001	0.00015803
13	Yes	6	0.00000001	0.00085857
14	Yes	6	0.00000001	0.00011162
15	Yes	5	0.00000001	0.00084419
16	Yes	7	0.00000001	0.00016985
17	Yes	6	0.00000001	0.00090526
18	Yes	7	0.00000001	0.00016154
19	Yes	6	0.00000001	0.00086821
20	Yes	5	0.00000001	0.00083307
21	Yes	5	0.00000001	0.00033633
22	Yes	7	0.00000001	0.00015581
23	Yes	6	0.00000001	0.00084903
24	Yes	7	0.00000001	0.00015560
25	Yes	6	0.00000001	0.00084383
26	Yes	5	0.00000001	0.00061455
27	Yes	7	0.00000001	0.00090724
28	Yes	8	0.00000001	0.00021168
29	Yes	8	0.00000001	0.00020705
30	Yes	7	0.00000001	0.00079054
31	Yes	8	0.00000001	0.00018993
32	Yes	8	0.00000001	0.00019101
33	Yes	7	0.00000001	0.00088771
34	Yes	8	0.00000001	0.00021749
35	Yes	8	0.00000001	0.00020690
36	Yes	7	0.00000001	0.00081679
37	Yes	8	0.00000001	0.00020466
38	Yes	8	0.00000001	0.00020394
39	Yes	5	0.00000001	0.00016690
40	Yes	5	0.00000001	0.00088037
41	Yes	5	0.00000001	0.00084438
42	Yes	5	0.00000001	0.00009367
43	Yes	5	0.00000001	0.00068777
44	Yes	5	0.00000001	0.00076029
45	Yes	5	0.00000001	0.00016454
46	Yes	5	0.00000001	0.00094678
47	Yes	5	0.00000001	0.00080038

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48	Yes	5	0.00000001	0.00009498
49	Yes	5	0.00000001	0.00074752
50	Yes	5	0.00000001	0.00074736

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 155	34.924	39	2.097	0.003
L2	155 - 150.5	32.733	39	2.085	0.003
L3	150.5 - 150	30.779	39	2.060	0.003
L4	150 - 145	30.563	39	2.056	0.003
L5	145 - 140	28.433	39	2.011	0.003
L6	140 - 135	26.357	39	1.951	0.003
L7	135 - 130	24.352	39	1.878	0.003
L8	130 - 125	22.431	39	1.790	0.002
L9	125 - 120	20.608	39	1.690	0.002
L10	120 - 119.583	18.897	39	1.577	0.002
L11	119.583 - 119.333	18.759	39	1.567	0.002
L12	119.333 - 114.333	18.678	39	1.563	0.002
L13	114.333 - 111.833	17.085	39	1.478	0.002
L14	111.833 - 111.583	16.323	39	1.433	0.002
L15	111.583 - 106.583	16.248	39	1.429	0.002
L16	106.583 - 97.167	14.796	39	1.342	0.001
L17	102 - 97	13.548	39	1.259	0.001
L18	97 - 92	12.250	39	1.217	0.001
L19	92 - 87	11.018	39	1.138	0.001
L20	87 - 82	9.868	39	1.058	0.001
L21	82 - 79.333	8.802	39	0.978	0.001
L22	79.333 - 79.083	8.268	39	0.934	0.001
L23	79.083 - 75.25	8.219	39	0.931	0.001
L24	75.25 - 75	7.489	39	0.888	0.001
L25	75 - 70	7.443	39	0.885	0.001
L26	70 - 65	6.545	39	0.829	0.001
L27	65 - 63.25	5.708	39	0.771	0.001
L28	63.25 - 63	5.429	39	0.751	0.001
L29	63 - 58	5.389	39	0.749	0.001
L30	58 - 49.083	4.633	39	0.696	0.001
L31	55 - 48.083	4.206	39	0.664	0.001
L32	48.083 - 43.083	3.270	39	0.623	0.000
L33	43.083 - 38.417	2.645	39	0.571	0.000
L34	38.417 - 38.167	2.112	39	0.522	0.000
L35	38.167 - 37.583	2.084	39	0.519	0.000
L36	37.583 - 37.333	2.021	39	0.512	0.000
L37	37.333 - 35.75	1.995	39	0.509	0.000
L38	35.75 - 35.5	1.828	39	0.494	0.000
L39	35.5 - 30.5	1.802	39	0.491	0.000
L40	30.5 - 25.5	1.326	39	0.419	0.000
L41	25.5 - 20.5	0.924	39	0.349	0.000
L42	20.5 - 15.5	0.595	39	0.279	0.000
L43	15.5 - 10.5	0.339	39	0.211	0.000
L44	10.5 - 5.5	0.155	39	0.142	0.000
L45	5.5 - 0.5	0.042	39	0.074	0.000
L46	0.5 - 0	0.000	39	0.007	0.000

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Critical Deflections and Radius of Curvature - Service Wind

Elevation	Appurtenance	Gov. Load	Deflection	Tilt	Twist	Radius of Curvature
ft		Comb.	in	°	°	ft
161.000	7770.00 w/ Mount Pipe	39	34.924	2.097	0.003	14079
149.000	BXA-80063/4CF w/ Mount Pipe	39	30.134	2.048	0.003	7167
137.000	Miscellaneous [NA 510-1]	39	25.145	1.909	0.003	3838
135.000	AIR6449 B41_T-MOBILE w/ Mount Pipe	39	24.352	1.878	0.003	3581
127.000	MX08FRO665-21 w/ Mount Pipe	39	21.324	1.731	0.002	2821
116.000	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	39	17.606	1.508	0.002	3283
47.000	KS24019-L112A	39	3.130	0.613	0.000	6349

Maximum Tower Deflections - Design Wind

Section No.	Elevation	Horz. Deflection	Gov. Load	Tilt	Twist
	ft	in	Comb.	°	°
L1	160 - 155	161.053	2	9.677	0.013
L2	155 - 150.5	150.987	2	9.625	0.013
L3	150.5 - 150	142.008	2	9.507	0.013
L4	150 - 145	141.018	2	9.490	0.013
L5	145 - 140	131.224	2	9.285	0.013
L6	140 - 135	121.681	2	9.007	0.013
L7	135 - 130	112.457	2	8.671	0.012
L8	130 - 125	103.613	2	8.269	0.011
L9	125 - 120	95.218	2	7.808	0.010
L10	120 - 119.583	87.330	2	7.290	0.009
L11	119.583 - 119.333	86.697	2	7.245	0.009
L12	119.333 - 114.333	86.319	2	7.227	0.009
L13	114.333 - 111.833	78.973	2	6.835	0.008
L14	111.833 - 111.583	75.456	2	6.628	0.007
L15	111.583 - 106.583	75.110	2	6.609	0.007
L16	106.583 - 97.167	68.411	2	6.208	0.007
L17	102 - 97	62.645	2	5.826	0.006
L18	97 - 92	56.653	2	5.628	0.006
L19	92 - 87	50.958	2	5.264	0.005
L20	87 - 82	45.644	2	4.896	0.005
L21	82 - 79.333	40.717	2	4.524	0.004
L22	79.333 - 79.083	38.249	2	4.321	0.004
L23	79.083 - 75.25	38.023	2	4.308	0.004
L24	75.25 - 75	34.648	2	4.109	0.004
L25	75 - 70	34.433	2	4.096	0.004
L26	70 - 65	30.283	2	3.837	0.003
L27	65 - 63.25	26.408	2	3.570	0.003
L28	63.25 - 63	25.117	2	3.478	0.003
L29	63 - 58	24.935	2	3.466	0.003
L30	58 - 49.083	21.436	2	3.222	0.002
L31	55 - 48.083	19.459	2	3.074	0.002
L32	48.083 - 43.083	15.131	2	2.882	0.002
L33	43.083 - 38.417	12.240	2	2.641	0.002
L34	38.417 - 38.167	9.771	2	2.415	0.002
L35	38.167 - 37.583	9.645	2	2.401	0.002
L36	37.583 - 37.333	9.353	2	2.369	0.002
L37	37.333 - 35.75	9.229	2	2.358	0.002
L38	35.75 - 35.5	8.459	2	2.287	0.002

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Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L39	35.5 - 30.5	8.340	2	2.271	0.002
L40	30.5 - 25.5	6.136	2	1.940	0.001
L41	25.5 - 20.5	4.276	2	1.614	0.001
L42	20.5 - 15.5	2.755	2	1.292	0.001
L43	15.5 - 10.5	1.569	2	0.974	0.001
L44	10.5 - 5.5	0.716	2	0.655	0.000
L45	5.5 - 0.5	0.195	2	0.340	0.000
L46	0.5 - 0	0.002	2	0.031	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
161.000	7770.00 w/ Mount Pipe	2	161.053	9.677	0.013	3248
149.000	BXA-80063/4CF w/ Mount Pipe	2	139.043	9.455	0.013	1646
137.000	Miscellaneous [NA 510-1]	2	116.104	8.813	0.012	874
135.000	AIR6449 B41_T-MOBILE w/ Mount Pipe	2	112.457	8.671	0.012	815
127.000	MX08FRO665-21 w/ Mount Pipe	2	98.518	7.998	0.010	637
116.000	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	2	81.377	6.974	0.008	733
47.000	KS24019-L112A	2	14.485	2.838	0.002	1378

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L1	160 - 155 (1)	TP20x20x0.25	5.000	0.000	0.0	15.512	-2.844	488.616	0.006
L2	155 - 150.5 (2)	TP20x20x0.25	4.500	0.000	0.0	15.512	-3.094	488.616	0.006
L3	150.5 - 150 (3)	TP20.3x20.3x0.25	0.500	0.000	0.0	15.747	-3.125	496.038	0.006
L4	150 - 145 (4)	TP21.325x20.3x0.25	5.000	0.000	0.0	16.965	-5.948	992.471	0.006
L5	145 - 140 (5)	TP22.35x21.325x0.25	5.000	0.000	0.0	17.790	-6.340	1040.740	0.006
L6	140 - 135 (6)	TP23.375x22.35x0.25	5.000	0.000	0.0	18.615	-7.231	1089.000	0.007
L7	135 - 130 (7)	TP24.4x23.375x0.25	5.000	0.000	0.0	19.441	-10.367	1137.270	0.009
L8	130 - 125 (8)	TP25.425x24.4x0.25	5.000	0.000	0.0	20.266	-13.697	1185.540	0.012
L9	125 - 120 (9)	TP26.45x25.425x0.25	5.000	0.000	0.0	21.091	-14.408	1233.800	0.012
L10	120 - 119.583 (10)	TP26.535x26.45x0.25	0.417	0.000	0.0	21.160	-14.485	1237.830	0.012
L11	119.583 - 119.333 (11)	TP26.586x26.535x0.375	0.250	0.000	0.0	31.650	-14.534	1851.530	0.008
L12	119.333 - 114.333 (12)	TP27.611x26.586x0.369	5.000	0.000	0.0	32.347	-17.367	1892.300	0.009
L13	114.333 - 111.833 (13)	TP28.124x27.611x0.369	2.500	0.000	0.0	32.956	-17.834	1927.900	0.009
L14	111.833 - 111.583 (14)	TP28.175x28.124x0.413	0.250	0.000	0.0	36.875	-17.909	2157.210	0.008

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Section No.	Elevation	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in ²	K	K	
L15	111.583 - 106.583 (15)	TP29.2x28.175x0.4	5.000	0.000	0.0	37.094	-18.919	2170.010	0.009
L16	106.583 - 97.167 (16)	TP31.13x29.2x0.4	9.416	0.000	0.0	38.304	-19.892	2240.800	0.009
L17	97.167 - 97 (17)	TP30.665x29.639x0.525	5.000	0.000	0.0	50.951	-21.846	2980.630	0.007
L18	97 - 92 (18)	TP31.69x30.665x0.513	5.000	0.000	0.0	51.450	-23.158	3009.850	0.008
L19	92 - 87 (19)	TP32.715x31.69x0.513	5.000	0.000	0.0	53.142	-24.531	3108.820	0.008
L20	87 - 82 (20)	TP33.74x32.715x0.513	5.000	0.000	0.0	54.834	-25.943	3207.800	0.008
L21	82 - 79.333 (21)	TP34.287x33.74x0.5	2.667	0.000	0.0	54.397	-26.707	3182.250	0.008
L22	79.333 - 79.083 (22)	TP34.338x34.287x0.775	0.250	0.000	0.0	83.758	-26.832	4899.820	0.005
L23	79.083 - 75.25 (23)	TP35.124x34.338x0.75	3.833	0.000	0.0	83.014	-28.257	4856.330	0.006
L24	75.25 - 75 (24)	TP35.176x35.124x0.75	0.250	0.000	0.0	83.138	-28.371	4863.580	0.006
L25	75 - 70 (25)	TP36.201x35.176x0.75	5.000	0.000	0.0	85.614	-30.270	5008.420	0.006
L26	70 - 65 (26)	TP37.226x36.201x0.725	5.000	0.000	0.0	85.212	-32.237	4984.910	0.006
L27	65 - 63.25 (27)	TP37.585x37.226x0.725	1.750	0.000	0.0	86.050	-32.921	5033.910	0.007
L28	63.25 - 63 (28)	TP37.636x37.585x0.8	0.250	0.000	0.0	94.890	-33.057	5551.080	0.006
L29	63 - 58 (29)	TP38.662x37.636x0.788	5.000	0.000	0.0	96.039	-35.192	5618.290	0.006
L30	58 - 49.083 (30)	TP40.49x38.662x0.775	8.917	0.000	0.0	96.081	-36.501	5620.740	0.006
L31	49.083 - 48.083 (31)	TP39.882x38.527x0.838	6.917	0.000	0.0	105.292	-41.873	6159.590	0.007
L32	48.083 - 43.083 (32)	TP40.861x39.882x0.825	5.000	0.000	0.0	106.356	-44.340	6221.800	0.007
L33	43.083 - 38.417 (33)	TP41.775x40.861x0.813	4.666	0.000	0.0	107.168	-46.599	6269.330	0.007
L34	38.417 - 38.167 (34)	TP41.824x41.775x0.713	0.250	0.000	0.0	94.320	-46.728	5517.710	0.008
L35	38.167 - 37.583 (35)	TP41.938x41.824x0.713	0.584	0.000	0.0	94.582	-46.979	5533.070	0.008
L36	37.583 - 37.333 (36)	TP41.987x41.938x0.863	0.250	0.000	0.0	114.214	-47.115	6681.510	0.007
L37	37.333 - 35.75 (37)	TP42.297x41.987x0.863	1.583	0.000	0.0	115.075	-47.899	6731.890	0.007
L38	35.75 - 35.5 (38)	TP42.346x42.297x0.588	0.250	0.000	0.0	78.997	-48.022	4621.340	0.010
L39	35.5 - 30.5 (39)	TP43.326x42.346x0.575	5.000	0.000	0.0	79.153	-50.016	4630.450	0.011
L40	30.5 - 25.5 (40)	TP44.305x43.326x0.575	5.000	0.000	0.0	80.966	-52.066	4736.530	0.011
L41	25.5 - 20.5 (41)	TP45.285x44.305x0.575	5.000	0.000	0.0	82.780	-54.149	4842.610	0.011
L42	20.5 - 15.5 (42)	TP46.264x45.285x0.575	5.000	0.000	0.0	84.593	-56.264	4948.690	0.011
L43	15.5 - 10.5 (43)	TP47.243x46.264x0.563	5.000	0.000	0.0	84.551	-58.416	4946.210	0.012
L44	10.5 - 5.5 (44)	TP48.223x47.243x0.563	5.000	0.000	0.0	86.325	-60.600	5049.980	0.012
L45	5.5 - 0.5 (45)	TP49.202x48.223x0.563	5.000	0.000	0.0	88.098	-62.814	5153.760	0.012
L46	0.5 - 0 (46)	TP49.3x49.202x0.563	0.500	0.000	0.0	88.276	-63.051	5164.130	0.012

Pole Bending Design Data

Section No.	Elevation	Size	M _{ux}	φM _{nx}	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M _{uy}	φM _{ny}	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
	ft		kip-ft	kip-ft		kip-ft	kip-ft	
L1	160 - 155 (1)	TP20x20x0.25	49.221	241.134	0.204	0.000	241.134	0.000
L2	155 - 150.5 (2)	TP20x20x0.25	90.615	241.134	0.376	0.000	241.134	0.000
L3	150.5 - 150 (3)	TP20.3x20.3x0.25	95.427	247.912	0.385	0.000	247.912	0.000

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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 $\frac{M_{uy}}{\phi M_{ny}}$
L4	150 - 145 (4)	TP21.325x20.3x0.25	165.379	530.534	0.312	0.000	530.534	0.000
L5	145 - 140 (5)	TP22.35x21.325x0.25	241.101	575.099	0.419	0.000	575.099	0.000
L6	140 - 135 (6)	TP23.375x22.35x0.25	322.941	620.560	0.520	0.000	620.560	0.000
L7	135 - 130 (7)	TP24.4x23.375x0.25	440.689	666.804	0.661	0.000	666.804	0.000
L8	130 - 125 (8)	TP25.425x24.4x0.25	565.067	713.719	0.792	0.000	713.719	0.000
L9	125 - 120 (9)	TP26.45x25.425x0.25	705.701	761.193	0.927	0.000	761.193	0.000
L10	120 - 119.583 (10)	TP26.535x26.45x0.25	717.632	765.174	0.938	0.000	765.174	0.000
L11	119.583 - 119.333 (11)	TP26.586x26.535x0.375	724.800	1237.933	0.585	0.000	1237.933	0.000
L12	119.333 - 114.333 (12)	TP27.611x26.586x0.369	876.508	1315.958	0.666	0.000	1315.958	0.000
L13	114.333 - 111.833 (13)	TP28.124x27.611x0.369	957.625	1366.275	0.701	0.000	1366.275	0.000
L14	111.833 - 111.583 (14)	TP28.175x28.124x0.413	965.800	1526.833	0.633	0.000	1526.833	0.000
L15	111.583 - 106.583 (15)	TP29.2x28.175x0.4	1131.892	1594.808	0.710	0.000	1594.808	0.000
L16	106.583 - 97.167 (16)	TP31.13x29.2x0.4	1288.333	1701.283	0.757	0.000	1701.283	0.000
L17	97.167 - 97 (17)	TP30.665x29.639x0.525	1464.083	2284.500	0.641	0.000	2284.500	0.000
L18	97 - 92 (18)	TP31.69x30.665x0.513	1645.158	2388.625	0.689	0.000	2388.625	0.000
L19	92 - 87 (19)	TP32.715x31.69x0.513	1831.208	2549.617	0.718	0.000	2549.617	0.000
L20	87 - 82 (20)	TP33.74x32.715x0.513	2022.217	2715.858	0.745	0.000	2715.858	0.000
L21	82 - 79.333 (21)	TP34.287x33.74x0.5	2126.125	2741.267	0.776	0.000	2741.267	0.000
L22	79.333 - 79.083 (22)	TP34.338x34.287x0.775	2135.933	4158.900	0.514	0.000	4158.900	0.000
L23	79.083 - 75.25 (23)	TP35.124x34.338x0.75	2288.050	4226.842	0.541	0.000	4226.842	0.000
L24	75.25 - 75 (24)	TP35.176x35.124x0.75	2298.083	4239.592	0.542	0.000	4239.592	0.000
L25	75 - 70 (25)	TP36.201x35.176x0.75	2501.508	4498.650	0.556	0.000	4498.650	0.000
L26	70 - 65 (26)	TP37.226x36.201x0.725	2709.708	4616.025	0.587	0.000	4616.025	0.000
L27	65 - 63.25 (27)	TP37.585x37.226x0.725	2783.575	4708.125	0.591	0.000	4708.125	0.000
L28	63.25 - 63 (28)	TP37.636x37.585x0.8	2794.167	5178.075	0.540	0.000	5178.075	0.000
L29	63 - 58 (29)	TP38.662x37.636x0.788	3008.292	5393.292	0.558	0.000	5393.292	0.000
L30	58 - 49.083 (30)	TP40.49x38.662x0.775	3138.800	5488.633	0.572	0.000	5488.633	0.000
L31	49.083 - 48.083 (31)	TP39.882x38.527x0.838	3446.317	6091.658	0.566	0.000	6091.658	0.000
L32	48.083 - 43.083 (32)	TP40.861x39.882x0.825	3674.100	6314.717	0.582	0.000	6314.717	0.000
L33	43.083 - 38.417 (33)	TP41.775x40.861x0.813	3890.367	6515.125	0.597	0.000	6515.125	0.000
L34	38.417 - 38.167 (34)	TP41.824x41.775x0.713	3902.042	5769.058	0.676	0.000	5769.058	0.000
L35	38.167 - 37.583 (35)	TP41.938x41.824x0.713	3929.367	5801.483	0.677	0.000	5801.483	0.000
L36	37.583 - 37.333 (36)	TP41.987x41.938x0.863	3941.075	6963.208	0.566	0.000	6963.208	0.000
L37	37.333 - 35.75 (37)	TP42.297x41.987x0.863	4015.458	7069.700	0.568	0.000	7069.700	0.000
L38	35.75 - 35.5 (38)	TP42.346x42.297x0.588	4027.233	4923.733	0.818	0.000	4923.733	0.000
L39	35.5 - 30.5 (39)	TP43.326x42.346x0.575	4264.467	5053.700	0.844	0.000	5053.700	0.000
L40	30.5 - 25.5 (40)	TP44.305x43.326x0.575	4504.725	5289.483	0.852	0.000	5289.483	0.000
L41	25.5 - 20.5 (41)	TP45.285x44.305x0.575	4747.808	5530.633	0.858	0.000	5530.633	0.000
L42	20.5 - 15.5 (42)	TP46.264x45.285x0.575	4993.517	5777.167	0.864	0.000	5777.167	0.000
L43	15.5 - 10.5 (43)	TP47.243x46.264x0.563	5241.600	5883.075	0.891	0.000	5883.075	0.000

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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 $\frac{M_{uy}}{\phi M_{ny}}$
L44	10.5 - 5.5 (44)	TP48.223x47.243x0.563	5491.958	6095.783	0.901	0.000	6095.783	0.000
L45	5.5 - 0.5 (45)	TP49.202x48.223x0.563	5744.541	6310.533	0.910	0.000	6310.533	0.000
L46	0.5 - 0 (46)	TP49.3x49.202x0.563	5769.925	6332.117	0.911	0.000	6332.117	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	160 - 155 (1)	TP20x20x0.25	8.807	146.585	0.060	0.140	254.528	0.001
L2	155 - 150.5 (2)	TP20x20x0.25	9.576	146.585	0.065	0.118	254.528	0.000
L3	150.5 - 150 (3)	TP20.3x20.3x0.25	9.661	148.811	0.065	0.142	262.319	0.001
L4	150 - 145 (4)	TP21.325x20.3x0.25	14.693	297.741	0.049	0.094	551.957	0.000
L5	145 - 140 (5)	TP22.35x21.325x0.25	15.588	312.221	0.050	0.173	606.948	0.000
L6	140 - 135 (6)	TP23.375x22.35x0.25	17.302	326.701	0.053	0.403	664.551	0.001
L7	135 - 130 (7)	TP24.4x23.375x0.25	22.872	341.181	0.067	0.947	724.764	0.001
L8	130 - 125 (8)	TP25.425x24.4x0.25	27.686	355.661	0.078	0.952	787.588	0.001
L9	125 - 120 (9)	TP26.45x25.425x0.25	28.579	370.141	0.077	1.141	853.025	0.001
L10	120 - 119.583 (10)	TP26.535x26.45x0.25	28.647	371.349	0.077	1.152	858.600	0.001
L11	119.583 - 119.333 (11)	TP26.586x26.535x0.375	28.692	555.460	0.052	1.158	1280.683	0.001
L12	119.333 - 114.333 (12)	TP27.611x26.586x0.369	32.208	567.690	0.057	1.298	1360.375	0.001
L13	114.333 - 111.833 (13)	TP28.124x27.611x0.369	32.692	578.369	0.057	1.358	1412.033	0.001
L14	111.833 - 111.583 (14)	TP28.175x28.124x0.413	32.728	647.164	0.051	1.363	1580.417	0.001
L15	111.583 - 106.583 (15)	TP29.2x28.175x0.4	33.703	651.004	0.052	1.496	1649.200	0.001
L16	106.583 - 97.167 (16)	TP31.13x29.2x0.4	34.578	672.239	0.051	1.628	1758.550	0.001
L17	97.167 - 97 (17)	TP30.665x29.639x0.525	35.711	894.189	0.040	1.777	2370.642	0.001
L18	97 - 92 (18)	TP31.69x30.665x0.513	36.717	902.954	0.041	1.926	2476.308	0.001
L19	92 - 87 (19)	TP32.715x31.69x0.513	37.710	932.647	0.040	2.077	2641.850	0.001
L20	87 - 82 (20)	TP33.74x32.715x0.513	38.701	962.341	0.040	2.229	2812.750	0.001
L21	82 - 79.333 (21)	TP34.287x33.74x0.5	39.232	954.674	0.041	2.282	2837.317	0.001
L22	79.333 - 79.083 (22)	TP34.338x34.287x0.775	39.266	1469.950	0.027	2.286	4339.783	0.001
L23	79.083 - 75.25 (23)	TP35.124x34.338x0.75	40.101	1456.900	0.028	2.364	4405.192	0.001
L24	75.25 - 75 (24)	TP35.176x35.124x0.75	40.141	1459.070	0.028	2.368	4418.342	0.001
L25	75 - 70 (25)	TP36.201x35.176x0.75	41.220	1502.530	0.027	2.470	4685.433	0.001
L26	70 - 65 (26)	TP37.226x36.201x0.725	42.062	1495.470	0.028	2.469	4801.592	0.001
L27	65 - 63.25 (27)	TP37.585x37.226x0.725	42.367	1510.170	0.028	2.469	4896.467	0.001
L28	63.25 - 63 (28)	TP37.636x37.585x0.8	42.388	1665.330	0.025	2.468	5396.033	0.000
L29	63 - 58 (29)	TP38.662x37.636x0.788	43.253	1685.490	0.026	2.467	5615.225	0.000
L30	58 - 49.083 (30)	TP40.49x38.662x0.775	43.752	1686.220	0.026	2.466	5710.767	0.000
L31	49.083 - 48.083 (31)	TP39.882x38.527x0.838	45.129	1847.880	0.024	2.465	6346.417	0.000
L32	48.083 - 43.083 (32)	TP40.861x39.882x0.825	45.995	1866.540	0.025	2.659	6573.367	0.000
L33	43.083 -	TP41.775x40.861x0.813	46.713	1880.800	0.025	2.658	6776.858	0.000

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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 $\frac{T_u}{\phi T_n}$
L34	38.417 (33)	TP41.824x41.775x0.713	46.732	1655.310	0.028	2.658	5986.083	0.000
L35	38.417 - 38.167 (34)	TP41.938x41.824x0.713	46.822	1659.920	0.028	2.658	6019.441	0.000
L36	38.167 - 37.583 (35)	TP41.987x41.938x0.863	46.852	2004.450	0.023	2.658	7251.025	0.000
L37	37.583 - 37.333 (36)	TP42.297x41.987x0.863	47.118	2019.570	0.023	2.657	7360.775	0.000
L38	37.333 - 35.75 (37)	TP42.346x42.297x0.588	47.127	1386.400	0.034	2.657	5092.575	0.001
L39	35.75 - 35.5 (38)	TP43.326x42.346x0.575	47.770	1389.130	0.034	2.656	5223.817	0.001
L40	35.5 - 30.5 (39)	TP44.305x43.326x0.575	48.356	1420.960	0.034	2.655	5465.900	0.000
L41	30.5 - 25.5 (40)	TP45.285x44.305x0.575	48.903	1452.780	0.034	2.654	5713.475	0.000
L42	25.5 - 20.5 (41)	TP46.264x45.285x0.575	49.403	1484.610	0.033	2.653	5966.533	0.000
L43	20.5 - 15.5 (42)	TP47.243x46.264x0.563	49.861	1483.860	0.034	2.653	6093.008	0.000
L44	15.5 - 10.5 (43)	TP48.223x47.243x0.563	50.310	1514.990	0.033	2.652	6351.358	0.000
L45	10.5 - 5.5 (44)	TP49.202x48.223x0.563	50.752	1546.130	0.033	2.652	6615.075	0.000
L46	5.5 - 0.5 (45)	TP49.3x49.202x0.563	50.779	1549.240	0.033	2.652	6641.741	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio P_u	Ratio M_{ux}	Ratio M_{uy}	Ratio V_u	Ratio T_u	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	160 - 155 (1)	0.006	0.204	0.000	0.060	0.001	0.214	1.050	4.8.2
L2	155 - 150.5 (2)	0.006	0.376	0.000	0.065	0.000	0.386	1.050	4.8.2
L3	150.5 - 150 (3)	0.006	0.385	0.000	0.065	0.001	0.396	1.050	4.8.2
L4	150 - 145 (4)	0.006	0.312	0.000	0.049	0.000	0.320	1.050	4.8.2
L5	145 - 140 (5)	0.006	0.419	0.000	0.050	0.000	0.428	1.050	4.8.2
L6	140 - 135 (6)	0.007	0.520	0.000	0.053	0.001	0.530	1.050	4.8.2
L7	135 - 130 (7)	0.009	0.661	0.000	0.067	0.001	0.675	1.050	4.8.2
L8	130 - 125 (8)	0.012	0.792	0.000	0.078	0.001	0.810	1.050	4.8.2
L9	125 - 120 (9)	0.012	0.927	0.000	0.077	0.001	0.945	1.050	4.8.2
L10	120 - 119.583 (10)	0.012	0.938	0.000	0.077	0.001	0.956	1.050	4.8.2
L11	119.583 - 119.333 (11)	0.008	0.585	0.000	0.052	0.001	0.596	1.050	4.8.2
L12	119.333 - 114.333 (12)	0.009	0.666	0.000	0.057	0.001	0.679	1.050	4.8.2
L13	114.333 - 111.833 (13)	0.009	0.701	0.000	0.057	0.001	0.713	1.050	4.8.2
L14	111.833 - 111.583 (14)	0.008	0.633	0.000	0.051	0.001	0.644	1.050	4.8.2
L15	111.583 - 106.583 (15)	0.009	0.710	0.000	0.052	0.001	0.721	1.050	4.8.2
L16	106.583 - 97.167 (16)	0.009	0.757	0.000	0.051	0.001	0.769	1.050	4.8.2
L17	97.167 - 97 (17)	0.007	0.641	0.000	0.040	0.001	0.650	1.050	4.8.2
L18	97 - 92 (18)	0.008	0.689	0.000	0.041	0.001	0.698	1.050	4.8.2
L19	92 - 87 (19)	0.008	0.718	0.000	0.040	0.001	0.728	1.050	4.8.2
L20	87 - 82 (20)	0.008	0.745	0.000	0.040	0.001	0.754	1.050	4.8.2
L21	82 - 79.333 (21)	0.008	0.776	0.000	0.041	0.001	0.786	1.050	4.8.2

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Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L22	79.333 - 79.083 (22)	0.005	0.514	0.000	0.027	0.001	0.520	1.050	4.8.2
L23	79.083 - 75.25 (23)	0.006	0.541	0.000	0.028	0.001	0.548	1.050	4.8.2
L24	75.25 - 75 (24)	0.006	0.542	0.000	0.028	0.001	0.549	1.050	4.8.2
L25	75 - 70 (25)	0.006	0.556	0.000	0.027	0.001	0.563	1.050	4.8.2
L26	70 - 65 (26)	0.006	0.587	0.000	0.028	0.001	0.594	1.050	4.8.2
L27	65 - 63.25 (27)	0.007	0.591	0.000	0.028	0.001	0.599	1.050	4.8.2
L28	63.25 - 63 (28)	0.006	0.540	0.000	0.025	0.000	0.546	1.050	4.8.2
L29	63 - 58 (29)	0.006	0.558	0.000	0.026	0.000	0.565	1.050	4.8.2
L30	58 - 49.083 (30)	0.006	0.572	0.000	0.026	0.000	0.579	1.050	4.8.2
L31	49.083 - 48.083 (31)	0.007	0.566	0.000	0.024	0.000	0.573	1.050	4.8.2
L32	48.083 - 43.083 (32)	0.007	0.582	0.000	0.025	0.000	0.590	1.050	4.8.2
L33	43.083 - 38.417 (33)	0.007	0.597	0.000	0.025	0.000	0.605	1.050	4.8.2
L34	38.417 - 38.167 (34)	0.008	0.676	0.000	0.028	0.000	0.686	1.050	4.8.2
L35	38.167 - 37.583 (35)	0.008	0.677	0.000	0.028	0.000	0.687	1.050	4.8.2
L36	37.583 - 37.333 (36)	0.007	0.566	0.000	0.023	0.000	0.574	1.050	4.8.2
L37	37.333 - 35.75 (37)	0.007	0.568	0.000	0.023	0.000	0.576	1.050	4.8.2
L38	35.75 - 35.5 (38)	0.010	0.818	0.000	0.034	0.001	0.830	1.050	4.8.2
L39	35.5 - 30.5 (39)	0.011	0.844	0.000	0.034	0.001	0.856	1.050	4.8.2
L40	30.5 - 25.5 (40)	0.011	0.852	0.000	0.034	0.000	0.864	1.050	4.8.2
L41	25.5 - 20.5 (41)	0.011	0.858	0.000	0.034	0.000	0.871	1.050	4.8.2
L42	20.5 - 15.5 (42)	0.011	0.864	0.000	0.033	0.000	0.877	1.050	4.8.2
L43	15.5 - 10.5 (43)	0.012	0.891	0.000	0.034	0.000	0.904	1.050	4.8.2
L44	10.5 - 5.5 (44)	0.012	0.901	0.000	0.033	0.000	0.914	1.050	4.8.2
L45	5.5 - 0.5 (45)	0.012	0.910	0.000	0.033	0.000	0.924	1.050	4.8.2
L46	0.5 - 0 (46)	0.012	0.911	0.000	0.033	0.000	0.925	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	160 - 155	Pole	TP20x20x0.25	1	-2.844	513.047	**	**
L2	155 - 150.5	Pole	TP20x20x0.25	2	-3.094	513.047	**	**
L3	150.5 - 150	Pole	TP20.3x20.3x0.25	3	-3.125	520.840	**	**
L4	150 - 145	Pole	TP21.325x20.3x0.25	4	-5.948	1042.095	**	**
L5	145 - 140	Pole	TP22.35x21.325x0.25	5	-6.340	1092.777	**	**
L6	140 - 135	Pole	TP23.375x22.35x0.25	6	-7.231	1143.450	**	**
L7	135 - 130	Pole	TP24.4x23.375x0.25	7	-10.367	1194.133	**	**
L8	130 - 125	Pole	TP25.425x24.4x0.25	8	-13.697	1244.817	**	**
L9	125 - 120	Pole	TP26.45x25.425x0.25	9	-14.408	1295.490	**	**
L10	120 - 119.583	Pole	TP26.535x26.45x0.25	10	-14.485	1299.721	**	**
L11	119.583 - 119.333	Pole	TP26.586x26.535x0.375	11	-14.534	1944.106	**	**
L12	119.333 - 114.333	Pole	TP27.611x26.586x0.369	12	-17.367	1986.915	**	**

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Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L13	114.333 - 111.833	Pole	TP28.124x27.611x0.369	13	-17.834	2024.295	**	**
L14	111.833 - 111.583	Pole	TP28.175x28.124x0.413	14	-17.909	2265.070	**	**
L15	111.583 - 106.583	Pole	TP29.2x28.175x0.4	15	-18.919	2278.510	**	**
L16	106.583 - 97.167	Pole	TP31.13x29.2x0.4	16	-19.892	2352.840	**	**
L17	97.167 - 97	Pole	TP30.665x29.639x0.525	17	-21.846	3129.661	**	**
L18	97 - 92	Pole	TP31.69x30.665x0.513	18	-23.158	3160.342	**	**
L19	92 - 87	Pole	TP32.715x31.69x0.513	19	-24.531	3264.261	**	**
L20	87 - 82	Pole	TP33.74x32.715x0.513	20	-25.943	3368.190	**	**
L21	82 - 79.333	Pole	TP34.287x33.74x0.5	21	-26.707	3341.362	**	**
L22	79.333 - 79.083	Pole	TP34.338x34.287x0.775	22	-26.832	5144.811	**	**
L23	79.083 - 75.25	Pole	TP35.124x34.338x0.75	23	-28.257	5099.146	**	**
L24	75.25 - 75	Pole	TP35.176x35.124x0.75	24	-28.371	5106.759	**	**
L25	75 - 70	Pole	TP36.201x35.176x0.75	25	-30.270	5258.841	**	**
L26	70 - 65	Pole	TP37.226x36.201x0.725	26	-32.237	5234.155	**	**
L27	65 - 63.25	Pole	TP37.585x37.226x0.725	27	-32.921	5285.605	**	**
L28	63.25 - 63	Pole	TP37.636x37.585x0.8	28	-33.057	5828.634	**	**
L29	63 - 58	Pole	TP38.662x37.636x0.788	29	-35.192	5899.204	**	**
L30	58 - 49.083	Pole	TP40.49x38.662x0.775	30	-36.501	5901.777	**	**
L31	49.083 - 48.083	Pole	TP39.882x38.527x0.838	31	-41.873	6467.569	**	**
L32	48.083 - 43.083	Pole	TP40.861x39.882x0.825	32	-44.340	6532.890	**	**
L33	43.083 - 38.417	Pole	TP41.775x40.861x0.813	33	-46.599	6582.796	**	**
L34	38.417 - 38.167	Pole	TP41.824x41.775x0.713	34	-46.728	5793.595	**	**
L35	38.167 - 37.583	Pole	TP41.938x41.824x0.713	35	-46.979	5809.723	**	**
L36	37.583 - 37.333	Pole	TP41.987x41.938x0.863	36	-47.115	7015.585	**	**
L37	37.333 - 35.75	Pole	TP42.297x41.987x0.863	37	-47.899	7068.484	**	**
L38	35.75 - 35.5	Pole	TP42.346x42.297x0.588	38	-48.022	4852.407	**	**
L39	35.5 - 30.5	Pole	TP43.326x42.346x0.575	39	-50.016	4861.972	**	**
L40	30.5 - 25.5	Pole	TP44.305x43.326x0.575	40	-52.066	4973.356	**	**
L41	25.5 - 20.5	Pole	TP45.285x44.305x0.575	41	-54.149	5084.740	**	**
L42	20.5 - 15.5	Pole	TP46.264x45.285x0.575	42	-56.264	5196.124	**	**
L43	15.5 - 10.5	Pole	TP47.243x46.264x0.563	43	-58.416	5193.520	**	**
L44	10.5 - 5.5	Pole	TP48.223x47.243x0.563	44	-60.600	5302.479	**	**
L45	5.5 - 0.5	Pole	TP49.202x48.223x0.563	45	-62.814	5411.448	**	**
L46	0.5 - 0	Pole	TP49.3x49.202x0.563	46	-63.051	5422.336	**	**
							Summary	
							Pole (L10)	**
							RATING =	**

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

APPENDIX B
BASE LEVEL DRAWING

(OTHER CONSIDERED EQUIPMENT)
(2) 3/8" TO 161 FT LEVEL
(4) 3/4" TO 161 FT LEVEL
(12) 1-5/8" TO 161 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(3) 1-5/8" TO 135 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 47 FT LEVEL

CLIMBING PEGS
W/ SAFETY CLIMB

(OTHER CONSIDERED EQUIPMENT)
(3) 1-3/8" TO 116 FT LEVEL
(6) 1-5/8" TO 116 FT LEVEL

(PROPOSED EQUIPMENT CONFIGURATION)
(6) 7/8" TO 149 FT LEVEL
(2) 1-5/8" TO 149 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(1) 1-1/2" TO 127 FT LEVEL

BUSINESS UNIT: 806373

APPENDIX C
ADDITIONAL CALCULATIONS

Site BU: 806373
Work Order: 2014677



Pole Geometry

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	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	160	9.5	0	0	20	20	0.25		A53-B-35
2	150.5	0.5	0	0	20.30	20.3	0.25		A53-B-35
3	150	52.833	4.833	12	20.30	31.13	0.25	Auto	A572-65
4	102	52.917	5.917	12	29.64	40.49	0.375	Auto	A572-65
5	55	55	0	12	38.53	49.3	0.4375	Auto	A572-65

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12
1	0	37.583	plate	PL 6"x1"	3				E1				E1				E1
2	38.417	75.25	plate	PL 4.25"x1"	3	E1				E1				E1			
3	75.25	111.833	plate	PL 4.25"x1"	3				E1				E1				E1
4	111.833	119.583	plate	PL 4.25"x0.75"	3	E1				E1				E1			
5	35.75	63.25	plate	CCI-SFP-085125	3		E2				E2				E2		
6	63.25	79.333	plate	CCI-SFP-065125	3		E2				E2				E2		
7																	
8																	
9																	
10																	

Reinforcement Details

	B (in)	H (in)	Gross Area (in ²)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in2)	Bolt Hole Size (in)	Reinforcement Material
1	6	1	6	0.5	PC 8.8 - M20 (100)	35	PC 8.8 - M20 (100)	35.000	17.000	4.750	1.1875	A514-GR100
2	4.25	1	4.25	0.5	PC 8.8 - M20 (100)	20	PC 8.8 - M20 (100)	20.000	20.000	3.000	1.1875	A514-GR100
3	4.25	1	4.25	0.5	PC 8.8 - M20 (100)	20	PC 8.8 - M20 (100)	20.000	20.000	3.000	1.1875	A514-GR100
4	4.25	0.75	3.1875	0.375	PC 8.8 - M20 (100)	17	PC 8.8 - M20 (100)	17.000	15.000	2.250	1.1875	A514-GR100
5	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	45	PC 8.8 - M20 (100)	45.000	17.000	9.063	1.1875	A572-65
6	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.000	6.563	1.1875	A572-65

Connection Details for Custom Reinforcements

Reinforcement	End	# Bolts	N or X	Bolt Spacing (in)	Edge Dist (in)	Weld Grade (ksi)	Transverse (Horiz.) Weld Type	Horiz. Weld Length (in)	Horiz. Groove Depth (in)	Horiz. Groove Angle (deg)	Horiz. Fillet Size (in)	Vertical Weld Length (in)	Vertical Fillet Size (in)	Rev H Connection Capacity (kip)
PL 6"x1"	Top	12	N	3	2	-	-	-	-	-	-	-	-	-
	Bottom	12	N	3	2	-	-	-	-	-	-	-	-	-
PL 4.25"x1"	Top	7	N	3	2	-	-	-	-	-	-	-	-	-
	Bottom	7	N	3	2	-	-	-	-	-	-	-	-	-
PL 4.25"x0.75"	Top	6	N	3	2	-	-	-	-	-	-	-	-	-
	Bottom	6	N	3	2	-	-	-	-	-	-	-	-	-

TNX Geometry Input

Increment (ft): [Export to TNX](#)

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	160 - 155	5		0	20.000	20.000	0.25	A53-B-35	1.000
2	155 - 150.5	4.5	0	0	20.000	20.000	0.25	A53-B-35	1.000
3	150.5 - 150	0.5	0	0	20.300	20.300	0.25	A53-B-35	1.000
4	150 - 145	5		12	20.300	21.325	0.25	A572-65	1.000
5	145 - 140	5		12	21.325	22.350	0.25	A572-65	1.000
6	140 - 135	5		12	22.350	23.375	0.25	A572-65	1.000
7	135 - 130	5		12	23.375	24.400	0.25	A572-65	1.000
8	130 - 125	5		12	24.400	25.425	0.25	A572-65	1.000
9	125 - 120	5		12	25.425	26.450	0.25	A572-65	1.000
10	120 - 119.583	0.417		12	26.450	26.535	0.25	A572-65	1.000
11	119.583 - 119.333	0.25		12	26.535	26.586	0.375	A572-65	0.972
12	119.333 - 114.333	5		12	26.586	27.611	0.36875	A572-65	0.977
13	114.333 - 111.833	2.5		12	27.611	28.124	0.36875	A572-65	0.971
14	111.833 - 111.583	0.25		12	28.124	28.175	0.4125	A572-65	0.956
15	111.583 - 106.583	5		12	28.175	29.200	0.4	A572-65	0.972
16	106.583 - 102	9.416	4.833	12	29.200	31.130	0.4	A572-65	0.961
17	102 - 97	5		12	29.639	30.665	0.525	A572-65	0.968
18	97 - 92	5		12	30.665	31.690	0.5125	A572-65	0.983
19	92 - 87	5		12	31.690	32.715	0.5125	A572-65	0.975
20	87 - 82	5		12	32.715	33.740	0.5125	A572-65	0.968
21	82 - 79.333	2.667		12	33.740	34.287	0.5	A572-65	0.987
22	79.333 - 79.083	0.25		12	34.287	34.338	0.775	A572-65	0.934
23	79.083 - 75.25	3.833		12	34.338	35.124	0.75	A572-65	0.953
24	75.25 - 75	0.25		12	35.124	35.176	0.75	A572-65	0.953
25	75 - 70	5		12	35.176	36.201	0.75	A572-65	0.940
26	70 - 65	5		12	36.201	37.226	0.725	A572-65	0.959
27	65 - 63.25	1.75		12	37.226	37.585	0.725	A572-65	0.954
28	63.25 - 63	0.25		12	37.585	37.636	0.8	A572-65	0.945
29	63 - 58	5		12	37.636	38.662	0.7875	A572-65	0.947
30	58 - 55	8.917	5.917	12	38.662	40.490	0.775	A572-65	0.954
31	55 - 48.083	6.917		12	38.527	39.882	0.8375	A572-65	0.952
32	48.083 - 43.083	5		12	39.882	40.861	0.825	A572-65	0.956
33	43.083 - 38.417	4.666		12	40.861	41.775	0.8125	A572-65	0.960
34	38.417 - 38.167	0.25		12	41.775	41.824	0.7125	A572-65	0.957
35	38.167 - 37.583	0.584		12	41.824	41.938	0.7125	A572-65	0.956
36	37.583 - 37.333	0.25		12	41.938	41.987	0.8625	A572-65	0.950
37	37.333 - 35.75	1.583		12	41.987	42.297	0.8625	A572-65	0.946
38	35.75 - 35.5	0.25		12	42.297	42.346	0.5875	A572-65	0.976
39	35.5 - 30.5	5		12	42.346	43.326	0.575	A572-65	0.991
40	30.5 - 25.5	5		12	43.326	44.305	0.575	A572-65	0.986
41	25.5 - 20.5	5		12	44.305	45.285	0.575	A572-65	0.981
42	20.5 - 15.5	5		12	45.285	46.264	0.575	A572-65	0.976
43	15.5 - 10.5	5		12	46.264	47.243	0.5625	A572-65	0.993
44	10.5 - 5.5	5		12	47.243	48.223	0.5625	A572-65	0.989
45	5.5 - 0.5	5		12	48.223	49.202	0.5625	A572-65	0.984
46	0.5 - 0	0.5		12	49.202	49.300	0.5625	A572-65	0.984

TNX Section Forces

Increment (ft):		TNX Output		
	Section Height (ft)	P _u (K)	M _{ux} (kip-ft)	V _u (K)
1	160 - 155	2.84	49.22	8.81
2	155 - 150.5	3.09	90.61	9.58
3	150.5 - 150	3.12	95.43	9.66
4	150 - 145	5.95	165.38	14.69
5	145 - 140	6.34	241.10	15.59
6	140 - 135	7.23	322.94	17.30
7	135 - 130	10.37	440.69	22.87
8	130 - 125	13.70	565.07	27.69
9	125 - 120	14.41	705.70	28.58
10	120 - 119.583	14.49	717.63	28.65
11	119.583 - 119.333	14.53	724.80	28.69
12	119.333 - 114.333	17.37	876.51	32.21
13	114.333 - 111.833	17.83	957.62	32.69
14	111.833 - 111.583	17.91	965.80	32.73
15	111.583 - 106.583	18.92	1131.89	33.70
16	106.583 - 102	19.89	1288.34	34.58
17	102 - 97	21.85	1464.08	35.71
18	97 - 92	23.16	1645.16	36.72
19	92 - 87	24.53	1831.21	37.71
20	87 - 82	25.94	2022.22	38.70
21	82 - 79.333	26.71	2126.12	39.23
22	79.333 - 79.083	26.83	2135.93	39.27
23	79.083 - 75.25	28.26	2288.05	40.10
24	75.25 - 75	28.37	2298.08	40.14
25	75 - 70	30.27	2501.51	41.22
26	70 - 65	32.24	2709.71	42.06
27	65 - 63.25	32.92	2783.57	42.37
28	63.25 - 63	33.06	2794.17	42.39
29	63 - 58	35.19	3008.29	43.25
30	58 - 55	36.50	3138.80	43.75
31	55 - 48.083	41.87	3446.31	45.13
32	48.083 - 43.083	44.34	3674.10	45.99
33	43.083 - 38.417	46.60	3890.36	46.71
34	38.417 - 38.167	46.73	3902.05	46.73
35	38.167 - 37.583	46.98	3929.37	46.82
36	37.583 - 37.333	47.12	3941.08	46.85
37	37.333 - 35.75	47.90	4015.45	47.12
38	35.75 - 35.5	48.02	4027.23	47.13
39	35.5 - 30.5	50.02	4264.47	47.77
40	30.5 - 25.5	52.07	4504.72	48.36
41	25.5 - 20.5	54.15	4747.81	48.90
42	20.5 - 15.5	56.26	4993.51	49.40
43	15.5 - 10.5	58.42	5241.60	49.86
44	10.5 - 5.5	60.60	5491.96	50.31
45	5.5 - 0.5	62.81	5744.54	50.75
46	0.5 - 0	63.05	5769.92	50.78

Analysis Results

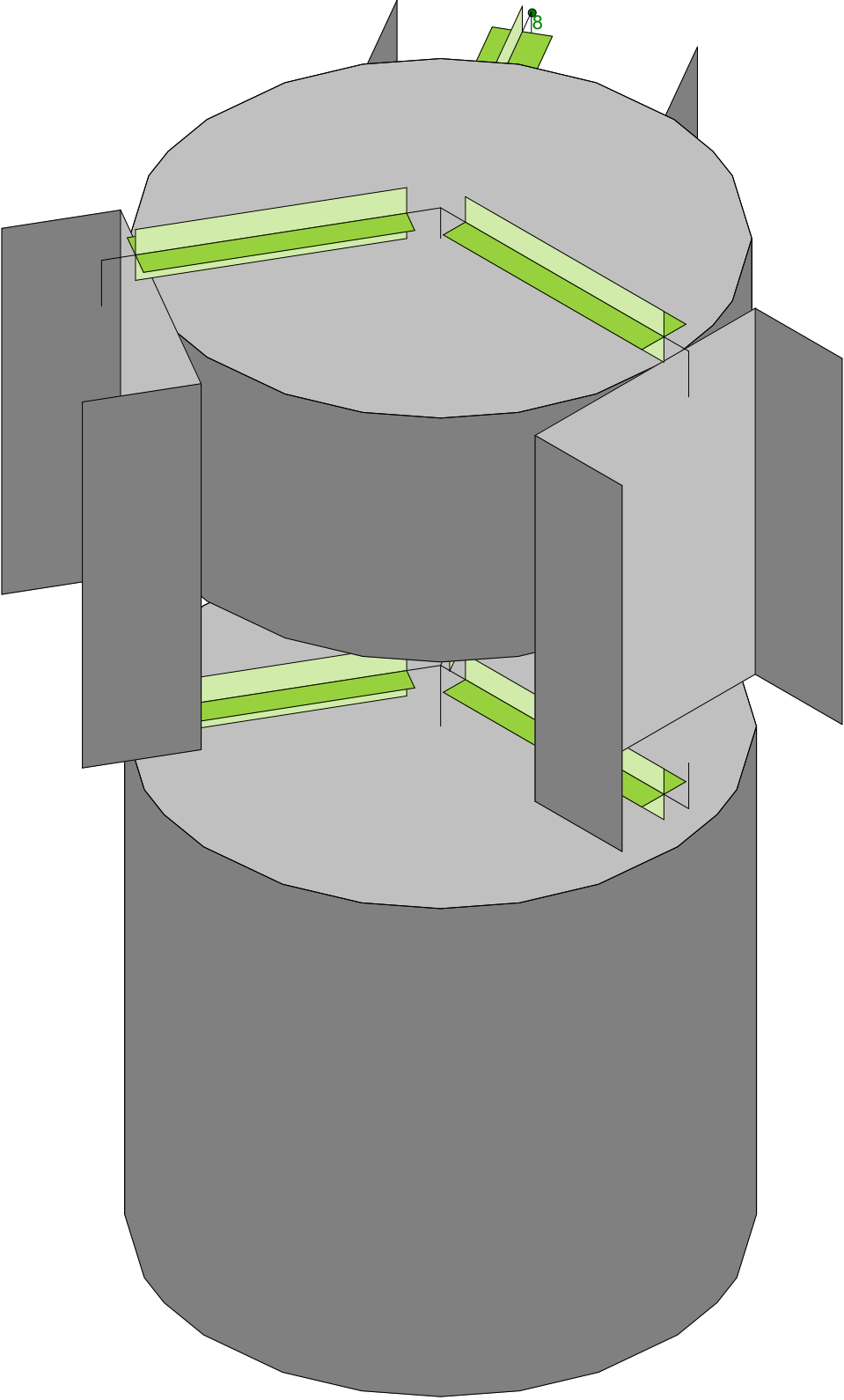
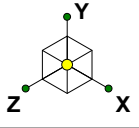
Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
160 - 155	Pole	TP20x20x0.25	Pole	20.3%	Pass
155 - 150.5	Pole	TP20x20x0.25	Pole	36.8%	Pass
150.5 - 150	Pole	TP20.3x20.3x0.25	Pole	37.7%	Pass
150 - 145	Pole	TP21.325x20.3x0.25	Pole	30.4%	Pass
145 - 140	Pole	TP22.35x21.325x0.25	Pole	40.6%	Pass
140 - 135	Pole	TP23.375x22.35x0.25	Pole	50.3%	Pass
135 - 130	Pole	TP24.4x23.375x0.25	Pole	64.1%	Pass
130 - 125	Pole	TP25.425x24.4x0.25	Pole	76.9%	Pass
125 - 120	Pole	TP26.45x25.425x0.25	Pole	89.7%	Pass
120 - 119.58	Pole	TP26.535x26.45x0.25	Pole	90.8%	Pass
119.58 - 119.33	Pole + Reinf.	TP26.586x26.535x0.375	Reinf. 4 Compression	71.8%	Pass
119.33 - 114.33	Pole + Reinf.	TP27.611x26.586x0.3688	Reinf. 4 Compression	81.5%	Pass
114.33 - 111.83	Pole + Reinf.	TP28.124x27.611x0.3688	Reinf. 4 Compression	86.2%	Pass
111.83 - 111.58	Pole + Reinf.	TP28.175x28.124x0.4125	Reinf. 3 Compression	78.7%	Pass
111.58 - 106.58	Pole + Reinf.	TP29.2x28.175x0.4	Reinf. 3 Compression	86.9%	Pass
106.58 - 102	Pole + Reinf.	TP31.13x29.2x0.4	Reinf. 3 Compression	93.8%	Pass
102 - 97	Pole + Reinf.	TP30.665x29.639x0.525	Reinf. 3 Compression	79.0%	Pass
97 - 92	Pole + Reinf.	TP31.69x30.665x0.5125	Reinf. 3 Compression	83.8%	Pass
92 - 87	Pole + Reinf.	TP32.715x31.69x0.5125	Reinf. 3 Compression	88.1%	Pass
87 - 82	Pole + Reinf.	TP33.74x32.715x0.5125	Reinf. 3 Compression	92.1%	Pass
82 - 79.33	Pole + Reinf.	TP34.287x33.74x0.5	Reinf. 3 Compression	94.1%	Pass
79.33 - 79.08	Pole + Reinf.	TP34.338x34.287x0.775	Reinf. 6 Tension Rupture	75.6%	Pass
79.08 - 75.25	Pole + Reinf.	TP35.124x34.338x0.75	Reinf. 6 Tension Rupture	78.3%	Pass
75.25 - 75	Pole + Reinf.	TP35.176x35.124x0.75	Reinf. 6 Tension Rupture	78.4%	Pass
75 - 70	Pole + Reinf.	TP36.201x35.176x0.75	Reinf. 6 Tension Rupture	81.7%	Pass
70 - 65	Pole + Reinf.	TP37.226x36.201x0.725	Reinf. 6 Tension Rupture	84.8%	Pass
65 - 63.25	Pole + Reinf.	TP37.585x37.226x0.725	Reinf. 6 Tension Rupture	85.9%	Pass
63.25 - 63	Pole + Reinf.	TP37.636x37.585x0.8	Reinf. 5 Bolt Shear	77.3%	Pass
63 - 58	Pole + Reinf.	TP38.662x37.636x0.7875	Reinf. 5 Compression	76.9%	Pass
58 - 55	Pole + Reinf.	TP40.49x38.662x0.775	Reinf. 5 Compression	78.3%	Pass
55 - 48.08	Pole + Reinf.	TP39.882x38.527x0.8375	Reinf. 5 Compression	77.8%	Pass
48.08 - 43.08	Pole + Reinf.	TP40.861x39.882x0.825	Reinf. 5 Compression	79.9%	Pass
43.08 - 38.42	Pole + Reinf.	TP41.775x40.861x0.8125	Reinf. 5 Compression	81.7%	Pass
38.42 - 38.17	Pole + Reinf.	TP41.824x41.775x0.7125	Reinf. 5 Compression	93.7%	Pass
38.17 - 37.58	Pole + Reinf.	TP41.938x41.824x0.7125	Reinf. 5 Compression	93.9%	Pass
37.58 - 37.33	Pole + Reinf.	TP41.987x41.938x0.8625	Reinf. 5 Compression	78.0%	Pass
37.33 - 35.75	Pole + Reinf.	TP42.297x41.987x0.8625	Reinf. 5 Bolt Shear	81.8%	Pass
35.75 - 35.5	Pole + Reinf.	TP42.346x42.297x0.5875	Reinf. 1 Compression	88.6%	Pass
35.5 - 30.5	Pole + Reinf.	TP43.326x42.346x0.575	Reinf. 1 Compression	90.1%	Pass
30.5 - 25.5	Pole + Reinf.	TP44.305x43.326x0.575	Reinf. 1 Compression	91.4%	Pass
25.5 - 20.5	Pole + Reinf.	TP45.285x44.305x0.575	Reinf. 1 Compression	92.7%	Pass
20.5 - 15.5	Pole + Reinf.	TP46.264x45.285x0.575	Reinf. 1 Compression	93.8%	Pass
15.5 - 10.5	Pole + Reinf.	TP47.243x46.264x0.5625	Reinf. 1 Compression	94.8%	Pass
10.5 - 5.5	Pole + Reinf.	TP48.223x47.243x0.5625	Reinf. 1 Compression	95.7%	Pass
5.5 - 0.5	Pole + Reinf.	TP49.202x48.223x0.5625	Reinf. 1 Compression	96.5%	Pass
0.5 - 0	Pole + Reinf.	TP49.3x49.202x0.5625	Pole	96.7%	Pass
				Summary	
			Pole	96.7%	Pass
			Reinforcement	96.6%	Pass
			Overall	96.7%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in ⁴)			Area (in ²)			% Capacity*							
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5	R6	
160 - 155	756	n/a	756	15.51	n/a	15.51	20.3%							
155 - 150.5	756	n/a	756	15.51	n/a	15.51	36.8%							
150.5 - 150	791	n/a	791	15.75	n/a	15.75	37.7%							
150 - 145	963	n/a	963	16.94	n/a	16.94	30.4%							
145 - 140	1111	n/a	1111	17.76	n/a	17.76	40.6%							
140 - 135	1272	n/a	1272	18.59	n/a	18.59	50.3%							
135 - 130	1449	n/a	1449	19.41	n/a	19.41	64.1%							
130 - 125	1642	n/a	1642	20.24	n/a	20.24	76.9%							
125 - 120	1850	n/a	1850	21.06	n/a	21.06	89.7%							
120 - 119.58	1869	n/a	1869	21.13	n/a	21.13	90.8%							
119.58 - 119.33	1879	901	2780	21.17	9.56	30.73	59.5%				71.8%			
119.33 - 114.33	2108	969	3076	21.99	9.56	31.56	68.6%				81.5%			
114.33 - 111.83	2228	1004	3232	22.41	9.56	31.97	73.2%				86.2%			
111.83 - 111.58	2240	1367	3607	22.45	12.75	35.20	66.3%			78.7%				
111.58 - 106.58	2496	1464	3960	23.27	12.75	36.02	74.5%			86.9%				
106.58 - 102	2747	1556	4303	24.03	12.75	36.78	81.8%			93.8%				
102 - 97	4289	1608	5897	36.52	12.75	49.27	59.8%			79.0%				
97 - 92	4739	1713	6453	37.76	12.75	50.51	63.8%			83.8%				
92 - 87	5220	1822	7042	38.99	12.75	51.74	67.8%			88.1%				
87 - 82	5733	1934	7666	40.23	12.75	52.98	71.6%			92.1%				
82 - 79.33	6019	1995	8014	40.89	12.75	53.64	73.6%			94.1%				
79.33 - 79.08	6046	5904	11950	40.95	37.13	78.08	49.7%			63.5%			75.6%	
79.08 - 75.25	6476	6166	12642	41.90	37.13	79.02	51.9%			65.7%			78.3%	
75.25 - 75	6505	6183	12688	41.96	37.13	79.09	52.0%		65.9%				78.4%	
75 - 70	7097	6534	13630	43.20	37.13	80.32	54.8%		68.6%				81.7%	
70 - 65	7724	6894	14618	44.43	37.13	81.56	57.5%		71.2%				84.8%	
65 - 63.25	7951	7023	14974	44.87	37.13	81.99	58.4%		72.1%				85.9%	
63.25 - 63	7984	8512	16496	44.93	44.63	89.55	53.3%		65.8%			77.3%		
63 - 58	8662	8962	17624	46.16	44.63	90.79	55.8%		68.1%			76.9%		
58 - 55	9086	9238	18323	46.91	44.63	91.53	57.2%		69.4%			78.3%		
55 - 48.08	11050	9513	20562	55.49	44.63	100.11	54.1%		68.9%			77.8%		
48.08 - 43.08	11894	9967	21860	56.87	44.63	101.49	56.1%		70.8%			79.9%		
43.08 - 38.42	12719	10400	23119	58.15	44.63	102.78	57.8%		72.4%			81.7%		
38.42 - 38.17	12764	7490	20254	58.22	31.88	90.09	66.3%					93.7%		
38.17 - 37.58	12870	7530	20400	58.38	31.88	90.26	66.6%					93.9%		
37.58 - 37.33	12916	11732	24648	58.45	49.88	108.32	55.3%	61.1%				78.0%		
37.33 - 35.75	13207	11900	25107	58.89	49.88	108.76	55.9%	61.6%				81.8%		
35.75 - 35.5	13253	4255	17509	58.95	18.00	76.95	80.5%	88.6%						
35.5 - 30.5	14204	4448	18653	60.33	18.00	78.33	82.5%	90.1%						
30.5 - 25.5	15200	4646	19846	61.71	18.00	79.71	84.5%	91.4%						
25.5 - 20.5	16241	4848	21089	63.09	18.00	81.09	86.4%	92.7%						
20.5 - 15.5	17328	5054	22382	64.47	18.00	82.47	88.2%	93.8%						
15.5 - 10.5	18463	5264	23727	65.84	18.00	83.84	90.0%	94.8%						
10.5 - 5.5	19646	5479	25126	67.22	18.00	85.22	91.7%	95.7%						
5.5 - 0.5	20879	5698	26578	68.60	18.00	86.60	93.3%	96.5%						
0.5 - 0	21005	5720	26726	68.74	18.00	86.74	96.7%	96.6%						

Note: Section capacity checked using 5 degree increments.

Rating per TIA-222-H Section 15.5.



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JP

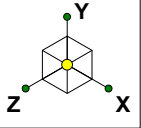
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806373 - HRT 101

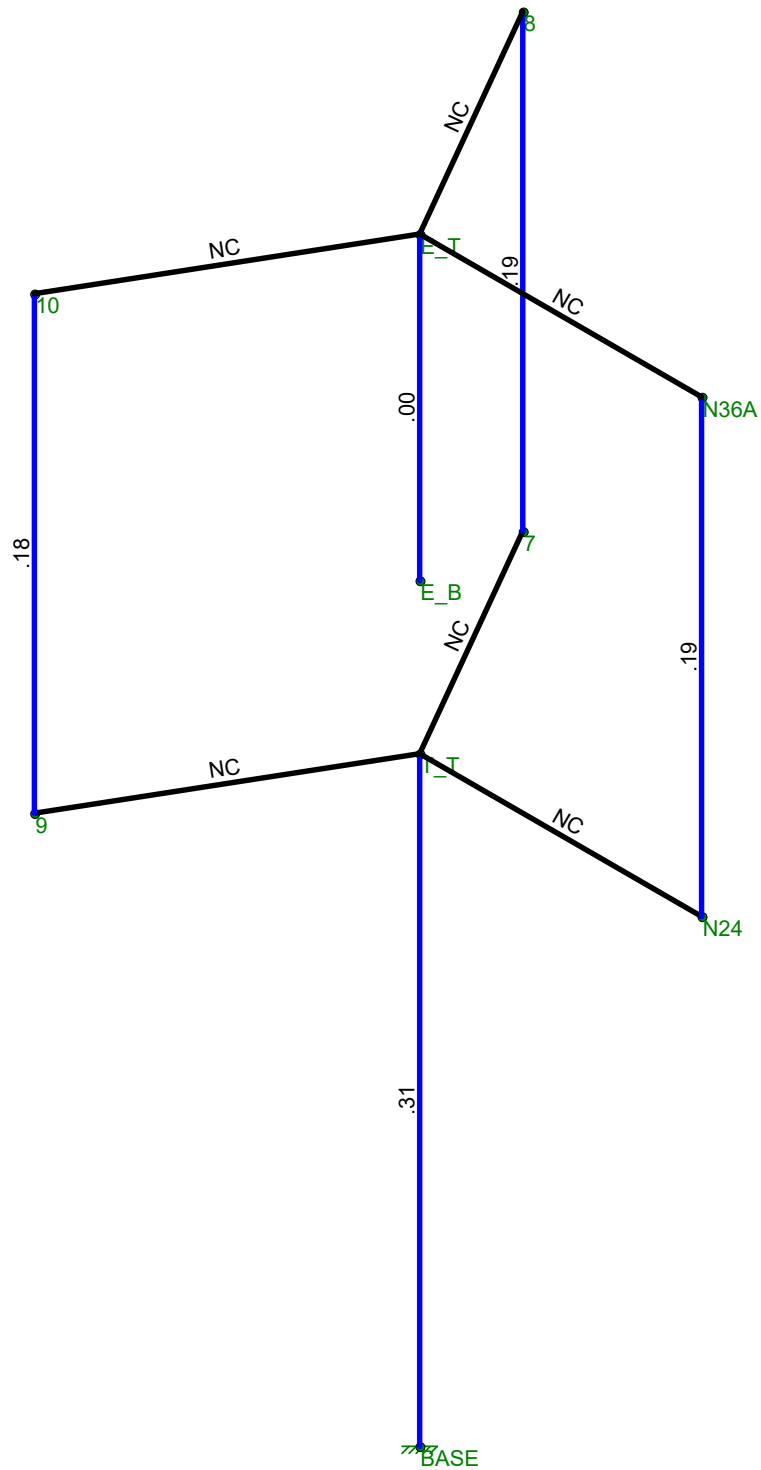
SK - 1

Aug 30, 2021 at 9:15 AM

89211_006_01_HRT 101_CT.r3d



Code Check (Env)	
	No Calc
	> 1.0
	.90-1.0
	.75-.90
	.50-.75
	0.-.50



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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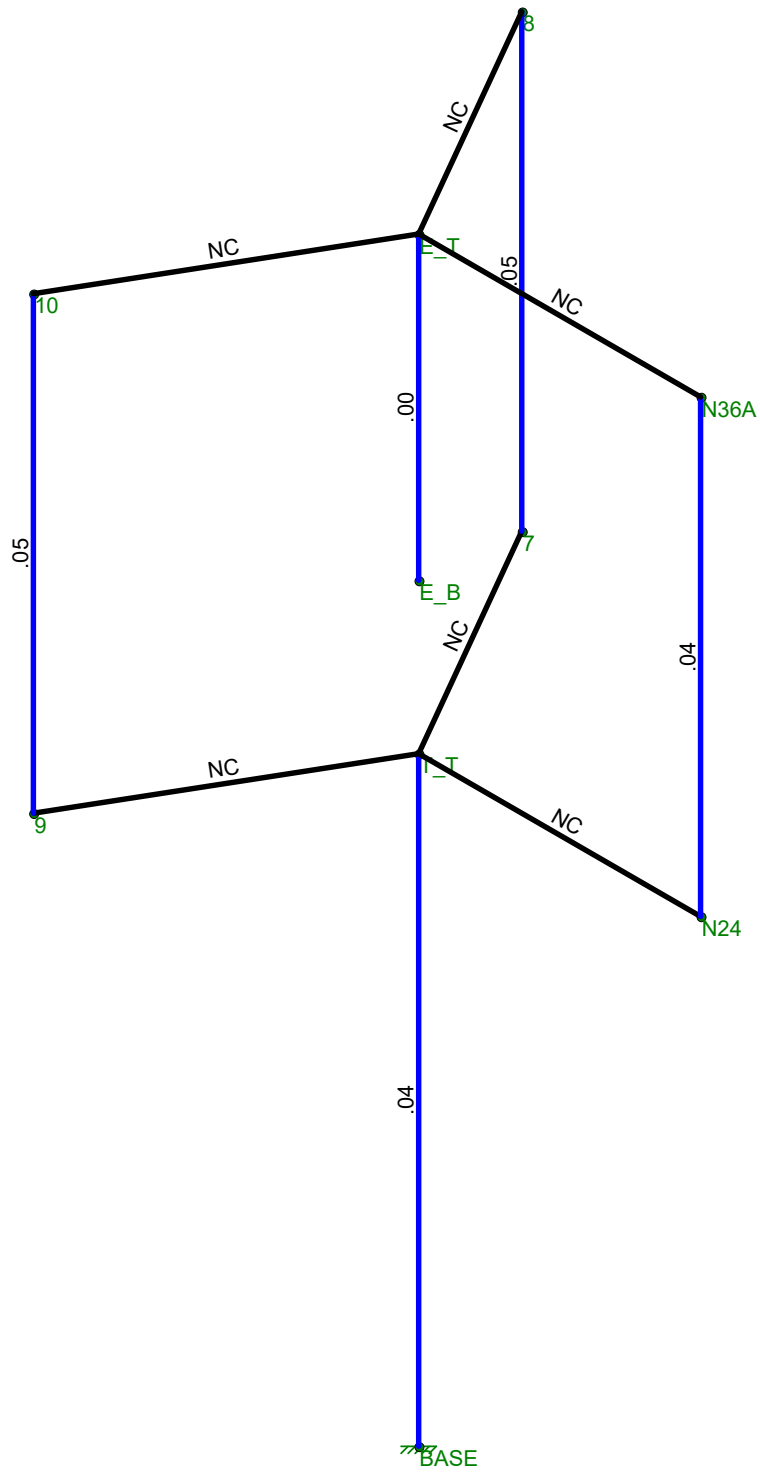
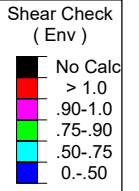
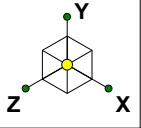
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SK - 2

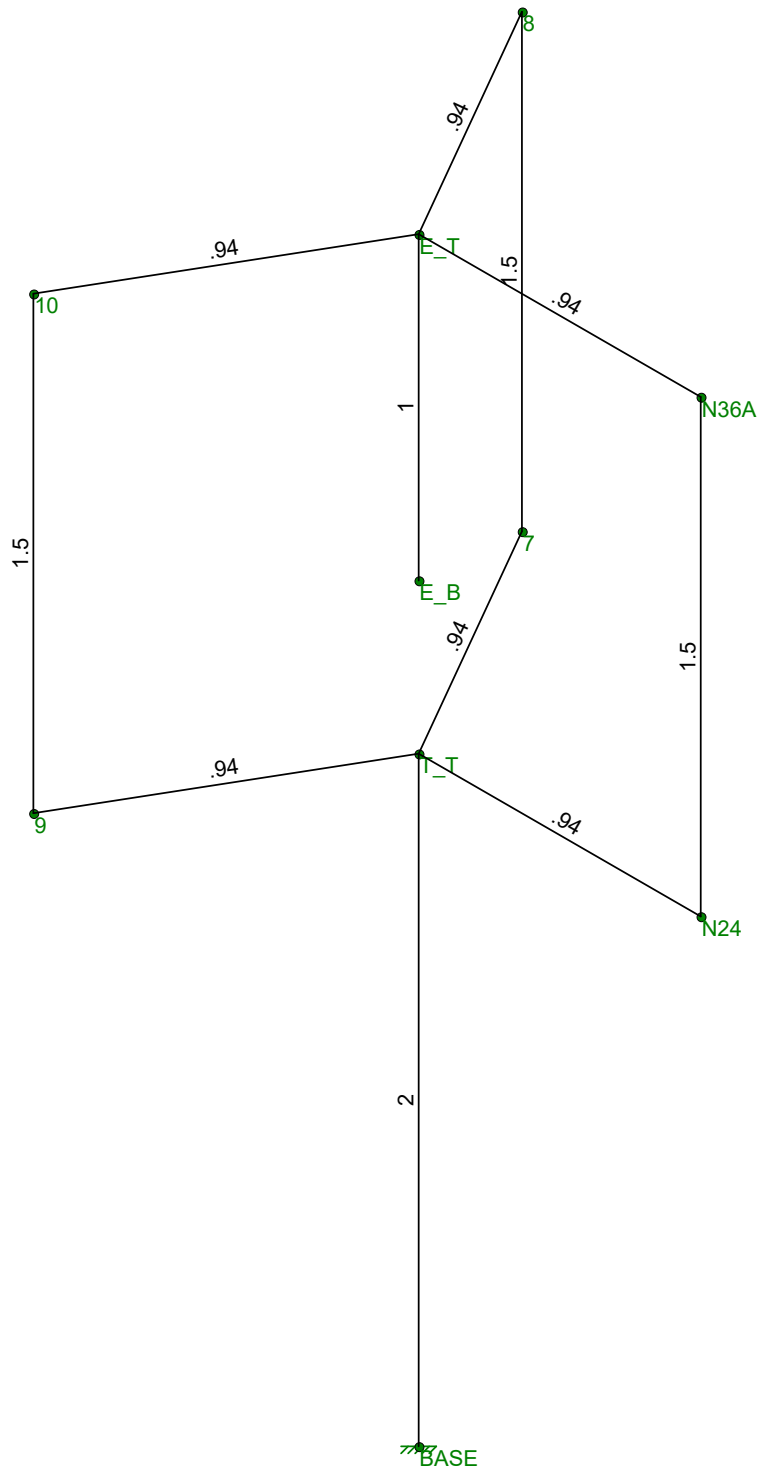
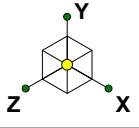
Aug 30, 2021 at 9:16 AM

89211_006_01_HRT 101_CT.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

B+T Group	806373 - HRT 101	SK - 3
JP		Aug 30, 2021 at 9:16 AM
89211.006.01		89211_006_01_HRT 101_CT.r3d



Member Length (ft) Displayed
Envelope Only Solution

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JP

89211.006.01

806373 - HRT 101

SK - 4

Aug 30, 2021 at 9:18 AM

89211_006_01_HRT 101_CT.r3d

(Global) Model Settings

Display Sections for Member Calcs	5
Max Internal Sections for Member Calcs	97
Include Shear Deformation?	Yes
Increase Nailing Capacity for Wind?	Yes
Include Warping?	Yes
Trans Load Btwn Intersecting Wood Wall?	Yes
Area Load Mesh (in^2)	144
Merge Tolerance (in)	.12
P-Delta Analysis Tolerance	0.50%
Include P-Delta for Walls?	Yes
Automatically Iterate Stiffness for Walls?	Yes
Max Iterations for Wall Stiffness	3
Gravity Acceleration (ft/sec^2)	32.2
Wall Mesh Size (in)	24
Eigensolution Convergence Tol. (1.E-)	4
Vertical Axis	Y
Global Member Orientation Plane	XZ
Static Solver	Sparse Accelerated
Dynamic Solver	Accelerated Solver

Hot Rolled Steel Code	AISC 15th(360-16): LRFD
Adjust Stiffness?	Yes(Iterative)
RISACONNECTION CODE	AISC 14th(360-10): LRFD
Cold Formed Steel Code	AISI S100-16: LRFD
Wood Code	AWC NDS-18: ASD
Wood Temperature	< 100F
Concrete Code	ACI 318-14
Masonry Code	ACI 530-13: ASD
Aluminum Code	AA ADM1-15: ASD - Building
Stainless Steel Code	AISC 14th(360-10): ASD
Adjust Stiffness?	Yes(Iterative)

Number of Shear Regions	4
Region Spacing Increment (in)	4
Biaxial Column Method	Exact Integration
Parame Beta Factor (PCA)	.65
Concrete Stress Block	Rectangular
Use Cracked Sections?	Yes
Use Cracked Sections Slab?	No
Bad Framing Warnings?	No
Unused Force Warnings?	Yes
Min 1 Bar Diam. Spacing?	No
Concrete Rebar Set	REBAR_SET_ASTMA615
Min % Steel for Column	1
Max % Steel for Column	8

(Global) Model Settings, Continued

Seismic Code	ASCE 7-10
Seismic Base Elevation (ft)	Not Entered
Add Base Weight?	Yes
Ct X	.02
Ct Z	.02
T X (sec)	Not Entered
T Z (sec)	Not Entered
R X	3
R Z	3
Ct Exp. X	.75
Ct Exp. Z	.75
SD1	1
SDS	1
S1	1
TL (sec)	5
Risk Cat	I or II
Drift Cat	Other
Om Z	1
Om X	1
Cd Z	1
Cd X	1
Rho Z	1
Rho X	1
Footing Overturning Safety Factor	1
Optimize for OTM/Sliding	No
Check Concrete Bearing	No
Footing Concrete Weight (k/ft^3)	.145
Footing Concrete f'c (ksi)	4
Footing Concrete Ec (ksi)	3644
Lambda	1
Footing Steel fy (ksi)	60
Minimum Steel	0.0018
Maximum Steel	0.0075
Footing Top Bar	#6
Footing Top Bar Cover (in)	1.5
Footing Bottom Bar	#6
Footing Bottom Bar Cover (in)	3
Pedestal Bar	#6
Pedestal Bar Cover (in)	1.5
Pedestal Ties	#4

Hot Rolled Steel Properties

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

Hot Rolled Steel Properties (Continued)

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt	
8	A572 Gr. 65	29000	11154	.3	.65	.49	65	1.5	80	1.2
9	A607-60	29000	11154	.3	.65	.49	60	1.5	75	1.2

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Existing pole	Pipe20.3x0.25	Column	Pipe	A572 Gr. 65	Typical	15.747	791.426	791.426	1582.853
2	Extension pole	Pipe20x0.25	Column	Pipe	A53 Gr.B	Typical	15.512	756.434	756.434	1512.867
3	Channel	MC10X28.5	Column	Channel	A572 Gr.50	Typical	8.37	11.3	126	.791

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	BASE	0	0	0	0	
2	T T	0	2	0	0	
3	E T	0	3.5	0	0	
4	E B	0	2.5	0	0	
5	N24	.94	2	0	0	
6	N36A	.94	3.5	0	0	
7	7	-.47	2	-0.814064	0	
8	8	-.47	3.5	-0.814064	0	
9	9	-.47	2	0.814064	0	
10	10	-.47	3.5	0.814064	0	

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	BASE	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Extension p...	1									Lateral
2	M2	Existing pole	2									Lateral
3	5	Channel	1.5			Lbyy						Lateral
4	7	Channel	1.5			Lbyy						Lateral
5	10	Channel	1.5			Lbyy						Lateral

Joint Loads and Enforced Displacements (BLC 1 : 1)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	E T	L	Y	-3.125
2	E T	L	X	-9.661
3	E T	L	Mz	95.427
4	E T	L	My	-.5

Joint Loads and Enforced Displacements (BLC 2 : 2)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	E T	L	Y	-3.125

Joint Loads and Enforced Displacements (BLC 2 : 2) (Continued)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
2	E T	L	X	-8.367
3	E T	L	Z	-4.83
4	E T	L	Mz	82.642
5	E T	L	Mx	-47.714
6	E T	L	My	-.5

Joint Loads and Enforced Displacements (BLC 3 : 3)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	E T	L	Y	-3.125
2	E T	L	X	-6.831
3	E T	L	Z	-6.831
4	E T	L	Mz	67.477
5	E T	L	Mx	-67.477
6	E T	L	My	-.5

Joint Loads and Enforced Displacements (BLC 4 : 4)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	E T	L	Y	-3.125
2	E T	L	X	-4.83
3	E T	L	Z	-8.366
4	E T	L	Mz	47.714
5	E T	L	Mx	-82.642
6	E T	L	My	-.5

Joint Loads and Enforced Displacements (BLC 5 : 5)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	E T	L	Y	-3.125
2	E T	L	Z	-9.661
3	E T	L	Mx	-95.427
4	E T	L	My	-.5

Joint Loads and Enforced Displacements (BLC 6 : 6)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	E T	L	Y	-3.125
2	E T	L	X	4.83
3	E T	L	Z	-8.366
4	E T	L	Mz	-47.714
5	E T	L	Mx	-82.642
6	E T	L	My	-.5

Joint Loads and Enforced Displacements (BLC 7 : 7)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	E T	L	Y	-3.125
2	E T	L	X	6.831
3	E T	L	Z	-6.831
4	E T	L	Mz	-67.477
5	E T	L	Mx	-67.477
6	E T	L	My	-.5

Joint Loads and Enforced Displacements (BLC 8 : 8)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	E T	L	Y	-3.125
2	E T	L	X	8.366
3	E T	L	Z	-4.83
4	E T	L	Mz	-82.642
5	E T	L	Mx	-47.714
6	E T	L	My	-.5

Joint Loads and Enforced Displacements (BLC 9 : 9)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	E T	L	Y	-3.125
2	E T	L	X	9.661
3	E T	L	Mz	-95.427
4	E T	L	My	-.5

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	1	None		-1		4			
2	2	None		-1		6			
3	3	None		-1		6			
4	4	None		-1		6			
5	5	None		-1		4			
6	6	None		-1		6			
7	7	None		-1		6			
8	8	None		-1		6			
9	9	None		-1		4			

Envelope Joint Reactions

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	BASE	max	9.661	1	3.413	4	9.661	5	129.259	5	.5	5	129.259	9
2		min	-9.661	9	3.413	8	0	1	0	9	.5	1	-129.258	1
3	Totals:	max	9.661	1	3.413	4	9.661	5						
4		min	-9.661	9	3.413	8	0	1						

Envelope Member Section Forces

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-...	LC	y-y Mome...	LC	z-z Mome...	LC
1	M1	1	max	-.053	9	0	9	0	9	0	9	0	5	0	9
2			min	-.053	1	0	1	0	5	0	1	0	1	0	1
3		2	max	-.04	9	0	9	0	9	0	9	0	5	0	9
4			min	-.04	1	0	1	0	5	0	1	0	1	0	1
5		3	max	-.026	9	0	9	0	9	0	9	0	5	0	9
6			min	-.026	1	0	1	0	5	0	1	0	1	0	1
7		4	max	-.013	9	0	9	0	9	0	9	0	5	0	9
8			min	-.013	1	0	1	0	5	0	1	0	1	0	1
9		5	max	0	9	0	9	0	9	0	9	0	9	0	9
10			min	0	1	0	1	0	5	0	1	0	1	0	1
11	M2	1	max	3.306	4	9.665	1	9.665	5	.5	5	109.93	5	109.93	9
12			min	3.306	8	-9.665	9	0	1	.5	1	0	9	-109.929	1

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-...	LC	y-y Mome...	LC	z-z Mome...	LC
13		2	max	3.333	4	9.665	1	9.665	5	.5	5	114.762	5	114.763	9
14			min	3.333	8	-9.665	9	0	1	.5	1	0	9	-114.761	1
15		3	max	3.36	4	9.665	1	9.665	5	.5	5	119.594	5	119.595	9
16			min	3.36	8	-9.665	9	0	1	.5	1	0	9	-119.594	1
17		4	max	3.386	4	9.665	1	9.665	5	.5	5	124.427	5	124.427	9
18			min	3.386	8	-9.665	9	0	1	.5	1	0	9	-124.426	1
19		5	max	3.413	4	9.665	1	9.665	5	.5	5	129.259	5	129.259	9
20			min	3.413	8	-9.665	9	0	1	.5	1	0	9	-129.258	1
21	M12	1	max	1.528	1	65.606	9	4.894	5	10.847	5	.167	1	63.349	9
22			min	-1.229	9	-63.404	1	-.167	1	-.126	9	-4.591	5	-61.28	1
23		2	max	1.528	1	65.606	9	4.894	5	10.847	5	.127	1	47.932	9
24			min	-1.229	9	-63.404	1	-.167	1	-.126	9	-3.441	5	-46.379	1
25		3	max	1.528	1	65.606	9	4.894	5	10.847	5	.088	1	32.514	9
26			min	-1.229	9	-63.404	1	-.167	1	-.126	9	-2.291	5	-31.479	1
27		4	max	1.528	1	65.606	9	4.894	5	10.847	5	.049	1	17.097	9
28			min	-1.229	9	-63.404	1	-.167	1	-.126	9	-1.141	5	-16.579	1
29		5	max	1.528	1	65.606	9	4.894	5	10.847	5	.009	5	1.679	9
30			min	-1.229	9	-63.404	1	-.167	1	-.126	9	.009	1	-1.679	1
31	M37A	1	max	1.229	9	63.448	1	.168	1	-.125	1	4.591	5	59.248	1
32			min	-1.528	1	-65.563	9	-4.894	5	-3.501	5	-.167	1	-61.236	9
33		2	max	1.229	9	63.448	1	.168	1	-.125	1	3.441	5	44.338	1
34			min	-1.528	1	-65.563	9	-4.894	5	-3.501	5	-.127	1	-45.829	9
35		3	max	1.229	9	63.448	1	.168	1	-.125	1	2.291	5	29.428	1
36			min	-1.528	1	-65.563	9	-4.894	5	-3.501	5	-.088	1	-30.422	9
37		4	max	1.229	9	63.448	1	.168	1	-.125	1	1.141	5	14.518	1
38			min	-1.528	1	-65.563	9	-4.894	5	-3.501	5	-.049	1	-15.015	9
39		5	max	1.229	9	63.448	1	.168	1	-.125	1	-.009	9	.393	9
40			min	-1.528	1	-65.563	9	-4.894	5	-3.501	5	-.009	5	-.393	1
41	5	1	max	65.566	9	4.897	5	1.381	9	.009	5	.393	1	-.125	1
42			min	-63.445	1	-.168	9	-1.381	1	.009	1	-.393	9	-3.501	5
43		2	max	65.577	9	4.897	5	1.381	9	.009	5	.125	9	-.063	1
44			min	-63.434	1	-.168	9	-1.381	1	.009	1	-.125	1	-5.337	5
45		3	max	65.587	9	4.897	5	1.381	9	.009	5	.643	9	0	9
46			min	-63.423	1	-.168	9	-1.381	1	.009	1	-.643	1	-7.174	5
47		4	max	65.598	9	4.897	5	1.381	9	.009	5	1.161	9	.063	9
48			min	-63.413	1	-.168	9	-1.381	1	.009	1	-1.161	1	-9.01	5
49		5	max	65.609	9	4.897	5	1.381	9	.009	5	1.679	9	.126	9
50			min	-63.402	1	-.168	9	-1.381	1	.009	1	-1.679	1	-10.847	5
51	6	1	max	.727	9	65.606	4	4.152	1	9.376	1	4.924	8	63.349	4
52			min	-1.229	4	-31.152	9	-5.229	8	-11.097	8	-3.893	1	-30.123	9
53		2	max	.727	9	65.606	4	4.152	1	9.376	1	3.696	8	47.931	4
54			min	-1.229	4	-31.152	9	-5.229	8	-11.097	8	-2.918	1	-22.802	9
55		3	max	.727	9	65.606	4	4.152	1	9.376	1	2.467	8	32.514	4
56			min	-1.229	4	-31.152	9	-5.229	8	-11.097	8	-1.942	1	-15.481	9
57		4	max	.727	9	65.606	4	4.152	1	9.376	1	1.238	8	17.097	4
58			min	-1.229	4	-31.152	9	-5.229	8	-11.097	8	-.966	1	-8.161	9
59		5	max	.727	9	65.606	4	4.152	1	9.376	1	.009	1	1.679	4
60			min	-1.229	4	-31.152	9	-5.229	8	-11.097	8	.009	9	-.84	9
61	7	1	max	65.566	4	4.218	1	1.381	4	.009	1	.196	9	3.25	8
62			min	-31.194	9	-5.231	8	-.691	9	.009	8	-.393	4	-3.049	1
63		2	max	65.576	4	4.218	1	1.381	4	.009	1	.125	4	5.212	8
64			min	-31.184	9	-5.231	8	-.691	9	.009	8	-.063	9	-4.631	1

Envelope Member Section Forces (Continued)

Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-...	LC	y-y Mome...	LC	z-z Mome...	LC
65		3 max	65.587	4	4.218	1	1.381	4	.009	1	.643	4	7.174	8
66		min	-31.173	9	-5.231	8	-.691	9	.009	8	-.322	9	-6.213	1
67		4 max	65.598	4	4.218	1	1.381	4	.009	1	1.161	4	9.136	8
68		min	-31.162	9	-5.231	8	-.691	9	.009	8	-.581	9	-7.794	1
69		5 max	65.608	4	4.218	1	1.381	4	.009	1	1.679	4	11.097	8
70		min	-31.152	9	-5.231	8	-.691	9	.009	8	-.84	9	-9.376	1
71	8	1 max	1.229	4	31.195	9	5.229	8	3.25	8	3.893	1	29.127	9
72		min	-.727	9	-65.562	4	-4.152	1	-3.049	1	-4.924	8	-61.236	4
73		2 max	1.229	4	31.195	9	5.229	8	3.25	8	2.918	1	21.796	9
74		min	-.727	9	-65.562	4	-4.152	1	-3.049	1	-3.696	8	-45.829	4
75		3 max	1.229	4	31.195	9	5.229	8	3.25	8	1.942	1	14.465	9
76		min	-.727	9	-65.562	4	-4.152	1	-3.049	1	-2.467	8	-30.422	4
77		4 max	1.229	4	31.195	9	5.229	8	3.25	8	.966	1	7.135	9
78		min	-.727	9	-65.562	4	-4.152	1	-3.049	1	-1.238	8	-15.015	4
79		5 max	1.229	4	31.195	9	5.229	8	3.25	8	-.009	7	.393	4
80		min	-.727	9	-65.562	4	-4.152	1	-3.049	1	-.009	1	-.196	9
81	9	1 max	1.528	6	33.353	1	4.281	9	9.377	9	4.925	2	32.191	1
82		min	-.652	1	-63.404	6	-5.229	2	-11.097	2	-4.015	9	-61.279	6
83		2 max	1.528	6	33.353	1	4.281	9	9.377	9	3.696	2	24.354	1
84		min	-.652	1	-63.404	6	-5.229	2	-11.097	2	-3.009	9	-46.379	6
85		3 max	1.528	6	33.353	1	4.281	9	9.377	9	2.467	2	16.516	1
86		min	-.652	1	-63.404	6	-5.229	2	-11.097	2	-2.003	9	-31.479	6
87		4 max	1.528	6	33.353	1	4.281	9	9.377	9	1.238	2	8.678	1
88		min	-.652	1	-63.404	6	-5.229	2	-11.097	2	-.997	9	-16.579	6
89		5 max	1.528	6	33.353	1	4.281	9	9.377	9	.009	9	.84	1
90		min	-.652	1	-63.404	6	-5.229	2	-11.097	2	.009	3	-1.679	6
91	10	1 max	33.311	1	4.219	9	.691	1	.009	9	.393	6	3.25	2
92		min	-63.444	6	-5.232	2	-1.381	6	.009	2	-.196	1	-3.049	9
93		2 max	33.322	1	4.219	9	.691	1	.009	9	.063	1	5.212	2
94		min	-63.434	6	-5.232	2	-1.381	6	.009	2	-.125	6	-4.631	9
95		3 max	33.332	1	4.219	9	.691	1	.009	9	.322	1	7.174	2
96		min	-63.423	6	-5.232	2	-1.381	6	.009	2	-.643	6	-6.213	9
97		4 max	33.343	1	4.219	9	.691	1	.009	9	.581	1	9.136	2
98		min	-63.412	6	-5.232	2	-1.381	6	.009	2	-1.161	6	-7.795	9
99		5 max	33.354	1	4.219	9	.691	1	.009	9	.84	1	11.097	2
100		min	-63.402	6	-5.232	2	-1.381	6	.009	2	-1.679	6	-9.377	9
101	11	1 max	.652	1	63.448	6	5.229	2	3.25	2	4.015	9	59.248	6
102		min	-1.528	6	-33.31	1	-4.281	9	-3.049	9	-4.925	2	-31.115	1
103		2 max	.652	1	63.448	6	5.229	2	3.25	2	3.009	9	44.338	6
104		min	-1.528	6	-33.31	1	-4.281	9	-3.049	9	-3.696	2	-23.287	1
105		3 max	.652	1	63.448	6	5.229	2	3.25	2	2.003	9	29.428	6
106		min	-1.528	6	-33.31	1	-4.281	9	-3.049	9	-2.467	2	-15.459	1
107		4 max	.652	1	63.448	6	5.229	2	3.25	2	.997	9	14.518	6
108		min	-1.528	6	-33.31	1	-4.281	9	-3.049	9	-1.238	2	-7.632	1
109		5 max	.652	1	63.448	6	5.229	2	3.25	2	-.009	2	.196	1
110		min	-1.528	6	-33.31	1	-4.281	9	-3.049	9	-.009	9	-.393	6

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [k]	phi*Pnt [k]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	Pipe20x0.25	.000	0	9	.000	0		9	488.542	488.616	241.751	241.751	1...	H1-1b
2	M2	Pipe20.3x0.25	.307	2	9	.036	0		9	805.605	921.213	423.978	423.978	1...	H1-1b
3	5	MC10X28.5	.186	1.5	8	.043	.75	y	5	368.525	376.65	23.958	112.5	1...	H1-1b
4	7	MC10X28.5	.189	1.5	5	.046	.75	y	8	368.525	376.65	23.958	112.5	1...	H1-1b
5	10	MC10X28.5	.184	1.5	5	.046	.75	y	2	368.525	376.65	23.958	112.5	1...	H1-1b

k	0.8	
Nominal Hole Size	1.1875	in
Sleeve Diameter	1.25	in
Slop	0.0625	in
Plate Yield Strength	50	ksi
Plate Ult. Strength	65	ksi
Pole Yield Strength	35	ksi
Pole Ult. Strength	63	ksi
φ - Fracture	0.75	
φ - Bearing	0.8	
φ - Yield	0.9	
Laod from RISA in Channel	65.609	Kips

Pole Thickness	Controlling Capacity of Plate (k)	Controlling Failure Mode of Plate
0.25		

Number of Term. Bolts	Inter. Bolt Dist (in)	Bearing Capacity of Pole (k)	Ajax Shear Capacity (k)	Connection Rating
6		198.5	226.2	33.06%



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

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

H
Yes

Anchor Rod Bracket Analysis Checks			
Tube Bearing		52.2%	-
Tube Compression		78.3%	-
Gusset Shear		31.5%	-
Gusset Flexure		N/A	-
Welds	Gusset to Tower and BP	60.0%	-
	Gusset to Tube	82.5%	-
	Geometry	N/A	-
Tower Punching		9.7%	-
Tube Punching		45.3%	-

Manufacturers Tower Prop.	
Pole Thickness	0.4375 in
Pole Grade	A572-65
Fy	65 ksi
Fu	80 ksi
Base Plate Gr.	A572-60
Fy	60 ksi
Fu	75 ksi

Utilization	82.5%
-------------	-------

Bracket Properties					
Gusset		Pipe/Tube		Weld - Gusset to Pipe/Tube	
Thickness	1.25 in	Size	HSS5x5x1/2	FEXX	80 ksi
Width at Tube	4 in	Total Length	18 in	Weld Type	Double Fillet
Height at Pole	57 in	Length above Gusset	0 in	Fillet Size	3/8 in
Height at Tube	18 in	Length below Gusset	0 in		
Grade	A572-65	Grade	A500 Grade B (Square)		
Fy	65 ksi	Fy	46 ksi		
Fu	80 ksi	Fu	58 ksi		
Weld - Gusset to Tower		Weld - Gusset to Base Plate			
FEXX	80 ksi	FEXX	80 ksi		
Weld Type	Double Fillet	Weld Type	CJP - Double Bevel		
Fillet Size	3/8 in	Fillet Size	5/8 in		
		Bevel Depth	5/8 in		
		Gap	0 in		
		Notch (horiz)	0.75 in		
		Notch (vert)	0.75 in		
		Pipe/Tube Welded to Base/Footpad?	Yes		
		Fillet Size	3/8 in		

Monopole Base Plate Connection

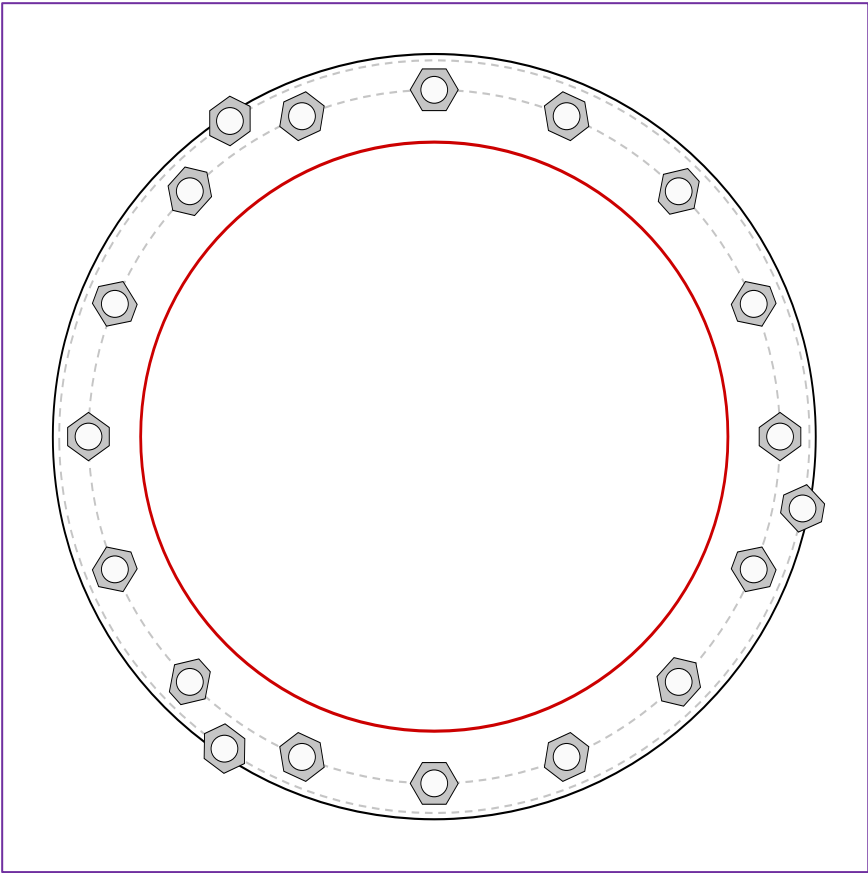


Site Info	
BU #	806373
Site Name	HRT 101 943232, CT
Order #	584966, Rev. 0

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

Applied Loads	
Moment (kip-ft)	5769.92
Axial Force (kips)	63.05
Shear Force (kips)	50.78

*TIA-222-H Section 15.5 Applied



Connection Properties		Analysis Results	
Anchor Rod Data		Anchor Rod Summary <i>(units of kips, kip-in)</i>	
GROUP 1: (16) 2-1/4" ϕ bolts (A615-75 N; F_y =75 ksi, F_u =100 ksi) on 58.06" BC		GROUP 1:	
GROUP 2: (3) 2-1/4" ϕ bolts (A193 Gr. B7 N; F_y =105 ksi, F_u =125 ksi) on 63" BC		Pu_t = 248.69	ϕPn_t = 243.75 Stress Rating
<i>pos. (deg): 123, 236, 349</i>		Vu = 3.17	ϕVn = 149.1 99.2%
		Mu = n/a	ϕMn = n/a Pass
Base Plate Data		GROUP 2:	
64.06" OD x 2.75" Plate (S-128; F_y =60 ksi, F_u =80 ksi)		Pu_t = 268.12	ϕPn_t = 304.69 Stress Rating
Stiffener Data		Vu = 0	ϕVn = 186.38 83.8%
N/A		Mu = n/a	ϕMn = n/a Pass
Pole Data		Base Plate Summary	
49.3" x 0.4375" 12-sided pole (A572-65; F_y =65 ksi, F_u =80 ksi)		Max Stress (ksi):	37.17 (Flexural)
		Allowable Stress (ksi):	54
		Stress Rating:	65.6% Pass

Elevation (ft)

0

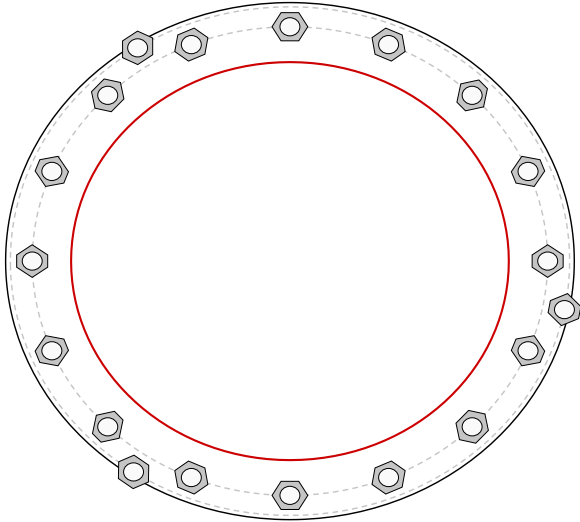
(Base)

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

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

Custom Bolt Connection										
Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η :	I_{ar} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	2.25	A615-75	58.06	0.5	0	N-Included		No
2	1	22.5	2.25	A615-75	58.06	0.5	0	N-Included		No
3	1	45	2.25	A615-75	58.06	0.5	0	N-Included		No
4	1	67.5	2.25	A615-75	58.06	0.5	0	N-Included		No
5	1	90	2.25	A615-75	58.06	0.5	0	N-Included		No
6	1	112.5	2.25	A615-75	58.06	0.5	0	N-Included		No
7	1	135	2.25	A615-75	58.06	0.5	0	N-Included		No
8	1	157.5	2.25	A615-75	58.06	0.5	0	N-Included		No
9	1	180	2.25	A615-75	58.06	0.5	0	N-Included		No
10	1	202.5	2.25	A615-75	58.06	0.5	0	N-Included		No
11	1	225	2.25	A615-75	58.06	0.5	0	N-Included		No
12	1	247.5	2.25	A615-75	58.06	0.5	0	N-Included		No
13	1	270	2.25	A615-75	58.06	0.5	0	N-Included		No
14	1	292.5	2.25	A615-75	58.06	0.5	0	N-Included		No
15	1	315	2.25	A615-75	58.06	0.5	0	N-Included		No
16	1	337.5	2.25	A615-75	58.06	0.5	0	N-Included		No
17	2	123	2.25	A193 Gr. B7	63	0.5	0	N-Included		No
18	2	236	2.25	A193 Gr. B7	63	0.5	0	N-Included		No
19	2	349	2.25	A193 Gr. B7	63	0.5	0	N-Included		No

Plot Graphic



Drilled Pier Foundation

BU # :	806373
Site Name:	HRT 101 943232, CT
Order Number:	584966, Rev. 0
TIA-222 Revision:	H
Tower Type:	Monopole

Applied Loads		
	Comp.	Uplift
Moment (kip-ft)	5769.92	
Axial Force (kips)	63.06	
Shear Force (kips)	50.76	

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

Pier Design Data		
Depth	24.5	ft
Ext. Above Grade	1	ft
Pier Section 1		
From 1' above grade to 24.5' below grade		
Pier Diameter	7	ft
Rebar Quantity	36	
Rebar Size	11	
Clear Cover to Ties	3.5	in
Tie Size	4	
Tie Spacing		in

[Rebar & Pier Options](#)

[Embedded Pole Inputs](#)

[Belled Pier Inputs](#)

Analysis Results		
Soil Lateral Check		
	Compression	Uplift
D _{v=0} (ft from TOC)	6.52	-
Soil Safety Factor	1.73	-
Max Moment (kip-ft)	6063.48	-
Rating*	73.3%	-
Soil Vertical Check		
	Compression	Uplift
Skin Friction (kips)	281.25	-
End Bearing (kips)	750.00	-
Weight of Concrete (kips)	120.43	-
Total Capacity (kips)	1031.25	-
Axial (kips)	183.49	-
Rating*	16.9%	-
Reinforced Concrete Flexure		
	Compression	Uplift
Critical Depth (ft from TOC)	6.49	-
Critical Moment (kip-ft)	6063.47	-
Critical Moment Capacity	8433.66	-
Rating*	68.5%	-
Reinforced Concrete Shear		
	Compression	Uplift
Critical Depth (ft from TOC)	21.08	-
Critical Shear (kip)	438.08	-
Critical Shear Capacity	731.36	-
Rating*	57.0%	-

Structural Foundation Rating*	68.5%
Soil Interaction Rating*	73.3%

*Rating per TIA-222-H Section 15.5

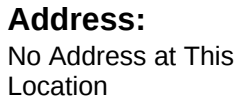


Check Limitation	
Apply TIA-222-H Section 15.5:	☒
N/A	☐
Additional Longitudinal Rebar	
Input Effective Depths (else Actual):	☐
Shear Design Options	
Check Shear along Depth of Pier:	☒
Utilize Shear-Friction Methodology:	☒
Override Critical Depth:	☐

[Go to Soil Calculations](#)

Shear-Friction Methodology is Applied

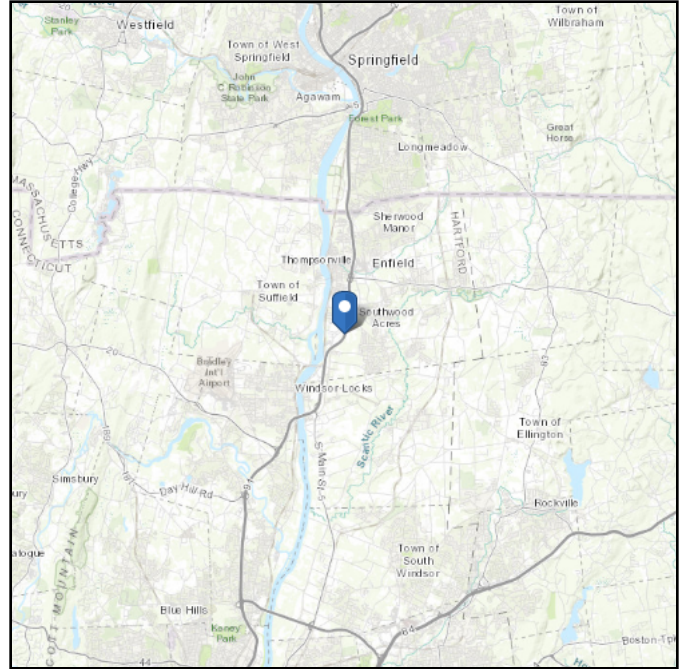
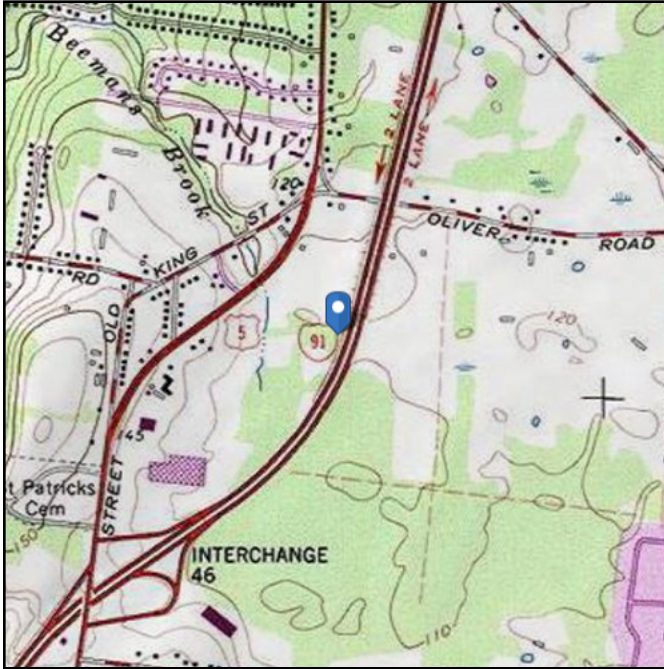
Soil Profile														
Groundwater Depth		5	# of Layers		4									
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ _{soil} (pcf)	γ _{concrete} (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3.5	3.5	100	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3.5	4	0.5	100	150	0	28	0.000	0.000	0.81	0.81			Cohesionless
3	4	5	1	125	150	0	42	0.000	0.000	0.81	0.81			Cohesionless
4	5	24.5	19.5	65	87.6	0	42	0.000	0.000	0.81	0.81	25.98448		Cohesionless



ASCE 7 Hazards Report

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

Elevation: 109.14 ft (NAVD 88)
Latitude: 41.960056
Longitude: -72.592306

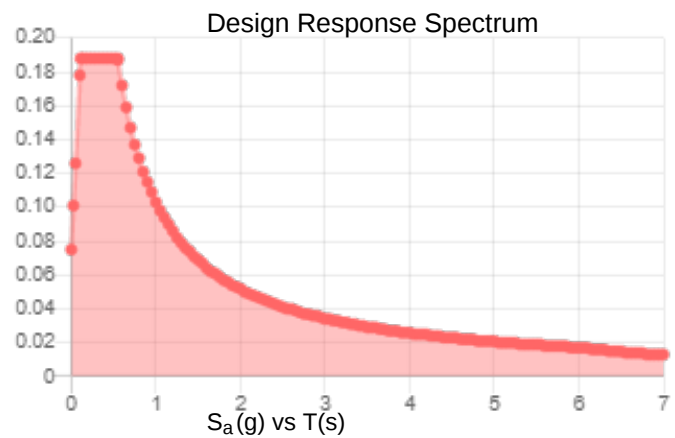
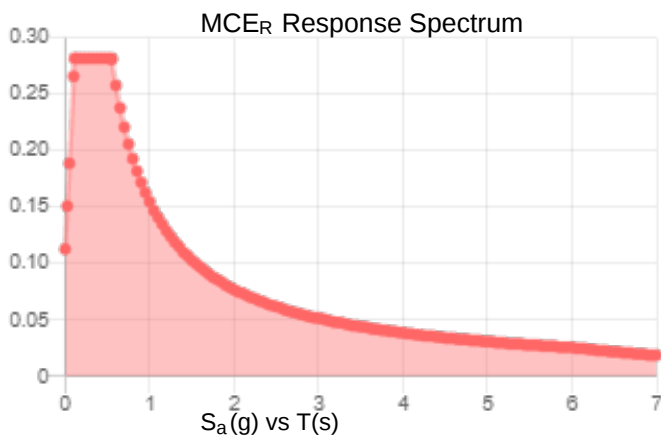


Site Soil Class: D - Stiff Soil

Results:

S_S :	0.176	S_{DS} :	0.188
S_1 :	0.064	S_{D1} :	0.103
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.087
S_{MS} :	0.282	PGA_M :	0.139
S_{M1} :	0.155	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B



Data Accessed:

Thu Aug 26 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.

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: Thu Aug 26 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.

The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided "as is" and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE 7 standard.

In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE 7 Hazard Tool.

Exhibit E

Mount Analysis



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

New/Replacement Antenna Mount Analysis Report and PMI Requirements

Mount Analysis-R

SMART Tool Project #: 10091696
Maser Consulting Connecticut Project #: 21777117A

August 2, 2021

Site Information

Site ID: 467160-VZW / ENFIELD CT
Site Name: ENFIELD CT
Carrier Name: Verizon Wireless
Address: 4 Oliver Street
Enfield, Connecticut 06082
Hartford County
Latitude: 41.960097°
Longitude: -72.592311°

Structure Information

Tower Type: 160-Ft Monopole
Mount Type: 12.50-Ft Platform

FUZE ID # 16244109

Analysis Results

Platform: 40.4% Pass

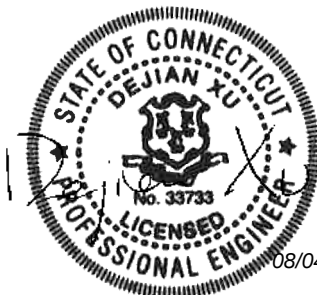
***Contractor PMI Requirements:

Included at the end of this MA report

Available & Submitted via portal at <https://pmi.vzwsmart.com>

**Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements may also be Noted on A & E drawings**

Report Prepared By: Frank Centone



08/04/2021

Executive Summary:

The objective of this report is to determine the capacity of the proposed antenna support mount at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards. The proposed mount was assumed to be installed properly to the existing tower per the manufacturer's instructions. Maser Consulting cannot verify that the proposed mount will fit properly and is not liable for any fit-up issues during installation.

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
<i>Radio Frequency Data Sheet (RFDS)</i>	<i>Verizon RFDS, Site ID: 323857, dated July 9, 2021</i>
<i>Desktop Mount Mapping Report</i>	<i>Paul J. Ford & Company, Site Name: ENFIELD CT, dated April 9, 2021</i>
<i>Previous Mount Analysis</i>	<i>Maser Consulting Connecticut, Project #: 21777117A, Dated July 27, 2021</i>
<i>Specification Drawing</i>	<i>Site Pro 1, Part #: RMQP-484</i>
<i>Specification Drawing</i>	<i>Site Pro 1, Part #: HRK12</i>

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 116 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.50 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.996
Seismic Parameters:	S_s : 0.174 S_1 : 0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 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
147.25	150.00	3	Samsung	MT6407-77A	Added
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		3	Samsung	RT4401-48A	
		3	Commscope	NHH-65B-R2B	
		3	Commscope	NHHSS-65B-R2BT0	
		1	RFS	DB-B1-6C-12AB-0Z	
		2	Antel	BXA-70080-4CF	Retained
		1	Antel	BXA-80063/4CF	
		1	-	OVP6	

Any proposed antennas not currently installed should be mounted such that the centerline of the antennas does not exceed 6 inches vertically from the center of the antenna mount(s).

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - HSS (Rectangular) ASTM 500 (Gr. B-46)
 - Pipe ASTM A53 (Gr. B-35)
 - Threaded Rod F1554 (Gr. 36)
 - Bolts ASTM A325

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	14.1%	Pass
Standoff Horizontal	37.1%	Pass
Platform Crossmember	18.4%	Pass
Mount Pipe	33.7%	Pass
Corner Plate	18.1%	Pass
Grating Support	15.3 %	Pass
Cross Arm Plate	36.7%	Pass
Support Rail	19.5%	Pass
Corner Angle	22.3%	Pass
Mount Connection	40.4%	Pass

Structure Rating – (Controlling Utilization of all Components)	40.4%
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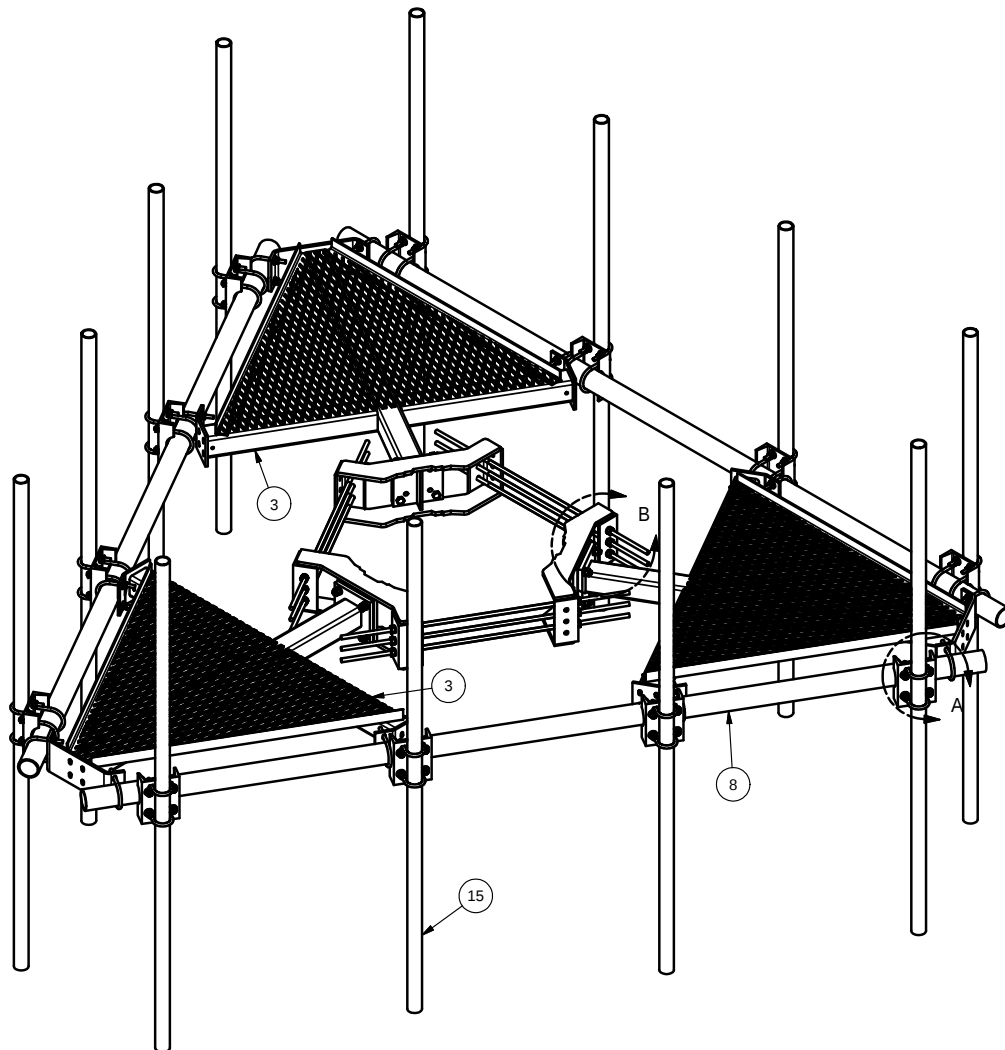
Recommendation:

The proposed antenna mounts **SUFFICIENT** for the final loading configuration and do not require modifications.

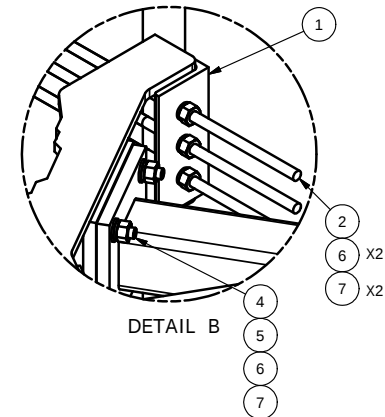
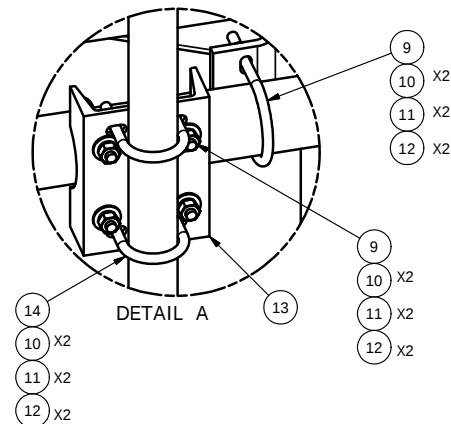
ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other, if required. Separate review fees will apply.

Attachments:

1. Specification Drawing
2. Analysis Calculations
3. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
4. Antenna Placement Diagrams



PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	3	X-LWRM	RING MOUNT WELDMENT		68.81	206.42
2	9	G58R-48	5/8" x 48" THREADED ROD (HDG.)		0.40	3.59
2	9	G58R-24	5/8" x 24" THREADED ROD (HDG.)		0.40	3.59
3	3	X-SV196	LOW PROFILE PLATFORM CORNER		212.10	636.31
4	12	A58234	5/8" x 2-3/4" HDG A325 HEX BOLT	2.75	0.36	4.27
5	12	A58FW	5/8" HDG A325 FLATWASHER		0.03	0.41
6	30	G58LW	5/8" HDG LOCKWASHER		0.03	0.78
7	30	A58NUT	5/8" HDG A325 HEX NUT		0.13	3.90
8	3	P3150	3-1/2" X 150" SCH 40 GALVANIZED PIPE	150.000 in	94.80	284.40
9	36	X-UB1306	1/2" X 3-5/8" X 6" X 3" U-BOLT (HDG.)		0.26	9.25
10	120	G12FW	1/2" HDG USS FLATWASHER		0.03	4.09
11	120	G12LW	1/2" HDG LOCKWASHER		0.01	1.67
12	120	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	8.60
13	12	X-SP219	SMALL SUPPORT CROSS PLATE	8.250 in	8.61	103.33
14	24	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.26	6.17
15	12	B	ANTENNA MOUNTING PIPE	C	D	E



2-3/8" O.D. VERTICAL MOUNTING PIPES					
ASSEMBLY NO. "A"	PART NO. "B"	LENGTH, "C"	UNIT WEIGHT, "D"	NET WEIGHT, "E"	TOTAL WEIGHT
RMQP-463	P263	63"	20.18	242.16	1591.11
RMQP-472	P272	72"	23.07	276.84	1625.79
RMQP-484	P284	84"	26.91	322.92	1671.87
RMQP-496	P296	96"	30.76	369.12	1718.07
RMQP-4126	P2126	126"	40.75	489.00	1837.95

TOLERANCE NOTE

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES ($\pm 0.030"$)
DRILLED AND GAS CUT HOLES ($\pm 0.030"$) - NO CONING OF HOLES
LASER CUT EDGES AND HOLES ($\pm 0.010"$) - NO CONING OF HOLES
BENDS ARE $\pm 1/2$ DEGREE - ALL OTHER MACHINING ($\pm 0.030"$)
ALL OTHER ASSEMBLY ($\pm 0.060"$)

PROPRIETARY NOTE

THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

DESCRIPTION

**LOW PROFILE CO-LOCATION PLATFORM
FOR 12 ANTENNAS WITH 12' 6" FACE WIDTH
FOR 12" - 38" DIAMETER POLES**

DRAWN BY

CEK 1/20/2012

CPD NO.

semb

DRAWING USAGE

CUSTOMER

ENG. APPROVAL

CHECKED BY

BMC

7/9/2015



A valmont COMPANY

Engineering
Support Team:
1-888-753-7446

Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

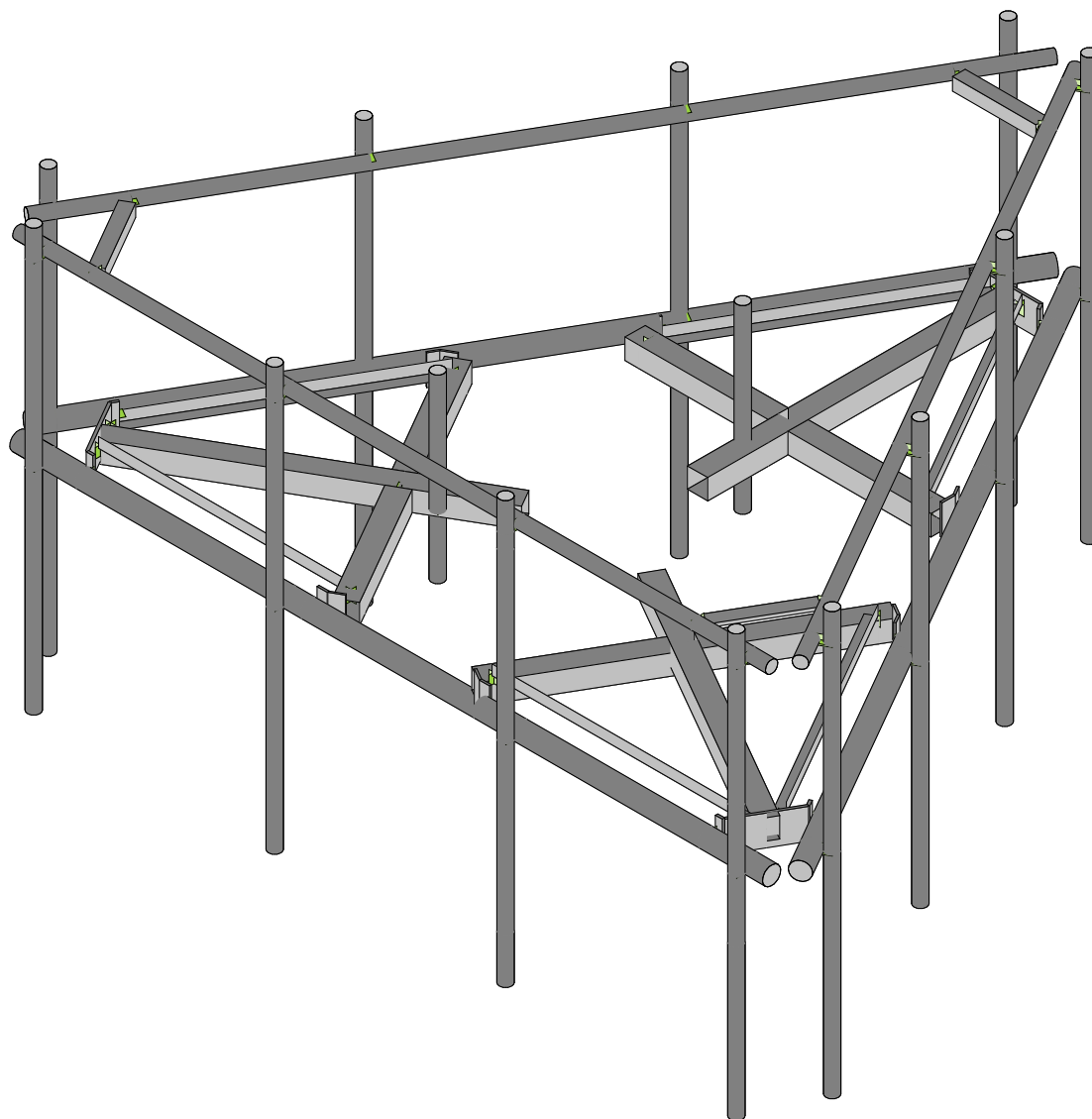
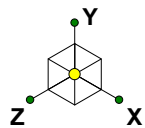
PART NO.

SEE ASSEMBLY NO. "A"

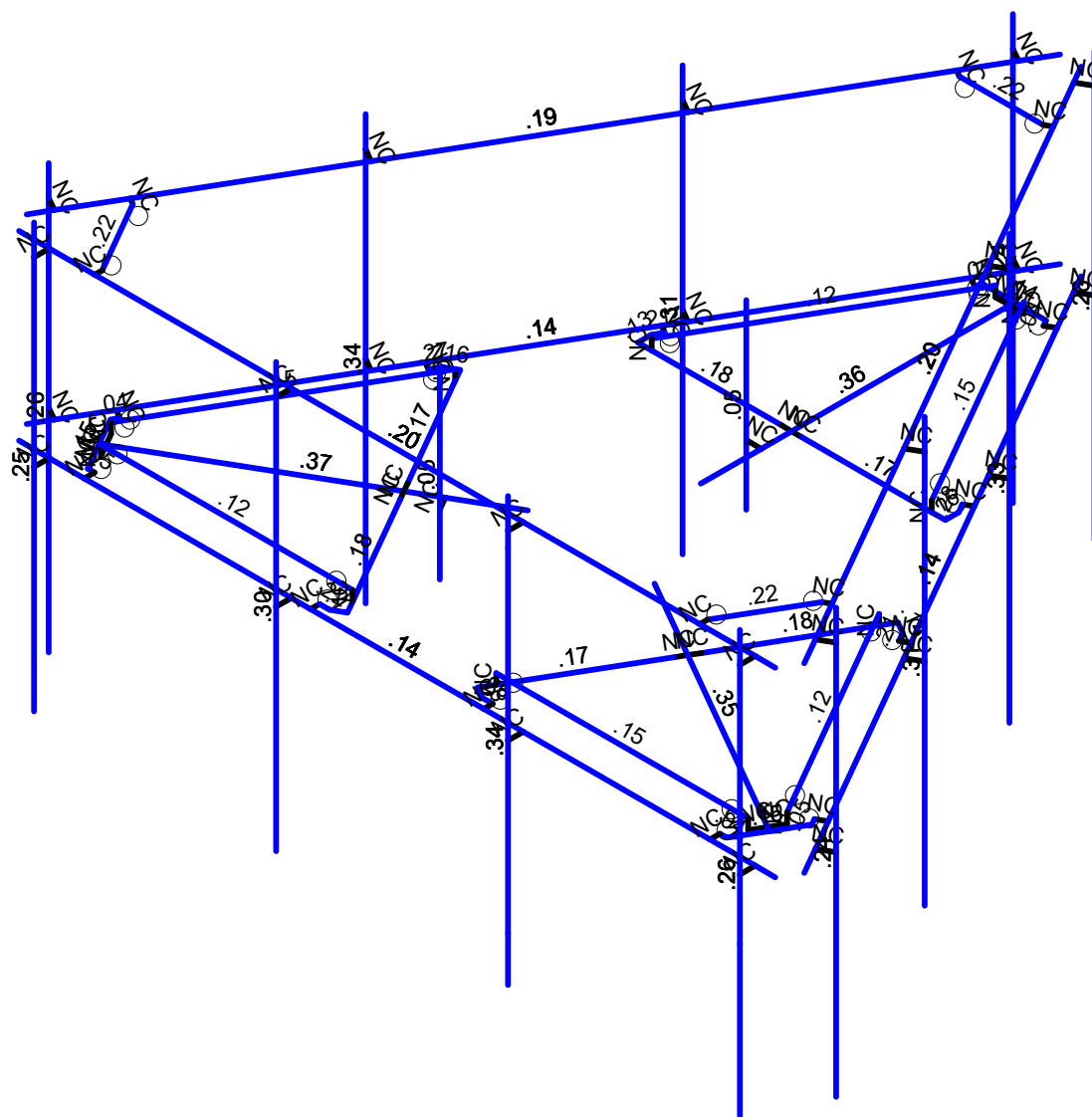
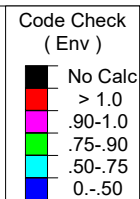
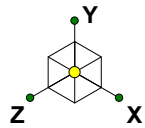
DWG. NO.

RMQP-4XX

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
A	ADDED 10' 6" ANTENNA MOUNTING PIPES	CEK	7/9/2015	
REVISION HISTORY				

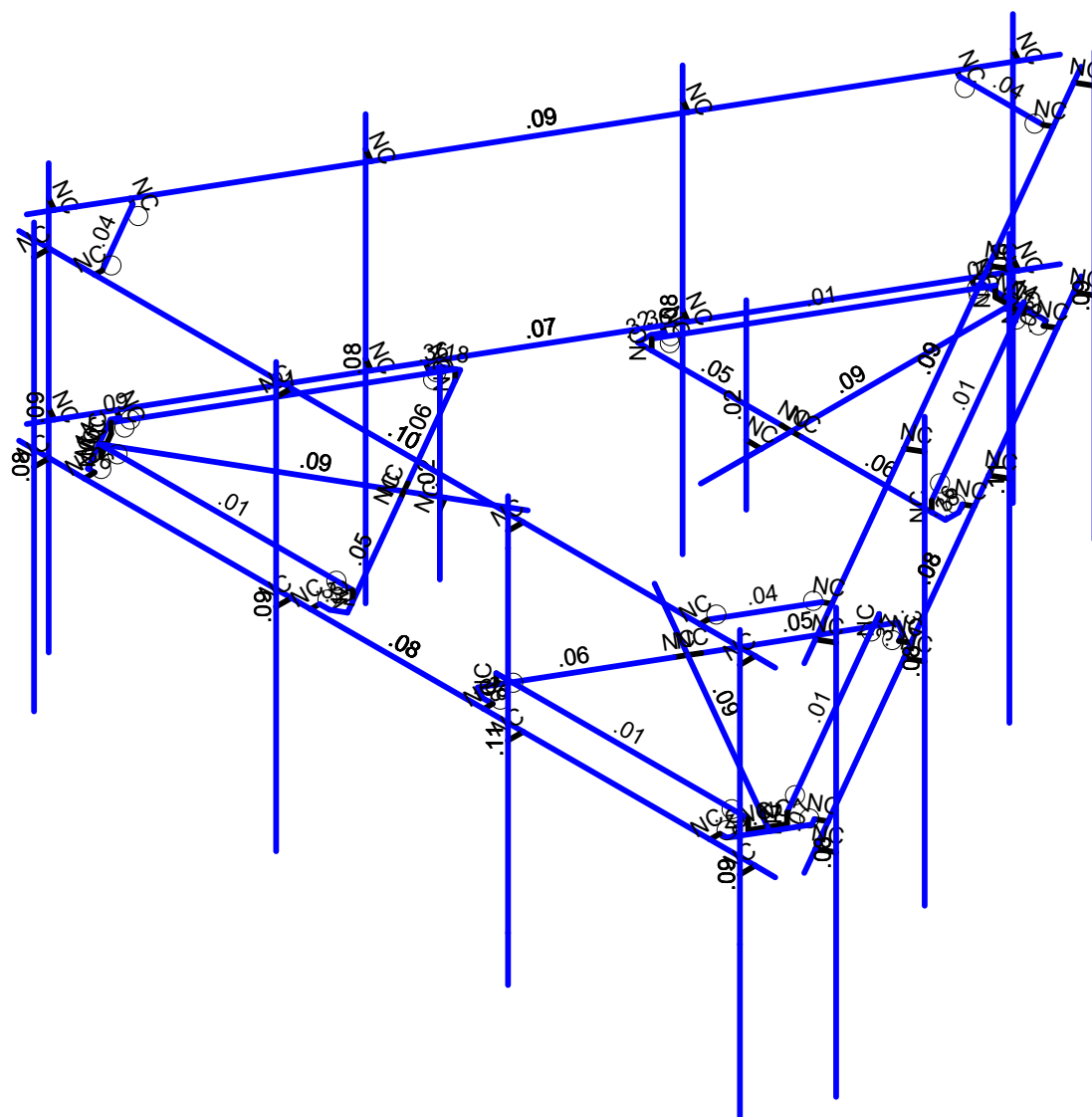
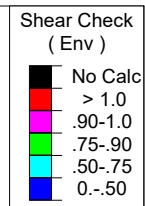


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Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

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		467160-VZW_MT_LO_H_Loaded.r...



Maser Consulting	467160-VZW_MT_LO_H	SK - 3
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		467160-VZW_MT_LO_H_Loaded.r...

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	Antenna D	None					105		
2	Antenna Di	None					105		
3	Antenna Wo (0 Deg)	None					105		
4	Antenna Wo (30 Deg)	None					105		
5	Antenna Wo (60 Deg)	None					105		
6	Antenna Wo (90 Deg)	None					105		
7	Antenna Wo (120 Deg)	None					105		
8	Antenna Wo (150 Deg)	None					105		
9	Antenna Wo (180 Deg)	None					105		
10	Antenna Wo (210 Deg)	None					105		
11	Antenna Wo (240 Deg)	None					105		
12	Antenna Wo (270 Deg)	None					105		
13	Antenna Wo (300 Deg)	None					105		
14	Antenna Wo (330 Deg)	None					105		
15	Antenna Wi (0 Deg)	None					105		
16	Antenna Wi (30 Deg)	None					105		
17	Antenna Wi (60 Deg)	None					105		
18	Antenna Wi (90 Deg)	None					105		
19	Antenna Wi (120 Deg)	None					105		
20	Antenna Wi (150 Deg)	None					105		
21	Antenna Wi (180 Deg)	None					105		
22	Antenna Wi (210 Deg)	None					105		
23	Antenna Wi (240 Deg)	None					105		
24	Antenna Wi (270 Deg)	None					105		
25	Antenna Wi (300 Deg)	None					105		
26	Antenna Wi (330 Deg)	None					105		
27	Antenna Wm (0 Deg)	None					105		
28	Antenna Wm (30 Deg)	None					105		
29	Antenna Wm (60 Deg)	None					105		
30	Antenna Wm (90 Deg)	None					105		
31	Antenna Wm (120 Deg)	None					105		
32	Antenna Wm (150 Deg)	None					105		
33	Antenna Wm (180 Deg)	None					105		
34	Antenna Wm (210 Deg)	None					105		
35	Antenna Wm (240 Deg)	None					105		
36	Antenna Wm (270 Deg)	None					105		
37	Antenna Wm (300 Deg)	None					105		
38	Antenna Wm (330 Deg)	None					105		
39	Structure D	None		-1					
40	Structure Di	None						59	
41	Structure Wo (0 Deg)	None						118	
42	Structure Wo (30 Deg)	None						118	
43	Structure Wo (60 Deg)	None						118	
44	Structure Wo (90 Deg)	None						118	
45	Structure Wo (120 D...	None						118	
46	Structure Wo (150 D...	None						118	
47	Structure Wo (180 D...	None						118	
48	Structure Wo (210 D...	None						118	
49	Structure Wo (240 D...	None						118	
50	Structure Wo (270 D...	None						118	
51	Structure Wo (300 D...	None						118	
52	Structure Wo (330 D...	None						118	
53	Structure Wi (0 Deg)	None						118	
54	Structure Wi (30 Deg)	None						118	
55	Structure Wi (60 Deg)	None						118	
56	Structure Wi (90 Deg)	None						118	

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						118	
58	Structure Wi (150 De...	None						118	
59	Structure Wi (180 De...	None						118	
60	Structure Wi (210 De...	None						118	
61	Structure Wi (240 De...	None						118	
62	Structure Wi (270 De...	None						118	
63	Structure Wi (300 De...	None						118	
64	Structure Wi (330 De...	None						118	
65	Structure Wm (0 Deg)	None						118	
66	Structure Wm (30 De...	None						118	
67	Structure Wm (60 De...	None						118	
68	Structure Wm (90 De...	None						118	
69	Structure Wm (120 D...	None						118	
70	Structure Wm (150 D...	None						118	
71	Structure Wm (180 D...	None						118	
72	Structure Wm (210 D...	None						118	
73	Structure Wm (240 D...	None						118	
74	Structure Wm (270 D...	None						118	
75	Structure Wm (300 D...	None						118	
76	Structure Wm (330 D...	None						118	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		

Load Combinations

	Description	So...	P...	S...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...
1	1.2D+1.0Wo (0 ...	Yes	Y		1	1.2	39	1.2	3	1	41	1								
2	1.2D+1.0Wo (30...	Yes	Y		1	1.2	39	1.2	4	1	42	1								
3	1.2D+1.0Wo (60...	Yes	Y		1	1.2	39	1.2	5	1	43	1								
4	1.2D+1.0Wo (90...	Yes	Y		1	1.2	39	1.2	6	1	44	1								
5	1.2D+1.0Wo (12...	Yes	Y		1	1.2	39	1.2	7	1	45	1								
6	1.2D+1.0Wo (15...	Yes	Y		1	1.2	39	1.2	8	1	46	1								
7	1.2D+1.0Wo (18...	Yes	Y		1	1.2	39	1.2	9	1	47	1								
8	1.2D+1.0Wo (21...	Yes	Y		1	1.2	39	1.2	10	1	48	1								
9	1.2D+1.0Wo (24...	Yes	Y		1	1.2	39	1.2	11	1	49	1								
10	1.2D+1.0Wo (27...	Yes	Y		1	1.2	39	1.2	12	1	50	1								
11	1.2D+1.0Wo (30...	Yes	Y		1	1.2	39	1.2	13	1	51	1								
12	1.2D+1.0Wo (33...	Yes	Y		1	1.2	39	1.2	14	1	52	1								
13	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1				
14	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1				
15	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1				
16	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1				
17	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1				
18	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1				
19	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1				
20	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1				
21	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1				
22	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1				
23	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1				
24	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1				
25	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1						
26	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1						
27	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1						
28	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1						

Load Combinations (Continued)

Description	So...	P...	S...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...
29	1.2D + 1.5Lm1 +...	Yes	Y	1	1.2	39	1.2	77	1.5	31	1	69	1		
30	1.2D + 1.5Lm1 +...	Yes	Y	1	1.2	39	1.2	77	1.5	32	1	70	1		
31	1.2D + 1.5Lm1 +...	Yes	Y	1	1.2	39	1.2	77	1.5	33	1	71	1		
32	1.2D + 1.5Lm1 +...	Yes	Y	1	1.2	39	1.2	77	1.5	34	1	72	1		
33	1.2D + 1.5Lm1 +...	Yes	Y	1	1.2	39	1.2	77	1.5	35	1	73	1		
34	1.2D + 1.5Lm1 +...	Yes	Y	1	1.2	39	1.2	77	1.5	36	1	74	1		
35	1.2D + 1.5Lm1 +...	Yes	Y	1	1.2	39	1.2	77	1.5	37	1	75	1		
36	1.2D + 1.5Lm1 +...	Yes	Y	1	1.2	39	1.2	77	1.5	38	1	76	1		
37	1.2D + 1.5Lm2 +...	Yes	Y	1	1.2	39	1.2	78	1.5	27	1	65	1		
38	1.2D + 1.5Lm2 +...	Yes	Y	1	1.2	39	1.2	78	1.5	28	1	66	1		
39	1.2D + 1.5Lm2 +...	Yes	Y	1	1.2	39	1.2	78	1.5	29	1	67	1		
40	1.2D + 1.5Lm2 +...	Yes	Y	1	1.2	39	1.2	78	1.5	30	1	68	1		
41	1.2D + 1.5Lm2 +...	Yes	Y	1	1.2	39	1.2	78	1.5	31	1	69	1		
42	1.2D + 1.5Lm2 +...	Yes	Y	1	1.2	39	1.2	78	1.5	32	1	70	1		
43	1.2D + 1.5Lm2 +...	Yes	Y	1	1.2	39	1.2	78	1.5	33	1	71	1		
44	1.2D + 1.5Lm2 +...	Yes	Y	1	1.2	39	1.2	78	1.5	34	1	72	1		
45	1.2D + 1.5Lm2 +...	Yes	Y	1	1.2	39	1.2	78	1.5	35	1	73	1		
46	1.2D + 1.5Lm2 +...	Yes	Y	1	1.2	39	1.2	78	1.5	36	1	74	1		
47	1.2D + 1.5Lm2 +...	Yes	Y	1	1.2	39	1.2	78	1.5	37	1	75	1		
48	1.2D + 1.5Lm2 +...	Yes	Y	1	1.2	39	1.2	78	1.5	38	1	76	1		
49	1.2D + 1.5Lv1	Yes	Y	1	1.2	39	1.2	79	1.5						
50	1.2D + 1.5Lv2	Yes	Y	1	1.2	39	1.2	80	1.5						
51	1.4D	Yes	Y	1	1.4	39	1.4								
52	Seismic Mass		Y	1	1	39	1								
53	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX		SY	1	SZ	-1		
54	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866		
55	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5		
56	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	1	SY	1	SZ			
57	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	.866	SY	1	SZ	.5		
58	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	.5	SY	1	SZ	.866		
59	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX		SY	1	SZ	1		
60	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866		
61	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5		
62	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	-1	SY	1	SZ			
63	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5		
64	1.2D + 1.0Ev + 1...		Y	1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866		

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.25	0	3.810523	0	
2	N2	-6.25	0	3.810523	0	
3	N3	0	0	-1.208333	0	
4	N5	-2.541667	0	-2.708333	0	
5	N6	2.315104	0.166667	-2.708333	0	
6	N7	-2.315104	0.166667	-2.708333	0	
7	N8	5.916667	0	3.810523	0	
8	N9	5.916667	0	4.060523	0	
9	N10	-5.75	0	3.810523	0	
10	N11	-5.75	0	4.060523	0	
11	N12	2.083333	0	3.810523	0	
12	N13	2.083333	0	4.060523	0	
13	N14	-1.75	0	3.810523	0	
14	N15	-1.75	0	4.060523	0	
15	N16	-1.75	-3.5	4.060523	0	
16	N17	-1.75	3.5	4.060523	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
17	N18	-5.75	-3.5	4.060523	0	
18	N19	-5.75	3.5	4.060523	0	
19	N20	2.083333	-3.5	4.060523	0	
20	N21	2.083333	3.5	4.060523	0	
21	N22	5.916667	-3.5	4.060523	0	
22	N23	5.916667	3.5	4.060523	0	
23	N24	0	0	-2.708333	0	
24	N27	0	0	-6.395833	0	
25	CP	0	0	0	0	
26	N29	2.315104	0	-2.708333	0	
27	N30	-2.315104	0	-2.708333	0	
28	N101	2.541667	0	-2.708333	0	
29	N102	-0.166667	0	-2.708333	0	
30	N103A	0.166667	0	-2.708333	0	
31	N104A	-2.541667	0	-2.927083	0	
32	N105	2.541667	0	-2.927083	0	
33	N131	2.458333	0	-3.071421	0	
34	N135	0.571615	0	-6.298857	0	
35	N144	-2.458333	0	-3.071421	0	
36	N148	-0.571615	0	-6.298857	0	
37	N86A	2.584629	0	-3.144338	0	
38	N86B	-2.584629	0	-3.144338	0	
39	N86C	-0.515625	0	-6.395833	0	
40	N87A	0.515625	0	-6.395833	0	
41	N86D	0.715429	0	-6.381888	0	
42	N86E	-0.715429	0	-6.381888	0	
43	N88A	0	0	-6.3125	0	
44	N87C	0.234238	0.166667	-6.3125	0	
45	N86G	0.234238	0	-6.3125	0	
46	N87B	-0.234238	0.166667	-6.3125	0	
47	N88C	-0.234238	0	-6.3125	0	
48	N87D	-1.046447	0	0.604167	0	
49	N88B	-1.074652	0	3.555315	0	
50	N89	-3.503038	0.166667	-0.650772	0	
51	N90	-1.187933	0.166667	3.359106	0	
52	N91	-2.345485	0	1.354167	0	
53	N92	-5.538954	0	3.197917	0	
54	N93	-3.503038	0	-0.650772	0	
55	N94	-1.187933	0	3.359106	0	
56	N95	-3.616319	0	-0.846981	0	
57	N96	-2.262152	0	1.498504	0	
58	N97	-2.428819	0	1.209829	0	
59	N98	-1.264095	0	3.66469	0	
60	N99	-3.805762	0	-0.737606	0	
61	N100	-3.889095	0	-0.593269	0	
62	N101A	-5.740777	0	2.654396	0	
63	N102A	-1.430762	0	3.66469	0	
64	N103	-5.169162	0	3.644461	0	
65	N104	-4.015391	0	-0.666185	0	
66	N105A	-1.430762	0	3.810523	0	
67	N106	-5.281142	0	3.644461	0	
68	N107	-5.796767	0	2.751372	0	
69	N108	-5.884591	0	2.571364	0	
70	N109	-5.169162	0	3.810523	0	
71	N110	-5.466785	0	3.15625	0	
72	N111	-5.583904	0.166667	2.953394	0	
73	N112	-5.583904	0	2.953394	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
74	N113	-5.349667	0.166667	3.359106	0	
75	N114	-5.349667	0	3.359106	0	
76	N115	1.046447	0	0.604167	0	
77	N116	3.616319	0	-0.846981	0	
78	N117	1.187933	0.166667	3.359106	0	
79	N118	3.503038	0.166667	-0.650772	0	
80	N119	2.345485	0	1.354167	0	
81	N120	5.538954	0	3.197917	0	
82	N121	1.187933	0	3.359106	0	
83	N122	3.503038	0	-0.650772	0	
84	N123	1.074652	0	3.555315	0	
85	N124	2.428819	0	1.209829	0	
86	N125	2.262152	0	1.498504	0	
87	N126	3.805762	0	-0.737606	0	
88	N127	1.264095	0	3.66469	0	
89	N128	1.430762	0	3.66469	0	
90	N129	5.169162	0	3.644461	0	
91	N130	3.889095	0	-0.593269	0	
92	N131A	5.740777	0	2.654396	0	
93	N132	1.430762	0	3.810523	0	
94	N133	4.015391	0	-0.666186	0	
95	N134	5.796767	0	2.751372	0	
96	N135A	5.281142	0	3.644461	0	
97	N136	5.169162	0	3.810523	0	
98	N137	5.884591	0	2.571364	0	
99	N138	5.466785	0	3.15625	0	
100	N139	5.349667	0.166667	3.359106	0	
101	N140	5.349667	0	3.359106	0	
102	N141	5.583904	0.166667	2.953394	0	
103	N142	5.583904	0	2.953394	0	
104	N104B	0.17501	0	-7.31792	0	
105	N105B	6.42501	0	3.507397	0	
106	N124A	-6.42501	0	3.507397	0	
107	N125A	-0.17501	0	-7.31792	0	
108	N108A	0.341677	0	-7.029245	0	
109	N109A	0.558183	0	-7.154245	0	
110	N110A	6.17501	0	3.074384	0	
111	N111A	6.391516	0	2.949384	0	
112	N112A	2.258343	0	-3.709481	0	
113	N113A	2.47485	0	-3.834481	0	
114	N114A	4.17501	0	-0.389717	0	
115	N115A	4.391516	0	-0.514717	0	
116	N116A	4.391516	-3.5	-0.514717	0	
117	N117A	4.391516	3.5	-0.514717	0	
118	N118A	6.391516	-3.5	2.949384	0	
119	N119A	6.391516	3.5	2.949384	0	
120	N120A	2.47485	-3.5	-3.834481	0	
121	N121A	2.47485	3.5	-3.834481	0	
122	N122A	0.558183	-3.5	-7.154245	0	
123	N123A	0.558183	3.5	-7.154245	0	
124	N125B	-6.258343	0	3.218722	0	
125	N126A	-6.47485	0	3.093722	0	
126	N127A	-0.42501	0	-6.884908	0	
127	N128A	-0.641516	0	-7.009908	0	
128	N129A	-4.341677	0	-0.101042	0	
129	N130A	-4.558183	0	-0.226042	0	
130	N131B	-2.42501	0	-3.420806	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
131	N132A	-2.641516	0	-3.545806	0	
132	N133A	-2.641516	-3.5	-3.545806	0	
133	N134A	-2.641516	3.5	-3.545806	0	
134	N135B	-0.641516	-3.5	-7.009908	0	
135	N136A	-0.641516	3.5	-7.009908	0	
136	N137A	-4.558183	-3.5	-0.226042	0	
137	N138A	-4.558183	3.5	-0.226042	0	
138	N139A	-6.47485	-3.5	3.093722	0	
139	N140A	-6.47485	3.5	3.093722	0	
140	N140B	5.916667	1	4.060523	0	
141	N141A	5.916667	-1	4.060523	0	
142	N142A	2.083333	2.75	4.060523	0	
143	N143	2.083333	-2.75	4.060523	0	
144	N144A	6.25	3	3.810523	0	
145	N145	-6.25	3	3.810523	0	
146	N146	5.916667	3	3.810523	0	
147	N147	5.916667	3	4.060523	0	
148	N148A	-5.75	3	3.810523	0	
149	N149	-5.75	3	4.060523	0	
150	N150	2.083333	3	3.810523	0	
151	N151	2.083333	3	4.060523	0	
152	N152	-1.75	3	3.810523	0	
153	N153	-1.75	3	4.060523	0	
154	N154	0.17501	3	-7.31792	0	
155	N155	6.42501	3	3.507397	0	
156	N156	0.341677	3	-7.029245	0	
157	N157	0.558183	3	-7.154245	0	
158	N158	6.17501	3	3.074384	0	
159	N159	6.391516	3	2.949384	0	
160	N160	2.258343	3	-3.709481	0	
161	N161	2.47485	3	-3.834481	0	
162	N162	4.17501	3	-0.389717	0	
163	N163	4.391516	3	-0.514717	0	
164	N164	-6.42501	3	3.507397	0	
165	N165	-0.17501	3	-7.31792	0	
166	N166	-6.258343	3	3.218722	0	
167	N167	-6.47485	3	3.093722	0	
168	N168	-0.42501	3	-6.884908	0	
169	N169	-0.641516	3	-7.009908	0	
170	N170	-4.341677	3	-0.101042	0	
171	N171	-4.558183	3	-0.226042	0	
172	N172	-2.42501	3	-3.420806	0	
173	N173	-2.641516	3	-3.545806	0	
174	N174	-5	3	3.810523	0	
175	N175	5	3	3.810523	0	
176	N176	5.80001	3	2.424865	0	
177	N177	0.80001	3	-6.235389	0	
178	N178	-0.80001	3	-6.235389	0	
179	N179	-5.80001	3	2.424865	0	
180	N180	-5	3	3.685523	0	
181	N181	5	3	3.685523	0	
182	N184	5.691757	3	2.487365	0	
183	N185	0.691757	3	-6.172889	0	
184	N188	-0.691757	3	-6.172889	0	
185	N189	-5.691757	3	2.487365	0	
186	N186	0	0	-2.208333	0	
187	N187	-25	0	-2.208333	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
188	N188A	-25	-1	-2.208333	0	
189	N189A	-25	2	-2.208333	0	
190	N190	-1.912473	0	1.104167	0	
191	N191	-1.787473	0	1.320673	0	
192	N192	-1.787473	-1	1.320673	0	
193	N193	-1.787473	2	1.320673	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Support Rail	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr...	Typical	3.37	7.8	7.8	12.8
4	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
5	Platform Crossmember	HSS4X4X4	Beam	SquareTube	A500 Gr...	Typical	3.37	7.8	7.8	12.8
6	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
7	Corner Angle	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
8	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	FACE	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	LIVE2	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	LIVE1	N12	N13			RIGID	None	None	RIGID	Typical
7	M22	N14	N15			RIGID	None	None	RIGID	Typical
8	MP3A	N17	N16			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
9	MP4A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	MP2A	N21	N20			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
12	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
13	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
14	M35A	N7	N30			RIGID	None	None	RIGID	Typical
15	M36A	N6	N29			RIGID	None	None	RIGID	Typical
16	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
17	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
18	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
19	M58	N102	N24			RIGID	None	None	RIGID	Typical
20	M59	N24	N103A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
21	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
23	M79	N131	N86A			RIGID	None	None	RIGID	Typical
24	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
25	M83	N135	N86D			RIGID	None	None	RIGID	Typical
26	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
27	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
28	M88	N144	N86B			RIGID	None	None	RIGID	Typical
29	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
30	M92	N148	N86E			RIGID	None	None	RIGID	Typical
31	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
32	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
33	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
34	M52A	N87D	N92			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
35	M53	N95	N97			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
36	M54	N96	N88B			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
37	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr.36	Typical
38	M56	N90	N94			RIGID	None	None	RIGID	Typical
39	M57	N89	N93			RIGID	None	None	RIGID	Typical
40	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
41	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
42	M60	N113	N114			RIGID	None	None	RIGID	Typical
43	M61	N96	N91			RIGID	None	None	RIGID	Typical
44	M62	N91	N97			RIGID	None	None	RIGID	Typical
45	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
47	M65	N100	N104			RIGID	None	None	RIGID	Typical
48	M66	N107	N101A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
49	M67	N101A	N108			RIGID	None	None	RIGID	Typical
50	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
51	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
52	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
53	M71	N106	N103			Corner Plate	Beam	BAR	A36 Gr.36	Typical
54	M72	N103	N109			RIGID	None	None	RIGID	Typical
55	M73	N114	N110			RIGID	None	None	RIGID	Typical
56	M74	N110	N112			RIGID	None	None	RIGID	Typical
57	M75	N111	N112			RIGID	None	None	RIGID	Typical
58	M76A	N115	N120			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
59	M77A	N123	N125			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
60	M78	N124	N116			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
61	M79A	N134	N135A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
62	M80A	N118	N122			RIGID	None	None	RIGID	Typical
63	M81	N117	N121			RIGID	None	None	RIGID	Typical
64	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
65	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
66	M84A	N141	N142			RIGID	None	None	RIGID	Typical
67	M85A	N124	N119			RIGID	None	None	RIGID	Typical
68	M86	N119	N125			RIGID	None	None	RIGID	Typical
69	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
70	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
71	M89	N128	N132			RIGID	None	None	RIGID	Typical
72	M90	N135A	N129			Corner Plate	Beam	BAR	A36 Gr.36	Typical
73	M91A	N129	N136			RIGID	None	None	RIGID	Typical
74	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
75	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
76	M94	N130	N133			RIGID	None	None	RIGID	Typical
77	M95	N134	N131A			Corner Plate	Beam	BAR	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
78	M96	N131A	N137			RIGID	None	None	RIGID	Typical
79	M97	N142	N138			RIGID	None	None	RIGID	Typical
80	M98	N138	N140			RIGID	None	None	RIGID	Typical
81	M99	N139	N140			RIGID	None	None	RIGID	Typical
82	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
83	M91B	N124A	N125A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
84	M84B	N108A	N109A			RIGID	None	None	RIGID	Typical
85	M85B	N110A	N111A			RIGID	None	None	RIGID	Typical
86	M86A	N112A	N113A			RIGID	None	None	RIGID	Typical
87	M87A	N114A	N115A			RIGID	None	None	RIGID	Typical
88	MP3C	N117A	N116A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	MP4C	N119A	N118A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	MP2C	N121A	N120A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	MP1C	N123A	N122A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M92B	N125B	N126A			RIGID	None	None	RIGID	Typical
93	M93A	N127A	N128A			RIGID	None	None	RIGID	Typical
94	M94A	N129A	N130A			RIGID	None	None	RIGID	Typical
95	M95A	N131B	N132A			RIGID	None	None	RIGID	Typical
96	MP3B	N134A	N133A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	MP4B	N136A	N135B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	MP2B	N138A	N137A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	MP1B	N140A	N139A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M100	N144A	N145			Support Rail	Beam	Pipe	A53 Gr.B	Typical
101	M101	N146	N147			RIGID	None	None	RIGID	Typical
102	M102	N148A	N149			RIGID	None	None	RIGID	Typical
103	M103	N150	N151			RIGID	None	None	RIGID	Typical
104	M104	N152	N153			RIGID	None	None	RIGID	Typical
105	M105	N154	N155			Support Rail	Beam	Pipe	A53 Gr.B	Typical
106	M106	N156	N157			RIGID	None	None	RIGID	Typical
107	M107	N158	N159			RIGID	None	None	RIGID	Typical
108	M108	N160	N161			RIGID	None	None	RIGID	Typical
109	M109	N162	N163			RIGID	None	None	RIGID	Typical
110	M110	N164	N165			Support Rail	Beam	Pipe	A53 Gr.B	Typical
111	M111	N166	N167			RIGID	None	None	RIGID	Typical
112	M112	N168	N169			RIGID	None	None	RIGID	Typical
113	M113	N170	N171			RIGID	None	None	RIGID	Typical
114	M114	N172	N173			RIGID	None	None	RIGID	Typical
115	M115	N174	N180			RIGID	None	None	RIGID	Typical
116	M116	N175	N181			RIGID	None	None	RIGID	Typical
117	M117	N176	N184			RIGID	None	None	RIGID	Typical
118	M118	N177	N185			RIGID	None	None	RIGID	Typical
119	M119	N178	N188			RIGID	None	None	RIGID	Typical
120	M120	N179	N189			RIGID	None	None	RIGID	Typical
121	M121	N180	N189		180	Corner Angle	Beam	Single Angle	A36 Gr.36	Typical
122	M122	N188	N185		180	Corner Angle	Beam	Single Angle	A36 Gr.36	Typical
123	M123	N184	N181		180	Corner Angle	Beam	Single Angle	A36 Gr.36	Typical
124	M124	N186	N187			RIGID	None	None	RIGID	Typical
125	OVPB	N189A	N188A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
126	M126	N190	N191			RIGID	None	None	RIGID	Typical
127	OVPA	N193	N192			Mount Pipe	Column	Pipe	A53 Gr.B	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	FACE	Face Horizo...	12.5			Lbyy						Lateral
2	M4	Standoff Ho...	5.188			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
3	M10	Platform Cr...	2.375			Lbyy						Lateral
4	MP3A	Mount Pipe	7			Lbyy						Lateral
5	MP4A	Mount Pipe	7			Lbyy						Lateral
6	MP2A	Mount Pipe	7			Lbyy						Lateral
7	MP1A	Mount Pipe	7			Lbyy						Lateral
8	M43	Platform Cr...	2.375			Lbyy						Lateral
9	M46	Corner Plate	1.031			Lbyy						Lateral
10	M51B	Grating Sup...	4.162			Lbyy						Lateral
11	M52B	Grating Sup...	4.162			Lbyy						Lateral
12	M76	Cross Arm ...	.219									Lateral
13	M77	Cross Arm ...	.167									Lateral
14	M80	Corner Plate	.112			Lbyy						Lateral
15	M84	Cross Arm ...	.219									Lateral
16	M85	Cross Arm ...	.167									Lateral
17	M91	Corner Plate	.112			Lbyy						Lateral
18	M52A	Standoff Ho...	5.188			Lbyy						Lateral
19	M53	Platform Cr...	2.375			Lbyy						Lateral
20	M54	Platform Cr...	2.375			Lbyy						Lateral
21	M55	Corner Plate	1.031			Lbyy						Lateral
22	M58A	Grating Sup...	4.162			Lbyy						Lateral
23	M59A	Grating Sup...	4.162			Lbyy						Lateral
24	M63	Cross Arm ...	.219									Lateral
25	M64	Cross Arm ...	.167									Lateral
26	M66	Corner Plate	.112			Lbyy						Lateral
27	M68	Cross Arm ...	.219									Lateral
28	M69	Cross Arm ...	.167									Lateral
29	M71	Corner Plate	.112			Lbyy						Lateral
30	M76A	Standoff Ho...	5.188			Lbyy						Lateral
31	M77A	Platform Cr...	2.375			Lbyy						Lateral
32	M78	Platform Cr...	2.375			Lbyy						Lateral
33	M79A	Corner Plate	1.031			Lbyy						Lateral
34	M82	Grating Sup...	4.162			Lbyy						Lateral
35	M83A	Grating Sup...	4.162			Lbyy						Lateral
36	M87	Cross Arm ...	.219									Lateral
37	M88A	Cross Arm ...	.167									Lateral
38	M90	Corner Plate	.112			Lbyy						Lateral
39	M92A	Cross Arm ...	.219									Lateral
40	M93	Cross Arm ...	.167									Lateral
41	M95	Corner Plate	.112			Lbyy						Lateral
42	M82A	Face Horizo...	12.5			Lbyy						Lateral
43	M91B	Face Horizo...	12.5			Lbyy						Lateral
44	MP3C	Mount Pipe	7			Lbyy						Lateral
45	MP4C	Mount Pipe	7			Lbyy						Lateral
46	MP2C	Mount Pipe	7			Lbyy						Lateral
47	MP1C	Mount Pipe	7			Lbyy						Lateral
48	MP3B	Mount Pipe	7			Lbyy						Lateral
49	MP4B	Mount Pipe	7			Lbyy						Lateral
50	MP2B	Mount Pipe	7			Lbyy						Lateral
51	MP1B	Mount Pipe	7			Lbyy						Lateral
52	M100	Support Rail	12.5			Lbyy						Lateral
53	M105	Support Rail	12.5			Lbyy						Lateral
54	M110	Support Rail	12.5			Lbyy						Lateral
55	M121	Corner Angle	1.384			Lbyy						Lateral
56	M122	Corner Angle	1.384			Lbyy						Lateral
57	M123	Corner Angle	1.384			Lbyy						Lateral
58	OVPB	Mount Pipe	3									Lateral
59	OVPA	Mount Pipe	3									Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-43.55	2
2	MP1A	My	-.022	2
3	MP1A	Mz	0	2
4	MP1A	Y	-43.55	3
5	MP1A	My	-.022	3
6	MP1A	Mz	0	3
7	MP1B	Y	-43.55	2
8	MP1B	My	.006	2
9	MP1B	Mz	-.021	2
10	MP1B	Y	-43.55	3
11	MP1B	My	.006	3
12	MP1B	Mz	-.021	3
13	MP1C	Y	-43.55	2
14	MP1C	My	.015	2
15	MP1C	Mz	.015	2
16	MP1C	Y	-43.55	3
17	MP1C	My	.015	3
18	MP1C	Mz	.015	3
19	MP2A	Y	-21.85	.75
20	MP2A	My	-.011	.75
21	MP2A	Mz	.013	.75
22	MP2A	Y	-21.85	4.75
23	MP2A	My	-.011	4.75
24	MP2A	Mz	.013	4.75
25	MP2B	Y	-21.85	.75
26	MP2B	My	-.012	.75
27	MP2B	Mz	-.003	.75
28	MP2B	Y	-21.85	4.75
29	MP2B	My	-.012	4.75
30	MP2B	Mz	-.003	4.75
31	MP2C	Y	-21.85	.75
32	MP2C	My	.017	.75
33	MP2C	Mz	-.001	.75
34	MP2C	Y	-21.85	4.75
35	MP2C	My	.017	4.75
36	MP2C	Mz	-.001	4.75
37	MP2A	Y	-32.3	.75
38	MP2A	My	-.016	.75
39	MP2A	Mz	-.019	.75
40	MP2A	Y	-32.3	4.75
41	MP2A	My	-.016	4.75
42	MP2A	Mz	-.019	4.75
43	MP2B	Y	-32.3	.75
44	MP2B	My	.022	.75
45	MP2B	Mz	-.011	.75
46	MP2B	Y	-32.3	4.75
47	MP2B	My	.022	4.75
48	MP2B	Mz	-.011	4.75
49	MP2C	Y	-32.3	.75
50	MP2C	My	-.002	.75
51	MP2C	Mz	.025	.75
52	MP2C	Y	-32.3	4.75
53	MP2C	My	-.002	4.75
54	MP2C	Mz	.025	4.75
55	MP2A	Y	-18.7	3
56	MP2A	My	.009	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
57	MP2A	Mz	.002	3
58	MP2B	Y	-18.7	3
59	MP2B	My	-.007	3
60	MP2B	Mz	.007	3
61	MP2C	Y	-18.7	3
62	MP2C	My	-.002	3
63	MP2C	Mz	-.009	3
64	OVPB	Y	-32	1.5
65	OVPB	My	0	1.5
66	OVPB	Mz	0	1.5
67	MP3B	Y	-6	.25
68	MP3B	My	.002	.25
69	MP3B	Mz	-.002	.25
70	MP3B	Y	-6	5.5
71	MP3B	My	.002	5.5
72	MP3B	Mz	-.002	5.5
73	MP3C	Y	-6	.25
74	MP3C	My	.000776	.25
75	MP3C	Mz	.003	.25
76	MP3C	Y	-6	5.5
77	MP3C	My	.000776	5.5
78	MP3C	Mz	.003	5.5
79	MP3A	Y	-4.95	.25
80	MP3A	My	-.002	.25
81	MP3A	Mz	-.000641	.25
82	MP3A	Y	-4.95	5.5
83	MP3A	My	-.002	5.5
84	MP3A	Mz	-.000641	5.5
85	OVPA	Y	-32	1.5
86	OVPA	My	0	1.5
87	OVPA	Mz	0	1.5
88	MP1A	Y	-74.7	3
89	MP1A	My	.036	3
90	MP1A	Mz	.01	3
91	MP1B	Y	-74.7	3
92	MP1B	My	-.026	3
93	MP1B	Mz	.026	3
94	MP1C	Y	-74.7	3
95	MP1C	My	-.01	3
96	MP1C	Mz	-.036	3
97	MP3A	Y	-70.3	3
98	MP3A	My	.034	3
99	MP3A	Mz	.009	3
100	MP3B	Y	-70.3	3
101	MP3B	My	-.025	3
102	MP3B	Mz	.025	3
103	MP3C	Y	-70.3	3
104	MP3C	My	-.009	3
105	MP3C	Mz	-.034	3

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP1A	Y	-56.917	2
2	MP1A	My	-.028	2
3	MP1A	Mz	0	2
4	MP1A	Y	-56.917	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
5	MP1A	My	-.028	3
6	MP1A	Mz	0	3
7	MP1B	Y	-56.917	2
8	MP1B	My	.007	2
9	MP1B	Mz	-.027	2
10	MP1B	Y	-56.917	3
11	MP1B	My	.007	3
12	MP1B	Mz	-.027	3
13	MP1C	Y	-56.917	2
14	MP1C	My	.02	2
15	MP1C	Mz	.02	2
16	MP1C	Y	-56.917	3
17	MP1C	My	.02	3
18	MP1C	Mz	.02	3
19	MP2A	Y	-96.414	.75
20	MP2A	My	-.048	.75
21	MP2A	Mz	.056	.75
22	MP2A	Y	-96.414	4.75
23	MP2A	My	-.048	4.75
24	MP2A	Mz	.056	4.75
25	MP2B	Y	-96.414	.75
26	MP2B	My	-.054	.75
27	MP2B	Mz	-.015	.75
28	MP2B	Y	-96.414	4.75
29	MP2B	My	-.054	4.75
30	MP2B	Mz	-.015	4.75
31	MP2C	Y	-96.414	.75
32	MP2C	My	.074	.75
33	MP2C	Mz	-.006	.75
34	MP2C	Y	-96.414	4.75
35	MP2C	My	.074	4.75
36	MP2C	Mz	-.006	4.75
37	MP2A	Y	-96.414	.75
38	MP2A	My	-.048	.75
39	MP2A	Mz	-.056	.75
40	MP2A	Y	-96.414	4.75
41	MP2A	My	-.048	4.75
42	MP2A	Mz	-.056	4.75
43	MP2B	Y	-96.414	.75
44	MP2B	My	.067	.75
45	MP2B	Mz	-.032	.75
46	MP2B	Y	-96.414	4.75
47	MP2B	My	.067	4.75
48	MP2B	Mz	-.032	4.75
49	MP2C	Y	-96.414	.75
50	MP2C	My	-.006	.75
51	MP2C	Mz	.074	.75
52	MP2C	Y	-96.414	4.75
53	MP2C	My	-.006	4.75
54	MP2C	Mz	.074	4.75
55	MP2A	Y	-33.133	3
56	MP2A	My	.016	3
57	MP2A	Mz	.004	3
58	MP2B	Y	-33.133	3
59	MP2B	My	-.012	3
60	MP2B	Mz	.012	3
61	MP2C	Y	-33.133	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
62	MP2C	My	-.004	3
63	MP2C	Mz	-.016	3
64	OVPB	Y	-120.775	1.5
65	OVPB	My	0	1.5
66	OVPB	Mz	0	1.5
67	MP3B	Y	-50.439	.25
68	MP3B	My	.018	.25
69	MP3B	Mz	-.018	.25
70	MP3B	Y	-50.439	5.5
71	MP3B	My	.018	5.5
72	MP3B	Mz	-.018	5.5
73	MP3C	Y	-50.439	.25
74	MP3C	My	.007	.25
75	MP3C	Mz	.024	.25
76	MP3C	Y	-50.439	5.5
77	MP3C	My	.007	5.5
78	MP3C	Mz	.024	5.5
79	MP3A	Y	-56.694	.25
80	MP3A	My	-.027	.25
81	MP3A	Mz	-.007	.25
82	MP3A	Y	-56.694	5.5
83	MP3A	My	-.027	5.5
84	MP3A	Mz	-.007	5.5
85	OVPA	Y	-139.22	1.5
86	OVPA	My	0	1.5
87	OVPA	Mz	0	1.5
88	MP1A	Y	-72.351	3
89	MP1A	My	.035	3
90	MP1A	Mz	.009	3
91	MP1B	Y	-72.351	3
92	MP1B	My	-.026	3
93	MP1B	Mz	.026	3
94	MP1C	Y	-72.351	3
95	MP1C	My	-.009	3
96	MP1C	Mz	-.035	3
97	MP3A	Y	-69.025	3
98	MP3A	My	.033	3
99	MP3A	Mz	.009	3
100	MP3B	Y	-69.025	3
101	MP3B	My	-.024	3
102	MP3B	Mz	.024	3
103	MP3C	Y	-69.025	3
104	MP3C	My	-.009	3
105	MP3C	Mz	-.033	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	0	2
2	MP1A	Z	-94.658	2
3	MP1A	Mx	0	2
4	MP1A	X	0	3
5	MP1A	Z	-94.658	3
6	MP1A	Mx	0	3
7	MP1B	X	0	2
8	MP1B	Z	-40.917	2
9	MP1B	Mx	.02	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP1B	X	0	3
11	MP1B	Z	-40.917	3
12	MP1B	Mx	.02	3
13	MP1C	X	0	2
14	MP1C	Z	-65.858	2
15	MP1C	Mx	-.023	2
16	MP1C	X	0	3
17	MP1C	Z	-65.858	3
18	MP1C	Mx	-.023	3
19	MP2A	X	0	.75
20	MP2A	Z	-162.731	.75
21	MP2A	Mx	-.095	.75
22	MP2A	X	0	4.75
23	MP2A	Z	-162.731	4.75
24	MP2A	Mx	-.095	4.75
25	MP2B	X	0	.75
26	MP2B	Z	-111.276	.75
27	MP2B	Mx	.017	.75
28	MP2B	X	0	4.75
29	MP2B	Z	-111.276	4.75
30	MP2B	Mx	.017	4.75
31	MP2C	X	0	.75
32	MP2C	Z	-135.156	.75
33	MP2C	Mx	.008	.75
34	MP2C	X	0	4.75
35	MP2C	Z	-135.156	4.75
36	MP2C	Mx	.008	4.75
37	MP2A	X	0	.75
38	MP2A	Z	-162.127	.75
39	MP2A	Mx	.095	.75
40	MP2A	X	0	4.75
41	MP2A	Z	-162.127	4.75
42	MP2A	Mx	.095	4.75
43	MP2B	X	0	.75
44	MP2B	Z	-111.235	.75
45	MP2B	Mx	.037	.75
46	MP2B	X	0	4.75
47	MP2B	Z	-111.235	4.75
48	MP2B	Mx	.037	4.75
49	MP2C	X	0	.75
50	MP2C	Z	-134.854	.75
51	MP2C	Mx	-.103	.75
52	MP2C	X	0	4.75
53	MP2C	Z	-134.854	4.75
54	MP2C	Mx	-.103	4.75
55	MP2A	X	0	3
56	MP2A	Z	-38.934	3
57	MP2A	Mx	-.005	3
58	MP2B	X	0	3
59	MP2B	Z	-30.232	3
60	MP2B	Mx	-.011	3
61	MP2C	X	0	3
62	MP2C	Z	-21.53	3
63	MP2C	Mx	.01	3
64	OV PB	X	0	1.5
65	OV PB	Z	-149.204	1.5
66	OV PB	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
67	MP3B	X	0	.25
68	MP3B	Z	-64.748	.25
69	MP3B	Mx	.023	.25
70	MP3B	X	0	5.5
71	MP3B	Z	-64.748	5.5
72	MP3B	Mx	.023	5.5
73	MP3C	X	0	.25
74	MP3C	Z	-58.729	.25
75	MP3C	Mx	-.028	.25
76	MP3C	X	0	5.5
77	MP3C	Z	-58.729	5.5
78	MP3C	Mx	-.028	5.5
79	MP3A	X	0	.25
80	MP3A	Z	-91.985	.25
81	MP3A	Mx	.012	.25
82	MP3A	X	0	5.5
83	MP3A	Z	-91.985	5.5
84	MP3A	Mx	.012	5.5
85	OVPA	X	0	1.5
86	OVPA	Z	-160.94	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	0	3
89	MP1A	Z	-73.651	3
90	MP1A	Mx	-.01	3
91	MP1B	X	0	3
92	MP1B	Z	-62.837	3
93	MP1B	Mx	-.022	3
94	MP1C	X	0	3
95	MP1C	Z	-52.023	3
96	MP1C	Mx	.025	3
97	MP3A	X	0	3
98	MP3A	Z	-73.347	3
99	MP3A	Mx	-.009	3
100	MP3B	X	0	3
101	MP3B	Z	-60.571	3
102	MP3B	Mx	-.021	3
103	MP3C	X	0	3
104	MP3C	Z	-47.795	3
105	MP3C	Mx	.023	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	40.129	2
2	MP1A	Z	-69.506	2
3	MP1A	Mx	-.02	2
4	MP1A	X	40.129	3
5	MP1A	Z	-69.506	3
6	MP1A	Mx	-.02	3
7	MP1B	X	20.458	2
8	MP1B	Z	-35.435	2
9	MP1B	Mx	.02	2
10	MP1B	X	20.458	3
11	MP1B	Z	-35.435	3
12	MP1B	Mx	.02	3
13	MP1C	X	45.4	2
14	MP1C	Z	-78.635	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
15	MP1C	Mx	-.012	2
16	MP1C	X	45.4	3
17	MP1C	Z	-78.635	3
18	MP1C	Mx	-.012	3
19	MP2A	X	74.472	.75
20	MP2A	Z	-128.989	.75
21	MP2A	Mx	-.112	.75
22	MP2A	X	74.472	4.75
23	MP2A	Z	-128.989	4.75
24	MP2A	Mx	-.112	4.75
25	MP2B	X	55.638	.75
26	MP2B	Z	-96.368	.75
27	MP2B	Mx	-.017	.75
28	MP2B	X	55.638	4.75
29	MP2B	Z	-96.368	4.75
30	MP2B	Mx	-.017	4.75
31	MP2C	X	79.519	.75
32	MP2C	Z	-137.73	.75
33	MP2C	Mx	.069	.75
34	MP2C	X	79.519	4.75
35	MP2C	Z	-137.73	4.75
36	MP2C	Mx	.069	4.75
37	MP2A	X	74.245	.75
38	MP2A	Z	-128.597	.75
39	MP2A	Mx	.038	.75
40	MP2A	X	74.245	4.75
41	MP2A	Z	-128.597	4.75
42	MP2A	Mx	.038	4.75
43	MP2B	X	55.618	.75
44	MP2B	Z	-96.332	.75
45	MP2B	Mx	.071	.75
46	MP2B	X	55.618	4.75
47	MP2B	Z	-96.332	4.75
48	MP2B	Mx	.071	4.75
49	MP2C	X	79.237	.75
50	MP2C	Z	-137.242	.75
51	MP2C	Mx	-.11	.75
52	MP2C	X	79.237	4.75
53	MP2C	Z	-137.242	4.75
54	MP2C	Mx	-.11	4.75
55	MP2A	X	19.467	3
56	MP2A	Z	-33.718	3
57	MP2A	Mx	.005	3
58	MP2B	X	10.765	3
59	MP2B	Z	-18.646	3
60	MP2B	Mx	-.01	3
61	MP2C	X	15.116	3
62	MP2C	Z	-26.182	3
63	MP2C	Mx	.011	3
64	OVPB	X	63.428	1.5
65	OVPB	Z	-109.86	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	29.364	.25
68	MP3B	Z	-50.861	.25
69	MP3B	Mx	.028	.25
70	MP3B	X	29.364	5.5
71	MP3B	Z	-50.861	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
72	MP3B	Mx	.028	5.5
73	MP3C	X	32.374	.25
74	MP3C	Z	-56.073	.25
75	MP3C	Mx	-.023	.25
76	MP3C	X	32.374	5.5
77	MP3C	Z	-56.073	5.5
78	MP3C	Mx	-.023	5.5
79	MP3A	X	45.993	.25
80	MP3A	Z	-79.662	.25
81	MP3A	Mx	-.012	.25
82	MP3A	X	45.993	5.5
83	MP3A	Z	-79.662	5.5
84	MP3A	Mx	-.012	5.5
85	OVPA	X	72.076	1.5
86	OVPA	Z	-124.839	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	36.825	3
89	MP1A	Z	-63.783	3
90	MP1A	Mx	.01	3
91	MP1B	X	26.011	3
92	MP1B	Z	-45.053	3
93	MP1B	Mx	-.025	3
94	MP1C	X	31.418	3
95	MP1C	Z	-54.418	3
96	MP1C	Mx	.022	3
97	MP3A	X	36.674	3
98	MP3A	Z	-63.521	3
99	MP3A	Mx	.009	3
100	MP3B	X	23.898	3
101	MP3B	Z	-41.392	3
102	MP3B	Mx	-.023	3
103	MP3C	X	30.286	3
104	MP3C	Z	-52.456	3
105	MP3C	Mx	.021	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	44.564	2
2	MP1A	Z	-25.729	2
3	MP1A	Mx	-.022	2
4	MP1A	X	44.564	3
5	MP1A	Z	-25.729	3
6	MP1A	Mx	-.022	3
7	MP1B	X	57.035	2
8	MP1B	Z	-32.929	2
9	MP1B	Mx	.023	2
10	MP1B	X	57.035	3
11	MP1B	Z	-32.929	3
12	MP1B	Mx	.023	3
13	MP1C	X	78.635	2
14	MP1C	Z	-45.4	2
15	MP1C	Mx	.012	2
16	MP1C	X	78.635	3
17	MP1C	Z	-45.4	3
18	MP1C	Mx	.012	3
19	MP2A	X	105.108	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
20	MP2A	Z	-60.684	.75
21	MP2A	Mx	-.088	.75
22	MP2A	X	105.108	4.75
23	MP2A	Z	-60.684	4.75
24	MP2A	Mx	-.088	4.75
25	MP2B	X	117.049	.75
26	MP2B	Z	-67.578	.75
27	MP2B	Mx	-.056	.75
28	MP2B	X	117.049	4.75
29	MP2B	Z	-67.578	4.75
30	MP2B	Mx	-.056	4.75
31	MP2C	X	137.73	.75
32	MP2C	Z	-79.519	.75
33	MP2C	Mx	.11	.75
34	MP2C	X	137.73	4.75
35	MP2C	Z	-79.519	4.75
36	MP2C	Mx	.11	4.75
37	MP2A	X	104.978	.75
38	MP2A	Z	-60.609	.75
39	MP2A	Mx	-.017	.75
40	MP2A	X	104.978	4.75
41	MP2A	Z	-60.609	4.75
42	MP2A	Mx	-.017	4.75
43	MP2B	X	116.787	.75
44	MP2B	Z	-67.427	.75
45	MP2B	Mx	.103	.75
46	MP2B	X	116.787	4.75
47	MP2B	Z	-67.427	4.75
48	MP2B	Mx	.103	4.75
49	MP2C	X	137.242	.75
50	MP2C	Z	-79.237	.75
51	MP2C	Mx	-.069	.75
52	MP2C	X	137.242	4.75
53	MP2C	Z	-79.237	4.75
54	MP2C	Mx	-.069	4.75
55	MP2A	X	26.182	3
56	MP2A	Z	-15.116	3
57	MP2A	Mx	.011	3
58	MP2B	X	18.646	3
59	MP2B	Z	-10.765	3
60	MP2B	Mx	-.01	3
61	MP2C	X	33.718	3
62	MP2C	Z	-19.467	3
63	MP2C	Mx	.005	3
64	OV PB	X	90.506	1.5
65	OV PB	Z	-52.254	1.5
66	OV PB	Mx	0	1.5
67	MP3B	X	50.861	.25
68	MP3B	Z	-29.364	.25
69	MP3B	Mx	.028	.25
70	MP3B	X	50.861	5.5
71	MP3B	Z	-29.364	5.5
72	MP3B	Mx	.028	5.5
73	MP3C	X	61.286	.25
74	MP3C	Z	-35.384	.25
75	MP3C	Mx	-.009	.25
76	MP3C	X	61.286	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
77	MP3C	Z	-35.384	5.5
78	MP3C	Mx	-.009	5.5
79	MP3A	X	62.443	.25
80	MP3A	Z	-36.052	.25
81	MP3A	Mx	-.025	.25
82	MP3A	X	62.443	5.5
83	MP3A	Z	-36.052	5.5
84	MP3A	Mx	-.025	5.5
85	OVPA	X	110.301	1.5
86	OVPA	Z	-63.682	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	54.418	3
89	MP1A	Z	-31.418	3
90	MP1A	Mx	.022	3
91	MP1B	X	45.053	3
92	MP1B	Z	-26.011	3
93	MP1B	Mx	-.025	3
94	MP1C	X	63.783	3
95	MP1C	Z	-36.825	3
96	MP1C	Mx	.01	3
97	MP3A	X	52.456	3
98	MP3A	Z	-30.286	3
99	MP3A	Mx	.021	3
100	MP3B	X	41.392	3
101	MP3B	Z	-23.898	3
102	MP3B	Mx	-.023	3
103	MP3C	X	63.521	3
104	MP3C	Z	-36.674	3
105	MP3C	Mx	.009	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	37.058	2
2	MP1A	Z	0	2
3	MP1A	Mx	-.019	2
4	MP1A	X	37.058	3
5	MP1A	Z	0	3
6	MP1A	Mx	-.019	3
7	MP1B	X	90.8	2
8	MP1B	Z	0	2
9	MP1B	Mx	.012	2
10	MP1B	X	90.8	3
11	MP1B	Z	0	3
12	MP1B	Mx	.012	3
13	MP1C	X	65.858	2
14	MP1C	Z	0	2
15	MP1C	Mx	.023	2
16	MP1C	X	65.858	3
17	MP1C	Z	0	3
18	MP1C	Mx	.023	3
19	MP2A	X	107.581	.75
20	MP2A	Z	0	.75
21	MP2A	Mx	-.054	.75
22	MP2A	X	107.581	4.75
23	MP2A	Z	0	4.75
24	MP2A	Mx	-.054	4.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
25	MP2B	X	159.037	.75
26	MP2B	Z	0	.75
27	MP2B	Mx	-.09	.75
28	MP2B	X	159.037	4.75
29	MP2B	Z	0	4.75
30	MP2B	Mx	-.09	4.75
31	MP2C	X	135.156	.75
32	MP2C	Z	0	.75
33	MP2C	Mx	.104	.75
34	MP2C	X	135.156	4.75
35	MP2C	Z	0	4.75
36	MP2C	Mx	.104	4.75
37	MP2A	X	107.581	.75
38	MP2A	Z	0	.75
39	MP2A	Mx	-.054	.75
40	MP2A	X	107.581	4.75
41	MP2A	Z	0	4.75
42	MP2A	Mx	-.054	4.75
43	MP2B	X	158.473	.75
44	MP2B	Z	0	.75
45	MP2B	Mx	.11	.75
46	MP2B	X	158.473	4.75
47	MP2B	Z	0	4.75
48	MP2B	Mx	.11	4.75
49	MP2C	X	134.854	.75
50	MP2C	Z	0	.75
51	MP2C	Mx	-.008	.75
52	MP2C	X	134.854	4.75
53	MP2C	Z	0	4.75
54	MP2C	Mx	-.008	4.75
55	MP2A	X	21.53	3
56	MP2A	Z	0	3
57	MP2A	Mx	.01	3
58	MP2B	X	30.232	3
59	MP2B	Z	0	3
60	MP2B	Mx	-.011	3
61	MP2C	X	38.934	3
62	MP2C	Z	0	3
63	MP2C	Mx	-.005	3
64	OVPB	X	104.507	1.5
65	OVPB	Z	0	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	64.748	.25
68	MP3B	Z	0	.25
69	MP3B	Mx	.023	.25
70	MP3B	X	64.748	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	.023	5.5
73	MP3C	X	70.767	.25
74	MP3C	Z	0	.25
75	MP3C	Mx	.009	.25
76	MP3C	X	70.767	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	.009	5.5
79	MP3A	X	52.222	.25
80	MP3A	Z	0	.25
81	MP3A	Mx	-.025	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
82	MP3A	X	52.222	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	-.025	5.5
85	OVPA	X	127.365	1.5
86	OVPA	Z	0	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	52.023	3
89	MP1A	Z	0	3
90	MP1A	Mx	.025	3
91	MP1B	X	62.837	3
92	MP1B	Z	0	3
93	MP1B	Mx	-.022	3
94	MP1C	X	73.651	3
95	MP1C	Z	0	3
96	MP1C	Mx	-.01	3
97	MP3A	X	47.795	3
98	MP3A	Z	0	3
99	MP3A	Mx	.023	3
100	MP3B	X	60.571	3
101	MP3B	Z	0	3
102	MP3B	Mx	-.021	3
103	MP3C	X	73.347	3
104	MP3C	Z	0	3
105	MP3C	Mx	-.009	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	44.564	2
2	MP1A	Z	25.729	2
3	MP1A	Mx	-.022	2
4	MP1A	X	44.564	3
5	MP1A	Z	25.729	3
6	MP1A	Mx	-.022	3
7	MP1B	X	78.635	2
8	MP1B	Z	45.4	2
9	MP1B	Mx	-.012	2
10	MP1B	X	78.635	3
11	MP1B	Z	45.4	3
12	MP1B	Mx	-.012	3
13	MP1C	X	35.435	2
14	MP1C	Z	20.458	2
15	MP1C	Mx	.02	2
16	MP1C	X	35.435	3
17	MP1C	Z	20.458	3
18	MP1C	Mx	.02	3
19	MP2A	X	105.108	.75
20	MP2A	Z	60.684	.75
21	MP2A	Mx	-.017	.75
22	MP2A	X	105.108	4.75
23	MP2A	Z	60.684	4.75
24	MP2A	Mx	-.017	4.75
25	MP2B	X	137.73	.75
26	MP2B	Z	79.519	.75
27	MP2B	Mx	-.09	.75
28	MP2B	X	137.73	4.75
29	MP2B	Z	79.519	4.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
30	MP2B	Mx	-.09	4.75
31	MP2C	X	96.368	.75
32	MP2C	Z	55.638	.75
33	MP2C	Mx	.071	.75
34	MP2C	X	96.368	4.75
35	MP2C	Z	55.638	4.75
36	MP2C	Mx	.071	4.75
37	MP2A	X	104.978	.75
38	MP2A	Z	60.609	.75
39	MP2A	Mx	-.088	.75
40	MP2A	X	104.978	4.75
41	MP2A	Z	60.609	4.75
42	MP2A	Mx	-.088	4.75
43	MP2B	X	137.242	.75
44	MP2B	Z	79.237	.75
45	MP2B	Mx	.069	.75
46	MP2B	X	137.242	4.75
47	MP2B	Z	79.237	4.75
48	MP2B	Mx	.069	4.75
49	MP2C	X	96.332	.75
50	MP2C	Z	55.618	.75
51	MP2C	Mx	.037	.75
52	MP2C	X	96.332	4.75
53	MP2C	Z	55.618	4.75
54	MP2C	Mx	.037	4.75
55	MP2A	X	18.646	3
56	MP2A	Z	10.765	3
57	MP2A	Mx	.01	3
58	MP2B	X	33.718	3
59	MP2B	Z	19.467	3
60	MP2B	Mx	-.005	3
61	MP2C	X	26.182	3
62	MP2C	Z	15.116	3
63	MP2C	Mx	-.011	3
64	OVPB	X	109.86	1.5
65	OVPB	Z	63.428	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	61.286	.25
68	MP3B	Z	35.384	.25
69	MP3B	Mx	.009	.25
70	MP3B	X	61.286	5.5
71	MP3B	Z	35.384	5.5
72	MP3B	Mx	.009	5.5
73	MP3C	X	56.073	.25
74	MP3C	Z	32.374	.25
75	MP3C	Mx	.023	.25
76	MP3C	X	56.073	5.5
77	MP3C	Z	32.374	5.5
78	MP3C	Mx	.023	5.5
79	MP3A	X	45.225	.25
80	MP3A	Z	26.111	.25
81	MP3A	Mx	-.025	.25
82	MP3A	X	45.225	5.5
83	MP3A	Z	26.111	5.5
84	MP3A	Mx	-.025	5.5
85	OVPA	X	124.839	1.5
86	OVPA	Z	72.076	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
87	OVPA	Mx	0	1.5
88	MP1A	X	45.053	3
89	MP1A	Z	26.011	3
90	MP1A	Mx	.025	3
91	MP1B	X	63.783	3
92	MP1B	Z	36.825	3
93	MP1B	Mx	-.01	3
94	MP1C	X	54.418	3
95	MP1C	Z	31.418	3
96	MP1C	Mx	-.022	3
97	MP3A	X	41.392	3
98	MP3A	Z	23.898	3
99	MP3A	Mx	.023	3
100	MP3B	X	63.521	3
101	MP3B	Z	36.674	3
102	MP3B	Mx	-.009	3
103	MP3C	X	52.456	3
104	MP3C	Z	30.286	3
105	MP3C	Mx	-.021	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	40.129	2
2	MP1A	Z	69.506	2
3	MP1A	Mx	-.02	2
4	MP1A	X	40.129	3
5	MP1A	Z	69.506	3
6	MP1A	Mx	-.02	3
7	MP1B	X	32.929	2
8	MP1B	Z	57.035	2
9	MP1B	Mx	-.023	2
10	MP1B	X	32.929	3
11	MP1B	Z	57.035	3
12	MP1B	Mx	-.023	3
13	MP1C	X	20.458	2
14	MP1C	Z	35.435	2
15	MP1C	Mx	.02	2
16	MP1C	X	20.458	3
17	MP1C	Z	35.435	3
18	MP1C	Mx	.02	3
19	MP2A	X	74.472	.75
20	MP2A	Z	128.989	.75
21	MP2A	Mx	.038	.75
22	MP2A	X	74.472	4.75
23	MP2A	Z	128.989	4.75
24	MP2A	Mx	.038	4.75
25	MP2B	X	67.578	.75
26	MP2B	Z	117.049	.75
27	MP2B	Mx	-.056	.75
28	MP2B	X	67.578	4.75
29	MP2B	Z	117.049	4.75
30	MP2B	Mx	-.056	4.75
31	MP2C	X	55.638	.75
32	MP2C	Z	96.368	.75
33	MP2C	Mx	.037	.75
34	MP2C	X	55.638	4.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
35	MP2C	Z	96.368	4.75
36	MP2C	Mx	.037	4.75
37	MP2A	X	74.245	.75
38	MP2A	Z	128.597	.75
39	MP2A	Mx	-.112	.75
40	MP2A	X	74.245	4.75
41	MP2A	Z	128.597	4.75
42	MP2A	Mx	-.112	4.75
43	MP2B	X	67.427	.75
44	MP2B	Z	116.787	.75
45	MP2B	Mx	.008	.75
46	MP2B	X	67.427	4.75
47	MP2B	Z	116.787	4.75
48	MP2B	Mx	.008	4.75
49	MP2C	X	55.618	.75
50	MP2C	Z	96.332	.75
51	MP2C	Mx	.071	.75
52	MP2C	X	55.618	4.75
53	MP2C	Z	96.332	4.75
54	MP2C	Mx	.071	4.75
55	MP2A	X	15.116	3
56	MP2A	Z	26.182	3
57	MP2A	Mx	.011	3
58	MP2B	X	19.467	3
59	MP2B	Z	33.718	3
60	MP2B	Mx	.005	3
61	MP2C	X	10.765	3
62	MP2C	Z	18.646	3
63	MP2C	Mx	-.01	3
64	OVPB	X	74.602	1.5
65	OVPB	Z	129.215	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	35.384	.25
68	MP3B	Z	61.286	.25
69	MP3B	Mx	-.009	.25
70	MP3B	X	35.384	5.5
71	MP3B	Z	61.286	5.5
72	MP3B	Mx	-.009	5.5
73	MP3C	X	29.364	.25
74	MP3C	Z	50.861	.25
75	MP3C	Mx	.028	.25
76	MP3C	X	29.364	5.5
77	MP3C	Z	50.861	5.5
78	MP3C	Mx	.028	5.5
79	MP3A	X	36.052	.25
80	MP3A	Z	62.443	.25
81	MP3A	Mx	-.025	.25
82	MP3A	X	36.052	5.5
83	MP3A	Z	62.443	5.5
84	MP3A	Mx	-.025	5.5
85	OVPA	X	80.47	1.5
86	OVPA	Z	139.378	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	31.418	3
89	MP1A	Z	54.418	3
90	MP1A	Mx	.022	3
91	MP1B	X	36.825	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
92	MP1B	Z	63.783	3
93	MP1B	Mx	.01	3
94	MP1C	X	26.011	3
95	MP1C	Z	45.053	3
96	MP1C	Mx	-.025	3
97	MP3A	X	30.286	3
98	MP3A	Z	52.456	3
99	MP3A	Mx	.021	3
100	MP3B	X	36.674	3
101	MP3B	Z	63.521	3
102	MP3B	Mx	.009	3
103	MP3C	X	23.898	3
104	MP3C	Z	41.392	3
105	MP3C	Mx	-.023	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	0	2
2	MP1A	Z	94.658	2
3	MP1A	Mx	0	2
4	MP1A	X	0	3
5	MP1A	Z	94.658	3
6	MP1A	Mx	0	3
7	MP1B	X	0	2
8	MP1B	Z	40.917	2
9	MP1B	Mx	-.02	2
10	MP1B	X	0	3
11	MP1B	Z	40.917	3
12	MP1B	Mx	-.02	3
13	MP1C	X	0	2
14	MP1C	Z	65.858	2
15	MP1C	Mx	.023	2
16	MP1C	X	0	3
17	MP1C	Z	65.858	3
18	MP1C	Mx	.023	3
19	MP2A	X	0	.75
20	MP2A	Z	162.731	.75
21	MP2A	Mx	.095	.75
22	MP2A	X	0	4.75
23	MP2A	Z	162.731	4.75
24	MP2A	Mx	.095	4.75
25	MP2B	X	0	.75
26	MP2B	Z	111.276	.75
27	MP2B	Mx	-.017	.75
28	MP2B	X	0	4.75
29	MP2B	Z	111.276	4.75
30	MP2B	Mx	-.017	4.75
31	MP2C	X	0	.75
32	MP2C	Z	135.156	.75
33	MP2C	Mx	-.008	.75
34	MP2C	X	0	4.75
35	MP2C	Z	135.156	4.75
36	MP2C	Mx	-.008	4.75
37	MP2A	X	0	.75
38	MP2A	Z	162.127	.75
39	MP2A	Mx	-.095	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	0	4.75
41	MP2A	Z	162.127	4.75
42	MP2A	Mx	-.095	4.75
43	MP2B	X	0	.75
44	MP2B	Z	111.235	.75
45	MP2B	Mx	-.037	.75
46	MP2B	X	0	4.75
47	MP2B	Z	111.235	4.75
48	MP2B	Mx	-.037	4.75
49	MP2C	X	0	.75
50	MP2C	Z	134.854	.75
51	MP2C	Mx	.103	.75
52	MP2C	X	0	4.75
53	MP2C	Z	134.854	4.75
54	MP2C	Mx	.103	4.75
55	MP2A	X	0	3
56	MP2A	Z	38.934	3
57	MP2A	Mx	.005	3
58	MP2B	X	0	3
59	MP2B	Z	30.232	3
60	MP2B	Mx	.011	3
61	MP2C	X	0	3
62	MP2C	Z	21.53	3
63	MP2C	Mx	-.01	3
64	OVPB	X	0	1.5
65	OVPB	Z	149.204	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	0	.25
68	MP3B	Z	64.748	.25
69	MP3B	Mx	-.023	.25
70	MP3B	X	0	5.5
71	MP3B	Z	64.748	5.5
72	MP3B	Mx	-.023	5.5
73	MP3C	X	0	.25
74	MP3C	Z	58.729	.25
75	MP3C	Mx	.028	.25
76	MP3C	X	0	5.5
77	MP3C	Z	58.729	5.5
78	MP3C	Mx	.028	5.5
79	MP3A	X	0	.25
80	MP3A	Z	91.985	.25
81	MP3A	Mx	-.012	.25
82	MP3A	X	0	5.5
83	MP3A	Z	91.985	5.5
84	MP3A	Mx	-.012	5.5
85	OVPA	X	0	1.5
86	OVPA	Z	160.94	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	0	3
89	MP1A	Z	73.651	3
90	MP1A	Mx	.01	3
91	MP1B	X	0	3
92	MP1B	Z	62.837	3
93	MP1B	Mx	.022	3
94	MP1C	X	0	3
95	MP1C	Z	52.023	3
96	MP1C	Mx	-.025	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
97	MP3A	X	0	3
98	MP3A	Z	73.347	3
99	MP3A	Mx	.009	3
100	MP3B	X	0	3
101	MP3B	Z	60.571	3
102	MP3B	Mx	.021	3
103	MP3C	X	0	3
104	MP3C	Z	47.795	3
105	MP3C	Mx	-.023	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-40.129	2
2	MP1A	Z	69.506	2
3	MP1A	Mx	.02	2
4	MP1A	X	-40.129	3
5	MP1A	Z	69.506	3
6	MP1A	Mx	.02	3
7	MP1B	X	-20.458	2
8	MP1B	Z	35.435	2
9	MP1B	Mx	-.02	2
10	MP1B	X	-20.458	3
11	MP1B	Z	35.435	3
12	MP1B	Mx	-.02	3
13	MP1C	X	-45.4	2
14	MP1C	Z	78.635	2
15	MP1C	Mx	.012	2
16	MP1C	X	-45.4	3
17	MP1C	Z	78.635	3
18	MP1C	Mx	.012	3
19	MP2A	X	-74.472	.75
20	MP2A	Z	128.989	.75
21	MP2A	Mx	.112	.75
22	MP2A	X	-74.472	4.75
23	MP2A	Z	128.989	4.75
24	MP2A	Mx	.112	4.75
25	MP2B	X	-55.638	.75
26	MP2B	Z	96.368	.75
27	MP2B	Mx	.017	.75
28	MP2B	X	-55.638	4.75
29	MP2B	Z	96.368	4.75
30	MP2B	Mx	.017	4.75
31	MP2C	X	-79.519	.75
32	MP2C	Z	137.73	.75
33	MP2C	Mx	-.069	.75
34	MP2C	X	-79.519	4.75
35	MP2C	Z	137.73	4.75
36	MP2C	Mx	-.069	4.75
37	MP2A	X	-74.245	.75
38	MP2A	Z	128.597	.75
39	MP2A	Mx	-.038	.75
40	MP2A	X	-74.245	4.75
41	MP2A	Z	128.597	4.75
42	MP2A	Mx	-.038	4.75
43	MP2B	X	-55.618	.75
44	MP2B	Z	96.332	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
45	MP2B	Mx	-.071	.75
46	MP2B	X	-55.618	4.75
47	MP2B	Z	96.332	4.75
48	MP2B	Mx	-.071	4.75
49	MP2C	X	-79.237	.75
50	MP2C	Z	137.242	.75
51	MP2C	Mx	.11	.75
52	MP2C	X	-79.237	4.75
53	MP2C	Z	137.242	4.75
54	MP2C	Mx	.11	4.75
55	MP2A	X	-19.467	3
56	MP2A	Z	33.718	3
57	MP2A	Mx	-.005	3
58	MP2B	X	-10.765	3
59	MP2B	Z	18.646	3
60	MP2B	Mx	.01	3
61	MP2C	X	-15.116	3
62	MP2C	Z	26.182	3
63	MP2C	Mx	-.011	3
64	OVPB	X	-63.428	1.5
65	OVPB	Z	109.86	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	-29.364	.25
68	MP3B	Z	50.861	.25
69	MP3B	Mx	-.028	.25
70	MP3B	X	-29.364	5.5
71	MP3B	Z	50.861	5.5
72	MP3B	Mx	-.028	5.5
73	MP3C	X	-32.374	.25
74	MP3C	Z	56.073	.25
75	MP3C	Mx	.023	.25
76	MP3C	X	-32.374	5.5
77	MP3C	Z	56.073	5.5
78	MP3C	Mx	.023	5.5
79	MP3A	X	-45.993	.25
80	MP3A	Z	79.662	.25
81	MP3A	Mx	.012	.25
82	MP3A	X	-45.993	5.5
83	MP3A	Z	79.662	5.5
84	MP3A	Mx	.012	5.5
85	OVPA	X	-72.076	1.5
86	OVPA	Z	124.839	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	-36.825	3
89	MP1A	Z	63.783	3
90	MP1A	Mx	-.01	3
91	MP1B	X	-26.011	3
92	MP1B	Z	45.053	3
93	MP1B	Mx	.025	3
94	MP1C	X	-31.418	3
95	MP1C	Z	54.418	3
96	MP1C	Mx	-.022	3
97	MP3A	X	-36.674	3
98	MP3A	Z	63.521	3
99	MP3A	Mx	-.009	3
100	MP3B	X	-23.898	3
101	MP3B	Z	41.392	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP3B	Mx	.023	3
103	MP3C	X	-30.286	3
104	MP3C	Z	52.456	3
105	MP3C	Mx	-.021	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-44.564	2
2	MP1A	Z	25.729	2
3	MP1A	Mx	.022	2
4	MP1A	X	-44.564	3
5	MP1A	Z	25.729	3
6	MP1A	Mx	.022	3
7	MP1B	X	-57.035	2
8	MP1B	Z	32.929	2
9	MP1B	Mx	-.023	2
10	MP1B	X	-57.035	3
11	MP1B	Z	32.929	3
12	MP1B	Mx	-.023	3
13	MP1C	X	-78.635	2
14	MP1C	Z	45.4	2
15	MP1C	Mx	-.012	2
16	MP1C	X	-78.635	3
17	MP1C	Z	45.4	3
18	MP1C	Mx	-.012	3
19	MP2A	X	-105.108	.75
20	MP2A	Z	60.684	.75
21	MP2A	Mx	.088	.75
22	MP2A	X	-105.108	4.75
23	MP2A	Z	60.684	4.75
24	MP2A	Mx	.088	4.75
25	MP2B	X	-117.049	.75
26	MP2B	Z	67.578	.75
27	MP2B	Mx	.056	.75
28	MP2B	X	-117.049	4.75
29	MP2B	Z	67.578	4.75
30	MP2B	Mx	.056	4.75
31	MP2C	X	-137.73	.75
32	MP2C	Z	79.519	.75
33	MP2C	Mx	-.11	.75
34	MP2C	X	-137.73	4.75
35	MP2C	Z	79.519	4.75
36	MP2C	Mx	-.11	4.75
37	MP2A	X	-104.978	.75
38	MP2A	Z	60.609	.75
39	MP2A	Mx	.017	.75
40	MP2A	X	-104.978	4.75
41	MP2A	Z	60.609	4.75
42	MP2A	Mx	.017	4.75
43	MP2B	X	-116.787	.75
44	MP2B	Z	67.427	.75
45	MP2B	Mx	-.103	.75
46	MP2B	X	-116.787	4.75
47	MP2B	Z	67.427	4.75
48	MP2B	Mx	-.103	4.75
49	MP2C	X	-137.242	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP2C	Z	79.237	.75
51	MP2C	Mx	.069	.75
52	MP2C	X	-137.242	4.75
53	MP2C	Z	79.237	4.75
54	MP2C	Mx	.069	4.75
55	MP2A	X	-26.182	3
56	MP2A	Z	15.116	3
57	MP2A	Mx	-.011	3
58	MP2B	X	-18.646	3
59	MP2B	Z	10.765	3
60	MP2B	Mx	.01	3
61	MP2C	X	-33.718	3
62	MP2C	Z	19.467	3
63	MP2C	Mx	-.005	3
64	OVPB	X	-90.506	1.5
65	OVPB	Z	52.254	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	-50.861	.25
68	MP3B	Z	29.364	.25
69	MP3B	Mx	-.028	.25
70	MP3B	X	-50.861	5.5
71	MP3B	Z	29.364	5.5
72	MP3B	Mx	-.028	5.5
73	MP3C	X	-61.286	.25
74	MP3C	Z	35.384	.25
75	MP3C	Mx	.009	.25
76	MP3C	X	-61.286	5.5
77	MP3C	Z	35.384	5.5
78	MP3C	Mx	.009	5.5
79	MP3A	X	-62.443	.25
80	MP3A	Z	36.052	.25
81	MP3A	Mx	.025	.25
82	MP3A	X	-62.443	5.5
83	MP3A	Z	36.052	5.5
84	MP3A	Mx	.025	5.5
85	OVPA	X	-110.301	1.5
86	OVPA	Z	63.682	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	-54.418	3
89	MP1A	Z	31.418	3
90	MP1A	Mx	-.022	3
91	MP1B	X	-45.053	3
92	MP1B	Z	26.011	3
93	MP1B	Mx	.025	3
94	MP1C	X	-63.783	3
95	MP1C	Z	36.825	3
96	MP1C	Mx	-.01	3
97	MP3A	X	-52.456	3
98	MP3A	Z	30.286	3
99	MP3A	Mx	-.021	3
100	MP3B	X	-41.392	3
101	MP3B	Z	23.898	3
102	MP3B	Mx	.023	3
103	MP3C	X	-63.521	3
104	MP3C	Z	36.674	3
105	MP3C	Mx	-.009	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP1A	X	-37.058	2
2	MP1A	Z	0	2
3	MP1A	Mx	.019	2
4	MP1A	X	-37.058	3
5	MP1A	Z	0	3
6	MP1A	Mx	.019	3
7	MP1B	X	-90.8	2
8	MP1B	Z	0	2
9	MP1B	Mx	-.012	2
10	MP1B	X	-90.8	3
11	MP1B	Z	0	3
12	MP1B	Mx	-.012	3
13	MP1C	X	-65.858	2
14	MP1C	Z	0	2
15	MP1C	Mx	-.023	2
16	MP1C	X	-65.858	3
17	MP1C	Z	0	3
18	MP1C	Mx	-.023	3
19	MP2A	X	-107.581	.75
20	MP2A	Z	0	.75
21	MP2A	Mx	.054	.75
22	MP2A	X	-107.581	4.75
23	MP2A	Z	0	4.75
24	MP2A	Mx	.054	4.75
25	MP2B	X	-159.037	.75
26	MP2B	Z	0	.75
27	MP2B	Mx	.09	.75
28	MP2B	X	-159.037	4.75
29	MP2B	Z	0	4.75
30	MP2B	Mx	.09	4.75
31	MP2C	X	-135.156	.75
32	MP2C	Z	0	.75
33	MP2C	Mx	-.104	.75
34	MP2C	X	-135.156	4.75
35	MP2C	Z	0	4.75
36	MP2C	Mx	-.104	4.75
37	MP2A	X	-107.581	.75
38	MP2A	Z	0	.75
39	MP2A	Mx	.054	.75
40	MP2A	X	-107.581	4.75
41	MP2A	Z	0	4.75
42	MP2A	Mx	.054	4.75
43	MP2B	X	-158.473	.75
44	MP2B	Z	0	.75
45	MP2B	Mx	-.11	.75
46	MP2B	X	-158.473	4.75
47	MP2B	Z	0	4.75
48	MP2B	Mx	-.11	4.75
49	MP2C	X	-134.854	.75
50	MP2C	Z	0	.75
51	MP2C	Mx	.008	.75
52	MP2C	X	-134.854	4.75
53	MP2C	Z	0	4.75
54	MP2C	Mx	.008	4.75
55	MP2A	X	-21.53	3
56	MP2A	Z	0	3
57	MP2A	Mx	-.01	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP2B	X	-30.232	3
59	MP2B	Z	0	3
60	MP2B	Mx	.011	3
61	MP2C	X	-38.934	3
62	MP2C	Z	0	3
63	MP2C	Mx	.005	3
64	OVPB	X	-104.507	1.5
65	OVPB	Z	0	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	-64.748	.25
68	MP3B	Z	0	.25
69	MP3B	Mx	-.023	.25
70	MP3B	X	-64.748	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	-.023	5.5
73	MP3C	X	-70.767	.25
74	MP3C	Z	0	.25
75	MP3C	Mx	-.009	.25
76	MP3C	X	-70.767	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	-.009	5.5
79	MP3A	X	-52.222	.25
80	MP3A	Z	0	.25
81	MP3A	Mx	.025	.25
82	MP3A	X	-52.222	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	.025	5.5
85	OVPA	X	-127.365	1.5
86	OVPA	Z	0	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	-52.023	3
89	MP1A	Z	0	3
90	MP1A	Mx	-.025	3
91	MP1B	X	-62.837	3
92	MP1B	Z	0	3
93	MP1B	Mx	.022	3
94	MP1C	X	-73.651	3
95	MP1C	Z	0	3
96	MP1C	Mx	.01	3
97	MP3A	X	-47.795	3
98	MP3A	Z	0	3
99	MP3A	Mx	-.023	3
100	MP3B	X	-60.571	3
101	MP3B	Z	0	3
102	MP3B	Mx	.021	3
103	MP3C	X	-73.347	3
104	MP3C	Z	0	3
105	MP3C	Mx	.009	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-44.564	2
2	MP1A	Z	-25.729	2
3	MP1A	Mx	.022	2
4	MP1A	X	-44.564	3
5	MP1A	Z	-25.729	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP1A	Mx	.022	3
7	MP1B	X	-78.635	2
8	MP1B	Z	-45.4	2
9	MP1B	Mx	.012	2
10	MP1B	X	-78.635	3
11	MP1B	Z	-45.4	3
12	MP1B	Mx	.012	3
13	MP1C	X	-35.435	2
14	MP1C	Z	-20.458	2
15	MP1C	Mx	-.02	2
16	MP1C	X	-35.435	3
17	MP1C	Z	-20.458	3
18	MP1C	Mx	-.02	3
19	MP2A	X	-105.108	.75
20	MP2A	Z	-60.684	.75
21	MP2A	Mx	.017	.75
22	MP2A	X	-105.108	4.75
23	MP2A	Z	-60.684	4.75
24	MP2A	Mx	.017	4.75
25	MP2B	X	-137.73	.75
26	MP2B	Z	-79.519	.75
27	MP2B	Mx	.09	.75
28	MP2B	X	-137.73	4.75
29	MP2B	Z	-79.519	4.75
30	MP2B	Mx	.09	4.75
31	MP2C	X	-96.368	.75
32	MP2C	Z	-55.638	.75
33	MP2C	Mx	-.071	.75
34	MP2C	X	-96.368	4.75
35	MP2C	Z	-55.638	4.75
36	MP2C	Mx	-.071	4.75
37	MP2A	X	-104.978	.75
38	MP2A	Z	-60.609	.75
39	MP2A	Mx	.088	.75
40	MP2A	X	-104.978	4.75
41	MP2A	Z	-60.609	4.75
42	MP2A	Mx	.088	4.75
43	MP2B	X	-137.242	.75
44	MP2B	Z	-79.237	.75
45	MP2B	Mx	-.069	.75
46	MP2B	X	-137.242	4.75
47	MP2B	Z	-79.237	4.75
48	MP2B	Mx	-.069	4.75
49	MP2C	X	-96.332	.75
50	MP2C	Z	-55.618	.75
51	MP2C	Mx	-.037	.75
52	MP2C	X	-96.332	4.75
53	MP2C	Z	-55.618	4.75
54	MP2C	Mx	-.037	4.75
55	MP2A	X	-18.646	3
56	MP2A	Z	-10.765	3
57	MP2A	Mx	-.01	3
58	MP2B	X	-33.718	3
59	MP2B	Z	-19.467	3
60	MP2B	Mx	.005	3
61	MP2C	X	-26.182	3
62	MP2C	Z	-15.116	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	.011	3
64	OVPB	X	-109.86	1.5
65	OVPB	Z	-63.428	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	-61.286	.25
68	MP3B	Z	-35.384	.25
69	MP3B	Mx	-.009	.25
70	MP3B	X	-61.286	5.5
71	MP3B	Z	-35.384	5.5
72	MP3B	Mx	-.009	5.5
73	MP3C	X	-56.073	.25
74	MP3C	Z	-32.374	.25
75	MP3C	Mx	-.023	.25
76	MP3C	X	-56.073	5.5
77	MP3C	Z	-32.374	5.5
78	MP3C	Mx	-.023	5.5
79	MP3A	X	-45.225	.25
80	MP3A	Z	-26.111	.25
81	MP3A	Mx	.025	.25
82	MP3A	X	-45.225	5.5
83	MP3A	Z	-26.111	5.5
84	MP3A	Mx	.025	5.5
85	OVPA	X	-124.839	1.5
86	OVPA	Z	-72.076	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	-45.053	3
89	MP1A	Z	-26.011	3
90	MP1A	Mx	-.025	3
91	MP1B	X	-63.783	3
92	MP1B	Z	-36.825	3
93	MP1B	Mx	.01	3
94	MP1C	X	-54.418	3
95	MP1C	Z	-31.418	3
96	MP1C	Mx	.022	3
97	MP3A	X	-41.392	3
98	MP3A	Z	-23.898	3
99	MP3A	Mx	-.023	3
100	MP3B	X	-63.521	3
101	MP3B	Z	-36.674	3
102	MP3B	Mx	.009	3
103	MP3C	X	-52.456	3
104	MP3C	Z	-30.286	3
105	MP3C	Mx	.021	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-40.129	2
2	MP1A	Z	-69.506	2
3	MP1A	Mx	.02	2
4	MP1A	X	-40.129	3
5	MP1A	Z	-69.506	3
6	MP1A	Mx	.02	3
7	MP1B	X	-32.929	2
8	MP1B	Z	-57.035	2
9	MP1B	Mx	.023	2
10	MP1B	X	-32.929	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
11	MP1B	Z	-57.035	3
12	MP1B	Mx	.023	3
13	MP1C	X	-20.458	2
14	MP1C	Z	-35.435	2
15	MP1C	Mx	-.02	2
16	MP1C	X	-20.458	3
17	MP1C	Z	-35.435	3
18	MP1C	Mx	-.02	3
19	MP2A	X	-74.472	.75
20	MP2A	Z	-128.989	.75
21	MP2A	Mx	-.038	.75
22	MP2A	X	-74.472	4.75
23	MP2A	Z	-128.989	4.75
24	MP2A	Mx	-.038	4.75
25	MP2B	X	-67.578	.75
26	MP2B	Z	-117.049	.75
27	MP2B	Mx	.056	.75
28	MP2B	X	-67.578	4.75
29	MP2B	Z	-117.049	4.75
30	MP2B	Mx	.056	4.75
31	MP2C	X	-55.638	.75
32	MP2C	Z	-96.368	.75
33	MP2C	Mx	-.037	.75
34	MP2C	X	-55.638	4.75
35	MP2C	Z	-96.368	4.75
36	MP2C	Mx	-.037	4.75
37	MP2A	X	-74.245	.75
38	MP2A	Z	-128.597	.75
39	MP2A	Mx	.112	.75
40	MP2A	X	-74.245	4.75
41	MP2A	Z	-128.597	4.75
42	MP2A	Mx	.112	4.75
43	MP2B	X	-67.427	.75
44	MP2B	Z	-116.787	.75
45	MP2B	Mx	-.008	.75
46	MP2B	X	-67.427	4.75
47	MP2B	Z	-116.787	4.75
48	MP2B	Mx	-.008	4.75
49	MP2C	X	-55.618	.75
50	MP2C	Z	-96.332	.75
51	MP2C	Mx	-.071	.75
52	MP2C	X	-55.618	4.75
53	MP2C	Z	-96.332	4.75
54	MP2C	Mx	-.071	4.75
55	MP2A	X	-15.116	3
56	MP2A	Z	-26.182	3
57	MP2A	Mx	-.011	3
58	MP2B	X	-19.467	3
59	MP2B	Z	-33.718	3
60	MP2B	Mx	-.005	3
61	MP2C	X	-10.765	3
62	MP2C	Z	-18.646	3
63	MP2C	Mx	.01	3
64	OV PB	X	-74.602	1.5
65	OV PB	Z	-129.215	1.5
66	OV PB	Mx	0	1.5
67	MP3B	X	-35.384	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP3B	Z	-61.286	.25
69	MP3B	Mx	.009	.25
70	MP3B	X	-35.384	5.5
71	MP3B	Z	-61.286	5.5
72	MP3B	Mx	.009	5.5
73	MP3C	X	-29.364	.25
74	MP3C	Z	-50.861	.25
75	MP3C	Mx	-.028	.25
76	MP3C	X	-29.364	5.5
77	MP3C	Z	-50.861	5.5
78	MP3C	Mx	-.028	5.5
79	MP3A	X	-36.052	.25
80	MP3A	Z	-62.443	.25
81	MP3A	Mx	.025	.25
82	MP3A	X	-36.052	5.5
83	MP3A	Z	-62.443	5.5
84	MP3A	Mx	.025	5.5
85	OVPA	X	-80.47	1.5
86	OVPA	Z	-139.378	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	-31.418	3
89	MP1A	Z	-54.418	3
90	MP1A	Mx	-.022	3
91	MP1B	X	-36.825	3
92	MP1B	Z	-63.783	3
93	MP1B	Mx	-.01	3
94	MP1C	X	-26.011	3
95	MP1C	Z	-45.053	3
96	MP1C	Mx	.025	3
97	MP3A	X	-30.286	3
98	MP3A	Z	-52.456	3
99	MP3A	Mx	-.021	3
100	MP3B	X	-36.674	3
101	MP3B	Z	-63.521	3
102	MP3B	Mx	-.009	3
103	MP3C	X	-23.898	3
104	MP3C	Z	-41.392	3
105	MP3C	Mx	.023	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	2
2	MP1A	Z	-21.087	2
3	MP1A	Mx	0	2
4	MP1A	X	0	3
5	MP1A	Z	-21.087	3
6	MP1A	Mx	0	3
7	MP1B	X	0	2
8	MP1B	Z	-10.157	2
9	MP1B	Mx	.005	2
10	MP1B	X	0	3
11	MP1B	Z	-10.157	3
12	MP1B	Mx	.005	3
13	MP1C	X	0	2
14	MP1C	Z	-15.23	2
15	MP1C	Mx	-.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP1C	X	0	3
17	MP1C	Z	-15.23	3
18	MP1C	Mx	-.005	3
19	MP2A	X	0	.75
20	MP2A	Z	-35.059	.75
21	MP2A	Mx	-.02	.75
22	MP2A	X	0	4.75
23	MP2A	Z	-35.059	4.75
24	MP2A	Mx	-.02	4.75
25	MP2B	X	0	.75
26	MP2B	Z	-25.355	.75
27	MP2B	Mx	.004	.75
28	MP2B	X	0	4.75
29	MP2B	Z	-25.355	4.75
30	MP2B	Mx	.004	4.75
31	MP2C	X	0	.75
32	MP2C	Z	-29.859	.75
33	MP2C	Mx	.002	.75
34	MP2C	X	0	4.75
35	MP2C	Z	-29.859	4.75
36	MP2C	Mx	.002	4.75
37	MP2A	X	0	.75
38	MP2A	Z	-35.059	.75
39	MP2A	Mx	.02	.75
40	MP2A	X	0	4.75
41	MP2A	Z	-35.059	4.75
42	MP2A	Mx	.02	4.75
43	MP2B	X	0	.75
44	MP2B	Z	-25.355	.75
45	MP2B	Mx	.008	.75
46	MP2B	X	0	4.75
47	MP2B	Z	-25.355	4.75
48	MP2B	Mx	.008	4.75
49	MP2C	X	0	.75
50	MP2C	Z	-29.859	.75
51	MP2C	Mx	-.023	.75
52	MP2C	X	0	4.75
53	MP2C	Z	-29.859	4.75
54	MP2C	Mx	-.023	4.75
55	MP2A	X	0	3
56	MP2A	Z	-10.455	3
57	MP2A	Mx	-.001	3
58	MP2B	X	0	3
59	MP2B	Z	-8.562	3
60	MP2B	Mx	-.003	3
61	MP2C	X	0	3
62	MP2C	Z	-6.669	3
63	MP2C	Mx	.003	3
64	OVPB	X	0	1.5
65	OVPB	Z	-33.693	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	0	.25
68	MP3B	Z	-15.294	.25
69	MP3B	Mx	.005	.25
70	MP3B	X	0	5.5
71	MP3B	Z	-15.294	5.5
72	MP3B	Mx	.005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP3C	X	0	.25
74	MP3C	Z	-14.104	.25
75	MP3C	Mx	-.007	.25
76	MP3C	X	0	5.5
77	MP3C	Z	-14.104	5.5
78	MP3C	Mx	-.007	5.5
79	MP3A	X	0	.25
80	MP3A	Z	-20.603	.25
81	MP3A	Mx	.003	.25
82	MP3A	X	0	5.5
83	MP3A	Z	-20.603	5.5
84	MP3A	Mx	.003	5.5
85	OVPA	X	0	1.5
86	OVPA	Z	-36.114	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	0	3
89	MP1A	Z	-17.92	3
90	MP1A	Mx	-.002	3
91	MP1B	X	0	3
92	MP1B	Z	-15.62	3
93	MP1B	Mx	-.006	3
94	MP1C	X	0	3
95	MP1C	Z	-13.32	3
96	MP1C	Mx	.006	3
97	MP3A	X	0	3
98	MP3A	Z	-17.856	3
99	MP3A	Mx	-.002	3
100	MP3B	X	0	3
101	MP3B	Z	-15.142	3
102	MP3B	Mx	-.005	3
103	MP3C	X	0	3
104	MP3C	Z	-12.429	3
105	MP3C	Mx	.006	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.079	2
2	MP1A	Z	-15.725	2
3	MP1A	Mx	-.005	2
4	MP1A	X	9.079	3
5	MP1A	Z	-15.725	3
6	MP1A	Mx	-.005	3
7	MP1B	X	5.079	2
8	MP1B	Z	-8.797	2
9	MP1B	Mx	.005	2
10	MP1B	X	5.079	3
11	MP1B	Z	-8.797	3
12	MP1B	Mx	.005	3
13	MP1C	X	10.151	2
14	MP1C	Z	-17.582	2
15	MP1C	Mx	-.003	2
16	MP1C	X	10.151	3
17	MP1C	Z	-17.582	3
18	MP1C	Mx	-.003	3
19	MP2A	X	16.229	.75
20	MP2A	Z	-28.11	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
21	MP2A	Mx	-.025	.75
22	MP2A	X	16.229	4.75
23	MP2A	Z	-28.11	4.75
24	MP2A	Mx	-.025	4.75
25	MP2B	X	12.678	.75
26	MP2B	Z	-21.958	.75
27	MP2B	Mx	-.004	.75
28	MP2B	X	12.678	4.75
29	MP2B	Z	-21.958	4.75
30	MP2B	Mx	-.004	4.75
31	MP2C	X	17.181	.75
32	MP2C	Z	-29.758	.75
33	MP2C	Mx	.015	.75
34	MP2C	X	17.181	4.75
35	MP2C	Z	-29.758	4.75
36	MP2C	Mx	.015	4.75
37	MP2A	X	16.229	.75
38	MP2A	Z	-28.11	.75
39	MP2A	Mx	.008	.75
40	MP2A	X	16.229	4.75
41	MP2A	Z	-28.11	4.75
42	MP2A	Mx	.008	4.75
43	MP2B	X	12.678	.75
44	MP2B	Z	-21.958	.75
45	MP2B	Mx	.016	.75
46	MP2B	X	12.678	4.75
47	MP2B	Z	-21.958	4.75
48	MP2B	Mx	.016	4.75
49	MP2C	X	17.181	.75
50	MP2C	Z	-29.758	.75
51	MP2C	Mx	-.024	.75
52	MP2C	X	17.181	4.75
53	MP2C	Z	-29.758	4.75
54	MP2C	Mx	-.024	4.75
55	MP2A	X	5.228	3
56	MP2A	Z	-9.055	3
57	MP2A	Mx	.001	3
58	MP2B	X	3.335	3
59	MP2B	Z	-5.776	3
60	MP2B	Mx	-.003	3
61	MP2C	X	4.281	3
62	MP2C	Z	-7.415	3
63	MP2C	Mx	.003	3
64	OV PB	X	14.591	1.5
65	OV PB	Z	-25.273	1.5
66	OV PB	Mx	0	1.5
67	MP3B	X	7.052	.25
68	MP3B	Z	-12.214	.25
69	MP3B	Mx	.007	.25
70	MP3B	X	7.052	5.5
71	MP3B	Z	-12.214	5.5
72	MP3B	Mx	.007	5.5
73	MP3C	X	7.647	.25
74	MP3C	Z	-13.245	.25
75	MP3C	Mx	-.005	.25
76	MP3C	X	7.647	5.5
77	MP3C	Z	-13.245	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP3C	Mx	-.005	5.5
79	MP3A	X	10.302	.25
80	MP3A	Z	-17.843	.25
81	MP3A	Mx	-.003	.25
82	MP3A	X	10.302	5.5
83	MP3A	Z	-17.843	5.5
84	MP3A	Mx	-.003	5.5
85	OVPA	X	16.396	1.5
86	OVPA	Z	-28.399	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	8.96	3
89	MP1A	Z	-15.519	3
90	MP1A	Mx	.002	3
91	MP1B	X	6.66	3
92	MP1B	Z	-11.536	3
93	MP1B	Mx	-.006	3
94	MP1C	X	7.81	3
95	MP1C	Z	-13.528	3
96	MP1C	Mx	.006	3
97	MP3A	X	8.928	3
98	MP3A	Z	-15.464	3
99	MP3A	Mx	.002	3
100	MP3B	X	6.214	3
101	MP3B	Z	-10.763	3
102	MP3B	Mx	-.006	3
103	MP3C	X	7.571	3
104	MP3C	Z	-13.114	3
105	MP3C	Mx	.005	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	10.653	2
2	MP1A	Z	-6.151	2
3	MP1A	Mx	-.005	2
4	MP1A	X	10.653	3
5	MP1A	Z	-6.151	3
6	MP1A	Mx	-.005	3
7	MP1B	X	13.189	2
8	MP1B	Z	-7.615	2
9	MP1B	Mx	.005	2
10	MP1B	X	13.189	3
11	MP1B	Z	-7.615	3
12	MP1B	Mx	.005	3
13	MP1C	X	17.582	2
14	MP1C	Z	-10.151	2
15	MP1C	Mx	.003	2
16	MP1C	X	17.582	3
17	MP1C	Z	-10.151	3
18	MP1C	Mx	.003	3
19	MP2A	X	23.607	.75
20	MP2A	Z	-13.629	.75
21	MP2A	Mx	-.02	.75
22	MP2A	X	23.607	4.75
23	MP2A	Z	-13.629	4.75
24	MP2A	Mx	-.02	4.75
25	MP2B	X	25.858	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
26	MP2B	Z	-14.929	.75
27	MP2B	Mx	-.012	.75
28	MP2B	X	25.858	4.75
29	MP2B	Z	-14.929	4.75
30	MP2B	Mx	-.012	4.75
31	MP2C	X	29.758	.75
32	MP2C	Z	-17.181	.75
33	MP2C	Mx	.024	.75
34	MP2C	X	29.758	4.75
35	MP2C	Z	-17.181	4.75
36	MP2C	Mx	.024	4.75
37	MP2A	X	23.607	.75
38	MP2A	Z	-13.629	.75
39	MP2A	Mx	-.004	.75
40	MP2A	X	23.607	4.75
41	MP2A	Z	-13.629	4.75
42	MP2A	Mx	-.004	4.75
43	MP2B	X	25.858	.75
44	MP2B	Z	-14.929	.75
45	MP2B	Mx	.023	.75
46	MP2B	X	25.858	4.75
47	MP2B	Z	-14.929	4.75
48	MP2B	Mx	.023	4.75
49	MP2C	X	29.758	.75
50	MP2C	Z	-17.181	.75
51	MP2C	Mx	-.015	.75
52	MP2C	X	29.758	4.75
53	MP2C	Z	-17.181	4.75
54	MP2C	Mx	-.015	4.75
55	MP2A	X	7.415	3
56	MP2A	Z	-4.281	3
57	MP2A	Mx	.003	3
58	MP2B	X	5.776	3
59	MP2B	Z	-3.335	3
60	MP2B	Mx	-.003	3
61	MP2C	X	9.055	3
62	MP2C	Z	-5.228	3
63	MP2C	Mx	.001	3
64	OVPB	X	21.366	1.5
65	OVPB	Z	-12.336	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	12.214	.25
68	MP3B	Z	-7.052	.25
69	MP3B	Mx	.007	.25
70	MP3B	X	12.214	5.5
71	MP3B	Z	-7.052	5.5
72	MP3B	Mx	.007	5.5
73	MP3C	X	14.276	.25
74	MP3C	Z	-8.242	.25
75	MP3C	Mx	-.002	.25
76	MP3C	X	14.276	5.5
77	MP3C	Z	-8.242	5.5
78	MP3C	Mx	-.002	5.5
79	MP3A	X	14.498	.25
80	MP3A	Z	-8.371	.25
81	MP3A	Mx	-.006	.25
82	MP3A	X	14.498	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3A	Z	-8.371	5.5
84	MP3A	Mx	-.006	5.5
85	OVPA	X	25.523	1.5
86	OVPA	Z	-14.736	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	13.528	3
89	MP1A	Z	-7.81	3
90	MP1A	Mx	.006	3
91	MP1B	X	11.536	3
92	MP1B	Z	-6.66	3
93	MP1B	Mx	-.006	3
94	MP1C	X	15.519	3
95	MP1C	Z	-8.96	3
96	MP1C	Mx	.002	3
97	MP3A	X	13.114	3
98	MP3A	Z	-7.571	3
99	MP3A	Mx	.005	3
100	MP3B	X	10.763	3
101	MP3B	Z	-6.214	3
102	MP3B	Mx	-.006	3
103	MP3C	X	15.464	3
104	MP3C	Z	-8.928	3
105	MP3C	Mx	.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.373	2
2	MP1A	Z	0	2
3	MP1A	Mx	-.005	2
4	MP1A	X	9.373	3
5	MP1A	Z	0	3
6	MP1A	Mx	-.005	3
7	MP1B	X	20.302	2
8	MP1B	Z	0	2
9	MP1B	Mx	.003	2
10	MP1B	X	20.302	3
11	MP1B	Z	0	3
12	MP1B	Mx	.003	3
13	MP1C	X	15.23	2
14	MP1C	Z	0	2
15	MP1C	Mx	.005	2
16	MP1C	X	15.23	3
17	MP1C	Z	0	3
18	MP1C	Mx	.005	3
19	MP2A	X	24.658	.75
20	MP2A	Z	0	.75
21	MP2A	Mx	-.012	.75
22	MP2A	X	24.658	4.75
23	MP2A	Z	0	4.75
24	MP2A	Mx	-.012	4.75
25	MP2B	X	34.362	.75
26	MP2B	Z	0	.75
27	MP2B	Mx	-.019	.75
28	MP2B	X	34.362	4.75
29	MP2B	Z	0	4.75
30	MP2B	Mx	-.019	4.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
31	MP2C	X	29.859	.75
32	MP2C	Z	0	.75
33	MP2C	Mx	.023	.75
34	MP2C	X	29.859	4.75
35	MP2C	Z	0	4.75
36	MP2C	Mx	.023	4.75
37	MP2A	X	24.658	.75
38	MP2A	Z	0	.75
39	MP2A	Mx	-.012	.75
40	MP2A	X	24.658	4.75
41	MP2A	Z	0	4.75
42	MP2A	Mx	-.012	4.75
43	MP2B	X	34.362	.75
44	MP2B	Z	0	.75
45	MP2B	Mx	.024	.75
46	MP2B	X	34.362	4.75
47	MP2B	Z	0	4.75
48	MP2B	Mx	.024	4.75
49	MP2C	X	29.859	.75
50	MP2C	Z	0	.75
51	MP2C	Mx	-.002	.75
52	MP2C	X	29.859	4.75
53	MP2C	Z	0	4.75
54	MP2C	Mx	-.002	4.75
55	MP2A	X	6.669	3
56	MP2A	Z	0	3
57	MP2A	Mx	.003	3
58	MP2B	X	8.562	3
59	MP2B	Z	0	3
60	MP2B	Mx	-.003	3
61	MP2C	X	10.455	3
62	MP2C	Z	0	3
63	MP2C	Mx	-.001	3
64	OVPB	X	24.672	1.5
65	OVPB	Z	0	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	15.294	.25
68	MP3B	Z	0	.25
69	MP3B	Mx	.005	.25
70	MP3B	X	15.294	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	.005	5.5
73	MP3C	X	16.484	.25
74	MP3C	Z	0	.25
75	MP3C	Mx	.002	.25
76	MP3C	X	16.484	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	.002	5.5
79	MP3A	X	12.88	.25
80	MP3A	Z	0	.25
81	MP3A	Mx	-.006	.25
82	MP3A	X	12.88	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	-.006	5.5
85	OVPA	X	29.472	1.5
86	OVPA	Z	0	1.5
87	OVPA	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
88	MP1A	X	13.32	3
89	MP1A	Z	0	3
90	MP1A	Mx	.006	3
91	MP1B	X	15.62	3
92	MP1B	Z	0	3
93	MP1B	Mx	-.006	3
94	MP1C	X	17.92	3
95	MP1C	Z	0	3
96	MP1C	Mx	-.002	3
97	MP3A	X	12.429	3
98	MP3A	Z	0	3
99	MP3A	Mx	.006	3
100	MP3B	X	15.142	3
101	MP3B	Z	0	3
102	MP3B	Mx	-.005	3
103	MP3C	X	17.856	3
104	MP3C	Z	0	3
105	MP3C	Mx	-.002	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	10.653	2
2	MP1A	Z	6.151	2
3	MP1A	Mx	-.005	2
4	MP1A	X	10.653	3
5	MP1A	Z	6.151	3
6	MP1A	Mx	-.005	3
7	MP1B	X	17.582	2
8	MP1B	Z	10.151	2
9	MP1B	Mx	-.003	2
10	MP1B	X	17.582	3
11	MP1B	Z	10.151	3
12	MP1B	Mx	-.003	3
13	MP1C	X	8.797	2
14	MP1C	Z	5.079	2
15	MP1C	Mx	.005	2
16	MP1C	X	8.797	3
17	MP1C	Z	5.079	3
18	MP1C	Mx	.005	3
19	MP2A	X	23.607	.75
20	MP2A	Z	13.629	.75
21	MP2A	Mx	-.004	.75
22	MP2A	X	23.607	4.75
23	MP2A	Z	13.629	4.75
24	MP2A	Mx	-.004	4.75
25	MP2B	X	29.758	.75
26	MP2B	Z	17.181	.75
27	MP2B	Mx	-.019	.75
28	MP2B	X	29.758	4.75
29	MP2B	Z	17.181	4.75
30	MP2B	Mx	-.019	4.75
31	MP2C	X	21.958	.75
32	MP2C	Z	12.678	.75
33	MP2C	Mx	.016	.75
34	MP2C	X	21.958	4.75
35	MP2C	Z	12.678	4.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
36	MP2C	Mx	.016	4.75
37	MP2A	X	23.607	.75
38	MP2A	Z	13.629	.75
39	MP2A	Mx	-.02	.75
40	MP2A	X	23.607	4.75
41	MP2A	Z	13.629	4.75
42	MP2A	Mx	-.02	4.75
43	MP2B	X	29.758	.75
44	MP2B	Z	17.181	.75
45	MP2B	Mx	.015	.75
46	MP2B	X	29.758	4.75
47	MP2B	Z	17.181	4.75
48	MP2B	Mx	.015	4.75
49	MP2C	X	21.958	.75
50	MP2C	Z	12.678	.75
51	MP2C	Mx	.008	.75
52	MP2C	X	21.958	4.75
53	MP2C	Z	12.678	4.75
54	MP2C	Mx	.008	4.75
55	MP2A	X	5.776	3
56	MP2A	Z	3.335	3
57	MP2A	Mx	.003	3
58	MP2B	X	9.055	3
59	MP2B	Z	5.228	3
60	MP2B	Mx	-.001	3
61	MP2C	X	7.415	3
62	MP2C	Z	4.281	3
63	MP2C	Mx	-.003	3
64	OVPB	X	25.273	1.5
65	OVPB	Z	14.591	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	14.276	.25
68	MP3B	Z	8.242	.25
69	MP3B	Mx	.002	.25
70	MP3B	X	14.276	5.5
71	MP3B	Z	8.242	5.5
72	MP3B	Mx	.002	5.5
73	MP3C	X	13.245	.25
74	MP3C	Z	7.647	.25
75	MP3C	Mx	.005	.25
76	MP3C	X	13.245	5.5
77	MP3C	Z	7.647	5.5
78	MP3C	Mx	.005	5.5
79	MP3A	X	11.154	.25
80	MP3A	Z	6.44	.25
81	MP3A	Mx	-.006	.25
82	MP3A	X	11.154	5.5
83	MP3A	Z	6.44	5.5
84	MP3A	Mx	-.006	5.5
85	OVPA	X	28.399	1.5
86	OVPA	Z	16.396	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	11.536	3
89	MP1A	Z	6.66	3
90	MP1A	Mx	.006	3
91	MP1B	X	15.519	3
92	MP1B	Z	8.96	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP1B	Mx	-.002	3
94	MP1C	X	13.528	3
95	MP1C	Z	7.81	3
96	MP1C	Mx	-.006	3
97	MP3A	X	10.763	3
98	MP3A	Z	6.214	3
99	MP3A	Mx	.006	3
100	MP3B	X	15.464	3
101	MP3B	Z	8.928	3
102	MP3B	Mx	-.002	3
103	MP3C	X	13.114	3
104	MP3C	Z	7.571	3
105	MP3C	Mx	-.005	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.079	2
2	MP1A	Z	15.725	2
3	MP1A	Mx	-.005	2
4	MP1A	X	9.079	3
5	MP1A	Z	15.725	3
6	MP1A	Mx	-.005	3
7	MP1B	X	7.615	2
8	MP1B	Z	13.189	2
9	MP1B	Mx	-.005	2
10	MP1B	X	7.615	3
11	MP1B	Z	13.189	3
12	MP1B	Mx	-.005	3
13	MP1C	X	5.079	2
14	MP1C	Z	8.797	2
15	MP1C	Mx	.005	2
16	MP1C	X	5.079	3
17	MP1C	Z	8.797	3
18	MP1C	Mx	.005	3
19	MP2A	X	16.229	.75
20	MP2A	Z	28.11	.75
21	MP2A	Mx	.008	.75
22	MP2A	X	16.229	4.75
23	MP2A	Z	28.11	4.75
24	MP2A	Mx	.008	4.75
25	MP2B	X	14.929	.75
26	MP2B	Z	25.858	.75
27	MP2B	Mx	-.012	.75
28	MP2B	X	14.929	4.75
29	MP2B	Z	25.858	4.75
30	MP2B	Mx	-.012	4.75
31	MP2C	X	12.678	.75
32	MP2C	Z	21.958	.75
33	MP2C	Mx	.008	.75
34	MP2C	X	12.678	4.75
35	MP2C	Z	21.958	4.75
36	MP2C	Mx	.008	4.75
37	MP2A	X	16.229	.75
38	MP2A	Z	28.11	.75
39	MP2A	Mx	-.025	.75
40	MP2A	X	16.229	4.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
41	MP2A	Z	28.11	4.75
42	MP2A	Mx	-.025	4.75
43	MP2B	X	14.929	.75
44	MP2B	Z	25.858	.75
45	MP2B	Mx	.002	.75
46	MP2B	X	14.929	4.75
47	MP2B	Z	25.858	4.75
48	MP2B	Mx	.002	4.75
49	MP2C	X	12.678	.75
50	MP2C	Z	21.958	.75
51	MP2C	Mx	.016	.75
52	MP2C	X	12.678	4.75
53	MP2C	Z	21.958	4.75
54	MP2C	Mx	.016	4.75
55	MP2A	X	4.281	3
56	MP2A	Z	7.415	3
57	MP2A	Mx	.003	3
58	MP2B	X	5.228	3
59	MP2B	Z	9.055	3
60	MP2B	Mx	.001	3
61	MP2C	X	3.335	3
62	MP2C	Z	5.776	3
63	MP2C	Mx	-.003	3
64	OVPB	X	16.846	1.5
65	OVPB	Z	29.179	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	8.242	.25
68	MP3B	Z	14.276	.25
69	MP3B	Mx	-.002	.25
70	MP3B	X	8.242	5.5
71	MP3B	Z	14.276	5.5
72	MP3B	Mx	-.002	5.5
73	MP3C	X	7.052	.25
74	MP3C	Z	12.214	.25
75	MP3C	Mx	.007	.25
76	MP3C	X	7.052	5.5
77	MP3C	Z	12.214	5.5
78	MP3C	Mx	.007	5.5
79	MP3A	X	8.371	.25
80	MP3A	Z	14.498	.25
81	MP3A	Mx	-.006	.25
82	MP3A	X	8.371	5.5
83	MP3A	Z	14.498	5.5
84	MP3A	Mx	-.006	5.5
85	OVPA	X	18.057	1.5
86	OVPA	Z	31.275	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	7.81	3
89	MP1A	Z	13.528	3
90	MP1A	Mx	.006	3
91	MP1B	X	8.96	3
92	MP1B	Z	15.519	3
93	MP1B	Mx	.002	3
94	MP1C	X	6.66	3
95	MP1C	Z	11.536	3
96	MP1C	Mx	-.006	3
97	MP3A	X	7.571	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP3A	Z	13.114	3
99	MP3A	Mx	.005	3
100	MP3B	X	8.928	3
101	MP3B	Z	15.464	3
102	MP3B	Mx	.002	3
103	MP3C	X	6.214	3
104	MP3C	Z	10.763	3
105	MP3C	Mx	-.006	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	2
2	MP1A	Z	21.087	2
3	MP1A	Mx	0	2
4	MP1A	X	0	3
5	MP1A	Z	21.087	3
6	MP1A	Mx	0	3
7	MP1B	X	0	2
8	MP1B	Z	10.157	2
9	MP1B	Mx	-.005	2
10	MP1B	X	0	3
11	MP1B	Z	10.157	3
12	MP1B	Mx	-.005	3
13	MP1C	X	0	2
14	MP1C	Z	15.23	2
15	MP1C	Mx	.005	2
16	MP1C	X	0	3
17	MP1C	Z	15.23	3
18	MP1C	Mx	.005	3
19	MP2A	X	0	.75
20	MP2A	Z	35.059	.75
21	MP2A	Mx	.02	.75
22	MP2A	X	0	4.75
23	MP2A	Z	35.059	4.75
24	MP2A	Mx	.02	4.75
25	MP2B	X	0	.75
26	MP2B	Z	25.355	.75
27	MP2B	Mx	-.004	.75
28	MP2B	X	0	4.75
29	MP2B	Z	25.355	4.75
30	MP2B	Mx	-.004	4.75
31	MP2C	X	0	.75
32	MP2C	Z	29.859	.75
33	MP2C	Mx	-.002	.75
34	MP2C	X	0	4.75
35	MP2C	Z	29.859	4.75
36	MP2C	Mx	-.002	4.75
37	MP2A	X	0	.75
38	MP2A	Z	35.059	.75
39	MP2A	Mx	-.02	.75
40	MP2A	X	0	4.75
41	MP2A	Z	35.059	4.75
42	MP2A	Mx	-.02	4.75
43	MP2B	X	0	.75
44	MP2B	Z	25.355	.75
45	MP2B	Mx	-.008	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	X	0	4.75
47	MP2B	Z	25.355	4.75
48	MP2B	Mx	-.008	4.75
49	MP2C	X	0	.75
50	MP2C	Z	29.859	.75
51	MP2C	Mx	.023	.75
52	MP2C	X	0	4.75
53	MP2C	Z	29.859	4.75
54	MP2C	Mx	.023	4.75
55	MP2A	X	0	3
56	MP2A	Z	10.455	3
57	MP2A	Mx	.001	3
58	MP2B	X	0	3
59	MP2B	Z	8.562	3
60	MP2B	Mx	.003	3
61	MP2C	X	0	3
62	MP2C	Z	6.669	3
63	MP2C	Mx	-.003	3
64	OVPB	X	0	1.5
65	OVPB	Z	33.693	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	0	.25
68	MP3B	Z	15.294	.25
69	MP3B	Mx	-.005	.25
70	MP3B	X	0	5.5
71	MP3B	Z	15.294	5.5
72	MP3B	Mx	-.005	5.5
73	MP3C	X	0	.25
74	MP3C	Z	14.104	.25
75	MP3C	Mx	.007	.25
76	MP3C	X	0	5.5
77	MP3C	Z	14.104	5.5
78	MP3C	Mx	.007	5.5
79	MP3A	X	0	.25
80	MP3A	Z	20.603	.25
81	MP3A	Mx	-.003	.25
82	MP3A	X	0	5.5
83	MP3A	Z	20.603	5.5
84	MP3A	Mx	-.003	5.5
85	OVPA	X	0	1.5
86	OVPA	Z	36.114	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	0	3
89	MP1A	Z	17.92	3
90	MP1A	Mx	.002	3
91	MP1B	X	0	3
92	MP1B	Z	15.62	3
93	MP1B	Mx	.006	3
94	MP1C	X	0	3
95	MP1C	Z	13.32	3
96	MP1C	Mx	-.006	3
97	MP3A	X	0	3
98	MP3A	Z	17.856	3
99	MP3A	Mx	.002	3
100	MP3B	X	0	3
101	MP3B	Z	15.142	3
102	MP3B	Mx	.005	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP3C	X	0	3
104	MP3C	Z	12.429	3
105	MP3C	Mx	-.006	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.079	2
2	MP1A	Z	15.725	2
3	MP1A	Mx	.005	2
4	MP1A	X	-9.079	3
5	MP1A	Z	15.725	3
6	MP1A	Mx	.005	3
7	MP1B	X	-5.079	2
8	MP1B	Z	8.797	2
9	MP1B	Mx	-.005	2
10	MP1B	X	-5.079	3
11	MP1B	Z	8.797	3
12	MP1B	Mx	-.005	3
13	MP1C	X	-10.151	2
14	MP1C	Z	17.582	2
15	MP1C	Mx	.003	2
16	MP1C	X	-10.151	3
17	MP1C	Z	17.582	3
18	MP1C	Mx	.003	3
19	MP2A	X	-16.229	.75
20	MP2A	Z	28.11	.75
21	MP2A	Mx	.025	.75
22	MP2A	X	-16.229	4.75
23	MP2A	Z	28.11	4.75
24	MP2A	Mx	.025	4.75
25	MP2B	X	-12.678	.75
26	MP2B	Z	21.958	.75
27	MP2B	Mx	.004	.75
28	MP2B	X	-12.678	4.75
29	MP2B	Z	21.958	4.75
30	MP2B	Mx	.004	4.75
31	MP2C	X	-17.181	.75
32	MP2C	Z	29.758	.75
33	MP2C	Mx	-.015	.75
34	MP2C	X	-17.181	4.75
35	MP2C	Z	29.758	4.75
36	MP2C	Mx	-.015	4.75
37	MP2A	X	-16.229	.75
38	MP2A	Z	28.11	.75
39	MP2A	Mx	-.008	.75
40	MP2A	X	-16.229	4.75
41	MP2A	Z	28.11	4.75
42	MP2A	Mx	-.008	4.75
43	MP2B	X	-12.678	.75
44	MP2B	Z	21.958	.75
45	MP2B	Mx	-.016	.75
46	MP2B	X	-12.678	4.75
47	MP2B	Z	21.958	4.75
48	MP2B	Mx	-.016	4.75
49	MP2C	X	-17.181	.75
50	MP2C	Z	29.758	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
51	MP2C	Mx	.024	.75
52	MP2C	X	-17.181	4.75
53	MP2C	Z	29.758	4.75
54	MP2C	Mx	.024	4.75
55	MP2A	X	-5.228	3
56	MP2A	Z	9.055	3
57	MP2A	Mx	-.001	3
58	MP2B	X	-3.335	3
59	MP2B	Z	5.776	3
60	MP2B	Mx	.003	3
61	MP2C	X	-4.281	3
62	MP2C	Z	7.415	3
63	MP2C	Mx	-.003	3
64	OVPB	X	-14.591	1.5
65	OVPB	Z	25.273	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	-7.052	.25
68	MP3B	Z	12.214	.25
69	MP3B	Mx	-.007	.25
70	MP3B	X	-7.052	5.5
71	MP3B	Z	12.214	5.5
72	MP3B	Mx	-.007	5.5
73	MP3C	X	-7.647	.25
74	MP3C	Z	13.245	.25
75	MP3C	Mx	.005	.25
76	MP3C	X	-7.647	5.5
77	MP3C	Z	13.245	5.5
78	MP3C	Mx	.005	5.5
79	MP3A	X	-10.302	.25
80	MP3A	Z	17.843	.25
81	MP3A	Mx	.003	.25
82	MP3A	X	-10.302	5.5
83	MP3A	Z	17.843	5.5
84	MP3A	Mx	.003	5.5
85	OVPA	X	-16.396	1.5
86	OVPA	Z	28.399	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	-8.96	3
89	MP1A	Z	15.519	3
90	MP1A	Mx	-.002	3
91	MP1B	X	-6.66	3
92	MP1B	Z	11.536	3
93	MP1B	Mx	.006	3
94	MP1C	X	-7.81	3
95	MP1C	Z	13.528	3
96	MP1C	Mx	-.006	3
97	MP3A	X	-8.928	3
98	MP3A	Z	15.464	3
99	MP3A	Mx	-.002	3
100	MP3B	X	-6.214	3
101	MP3B	Z	10.763	3
102	MP3B	Mx	.006	3
103	MP3C	X	-7.571	3
104	MP3C	Z	13.114	3
105	MP3C	Mx	-.005	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-10.653	2
2	MP1A	Z	6.151	2
3	MP1A	Mx	.005	2
4	MP1A	X	-10.653	3
5	MP1A	Z	6.151	3
6	MP1A	Mx	.005	3
7	MP1B	X	-13.189	2
8	MP1B	Z	7.615	2
9	MP1B	Mx	-.005	2
10	MP1B	X	-13.189	3
11	MP1B	Z	7.615	3
12	MP1B	Mx	-.005	3
13	MP1C	X	-17.582	2
14	MP1C	Z	10.151	2
15	MP1C	Mx	-.003	2
16	MP1C	X	-17.582	3
17	MP1C	Z	10.151	3
18	MP1C	Mx	-.003	3
19	MP2A	X	-23.607	.75
20	MP2A	Z	13.629	.75
21	MP2A	Mx	.02	.75
22	MP2A	X	-23.607	4.75
23	MP2A	Z	13.629	4.75
24	MP2A	Mx	.02	4.75
25	MP2B	X	-25.858	.75
26	MP2B	Z	14.929	.75
27	MP2B	Mx	.012	.75
28	MP2B	X	-25.858	4.75
29	MP2B	Z	14.929	4.75
30	MP2B	Mx	.012	4.75
31	MP2C	X	-29.758	.75
32	MP2C	Z	17.181	.75
33	MP2C	Mx	-.024	.75
34	MP2C	X	-29.758	4.75
35	MP2C	Z	17.181	4.75
36	MP2C	Mx	-.024	4.75
37	MP2A	X	-23.607	.75
38	MP2A	Z	13.629	.75
39	MP2A	Mx	.004	.75
40	MP2A	X	-23.607	4.75
41	MP2A	Z	13.629	4.75
42	MP2A	Mx	.004	4.75
43	MP2B	X	-25.858	.75
44	MP2B	Z	14.929	.75
45	MP2B	Mx	-.023	.75
46	MP2B	X	-25.858	4.75
47	MP2B	Z	14.929	4.75
48	MP2B	Mx	-.023	4.75
49	MP2C	X	-29.758	.75
50	MP2C	Z	17.181	.75
51	MP2C	Mx	.015	.75
52	MP2C	X	-29.758	4.75
53	MP2C	Z	17.181	4.75
54	MP2C	Mx	.015	4.75
55	MP2A	X	-7.415	3
56	MP2A	Z	4.281	3
57	MP2A	Mx	-.003	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP2B	X	-5.776	3
59	MP2B	Z	3.335	3
60	MP2B	Mx	.003	3
61	MP2C	X	-9.055	3
62	MP2C	Z	5.228	3
63	MP2C	Mx	-.001	3
64	OVPB	X	-21.366	1.5
65	OVPB	Z	12.336	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	-12.214	.25
68	MP3B	Z	7.052	.25
69	MP3B	Mx	-.007	.25
70	MP3B	X	-12.214	5.5
71	MP3B	Z	7.052	5.5
72	MP3B	Mx	-.007	5.5
73	MP3C	X	-14.276	.25
74	MP3C	Z	8.242	.25
75	MP3C	Mx	.002	.25
76	MP3C	X	-14.276	5.5
77	MP3C	Z	8.242	5.5
78	MP3C	Mx	.002	5.5
79	MP3A	X	-14.498	.25
80	MP3A	Z	8.371	.25
81	MP3A	Mx	.006	.25
82	MP3A	X	-14.498	5.5
83	MP3A	Z	8.371	5.5
84	MP3A	Mx	.006	5.5
85	OVPA	X	-25.523	1.5
86	OVPA	Z	14.736	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	-13.528	3
89	MP1A	Z	7.81	3
90	MP1A	Mx	-.006	3
91	MP1B	X	-11.536	3
92	MP1B	Z	6.66	3
93	MP1B	Mx	.006	3
94	MP1C	X	-15.519	3
95	MP1C	Z	8.96	3
96	MP1C	Mx	-.002	3
97	MP3A	X	-13.114	3
98	MP3A	Z	7.571	3
99	MP3A	Mx	-.005	3
100	MP3B	X	-10.763	3
101	MP3B	Z	6.214	3
102	MP3B	Mx	.006	3
103	MP3C	X	-15.464	3
104	MP3C	Z	8.928	3
105	MP3C	Mx	-.002	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-9.373	2
2	MP1A	Z	0	2
3	MP1A	Mx	.005	2
4	MP1A	X	-9.373	3
5	MP1A	Z	0	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP1A	Mx	.005	3
7	MP1B	X	-20.302	2
8	MP1B	Z	0	2
9	MP1B	Mx	-.003	2
10	MP1B	X	-20.302	3
11	MP1B	Z	0	3
12	MP1B	Mx	-.003	3
13	MP1C	X	-15.23	2
14	MP1C	Z	0	2
15	MP1C	Mx	-.005	2
16	MP1C	X	-15.23	3
17	MP1C	Z	0	3
18	MP1C	Mx	-.005	3
19	MP2A	X	-24.658	.75
20	MP2A	Z	0	.75
21	MP2A	Mx	.012	.75
22	MP2A	X	-24.658	4.75
23	MP2A	Z	0	4.75
24	MP2A	Mx	.012	4.75
25	MP2B	X	-34.362	.75
26	MP2B	Z	0	.75
27	MP2B	Mx	.019	.75
28	MP2B	X	-34.362	4.75
29	MP2B	Z	0	4.75
30	MP2B	Mx	.019	4.75
31	MP2C	X	-29.859	.75
32	MP2C	Z	0	.75
33	MP2C	Mx	-.023	.75
34	MP2C	X	-29.859	4.75
35	MP2C	Z	0	4.75
36	MP2C	Mx	-.023	4.75
37	MP2A	X	-24.658	.75
38	MP2A	Z	0	.75
39	MP2A	Mx	.012	.75
40	MP2A	X	-24.658	4.75
41	MP2A	Z	0	4.75
42	MP2A	Mx	.012	4.75
43	MP2B	X	-34.362	.75
44	MP2B	Z	0	.75
45	MP2B	Mx	-.024	.75
46	MP2B	X	-34.362	4.75
47	MP2B	Z	0	4.75
48	MP2B	Mx	-.024	4.75
49	MP2C	X	-29.859	.75
50	MP2C	Z	0	.75
51	MP2C	Mx	.002	.75
52	MP2C	X	-29.859	4.75
53	MP2C	Z	0	4.75
54	MP2C	Mx	.002	4.75
55	MP2A	X	-6.669	3
56	MP2A	Z	0	3
57	MP2A	Mx	-.003	3
58	MP2B	X	-8.562	3
59	MP2B	Z	0	3
60	MP2B	Mx	.003	3
61	MP2C	X	-10.455	3
62	MP2C	Z	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	.001	3
64	OVPB	X	-24.672	1.5
65	OVPB	Z	0	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	-15.294	.25
68	MP3B	Z	0	.25
69	MP3B	Mx	-.005	.25
70	MP3B	X	-15.294	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	-.005	5.5
73	MP3C	X	-16.484	.25
74	MP3C	Z	0	.25
75	MP3C	Mx	-.002	.25
76	MP3C	X	-16.484	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	-.002	5.5
79	MP3A	X	-12.88	.25
80	MP3A	Z	0	.25
81	MP3A	Mx	.006	.25
82	MP3A	X	-12.88	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	.006	5.5
85	OVPA	X	-29.472	1.5
86	OVPA	Z	0	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	-13.32	3
89	MP1A	Z	0	3
90	MP1A	Mx	-.006	3
91	MP1B	X	-15.62	3
92	MP1B	Z	0	3
93	MP1B	Mx	.006	3
94	MP1C	X	-17.92	3
95	MP1C	Z	0	3
96	MP1C	Mx	.002	3
97	MP3A	X	-12.429	3
98	MP3A	Z	0	3
99	MP3A	Mx	-.006	3
100	MP3B	X	-15.142	3
101	MP3B	Z	0	3
102	MP3B	Mx	.005	3
103	MP3C	X	-17.856	3
104	MP3C	Z	0	3
105	MP3C	Mx	.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-10.653	2
2	MP1A	Z	-6.151	2
3	MP1A	Mx	.005	2
4	MP1A	X	-10.653	3
5	MP1A	Z	-6.151	3
6	MP1A	Mx	.005	3
7	MP1B	X	-17.582	2
8	MP1B	Z	-10.151	2
9	MP1B	Mx	.003	2
10	MP1B	X	-17.582	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
11	MP1B	Z	-10.151	3
12	MP1B	Mx	.003	3
13	MP1C	X	-8.797	2
14	MP1C	Z	-5.079	2
15	MP1C	Mx	-.005	2
16	MP1C	X	-8.797	3
17	MP1C	Z	-5.079	3
18	MP1C	Mx	-.005	3
19	MP2A	X	-23.607	.75
20	MP2A	Z	-13.629	.75
21	MP2A	Mx	.004	.75
22	MP2A	X	-23.607	4.75
23	MP2A	Z	-13.629	4.75
24	MP2A	Mx	.004	4.75
25	MP2B	X	-29.758	.75
26	MP2B	Z	-17.181	.75
27	MP2B	Mx	.019	.75
28	MP2B	X	-29.758	4.75
29	MP2B	Z	-17.181	4.75
30	MP2B	Mx	.019	4.75
31	MP2C	X	-21.958	.75
32	MP2C	Z	-12.678	.75
33	MP2C	Mx	-.016	.75
34	MP2C	X	-21.958	4.75
35	MP2C	Z	-12.678	4.75
36	MP2C	Mx	-.016	4.75
37	MP2A	X	-23.607	.75
38	MP2A	Z	-13.629	.75
39	MP2A	Mx	.02	.75
40	MP2A	X	-23.607	4.75
41	MP2A	Z	-13.629	4.75
42	MP2A	Mx	.02	4.75
43	MP2B	X	-29.758	.75
44	MP2B	Z	-17.181	.75
45	MP2B	Mx	-.015	.75
46	MP2B	X	-29.758	4.75
47	MP2B	Z	-17.181	4.75
48	MP2B	Mx	-.015	4.75
49	MP2C	X	-21.958	.75
50	MP2C	Z	-12.678	.75
51	MP2C	Mx	-.008	.75
52	MP2C	X	-21.958	4.75
53	MP2C	Z	-12.678	4.75
54	MP2C	Mx	-.008	4.75
55	MP2A	X	-5.776	3
56	MP2A	Z	-3.335	3
57	MP2A	Mx	-.003	3
58	MP2B	X	-9.055	3
59	MP2B	Z	-5.228	3
60	MP2B	Mx	.001	3
61	MP2C	X	-7.415	3
62	MP2C	Z	-4.281	3
63	MP2C	Mx	.003	3
64	OV PB	X	-25.273	1.5
65	OV PB	Z	-14.591	1.5
66	OV PB	Mx	0	1.5
67	MP3B	X	-14.276	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP3B	Z	-8.242	.25
69	MP3B	Mx	-.002	.25
70	MP3B	X	-14.276	5.5
71	MP3B	Z	-8.242	5.5
72	MP3B	Mx	-.002	5.5
73	MP3C	X	-13.245	.25
74	MP3C	Z	-7.647	.25
75	MP3C	Mx	-.005	.25
76	MP3C	X	-13.245	5.5
77	MP3C	Z	-7.647	5.5
78	MP3C	Mx	-.005	5.5
79	MP3A	X	-11.154	.25
80	MP3A	Z	-6.44	.25
81	MP3A	Mx	.006	.25
82	MP3A	X	-11.154	5.5
83	MP3A	Z	-6.44	5.5
84	MP3A	Mx	.006	5.5
85	OVPA	X	-28.399	1.5
86	OVPA	Z	-16.396	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	-11.536	3
89	MP1A	Z	-6.66	3
90	MP1A	Mx	-.006	3
91	MP1B	X	-15.519	3
92	MP1B	Z	-8.96	3
93	MP1B	Mx	.002	3
94	MP1C	X	-13.528	3
95	MP1C	Z	-7.81	3
96	MP1C	Mx	.006	3
97	MP3A	X	-10.763	3
98	MP3A	Z	-6.214	3
99	MP3A	Mx	-.006	3
100	MP3B	X	-15.464	3
101	MP3B	Z	-8.928	3
102	MP3B	Mx	.002	3
103	MP3C	X	-13.114	3
104	MP3C	Z	-7.571	3
105	MP3C	Mx	.005	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.079	2
2	MP1A	Z	-15.725	2
3	MP1A	Mx	.005	2
4	MP1A	X	-9.079	3
5	MP1A	Z	-15.725	3
6	MP1A	Mx	.005	3
7	MP1B	X	-7.615	2
8	MP1B	Z	-13.189	2
9	MP1B	Mx	.005	2
10	MP1B	X	-7.615	3
11	MP1B	Z	-13.189	3
12	MP1B	Mx	.005	3
13	MP1C	X	-5.079	2
14	MP1C	Z	-8.797	2
15	MP1C	Mx	-.005	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
16	MP1C	X	-5.079	3
17	MP1C	Z	-8.797	3
18	MP1C	Mx	-.005	3
19	MP2A	X	-16.229	.75
20	MP2A	Z	-28.11	.75
21	MP2A	Mx	-.008	.75
22	MP2A	X	-16.229	4.75
23	MP2A	Z	-28.11	4.75
24	MP2A	Mx	-.008	4.75
25	MP2B	X	-14.929	.75
26	MP2B	Z	-25.858	.75
27	MP2B	Mx	.012	.75
28	MP2B	X	-14.929	4.75
29	MP2B	Z	-25.858	4.75
30	MP2B	Mx	.012	4.75
31	MP2C	X	-12.678	.75
32	MP2C	Z	-21.958	.75
33	MP2C	Mx	-.008	.75
34	MP2C	X	-12.678	4.75
35	MP2C	Z	-21.958	4.75
36	MP2C	Mx	-.008	4.75
37	MP2A	X	-16.229	.75
38	MP2A	Z	-28.11	.75
39	MP2A	Mx	.025	.75
40	MP2A	X	-16.229	4.75
41	MP2A	Z	-28.11	4.75
42	MP2A	Mx	.025	4.75
43	MP2B	X	-14.929	.75
44	MP2B	Z	-25.858	.75
45	MP2B	Mx	-.002	.75
46	MP2B	X	-14.929	4.75
47	MP2B	Z	-25.858	4.75
48	MP2B	Mx	-.002	4.75
49	MP2C	X	-12.678	.75
50	MP2C	Z	-21.958	.75
51	MP2C	Mx	-.016	.75
52	MP2C	X	-12.678	4.75
53	MP2C	Z	-21.958	4.75
54	MP2C	Mx	-.016	4.75
55	MP2A	X	-4.281	3
56	MP2A	Z	-7.415	3
57	MP2A	Mx	-.003	3
58	MP2B	X	-5.228	3
59	MP2B	Z	-9.055	3
60	MP2B	Mx	-.001	3
61	MP2C	X	-3.335	3
62	MP2C	Z	-5.776	3
63	MP2C	Mx	.003	3
64	OVPB	X	-16.846	1.5
65	OVPB	Z	-29.179	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	-8.242	.25
68	MP3B	Z	-14.276	.25
69	MP3B	Mx	.002	.25
70	MP3B	X	-8.242	5.5
71	MP3B	Z	-14.276	5.5
72	MP3B	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP3C	X	-7.052	.25
74	MP3C	Z	-12.214	.25
75	MP3C	Mx	-.007	.25
76	MP3C	X	-7.052	5.5
77	MP3C	Z	-12.214	5.5
78	MP3C	Mx	-.007	5.5
79	MP3A	X	-8.371	.25
80	MP3A	Z	-14.498	.25
81	MP3A	Mx	.006	.25
82	MP3A	X	-8.371	5.5
83	MP3A	Z	-14.498	5.5
84	MP3A	Mx	.006	5.5
85	OVPA	X	-18.057	1.5
86	OVPA	Z	-31.275	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	-7.81	3
89	MP1A	Z	-13.528	3
90	MP1A	Mx	-.006	3
91	MP1B	X	-8.96	3
92	MP1B	Z	-15.519	3
93	MP1B	Mx	-.002	3
94	MP1C	X	-6.66	3
95	MP1C	Z	-11.536	3
96	MP1C	Mx	.006	3
97	MP3A	X	-7.571	3
98	MP3A	Z	-13.114	3
99	MP3A	Mx	-.005	3
100	MP3B	X	-8.928	3
101	MP3B	Z	-15.464	3
102	MP3B	Mx	-.002	3
103	MP3C	X	-6.214	3
104	MP3C	Z	-10.763	3
105	MP3C	Mx	.006	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	2
2	MP1A	Z	-6.331	2
3	MP1A	Mx	0	2
4	MP1A	X	0	3
5	MP1A	Z	-6.331	3
6	MP1A	Mx	0	3
7	MP1B	X	0	2
8	MP1B	Z	-2.737	2
9	MP1B	Mx	.001	2
10	MP1B	X	0	3
11	MP1B	Z	-2.737	3
12	MP1B	Mx	.001	3
13	MP1C	X	0	2
14	MP1C	Z	-4.405	2
15	MP1C	Mx	-.002	2
16	MP1C	X	0	3
17	MP1C	Z	-4.405	3
18	MP1C	Mx	-.002	3
19	MP2A	X	0	.75
20	MP2A	Z	-10.884	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2A	Mx	-.006	.75
22	MP2A	X	0	4.75
23	MP2A	Z	-10.884	4.75
24	MP2A	Mx	-.006	4.75
25	MP2B	X	0	.75
26	MP2B	Z	-7.443	.75
27	MP2B	Mx	.001	.75
28	MP2B	X	0	4.75
29	MP2B	Z	-7.443	4.75
30	MP2B	Mx	.001	4.75
31	MP2C	X	0	.75
32	MP2C	Z	-9.04	.75
33	MP2C	Mx	.000533	.75
34	MP2C	X	0	4.75
35	MP2C	Z	-9.04	4.75
36	MP2C	Mx	.000533	4.75
37	MP2A	X	0	.75
38	MP2A	Z	-10.844	.75
39	MP2A	Mx	.006	.75
40	MP2A	X	0	4.75
41	MP2A	Z	-10.844	4.75
42	MP2A	Mx	.006	4.75
43	MP2B	X	0	.75
44	MP2B	Z	-7.44	.75
45	MP2B	Mx	.002	.75
46	MP2B	X	0	4.75
47	MP2B	Z	-7.44	4.75
48	MP2B	Mx	.002	4.75
49	MP2C	X	0	.75
50	MP2C	Z	-9.02	.75
51	MP2C	Mx	-.007	.75
52	MP2C	X	0	4.75
53	MP2C	Z	-9.02	4.75
54	MP2C	Mx	-.007	4.75
55	MP2A	X	0	3
56	MP2A	Z	-2.604	3
57	MP2A	Mx	-.000337	3
58	MP2B	X	0	3
59	MP2B	Z	-2.022	3
60	MP2B	Mx	-.000715	3
61	MP2C	X	0	3
62	MP2C	Z	-1.44	3
63	MP2C	Mx	.000695	3
64	OVPB	X	0	1.5
65	OVPB	Z	-9.979	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	0	.25
68	MP3B	Z	-4.331	.25
69	MP3B	Mx	.002	.25
70	MP3B	X	0	5.5
71	MP3B	Z	-4.331	5.5
72	MP3B	Mx	.002	5.5
73	MP3C	X	0	.25
74	MP3C	Z	-3.928	.25
75	MP3C	Mx	-.002	.25
76	MP3C	X	0	5.5
77	MP3C	Z	-3.928	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP3C	Mx	-.002	5.5
79	MP3A	X	0	.25
80	MP3A	Z	-6.152	.25
81	MP3A	Mx	.000796	.25
82	MP3A	X	0	5.5
83	MP3A	Z	-6.152	5.5
84	MP3A	Mx	.000796	5.5
85	OVPA	X	0	1.5
86	OVPA	Z	-10.764	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	0	3
89	MP1A	Z	-4.926	3
90	MP1A	Mx	-.000637	3
91	MP1B	X	0	3
92	MP1B	Z	-4.203	3
93	MP1B	Mx	-.001	3
94	MP1C	X	0	3
95	MP1C	Z	-3.48	3
96	MP1C	Mx	.002	3
97	MP3A	X	0	3
98	MP3A	Z	-4.906	3
99	MP3A	Mx	-.000635	3
100	MP3B	X	0	3
101	MP3B	Z	-4.051	3
102	MP3B	Mx	-.001	3
103	MP3C	X	0	3
104	MP3C	Z	-3.197	3
105	MP3C	Mx	.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.684	2
2	MP1A	Z	-4.649	2
3	MP1A	Mx	-.001	2
4	MP1A	X	2.684	3
5	MP1A	Z	-4.649	3
6	MP1A	Mx	-.001	3
7	MP1B	X	1.368	2
8	MP1B	Z	-2.37	2
9	MP1B	Mx	.001	2
10	MP1B	X	1.368	3
11	MP1B	Z	-2.37	3
12	MP1B	Mx	.001	3
13	MP1C	X	3.037	2
14	MP1C	Z	-5.259	2
15	MP1C	Mx	-.000786	2
16	MP1C	X	3.037	3
17	MP1C	Z	-5.259	3
18	MP1C	Mx	-.000786	3
19	MP2A	X	4.981	.75
20	MP2A	Z	-8.627	.75
21	MP2A	Mx	-.008	.75
22	MP2A	X	4.981	4.75
23	MP2A	Z	-8.627	4.75
24	MP2A	Mx	-.008	4.75
25	MP2B	X	3.721	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
26	MP2B	Z	-6.446	.75
27	MP2B	Mx	-.001	.75
28	MP2B	X	3.721	4.75
29	MP2B	Z	-6.446	4.75
30	MP2B	Mx	-.001	4.75
31	MP2C	X	5.319	.75
32	MP2C	Z	-9.212	.75
33	MP2C	Mx	.005	.75
34	MP2C	X	5.319	4.75
35	MP2C	Z	-9.212	4.75
36	MP2C	Mx	.005	4.75
37	MP2A	X	4.966	.75
38	MP2A	Z	-8.601	.75
39	MP2A	Mx	.003	.75
40	MP2A	X	4.966	4.75
41	MP2A	Z	-8.601	4.75
42	MP2A	Mx	.003	4.75
43	MP2B	X	3.72	.75
44	MP2B	Z	-6.443	.75
45	MP2B	Mx	.005	.75
46	MP2B	X	3.72	4.75
47	MP2B	Z	-6.443	4.75
48	MP2B	Mx	.005	4.75
49	MP2C	X	5.3	.75
50	MP2C	Z	-9.179	.75
51	MP2C	Mx	-.007	.75
52	MP2C	X	5.3	4.75
53	MP2C	Z	-9.179	4.75
54	MP2C	Mx	-.007	4.75
55	MP2A	X	1.302	3
56	MP2A	Z	-2.255	3
57	MP2A	Mx	.000337	3
58	MP2B	X	.72	3
59	MP2B	Z	-1.247	3
60	MP2B	Mx	-.000695	3
61	MP2C	X	1.011	3
62	MP2C	Z	-1.751	3
63	MP2C	Mx	.000715	3
64	OVPB	X	4.242	1.5
65	OVPB	Z	-7.348	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	1.964	.25
68	MP3B	Z	-3.402	.25
69	MP3B	Mx	.002	.25
70	MP3B	X	1.964	5.5
71	MP3B	Z	-3.402	5.5
72	MP3B	Mx	.002	5.5
73	MP3C	X	2.165	.25
74	MP3C	Z	-3.75	.25
75	MP3C	Mx	-.002	.25
76	MP3C	X	2.165	5.5
77	MP3C	Z	-3.75	5.5
78	MP3C	Mx	-.002	5.5
79	MP3A	X	3.076	.25
80	MP3A	Z	-5.328	.25
81	MP3A	Mx	-.000796	.25
82	MP3A	X	3.076	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3A	Z	-5.328	5.5
84	MP3A	Mx	-.000796	5.5
85	OVPA	X	4.821	1.5
86	OVPA	Z	-8.35	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	2.463	3
89	MP1A	Z	-4.266	3
90	MP1A	Mx	.000637	3
91	MP1B	X	1.74	3
92	MP1B	Z	-3.013	3
93	MP1B	Mx	-.002	3
94	MP1C	X	2.101	3
95	MP1C	Z	-3.64	3
96	MP1C	Mx	.001	3
97	MP3A	X	2.453	3
98	MP3A	Z	-4.249	3
99	MP3A	Mx	.000635	3
100	MP3B	X	1.598	3
101	MP3B	Z	-2.768	3
102	MP3B	Mx	-.002	3
103	MP3C	X	2.026	3
104	MP3C	Z	-3.509	3
105	MP3C	Mx	.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.981	2
2	MP1A	Z	-1.721	2
3	MP1A	Mx	-.001	2
4	MP1A	X	2.981	3
5	MP1A	Z	-1.721	3
6	MP1A	Mx	-.001	3
7	MP1B	X	3.815	2
8	MP1B	Z	-2.202	2
9	MP1B	Mx	.002	2
10	MP1B	X	3.815	3
11	MP1B	Z	-2.202	3
12	MP1B	Mx	.002	3
13	MP1C	X	5.259	2
14	MP1C	Z	-3.037	2
15	MP1C	Mx	.000786	2
16	MP1C	X	5.259	3
17	MP1C	Z	-3.037	3
18	MP1C	Mx	.000786	3
19	MP2A	X	7.03	.75
20	MP2A	Z	-4.059	.75
21	MP2A	Mx	-.006	.75
22	MP2A	X	7.03	4.75
23	MP2A	Z	-4.059	4.75
24	MP2A	Mx	-.006	4.75
25	MP2B	X	7.829	.75
26	MP2B	Z	-4.52	.75
27	MP2B	Mx	-.004	.75
28	MP2B	X	7.829	4.75
29	MP2B	Z	-4.52	4.75
30	MP2B	Mx	-.004	4.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
31	MP2C	X	9.212	.75
32	MP2C	Z	-5.319	.75
33	MP2C	Mx	.007	.75
34	MP2C	X	9.212	4.75
35	MP2C	Z	-5.319	4.75
36	MP2C	Mx	.007	4.75
37	MP2A	X	7.021	.75
38	MP2A	Z	-4.054	.75
39	MP2A	Mx	-.001	.75
40	MP2A	X	7.021	4.75
41	MP2A	Z	-4.054	4.75
42	MP2A	Mx	-.001	4.75
43	MP2B	X	7.811	.75
44	MP2B	Z	-4.51	.75
45	MP2B	Mx	.007	.75
46	MP2B	X	7.811	4.75
47	MP2B	Z	-4.51	4.75
48	MP2B	Mx	.007	4.75
49	MP2C	X	9.179	.75
50	MP2C	Z	-5.3	.75
51	MP2C	Mx	-.005	.75
52	MP2C	X	9.179	4.75
53	MP2C	Z	-5.3	4.75
54	MP2C	Mx	-.005	4.75
55	MP2A	X	1.751	3
56	MP2A	Z	-1.011	3
57	MP2A	Mx	.000715	3
58	MP2B	X	1.247	3
59	MP2B	Z	-.72	3
60	MP2B	Mx	-.000695	3
61	MP2C	X	2.255	3
62	MP2C	Z	-1.302	3
63	MP2C	Mx	.000337	3
64	OVPB	X	6.053	1.5
65	OVPB	Z	-3.495	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	3.402	.25
68	MP3B	Z	-1.964	.25
69	MP3B	Mx	.002	.25
70	MP3B	X	3.402	5.5
71	MP3B	Z	-1.964	5.5
72	MP3B	Mx	.002	5.5
73	MP3C	X	4.099	.25
74	MP3C	Z	-2.367	.25
75	MP3C	Mx	-.000613	.25
76	MP3C	X	4.099	5.5
77	MP3C	Z	-2.367	5.5
78	MP3C	Mx	-.000613	5.5
79	MP3A	X	4.177	.25
80	MP3A	Z	-2.411	.25
81	MP3A	Mx	-.002	.25
82	MP3A	X	4.177	5.5
83	MP3A	Z	-2.411	5.5
84	MP3A	Mx	-.002	5.5
85	OVPA	X	7.377	1.5
86	OVPA	Z	-4.259	1.5
87	OVPA	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
88	MP1A	X	3.64	3
89	MP1A	Z	-2.101	3
90	MP1A	Mx	.001	3
91	MP1B	X	3.013	3
92	MP1B	Z	-1.74	3
93	MP1B	Mx	-.002	3
94	MP1C	X	4.266	3
95	MP1C	Z	-2.463	3
96	MP1C	Mx	.000637	3
97	MP3A	X	3.509	3
98	MP3A	Z	-2.026	3
99	MP3A	Mx	.001	3
100	MP3B	X	2.768	3
101	MP3B	Z	-1.598	3
102	MP3B	Mx	-.002	3
103	MP3C	X	4.249	3
104	MP3C	Z	-2.453	3
105	MP3C	Mx	.000635	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	2.479	2
2	MP1A	Z	0	2
3	MP1A	Mx	-.001	2
4	MP1A	X	2.479	3
5	MP1A	Z	0	3
6	MP1A	Mx	-.001	3
7	MP1B	X	6.073	2
8	MP1B	Z	0	2
9	MP1B	Mx	.000786	2
10	MP1B	X	6.073	3
11	MP1B	Z	0	3
12	MP1B	Mx	.000786	3
13	MP1C	X	4.405	2
14	MP1C	Z	0	2
15	MP1C	Mx	.002	2
16	MP1C	X	4.405	3
17	MP1C	Z	0	3
18	MP1C	Mx	.002	3
19	MP2A	X	7.196	.75
20	MP2A	Z	0	.75
21	MP2A	Mx	-.004	.75
22	MP2A	X	7.196	4.75
23	MP2A	Z	0	4.75
24	MP2A	Mx	-.004	4.75
25	MP2B	X	10.637	.75
26	MP2B	Z	0	.75
27	MP2B	Mx	-.006	.75
28	MP2B	X	10.637	4.75
29	MP2B	Z	0	4.75
30	MP2B	Mx	-.006	4.75
31	MP2C	X	9.04	.75
32	MP2C	Z	0	.75
33	MP2C	Mx	.007	.75
34	MP2C	X	9.04	4.75
35	MP2C	Z	0	4.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
36	MP2C	Mx	.007	4.75
37	MP2A	X	7.196	.75
38	MP2A	Z	0	.75
39	MP2A	Mx	-.004	.75
40	MP2A	X	7.196	4.75
41	MP2A	Z	0	4.75
42	MP2A	Mx	-.004	4.75
43	MP2B	X	10.599	.75
44	MP2B	Z	0	.75
45	MP2B	Mx	.007	.75
46	MP2B	X	10.599	4.75
47	MP2B	Z	0	4.75
48	MP2B	Mx	.007	4.75
49	MP2C	X	9.02	.75
50	MP2C	Z	0	.75
51	MP2C	Mx	-.000532	.75
52	MP2C	X	9.02	4.75
53	MP2C	Z	0	4.75
54	MP2C	Mx	-.000532	4.75
55	MP2A	X	1.44	3
56	MP2A	Z	0	3
57	MP2A	Mx	.000695	3
58	MP2B	X	2.022	3
59	MP2B	Z	0	3
60	MP2B	Mx	-.000715	3
61	MP2C	X	2.604	3
62	MP2C	Z	0	3
63	MP2C	Mx	-.000337	3
64	OVPB	X	6.99	1.5
65	OVPB	Z	0	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	4.331	.25
68	MP3B	Z	0	.25
69	MP3B	Mx	.002	.25
70	MP3B	X	4.331	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	.002	5.5
73	MP3C	X	4.733	.25
74	MP3C	Z	0	.25
75	MP3C	Mx	.000612	.25
76	MP3C	X	4.733	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	.000612	5.5
79	MP3A	X	3.493	.25
80	MP3A	Z	0	.25
81	MP3A	Mx	-.002	.25
82	MP3A	X	3.493	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	-.002	5.5
85	OVPA	X	8.519	1.5
86	OVPA	Z	0	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	3.48	3
89	MP1A	Z	0	3
90	MP1A	Mx	.002	3
91	MP1B	X	4.203	3
92	MP1B	Z	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP1B	Mx	-.001	3
94	MP1C	X	4.926	3
95	MP1C	Z	0	3
96	MP1C	Mx	-.000637	3
97	MP3A	X	3.197	3
98	MP3A	Z	0	3
99	MP3A	Mx	.002	3
100	MP3B	X	4.051	3
101	MP3B	Z	0	3
102	MP3B	Mx	-.001	3
103	MP3C	X	4.906	3
104	MP3C	Z	0	3
105	MP3C	Mx	-.000635	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.981	2
2	MP1A	Z	1.721	2
3	MP1A	Mx	-.001	2
4	MP1A	X	2.981	3
5	MP1A	Z	1.721	3
6	MP1A	Mx	-.001	3
7	MP1B	X	5.259	2
8	MP1B	Z	3.037	2
9	MP1B	Mx	-.000786	2
10	MP1B	X	5.259	3
11	MP1B	Z	3.037	3
12	MP1B	Mx	-.000786	3
13	MP1C	X	2.37	2
14	MP1C	Z	1.368	2
15	MP1C	Mx	.001	2
16	MP1C	X	2.37	3
17	MP1C	Z	1.368	3
18	MP1C	Mx	.001	3
19	MP2A	X	7.03	.75
20	MP2A	Z	4.059	.75
21	MP2A	Mx	-.001	.75
22	MP2A	X	7.03	4.75
23	MP2A	Z	4.059	4.75
24	MP2A	Mx	-.001	4.75
25	MP2B	X	9.212	.75
26	MP2B	Z	5.319	.75
27	MP2B	Mx	-.006	.75
28	MP2B	X	9.212	4.75
29	MP2B	Z	5.319	4.75
30	MP2B	Mx	-.006	4.75
31	MP2C	X	6.446	.75
32	MP2C	Z	3.721	.75
33	MP2C	Mx	.005	.75
34	MP2C	X	6.446	4.75
35	MP2C	Z	3.721	4.75
36	MP2C	Mx	.005	4.75
37	MP2A	X	7.021	.75
38	MP2A	Z	4.054	.75
39	MP2A	Mx	-.006	.75
40	MP2A	X	7.021	4.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
41	MP2A	Z	4.054	4.75
42	MP2A	Mx	-.006	4.75
43	MP2B	X	9.179	.75
44	MP2B	Z	5.3	.75
45	MP2B	Mx	.005	.75
46	MP2B	X	9.179	4.75
47	MP2B	Z	5.3	4.75
48	MP2B	Mx	.005	4.75
49	MP2C	X	6.443	.75
50	MP2C	Z	3.72	.75
51	MP2C	Mx	.002	.75
52	MP2C	X	6.443	4.75
53	MP2C	Z	3.72	4.75
54	MP2C	Mx	.002	4.75
55	MP2A	X	1.247	3
56	MP2A	Z	.72	3
57	MP2A	Mx	.000695	3
58	MP2B	X	2.255	3
59	MP2B	Z	1.302	3
60	MP2B	Mx	-.000337	3
61	MP2C	X	1.751	3
62	MP2C	Z	1.011	3
63	MP2C	Mx	-.000715	3
64	OVPB	X	7.348	1.5
65	OVPB	Z	4.242	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	4.099	.25
68	MP3B	Z	2.367	.25
69	MP3B	Mx	.000612	.25
70	MP3B	X	4.099	5.5
71	MP3B	Z	2.367	5.5
72	MP3B	Mx	.000612	5.5
73	MP3C	X	3.75	.25
74	MP3C	Z	2.165	.25
75	MP3C	Mx	.002	.25
76	MP3C	X	3.75	5.5
77	MP3C	Z	2.165	5.5
78	MP3C	Mx	.002	5.5
79	MP3A	X	3.025	.25
80	MP3A	Z	1.746	.25
81	MP3A	Mx	-.002	.25
82	MP3A	X	3.025	5.5
83	MP3A	Z	1.746	5.5
84	MP3A	Mx	-.002	5.5
85	OVPA	X	8.35	1.5
86	OVPA	Z	4.821	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	3.013	3
89	MP1A	Z	1.74	3
90	MP1A	Mx	.002	3
91	MP1B	X	4.266	3
92	MP1B	Z	2.463	3
93	MP1B	Mx	-.000637	3
94	MP1C	X	3.64	3
95	MP1C	Z	2.101	3
96	MP1C	Mx	-.001	3
97	MP3A	X	2.768	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP3A	Z	1.598	3
99	MP3A	Mx	.002	3
100	MP3B	X	4.249	3
101	MP3B	Z	2.453	3
102	MP3B	Mx	-.000635	3
103	MP3C	X	3.509	3
104	MP3C	Z	2.026	3
105	MP3C	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.684	2
2	MP1A	Z	4.649	2
3	MP1A	Mx	-.001	2
4	MP1A	X	2.684	3
5	MP1A	Z	4.649	3
6	MP1A	Mx	-.001	3
7	MP1B	X	2.202	2
8	MP1B	Z	3.815	2
9	MP1B	Mx	-.002	2
10	MP1B	X	2.202	3
11	MP1B	Z	3.815	3
12	MP1B	Mx	-.002	3
13	MP1C	X	1.368	2
14	MP1C	Z	2.37	2
15	MP1C	Mx	.001	2
16	MP1C	X	1.368	3
17	MP1C	Z	2.37	3
18	MP1C	Mx	.001	3
19	MP2A	X	4.981	.75
20	MP2A	Z	8.627	.75
21	MP2A	Mx	.003	.75
22	MP2A	X	4.981	4.75
23	MP2A	Z	8.627	4.75
24	MP2A	Mx	.003	4.75
25	MP2B	X	4.52	.75
26	MP2B	Z	7.829	.75
27	MP2B	Mx	-.004	.75
28	MP2B	X	4.52	4.75
29	MP2B	Z	7.829	4.75
30	MP2B	Mx	-.004	4.75
31	MP2C	X	3.721	.75
32	MP2C	Z	6.446	.75
33	MP2C	Mx	.002	.75
34	MP2C	X	3.721	4.75
35	MP2C	Z	6.446	4.75
36	MP2C	Mx	.002	4.75
37	MP2A	X	4.966	.75
38	MP2A	Z	8.601	.75
39	MP2A	Mx	-.007	.75
40	MP2A	X	4.966	4.75
41	MP2A	Z	8.601	4.75
42	MP2A	Mx	-.007	4.75
43	MP2B	X	4.51	.75
44	MP2B	Z	7.811	.75
45	MP2B	Mx	.000532	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
46	MP2B	X	4.51	4.75
47	MP2B	Z	7.811	4.75
48	MP2B	Mx	.000532	4.75
49	MP2C	X	3.72	.75
50	MP2C	Z	6.443	.75
51	MP2C	Mx	.005	.75
52	MP2C	X	3.72	4.75
53	MP2C	Z	6.443	4.75
54	MP2C	Mx	.005	4.75
55	MP2A	X	1.011	3
56	MP2A	Z	1.751	3
57	MP2A	Mx	.000715	3
58	MP2B	X	1.302	3
59	MP2B	Z	2.255	3
60	MP2B	Mx	.000337	3
61	MP2C	X	.72	3
62	MP2C	Z	1.247	3
63	MP2C	Mx	-.000695	3
64	OVPB	X	4.99	1.5
65	OVPB	Z	8.642	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	2.367	.25
68	MP3B	Z	4.099	.25
69	MP3B	Mx	-.000612	.25
70	MP3B	X	2.367	5.5
71	MP3B	Z	4.099	5.5
72	MP3B	Mx	-.000612	5.5
73	MP3C	X	1.964	.25
74	MP3C	Z	3.402	.25
75	MP3C	Mx	.002	.25
76	MP3C	X	1.964	5.5
77	MP3C	Z	3.402	5.5
78	MP3C	Mx	.002	5.5
79	MP3A	X	2.411	.25
80	MP3A	Z	4.177	.25
81	MP3A	Mx	-.002	.25
82	MP3A	X	2.411	5.5
83	MP3A	Z	4.177	5.5
84	MP3A	Mx	-.002	5.5
85	OVPA	X	5.382	1.5
86	OVPA	Z	9.322	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	2.101	3
89	MP1A	Z	3.64	3
90	MP1A	Mx	.001	3
91	MP1B	X	2.463	3
92	MP1B	Z	4.266	3
93	MP1B	Mx	.000637	3
94	MP1C	X	1.74	3
95	MP1C	Z	3.013	3
96	MP1C	Mx	-.002	3
97	MP3A	X	2.026	3
98	MP3A	Z	3.509	3
99	MP3A	Mx	.001	3
100	MP3B	X	2.453	3
101	MP3B	Z	4.249	3
102	MP3B	Mx	.000635	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP3C	X	1.598	3
104	MP3C	Z	2.768	3
105	MP3C	Mx	-.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	2
2	MP1A	Z	6.331	2
3	MP1A	Mx	0	2
4	MP1A	X	0	3
5	MP1A	Z	6.331	3
6	MP1A	Mx	0	3
7	MP1B	X	0	2
8	MP1B	Z	2.737	2
9	MP1B	Mx	-.001	2
10	MP1B	X	0	3
11	MP1B	Z	2.737	3
12	MP1B	Mx	-.001	3
13	MP1C	X	0	2
14	MP1C	Z	4.405	2
15	MP1C	Mx	.002	2
16	MP1C	X	0	3
17	MP1C	Z	4.405	3
18	MP1C	Mx	.002	3
19	MP2A	X	0	.75
20	MP2A	Z	10.884	.75
21	MP2A	Mx	.006	.75
22	MP2A	X	0	4.75
23	MP2A	Z	10.884	4.75
24	MP2A	Mx	.006	4.75
25	MP2B	X	0	.75
26	MP2B	Z	7.443	.75
27	MP2B	Mx	-.001	.75
28	MP2B	X	0	4.75
29	MP2B	Z	7.443	4.75
30	MP2B	Mx	-.001	4.75
31	MP2C	X	0	.75
32	MP2C	Z	9.04	.75
33	MP2C	Mx	-.000533	.75
34	MP2C	X	0	4.75
35	MP2C	Z	9.04	4.75
36	MP2C	Mx	-.000533	4.75
37	MP2A	X	0	.75
38	MP2A	Z	10.844	.75
39	MP2A	Mx	-.006	.75
40	MP2A	X	0	4.75
41	MP2A	Z	10.844	4.75
42	MP2A	Mx	-.006	4.75
43	MP2B	X	0	.75
44	MP2B	Z	7.44	.75
45	MP2B	Mx	-.002	.75
46	MP2B	X	0	4.75
47	MP2B	Z	7.44	4.75
48	MP2B	Mx	-.002	4.75
49	MP2C	X	0	.75
50	MP2C	Z	9.02	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
51	MP2C	Mx	.007	.75
52	MP2C	X	0	4.75
53	MP2C	Z	9.02	4.75
54	MP2C	Mx	.007	4.75
55	MP2A	X	0	3
56	MP2A	Z	2.604	3
57	MP2A	Mx	.000337	3
58	MP2B	X	0	3
59	MP2B	Z	2.022	3
60	MP2B	Mx	.000715	3
61	MP2C	X	0	3
62	MP2C	Z	1.44	3
63	MP2C	Mx	-.000695	3
64	OVPB	X	0	1.5
65	OVPB	Z	9.979	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	0	.25
68	MP3B	Z	4.331	.25
69	MP3B	Mx	-.002	.25
70	MP3B	X	0	5.5
71	MP3B	Z	4.331	5.5
72	MP3B	Mx	-.002	5.5
73	MP3C	X	0	.25
74	MP3C	Z	3.928	.25
75	MP3C	Mx	.002	.25
76	MP3C	X	0	5.5
77	MP3C	Z	3.928	5.5
78	MP3C	Mx	.002	5.5
79	MP3A	X	0	.25
80	MP3A	Z	6.152	.25
81	MP3A	Mx	-.000796	.25
82	MP3A	X	0	5.5
83	MP3A	Z	6.152	5.5
84	MP3A	Mx	-.000796	5.5
85	OVPA	X	0	1.5
86	OVPA	Z	10.764	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	0	3
89	MP1A	Z	4.926	3
90	MP1A	Mx	.000637	3
91	MP1B	X	0	3
92	MP1B	Z	4.203	3
93	MP1B	Mx	.001	3
94	MP1C	X	0	3
95	MP1C	Z	3.48	3
96	MP1C	Mx	-.002	3
97	MP3A	X	0	3
98	MP3A	Z	4.906	3
99	MP3A	Mx	.000635	3
100	MP3B	X	0	3
101	MP3B	Z	4.051	3
102	MP3B	Mx	.001	3
103	MP3C	X	0	3
104	MP3C	Z	3.197	3
105	MP3C	Mx	-.002	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-2.684	2
2	MP1A	Z	4.649	2
3	MP1A	Mx	.001	2
4	MP1A	X	-2.684	3
5	MP1A	Z	4.649	3
6	MP1A	Mx	.001	3
7	MP1B	X	-1.368	2
8	MP1B	Z	2.37	2
9	MP1B	Mx	-.001	2
10	MP1B	X	-1.368	3
11	MP1B	Z	2.37	3
12	MP1B	Mx	-.001	3
13	MP1C	X	-3.037	2
14	MP1C	Z	5.259	2
15	MP1C	Mx	.000786	2
16	MP1C	X	-3.037	3
17	MP1C	Z	5.259	3
18	MP1C	Mx	.000786	3
19	MP2A	X	-4.981	.75
20	MP2A	Z	8.627	.75
21	MP2A	Mx	.008	.75
22	MP2A	X	-4.981	4.75
23	MP2A	Z	8.627	4.75
24	MP2A	Mx	.008	4.75
25	MP2B	X	-3.721	.75
26	MP2B	Z	6.446	.75
27	MP2B	Mx	.001	.75
28	MP2B	X	-3.721	4.75
29	MP2B	Z	6.446	4.75
30	MP2B	Mx	.001	4.75
31	MP2C	X	-5.319	.75
32	MP2C	Z	9.212	.75
33	MP2C	Mx	-.005	.75
34	MP2C	X	-5.319	4.75
35	MP2C	Z	9.212	4.75
36	MP2C	Mx	-.005	4.75
37	MP2A	X	-4.966	.75
38	MP2A	Z	8.601	.75
39	MP2A	Mx	-.003	.75
40	MP2A	X	-4.966	4.75
41	MP2A	Z	8.601	4.75
42	MP2A	Mx	-.003	4.75
43	MP2B	X	-3.72	.75
44	MP2B	Z	6.443	.75
45	MP2B	Mx	-.005	.75
46	MP2B	X	-3.72	4.75
47	MP2B	Z	6.443	4.75
48	MP2B	Mx	-.005	4.75
49	MP2C	X	-5.3	.75
50	MP2C	Z	9.179	.75
51	MP2C	Mx	.007	.75
52	MP2C	X	-5.3	4.75
53	MP2C	Z	9.179	4.75
54	MP2C	Mx	.007	4.75
55	MP2A	X	-1.302	3
56	MP2A	Z	2.255	3
57	MP2A	Mx	-.000337	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-.72	3
59	MP2B	Z	1.247	3
60	MP2B	Mx	.000695	3
61	MP2C	X	-1.011	3
62	MP2C	Z	1.751	3
63	MP2C	Mx	-.000715	3
64	OVPB	X	-4.242	1.5
65	OVPB	Z	7.348	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	-1.964	.25
68	MP3B	Z	3.402	.25
69	MP3B	Mx	-.002	.25
70	MP3B	X	-1.964	5.5
71	MP3B	Z	3.402	5.5
72	MP3B	Mx	-.002	5.5
73	MP3C	X	-2.165	.25
74	MP3C	Z	3.75	.25
75	MP3C	Mx	.002	.25
76	MP3C	X	-2.165	5.5
77	MP3C	Z	3.75	5.5
78	MP3C	Mx	.002	5.5
79	MP3A	X	-3.076	.25
80	MP3A	Z	5.328	.25
81	MP3A	Mx	.000796	.25
82	MP3A	X	-3.076	5.5
83	MP3A	Z	5.328	5.5
84	MP3A	Mx	.000796	5.5
85	OVPA	X	-4.821	1.5
86	OVPA	Z	8.35	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	-2.463	3
89	MP1A	Z	4.266	3
90	MP1A	Mx	-.000637	3
91	MP1B	X	-1.74	3
92	MP1B	Z	3.013	3
93	MP1B	Mx	.002	3
94	MP1C	X	-2.101	3
95	MP1C	Z	3.64	3
96	MP1C	Mx	-.001	3
97	MP3A	X	-2.453	3
98	MP3A	Z	4.249	3
99	MP3A	Mx	-.000635	3
100	MP3B	X	-1.598	3
101	MP3B	Z	2.768	3
102	MP3B	Mx	.002	3
103	MP3C	X	-2.026	3
104	MP3C	Z	3.509	3
105	MP3C	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.981	2
2	MP1A	Z	1.721	2
3	MP1A	Mx	.001	2
4	MP1A	X	-2.981	3
5	MP1A	Z	1.721	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP1A	Mx	.001	3
7	MP1B	X	-3.815	2
8	MP1B	Z	2.202	2
9	MP1B	Mx	-.002	2
10	MP1B	X	-3.815	3
11	MP1B	Z	2.202	3
12	MP1B	Mx	-.002	3
13	MP1C	X	-5.259	2
14	MP1C	Z	3.037	2
15	MP1C	Mx	-.000786	2
16	MP1C	X	-5.259	3
17	MP1C	Z	3.037	3
18	MP1C	Mx	-.000786	3
19	MP2A	X	-7.03	.75
20	MP2A	Z	4.059	.75
21	MP2A	Mx	.006	.75
22	MP2A	X	-7.03	4.75
23	MP2A	Z	4.059	4.75
24	MP2A	Mx	.006	4.75
25	MP2B	X	-7.829	.75
26	MP2B	Z	4.52	.75
27	MP2B	Mx	.004	.75
28	MP2B	X	-7.829	4.75
29	MP2B	Z	4.52	4.75
30	MP2B	Mx	.004	4.75
31	MP2C	X	-9.212	.75
32	MP2C	Z	5.319	.75
33	MP2C	Mx	-.007	.75
34	MP2C	X	-9.212	4.75
35	MP2C	Z	5.319	4.75
36	MP2C	Mx	-.007	4.75
37	MP2A	X	-7.021	.75
38	MP2A	Z	4.054	.75
39	MP2A	Mx	.001	.75
40	MP2A	X	-7.021	4.75
41	MP2A	Z	4.054	4.75
42	MP2A	Mx	.001	4.75
43	MP2B	X	-7.811	.75
44	MP2B	Z	4.51	.75
45	MP2B	Mx	-.007	.75
46	MP2B	X	-7.811	4.75
47	MP2B	Z	4.51	4.75
48	MP2B	Mx	-.007	4.75
49	MP2C	X	-9.179	.75
50	MP2C	Z	5.3	.75
51	MP2C	Mx	.005	.75
52	MP2C	X	-9.179	4.75
53	MP2C	Z	5.3	4.75
54	MP2C	Mx	.005	4.75
55	MP2A	X	-1.751	3
56	MP2A	Z	1.011	3
57	MP2A	Mx	-.000715	3
58	MP2B	X	-1.247	3
59	MP2B	Z	.72	3
60	MP2B	Mx	.000695	3
61	MP2C	X	-2.255	3
62	MP2C	Z	1.302	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	-.000337	3
64	OVPB	X	-6.053	1.5
65	OVPB	Z	3.495	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	-3.402	.25
68	MP3B	Z	1.964	.25
69	MP3B	Mx	-.002	.25
70	MP3B	X	-3.402	5.5
71	MP3B	Z	1.964	5.5
72	MP3B	Mx	-.002	5.5
73	MP3C	X	-4.099	.25
74	MP3C	Z	2.367	.25
75	MP3C	Mx	.000613	.25
76	MP3C	X	-4.099	5.5
77	MP3C	Z	2.367	5.5
78	MP3C	Mx	.000613	5.5
79	MP3A	X	-4.177	.25
80	MP3A	Z	2.411	.25
81	MP3A	Mx	.002	.25
82	MP3A	X	-4.177	5.5
83	MP3A	Z	2.411	5.5
84	MP3A	Mx	.002	5.5
85	OVPA	X	-7.377	1.5
86	OVPA	Z	4.259	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	-3.64	3
89	MP1A	Z	2.101	3
90	MP1A	Mx	-.001	3
91	MP1B	X	-3.013	3
92	MP1B	Z	1.74	3
93	MP1B	Mx	.002	3
94	MP1C	X	-4.266	3
95	MP1C	Z	2.463	3
96	MP1C	Mx	-.000637	3
97	MP3A	X	-3.509	3
98	MP3A	Z	2.026	3
99	MP3A	Mx	-.001	3
100	MP3B	X	-2.768	3
101	MP3B	Z	1.598	3
102	MP3B	Mx	.002	3
103	MP3C	X	-4.249	3
104	MP3C	Z	2.453	3
105	MP3C	Mx	-.000635	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.479	2
2	MP1A	Z	0	2
3	MP1A	Mx	.001	2
4	MP1A	X	-2.479	3
5	MP1A	Z	0	3
6	MP1A	Mx	.001	3
7	MP1B	X	-6.073	2
8	MP1B	Z	0	2
9	MP1B	Mx	-.000786	2
10	MP1B	X	-6.073	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
11	MP1B	Z	0	3
12	MP1B	Mx	-.000786	3
13	MP1C	X	-4.405	2
14	MP1C	Z	0	2
15	MP1C	Mx	-.002	2
16	MP1C	X	-4.405	3
17	MP1C	Z	0	3
18	MP1C	Mx	-.002	3
19	MP2A	X	-7.196	.75
20	MP2A	Z	0	.75
21	MP2A	Mx	.004	.75
22	MP2A	X	-7.196	4.75
23	MP2A	Z	0	4.75
24	MP2A	Mx	.004	4.75
25	MP2B	X	-10.637	.75
26	MP2B	Z	0	.75
27	MP2B	Mx	.006	.75
28	MP2B	X	-10.637	4.75
29	MP2B	Z	0	4.75
30	MP2B	Mx	.006	4.75
31	MP2C	X	-9.04	.75
32	MP2C	Z	0	.75
33	MP2C	Mx	-.007	.75
34	MP2C	X	-9.04	4.75
35	MP2C	Z	0	4.75
36	MP2C	Mx	-.007	4.75
37	MP2A	X	-7.196	.75
38	MP2A	Z	0	.75
39	MP2A	Mx	.004	.75
40	MP2A	X	-7.196	4.75
41	MP2A	Z	0	4.75
42	MP2A	Mx	.004	4.75
43	MP2B	X	-10.599	.75
44	MP2B	Z	0	.75
45	MP2B	Mx	-.007	.75
46	MP2B	X	-10.599	4.75
47	MP2B	Z	0	4.75
48	MP2B	Mx	-.007	4.75
49	MP2C	X	-9.02	.75
50	MP2C	Z	0	.75
51	MP2C	Mx	.000532	.75
52	MP2C	X	-9.02	4.75
53	MP2C	Z	0	4.75
54	MP2C	Mx	.000532	4.75
55	MP2A	X	-1.44	3
56	MP2A	Z	0	3
57	MP2A	Mx	-.000695	3
58	MP2B	X	-2.022	3
59	MP2B	Z	0	3
60	MP2B	Mx	.000715	3
61	MP2C	X	-2.604	3
62	MP2C	Z	0	3
63	MP2C	Mx	.000337	3
64	OVPB	X	-6.99	1.5
65	OVPB	Z	0	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	-4.331	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP3B	Z	0	.25
69	MP3B	Mx	-.002	.25
70	MP3B	X	-4.331	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	-.002	5.5
73	MP3C	X	-4.733	.25
74	MP3C	Z	0	.25
75	MP3C	Mx	-.000612	.25
76	MP3C	X	-4.733	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	-.000612	5.5
79	MP3A	X	-3.493	.25
80	MP3A	Z	0	.25
81	MP3A	Mx	.002	.25
82	MP3A	X	-3.493	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	.002	5.5
85	OVPA	X	-8.519	1.5
86	OVPA	Z	0	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	-3.48	3
89	MP1A	Z	0	3
90	MP1A	Mx	-.002	3
91	MP1B	X	-4.203	3
92	MP1B	Z	0	3
93	MP1B	Mx	.001	3
94	MP1C	X	-4.926	3
95	MP1C	Z	0	3
96	MP1C	Mx	.000637	3
97	MP3A	X	-3.197	3
98	MP3A	Z	0	3
99	MP3A	Mx	-.002	3
100	MP3B	X	-4.051	3
101	MP3B	Z	0	3
102	MP3B	Mx	.001	3
103	MP3C	X	-4.906	3
104	MP3C	Z	0	3
105	MP3C	Mx	.000635	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.981	2
2	MP1A	Z	-1.721	2
3	MP1A	Mx	.001	2
4	MP1A	X	-2.981	3
5	MP1A	Z	-1.721	3
6	MP1A	Mx	.001	3
7	MP1B	X	-5.259	2
8	MP1B	Z	-3.037	2
9	MP1B	Mx	.000786	2
10	MP1B	X	-5.259	3
11	MP1B	Z	-3.037	3
12	MP1B	Mx	.000786	3
13	MP1C	X	-2.37	2
14	MP1C	Z	-1.368	2
15	MP1C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
16	MP1C	X	-2.37	3
17	MP1C	Z	-1.368	3
18	MP1C	Mx	-.001	3
19	MP2A	X	-7.03	.75
20	MP2A	Z	-4.059	.75
21	MP2A	Mx	.001	.75
22	MP2A	X	-7.03	4.75
23	MP2A	Z	-4.059	4.75
24	MP2A	Mx	.001	4.75
25	MP2B	X	-9.212	.75
26	MP2B	Z	-5.319	.75
27	MP2B	Mx	.006	.75
28	MP2B	X	-9.212	4.75
29	MP2B	Z	-5.319	4.75
30	MP2B	Mx	.006	4.75
31	MP2C	X	-6.446	.75
32	MP2C	Z	-3.721	.75
33	MP2C	Mx	-.005	.75
34	MP2C	X	-6.446	4.75
35	MP2C	Z	-3.721	4.75
36	MP2C	Mx	-.005	4.75
37	MP2A	X	-7.021	.75
38	MP2A	Z	-4.054	.75
39	MP2A	Mx	.006	.75
40	MP2A	X	-7.021	4.75
41	MP2A	Z	-4.054	4.75
42	MP2A	Mx	.006	4.75
43	MP2B	X	-9.179	.75
44	MP2B	Z	-5.3	.75
45	MP2B	Mx	-.005	.75
46	MP2B	X	-9.179	4.75
47	MP2B	Z	-5.3	4.75
48	MP2B	Mx	-.005	4.75
49	MP2C	X	-6.443	.75
50	MP2C	Z	-3.72	.75
51	MP2C	Mx	-.002	.75
52	MP2C	X	-6.443	4.75
53	MP2C	Z	-3.72	4.75
54	MP2C	Mx	-.002	4.75
55	MP2A	X	-1.247	3
56	MP2A	Z	-.72	3
57	MP2A	Mx	-.000695	3
58	MP2B	X	-2.255	3
59	MP2B	Z	-1.302	3
60	MP2B	Mx	.000337	3
61	MP2C	X	-1.751	3
62	MP2C	Z	-1.011	3
63	MP2C	Mx	.000715	3
64	OVPB	X	-7.348	1.5
65	OVPB	Z	-4.242	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	-4.099	.25
68	MP3B	Z	-2.367	.25
69	MP3B	Mx	-.000612	.25
70	MP3B	X	-4.099	5.5
71	MP3B	Z	-2.367	5.5
72	MP3B	Mx	-.000612	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
73	MP3C	X	-3.75	.25
74	MP3C	Z	-2.165	.25
75	MP3C	Mx	-.002	.25
76	MP3C	X	-3.75	5.5
77	MP3C	Z	-2.165	5.5
78	MP3C	Mx	-.002	5.5
79	MP3A	X	-3.025	.25
80	MP3A	Z	-1.746	.25
81	MP3A	Mx	.002	.25
82	MP3A	X	-3.025	5.5
83	MP3A	Z	-1.746	5.5
84	MP3A	Mx	.002	5.5
85	OVPA	X	-8.35	1.5
86	OVPA	Z	-4.821	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	-3.013	3
89	MP1A	Z	-1.74	3
90	MP1A	Mx	-.002	3
91	MP1B	X	-4.266	3
92	MP1B	Z	-2.463	3
93	MP1B	Mx	.000637	3
94	MP1C	X	-3.64	3
95	MP1C	Z	-2.101	3
96	MP1C	Mx	.001	3
97	MP3A	X	-2.768	3
98	MP3A	Z	-1.598	3
99	MP3A	Mx	-.002	3
100	MP3B	X	-4.249	3
101	MP3B	Z	-2.453	3
102	MP3B	Mx	.000635	3
103	MP3C	X	-3.509	3
104	MP3C	Z	-2.026	3
105	MP3C	Mx	.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-2.684	2
2	MP1A	Z	-4.649	2
3	MP1A	Mx	.001	2
4	MP1A	X	-2.684	3
5	MP1A	Z	-4.649	3
6	MP1A	Mx	.001	3
7	MP1B	X	-2.202	2
8	MP1B	Z	-3.815	2
9	MP1B	Mx	.002	2
10	MP1B	X	-2.202	3
11	MP1B	Z	-3.815	3
12	MP1B	Mx	.002	3
13	MP1C	X	-1.368	2
14	MP1C	Z	-2.37	2
15	MP1C	Mx	-.001	2
16	MP1C	X	-1.368	3
17	MP1C	Z	-2.37	3
18	MP1C	Mx	-.001	3
19	MP2A	X	-4.981	.75
20	MP2A	Z	-8.627	.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
21	MP2A	Mx	-.003	.75
22	MP2A	X	-4.981	4.75
23	MP2A	Z	-8.627	4.75
24	MP2A	Mx	-.003	4.75
25	MP2B	X	-4.52	.75
26	MP2B	Z	-7.829	.75
27	MP2B	Mx	.004	.75
28	MP2B	X	-4.52	4.75
29	MP2B	Z	-7.829	4.75
30	MP2B	Mx	.004	4.75
31	MP2C	X	-3.721	.75
32	MP2C	Z	-6.446	.75
33	MP2C	Mx	-.002	.75
34	MP2C	X	-3.721	4.75
35	MP2C	Z	-6.446	4.75
36	MP2C	Mx	-.002	4.75
37	MP2A	X	-4.966	.75
38	MP2A	Z	-8.601	.75
39	MP2A	Mx	.007	.75
40	MP2A	X	-4.966	4.75
41	MP2A	Z	-8.601	4.75
42	MP2A	Mx	.007	4.75
43	MP2B	X	-4.51	.75
44	MP2B	Z	-7.811	.75
45	MP2B	Mx	-.000532	.75
46	MP2B	X	-4.51	4.75
47	MP2B	Z	-7.811	4.75
48	MP2B	Mx	-.000532	4.75
49	MP2C	X	-3.72	.75
50	MP2C	Z	-6.443	.75
51	MP2C	Mx	-.005	.75
52	MP2C	X	-3.72	4.75
53	MP2C	Z	-6.443	4.75
54	MP2C	Mx	-.005	4.75
55	MP2A	X	-1.011	3
56	MP2A	Z	-1.751	3
57	MP2A	Mx	-.000715	3
58	MP2B	X	-1.302	3
59	MP2B	Z	-2.255	3
60	MP2B	Mx	-.000337	3
61	MP2C	X	-.72	3
62	MP2C	Z	-1.247	3
63	MP2C	Mx	.000695	3
64	OVPB	X	-4.99	1.5
65	OVPB	Z	-8.642	1.5
66	OVPB	Mx	0	1.5
67	MP3B	X	-2.367	.25
68	MP3B	Z	-4.099	.25
69	MP3B	Mx	.000612	.25
70	MP3B	X	-2.367	5.5
71	MP3B	Z	-4.099	5.5
72	MP3B	Mx	.000612	5.5
73	MP3C	X	-1.964	.25
74	MP3C	Z	-3.402	.25
75	MP3C	Mx	-.002	.25
76	MP3C	X	-1.964	5.5
77	MP3C	Z	-3.402	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP3C	Mx	-.002	5.5
79	MP3A	X	-2.411	.25
80	MP3A	Z	-4.177	.25
81	MP3A	Mx	.002	.25
82	MP3A	X	-2.411	5.5
83	MP3A	Z	-4.177	5.5
84	MP3A	Mx	.002	5.5
85	OVPA	X	-5.382	1.5
86	OVPA	Z	-9.322	1.5
87	OVPA	Mx	0	1.5
88	MP1A	X	-2.101	3
89	MP1A	Z	-3.64	3
90	MP1A	Mx	-.001	3
91	MP1B	X	-2.463	3
92	MP1B	Z	-4.266	3
93	MP1B	Mx	-.000637	3
94	MP1C	X	-1.74	3
95	MP1C	Z	-3.013	3
96	MP1C	Mx	.002	3
97	MP3A	X	-2.026	3
98	MP3A	Z	-3.509	3
99	MP3A	Mx	-.001	3
100	MP3B	X	-2.453	3
101	MP3B	Z	-4.249	3
102	MP3B	Mx	-.000635	3
103	MP3C	X	-1.598	3
104	MP3C	Z	-2.768	3
105	MP3C	Mx	.002	3

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	LIVE1	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	LIVE2	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	FACE	Y	-11.156	-11.156	0	%100
2	M4	Y	-15.747	-15.747	0	%100
3	M10	Y	-15.747	-15.747	0	%100
4	MP3A	Y	-8.762	-8.762	0	%100
5	MP4A	Y	-8.762	-8.762	0	%100
6	MP2A	Y	-8.762	-8.762	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, %]
7	MP1A	Y	-8.762	-8.762	0	%100
8	M43	Y	-15.747	-15.747	0	%100
9	M46	Y	-16.521	-16.521	0	%100
10	M51B	Y	-9.727	-9.727	0	%100
11	M52B	Y	-9.727	-9.727	0	%100
12	M76	Y	-16.502	-16.502	0	%100
13	M77	Y	-16.502	-16.502	0	%100
14	M80	Y	-16.521	-16.521	0	%100
15	M84	Y	-16.502	-16.502	0	%100
16	M85	Y	-16.502	-16.502	0	%100
17	M91	Y	-16.521	-16.521	0	%100
18	M52A	Y	-15.747	-15.747	0	%100
19	M53	Y	-15.747	-15.747	0	%100
20	M54	Y	-15.747	-15.747	0	%100
21	M55	Y	-16.521	-16.521	0	%100
22	M58A	Y	-9.727	-9.727	0	%100
23	M59A	Y	-9.727	-9.727	0	%100
24	M63	Y	-16.502	-16.502	0	%100
25	M64	Y	-16.502	-16.502	0	%100
26	M66	Y	-16.521	-16.521	0	%100
27	M68	Y	-16.502	-16.502	0	%100
28	M69	Y	-16.502	-16.502	0	%100
29	M71	Y	-16.521	-16.521	0	%100
30	M76A	Y	-15.747	-15.747	0	%100
31	M77A	Y	-15.747	-15.747	0	%100
32	M78	Y	-15.747	-15.747	0	%100
33	M79A	Y	-16.521	-16.521	0	%100
34	M82	Y	-9.727	-9.727	0	%100
35	M83A	Y	-9.727	-9.727	0	%100
36	M87	Y	-16.502	-16.502	0	%100
37	M88A	Y	-16.502	-16.502	0	%100
38	M90	Y	-16.521	-16.521	0	%100
39	M92A	Y	-16.502	-16.502	0	%100
40	M93	Y	-16.502	-16.502	0	%100
41	M95	Y	-16.521	-16.521	0	%100
42	M82A	Y	-11.156	-11.156	0	%100
43	M91B	Y	-11.156	-11.156	0	%100
44	MP3C	Y	-8.762	-8.762	0	%100
45	MP4C	Y	-8.762	-8.762	0	%100
46	MP2C	Y	-8.762	-8.762	0	%100
47	MP1C	Y	-8.762	-8.762	0	%100
48	MP3B	Y	-8.762	-8.762	0	%100
49	MP4B	Y	-8.762	-8.762	0	%100
50	MP2B	Y	-8.762	-8.762	0	%100
51	MP1B	Y	-8.762	-8.762	0	%100
52	M100	Y	-8.762	-8.762	0	%100
53	M105	Y	-8.762	-8.762	0	%100
54	M110	Y	-8.762	-8.762	0	%100
55	M121	Y	-11.232	-11.232	0	%100
56	M122	Y	-11.232	-11.232	0	%100
57	M123	Y	-11.232	-11.232	0	%100
58	OVPB	Y	-8.762	-8.762	0	%100
59	OVPA	Y	-8.762	-8.762	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, %]
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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, %]
1	FACE	X	0	0	0	%100
2	FACE	Z	-13.896	-13.896	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-12.117	-12.117	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-9.567	-9.567	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-9.567	-9.567	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-9.567	-9.567	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-9.567	-9.567	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-12.117	-12.117	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-24.168	-24.168	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-3.355	-3.355	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-3.355	-3.355	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-6.154	-6.154	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-6.482	-6.482	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-6.154	-6.154	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-6.482	-6.482	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-10.74	-10.74	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-3.029	-3.029	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-3.029	-3.029	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-6.042	-6.042	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-3.355	-3.355	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-13.42	-13.42	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-18.126	-18.126	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-6.154	-6.154	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-6.482	-6.482	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-18.126	-18.126	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-24.616	-24.616	0	%100
57	M71	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,%]
58	M71	Z	-25.927	-25.927	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-10.74	-10.74	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-3.029	-3.029	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-3.029	-3.029	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-6.042	-6.042	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-13.42	-13.42	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-3.355	-3.355	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-18.126	-18.126	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-24.616	-24.616	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-25.927	-25.927	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-18.126	-18.126	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-6.154	-6.154	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-6.482	-6.482	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-3.474	-3.474	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-3.474	-3.474	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-9.567	-9.567	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-9.567	-9.567	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-9.567	-9.567	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-9.567	-9.567	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-9.567	-9.567	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-9.567	-9.567	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-9.567	-9.567	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-9.567	-9.567	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	-9.567	-9.567	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	-2.392	-2.392	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	-2.392	-2.392	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	-2.904	-2.904	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	-11.614	-11.614	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	-2.904	-2.904	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, %]
115	OVPB	X	0	0	0	%100
116	OVPB	Z	-7.823	-7.823	0	%100
117	OVPA	X	0	0	0	%100
118	OVPA	Z	-7.823	-7.823	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	FACE	X	5.211	5.211	0	%100
2	FACE	Z	-9.026	-9.026	0	%100
3	M4	X	1.79	1.79	0	%100
4	M4	Z	-3.1	-3.1	0	%100
5	M10	X	4.544	4.544	0	%100
6	M10	Z	-7.87	-7.87	0	%100
7	MP3A	X	4.783	4.783	0	%100
8	MP3A	Z	-8.285	-8.285	0	%100
9	MP4A	X	4.783	4.783	0	%100
10	MP4A	Z	-8.285	-8.285	0	%100
11	MP2A	X	4.783	4.783	0	%100
12	MP2A	Z	-8.285	-8.285	0	%100
13	MP1A	X	4.783	4.783	0	%100
14	MP1A	Z	-8.285	-8.285	0	%100
15	M43	X	4.544	4.544	0	%100
16	M43	Z	-7.87	-7.87	0	%100
17	M46	X	9.063	9.063	0	%100
18	M46	Z	-15.698	-15.698	0	%100
19	M51B	X	5.033	5.033	0	%100
20	M51B	Z	-8.717	-8.717	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	3.021	3.021	0	%100
24	M76	Z	-5.233	-5.233	0	%100
25	M77	X	9.231	9.231	0	%100
26	M77	Z	-15.988	-15.988	0	%100
27	M80	X	9.723	9.723	0	%100
28	M80	Z	-16.84	-16.84	0	%100
29	M84	X	3.021	3.021	0	%100
30	M84	Z	-5.233	-5.233	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	1.79	1.79	0	%100
36	M52A	Z	-3.1	-3.1	0	%100
37	M53	X	4.544	4.544	0	%100
38	M53	Z	-7.87	-7.87	0	%100
39	M54	X	4.544	4.544	0	%100
40	M54	Z	-7.87	-7.87	0	%100
41	M55	X	9.063	9.063	0	%100
42	M55	Z	-15.698	-15.698	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	5.033	5.033	0	%100
46	M59A	Z	-8.717	-8.717	0	%100
47	M63	X	3.021	3.021	0	%100
48	M63	Z	-5.233	-5.233	0	%100
49	M64	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,F,...]	Start Location[ft,%]	End Location[ft,%]
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	3.021	3.021	0	%100
54	M68	Z	-5.233	-5.233	0	%100
55	M69	X	9.231	9.231	0	%100
56	M69	Z	-15.988	-15.988	0	%100
57	M71	X	9.723	9.723	0	%100
58	M71	Z	-16.84	-16.84	0	%100
59	M76A	X	7.16	7.16	0	%100
60	M76A	Z	-12.401	-12.401	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	5.033	5.033	0	%100
68	M82	Z	-8.717	-8.717	0	%100
69	M83A	X	5.033	5.033	0	%100
70	M83A	Z	-8.717	-8.717	0	%100
71	M87	X	12.084	12.084	0	%100
72	M87	Z	-20.93	-20.93	0	%100
73	M88A	X	9.231	9.231	0	%100
74	M88A	Z	-15.988	-15.988	0	%100
75	M90	X	9.723	9.723	0	%100
76	M90	Z	-16.84	-16.84	0	%100
77	M92A	X	12.084	12.084	0	%100
78	M92A	Z	-20.93	-20.93	0	%100
79	M93	X	9.231	9.231	0	%100
80	M93	Z	-15.988	-15.988	0	%100
81	M95	X	9.723	9.723	0	%100
82	M95	Z	-16.84	-16.84	0	%100
83	M82A	X	5.211	5.211	0	%100
84	M82A	Z	-9.026	-9.026	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	4.783	4.783	0	%100
88	MP3C	Z	-8.285	-8.285	0	%100
89	MP4C	X	4.783	4.783	0	%100
90	MP4C	Z	-8.285	-8.285	0	%100
91	MP2C	X	4.783	4.783	0	%100
92	MP2C	Z	-8.285	-8.285	0	%100
93	MP1C	X	4.783	4.783	0	%100
94	MP1C	Z	-8.285	-8.285	0	%100
95	MP3B	X	4.783	4.783	0	%100
96	MP3B	Z	-8.285	-8.285	0	%100
97	MP4B	X	4.783	4.783	0	%100
98	MP4B	Z	-8.285	-8.285	0	%100
99	MP2B	X	4.783	4.783	0	%100
100	MP2B	Z	-8.285	-8.285	0	%100
101	MP1B	X	4.783	4.783	0	%100
102	MP1B	Z	-8.285	-8.285	0	%100
103	M100	X	3.587	3.587	0	%100
104	M100	Z	-6.214	-6.214	0	%100
105	M105	X	3.587	3.587	0	%100
106	M105	Z	-6.214	-6.214	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, %]
107	M110	X	0	0	0	%100
108	M110	Z	0	0	0	%100
109	M121	X	4.355	4.355	0	%100
110	M121	Z	-7.544	-7.544	0	%100
111	M122	X	4.355	4.355	0	%100
112	M122	Z	-7.544	-7.544	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100
115	OVPB	X	3.911	3.911	0	%100
116	OVPB	Z	-6.775	-6.775	0	%100
117	OVPA	X	3.911	3.911	0	%100
118	OVPA	Z	-6.775	-6.775	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	FACE	X	3.009	3.009	0	%100
2	FACE	Z	-1.737	-1.737	0	%100
3	M4	X	9.301	9.301	0	%100
4	M4	Z	-5.37	-5.37	0	%100
5	M10	X	2.623	2.623	0	%100
6	M10	Z	-1.515	-1.515	0	%100
7	MP3A	X	8.285	8.285	0	%100
8	MP3A	Z	-4.783	-4.783	0	%100
9	MP4A	X	8.285	8.285	0	%100
10	MP4A	Z	-4.783	-4.783	0	%100
11	MP2A	X	8.285	8.285	0	%100
12	MP2A	Z	-4.783	-4.783	0	%100
13	MP1A	X	8.285	8.285	0	%100
14	MP1A	Z	-4.783	-4.783	0	%100
15	M43	X	2.623	2.623	0	%100
16	M43	Z	-1.515	-1.515	0	%100
17	M46	X	5.233	5.233	0	%100
18	M46	Z	-3.021	-3.021	0	%100
19	M51B	X	11.622	11.622	0	%100
20	M51B	Z	-6.71	-6.71	0	%100
21	M52B	X	2.906	2.906	0	%100
22	M52B	Z	-1.678	-1.678	0	%100
23	M76	X	15.698	15.698	0	%100
24	M76	Z	-9.063	-9.063	0	%100
25	M77	X	21.318	21.318	0	%100
26	M77	Z	-12.308	-12.308	0	%100
27	M80	X	22.453	22.453	0	%100
28	M80	Z	-12.964	-12.964	0	%100
29	M84	X	15.698	15.698	0	%100
30	M84	Z	-9.063	-9.063	0	%100
31	M85	X	5.329	5.329	0	%100
32	M85	Z	-3.077	-3.077	0	%100
33	M91	X	5.613	5.613	0	%100
34	M91	Z	-3.241	-3.241	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	10.493	10.493	0	%100
38	M53	Z	-6.058	-6.058	0	%100
39	M54	X	10.493	10.493	0	%100
40	M54	Z	-6.058	-6.058	0	%100
41	M55	X	20.93	20.93	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,%]
42	M55	Z	-12.084	-12.084	0	%100
43	M58A	X	2.906	2.906	0	%100
44	M58A	Z	-1.678	-1.678	0	%100
45	M59A	X	2.906	2.906	0	%100
46	M59A	Z	-1.678	-1.678	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	5.329	5.329	0	%100
50	M64	Z	-3.077	-3.077	0	%100
51	M66	X	5.613	5.613	0	%100
52	M66	Z	-3.241	-3.241	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	5.329	5.329	0	%100
56	M69	Z	-3.077	-3.077	0	%100
57	M71	X	5.613	5.613	0	%100
58	M71	Z	-3.241	-3.241	0	%100
59	M76A	X	9.301	9.301	0	%100
60	M76A	Z	-5.37	-5.37	0	%100
61	M77A	X	2.623	2.623	0	%100
62	M77A	Z	-1.515	-1.515	0	%100
63	M78	X	2.623	2.623	0	%100
64	M78	Z	-1.515	-1.515	0	%100
65	M79A	X	5.233	5.233	0	%100
66	M79A	Z	-3.021	-3.021	0	%100
67	M82	X	2.906	2.906	0	%100
68	M82	Z	-1.678	-1.678	0	%100
69	M83A	X	11.622	11.622	0	%100
70	M83A	Z	-6.71	-6.71	0	%100
71	M87	X	15.698	15.698	0	%100
72	M87	Z	-9.063	-9.063	0	%100
73	M88A	X	5.329	5.329	0	%100
74	M88A	Z	-3.077	-3.077	0	%100
75	M90	X	5.613	5.613	0	%100
76	M90	Z	-3.241	-3.241	0	%100
77	M92A	X	15.698	15.698	0	%100
78	M92A	Z	-9.063	-9.063	0	%100
79	M93	X	21.318	21.318	0	%100
80	M93	Z	-12.308	-12.308	0	%100
81	M95	X	22.453	22.453	0	%100
82	M95	Z	-12.964	-12.964	0	%100
83	M82A	X	12.034	12.034	0	%100
84	M82A	Z	-6.948	-6.948	0	%100
85	M91B	X	3.009	3.009	0	%100
86	M91B	Z	-1.737	-1.737	0	%100
87	MP3C	X	8.285	8.285	0	%100
88	MP3C	Z	-4.783	-4.783	0	%100
89	MP4C	X	8.285	8.285	0	%100
90	MP4C	Z	-4.783	-4.783	0	%100
91	MP2C	X	8.285	8.285	0	%100
92	MP2C	Z	-4.783	-4.783	0	%100
93	MP1C	X	8.285	8.285	0	%100
94	MP1C	Z	-4.783	-4.783	0	%100
95	MP3B	X	8.285	8.285	0	%100
96	MP3B	Z	-4.783	-4.783	0	%100
97	MP4B	X	8.285	8.285	0	%100
98	MP4B	Z	-4.783	-4.783	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, %]
99	MP2B	X	8.285	8.285	0	%100
100	MP2B	Z	-4.783	-4.783	0	%100
101	MP1B	X	8.285	8.285	0	%100
102	MP1B	Z	-4.783	-4.783	0	%100
103	M100	X	2.071	2.071	0	%100
104	M100	Z	-1.196	-1.196	0	%100
105	M105	X	8.285	8.285	0	%100
106	M105	Z	-4.783	-4.783	0	%100
107	M110	X	2.071	2.071	0	%100
108	M110	Z	-1.196	-1.196	0	%100
109	M121	X	10.058	10.058	0	%100
110	M121	Z	-5.807	-5.807	0	%100
111	M122	X	2.515	2.515	0	%100
112	M122	Z	-1.452	-1.452	0	%100
113	M123	X	2.515	2.515	0	%100
114	M123	Z	-1.452	-1.452	0	%100
115	OVPB	X	6.775	6.775	0	%100
116	OVPB	Z	-3.911	-3.911	0	%100
117	OVPA	X	6.775	6.775	0	%100
118	OVPA	Z	-3.911	-3.911	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	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M4	X	14.319	14.319	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	9.567	9.567	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	9.567	9.567	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	9.567	9.567	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	9.567	9.567	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	10.065	10.065	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	10.065	10.065	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	24.168	24.168	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	18.462	18.462	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	19.445	19.445	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	24.168	24.168	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	18.462	18.462	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	19.445	19.445	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,%]
34	M91	Z	0	0	0	%100
35	M52A	X	3.58	3.58	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	9.087	9.087	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	9.087	9.087	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	18.126	18.126	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	10.065	10.065	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	6.042	6.042	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	18.462	18.462	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	19.445	19.445	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	6.042	6.042	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	3.58	3.58	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	9.087	9.087	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	9.087	9.087	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	18.126	18.126	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	10.065	10.065	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	6.042	6.042	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	6.042	6.042	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	18.462	18.462	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	19.445	19.445	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	10.422	10.422	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	10.422	10.422	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	9.567	9.567	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	9.567	9.567	0	%100
90	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP2C	X	9.567	9.567	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	9.567	9.567	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	9.567	9.567	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	9.567	9.567	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	9.567	9.567	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	9.567	9.567	0	%100
102	MP1B	Z	0	0	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	0	0	0	%100
105	M105	X	7.175	7.175	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	7.175	7.175	0	%100
108	M110	Z	0	0	0	%100
109	M121	X	8.711	8.711	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	8.711	8.711	0	%100
114	M123	Z	0	0	0	%100
115	OVPB	X	7.823	7.823	0	%100
116	OVPB	Z	0	0	0	%100
117	OVPA	X	7.823	7.823	0	%100
118	OVPA	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	FACE	X	3.009	3.009	0	%100
2	FACE	Z	1.737	1.737	0	%100
3	M4	X	9.301	9.301	0	%100
4	M4	Z	5.37	5.37	0	%100
5	M10	X	2.623	2.623	0	%100
6	M10	Z	1.515	1.515	0	%100
7	MP3A	X	8.285	8.285	0	%100
8	MP3A	Z	4.783	4.783	0	%100
9	MP4A	X	8.285	8.285	0	%100
10	MP4A	Z	4.783	4.783	0	%100
11	MP2A	X	8.285	8.285	0	%100
12	MP2A	Z	4.783	4.783	0	%100
13	MP1A	X	8.285	8.285	0	%100
14	MP1A	Z	4.783	4.783	0	%100
15	M43	X	2.623	2.623	0	%100
16	M43	Z	1.515	1.515	0	%100
17	M46	X	5.233	5.233	0	%100
18	M46	Z	3.021	3.021	0	%100
19	M51B	X	2.906	2.906	0	%100
20	M51B	Z	1.678	1.678	0	%100
21	M52B	X	11.622	11.622	0	%100
22	M52B	Z	6.71	6.71	0	%100
23	M76	X	15.698	15.698	0	%100
24	M76	Z	9.063	9.063	0	%100
25	M77	X	5.329	5.329	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, %]
26	M77	Z	3.077	3.077	0	%100
27	M80	X	5.613	5.613	0	%100
28	M80	Z	3.241	3.241	0	%100
29	M84	X	15.698	15.698	0	%100
30	M84	Z	9.063	9.063	0	%100
31	M85	X	21.318	21.318	0	%100
32	M85	Z	12.308	12.308	0	%100
33	M91	X	22.453	22.453	0	%100
34	M91	Z	12.964	12.964	0	%100
35	M52A	X	9.301	9.301	0	%100
36	M52A	Z	5.37	5.37	0	%100
37	M53	X	2.623	2.623	0	%100
38	M53	Z	1.515	1.515	0	%100
39	M54	X	2.623	2.623	0	%100
40	M54	Z	1.515	1.515	0	%100
41	M55	X	5.233	5.233	0	%100
42	M55	Z	3.021	3.021	0	%100
43	M58A	X	11.622	11.622	0	%100
44	M58A	Z	6.71	6.71	0	%100
45	M59A	X	2.906	2.906	0	%100
46	M59A	Z	1.678	1.678	0	%100
47	M63	X	15.698	15.698	0	%100
48	M63	Z	9.063	9.063	0	%100
49	M64	X	21.318	21.318	0	%100
50	M64	Z	12.308	12.308	0	%100
51	M66	X	22.453	22.453	0	%100
52	M66	Z	12.964	12.964	0	%100
53	M68	X	15.698	15.698	0	%100
54	M68	Z	9.063	9.063	0	%100
55	M69	X	5.329	5.329	0	%100
56	M69	Z	3.077	3.077	0	%100
57	M71	X	5.613	5.613	0	%100
58	M71	Z	3.241	3.241	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	10.493	10.493	0	%100
62	M77A	Z	6.058	6.058	0	%100
63	M78	X	10.493	10.493	0	%100
64	M78	Z	6.058	6.058	0	%100
65	M79A	X	20.93	20.93	0	%100
66	M79A	Z	12.084	12.084	0	%100
67	M82	X	2.906	2.906	0	%100
68	M82	Z	1.678	1.678	0	%100
69	M83A	X	2.906	2.906	0	%100
70	M83A	Z	1.678	1.678	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	5.329	5.329	0	%100
74	M88A	Z	3.077	3.077	0	%100
75	M90	X	5.613	5.613	0	%100
76	M90	Z	3.241	3.241	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	5.329	5.329	0	%100
80	M93	Z	3.077	3.077	0	%100
81	M95	X	5.613	5.613	0	%100
82	M95	Z	3.241	3.241	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, %]
83	M82A	X	3.009	3.009	0	%100
84	M82A	Z	1.737	1.737	0	%100
85	M91B	X	12.034	12.034	0	%100
86	M91B	Z	6.948	6.948	0	%100
87	MP3C	X	8.285	8.285	0	%100
88	MP3C	Z	4.783	4.783	0	%100
89	MP4C	X	8.285	8.285	0	%100
90	MP4C	Z	4.783	4.783	0	%100
91	MP2C	X	8.285	8.285	0	%100
92	MP2C	Z	4.783	4.783	0	%100
93	MP1C	X	8.285	8.285	0	%100
94	MP1C	Z	4.783	4.783	0	%100
95	MP3B	X	8.285	8.285	0	%100
96	MP3B	Z	4.783	4.783	0	%100
97	MP4B	X	8.285	8.285	0	%100
98	MP4B	Z	4.783	4.783	0	%100
99	MP2B	X	8.285	8.285	0	%100
100	MP2B	Z	4.783	4.783	0	%100
101	MP1B	X	8.285	8.285	0	%100
102	MP1B	Z	4.783	4.783	0	%100
103	M100	X	2.071	2.071	0	%100
104	M100	Z	1.196	1.196	0	%100
105	M105	X	2.071	2.071	0	%100
106	M105	Z	1.196	1.196	0	%100
107	M110	X	8.285	8.285	0	%100
108	M110	Z	4.783	4.783	0	%100
109	M121	X	2.515	2.515	0	%100
110	M121	Z	1.452	1.452	0	%100
111	M122	X	2.515	2.515	0	%100
112	M122	Z	1.452	1.452	0	%100
113	M123	X	10.058	10.058	0	%100
114	M123	Z	5.807	5.807	0	%100
115	OVPB	X	6.775	6.775	0	%100
116	OVPB	Z	3.911	3.911	0	%100
117	OVPA	X	6.775	6.775	0	%100
118	OVPA	Z	3.911	3.911	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	FACE	X	5.211	5.211	0	%100
2	FACE	Z	9.026	9.026	0	%100
3	M4	X	1.79	1.79	0	%100
4	M4	Z	3.1	3.1	0	%100
5	M10	X	4.544	4.544	0	%100
6	M10	Z	7.87	7.87	0	%100
7	MP3A	X	4.783	4.783	0	%100
8	MP3A	Z	8.285	8.285	0	%100
9	MP4A	X	4.783	4.783	0	%100
10	MP4A	Z	8.285	8.285	0	%100
11	MP2A	X	4.783	4.783	0	%100
12	MP2A	Z	8.285	8.285	0	%100
13	MP1A	X	4.783	4.783	0	%100
14	MP1A	Z	8.285	8.285	0	%100
15	M43	X	4.544	4.544	0	%100
16	M43	Z	7.87	7.87	0	%100
17	M46	X	9.063	9.063	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	M46	Z	15.698	15.698	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	5.033	5.033	0	%100
22	M52B	Z	8.717	8.717	0	%100
23	M76	X	3.021	3.021	0	%100
24	M76	Z	5.233	5.233	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	3.021	3.021	0	%100
30	M84	Z	5.233	5.233	0	%100
31	M85	X	9.231	9.231	0	%100
32	M85	Z	15.988	15.988	0	%100
33	M91	X	9.723	9.723	0	%100
34	M91	Z	16.84	16.84	0	%100
35	M52A	X	7.16	7.16	0	%100
36	M52A	Z	12.401	12.401	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	5.033	5.033	0	%100
44	M58A	Z	8.717	8.717	0	%100
45	M59A	X	5.033	5.033	0	%100
46	M59A	Z	8.717	8.717	0	%100
47	M63	X	12.084	12.084	0	%100
48	M63	Z	20.93	20.93	0	%100
49	M64	X	9.231	9.231	0	%100
50	M64	Z	15.988	15.988	0	%100
51	M66	X	9.723	9.723	0	%100
52	M66	Z	16.84	16.84	0	%100
53	M68	X	12.084	12.084	0	%100
54	M68	Z	20.93	20.93	0	%100
55	M69	X	9.231	9.231	0	%100
56	M69	Z	15.988	15.988	0	%100
57	M71	X	9.723	9.723	0	%100
58	M71	Z	16.84	16.84	0	%100
59	M76A	X	1.79	1.79	0	%100
60	M76A	Z	3.1	3.1	0	%100
61	M77A	X	4.544	4.544	0	%100
62	M77A	Z	7.87	7.87	0	%100
63	M78	X	4.544	4.544	0	%100
64	M78	Z	7.87	7.87	0	%100
65	M79A	X	9.063	9.063	0	%100
66	M79A	Z	15.698	15.698	0	%100
67	M82	X	5.033	5.033	0	%100
68	M82	Z	8.717	8.717	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	3.021	3.021	0	%100
72	M87	Z	5.233	5.233	0	%100
73	M88A	X	9.231	9.231	0	%100
74	M88A	Z	15.988	15.988	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, %]
75	M90	X	9.723	9.723	0	%100
76	M90	Z	16.84	16.84	0	%100
77	M92A	X	3.021	3.021	0	%100
78	M92A	Z	5.233	5.233	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	5.211	5.211	0	%100
86	M91B	Z	9.026	9.026	0	%100
87	MP3C	X	4.783	4.783	0	%100
88	MP3C	Z	8.285	8.285	0	%100
89	MP4C	X	4.783	4.783	0	%100
90	MP4C	Z	8.285	8.285	0	%100
91	MP2C	X	4.783	4.783	0	%100
92	MP2C	Z	8.285	8.285	0	%100
93	MP1C	X	4.783	4.783	0	%100
94	MP1C	Z	8.285	8.285	0	%100
95	MP3B	X	4.783	4.783	0	%100
96	MP3B	Z	8.285	8.285	0	%100
97	MP4B	X	4.783	4.783	0	%100
98	MP4B	Z	8.285	8.285	0	%100
99	MP2B	X	4.783	4.783	0	%100
100	MP2B	Z	8.285	8.285	0	%100
101	MP1B	X	4.783	4.783	0	%100
102	MP1B	Z	8.285	8.285	0	%100
103	M100	X	3.587	3.587	0	%100
104	M100	Z	6.214	6.214	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	3.587	3.587	0	%100
108	M110	Z	6.214	6.214	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	4.355	4.355	0	%100
112	M122	Z	7.544	7.544	0	%100
113	M123	X	4.355	4.355	0	%100
114	M123	Z	7.544	7.544	0	%100
115	OVPB	X	3.911	3.911	0	%100
116	OVPB	Z	6.775	6.775	0	%100
117	OVPA	X	3.911	3.911	0	%100
118	OVPA	Z	6.775	6.775	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	FACE	X	0	0	0	%100
2	FACE	Z	13.896	13.896	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	12.117	12.117	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	9.567	9.567	0	%100
9	MP4A	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,%]
10	MP4A	Z	9.567	9.567	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	9.567	9.567	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	9.567	9.567	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	12.117	12.117	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	24.168	24.168	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	3.355	3.355	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	3.355	3.355	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	6.154	6.154	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	6.482	6.482	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	6.154	6.154	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	6.482	6.482	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	10.74	10.74	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	3.029	3.029	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	3.029	3.029	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	6.042	6.042	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	3.355	3.355	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	13.42	13.42	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	18.126	18.126	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	6.154	6.154	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	6.482	6.482	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	18.126	18.126	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	24.616	24.616	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	25.927	25.927	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	10.74	10.74	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	3.029	3.029	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	3.029	3.029	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	6.042	6.042	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, %]
67	M82	X	0	0	0	%100
68	M82	Z	13.42	13.42	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	3.355	3.355	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	18.126	18.126	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	24.616	24.616	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	25.927	25.927	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	18.126	18.126	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	6.154	6.154	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	6.482	6.482	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	3.474	3.474	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	3.474	3.474	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	9.567	9.567	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	9.567	9.567	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	9.567	9.567	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	9.567	9.567	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	9.567	9.567	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	9.567	9.567	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	9.567	9.567	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	9.567	9.567	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	9.567	9.567	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	2.392	2.392	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	2.392	2.392	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	2.904	2.904	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	11.614	11.614	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	2.904	2.904	0	%100
115	OVPB	X	0	0	0	%100
116	OVPB	Z	7.823	7.823	0	%100
117	OVPA	X	0	0	0	%100
118	OVPA	Z	7.823	7.823	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	FACE	X	-5.211	-5.211	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,%]
2	FACE	Z	9.026	9.026	0	%100
3	M4	X	-1.79	-1.79	0	%100
4	M4	Z	3.1	3.1	0	%100
5	M10	X	-4.544	-4.544	0	%100
6	M10	Z	7.87	7.87	0	%100
7	MP3A	X	-4.783	-4.783	0	%100
8	MP3A	Z	8.285	8.285	0	%100
9	MP4A	X	-4.783	-4.783	0	%100
10	MP4A	Z	8.285	8.285	0	%100
11	MP2A	X	-4.783	-4.783	0	%100
12	MP2A	Z	8.285	8.285	0	%100
13	MP1A	X	-4.783	-4.783	0	%100
14	MP1A	Z	8.285	8.285	0	%100
15	M43	X	-4.544	-4.544	0	%100
16	M43	Z	7.87	7.87	0	%100
17	M46	X	-9.063	-9.063	0	%100
18	M46	Z	15.698	15.698	0	%100
19	M51B	X	-5.033	-5.033	0	%100
20	M51B	Z	8.717	8.717	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-3.021	-3.021	0	%100
24	M76	Z	5.233	5.233	0	%100
25	M77	X	-9.231	-9.231	0	%100
26	M77	Z	15.988	15.988	0	%100
27	M80	X	-9.723	-9.723	0	%100
28	M80	Z	16.84	16.84	0	%100
29	M84	X	-3.021	-3.021	0	%100
30	M84	Z	5.233	5.233	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-1.79	-1.79	0	%100
36	M52A	Z	3.1	3.1	0	%100
37	M53	X	-4.544	-4.544	0	%100
38	M53	Z	7.87	7.87	0	%100
39	M54	X	-4.544	-4.544	0	%100
40	M54	Z	7.87	7.87	0	%100
41	M55	X	-9.063	-9.063	0	%100
42	M55	Z	15.698	15.698	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-5.033	-5.033	0	%100
46	M59A	Z	8.717	8.717	0	%100
47	M63	X	-3.021	-3.021	0	%100
48	M63	Z	5.233	5.233	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-3.021	-3.021	0	%100
54	M68	Z	5.233	5.233	0	%100
55	M69	X	-9.231	-9.231	0	%100
56	M69	Z	15.988	15.988	0	%100
57	M71	X	-9.723	-9.723	0	%100
58	M71	Z	16.84	16.84	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, %]
59	M76A	X	-7.16	-7.16	0	%100
60	M76A	Z	12.401	12.401	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-5.033	-5.033	0	%100
68	M82	Z	8.717	8.717	0	%100
69	M83A	X	-5.033	-5.033	0	%100
70	M83A	Z	8.717	8.717	0	%100
71	M87	X	-12.084	-12.084	0	%100
72	M87	Z	20.93	20.93	0	%100
73	M88A	X	-9.231	-9.231	0	%100
74	M88A	Z	15.988	15.988	0	%100
75	M90	X	-9.723	-9.723	0	%100
76	M90	Z	16.84	16.84	0	%100
77	M92A	X	-12.084	-12.084	0	%100
78	M92A	Z	20.93	20.93	0	%100
79	M93	X	-9.231	-9.231	0	%100
80	M93	Z	15.988	15.988	0	%100
81	M95	X	-9.723	-9.723	0	%100
82	M95	Z	16.84	16.84	0	%100
83	M82A	X	-5.211	-5.211	0	%100
84	M82A	Z	9.026	9.026	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-4.783	-4.783	0	%100
88	MP3C	Z	8.285	8.285	0	%100
89	MP4C	X	-4.783	-4.783	0	%100
90	MP4C	Z	8.285	8.285	0	%100
91	MP2C	X	-4.783	-4.783	0	%100
92	MP2C	Z	8.285	8.285	0	%100
93	MP1C	X	-4.783	-4.783	0	%100
94	MP1C	Z	8.285	8.285	0	%100
95	MP3B	X	-4.783	-4.783	0	%100
96	MP3B	Z	8.285	8.285	0	%100
97	MP4B	X	-4.783	-4.783	0	%100
98	MP4B	Z	8.285	8.285	0	%100
99	MP2B	X	-4.783	-4.783	0	%100
100	MP2B	Z	8.285	8.285	0	%100
101	MP1B	X	-4.783	-4.783	0	%100
102	MP1B	Z	8.285	8.285	0	%100
103	M100	X	-3.587	-3.587	0	%100
104	M100	Z	6.214	6.214	0	%100
105	M105	X	-3.587	-3.587	0	%100
106	M105	Z	6.214	6.214	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	0	0	0	%100
109	M121	X	-4.355	-4.355	0	%100
110	M121	Z	7.544	7.544	0	%100
111	M122	X	-4.355	-4.355	0	%100
112	M122	Z	7.544	7.544	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100
115	OVPB	X	-3.911	-3.911	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, %]
116	OVPB	Z	6.775	6.775	0	%100
117	OVPA	X	-3.911	-3.911	0	%100
118	OVPA	Z	6.775	6.775	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	FACE	X	-3.009	-3.009	0	%100
2	FACE	Z	1.737	1.737	0	%100
3	M4	X	-9.301	-9.301	0	%100
4	M4	Z	5.37	5.37	0	%100
5	M10	X	-2.623	-2.623	0	%100
6	M10	Z	1.515	1.515	0	%100
7	MP3A	X	-8.285	-8.285	0	%100
8	MP3A	Z	4.783	4.783	0	%100
9	MP4A	X	-8.285	-8.285	0	%100
10	MP4A	Z	4.783	4.783	0	%100
11	MP2A	X	-8.285	-8.285	0	%100
12	MP2A	Z	4.783	4.783	0	%100
13	MP1A	X	-8.285	-8.285	0	%100
14	MP1A	Z	4.783	4.783	0	%100
15	M43	X	-2.623	-2.623	0	%100
16	M43	Z	1.515	1.515	0	%100
17	M46	X	-5.233	-5.233	0	%100
18	M46	Z	3.021	3.021	0	%100
19	M51B	X	-11.622	-11.622	0	%100
20	M51B	Z	6.71	6.71	0	%100
21	M52B	X	-2.906	-2.906	0	%100
22	M52B	Z	1.678	1.678	0	%100
23	M76	X	-15.698	-15.698	0	%100
24	M76	Z	9.063	9.063	0	%100
25	M77	X	-21.318	-21.318	0	%100
26	M77	Z	12.308	12.308	0	%100
27	M80	X	-22.453	-22.453	0	%100
28	M80	Z	12.964	12.964	0	%100
29	M84	X	-15.698	-15.698	0	%100
30	M84	Z	9.063	9.063	0	%100
31	M85	X	-5.329	-5.329	0	%100
32	M85	Z	3.077	3.077	0	%100
33	M91	X	-5.613	-5.613	0	%100
34	M91	Z	3.241	3.241	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-10.493	-10.493	0	%100
38	M53	Z	6.058	6.058	0	%100
39	M54	X	-10.493	-10.493	0	%100
40	M54	Z	6.058	6.058	0	%100
41	M55	X	-20.93	-20.93	0	%100
42	M55	Z	12.084	12.084	0	%100
43	M58A	X	-2.906	-2.906	0	%100
44	M58A	Z	1.678	1.678	0	%100
45	M59A	X	-2.906	-2.906	0	%100
46	M59A	Z	1.678	1.678	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-5.329	-5.329	0	%100
50	M64	Z	3.077	3.077	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, %]
51	M66	X	-5.613	-5.613	0	%100
52	M66	Z	3.241	3.241	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-5.329	-5.329	0	%100
56	M69	Z	3.077	3.077	0	%100
57	M71	X	-5.613	-5.613	0	%100
58	M71	Z	3.241	3.241	0	%100
59	M76A	X	-9.301	-9.301	0	%100
60	M76A	Z	5.37	5.37	0	%100
61	M77A	X	-2.623	-2.623	0	%100
62	M77A	Z	1.515	1.515	0	%100
63	M78	X	-2.623	-2.623	0	%100
64	M78	Z	1.515	1.515	0	%100
65	M79A	X	-5.233	-5.233	0	%100
66	M79A	Z	3.021	3.021	0	%100
67	M82	X	-2.906	-2.906	0	%100
68	M82	Z	1.678	1.678	0	%100
69	M83A	X	-11.622	-11.622	0	%100
70	M83A	Z	6.71	6.71	0	%100
71	M87	X	-15.698	-15.698	0	%100
72	M87	Z	9.063	9.063	0	%100
73	M88A	X	-5.329	-5.329	0	%100
74	M88A	Z	3.077	3.077	0	%100
75	M90	X	-5.613	-5.613	0	%100
76	M90	Z	3.241	3.241	0	%100
77	M92A	X	-15.698	-15.698	0	%100
78	M92A	Z	9.063	9.063	0	%100
79	M93	X	-21.318	-21.318	0	%100
80	M93	Z	12.308	12.308	0	%100
81	M95	X	-22.453	-22.453	0	%100
82	M95	Z	12.964	12.964	0	%100
83	M82A	X	-12.034	-12.034	0	%100
84	M82A	Z	6.948	6.948	0	%100
85	M91B	X	-3.009	-3.009	0	%100
86	M91B	Z	1.737	1.737	0	%100
87	MP3C	X	-8.285	-8.285	0	%100
88	MP3C	Z	4.783	4.783	0	%100
89	MP4C	X	-8.285	-8.285	0	%100
90	MP4C	Z	4.783	4.783	0	%100
91	MP2C	X	-8.285	-8.285	0	%100
92	MP2C	Z	4.783	4.783	0	%100
93	MP1C	X	-8.285	-8.285	0	%100
94	MP1C	Z	4.783	4.783	0	%100
95	MP3B	X	-8.285	-8.285	0	%100
96	MP3B	Z	4.783	4.783	0	%100
97	MP4B	X	-8.285	-8.285	0	%100
98	MP4B	Z	4.783	4.783	0	%100
99	MP2B	X	-8.285	-8.285	0	%100
100	MP2B	Z	4.783	4.783	0	%100
101	MP1B	X	-8.285	-8.285	0	%100
102	MP1B	Z	4.783	4.783	0	%100
103	M100	X	-2.071	-2.071	0	%100
104	M100	Z	1.196	1.196	0	%100
105	M105	X	-8.285	-8.285	0	%100
106	M105	Z	4.783	4.783	0	%100
107	M110	X	-2.071	-2.071	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, %]
108	M110	Z	1.196	1.196	0	%100
109	M121	X	-10.058	-10.058	0	%100
110	M121	Z	5.807	5.807	0	%100
111	M122	X	-2.515	-2.515	0	%100
112	M122	Z	1.452	1.452	0	%100
113	M123	X	-2.515	-2.515	0	%100
114	M123	Z	1.452	1.452	0	%100
115	OVPB	X	-6.775	-6.775	0	%100
116	OVPB	Z	3.911	3.911	0	%100
117	OVPA	X	-6.775	-6.775	0	%100
118	OVPA	Z	3.911	3.911	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	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M4	X	-14.319	-14.319	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-9.567	-9.567	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-9.567	-9.567	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-9.567	-9.567	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-9.567	-9.567	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-10.065	-10.065	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-10.065	-10.065	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-24.168	-24.168	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-18.462	-18.462	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-19.445	-19.445	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-24.168	-24.168	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-18.462	-18.462	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-19.445	-19.445	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-3.58	-3.58	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-9.087	-9.087	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-9.087	-9.087	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-18.126	-18.126	0	%100
42	M55	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
43	M58A	X	-10.065	-10.065	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-6.042	-6.042	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-18.462	-18.462	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-19.445	-19.445	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-6.042	-6.042	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	-3.58	-3.58	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-9.087	-9.087	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-9.087	-9.087	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-18.126	-18.126	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-10.065	-10.065	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-6.042	-6.042	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-6.042	-6.042	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-18.462	-18.462	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-19.445	-19.445	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-10.422	-10.422	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-10.422	-10.422	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-9.567	-9.567	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-9.567	-9.567	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	-9.567	-9.567	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-9.567	-9.567	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	-9.567	-9.567	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	-9.567	-9.567	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-9.567	-9.567	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, %]
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-9.567	-9.567	0	%100
102	MP1B	Z	0	0	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	0	0	0	%100
105	M105	X	-7.175	-7.175	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	-7.175	-7.175	0	%100
108	M110	Z	0	0	0	%100
109	M121	X	-8.711	-8.711	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	-8.711	-8.711	0	%100
114	M123	Z	0	0	0	%100
115	OVPB	X	-7.823	-7.823	0	%100
116	OVPB	Z	0	0	0	%100
117	OVPA	X	-7.823	-7.823	0	%100
118	OVPA	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	FACE	X	-3.009	-3.009	0	%100
2	FACE	Z	-1.737	-1.737	0	%100
3	M4	X	-9.301	-9.301	0	%100
4	M4	Z	-5.37	-5.37	0	%100
5	M10	X	-2.623	-2.623	0	%100
6	M10	Z	-1.515	-1.515	0	%100
7	MP3A	X	-8.285	-8.285	0	%100
8	MP3A	Z	-4.783	-4.783	0	%100
9	MP4A	X	-8.285	-8.285	0	%100
10	MP4A	Z	-4.783	-4.783	0	%100
11	MP2A	X	-8.285	-8.285	0	%100
12	MP2A	Z	-4.783	-4.783	0	%100
13	MP1A	X	-8.285	-8.285	0	%100
14	MP1A	Z	-4.783	-4.783	0	%100
15	M43	X	-2.623	-2.623	0	%100
16	M43	Z	-1.515	-1.515	0	%100
17	M46	X	-5.233	-5.233	0	%100
18	M46	Z	-3.021	-3.021	0	%100
19	M51B	X	-2.906	-2.906	0	%100
20	M51B	Z	-1.678	-1.678	0	%100
21	M52B	X	-11.622	-11.622	0	%100
22	M52B	Z	-6.71	-6.71	0	%100
23	M76	X	-15.698	-15.698	0	%100
24	M76	Z	-9.063	-9.063	0	%100
25	M77	X	-5.329	-5.329	0	%100
26	M77	Z	-3.077	-3.077	0	%100
27	M80	X	-5.613	-5.613	0	%100
28	M80	Z	-3.241	-3.241	0	%100
29	M84	X	-15.698	-15.698	0	%100
30	M84	Z	-9.063	-9.063	0	%100
31	M85	X	-21.318	-21.318	0	%100
32	M85	Z	-12.308	-12.308	0	%100
33	M91	X	-22.453	-22.453	0	%100
34	M91	Z	-12.964	-12.964	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, %]
35	M52A	X	-9.301	-9.301	0	%100
36	M52A	Z	-5.37	-5.37	0	%100
37	M53	X	-2.623	-2.623	0	%100
38	M53	Z	-1.515	-1.515	0	%100
39	M54	X	-2.623	-2.623	0	%100
40	M54	Z	-1.515	-1.515	0	%100
41	M55	X	-5.233	-5.233	0	%100
42	M55	Z	-3.021	-3.021	0	%100
43	M58A	X	-11.622	-11.622	0	%100
44	M58A	Z	-6.71	-6.71	0	%100
45	M59A	X	-2.906	-2.906	0	%100
46	M59A	Z	-1.678	-1.678	0	%100
47	M63	X	-15.698	-15.698	0	%100
48	M63	Z	-9.063	-9.063	0	%100
49	M64	X	-21.318	-21.318	0	%100
50	M64	Z	-12.308	-12.308	0	%100
51	M66	X	-22.453	-22.453	0	%100
52	M66	Z	-12.964	-12.964	0	%100
53	M68	X	-15.698	-15.698	0	%100
54	M68	Z	-9.063	-9.063	0	%100
55	M69	X	-5.329	-5.329	0	%100
56	M69	Z	-3.077	-3.077	0	%100
57	M71	X	-5.613	-5.613	0	%100
58	M71	Z	-3.241	-3.241	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-10.493	-10.493	0	%100
62	M77A	Z	-6.058	-6.058	0	%100
63	M78	X	-10.493	-10.493	0	%100
64	M78	Z	-6.058	-6.058	0	%100
65	M79A	X	-20.93	-20.93	0	%100
66	M79A	Z	-12.084	-12.084	0	%100
67	M82	X	-2.906	-2.906	0	%100
68	M82	Z	-1.678	-1.678	0	%100
69	M83A	X	-2.906	-2.906	0	%100
70	M83A	Z	-1.678	-1.678	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-5.329	-5.329	0	%100
74	M88A	Z	-3.077	-3.077	0	%100
75	M90	X	-5.613	-5.613	0	%100
76	M90	Z	-3.241	-3.241	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-5.329	-5.329	0	%100
80	M93	Z	-3.077	-3.077	0	%100
81	M95	X	-5.613	-5.613	0	%100
82	M95	Z	-3.241	-3.241	0	%100
83	M82A	X	-3.009	-3.009	0	%100
84	M82A	Z	-1.737	-1.737	0	%100
85	M91B	X	-12.034	-12.034	0	%100
86	M91B	Z	-6.948	-6.948	0	%100
87	MP3C	X	-8.285	-8.285	0	%100
88	MP3C	Z	-4.783	-4.783	0	%100
89	MP4C	X	-8.285	-8.285	0	%100
90	MP4C	Z	-4.783	-4.783	0	%100
91	MP2C	X	-8.285	-8.285	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, %]
92	MP2C	Z	-4.783	-4.783	0	%100
93	MP1C	X	-8.285	-8.285	0	%100
94	MP1C	Z	-4.783	-4.783	0	%100
95	MP3B	X	-8.285	-8.285	0	%100
96	MP3B	Z	-4.783	-4.783	0	%100
97	MP4B	X	-8.285	-8.285	0	%100
98	MP4B	Z	-4.783	-4.783	0	%100
99	MP2B	X	-8.285	-8.285	0	%100
100	MP2B	Z	-4.783	-4.783	0	%100
101	MP1B	X	-8.285	-8.285	0	%100
102	MP1B	Z	-4.783	-4.783	0	%100
103	M100	X	-2.071	-2.071	0	%100
104	M100	Z	-1.196	-1.196	0	%100
105	M105	X	-2.071	-2.071	0	%100
106	M105	Z	-1.196	-1.196	0	%100
107	M110	X	-8.285	-8.285	0	%100
108	M110	Z	-4.783	-4.783	0	%100
109	M121	X	-2.515	-2.515	0	%100
110	M121	Z	-1.452	-1.452	0	%100
111	M122	X	-2.515	-2.515	0	%100
112	M122	Z	-1.452	-1.452	0	%100
113	M123	X	-10.058	-10.058	0	%100
114	M123	Z	-5.807	-5.807	0	%100
115	OVPB	X	-6.775	-6.775	0	%100
116	OVPB	Z	-3.911	-3.911	0	%100
117	OVPA	X	-6.775	-6.775	0	%100
118	OVPA	Z	-3.911	-3.911	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	FACE	X	-5.211	-5.211	0	%100
2	FACE	Z	-9.026	-9.026	0	%100
3	M4	X	-1.79	-1.79	0	%100
4	M4	Z	-3.1	-3.1	0	%100
5	M10	X	-4.544	-4.544	0	%100
6	M10	Z	-7.87	-7.87	0	%100
7	MP3A	X	-4.783	-4.783	0	%100
8	MP3A	Z	-8.285	-8.285	0	%100
9	MP4A	X	-4.783	-4.783	0	%100
10	MP4A	Z	-8.285	-8.285	0	%100
11	MP2A	X	-4.783	-4.783	0	%100
12	MP2A	Z	-8.285	-8.285	0	%100
13	MP1A	X	-4.783	-4.783	0	%100
14	MP1A	Z	-8.285	-8.285	0	%100
15	M43	X	-4.544	-4.544	0	%100
16	M43	Z	-7.87	-7.87	0	%100
17	M46	X	-9.063	-9.063	0	%100
18	M46	Z	-15.698	-15.698	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-5.033	-5.033	0	%100
22	M52B	Z	-8.717	-8.717	0	%100
23	M76	X	-3.021	-3.021	0	%100
24	M76	Z	-5.233	-5.233	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-3.021	-3.021	0	%100
30	M84	Z	-5.233	-5.233	0	%100
31	M85	X	-9.231	-9.231	0	%100
32	M85	Z	-15.988	-15.988	0	%100
33	M91	X	-9.723	-9.723	0	%100
34	M91	Z	-16.84	-16.84	0	%100
35	M52A	X	-7.16	-7.16	0	%100
36	M52A	Z	-12.401	-12.401	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-5.033	-5.033	0	%100
44	M58A	Z	-8.717	-8.717	0	%100
45	M59A	X	-5.033	-5.033	0	%100
46	M59A	Z	-8.717	-8.717	0	%100
47	M63	X	-12.084	-12.084	0	%100
48	M63	Z	-20.93	-20.93	0	%100
49	M64	X	-9.231	-9.231	0	%100
50	M64	Z	-15.988	-15.988	0	%100
51	M66	X	-9.723	-9.723	0	%100
52	M66	Z	-16.84	-16.84	0	%100
53	M68	X	-12.084	-12.084	0	%100
54	M68	Z	-20.93	-20.93	0	%100
55	M69	X	-9.231	-9.231	0	%100
56	M69	Z	-15.988	-15.988	0	%100
57	M71	X	-9.723	-9.723	0	%100
58	M71	Z	-16.84	-16.84	0	%100
59	M76A	X	-1.79	-1.79	0	%100
60	M76A	Z	-3.1	-3.1	0	%100
61	M77A	X	-4.544	-4.544	0	%100
62	M77A	Z	-7.87	-7.87	0	%100
63	M78	X	-4.544	-4.544	0	%100
64	M78	Z	-7.87	-7.87	0	%100
65	M79A	X	-9.063	-9.063	0	%100
66	M79A	Z	-15.698	-15.698	0	%100
67	M82	X	-5.033	-5.033	0	%100
68	M82	Z	-8.717	-8.717	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-3.021	-3.021	0	%100
72	M87	Z	-5.233	-5.233	0	%100
73	M88A	X	-9.231	-9.231	0	%100
74	M88A	Z	-15.988	-15.988	0	%100
75	M90	X	-9.723	-9.723	0	%100
76	M90	Z	-16.84	-16.84	0	%100
77	M92A	X	-3.021	-3.021	0	%100
78	M92A	Z	-5.233	-5.233	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft, %]	End Location[ft, %]
84	M82A	Z	0	0	0	%100
85	M91B	X	-5.211	-5.211	0	%100
86	M91B	Z	-9.026	-9.026	0	%100
87	MP3C	X	-4.783	-4.783	0	%100
88	MP3C	Z	-8.285	-8.285	0	%100
89	MP4C	X	-4.783	-4.783	0	%100
90	MP4C	Z	-8.285	-8.285	0	%100
91	MP2C	X	-4.783	-4.783	0	%100
92	MP2C	Z	-8.285	-8.285	0	%100
93	MP1C	X	-4.783	-4.783	0	%100
94	MP1C	Z	-8.285	-8.285	0	%100
95	MP3B	X	-4.783	-4.783	0	%100
96	MP3B	Z	-8.285	-8.285	0	%100
97	MP4B	X	-4.783	-4.783	0	%100
98	MP4B	Z	-8.285	-8.285	0	%100
99	MP2B	X	-4.783	-4.783	0	%100
100	MP2B	Z	-8.285	-8.285	0	%100
101	MP1B	X	-4.783	-4.783	0	%100
102	MP1B	Z	-8.285	-8.285	0	%100
103	M100	X	-3.587	-3.587	0	%100
104	M100	Z	-6.214	-6.214	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	-3.587	-3.587	0	%100
108	M110	Z	-6.214	-6.214	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-4.355	-4.355	0	%100
112	M122	Z	-7.544	-7.544	0	%100
113	M123	X	-4.355	-4.355	0	%100
114	M123	Z	-7.544	-7.544	0	%100
115	OVPB	X	-3.911	-3.911	0	%100
116	OVPB	Z	-6.775	-6.775	0	%100
117	OVPA	X	-3.911	-3.911	0	%100
118	OVPA	Z	-6.775	-6.775	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	FACE	X	0	0	0	%100
2	FACE	Z	-5.227	-5.227	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-4.046	-4.046	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-4.342	-4.342	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-4.342	-4.342	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-4.342	-4.342	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-4.342	-4.342	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-4.046	-4.046	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-6.062	-6.062	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, %]
19	M51B	X	0	0	0	%100
20	M51B	Z	-1.146	-1.146	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-1.146	-1.146	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-1.524	-1.524	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-1.586	-1.586	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-1.524	-1.524	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-1.586	-1.586	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-3.693	-3.693	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-1.012	-1.012	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-1.012	-1.012	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-1.515	-1.515	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-1.146	-1.146	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-4.586	-4.586	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-4.508	-4.508	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-1.524	-1.524	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-1.586	-1.586	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-4.508	-4.508	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-6.094	-6.094	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	-6.342	-6.342	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-3.693	-3.693	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-1.012	-1.012	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-1.012	-1.012	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-1.515	-1.515	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-4.586	-4.586	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-1.146	-1.146	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-4.508	-4.508	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-6.094	-6.094	0	%100
75	M90	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
76	M90	Z	-6.342	-6.342	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-4.508	-4.508	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-1.524	-1.524	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-1.586	-1.586	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-1.307	-1.307	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-1.307	-1.307	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-4.342	-4.342	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-4.342	-4.342	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-4.342	-4.342	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-4.342	-4.342	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-4.342	-4.342	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-4.342	-4.342	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-4.342	-4.342	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-4.342	-4.342	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	-4.385	-4.385	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	-1.096	-1.096	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	-1.096	-1.096	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	-.947	-.947	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	-3.788	-3.788	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	-.947	-.947	0	%100
115	OVPB	X	0	0	0	%100
116	OVPB	Z	-3.353	-3.353	0	%100
117	OVPA	X	0	0	0	%100
118	OVPA	Z	-3.353	-3.353	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	FACE	X	1.96	1.96	0	%100
2	FACE	Z	-3.395	-3.395	0	%100
3	M4	X	.615	.615	0	%100
4	M4	Z	-1.066	-1.066	0	%100
5	M10	X	1.517	1.517	0	%100
6	M10	Z	-2.628	-2.628	0	%100
7	MP3A	X	2.171	2.171	0	%100
8	MP3A	Z	-3.76	-3.76	0	%100
9	MP4A	X	2.171	2.171	0	%100
10	MP4A	Z	-3.76	-3.76	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, %]
11	MP2A	X	2.171	2.171	0	%100
12	MP2A	Z	-3.76	-3.76	0	%100
13	MP1A	X	2.171	2.171	0	%100
14	MP1A	Z	-3.76	-3.76	0	%100
15	M43	X	1.517	1.517	0	%100
16	M43	Z	-2.628	-2.628	0	%100
17	M46	X	2.273	2.273	0	%100
18	M46	Z	-3.937	-3.937	0	%100
19	M51B	X	1.72	1.72	0	%100
20	M51B	Z	-2.978	-2.978	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.751	.751	0	%100
24	M76	Z	-1.301	-1.301	0	%100
25	M77	X	2.285	2.285	0	%100
26	M77	Z	-3.958	-3.958	0	%100
27	M80	X	2.378	2.378	0	%100
28	M80	Z	-4.12	-4.12	0	%100
29	M84	X	.751	.751	0	%100
30	M84	Z	-1.301	-1.301	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.615	.615	0	%100
36	M52A	Z	-1.066	-1.066	0	%100
37	M53	X	1.517	1.517	0	%100
38	M53	Z	-2.628	-2.628	0	%100
39	M54	X	1.517	1.517	0	%100
40	M54	Z	-2.628	-2.628	0	%100
41	M55	X	2.273	2.273	0	%100
42	M55	Z	-3.937	-3.937	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	1.72	1.72	0	%100
46	M59A	Z	-2.978	-2.978	0	%100
47	M63	X	.751	.751	0	%100
48	M63	Z	-1.301	-1.301	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.751	.751	0	%100
54	M68	Z	-1.301	-1.301	0	%100
55	M69	X	2.285	2.285	0	%100
56	M69	Z	-3.958	-3.958	0	%100
57	M71	X	2.378	2.378	0	%100
58	M71	Z	-4.12	-4.12	0	%100
59	M76A	X	2.462	2.462	0	%100
60	M76A	Z	-4.264	-4.264	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	1.72	1.72	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, %]
68	M82	Z	-2.978	-2.978	0	%100
69	M83A	X	1.72	1.72	0	%100
70	M83A	Z	-2.978	-2.978	0	%100
71	M87	X	3.006	3.006	0	%100
72	M87	Z	-5.206	-5.206	0	%100
73	M88A	X	2.285	2.285	0	%100
74	M88A	Z	-3.958	-3.958	0	%100
75	M90	X	2.378	2.378	0	%100
76	M90	Z	-4.12	-4.12	0	%100
77	M92A	X	3.006	3.006	0	%100
78	M92A	Z	-5.206	-5.206	0	%100
79	M93	X	2.285	2.285	0	%100
80	M93	Z	-3.958	-3.958	0	%100
81	M95	X	2.378	2.378	0	%100
82	M95	Z	-4.12	-4.12	0	%100
83	M82A	X	1.96	1.96	0	%100
84	M82A	Z	-3.395	-3.395	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	2.171	2.171	0	%100
88	MP3C	Z	-3.76	-3.76	0	%100
89	MP4C	X	2.171	2.171	0	%100
90	MP4C	Z	-3.76	-3.76	0	%100
91	MP2C	X	2.171	2.171	0	%100
92	MP2C	Z	-3.76	-3.76	0	%100
93	MP1C	X	2.171	2.171	0	%100
94	MP1C	Z	-3.76	-3.76	0	%100
95	MP3B	X	2.171	2.171	0	%100
96	MP3B	Z	-3.76	-3.76	0	%100
97	MP4B	X	2.171	2.171	0	%100
98	MP4B	Z	-3.76	-3.76	0	%100
99	MP2B	X	2.171	2.171	0	%100
100	MP2B	Z	-3.76	-3.76	0	%100
101	MP1B	X	2.171	2.171	0	%100
102	MP1B	Z	-3.76	-3.76	0	%100
103	M100	X	1.644	1.644	0	%100
104	M100	Z	-2.848	-2.848	0	%100
105	M105	X	1.644	1.644	0	%100
106	M105	Z	-2.848	-2.848	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	0	0	0	%100
109	M121	X	1.421	1.421	0	%100
110	M121	Z	-2.46	-2.46	0	%100
111	M122	X	1.421	1.421	0	%100
112	M122	Z	-2.46	-2.46	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100
115	OVPB	X	1.676	1.676	0	%100
116	OVPB	Z	-2.903	-2.903	0	%100
117	OVPA	X	1.676	1.676	0	%100
118	OVPA	Z	-2.903	-2.903	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	FACE	X	1.132	1.132	0	%100
2	FACE	Z	-0.653	-0.653	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, %]
3	M4	X	3.198	3.198	0	%100
4	M4	Z	-1.846	-1.846	0	%100
5	M10	X	.876	.876	0	%100
6	M10	Z	-.506	-.506	0	%100
7	MP3A	X	3.76	3.76	0	%100
8	MP3A	Z	-2.171	-2.171	0	%100
9	MP4A	X	3.76	3.76	0	%100
10	MP4A	Z	-2.171	-2.171	0	%100
11	MP2A	X	3.76	3.76	0	%100
12	MP2A	Z	-2.171	-2.171	0	%100
13	MP1A	X	3.76	3.76	0	%100
14	MP1A	Z	-2.171	-2.171	0	%100
15	M43	X	.876	.876	0	%100
16	M43	Z	-.506	-.506	0	%100
17	M46	X	1.312	1.312	0	%100
18	M46	Z	-.758	-.758	0	%100
19	M51B	X	3.971	3.971	0	%100
20	M51B	Z	-2.293	-2.293	0	%100
21	M52B	X	.993	.993	0	%100
22	M52B	Z	-.573	-.573	0	%100
23	M76	X	3.904	3.904	0	%100
24	M76	Z	-2.254	-2.254	0	%100
25	M77	X	5.278	5.278	0	%100
26	M77	Z	-3.047	-3.047	0	%100
27	M80	X	5.493	5.493	0	%100
28	M80	Z	-3.171	-3.171	0	%100
29	M84	X	3.904	3.904	0	%100
30	M84	Z	-2.254	-2.254	0	%100
31	M85	X	1.319	1.319	0	%100
32	M85	Z	-.762	-.762	0	%100
33	M91	X	1.373	1.373	0	%100
34	M91	Z	-.793	-.793	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	3.504	3.504	0	%100
38	M53	Z	-2.023	-2.023	0	%100
39	M54	X	3.504	3.504	0	%100
40	M54	Z	-2.023	-2.023	0	%100
41	M55	X	5.25	5.25	0	%100
42	M55	Z	-3.031	-3.031	0	%100
43	M58A	X	.993	.993	0	%100
44	M58A	Z	-.573	-.573	0	%100
45	M59A	X	.993	.993	0	%100
46	M59A	Z	-.573	-.573	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	1.319	1.319	0	%100
50	M64	Z	-.762	-.762	0	%100
51	M66	X	1.373	1.373	0	%100
52	M66	Z	-.793	-.793	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	1.319	1.319	0	%100
56	M69	Z	-.762	-.762	0	%100
57	M71	X	1.373	1.373	0	%100
58	M71	Z	-.793	-.793	0	%100
59	M76A	X	3.198	3.198	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,%]
60	M76A	Z	-1.846	-1.846	0	%100
61	M77A	X	.876	.876	0	%100
62	M77A	Z	-.506	-.506	0	%100
63	M78	X	.876	.876	0	%100
64	M78	Z	-.506	-.506	0	%100
65	M79A	X	1.312	1.312	0	%100
66	M79A	Z	-.758	-.758	0	%100
67	M82	X	.993	.993	0	%100
68	M82	Z	-.573	-.573	0	%100
69	M83A	X	3.971	3.971	0	%100
70	M83A	Z	-2.293	-2.293	0	%100
71	M87	X	3.904	3.904	0	%100
72	M87	Z	-2.254	-2.254	0	%100
73	M88A	X	1.319	1.319	0	%100
74	M88A	Z	-.762	-.762	0	%100
75	M90	X	1.373	1.373	0	%100
76	M90	Z	-.793	-.793	0	%100
77	M92A	X	3.904	3.904	0	%100
78	M92A	Z	-2.254	-2.254	0	%100
79	M93	X	5.278	5.278	0	%100
80	M93	Z	-3.047	-3.047	0	%100
81	M95	X	5.493	5.493	0	%100
82	M95	Z	-3.171	-3.171	0	%100
83	M82A	X	4.526	4.526	0	%100
84	M82A	Z	-2.613	-2.613	0	%100
85	M91B	X	1.132	1.132	0	%100
86	M91B	Z	-.653	-.653	0	%100
87	MP3C	X	3.76	3.76	0	%100
88	MP3C	Z	-2.171	-2.171	0	%100
89	MP4C	X	3.76	3.76	0	%100
90	MP4C	Z	-2.171	-2.171	0	%100
91	MP2C	X	3.76	3.76	0	%100
92	MP2C	Z	-2.171	-2.171	0	%100
93	MP1C	X	3.76	3.76	0	%100
94	MP1C	Z	-2.171	-2.171	0	%100
95	MP3B	X	3.76	3.76	0	%100
96	MP3B	Z	-2.171	-2.171	0	%100
97	MP4B	X	3.76	3.76	0	%100
98	MP4B	Z	-2.171	-2.171	0	%100
99	MP2B	X	3.76	3.76	0	%100
100	MP2B	Z	-2.171	-2.171	0	%100
101	MP1B	X	3.76	3.76	0	%100
102	MP1B	Z	-2.171	-2.171	0	%100
103	M100	X	.949	.949	0	%100
104	M100	Z	-.548	-.548	0	%100
105	M105	X	3.797	3.797	0	%100
106	M105	Z	-2.192	-2.192	0	%100
107	M110	X	.949	.949	0	%100
108	M110	Z	-.548	-.548	0	%100
109	M121	X	3.281	3.281	0	%100
110	M121	Z	-1.894	-1.894	0	%100
111	M122	X	.82	.82	0	%100
112	M122	Z	-.474	-.474	0	%100
113	M123	X	.82	.82	0	%100
114	M123	Z	-.474	-.474	0	%100
115	OVPB	X	2.903	2.903	0	%100
116	OVPB	Z	-1.676	-1.676	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, %]
117	OVPA	X	2.903	2.903	0	%100
118	OVPA	Z	-1.676	-1.676	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	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M4	X	4.923	4.923	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	4.342	4.342	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	4.342	4.342	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	4.342	4.342	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	4.342	4.342	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	3.439	3.439	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	3.439	3.439	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	6.011	6.011	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	4.571	4.571	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	4.757	4.757	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	6.011	6.011	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	4.571	4.571	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	4.757	4.757	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	1.231	1.231	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	3.035	3.035	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	3.035	3.035	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	4.546	4.546	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	3.439	3.439	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	1.503	1.503	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	4.571	4.571	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	4.757	4.757	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,%]
52	M66	Z	0	0	0	%100
53	M68	X	1.503	1.503	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	1.231	1.231	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	3.035	3.035	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	3.035	3.035	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	4.546	4.546	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	3.439	3.439	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	1.503	1.503	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	1.503	1.503	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	4.571	4.571	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	4.757	4.757	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	3.92	3.92	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	3.92	3.92	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	4.342	4.342	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	4.342	4.342	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	4.342	4.342	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	4.342	4.342	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	4.342	4.342	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	4.342	4.342	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	4.342	4.342	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	4.342	4.342	0	%100
102	MP1B	Z	0	0	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	0	0	0	%100
105	M105	X	3.288	3.288	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	3.288	3.288	0	%100
108	M110	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	M121	X	2.841	2.841	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	2.841	2.841	0	%100
114	M123	Z	0	0	0	%100
115	OVPB	X	3.353	3.353	0	%100
116	OVPB	Z	0	0	0	%100
117	OVPA	X	3.353	3.353	0	%100
118	OVPA	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	FACE	X	1.132	1.132	0	%100
2	FACE	Z	.653	.653	0	%100
3	M4	X	3.198	3.198	0	%100
4	M4	Z	1.846	1.846	0	%100
5	M10	X	.876	.876	0	%100
6	M10	Z	.506	.506	0	%100
7	MP3A	X	3.76	3.76	0	%100
8	MP3A	Z	2.171	2.171	0	%100
9	MP4A	X	3.76	3.76	0	%100
10	MP4A	Z	2.171	2.171	0	%100
11	MP2A	X	3.76	3.76	0	%100
12	MP2A	Z	2.171	2.171	0	%100
13	MP1A	X	3.76	3.76	0	%100
14	MP1A	Z	2.171	2.171	0	%100
15	M43	X	.876	.876	0	%100
16	M43	Z	.506	.506	0	%100
17	M46	X	1.312	1.312	0	%100
18	M46	Z	.758	.758	0	%100
19	M51B	X	.993	.993	0	%100
20	M51B	Z	.573	.573	0	%100
21	M52B	X	3.971	3.971	0	%100
22	M52B	Z	2.293	2.293	0	%100
23	M76	X	3.904	3.904	0	%100
24	M76	Z	2.254	2.254	0	%100
25	M77	X	1.319	1.319	0	%100
26	M77	Z	.762	.762	0	%100
27	M80	X	1.373	1.373	0	%100
28	M80	Z	.793	.793	0	%100
29	M84	X	3.904	3.904	0	%100
30	M84	Z	2.254	2.254	0	%100
31	M85	X	5.278	5.278	0	%100
32	M85	Z	3.047	3.047	0	%100
33	M91	X	5.493	5.493	0	%100
34	M91	Z	3.171	3.171	0	%100
35	M52A	X	3.198	3.198	0	%100
36	M52A	Z	1.846	1.846	0	%100
37	M53	X	.876	.876	0	%100
38	M53	Z	.506	.506	0	%100
39	M54	X	.876	.876	0	%100
40	M54	Z	.506	.506	0	%100
41	M55	X	1.312	1.312	0	%100
42	M55	Z	.758	.758	0	%100
43	M58A	X	3.971	3.971	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,%]
44	M58A	Z	2.293	2.293	0	%100
45	M59A	X	.993	.993	0	%100
46	M59A	Z	.573	.573	0	%100
47	M63	X	3.904	3.904	0	%100
48	M63	Z	2.254	2.254	0	%100
49	M64	X	5.278	5.278	0	%100
50	M64	Z	3.047	3.047	0	%100
51	M66	X	5.493	5.493	0	%100
52	M66	Z	3.171	3.171	0	%100
53	M68	X	3.904	3.904	0	%100
54	M68	Z	2.254	2.254	0	%100
55	M69	X	1.319	1.319	0	%100
56	M69	Z	.762	.762	0	%100
57	M71	X	1.373	1.373	0	%100
58	M71	Z	.793	.793	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	3.504	3.504	0	%100
62	M77A	Z	2.023	2.023	0	%100
63	M78	X	3.504	3.504	0	%100
64	M78	Z	2.023	2.023	0	%100
65	M79A	X	5.25	5.25	0	%100
66	M79A	Z	3.031	3.031	0	%100
67	M82	X	.993	.993	0	%100
68	M82	Z	.573	.573	0	%100
69	M83A	X	.993	.993	0	%100
70	M83A	Z	.573	.573	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	1.319	1.319	0	%100
74	M88A	Z	.762	.762	0	%100
75	M90	X	1.373	1.373	0	%100
76	M90	Z	.793	.793	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	1.319	1.319	0	%100
80	M93	Z	.762	.762	0	%100
81	M95	X	1.373	1.373	0	%100
82	M95	Z	.793	.793	0	%100
83	M82A	X	1.132	1.132	0	%100
84	M82A	Z	.653	.653	0	%100
85	M91B	X	4.526	4.526	0	%100
86	M91B	Z	2.613	2.613	0	%100
87	MP3C	X	3.76	3.76	0	%100
88	MP3C	Z	2.171	2.171	0	%100
89	MP4C	X	3.76	3.76	0	%100
90	MP4C	Z	2.171	2.171	0	%100
91	MP2C	X	3.76	3.76	0	%100
92	MP2C	Z	2.171	2.171	0	%100
93	MP1C	X	3.76	3.76	0	%100
94	MP1C	Z	2.171	2.171	0	%100
95	MP3B	X	3.76	3.76	0	%100
96	MP3B	Z	2.171	2.171	0	%100
97	MP4B	X	3.76	3.76	0	%100
98	MP4B	Z	2.171	2.171	0	%100
99	MP2B	X	3.76	3.76	0	%100
100	MP2B	Z	2.171	2.171	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, %]
101	MP1B	X	3.76	3.76	0	%100
102	MP1B	Z	2.171	2.171	0	%100
103	M100	X	.949	.949	0	%100
104	M100	Z	.548	.548	0	%100
105	M105	X	.949	.949	0	%100
106	M105	Z	.548	.548	0	%100
107	M110	X	3.797	3.797	0	%100
108	M110	Z	2.192	2.192	0	%100
109	M121	X	.82	.82	0	%100
110	M121	Z	.474	.474	0	%100
111	M122	X	.82	.82	0	%100
112	M122	Z	.474	.474	0	%100
113	M123	X	3.281	3.281	0	%100
114	M123	Z	1.894	1.894	0	%100
115	OVPB	X	2.903	2.903	0	%100
116	OVPB	Z	1.676	1.676	0	%100
117	OVPA	X	2.903	2.903	0	%100
118	OVPA	Z	1.676	1.676	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	FACE	X	1.96	1.96	0	%100
2	FACE	Z	3.395	3.395	0	%100
3	M4	X	.615	.615	0	%100
4	M4	Z	1.066	1.066	0	%100
5	M10	X	1.517	1.517	0	%100
6	M10	Z	2.628	2.628	0	%100
7	MP3A	X	2.171	2.171	0	%100
8	MP3A	Z	3.76	3.76	0	%100
9	MP4A	X	2.171	2.171	0	%100
10	MP4A	Z	3.76	3.76	0	%100
11	MP2A	X	2.171	2.171	0	%100
12	MP2A	Z	3.76	3.76	0	%100
13	MP1A	X	2.171	2.171	0	%100
14	MP1A	Z	3.76	3.76	0	%100
15	M43	X	1.517	1.517	0	%100
16	M43	Z	2.628	2.628	0	%100
17	M46	X	2.273	2.273	0	%100
18	M46	Z	3.937	3.937	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	1.72	1.72	0	%100
22	M52B	Z	2.978	2.978	0	%100
23	M76	X	.751	.751	0	%100
24	M76	Z	1.301	1.301	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.751	.751	0	%100
30	M84	Z	1.301	1.301	0	%100
31	M85	X	2.285	2.285	0	%100
32	M85	Z	3.958	3.958	0	%100
33	M91	X	2.378	2.378	0	%100
34	M91	Z	4.12	4.12	0	%100
35	M52A	X	2.462	2.462	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,%]
36	M52A	Z	4.264	4.264	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	1.72	1.72	0	%100
44	M58A	Z	2.978	2.978	0	%100
45	M59A	X	1.72	1.72	0	%100
46	M59A	Z	2.978	2.978	0	%100
47	M63	X	3.006	3.006	0	%100
48	M63	Z	5.206	5.206	0	%100
49	M64	X	2.285	2.285	0	%100
50	M64	Z	3.958	3.958	0	%100
51	M66	X	2.378	2.378	0	%100
52	M66	Z	4.12	4.12	0	%100
53	M68	X	3.006	3.006	0	%100
54	M68	Z	5.206	5.206	0	%100
55	M69	X	2.285	2.285	0	%100
56	M69	Z	3.958	3.958	0	%100
57	M71	X	2.378	2.378	0	%100
58	M71	Z	4.12	4.12	0	%100
59	M76A	X	.615	.615	0	%100
60	M76A	Z	1.066	1.066	0	%100
61	M77A	X	1.517	1.517	0	%100
62	M77A	Z	2.628	2.628	0	%100
63	M78	X	1.517	1.517	0	%100
64	M78	Z	2.628	2.628	0	%100
65	M79A	X	2.273	2.273	0	%100
66	M79A	Z	3.937	3.937	0	%100
67	M82	X	1.72	1.72	0	%100
68	M82	Z	2.978	2.978	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.751	.751	0	%100
72	M87	Z	1.301	1.301	0	%100
73	M88A	X	2.285	2.285	0	%100
74	M88A	Z	3.958	3.958	0	%100
75	M90	X	2.378	2.378	0	%100
76	M90	Z	4.12	4.12	0	%100
77	M92A	X	.751	.751	0	%100
78	M92A	Z	1.301	1.301	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	1.96	1.96	0	%100
86	M91B	Z	3.395	3.395	0	%100
87	MP3C	X	2.171	2.171	0	%100
88	MP3C	Z	3.76	3.76	0	%100
89	MP4C	X	2.171	2.171	0	%100
90	MP4C	Z	3.76	3.76	0	%100
91	MP2C	X	2.171	2.171	0	%100
92	MP2C	Z	3.76	3.76	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, %]
93	MP1C	X	2.171	2.171	0	%100
94	MP1C	Z	3.76	3.76	0	%100
95	MP3B	X	2.171	2.171	0	%100
96	MP3B	Z	3.76	3.76	0	%100
97	MP4B	X	2.171	2.171	0	%100
98	MP4B	Z	3.76	3.76	0	%100
99	MP2B	X	2.171	2.171	0	%100
100	MP2B	Z	3.76	3.76	0	%100
101	MP1B	X	2.171	2.171	0	%100
102	MP1B	Z	3.76	3.76	0	%100
103	M100	X	1.644	1.644	0	%100
104	M100	Z	2.848	2.848	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	1.644	1.644	0	%100
108	M110	Z	2.848	2.848	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	1.421	1.421	0	%100
112	M122	Z	2.46	2.46	0	%100
113	M123	X	1.421	1.421	0	%100
114	M123	Z	2.46	2.46	0	%100
115	OVPB	X	1.676	1.676	0	%100
116	OVPB	Z	2.903	2.903	0	%100
117	OVPA	X	1.676	1.676	0	%100
118	OVPA	Z	2.903	2.903	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	FACE	X	0	0	0	%100
2	FACE	Z	5.227	5.227	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	4.046	4.046	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	4.342	4.342	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	4.342	4.342	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	4.342	4.342	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	4.342	4.342	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	4.046	4.046	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	6.062	6.062	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	1.146	1.146	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	1.146	1.146	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	1.524	1.524	0	%100
27	M80	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M80	Z	1.586	1.586	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	1.524	1.524	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	1.586	1.586	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	3.693	3.693	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	1.012	1.012	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	1.012	1.012	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	1.515	1.515	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	1.146	1.146	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	4.586	4.586	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	4.508	4.508	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	1.524	1.524	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	1.586	1.586	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	4.508	4.508	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	6.094	6.094	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	6.342	6.342	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	3.693	3.693	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	1.012	1.012	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	1.012	1.012	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	1.515	1.515	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	4.586	4.586	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	1.146	1.146	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	4.508	4.508	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	6.094	6.094	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	6.342	6.342	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	4.508	4.508	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	1.524	1.524	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	1.586	1.586	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	1.307	1.307	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, %]
85	M91B	X	0	0	0	%100
86	M91B	Z	1.307	1.307	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	4.342	4.342	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	4.342	4.342	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	4.342	4.342	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	4.342	4.342	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	4.342	4.342	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	4.342	4.342	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	4.342	4.342	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	4.342	4.342	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	4.385	4.385	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	1.096	1.096	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	1.096	1.096	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	.947	.947	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	3.788	3.788	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	.947	.947	0	%100
115	OVPB	X	0	0	0	%100
116	OVPB	Z	3.353	3.353	0	%100
117	OVPA	X	0	0	0	%100
118	OVPA	Z	3.353	3.353	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	FACE	X	-1.96	-1.96	0	%100
2	FACE	Z	3.395	3.395	0	%100
3	M4	X	-.615	-.615	0	%100
4	M4	Z	1.066	1.066	0	%100
5	M10	X	-1.517	-1.517	0	%100
6	M10	Z	2.628	2.628	0	%100
7	MP3A	X	-2.171	-2.171	0	%100
8	MP3A	Z	3.76	3.76	0	%100
9	MP4A	X	-2.171	-2.171	0	%100
10	MP4A	Z	3.76	3.76	0	%100
11	MP2A	X	-2.171	-2.171	0	%100
12	MP2A	Z	3.76	3.76	0	%100
13	MP1A	X	-2.171	-2.171	0	%100
14	MP1A	Z	3.76	3.76	0	%100
15	M43	X	-1.517	-1.517	0	%100
16	M43	Z	2.628	2.628	0	%100
17	M46	X	-2.273	-2.273	0	%100
18	M46	Z	3.937	3.937	0	%100
19	M51B	X	-1.72	-1.72	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,%]
20	M51B	Z	2.978	2.978	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-7.51	-7.51	0	%100
24	M76	Z	1.301	1.301	0	%100
25	M77	X	-2.285	-2.285	0	%100
26	M77	Z	3.958	3.958	0	%100
27	M80	X	-2.378	-2.378	0	%100
28	M80	Z	4.12	4.12	0	%100
29	M84	X	-7.51	-7.51	0	%100
30	M84	Z	1.301	1.301	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-6.15	-6.15	0	%100
36	M52A	Z	1.066	1.066	0	%100
37	M53	X	-1.517	-1.517	0	%100
38	M53	Z	2.628	2.628	0	%100
39	M54	X	-1.517	-1.517	0	%100
40	M54	Z	2.628	2.628	0	%100
41	M55	X	-2.273	-2.273	0	%100
42	M55	Z	3.937	3.937	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-1.72	-1.72	0	%100
46	M59A	Z	2.978	2.978	0	%100
47	M63	X	-7.51	-7.51	0	%100
48	M63	Z	1.301	1.301	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-7.51	-7.51	0	%100
54	M68	Z	1.301	1.301	0	%100
55	M69	X	-2.285	-2.285	0	%100
56	M69	Z	3.958	3.958	0	%100
57	M71	X	-2.378	-2.378	0	%100
58	M71	Z	4.12	4.12	0	%100
59	M76A	X	-2.462	-2.462	0	%100
60	M76A	Z	4.264	4.264	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-1.72	-1.72	0	%100
68	M82	Z	2.978	2.978	0	%100
69	M83A	X	-1.72	-1.72	0	%100
70	M83A	Z	2.978	2.978	0	%100
71	M87	X	-3.006	-3.006	0	%100
72	M87	Z	5.206	5.206	0	%100
73	M88A	X	-2.285	-2.285	0	%100
74	M88A	Z	3.958	3.958	0	%100
75	M90	X	-2.378	-2.378	0	%100
76	M90	Z	4.12	4.12	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, %]
77	M92A	X	-3.006	-3.006	0	%100
78	M92A	Z	5.206	5.206	0	%100
79	M93	X	-2.285	-2.285	0	%100
80	M93	Z	3.958	3.958	0	%100
81	M95	X	-2.378	-2.378	0	%100
82	M95	Z	4.12	4.12	0	%100
83	M82A	X	-1.96	-1.96	0	%100
84	M82A	Z	3.395	3.395	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-2.171	-2.171	0	%100
88	MP3C	Z	3.76	3.76	0	%100
89	MP4C	X	-2.171	-2.171	0	%100
90	MP4C	Z	3.76	3.76	0	%100
91	MP2C	X	-2.171	-2.171	0	%100
92	MP2C	Z	3.76	3.76	0	%100
93	MP1C	X	-2.171	-2.171	0	%100
94	MP1C	Z	3.76	3.76	0	%100
95	MP3B	X	-2.171	-2.171	0	%100
96	MP3B	Z	3.76	3.76	0	%100
97	MP4B	X	-2.171	-2.171	0	%100
98	MP4B	Z	3.76	3.76	0	%100
99	MP2B	X	-2.171	-2.171	0	%100
100	MP2B	Z	3.76	3.76	0	%100
101	MP1B	X	-2.171	-2.171	0	%100
102	MP1B	Z	3.76	3.76	0	%100
103	M100	X	-1.644	-1.644	0	%100
104	M100	Z	2.848	2.848	0	%100
105	M105	X	-1.644	-1.644	0	%100
106	M105	Z	2.848	2.848	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	0	0	0	%100
109	M121	X	-1.421	-1.421	0	%100
110	M121	Z	2.46	2.46	0	%100
111	M122	X	-1.421	-1.421	0	%100
112	M122	Z	2.46	2.46	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100
115	OVPB	X	-1.676	-1.676	0	%100
116	OVPB	Z	2.903	2.903	0	%100
117	OVPA	X	-1.676	-1.676	0	%100
118	OVPA	Z	2.903	2.903	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	FACE	X	-1.132	-1.132	0	%100
2	FACE	Z	.653	.653	0	%100
3	M4	X	-3.198	-3.198	0	%100
4	M4	Z	1.846	1.846	0	%100
5	M10	X	-.876	-.876	0	%100
6	M10	Z	.506	.506	0	%100
7	MP3A	X	-3.76	-3.76	0	%100
8	MP3A	Z	2.171	2.171	0	%100
9	MP4A	X	-3.76	-3.76	0	%100
10	MP4A	Z	2.171	2.171	0	%100
11	MP2A	X	-3.76	-3.76	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,%]
12	MP2A	Z	2.171	2.171	0	%100
13	MP1A	X	-3.76	-3.76	0	%100
14	MP1A	Z	2.171	2.171	0	%100
15	M43	X	-.876	-.876	0	%100
16	M43	Z	.506	.506	0	%100
17	M46	X	-1.312	-1.312	0	%100
18	M46	Z	.758	.758	0	%100
19	M51B	X	-3.971	-3.971	0	%100
20	M51B	Z	2.293	2.293	0	%100
21	M52B	X	-.993	-.993	0	%100
22	M52B	Z	.573	.573	0	%100
23	M76	X	-3.904	-3.904	0	%100
24	M76	Z	2.254	2.254	0	%100
25	M77	X	-5.278	-5.278	0	%100
26	M77	Z	3.047	3.047	0	%100
27	M80	X	-5.493	-5.493	0	%100
28	M80	Z	3.171	3.171	0	%100
29	M84	X	-3.904	-3.904	0	%100
30	M84	Z	2.254	2.254	0	%100
31	M85	X	-1.319	-1.319	0	%100
32	M85	Z	.762	.762	0	%100
33	M91	X	-1.373	-1.373	0	%100
34	M91	Z	.793	.793	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-3.504	-3.504	0	%100
38	M53	Z	2.023	2.023	0	%100
39	M54	X	-3.504	-3.504	0	%100
40	M54	Z	2.023	2.023	0	%100
41	M55	X	-5.25	-5.25	0	%100
42	M55	Z	3.031	3.031	0	%100
43	M58A	X	-.993	-.993	0	%100
44	M58A	Z	.573	.573	0	%100
45	M59A	X	-.993	-.993	0	%100
46	M59A	Z	.573	.573	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-1.319	-1.319	0	%100
50	M64	Z	.762	.762	0	%100
51	M66	X	-1.373	-1.373	0	%100
52	M66	Z	.793	.793	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-1.319	-1.319	0	%100
56	M69	Z	.762	.762	0	%100
57	M71	X	-1.373	-1.373	0	%100
58	M71	Z	.793	.793	0	%100
59	M76A	X	-3.198	-3.198	0	%100
60	M76A	Z	1.846	1.846	0	%100
61	M77A	X	-.876	-.876	0	%100
62	M77A	Z	.506	.506	0	%100
63	M78	X	-.876	-.876	0	%100
64	M78	Z	.506	.506	0	%100
65	M79A	X	-1.312	-1.312	0	%100
66	M79A	Z	.758	.758	0	%100
67	M82	X	-.993	-.993	0	%100
68	M82	Z	.573	.573	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, %]
69	M83A	X	-3.971	-3.971	0	%100
70	M83A	Z	2.293	2.293	0	%100
71	M87	X	-3.904	-3.904	0	%100
72	M87	Z	2.254	2.254	0	%100
73	M88A	X	-1.319	-1.319	0	%100
74	M88A	Z	.762	.762	0	%100
75	M90	X	-1.373	-1.373	0	%100
76	M90	Z	.793	.793	0	%100
77	M92A	X	-3.904	-3.904	0	%100
78	M92A	Z	2.254	2.254	0	%100
79	M93	X	-5.278	-5.278	0	%100
80	M93	Z	3.047	3.047	0	%100
81	M95	X	-5.493	-5.493	0	%100
82	M95	Z	3.171	3.171	0	%100
83	M82A	X	-4.526	-4.526	0	%100
84	M82A	Z	2.613	2.613	0	%100
85	M91B	X	-1.132	-1.132	0	%100
86	M91B	Z	.653	.653	0	%100
87	MP3C	X	-3.76	-3.76	0	%100
88	MP3C	Z	2.171	2.171	0	%100
89	MP4C	X	-3.76	-3.76	0	%100
90	MP4C	Z	2.171	2.171	0	%100
91	MP2C	X	-3.76	-3.76	0	%100
92	MP2C	Z	2.171	2.171	0	%100
93	MP1C	X	-3.76	-3.76	0	%100
94	MP1C	Z	2.171	2.171	0	%100
95	MP3B	X	-3.76	-3.76	0	%100
96	MP3B	Z	2.171	2.171	0	%100
97	MP4B	X	-3.76	-3.76	0	%100
98	MP4B	Z	2.171	2.171	0	%100
99	MP2B	X	-3.76	-3.76	0	%100
100	MP2B	Z	2.171	2.171	0	%100
101	MP1B	X	-3.76	-3.76	0	%100
102	MP1B	Z	2.171	2.171	0	%100
103	M100	X	-.949	-.949	0	%100
104	M100	Z	.548	.548	0	%100
105	M105	X	-3.797	-3.797	0	%100
106	M105	Z	2.192	2.192	0	%100
107	M110	X	-.949	-.949	0	%100
108	M110	Z	.548	.548	0	%100
109	M121	X	-3.281	-3.281	0	%100
110	M121	Z	1.894	1.894	0	%100
111	M122	X	-.82	-.82	0	%100
112	M122	Z	.474	.474	0	%100
113	M123	X	-.82	-.82	0	%100
114	M123	Z	.474	.474	0	%100
115	OVPB	X	-2.903	-2.903	0	%100
116	OVPB	Z	1.676	1.676	0	%100
117	OVPA	X	-2.903	-2.903	0	%100
118	OVPA	Z	1.676	1.676	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	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M4	X	-4.923	-4.923	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,%]
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-4.342	-4.342	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-4.342	-4.342	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-4.342	-4.342	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-4.342	-4.342	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-3.439	-3.439	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-3.439	-3.439	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-6.011	-6.011	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-4.571	-4.571	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-4.757	-4.757	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-6.011	-6.011	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-4.571	-4.571	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-4.757	-4.757	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-1.231	-1.231	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-3.035	-3.035	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-3.035	-3.035	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-4.546	-4.546	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-3.439	-3.439	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-1.503	-1.503	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-4.571	-4.571	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-4.757	-4.757	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-1.503	-1.503	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	-1.231	-1.231	0	%100
60	M76A	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, %]
61	M77A	X	-3.035	-3.035	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-3.035	-3.035	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-4.546	-4.546	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-3.439	-3.439	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-1.503	-1.503	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-1.503	-1.503	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-4.571	-4.571	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-4.757	-4.757	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-3.92	-3.92	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-3.92	-3.92	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-4.342	-4.342	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-4.342	-4.342	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	-4.342	-4.342	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-4.342	-4.342	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	-4.342	-4.342	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	-4.342	-4.342	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-4.342	-4.342	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-4.342	-4.342	0	%100
102	MP1B	Z	0	0	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	0	0	0	%100
105	M105	X	-3.288	-3.288	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	-3.288	-3.288	0	%100
108	M110	Z	0	0	0	%100
109	M121	X	-2.841	-2.841	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	-2.841	-2.841	0	%100
114	M123	Z	0	0	0	%100
115	OVPB	X	-3.353	-3.353	0	%100
116	OVPB	Z	0	0	0	%100
117	OVPA	X	-3.353	-3.353	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, %]
118	OVPA	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	FACE	X	-1.132	-1.132	0	%100
2	FACE	Z	-.653	-.653	0	%100
3	M4	X	-3.198	-3.198	0	%100
4	M4	Z	-1.846	-1.846	0	%100
5	M10	X	-.876	-.876	0	%100
6	M10	Z	-.506	-.506	0	%100
7	MP3A	X	-3.76	-3.76	0	%100
8	MP3A	Z	-2.171	-2.171	0	%100
9	MP4A	X	-3.76	-3.76	0	%100
10	MP4A	Z	-2.171	-2.171	0	%100
11	MP2A	X	-3.76	-3.76	0	%100
12	MP2A	Z	-2.171	-2.171	0	%100
13	MP1A	X	-3.76	-3.76	0	%100
14	MP1A	Z	-2.171	-2.171	0	%100
15	M43	X	-.876	-.876	0	%100
16	M43	Z	-.506	-.506	0	%100
17	M46	X	-1.312	-1.312	0	%100
18	M46	Z	-.758	-.758	0	%100
19	M51B	X	-.993	-.993	0	%100
20	M51B	Z	-.573	-.573	0	%100
21	M52B	X	-3.971	-3.971	0	%100
22	M52B	Z	-2.293	-2.293	0	%100
23	M76	X	-3.904	-3.904	0	%100
24	M76	Z	-2.254	-2.254	0	%100
25	M77	X	-1.319	-1.319	0	%100
26	M77	Z	-.762	-.762	0	%100
27	M80	X	-1.373	-1.373	0	%100
28	M80	Z	-.793	-.793	0	%100
29	M84	X	-3.904	-3.904	0	%100
30	M84	Z	-2.254	-2.254	0	%100
31	M85	X	-5.278	-5.278	0	%100
32	M85	Z	-3.047	-3.047	0	%100
33	M91	X	-5.493	-5.493	0	%100
34	M91	Z	-3.171	-3.171	0	%100
35	M52A	X	-3.198	-3.198	0	%100
36	M52A	Z	-1.846	-1.846	0	%100
37	M53	X	-.876	-.876	0	%100
38	M53	Z	-.506	-.506	0	%100
39	M54	X	-.876	-.876	0	%100
40	M54	Z	-.506	-.506	0	%100
41	M55	X	-1.312	-1.312	0	%100
42	M55	Z	-.758	-.758	0	%100
43	M58A	X	-3.971	-3.971	0	%100
44	M58A	Z	-2.293	-2.293	0	%100
45	M59A	X	-.993	-.993	0	%100
46	M59A	Z	-.573	-.573	0	%100
47	M63	X	-3.904	-3.904	0	%100
48	M63	Z	-2.254	-2.254	0	%100
49	M64	X	-5.278	-5.278	0	%100
50	M64	Z	-3.047	-3.047	0	%100
51	M66	X	-5.493	-5.493	0	%100
52	M66	Z	-3.171	-3.171	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, %]
53	M68	X	-3.904	-3.904	0	%100
54	M68	Z	-2.254	-2.254	0	%100
55	M69	X	-1.319	-1.319	0	%100
56	M69	Z	-.762	-.762	0	%100
57	M71	X	-1.373	-1.373	0	%100
58	M71	Z	-.793	-.793	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-3.504	-3.504	0	%100
62	M77A	Z	-2.023	-2.023	0	%100
63	M78	X	-3.504	-3.504	0	%100
64	M78	Z	-2.023	-2.023	0	%100
65	M79A	X	-5.25	-5.25	0	%100
66	M79A	Z	-3.031	-3.031	0	%100
67	M82	X	-.993	-.993	0	%100
68	M82	Z	-.573	-.573	0	%100
69	M83A	X	-.993	-.993	0	%100
70	M83A	Z	-.573	-.573	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-1.319	-1.319	0	%100
74	M88A	Z	-.762	-.762	0	%100
75	M90	X	-1.373	-1.373	0	%100
76	M90	Z	-.793	-.793	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-1.319	-1.319	0	%100
80	M93	Z	-.762	-.762	0	%100
81	M95	X	-1.373	-1.373	0	%100
82	M95	Z	-.793	-.793	0	%100
83	M82A	X	-1.132	-1.132	0	%100
84	M82A	Z	-.653	-.653	0	%100
85	M91B	X	-4.526	-4.526	0	%100
86	M91B	Z	-2.613	-2.613	0	%100
87	MP3C	X	-3.76	-3.76	0	%100
88	MP3C	Z	-2.171	-2.171	0	%100
89	MP4C	X	-3.76	-3.76	0	%100
90	MP4C	Z	-2.171	-2.171	0	%100
91	MP2C	X	-3.76	-3.76	0	%100
92	MP2C	Z	-2.171	-2.171	0	%100
93	MP1C	X	-3.76	-3.76	0	%100
94	MP1C	Z	-2.171	-2.171	0	%100
95	MP3B	X	-3.76	-3.76	0	%100
96	MP3B	Z	-2.171	-2.171	0	%100
97	MP4B	X	-3.76	-3.76	0	%100
98	MP4B	Z	-2.171	-2.171	0	%100
99	MP2B	X	-3.76	-3.76	0	%100
100	MP2B	Z	-2.171	-2.171	0	%100
101	MP1B	X	-3.76	-3.76	0	%100
102	MP1B	Z	-2.171	-2.171	0	%100
103	M100	X	-.949	-.949	0	%100
104	M100	Z	-.548	-.548	0	%100
105	M105	X	-.949	-.949	0	%100
106	M105	Z	-.548	-.548	0	%100
107	M110	X	-3.797	-3.797	0	%100
108	M110	Z	-2.192	-2.192	0	%100
109	M121	X	-.82	-.82	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, %]
110	M121	Z	- .474	- .474	0	%100
111	M122	X	- .82	- .82	0	%100
112	M122	Z	- .474	- .474	0	%100
113	M123	X	-3.281	-3.281	0	%100
114	M123	Z	-1.894	-1.894	0	%100
115	OVPB	X	-2.903	-2.903	0	%100
116	OVPB	Z	-1.676	-1.676	0	%100
117	OVPA	X	-2.903	-2.903	0	%100
118	OVPA	Z	-1.676	-1.676	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	FACE	X	-1.96	-1.96	0	%100
2	FACE	Z	-3.395	-3.395	0	%100
3	M4	X	- .615	- .615	0	%100
4	M4	Z	-1.066	-1.066	0	%100
5	M10	X	-1.517	-1.517	0	%100
6	M10	Z	-2.628	-2.628	0	%100
7	MP3A	X	-2.171	-2.171	0	%100
8	MP3A	Z	-3.76	-3.76	0	%100
9	MP4A	X	-2.171	-2.171	0	%100
10	MP4A	Z	-3.76	-3.76	0	%100
11	MP2A	X	-2.171	-2.171	0	%100
12	MP2A	Z	-3.76	-3.76	0	%100
13	MP1A	X	-2.171	-2.171	0	%100
14	MP1A	Z	-3.76	-3.76	0	%100
15	M43	X	-1.517	-1.517	0	%100
16	M43	Z	-2.628	-2.628	0	%100
17	M46	X	-2.273	-2.273	0	%100
18	M46	Z	-3.937	-3.937	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-1.72	-1.72	0	%100
22	M52B	Z	-2.978	-2.978	0	%100
23	M76	X	- .751	- .751	0	%100
24	M76	Z	-1.301	-1.301	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	- .751	- .751	0	%100
30	M84	Z	-1.301	-1.301	0	%100
31	M85	X	-2.285	-2.285	0	%100
32	M85	Z	-3.958	-3.958	0	%100
33	M91	X	-2.378	-2.378	0	%100
34	M91	Z	-4.12	-4.12	0	%100
35	M52A	X	-2.462	-2.462	0	%100
36	M52A	Z	-4.264	-4.264	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-1.72	-1.72	0	%100
44	M58A	Z	-2.978	-2.978	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, %]
45	M59A	X	-1.72	-1.72	0	%100
46	M59A	Z	-2.978	-2.978	0	%100
47	M63	X	-3.006	-3.006	0	%100
48	M63	Z	-5.206	-5.206	0	%100
49	M64	X	-2.285	-2.285	0	%100
50	M64	Z	-3.958	-3.958	0	%100
51	M66	X	-2.378	-2.378	0	%100
52	M66	Z	-4.12	-4.12	0	%100
53	M68	X	-3.006	-3.006	0	%100
54	M68	Z	-5.206	-5.206	0	%100
55	M69	X	-2.285	-2.285	0	%100
56	M69	Z	-3.958	-3.958	0	%100
57	M71	X	-2.378	-2.378	0	%100
58	M71	Z	-4.12	-4.12	0	%100
59	M76A	X	-.615	-.615	0	%100
60	M76A	Z	-1.066	-1.066	0	%100
61	M77A	X	-1.517	-1.517	0	%100
62	M77A	Z	-2.628	-2.628	0	%100
63	M78	X	-1.517	-1.517	0	%100
64	M78	Z	-2.628	-2.628	0	%100
65	M79A	X	-2.273	-2.273	0	%100
66	M79A	Z	-3.937	-3.937	0	%100
67	M82	X	-1.72	-1.72	0	%100
68	M82	Z	-2.978	-2.978	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.751	-.751	0	%100
72	M87	Z	-1.301	-1.301	0	%100
73	M88A	X	-2.285	-2.285	0	%100
74	M88A	Z	-3.958	-3.958	0	%100
75	M90	X	-2.378	-2.378	0	%100
76	M90	Z	-4.12	-4.12	0	%100
77	M92A	X	-.751	-.751	0	%100
78	M92A	Z	-1.301	-1.301	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-1.96	-1.96	0	%100
86	M91B	Z	-3.395	-3.395	0	%100
87	MP3C	X	-2.171	-2.171	0	%100
88	MP3C	Z	-3.76	-3.76	0	%100
89	MP4C	X	-2.171	-2.171	0	%100
90	MP4C	Z	-3.76	-3.76	0	%100
91	MP2C	X	-2.171	-2.171	0	%100
92	MP2C	Z	-3.76	-3.76	0	%100
93	MP1C	X	-2.171	-2.171	0	%100
94	MP1C	Z	-3.76	-3.76	0	%100
95	MP3B	X	-2.171	-2.171	0	%100
96	MP3B	Z	-3.76	-3.76	0	%100
97	MP4B	X	-2.171	-2.171	0	%100
98	MP4B	Z	-3.76	-3.76	0	%100
99	MP2B	X	-2.171	-2.171	0	%100
100	MP2B	Z	-3.76	-3.76	0	%100
101	MP1B	X	-2.171	-2.171	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, %]
102	MP1B	Z	-3.76	-3.76	0	%100
103	M100	X	-1.644	-1.644	0	%100
104	M100	Z	-2.848	-2.848	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	-1.644	-1.644	0	%100
108	M110	Z	-2.848	-2.848	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-1.421	-1.421	0	%100
112	M122	Z	-2.46	-2.46	0	%100
113	M123	X	-1.421	-1.421	0	%100
114	M123	Z	-2.46	-2.46	0	%100
115	OVPB	X	-1.676	-1.676	0	%100
116	OVPB	Z	-2.903	-2.903	0	%100
117	OVPA	X	-1.676	-1.676	0	%100
118	OVPA	Z	-2.903	-2.903	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	FACE	X	0	0	0	%100
2	FACE	Z	-.929	-.929	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.81	-.81	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-.64	-.64	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-.64	-.64	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-.64	-.64	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-.64	-.64	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-.81	-.81	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-1.616	-1.616	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-.224	-.224	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-.224	-.224	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-.412	-.412	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-.434	-.434	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-.412	-.412	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-.434	-.434	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-.718	-.718	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, %]
37	M53	X	0	0	0	%100
38	M53	Z	-.203	-.203	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-.203	-.203	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-.404	-.404	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-.224	-.224	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-.898	-.898	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-1.212	-1.212	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-.412	-.412	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-.434	-.434	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-1.212	-1.212	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-1.646	-1.646	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	-1.734	-1.734	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-.718	-.718	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-.203	-.203	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-.203	-.203	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-.404	-.404	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-.898	-.898	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-.224	-.224	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-1.212	-1.212	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-1.646	-1.646	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-1.734	-1.734	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-1.212	-1.212	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-.412	-.412	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-.434	-.434	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-.232	-.232	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-.232	-.232	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-.64	-.64	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-.64	-.64	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-.64	-.64	0	%100
93	MP1C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
94	MP1C	Z	-.64	-.64	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-.64	-.64	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-.64	-.64	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-.64	-.64	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-.64	-.64	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	-.64	-.64	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	-.16	-.16	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	-.16	-.16	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	-.194	-.194	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	-.777	-.777	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	-.194	-.194	0	%100
115	OVPB	X	0	0	0	%100
116	OVPB	Z	-.523	-.523	0	%100
117	OVPA	X	0	0	0	%100
118	OVPA	Z	-.523	-.523	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	FACE	X	.349	.349	0	%100
2	FACE	Z	-.604	-.604	0	%100
3	M4	X	.12	.12	0	%100
4	M4	Z	-.207	-.207	0	%100
5	M10	X	.304	.304	0	%100
6	M10	Z	-.526	-.526	0	%100
7	MP3A	X	.32	.32	0	%100
8	MP3A	Z	-.554	-.554	0	%100
9	MP4A	X	.32	.32	0	%100
10	MP4A	Z	-.554	-.554	0	%100
11	MP2A	X	.32	.32	0	%100
12	MP2A	Z	-.554	-.554	0	%100
13	MP1A	X	.32	.32	0	%100
14	MP1A	Z	-.554	-.554	0	%100
15	M43	X	.304	.304	0	%100
16	M43	Z	-.526	-.526	0	%100
17	M46	X	.606	.606	0	%100
18	M46	Z	-1.05	-1.05	0	%100
19	M51B	X	.337	.337	0	%100
20	M51B	Z	-.583	-.583	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.202	.202	0	%100
24	M76	Z	-.35	-.35	0	%100
25	M77	X	.617	.617	0	%100
26	M77	Z	-1.069	-1.069	0	%100
27	M80	X	.65	.65	0	%100
28	M80	Z	-1.126	-1.126	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, %]
29	M84	X	.202	.202	0	%100
30	M84	Z	-.35	-.35	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.12	.12	0	%100
36	M52A	Z	-.207	-.207	0	%100
37	M53	X	.304	.304	0	%100
38	M53	Z	-.526	-.526	0	%100
39	M54	X	.304	.304	0	%100
40	M54	Z	-.526	-.526	0	%100
41	M55	X	.606	.606	0	%100
42	M55	Z	-1.05	-1.05	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	.337	.337	0	%100
46	M59A	Z	-.583	-.583	0	%100
47	M63	X	.202	.202	0	%100
48	M63	Z	-.35	-.35	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.202	.202	0	%100
54	M68	Z	-.35	-.35	0	%100
55	M69	X	.617	.617	0	%100
56	M69	Z	-1.069	-1.069	0	%100
57	M71	X	.65	.65	0	%100
58	M71	Z	-1.126	-1.126	0	%100
59	M76A	X	.479	.479	0	%100
60	M76A	Z	-.829	-.829	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	.337	.337	0	%100
68	M82	Z	-.583	-.583	0	%100
69	M83A	X	.337	.337	0	%100
70	M83A	Z	-.583	-.583	0	%100
71	M87	X	.808	.808	0	%100
72	M87	Z	-1.4	-1.4	0	%100
73	M88A	X	.617	.617	0	%100
74	M88A	Z	-1.069	-1.069	0	%100
75	M90	X	.65	.65	0	%100
76	M90	Z	-1.126	-1.126	0	%100
77	M92A	X	.808	.808	0	%100
78	M92A	Z	-1.4	-1.4	0	%100
79	M93	X	.617	.617	0	%100
80	M93	Z	-1.069	-1.069	0	%100
81	M95	X	.65	.65	0	%100
82	M95	Z	-1.126	-1.126	0	%100
83	M82A	X	.349	.349	0	%100
84	M82A	Z	-.604	-.604	0	%100
85	M91B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
86	M91B	Z	0	0	0	%100
87	MP3C	X	.32	.32	0	%100
88	MP3C	Z	-.554	-.554	0	%100
89	MP4C	X	.32	.32	0	%100
90	MP4C	Z	-.554	-.554	0	%100
91	MP2C	X	.32	.32	0	%100
92	MP2C	Z	-.554	-.554	0	%100
93	MP1C	X	.32	.32	0	%100
94	MP1C	Z	-.554	-.554	0	%100
95	MP3B	X	.32	.32	0	%100
96	MP3B	Z	-.554	-.554	0	%100
97	MP4B	X	.32	.32	0	%100
98	MP4B	Z	-.554	-.554	0	%100
99	MP2B	X	.32	.32	0	%100
100	MP2B	Z	-.554	-.554	0	%100
101	MP1B	X	.32	.32	0	%100
102	MP1B	Z	-.554	-.554	0	%100
103	M100	X	.24	.24	0	%100
104	M100	Z	-.416	-.416	0	%100
105	M105	X	.24	.24	0	%100
106	M105	Z	-.416	-.416	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	0	0	0	%100
109	M121	X	.291	.291	0	%100
110	M121	Z	-.505	-.505	0	%100
111	M122	X	.291	.291	0	%100
112	M122	Z	-.505	-.505	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100
115	OVPB	X	.262	.262	0	%100
116	OVPB	Z	-.453	-.453	0	%100
117	OVPA	X	.262	.262	0	%100
118	OVPA	Z	-.453	-.453	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	FACE	X	.201	.201	0	%100
2	FACE	Z	-.116	-.116	0	%100
3	M4	X	.622	.622	0	%100
4	M4	Z	-.359	-.359	0	%100
5	M10	X	.175	.175	0	%100
6	M10	Z	-.101	-.101	0	%100
7	MP3A	X	.554	.554	0	%100
8	MP3A	Z	-.32	-.32	0	%100
9	MP4A	X	.554	.554	0	%100
10	MP4A	Z	-.32	-.32	0	%100
11	MP2A	X	.554	.554	0	%100
12	MP2A	Z	-.32	-.32	0	%100
13	MP1A	X	.554	.554	0	%100
14	MP1A	Z	-.32	-.32	0	%100
15	M43	X	.175	.175	0	%100
16	M43	Z	-.101	-.101	0	%100
17	M46	X	.35	.35	0	%100
18	M46	Z	-.202	-.202	0	%100
19	M51B	X	.777	.777	0	%100
20	M51B	Z	-.449	-.449	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, %]
21	M52B	X	.194	.194	0	%100
22	M52B	Z	-.112	-.112	0	%100
23	M76	X	1.05	1.05	0	%100
24	M76	Z	-.606	-.606	0	%100
25	M77	X	1.426	1.426	0	%100
26	M77	Z	-.823	-.823	0	%100
27	M80	X	1.502	1.502	0	%100
28	M80	Z	-.867	-.867	0	%100
29	M84	X	1.05	1.05	0	%100
30	M84	Z	-.606	-.606	0	%100
31	M85	X	.356	.356	0	%100
32	M85	Z	-.206	-.206	0	%100
33	M91	X	.375	.375	0	%100
34	M91	Z	-.217	-.217	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	.702	.702	0	%100
38	M53	Z	-.405	-.405	0	%100
39	M54	X	.702	.702	0	%100
40	M54	Z	-.405	-.405	0	%100
41	M55	X	1.4	1.4	0	%100
42	M55	Z	-.808	-.808	0	%100
43	M58A	X	.194	.194	0	%100
44	M58A	Z	-.112	-.112	0	%100
45	M59A	X	.194	.194	0	%100
46	M59A	Z	-.112	-.112	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	.356	.356	0	%100
50	M64	Z	-.206	-.206	0	%100
51	M66	X	.375	.375	0	%100
52	M66	Z	-.217	-.217	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	.356	.356	0	%100
56	M69	Z	-.206	-.206	0	%100
57	M71	X	.375	.375	0	%100
58	M71	Z	-.217	-.217	0	%100
59	M76A	X	.622	.622	0	%100
60	M76A	Z	-.359	-.359	0	%100
61	M77A	X	.175	.175	0	%100
62	M77A	Z	-.101	-.101	0	%100
63	M78	X	.175	.175	0	%100
64	M78	Z	-.101	-.101	0	%100
65	M79A	X	.35	.35	0	%100
66	M79A	Z	-.202	-.202	0	%100
67	M82	X	.194	.194	0	%100
68	M82	Z	-.112	-.112	0	%100
69	M83A	X	.777	.777	0	%100
70	M83A	Z	-.449	-.449	0	%100
71	M87	X	1.05	1.05	0	%100
72	M87	Z	-.606	-.606	0	%100
73	M88A	X	.356	.356	0	%100
74	M88A	Z	-.206	-.206	0	%100
75	M90	X	.375	.375	0	%100
76	M90	Z	-.217	-.217	0	%100
77	M92A	X	1.05	1.05	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, %]
78	M92A	Z	-.606	-.606	0	%100
79	M93	X	1.426	1.426	0	%100
80	M93	Z	-.823	-.823	0	%100
81	M95	X	1.502	1.502	0	%100
82	M95	Z	-.867	-.867	0	%100
83	M82A	X	.805	.805	0	%100
84	M82A	Z	-.465	-.465	0	%100
85	M91B	X	.201	.201	0	%100
86	M91B	Z	-.116	-.116	0	%100
87	MP3C	X	.554	.554	0	%100
88	MP3C	Z	-.32	-.32	0	%100
89	MP4C	X	.554	.554	0	%100
90	MP4C	Z	-.32	-.32	0	%100
91	MP2C	X	.554	.554	0	%100
92	MP2C	Z	-.32	-.32	0	%100
93	MP1C	X	.554	.554	0	%100
94	MP1C	Z	-.32	-.32	0	%100
95	MP3B	X	.554	.554	0	%100
96	MP3B	Z	-.32	-.32	0	%100
97	MP4B	X	.554	.554	0	%100
98	MP4B	Z	-.32	-.32	0	%100
99	MP2B	X	.554	.554	0	%100
100	MP2B	Z	-.32	-.32	0	%100
101	MP1B	X	.554	.554	0	%100
102	MP1B	Z	-.32	-.32	0	%100
103	M100	X	.139	.139	0	%100
104	M100	Z	-.08	-.08	0	%100
105	M105	X	.554	.554	0	%100
106	M105	Z	-.32	-.32	0	%100
107	M110	X	.139	.139	0	%100
108	M110	Z	-.08	-.08	0	%100
109	M121	X	.673	.673	0	%100
110	M121	Z	-.388	-.388	0	%100
111	M122	X	.168	.168	0	%100
112	M122	Z	-.097	-.097	0	%100
113	M123	X	.168	.168	0	%100
114	M123	Z	-.097	-.097	0	%100
115	OVPB	X	.453	.453	0	%100
116	OVPB	Z	-.262	-.262	0	%100
117	OVPA	X	.453	.453	0	%100
118	OVPA	Z	-.262	-.262	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	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M4	X	.958	.958	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	.64	.64	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	.64	.64	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	.64	.64	0	%100
12	MP2A	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, %]
13	MP1A	X	.64	.64	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	.673	.673	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.673	.673	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	1.616	1.616	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	1.235	1.235	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	1.301	1.301	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	1.616	1.616	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	1.235	1.235	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	1.301	1.301	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.239	.239	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	.608	.608	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	.608	.608	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	1.212	1.212	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	.673	.673	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	.404	.404	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	1.235	1.235	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	1.301	1.301	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.404	.404	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	.239	.239	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	.608	.608	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	.608	.608	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	1.212	1.212	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	.673	.673	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, %]
70	M83A	Z	0	0	0	%100
71	M87	X	.404	.404	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	.404	.404	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	1.235	1.235	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	1.301	1.301	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	.697	.697	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	.697	.697	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	.64	.64	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	.64	.64	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	.64	.64	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	.64	.64	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	.64	.64	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	.64	.64	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	.64	.64	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	.64	.64	0	%100
102	MP1B	Z	0	0	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	0	0	0	%100
105	M105	X	.48	.48	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	.48	.48	0	%100
108	M110	Z	0	0	0	%100
109	M121	X	.583	.583	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	.583	.583	0	%100
114	M123	Z	0	0	0	%100
115	OVPB	X	.523	.523	0	%100
116	OVPB	Z	0	0	0	%100
117	OVPA	X	.523	.523	0	%100
118	OVPA	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	FACE	X	.201	.201	0	%100
2	FACE	Z	.116	.116	0	%100
3	M4	X	.622	.622	0	%100
4	M4	Z	.359	.359	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, %]
5	M10	X	.175	.175	0	%100
6	M10	Z	.101	.101	0	%100
7	MP3A	X	.554	.554	0	%100
8	MP3A	Z	.32	.32	0	%100
9	MP4A	X	.554	.554	0	%100
10	MP4A	Z	.32	.32	0	%100
11	MP2A	X	.554	.554	0	%100
12	MP2A	Z	.32	.32	0	%100
13	MP1A	X	.554	.554	0	%100
14	MP1A	Z	.32	.32	0	%100
15	M43	X	.175	.175	0	%100
16	M43	Z	.101	.101	0	%100
17	M46	X	.35	.35	0	%100
18	M46	Z	.202	.202	0	%100
19	M51B	X	.194	.194	0	%100
20	M51B	Z	.112	.112	0	%100
21	M52B	X	.777	.777	0	%100
22	M52B	Z	.449	.449	0	%100
23	M76	X	1.05	1.05	0	%100
24	M76	Z	.606	.606	0	%100
25	M77	X	.356	.356	0	%100
26	M77	Z	.206	.206	0	%100
27	M80	X	.375	.375	0	%100
28	M80	Z	.217	.217	0	%100
29	M84	X	1.05	1.05	0	%100
30	M84	Z	.606	.606	0	%100
31	M85	X	1.426	1.426	0	%100
32	M85	Z	.823	.823	0	%100
33	M91	X	1.502	1.502	0	%100
34	M91	Z	.867	.867	0	%100
35	M52A	X	.622	.622	0	%100
36	M52A	Z	.359	.359	0	%100
37	M53	X	.175	.175	0	%100
38	M53	Z	.101	.101	0	%100
39	M54	X	.175	.175	0	%100
40	M54	Z	.101	.101	0	%100
41	M55	X	.35	.35	0	%100
42	M55	Z	.202	.202	0	%100
43	M58A	X	.777	.777	0	%100
44	M58A	Z	.449	.449	0	%100
45	M59A	X	.194	.194	0	%100
46	M59A	Z	.112	.112	0	%100
47	M63	X	1.05	1.05	0	%100
48	M63	Z	.606	.606	0	%100
49	M64	X	1.426	1.426	0	%100
50	M64	Z	.823	.823	0	%100
51	M66	X	1.502	1.502	0	%100
52	M66	Z	.867	.867	0	%100
53	M68	X	1.05	1.05	0	%100
54	M68	Z	.606	.606	0	%100
55	M69	X	.356	.356	0	%100
56	M69	Z	.206	.206	0	%100
57	M71	X	.375	.375	0	%100
58	M71	Z	.217	.217	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	.702	.702	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, %]
62	M77A	Z	.405	.405	0	%100
63	M78	X	.702	.702	0	%100
64	M78	Z	.405	.405	0	%100
65	M79A	X	1.4	1.4	0	%100
66	M79A	Z	.808	.808	0	%100
67	M82	X	.194	.194	0	%100
68	M82	Z	.112	.112	0	%100
69	M83A	X	.194	.194	0	%100
70	M83A	Z	.112	.112	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	.356	.356	0	%100
74	M88A	Z	.206	.206	0	%100
75	M90	X	.375	.375	0	%100
76	M90	Z	.217	.217	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	.356	.356	0	%100
80	M93	Z	.206	.206	0	%100
81	M95	X	.375	.375	0	%100
82	M95	Z	.217	.217	0	%100
83	M82A	X	.201	.201	0	%100
84	M82A	Z	.116	.116	0	%100
85	M91B	X	.805	.805	0	%100
86	M91B	Z	.465	.465	0	%100
87	MP3C	X	.554	.554	0	%100
88	MP3C	Z	.32	.32	0	%100
89	MP4C	X	.554	.554	0	%100
90	MP4C	Z	.32	.32	0	%100
91	MP2C	X	.554	.554	0	%100
92	MP2C	Z	.32	.32	0	%100
93	MP1C	X	.554	.554	0	%100
94	MP1C	Z	.32	.32	0	%100
95	MP3B	X	.554	.554	0	%100
96	MP3B	Z	.32	.32	0	%100
97	MP4B	X	.554	.554	0	%100
98	MP4B	Z	.32	.32	0	%100
99	MP2B	X	.554	.554	0	%100
100	MP2B	Z	.32	.32	0	%100
101	MP1B	X	.554	.554	0	%100
102	MP1B	Z	.32	.32	0	%100
103	M100	X	.139	.139	0	%100
104	M100	Z	.08	.08	0	%100
105	M105	X	.139	.139	0	%100
106	M105	Z	.08	.08	0	%100
107	M110	X	.554	.554	0	%100
108	M110	Z	.32	.32	0	%100
109	M121	X	.168	.168	0	%100
110	M121	Z	.097	.097	0	%100
111	M122	X	.168	.168	0	%100
112	M122	Z	.097	.097	0	%100
113	M123	X	.673	.673	0	%100
114	M123	Z	.388	.388	0	%100
115	OVPB	X	.453	.453	0	%100
116	OVPB	Z	.262	.262	0	%100
117	OVPA	X	.453	.453	0	%100
118	OVPA	Z	.262	.262	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	FACE	X	.349	.349	0	%100
2	FACE	Z	.604	.604	0	%100
3	M4	X	.12	.12	0	%100
4	M4	Z	.207	.207	0	%100
5	M10	X	.304	.304	0	%100
6	M10	Z	.526	.526	0	%100
7	MP3A	X	.32	.32	0	%100
8	MP3A	Z	.554	.554	0	%100
9	MP4A	X	.32	.32	0	%100
10	MP4A	Z	.554	.554	0	%100
11	MP2A	X	.32	.32	0	%100
12	MP2A	Z	.554	.554	0	%100
13	MP1A	X	.32	.32	0	%100
14	MP1A	Z	.554	.554	0	%100
15	M43	X	.304	.304	0	%100
16	M43	Z	.526	.526	0	%100
17	M46	X	.606	.606	0	%100
18	M46	Z	1.05	1.05	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.337	.337	0	%100
22	M52B	Z	.583	.583	0	%100
23	M76	X	.202	.202	0	%100
24	M76	Z	.35	.35	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.202	.202	0	%100
30	M84	Z	.35	.35	0	%100
31	M85	X	.617	.617	0	%100
32	M85	Z	1.069	1.069	0	%100
33	M91	X	.65	.65	0	%100
34	M91	Z	1.126	1.126	0	%100
35	M52A	X	.479	.479	0	%100
36	M52A	Z	.829	.829	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	.337	.337	0	%100
44	M58A	Z	.583	.583	0	%100
45	M59A	X	.337	.337	0	%100
46	M59A	Z	.583	.583	0	%100
47	M63	X	.808	.808	0	%100
48	M63	Z	1.4	1.4	0	%100
49	M64	X	.617	.617	0	%100
50	M64	Z	1.069	1.069	0	%100
51	M66	X	.65	.65	0	%100
52	M66	Z	1.126	1.126	0	%100
53	M68	X	.808	.808	0	%100
54	M68	Z	1.4	1.4	0	%100
55	M69	X	.617	.617	0	%100
56	M69	Z	1.069	1.069	0	%100
57	M71	X	.65	.65	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M71	Z	1.126	1.126	0	%100
59	M76A	X	.12	.12	0	%100
60	M76A	Z	.207	.207	0	%100
61	M77A	X	.304	.304	0	%100
62	M77A	Z	.526	.526	0	%100
63	M78	X	.304	.304	0	%100
64	M78	Z	.526	.526	0	%100
65	M79A	X	.606	.606	0	%100
66	M79A	Z	1.05	1.05	0	%100
67	M82	X	.337	.337	0	%100
68	M82	Z	.583	.583	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.202	.202	0	%100
72	M87	Z	.35	.35	0	%100
73	M88A	X	.617	.617	0	%100
74	M88A	Z	1.069	1.069	0	%100
75	M90	X	.65	.65	0	%100
76	M90	Z	1.126	1.126	0	%100
77	M92A	X	.202	.202	0	%100
78	M92A	Z	.35	.35	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	.349	.349	0	%100
86	M91B	Z	.604	.604	0	%100
87	MP3C	X	.32	.32	0	%100
88	MP3C	Z	.554	.554	0	%100
89	MP4C	X	.32	.32	0	%100
90	MP4C	Z	.554	.554	0	%100
91	MP2C	X	.32	.32	0	%100
92	MP2C	Z	.554	.554	0	%100
93	MP1C	X	.32	.32	0	%100
94	MP1C	Z	.554	.554	0	%100
95	MP3B	X	.32	.32	0	%100
96	MP3B	Z	.554	.554	0	%100
97	MP4B	X	.32	.32	0	%100
98	MP4B	Z	.554	.554	0	%100
99	MP2B	X	.32	.32	0	%100
100	MP2B	Z	.554	.554	0	%100
101	MP1B	X	.32	.32	0	%100
102	MP1B	Z	.554	.554	0	%100
103	M100	X	.24	.24	0	%100
104	M100	Z	.416	.416	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	.24	.24	0	%100
108	M110	Z	.416	.416	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	.291	.291	0	%100
112	M122	Z	.505	.505	0	%100
113	M123	X	.291	.291	0	%100
114	M123	Z	.505	.505	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, %]
115	OVPB	X	.262	.262	0	%100
116	OVPB	Z	.453	.453	0	%100
117	OVPA	X	.262	.262	0	%100
118	OVPA	Z	.453	.453	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	FACE	X	0	0	0	%100
2	FACE	Z	.929	.929	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.81	.81	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	.64	.64	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	.64	.64	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.64	.64	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.64	.64	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	.81	.81	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	1.616	1.616	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.224	.224	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.224	.224	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	.412	.412	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	.434	.434	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	.412	.412	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	.434	.434	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	.718	.718	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	.203	.203	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	.203	.203	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	.404	.404	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	.224	.224	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	.898	.898	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	1.212	1.212	0	%100
49	M64	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
50	M64	Z	.412	.412	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	.434	.434	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	1.212	1.212	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	1.646	1.646	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	1.734	1.734	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	.718	.718	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	.203	.203	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	.203	.203	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	.404	.404	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	.898	.898	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	.224	.224	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	1.212	1.212	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	1.646	1.646	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	1.734	1.734	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	1.212	1.212	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	.412	.412	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	.434	.434	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	.232	.232	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	.232	.232	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	.64	.64	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	.64	.64	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	.64	.64	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	.64	.64	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	.64	.64	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	.64	.64	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	.64	.64	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	.64	.64	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	.64	.64	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	.16	.16	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,%]
107	M110	X	0	0	0	%100
108	M110	Z	.16	.16	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	.194	.194	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	.777	.777	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	.194	.194	0	%100
115	OVPB	X	0	0	0	%100
116	OVPB	Z	.523	.523	0	%100
117	OVPA	X	0	0	0	%100
118	OVPA	Z	.523	.523	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	FACE	X	-.349	-.349	0	%100
2	FACE	Z	.604	.604	0	%100
3	M4	X	-.12	-.12	0	%100
4	M4	Z	.207	.207	0	%100
5	M10	X	-.304	-.304	0	%100
6	M10	Z	.526	.526	0	%100
7	MP3A	X	-.32	-.32	0	%100
8	MP3A	Z	.554	.554	0	%100
9	MP4A	X	-.32	-.32	0	%100
10	MP4A	Z	.554	.554	0	%100
11	MP2A	X	-.32	-.32	0	%100
12	MP2A	Z	.554	.554	0	%100
13	MP1A	X	-.32	-.32	0	%100
14	MP1A	Z	.554	.554	0	%100
15	M43	X	-.304	-.304	0	%100
16	M43	Z	.526	.526	0	%100
17	M46	X	-.606	-.606	0	%100
18	M46	Z	1.05	1.05	0	%100
19	M51B	X	-.337	-.337	0	%100
20	M51B	Z	.583	.583	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-.202	-.202	0	%100
24	M76	Z	.35	.35	0	%100
25	M77	X	-.617	-.617	0	%100
26	M77	Z	1.069	1.069	0	%100
27	M80	X	-.65	-.65	0	%100
28	M80	Z	1.126	1.126	0	%100
29	M84	X	-.202	-.202	0	%100
30	M84	Z	.35	.35	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.12	-.12	0	%100
36	M52A	Z	.207	.207	0	%100
37	M53	X	-.304	-.304	0	%100
38	M53	Z	.526	.526	0	%100
39	M54	X	-.304	-.304	0	%100
40	M54	Z	.526	.526	0	%100
41	M55	X	-.606	-.606	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, %]
42	M55	Z	1.05	1.05	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-.337	-.337	0	%100
46	M59A	Z	.583	.583	0	%100
47	M63	X	-.202	-.202	0	%100
48	M63	Z	.35	.35	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-.202	-.202	0	%100
54	M68	Z	.35	.35	0	%100
55	M69	X	-.617	-.617	0	%100
56	M69	Z	1.069	1.069	0	%100
57	M71	X	-.65	-.65	0	%100
58	M71	Z	1.126	1.126	0	%100
59	M76A	X	-.479	-.479	0	%100
60	M76A	Z	.829	.829	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-.337	-.337	0	%100
68	M82	Z	.583	.583	0	%100
69	M83A	X	-.337	-.337	0	%100
70	M83A	Z	.583	.583	0	%100
71	M87	X	-.808	-.808	0	%100
72	M87	Z	1.4	1.4	0	%100
73	M88A	X	-.617	-.617	0	%100
74	M88A	Z	1.069	1.069	0	%100
75	M90	X	-.65	-.65	0	%100
76	M90	Z	1.126	1.126	0	%100
77	M92A	X	-.808	-.808	0	%100
78	M92A	Z	1.4	1.4	0	%100
79	M93	X	-.617	-.617	0	%100
80	M93	Z	1.069	1.069	0	%100
81	M95	X	-.65	-.65	0	%100
82	M95	Z	1.126	1.126	0	%100
83	M82A	X	-.349	-.349	0	%100
84	M82A	Z	.604	.604	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-.32	-.32	0	%100
88	MP3C	Z	.554	.554	0	%100
89	MP4C	X	-.32	-.32	0	%100
90	MP4C	Z	.554	.554	0	%100
91	MP2C	X	-.32	-.32	0	%100
92	MP2C	Z	.554	.554	0	%100
93	MP1C	X	-.32	-.32	0	%100
94	MP1C	Z	.554	.554	0	%100
95	MP3B	X	-.32	-.32	0	%100
96	MP3B	Z	.554	.554	0	%100
97	MP4B	X	-.32	-.32	0	%100
98	MP4B	Z	.554	.554	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, %]
99	MP2B	X	-.32	-.32	0	%100
100	MP2B	Z	.554	.554	0	%100
101	MP1B	X	-.32	-.32	0	%100
102	MP1B	Z	.554	.554	0	%100
103	M100	X	-.24	-.24	0	%100
104	M100	Z	.416	.416	0	%100
105	M105	X	-.24	-.24	0	%100
106	M105	Z	.416	.416	0	%100
107	M110	X	0	0	0	%100
108	M110	Z	0	0	0	%100
109	M121	X	-.291	-.291	0	%100
110	M121	Z	.505	.505	0	%100
111	M122	X	-.291	-.291	0	%100
112	M122	Z	.505	.505	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100
115	OVPB	X	-.262	-.262	0	%100
116	OVPB	Z	.453	.453	0	%100
117	OVPA	X	-.262	-.262	0	%100
118	OVPA	Z	.453	.453	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	FACE	X	-.201	-.201	0	%100
2	FACE	Z	.116	.116	0	%100
3	M4	X	-.622	-.622	0	%100
4	M4	Z	.359	.359	0	%100
5	M10	X	-.175	-.175	0	%100
6	M10	Z	.101	.101	0	%100
7	MP3A	X	-.554	-.554	0	%100
8	MP3A	Z	.32	.32	0	%100
9	MP4A	X	-.554	-.554	0	%100
10	MP4A	Z	.32	.32	0	%100
11	MP2A	X	-.554	-.554	0	%100
12	MP2A	Z	.32	.32	0	%100
13	MP1A	X	-.554	-.554	0	%100
14	MP1A	Z	.32	.32	0	%100
15	M43	X	-.175	-.175	0	%100
16	M43	Z	.101	.101	0	%100
17	M46	X	-.35	-.35	0	%100
18	M46	Z	.202	.202	0	%100
19	M51B	X	-.777	-.777	0	%100
20	M51B	Z	.449	.449	0	%100
21	M52B	X	-.194	-.194	0	%100
22	M52B	Z	.112	.112	0	%100
23	M76	X	-1.05	-1.05	0	%100
24	M76	Z	.606	.606	0	%100
25	M77	X	-1.426	-1.426	0	%100
26	M77	Z	.823	.823	0	%100
27	M80	X	-1.502	-1.502	0	%100
28	M80	Z	.867	.867	0	%100
29	M84	X	-1.05	-1.05	0	%100
30	M84	Z	.606	.606	0	%100
31	M85	X	-.356	-.356	0	%100
32	M85	Z	.206	.206	0	%100
33	M91	X	-.375	-.375	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M91	Z	.217	.217	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-.702	-.702	0	%100
38	M53	Z	.405	.405	0	%100
39	M54	X	-.702	-.702	0	%100
40	M54	Z	.405	.405	0	%100
41	M55	X	-1.4	-1.4	0	%100
42	M55	Z	.808	.808	0	%100
43	M58A	X	-.194	-.194	0	%100
44	M58A	Z	.112	.112	0	%100
45	M59A	X	-.194	-.194	0	%100
46	M59A	Z	.112	.112	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-.356	-.356	0	%100
50	M64	Z	.206	.206	0	%100
51	M66	X	-.375	-.375	0	%100
52	M66	Z	.217	.217	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-.356	-.356	0	%100
56	M69	Z	.206	.206	0	%100
57	M71	X	-.375	-.375	0	%100
58	M71	Z	.217	.217	0	%100
59	M76A	X	-.622	-.622	0	%100
60	M76A	Z	.359	.359	0	%100
61	M77A	X	-.175	-.175	0	%100
62	M77A	Z	.101	.101	0	%100
63	M78	X	-.175	-.175	0	%100
64	M78	Z	.101	.101	0	%100
65	M79A	X	-.35	-.35	0	%100
66	M79A	Z	.202	.202	0	%100
67	M82	X	-.194	-.194	0	%100
68	M82	Z	.112	.112	0	%100
69	M83A	X	-.777	-.777	0	%100
70	M83A	Z	.449	.449	0	%100
71	M87	X	-1.05	-1.05	0	%100
72	M87	Z	.606	.606	0	%100
73	M88A	X	-.356	-.356	0	%100
74	M88A	Z	.206	.206	0	%100
75	M90	X	-.375	-.375	0	%100
76	M90	Z	.217	.217	0	%100
77	M92A	X	-1.05	-1.05	0	%100
78	M92A	Z	.606	.606	0	%100
79	M93	X	-1.426	-1.426	0	%100
80	M93	Z	.823	.823	0	%100
81	M95	X	-1.502	-1.502	0	%100
82	M95	Z	.867	.867	0	%100
83	M82A	X	-.805	-.805	0	%100
84	M82A	Z	.465	.465	0	%100
85	M91B	X	-.201	-.201	0	%100
86	M91B	Z	.116	.116	0	%100
87	MP3C	X	-.554	-.554	0	%100
88	MP3C	Z	.32	.32	0	%100
89	MP4C	X	-.554	-.554	0	%100
90	MP4C	Z	.32	.32	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	MP2C	X	-.554	-.554	0	%100
92	MP2C	Z	.32	.32	0	%100
93	MP1C	X	-.554	-.554	0	%100
94	MP1C	Z	.32	.32	0	%100
95	MP3B	X	-.554	-.554	0	%100
96	MP3B	Z	.32	.32	0	%100
97	MP4B	X	-.554	-.554	0	%100
98	MP4B	Z	.32	.32	0	%100
99	MP2B	X	-.554	-.554	0	%100
100	MP2B	Z	.32	.32	0	%100
101	MP1B	X	-.554	-.554	0	%100
102	MP1B	Z	.32	.32	0	%100
103	M100	X	-.139	-.139	0	%100
104	M100	Z	.08	.08	0	%100
105	M105	X	-.554	-.554	0	%100
106	M105	Z	.32	.32	0	%100
107	M110	X	-.139	-.139	0	%100
108	M110	Z	.08	.08	0	%100
109	M121	X	-.673	-.673	0	%100
110	M121	Z	.388	.388	0	%100
111	M122	X	-.168	-.168	0	%100
112	M122	Z	.097	.097	0	%100
113	M123	X	-.168	-.168	0	%100
114	M123	Z	.097	.097	0	%100
115	OVPB	X	-.453	-.453	0	%100
116	OVPB	Z	.262	.262	0	%100
117	OVPA	X	-.453	-.453	0	%100
118	OVPA	Z	.262	.262	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	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M4	X	-.958	-.958	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-.64	-.64	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-.64	-.64	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-.64	-.64	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.64	-.64	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-.673	-.673	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.673	-.673	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-1.616	-1.616	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-1.235	-1.235	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,%]
26	M77	Z	0	0	0	%100
27	M80	X	-1.301	-1.301	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-1.616	-1.616	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-1.235	-1.235	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-1.301	-1.301	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.239	-.239	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-.608	-.608	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-.608	-.608	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-1.212	-1.212	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-.673	-.673	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-.404	-.404	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-1.235	-1.235	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-1.301	-1.301	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-.404	-.404	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	-.239	-.239	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-.608	-.608	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-.608	-.608	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-1.212	-1.212	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-.673	-.673	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.404	-.404	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-.404	-.404	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-1.235	-1.235	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-1.301	-1.301	0	%100
82	M95	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, %]
83	M82A	X	-.697	-.697	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-.697	-.697	0	%100
86	M91B	Z	0	0	0	%100
87	MP3C	X	-.64	-.64	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-.64	-.64	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	-.64	-.64	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-.64	-.64	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	-.64	-.64	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	-.64	-.64	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-.64	-.64	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-.64	-.64	0	%100
102	MP1B	Z	0	0	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	0	0	0	%100
105	M105	X	-.48	-.48	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	-.48	-.48	0	%100
108	M110	Z	0	0	0	%100
109	M121	X	-.583	-.583	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	-.583	-.583	0	%100
114	M123	Z	0	0	0	%100
115	OVPB	X	-.523	-.523	0	%100
116	OVPB	Z	0	0	0	%100
117	OVPA	X	-.523	-.523	0	%100
118	OVPA	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	FACE	X	-.201	-.201	0	%100
2	FACE	Z	-.116	-.116	0	%100
3	M4	X	-.622	-.622	0	%100
4	M4	Z	-.359	-.359	0	%100
5	M10	X	-.175	-.175	0	%100
6	M10	Z	-.101	-.101	0	%100
7	MP3A	X	-.554	-.554	0	%100
8	MP3A	Z	-.32	-.32	0	%100
9	MP4A	X	-.554	-.554	0	%100
10	MP4A	Z	-.32	-.32	0	%100
11	MP2A	X	-.554	-.554	0	%100
12	MP2A	Z	-.32	-.32	0	%100
13	MP1A	X	-.554	-.554	0	%100
14	MP1A	Z	-.32	-.32	0	%100
15	M43	X	-.175	-.175	0	%100
16	M43	Z	-.101	-.101	0	%100
17	M46	X	-.35	-.35	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,%]
18	M46	Z	-.202	-.202	0	%100
19	M51B	X	-.194	-.194	0	%100
20	M51B	Z	-.112	-.112	0	%100
21	M52B	X	-.777	-.777	0	%100
22	M52B	Z	-.449	-.449	0	%100
23	M76	X	-1.05	-1.05	0	%100
24	M76	Z	-.606	-.606	0	%100
25	M77	X	-.356	-.356	0	%100
26	M77	Z	-.206	-.206	0	%100
27	M80	X	-.375	-.375	0	%100
28	M80	Z	-.217	-.217	0	%100
29	M84	X	-1.05	-1.05	0	%100
30	M84	Z	-.606	-.606	0	%100
31	M85	X	-1.426	-1.426	0	%100
32	M85	Z	-.823	-.823	0	%100
33	M91	X	-1.502	-1.502	0	%100
34	M91	Z	-.867	-.867	0	%100
35	M52A	X	-.622	-.622	0	%100
36	M52A	Z	-.359	-.359	0	%100
37	M53	X	-.175	-.175	0	%100
38	M53	Z	-.101	-.101	0	%100
39	M54	X	-.175	-.175	0	%100
40	M54	Z	-.101	-.101	0	%100
41	M55	X	-.35	-.35	0	%100
42	M55	Z	-.202	-.202	0	%100
43	M58A	X	-.777	-.777	0	%100
44	M58A	Z	-.449	-.449	0	%100
45	M59A	X	-.194	-.194	0	%100
46	M59A	Z	-.112	-.112	0	%100
47	M63	X	-1.05	-1.05	0	%100
48	M63	Z	-.606	-.606	0	%100
49	M64	X	-1.426	-1.426	0	%100
50	M64	Z	-.823	-.823	0	%100
51	M66	X	-1.502	-1.502	0	%100
52	M66	Z	-.867	-.867	0	%100
53	M68	X	-1.05	-1.05	0	%100
54	M68	Z	-.606	-.606	0	%100
55	M69	X	-.356	-.356	0	%100
56	M69	Z	-.206	-.206	0	%100
57	M71	X	-.375	-.375	0	%100
58	M71	Z	-.217	-.217	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-.702	-.702	0	%100
62	M77A	Z	-.405	-.405	0	%100
63	M78	X	-.702	-.702	0	%100
64	M78	Z	-.405	-.405	0	%100
65	M79A	X	-1.4	-1.4	0	%100
66	M79A	Z	-.808	-.808	0	%100
67	M82	X	-.194	-.194	0	%100
68	M82	Z	-.112	-.112	0	%100
69	M83A	X	-.194	-.194	0	%100
70	M83A	Z	-.112	-.112	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-.356	-.356	0	%100
74	M88A	Z	-.206	-.206	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, %]
75	M90	X	-.375	-.375	0	%100
76	M90	Z	-.217	-.217	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-.356	-.356	0	%100
80	M93	Z	-.206	-.206	0	%100
81	M95	X	-.375	-.375	0	%100
82	M95	Z	-.217	-.217	0	%100
83	M82A	X	-.201	-.201	0	%100
84	M82A	Z	-.116	-.116	0	%100
85	M91B	X	-.805	-.805	0	%100
86	M91B	Z	-.465	-.465	0	%100
87	MP3C	X	-.554	-.554	0	%100
88	MP3C	Z	-.32	-.32	0	%100
89	MP4C	X	-.554	-.554	0	%100
90	MP4C	Z	-.32	-.32	0	%100
91	MP2C	X	-.554	-.554	0	%100
92	MP2C	Z	-.32	-.32	0	%100
93	MP1C	X	-.554	-.554	0	%100
94	MP1C	Z	-.32	-.32	0	%100
95	MP3B	X	-.554	-.554	0	%100
96	MP3B	Z	-.32	-.32	0	%100
97	MP4B	X	-.554	-.554	0	%100
98	MP4B	Z	-.32	-.32	0	%100
99	MP2B	X	-.554	-.554	0	%100
100	MP2B	Z	-.32	-.32	0	%100
101	MP1B	X	-.554	-.554	0	%100
102	MP1B	Z	-.32	-.32	0	%100
103	M100	X	-.139	-.139	0	%100
104	M100	Z	-.08	-.08	0	%100
105	M105	X	-.139	-.139	0	%100
106	M105	Z	-.08	-.08	0	%100
107	M110	X	-.554	-.554	0	%100
108	M110	Z	-.32	-.32	0	%100
109	M121	X	-.168	-.168	0	%100
110	M121	Z	-.097	-.097	0	%100
111	M122	X	-.168	-.168	0	%100
112	M122	Z	-.097	-.097	0	%100
113	M123	X	-.673	-.673	0	%100
114	M123	Z	-.388	-.388	0	%100
115	OVPB	X	-.453	-.453	0	%100
116	OVPB	Z	-.262	-.262	0	%100
117	OVPA	X	-.453	-.453	0	%100
118	OVPA	Z	-.262	-.262	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	FACE	X	-.349	-.349	0	%100
2	FACE	Z	-.604	-.604	0	%100
3	M4	X	-.12	-.12	0	%100
4	M4	Z	-.207	-.207	0	%100
5	M10	X	-.304	-.304	0	%100
6	M10	Z	-.526	-.526	0	%100
7	MP3A	X	-.32	-.32	0	%100
8	MP3A	Z	-.554	-.554	0	%100
9	MP4A	X	-.32	-.32	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, %]
10	MP4A	Z	-.554	-.554	0	%100
11	MP2A	X	-.32	-.32	0	%100
12	MP2A	Z	-.554	-.554	0	%100
13	MP1A	X	-.32	-.32	0	%100
14	MP1A	Z	-.554	-.554	0	%100
15	M43	X	-.304	-.304	0	%100
16	M43	Z	-.526	-.526	0	%100
17	M46	X	-.606	-.606	0	%100
18	M46	Z	-1.05	-1.05	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.337	-.337	0	%100
22	M52B	Z	-.583	-.583	0	%100
23	M76	X	-.202	-.202	0	%100
24	M76	Z	-.35	-.35	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-.202	-.202	0	%100
30	M84	Z	-.35	-.35	0	%100
31	M85	X	-.617	-.617	0	%100
32	M85	Z	-1.069	-1.069	0	%100
33	M91	X	-.65	-.65	0	%100
34	M91	Z	-1.126	-1.126	0	%100
35	M52A	X	-.479	-.479	0	%100
36	M52A	Z	-.829	-.829	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-.337	-.337	0	%100
44	M58A	Z	-.583	-.583	0	%100
45	M59A	X	-.337	-.337	0	%100
46	M59A	Z	-.583	-.583	0	%100
47	M63	X	-.808	-.808	0	%100
48	M63	Z	-1.4	-1.4	0	%100
49	M64	X	-.617	-.617	0	%100
50	M64	Z	-1.069	-1.069	0	%100
51	M66	X	-.65	-.65	0	%100
52	M66	Z	-1.126	-1.126	0	%100
53	M68	X	-.808	-.808	0	%100
54	M68	Z	-1.4	-1.4	0	%100
55	M69	X	-.617	-.617	0	%100
56	M69	Z	-1.069	-1.069	0	%100
57	M71	X	-.65	-.65	0	%100
58	M71	Z	-1.126	-1.126	0	%100
59	M76A	X	-.12	-.12	0	%100
60	M76A	Z	-.207	-.207	0	%100
61	M77A	X	-.304	-.304	0	%100
62	M77A	Z	-.526	-.526	0	%100
63	M78	X	-.304	-.304	0	%100
64	M78	Z	-.526	-.526	0	%100
65	M79A	X	-.606	-.606	0	%100
66	M79A	Z	-1.05	-1.05	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, %]
67	M82	X	-.337	-.337	0	%100
68	M82	Z	-.583	-.583	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.202	-.202	0	%100
72	M87	Z	-.35	-.35	0	%100
73	M88A	X	-.617	-.617	0	%100
74	M88A	Z	-1.069	-1.069	0	%100
75	M90	X	-.65	-.65	0	%100
76	M90	Z	-1.126	-1.126	0	%100
77	M92A	X	-.202	-.202	0	%100
78	M92A	Z	-.35	-.35	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-.349	-.349	0	%100
86	M91B	Z	-.604	-.604	0	%100
87	MP3C	X	-.32	-.32	0	%100
88	MP3C	Z	-.554	-.554	0	%100
89	MP4C	X	-.32	-.32	0	%100
90	MP4C	Z	-.554	-.554	0	%100
91	MP2C	X	-.32	-.32	0	%100
92	MP2C	Z	-.554	-.554	0	%100
93	MP1C	X	-.32	-.32	0	%100
94	MP1C	Z	-.554	-.554	0	%100
95	MP3B	X	-.32	-.32	0	%100
96	MP3B	Z	-.554	-.554	0	%100
97	MP4B	X	-.32	-.32	0	%100
98	MP4B	Z	-.554	-.554	0	%100
99	MP2B	X	-.32	-.32	0	%100
100	MP2B	Z	-.554	-.554	0	%100
101	MP1B	X	-.32	-.32	0	%100
102	MP1B	Z	-.554	-.554	0	%100
103	M100	X	-.24	-.24	0	%100
104	M100	Z	-.416	-.416	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M110	X	-.24	-.24	0	%100
108	M110	Z	-.416	-.416	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-.291	-.291	0	%100
112	M122	Z	-.505	-.505	0	%100
113	M123	X	-.291	-.291	0	%100
114	M123	Z	-.505	-.505	0	%100
115	OVPB	X	-.262	-.262	0	%100
116	OVPB	Z	-.453	-.453	0	%100
117	OVPA	X	-.262	-.262	0	%100
118	OVPA	Z	-.453	-.453	0	%100

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
No Data to Print ...						

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	1087.086	10	2767.848	13	2254.399	1	5.732	13	1.508	4	.203	16
2		min	-1063.946	4	590.658	7	-2394.13	7	.604	7	-1.484	10	-.061	10
3	N87D	max	2057.279	10	2811.49	21	1206.304	2	-.263	3	1.545	12	-.555	3
4		min	-2186.143	4	591.05	3	-1149.248	7	-2.75	21	-1.51	6	-5.112	21
5	N115	max	1818.364	11	2590.098	17	1535.12	1	-.389	11	1.52	8	4.711	17
6		min	-1715.325	5	552.838	11	-1450.282	7	-2.982	17	-1.494	2	.561	11
7	Totals:	max	4815.157	10	7852.484	13	4993.663	1						
8		min	-4815.156	4	2860.545	7	-4993.661	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 y	phi*Mn z	Cb	Eqn
1	FACE	PIPE 3.0	.139	7.552	20	.078	4.167		18	28250.5...	65205	5.749	5.749	1...	H1-1b
2	M4	HSS4X4X4	.364	0	15	.086	0	y	14	124657....	139518	16.181	16.181	3...	H1-1b
3	M10	HSS4X4X4	.173	2.375	14	.059	2.375	y	22	136263....	139518	16.181	16.181	1...	H1-1b
4	MP3A	PIPE 2.0	.301	3.5	5	.087	3.5		7	17855.0...	32130	1.872	1.872	1...	H1-1b
5	MP4A	PIPE 2.0	.245	3.5	17	.077	3.5		6	17855.0...	32130	1.872	1.872	1...	H1-1b
6	MP2A	PIPE 2.0	.337	3.5	9	.106	3.5		10	17855.0...	32130	1.872	1.872	1...	H1-1b
7	MP1A	PIPE 2.0	.264	3.5	21	.086	.51		7	17855.0...	32130	1.872	1.872	1...	H1-1b
8	M43	HSS4X4X4	.182	0	24	.051	0	y	15	136263....	139518	16.181	16.181	1...	H1-1b
9	M46	PL1/2x6	.144	.516	8	.137	.516	y	22	66009.2...	97200	1.012	12.15	1...	H1-1b
10	M51B	L2x2x3	.153	4.162	2	.006	0	y	17	9823.122	23392.8	.558	1.074	1...	H2-1
11	M52B	L2x2x3	.118	4.162	12	.010	4.162	y	21	9823.122	23392.8	.558	1.074	1...	H2-1
12	M76	PL3/8x6	.156	0	4	.176	0	y	18	70647.0...	72900	.57	9.113	1...	H1-1b
13	M77	PL3/8x6	.277	.167	8	.358	0	y	14	71583.5...	72900	.57	9.113	1...	H1-1b
14	M80	PL1/2x6	.042	.112	12	.085	0	y	23	96757.5...	97200	1.012	12.15	1...	H1-1b
15	M84	PL3/8x6	.133	0	12	.316	0	y	20	70647.0...	72900	.57	9.113	1...	H1-1b
16	M85	PL3/8x6	.214	.167	6	.363	0	y	13	71583.5...	72900	.57	9.113	1...	H1-1b
17	M91	PL1/2x6	.046	.112	1	.062	.112	y	9	96757.5...	97200	1.012	12.15	1...	H1-1b
18	M52A	HSS4X4X4	.371	0	23	.087	0	y	22	124657....	139518	16.181	16.181	3...	H1-1b
19	M53	HSS4X4X4	.175	2.375	22	.059	2.375	y	17	136263....	139518	16.181	16.181	1...	H1-1b
20	M54	HSS4X4X4	.184	0	20	.052	0	y	23	136263....	139518	16.181	16.181	1...	H1-1b
21	M55	PL1/2x6	.147	.516	8	.137	.516	y	18	66009.2...	97200	1.012	12.15	1...	H1-1b
22	M58A	L2x2x3	.152	4.162	10	.006	0	y	13	9823.122	23392.8	.558	1.074	1...	H2-1
23	M59A	L2x2x3	.121	4.162	8	.010	4.162	y	17	9823.122	23392.8	.558	1.074	1...	H2-1
24	M63	PL3/8x6	.160	0	12	.181	0	y	14	70647.0...	72900	.57	9.113	1...	H1-1b
25	M64	PL3/8x6	.272	.167	4	.362	0	y	22	71583.5...	72900	.57	9.113	1...	H1-1b
26	M66	PL1/2x6	.042	.112	8	.085	0	y	19	96757.5...	97200	1.012	12.15	1...	H1-1b
27	M68	PL3/8x6	.140	0	6	.316	0	y	16	70647.0...	72900	.57	9.113	1...	H1-1b
28	M69	PL3/8x6	.224	.167	2	.367	0	y	20	71583.5...	72900	.57	9.113	1...	H1-1b
29	M71	PL1/2x6	.048	.112	9	.061	.112	y	41	96757.5...	97200	1.012	12.15	1...	H1-1b
30	M76A	HSS4X4X4	.355	0	19	.094	0	y	30	124657....	139518	16.181	16.181	2...	H1-1b
31	M77A	HSS4X4X4	.174	2.375	18	.059	2.375	y	14	136263....	139518	16.181	16.181	1...	H1-1b
32	M78	HSS4X4X4	.184	0	16	.052	0	y	19	136263....	139518	16.181	16.181	1...	H1-1b
33	M79A	PL1/2x6	.145	.516	4	.167	.516	y	38	66009.2...	97200	1.012	12.15	1...	H1-1b
34	M82	L2x2x3	.148	4.162	6	.006	0	y	21	9823.122	23392.8	.558	1.074	1...	H2-1
35	M83A	L2x2x3	.118	4.162	4	.010	4.162	y	13	9823.122	23392.8	.558	1.074	1...	H2-1
36	M87	PL3/8x6	.181	0	8	.178	0	y	22	70647.0...	72900	.57	9.113	1...	H1-1b
37	M88A	PL3/8x6	.265	.167	12	.361	0	y	18	71583.5...	72900	.57	9.113	1...	H1-1b
38	M90	PL1/2x6	.045	.112	3	.181	0	y	39	96757.5...	97200	1.012	12.15	1...	H1-1b

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

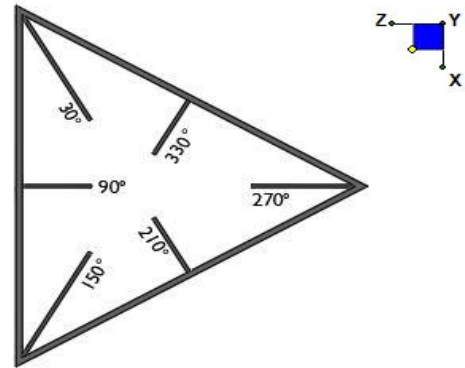
	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...]	phi*Mn y...	phi*Mn z...	Cb	Eqn
39	M92A	PL3/8x6	.143	0	1	.316	0	y	24	70647.0...	72900	.57	9.113	2...	H1-1b
40	M93	PL3/8x6	.214	.167	10	.365	0	y	16	71583.5...	72900	.57	9.113	1...	H1-1b
41	M95	PL1/2x6	.046	.112	4	.074	.112	y	37	96757.5...	97200	1.012	12.15	1...	H1-1b
42	M82A	PIPE 3.0	.141	7.552	16	.077	4.167		14	28250.5...	65205	5.749	5.749	1...	H1-1b
43	M91B	PIPE 3.0	.139	7.552	24	.072	4.167		22	28250.5...	65205	5.749	5.749	1...	H1-1b
44	MP3C	PIPE 2.0	.314	3.5	1	.082	3.5		3	17855.0...	32130	1.872	1.872	1...	H1-1b
45	MP4C	PIPE 2.0	.244	3.5	13	.079	3.5		2	17855.0...	32130	1.872	1.872	1...	H1-1b
46	MP2C	PIPE 2.0	.330	3.5	6	.106	3.5		6	17855.0...	32130	1.872	1.872	1...	H1-1b
47	MP1C	PIPE 2.0	.263	3.5	18	.090	.51		3	17855.0...	32130	1.872	1.872	2...	H1-1b
48	MP3B	PIPE 2.0	.313	3.5	9	.082	3.5		11	17855.0...	32130	1.872	1.872	1...	H1-1b
49	MP4B	PIPE 2.0	.245	3.5	21	.076	3.5		10	17855.0...	32130	1.872	1.872	1...	H1-1b
50	MP2B	PIPE 2.0	.336	3.5	2	.083	3.5		10	17855.0...	32130	1.872	1.872	1...	H1-1b
51	MP1B	PIPE 2.0	.258	3.5	14	.088	.51		11	17855.0...	32130	1.872	1.872	1...	H1-1b
52	M100	PIPE 2.0	.195	4.167	20	.097	1.172		7	6295.422	32130	1.872	1.872	2...	H1-1b
53	M105	PIPE 2.0	.195	4.167	17	.094	1.172		2	6295.422	32130	1.872	1.872	2...	H1-1b
54	M110	PIPE 2.0	.192	4.167	13	.091	1.172		11	6295.422	32130	1.872	1.872	2...	H1-1b
55	M121	L2.5x2.5x4	.215	0	11	.037	0	z	6	36221.5...	38556	1.114	2.537	2...	H2-1
56	M122	L2.5x2.5x4	.221	0	3	.037	0	z	9	36221.5...	38556	1.114	2.537	2...	H2-1
57	M123	L2.5x2.5x4	.223	0	7	.039	0	z	2	36221.5...	38556	1.114	2.537	2...	H2-1
58	OVPB	PIPE 2.0	.049	2	1	.017	2		1	28843.4...	32130	1.872	1.872	1	H1-1b
59	OVPA	PIPE 2.0	.052	2	7	.018	2		7	28843.4...	32130	1.872	1.872	1...	H1-1b



I. Mount-to-Tower Connection Check

RISA Model Data

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



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

d_x (in) (Delta X of typ. bolt config. sketch):

d_y (in) (Delta Y of typ. bolt config. sketch):

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

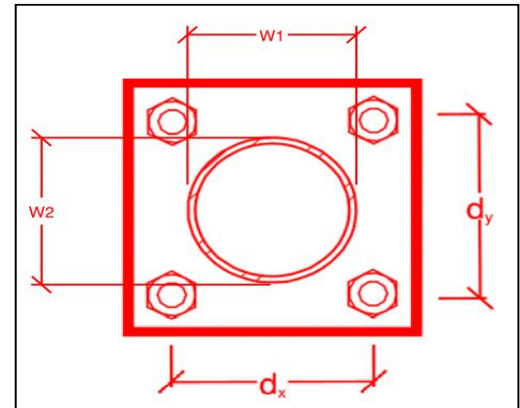
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
6
6
A325N
0.625
24.2
4.5
20.7
12.4
29.2%*
9.0%



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:

Plate Width (in):

Plate Height (in):

W1 (in):

W2 (in):

Fy (ksi, plate):

t_{plate} (in):

Weld Size (1/16 in):

$\Phi \cdot R_n$ (kip/in):

Required Weld Strength (kip/in):

Plate Bending Capacity:

Weld Capacity:

RECT
8
8
4
4
36
0.75
6
8.35
3.37
33.5%
40.4%

Max Plate Bending Strengths

$M_{u_{xx}}$ (kip-in):	11.4
$\Phi \cdot M_{n_{xx}}$ (kip-in):	36.5
$M_{u_{yy}}$ (kip-in):	0.8
$\Phi \cdot M_{n_{yy}}$ (kip-in):	36.5

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – **New Mount Passing MA**

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

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

Base Requirements:

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

Photo Requirements:

- Base and “During Installation Photos”
 - Base pictures include
 - Photo of Gate Signs showing the tower owner, site name, and number
 - Photo of carrier shelter showing the carrier site name and number if available
 - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
 - “During Installation Photos if provided - must be placed only in this folder
- Photos taken at ground level
 - Overall tower structure before and after installation of the modifications
 - Photos of the appropriate mount before and after installation of the new mount;
- Photos taken at Mount Elevation
 - Photos showing each individual sector before and also after installation of equipment.
 - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
 - Photos showing the newly installed mount that is as specified in the Mount Analysis

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

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.
- ☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.
- ☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual:

Company	
Name	
Signature	

New Mount Certification:

- The contractor must certify that the New Mount installed is as specified
- The contractor certifies that the New Mount installed is as specified in the Passing Mount Analysis
- The contractor notes that the New Mount installed is not as specified and engineering approval was received for the New Mount Installed
- The contractor did not install the New Mount specified in the Passing Mount Analysis

Certifying Individual:

Company	
Name	
Signature	

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

Issue:

Contractor to install 36" long P2.0 STD mount pipe on standoff horizontal between Alpha & Beta sector and Beta & Gamma sector. Attach proposed mount pipe to the standoff with crossover plate (Site Pro 1 – SQCX4-K, or EOR approved equivalent). Contractor shall attach proposed/relocated OVP 12" from top of each mount pipe.

Install the four 84" long P2.0 STD mount pipes per sector with a U-Value (Distance from the bottom face horizontal to the top of the mount pipe) at 42".

Install the mount pipes evenly spaced along the face horizontal as shown in the rendered mount image in the report.

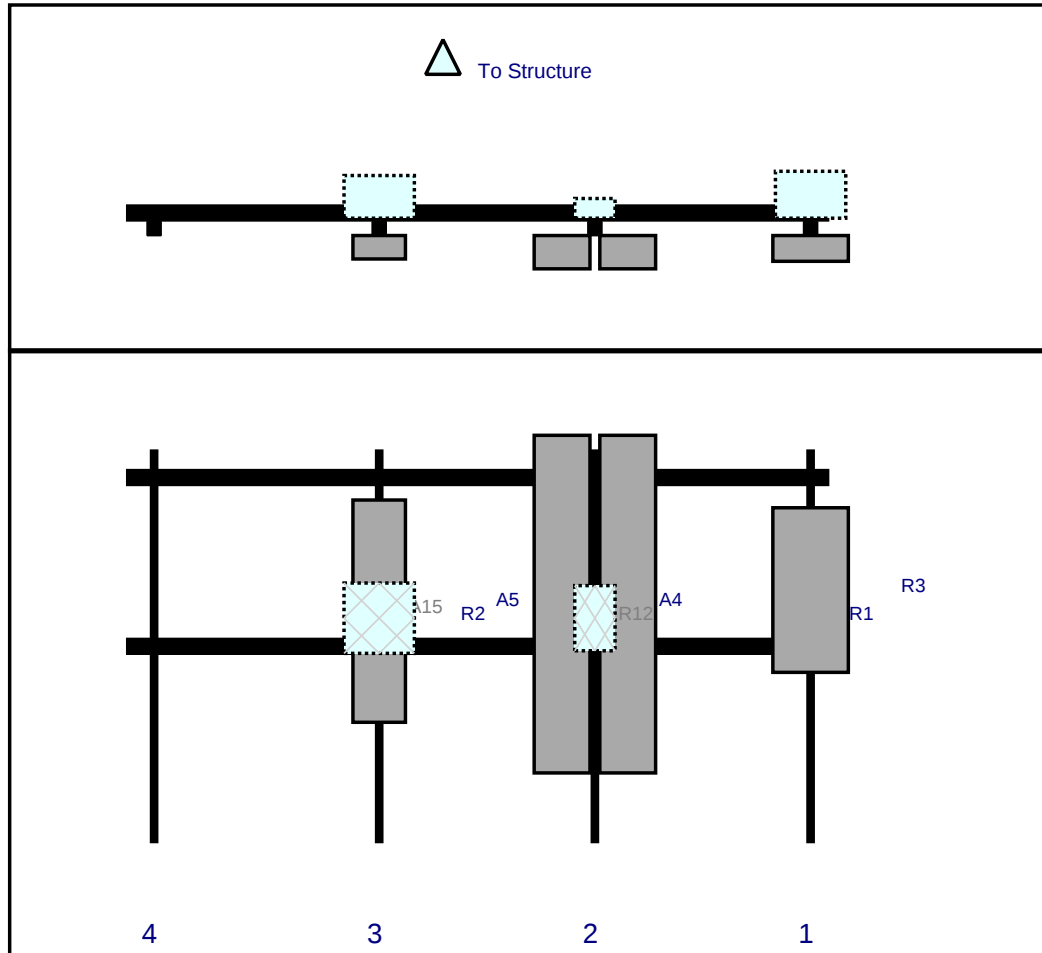
Install one Site Pro 1, Part # HRK12 kit, 36" above the face horizontal.

Response:

Schedule A – Photo & Document File Structure

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

Plan View



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A4	NHH-65B-R2B	72	11.9	100	2	a	Front	33	7	Added	
A5	NHHSS-65B-R2BT0	72	11.9	100	2	a	Front	33	-7	Added	
R12	RT4401-48A	13.9	8.6	100	2	a	Behind	36	0	Added	
R1	RF4439d-25A	15	15	146	1	a	Behind	36	0	Added	
R3	MT6407-77A	35.1	16.1	146	1	a	Front	30	0	Added	
A15	BXA-80063/4CF	47.4	11.2	54	3	a	Front	34.5	0	Retained	
R2	RF4440d-13A	15	15	54	3	a	Behind	36	0	Added	

Sector: B

8/2/2021

Structure Type: Monopole

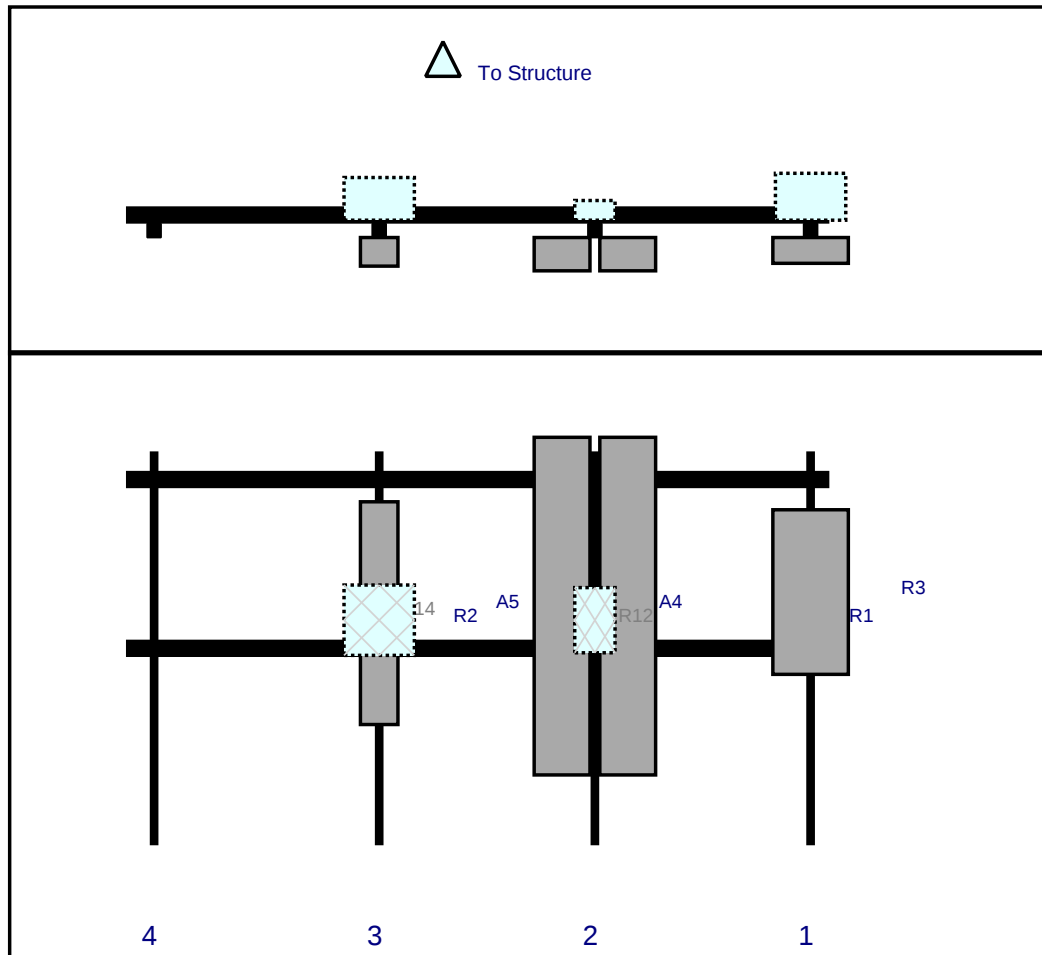
10039574

Mount Elev: 147.25

Page: 2

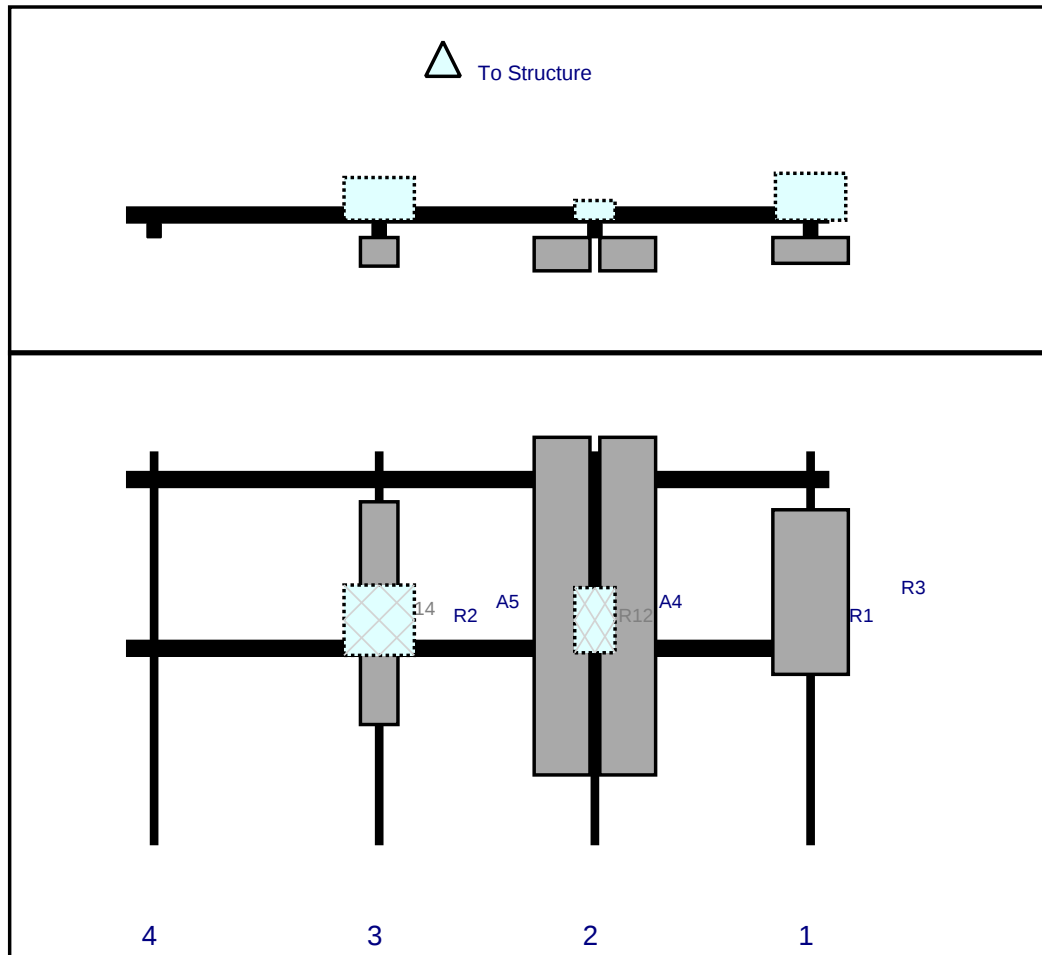


Plan View



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A4	NHH-65B-R2B	72	11.9	100	2	a	Front	33	7	Added	
A5	NHHSS-65B-R2BT0	72	11.9	100	2	a	Front	33	-7	Added	
R12	RT4401-48A	13.9	8.6	100	2	a	Behind	36	0	Added	
A14	BXA-70080-4CF	47.5	8	54	3	a	Front	34.5	0	Retained	
R2	RF4440d-13A	15	15	54	3	a	Behind	36	0	Added	
R1	RF4439d-25A	15	15	146	1	a	Behind	36	0	Added	
R3	MT6407-77A	35.1	16.1	146	1	a	Front	30	0	Added	

Plan View



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
R1	RF4439d-25A	15	15	146	1	a	Behind	36	0	Added	
R3	MT6407-77A	35.1	16.1	146	1	a	Front	30	0	Added	
A4	NHH-65B-R2B	72	11.9	100	2	a	Front	33	7	Added	
A5	NHHSS-65B-R2BT0	72	11.9	100	2	a	Front	33	-7	Added	
R12	RT4401-48A	13.9	8.6	100	2	a	Behind	36	0	Added	
A14	BXA-70080-4CF	47.5	8	54	3	a	Front	34.5	0	Retained	
R2	RF4440d-13A	15	15	54	3	a	Behind	36	0	Added	

Maser Consulting Connecticut

Subject

TIA-222-H Usage

Site Information

Site ID: 467160-VZW / ENFIELD CT
Site Name: ENFIELD CT
Carrier Name: Verizon Wireless
Address: 4 Oliver Street
Enfield, Connecticut 06082
Hartford County
Latitude: 41.960097°
Longitude: -72.592311°

Structure Information

Tower Type: 160-Ft Monopole
Mount Type: 12.50-Ft Platform

To Whom It May Concern,

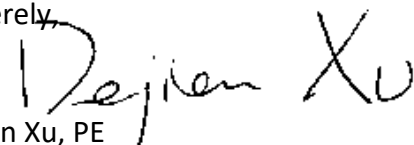
We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

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

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

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

Sincerely,



Dejian Xu, PE
Technical Manager

Exhibit F

Power Density/RF Emissions Report

Site Name: *ENFIELD 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	686	2744	150	0.0044	0.5007	0.88%
VZW CDMA	869	2	392	784	150	0.0013	0.5793	0.22%
VZW Cellular	869	4	691	2764	150	0.0044	0.5793	0.76%
VZW PCS	1980	4	1486	5944	150	0.0095	1.0000	0.95%
VZW AWS	2125	4	1429	5716	150	0.0091	1.0000	0.91%
VZW CBAND	3730	4	6531	26124	150	0.0418	1.0000	4.18%
VZW CBRS	3625	4	12	48	150	0.0001	1.0000	0.01%
Total Percentage of Maximum Permissible Exposure								7.90%

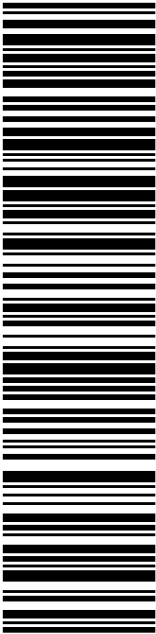
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification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

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

Absolute worst case maximum values used.

Exhibit F

Recipient Mailings

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P	usps.com US POSTAGE Flat Rate Env 11/16/2021 Mailed from 01566
PRIORITY MAIL 2-DAY™	
DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	Expected Delivery Date: 11/19/21 Re#: CR-806373 0006
SHIP TO: ROBERT CRESSOTTI MAYOR- ENFIELD 820 ENFIELD ST ENFIELD CT 06082-2964	
USPS TRACKING #  9405 5036 9930 0063 8647 47	
Electronic Rate Approved #038555749	

✂ ————— Cut on dotted line.

Instructions

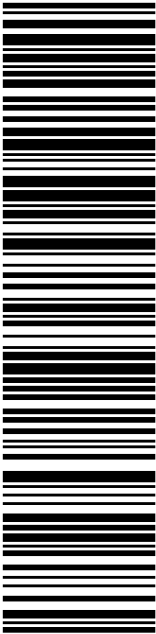
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USPS TRACKING # : 9405 5036 9930 0063 8647 47	
Trans. #: 548495470 Print Date: 11/16/2021 Ship Date: 11/16/2021 Expected Delivery Date: 11/19/2021	Priority Mail® Postage: \$8.70 Total: \$8.70
From: DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	
To: ROBERT CRESSOTTI MAYOR- ENFIELD 820 ENFIELD ST ENFIELD CT 06082-2964	
Re#: CR-806373	
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SHIP TO: CHRISTOPHER W BROMSOM TOWN OF ENFIELD- TOWN MANAGER 820 ENFIELD ST ENFIELD CT 06082-2964	
USPS TRACKING #  9405 5036 9930 0063 8647 54	
Electronic Rate Approved #038555749	



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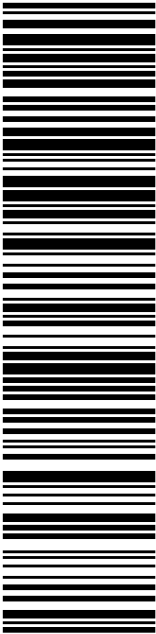
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To: CHRISTOPHER W BROMSOM TOWN OF ENFIELD- TOWN MANAGER 820 ENFIELD ST ENFIELD CT 06082-2964	
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PRIORITY MAIL 2-DAY™	
DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	Expected Delivery Date: 11/19/21 Re#: CR-806373 0006
SHIP TO: JENNIFER PACACHA ASSISTANT TOWN PLANNER- ENFIELD 820 ENFIELD ST ENFIELD CT 06082-2964	
USPS TRACKING #  9405 5036 9930 0063 8647 78	
Electronic Rate Approved #038555749	

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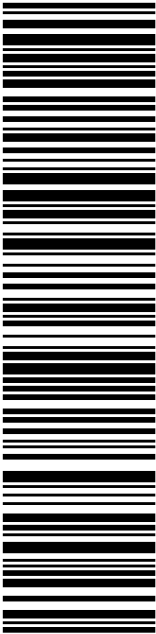
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USPS TRACKING # : 9405 5036 9930 0063 8647 78	
Trans. #: 548495470 Print Date: 11/16/2021 Ship Date: 11/16/2021 Expected Delivery Date: 11/19/2021	Priority Mail® Postage: \$8.70 Total: \$8.70
From: DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	
To: JENNIFER PACACHA ASSISTANT TOWN PLANNER- ENFIELD 820 ENFIELD ST ENFIELD CT 06082-2964	
Re#: CR-806373	
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PRIORITY MAIL 1-DAY™	
DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	Expected Delivery Date: 11/17/21 Re#: CR-806373 0006
SHIP TO: SARAH SNELL 1800 W PARK DR WESTBOROUGH MA 01581-3926	
USPS TRACKING #  9405 5036 9930 0063 8647 85	
Electronic Rate Approved #038555749	



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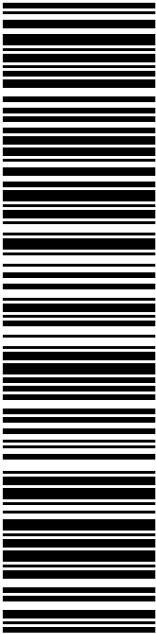
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Click-N-Ship® Label Record

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Trans. #: 548495470 Print Date: 11/16/2021 Ship Date: 11/16/2021 Expected Delivery Date: 11/17/2021	Priority Mail® Postage: \$8.70 Total: \$8.70
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To: SARAH SNELL 1800 W PARK DR WESTBOROUGH MA 01581-3926	
Re#: CR-806373	
* 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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P	usps.com US POSTAGE Flat Rate Env 11/16/2021 Mailed from 01566
PRIORITY MAIL 3-DAY™	
DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	Expected Delivery Date: 11/20/21 Re#: CR-806363 0006
SHIP TO: OLIVER ROAD HOLDING LLC CROWN CASTLE PO BOX 353 MCMURRAY PA 15317	
USPS TRACKING #  9405 5036 9930 0063 9982 99	
Electronic Rate Approved #038555749	

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Instructions

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- Place your label so it does not wrap around the edge of the package.
- 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.
- To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.
- Mail your package on the "Ship Date" you selected when creating this label.

Click-N-Ship® Label Record

USPS TRACKING # : 9405 5036 9930 0063 9982 99	
Trans. #: 548507382 Print Date: 11/16/2021 Ship Date: 11/16/2021 Expected Delivery Date: 11/20/2021	Priority Mail® Postage: \$8.70 Total: \$8.70
From: DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	
To: OLIVER ROAD HOLDING LLC CROWN CASTLE PO BOX 353 MCMURRAY PA 15317	
Re#: CR-806363	
* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.	



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

806373



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

11/17/2021

03:01 PM

Product	Qty	Unit Price	Price
Prepaid Mail	1		\$0.00
Westborough, MA 01581			
Weight: 0 lb 2.00 oz			
Acceptance Date:			
Wed 11/17/2021			
Tracking #:			
9405 5036 9930 0063 8647 85			
Prepaid Mail	1		\$0.00
Enfield, CT 06082			
Weight: 0 lb 6.50 oz			
Acceptance Date:			
Wed 11/17/2021			
Tracking #:			
9405 5036 9930 0063 8647 54			
Prepaid Mail	1		\$0.00
Canonsburg, PA 15317			
Weight: 0 lb 6.40 oz			
Acceptance Date:			
Wed 11/17/2021			
Tracking #:			
9405 5036 9930 0063 9982 99			
Prepaid Mail	1		\$0.00
Enfield, CT 06082			
Weight: 0 lb 6.50 oz			
Acceptance Date:			
Wed 11/17/2021			
Tracking #:			
9405 5036 9930 0063 8647 78			
Prepaid Mail	1		\$0.00
Enfield, CT 06082			
Weight: 0 lb 6.50 oz			
Acceptance Date:			
Wed 11/17/2021			
Tracking #:			
9405 5036 9930 0063 8647 47			