NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

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

December 9, 2021

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

RE: Exempt Modification Application
741 Flanders Road, Groton, CT 06340
Latitude: 41.369897
Longitude: -72.008255
Site #: 824359_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 741 Flanders Road, Groton, CT 06340. Verizon Wireless currently maintains fifteen (15) antennas at the 110-foot level of the existing 130-foot tower. The property is owned by the Town of Groton and the tower is owned by Crown Castle. Verizon now intends to replace nine (9) antennas. The new antennas would be installed at the 110-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable. Antenna mount modifications will be completed as per the attached Maser mount analysis dated September 10, 2021.

Verizon Planned Modifications:

Remove: None

Remove and Replace:
(6) HBXX-6517DS-A2M Antennas (REMOVE) – (6) MX06FR0660-03 Antennas (REPLACE)
(3) LNX-6514DS-A1M Antennas (REMOVE) – (3) MT6407-77A Antennas (REPLACE)
(3) Nokia B4 RRH (REMOVE) – (3) Samsung RF4440D-13A RRH (REPLACE)

Install New:
(3) Samsung RF4439D-25A RRH

Existing to Remain:
(6) ANTEL Antennas
(2) RFS Pendant
(18) 1-5/8" Coax
(2) Hybrid Lines

The facility was approved by the Town of Groton Zoning Commission on September 2, 1998. Please see attached.

NORTHEAST SITE SOLUTIONS

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Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies§ 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.SA. § 16-SOj-73, a copy of this letter is being sent to Mayor Patrice Granatosky, John Burt, Town Manager and Jonathan Reiner, Director of Planning for the Town of Groton. A copy is also being sent to the tower owner and property owner.

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

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

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

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

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

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

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

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

Sincerely,

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

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Attachments

Cc: Mayor Patrice Granatosky – Elected Official & Property Owner
Town of Groton
45 Fort Hill Rd.
Groton, CT 06340

John Burt - Town Manager
Town of Groton
45 Fort Hill Rd.
Groton, CT 06340

Jonathan Reiner - Director of Planning
Town of Groton
45 Fort Hill Rd.
Groton, CT 06340

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

Town of Groton

Building Inspection

CT11-044-E

BUILDING/ZONING PERMIT APPLICATION

Please Print

(office use only)

Permit No. 98-534 Date Permit Issued 11-24-98

Bldg. Zon. C.O.

Estimated Cost $53,000 Fee 436 Pd

Address of Building Groton Landfill Flanders Road @ I-95

Zone IP-80B zone Map Block Lot

Owner Town of Groton Address 45 Fort Hill Rd. Ph. #

Contractor Conti Enterprises, Inc. Address 3001 S. Clinton Ave. South Plainfiel NJ 07080

Nature of Proposed Work and Use. The constuction of a 150' monopole along with related equipment cabinet. Omnipcint Communications will use this site as a wireless telecommunications facility. (FAA REGULATIONS IF THEY APPLY FOR LIGHT PAINT)

Plans: Yes ☒ No ☐ Type of Construction Size

No. of Stories 150' monopole No. of Rooms N/A No. of Baths N/A

Garage N/A Breezeway N/A Fireplace N/A Heat N/A

ZONING PERMIT

(To be filled out in conjunction with a building permit involving any new structure, addition to an existing structure, or change of use.)

Flood Hazard District C HDC # N/A ZBA #

Site Plan Approval # XS-11 Special Zoning Permit # #255

Wetlands Coastal Area Management N/A

Site Suitability # Sewer # A2 Survey

Zoning Official Signature

I hereby certify that the proposed construction will conform to the applicable building and zoning regulations of the Town of Groton. AND ANY FAA REGULATIONS THAT MAY APPLY.

Signed Scott C. Hodgson As Agent Date Nov. 20, 1998 Lic. # 00900869

Phone # (203)855-5428 Building Official Approval

NO BUILDING OR STRUCTURE SHALL BE OCCUPIED OR USED, UNTIL A CERTIFICATE OF OCCUPANCY HAS BEEN ISSUED.

VOL 673 PAGE 538

TOWN OF GROTON

ZONING COMMISSION

NOTICE OF GRANT OF SPECIAL PERMIT #225

This is to certify that on September 2, 1998 the Zoning Commission of the Town of Groton granted a Special Permit under Section 7.1-41 of the Zoning Regulations as follows:

1. Owner of Record: Town of Groton (Omnipoint Communications, Inc., Applicant)

2. Description of the premises: 741 Flanders Road

3. Description of the special permit:

   Erection of a 150' telecommunications tower and associated equipment cabinet.

ZONING COMMISSION

by James S. Butler
James S. Butler, AICP
Director of Planning

Date: September 10, 1998

NOTE: This notice is to be recorded on the Land Records of the Town of Groton, indexed in the grantor's index under the name of the record owner.

RECEIVED FOR RECORD AT GROTON, CONN.
ON 9-22-98 AT 12:44 P
ATTEST BARBARA TARBOX, TOWN CLERK

Exhibit B

Property Card

Commercial Property Card

Print Date: 9/21/2021

Card 1 of 4

<<Back Next>>

Account	Location	Zoning	Deed Book/Page	Acres
260910266458 E	685 FLANDERS RD	IM	230/536	166.33

District	Use Code
POQUONNOCK BRIDGE	MUNICIPALITIES

Current Owner

GROTON TOWN OF TRANSFER STATION
741 FLANDERS RD
MYSTIC CT 06355

Property Picture

Building Information

Building No:	1
Year Built:	1979
No of Units:	1
Structure Type:	OFFICE WAREHOUSE
Building Total Area:	1880 sqft.
Grade:	C-
Identical Units:	1

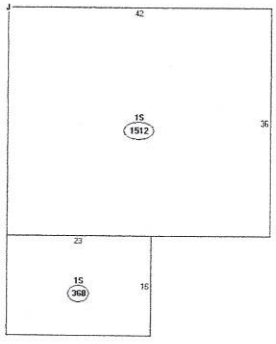
Valuation

Land:	$8,983,200
Building:	$348,900
Total:	$9,332,100
Total Assessed Value:	$6,532,470

Recent Sales

Book/Page	Date	Price
1082/828	11/17/2011	$0

Building Sketch

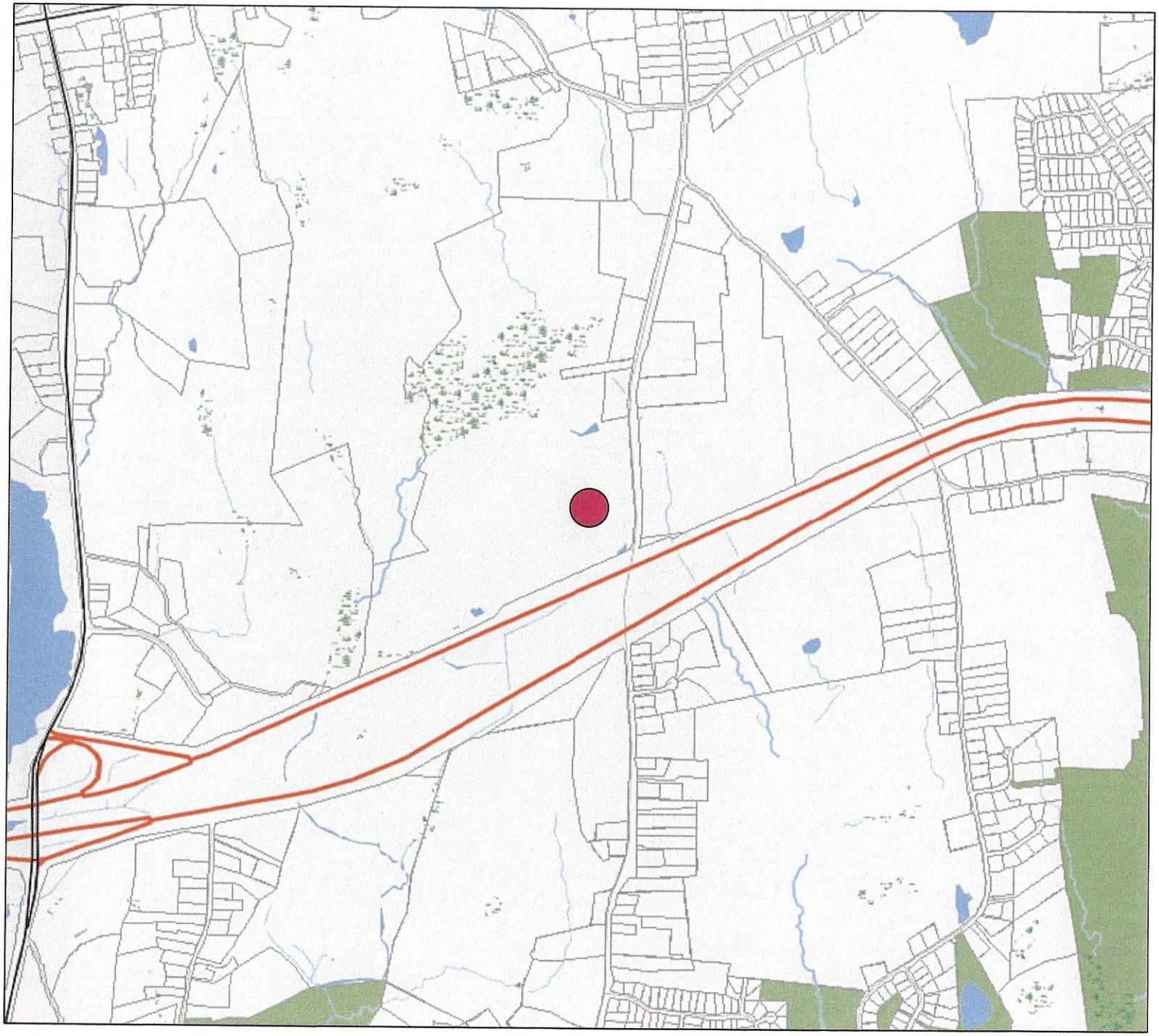


Sketch Legend

----	Main Living Area	1SMA	Masonry	GRHS	Attached Greenhouse
1FR	Frame	OMP	Open Masonry Porch	CAT	Cathedral Ceiling
OFP	Open Frame Porch	EMP	Enclosed Msry Porch	SOP	Screen Open Frame Prch
EFP	Enclosed Frame Porch	MUB	Masonry Utility	SMP	Screen Open Msnry Prch
FUB	Frame Utility Building	MB	Masonry Bay	CPAT	Concrete Patio
FB	Frame Bay	MOH	Masonry Overhang	B	Basement
FG	Frame Garage	.5MA	1/2 Story Masonry		
FOH	Frame Overhang	MP	Masonry Patio		
.5FR	1/2 Story Frame	WD	Wood Deck		
A(U)	Attic (Unfinished)	CPY	Canopy		
A(F)	Attic (Finished)				

Exterior/Interior Information

Levels	Use Type	Ext. Walls	Const. Type	Heating	A/C	Condition
01 - 01	MULTI-USE OFFICE	CONCRETE BLOCK	WOOD JOIST	UNIT HEAT	NONE	FAIR
01 - 01	WAREHOUSE	CONCRETE BLOCK	WOOD JOIST	NONE	NONE	FAIR



Town of Groton

GIS Map

Disclaimer:

The planimetric and topographic information depicted on this map was compiled by The Sanborn Map Company based on an aerial flight performed in April 2009. The parcel and property line information depicted on this map has been compiled from recorded deeds, maps, assessor records, and other sources of information in the Town of Groton. The intent of this map is to depict graphical representation of real property information relative to the planimetric features for the Town of Groton and is subject to change as a more accurate survey may disclose. The Town of Groton and the mapping companies assume no legal responsibility for the information contained in this data.
THIS MAP IS NOT TO BE USED FOR THE TRANSFER OF PROPERTY.

Horizontal Datum:
Connecticut State Plane Coordinates, North American Datum of 1983 (NAD83 Feet).

Vertical Datum:
North American Vertical Datum of 1988 (NAVD88)

N
W E
S

1 inch = 1,302 feet

Date: September 21, 2021

Map Created using the Town of Groton, Connecticut GIS Web Application

Exhibit C

Construction Drawings

VERIZON SITE NUMBER: 468619
VERIZON SITE NAME: GROTON 4 CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 130'-0"

BUSINESS UNIT #: 824359
SITE ADDRESS: 741 FLANDERS ROAD GROTON, CT 06340
COUNTY: NEW LONDON
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON 16244595

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	GROTON/ I-95/ X89/ NOA_1
SITE ADDRESS:	741 FLANDERS ROAD GROTON, CT 06340
COUNTY:	NEW LONDON
MAP/PARCEL #:	260910266458
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.369936°
LONGITUDE:	-72.008278°
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	197'
CURRENT ZONING:	IM - INDUSTRIAL, MIXED-USE
JURISDICTION:	CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	TOWN OF GROTON TRANSFER STATION 741 FLANDERS RD MYSTIC, CT 06355
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	CONNECTICUT LIGHT AND POWER OR NORTHEAST UTILITIES
TELCO PROVIDER:	NOT PROVIDED

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S. BOULDER AVE. TULSA, OK 74119 MARVIN PHILLIPS marvin.phillips@btgrp.com
CROWN CASTLE USA INC. DISTRICT CONTACTS:	1505 WESTLAKE AVENUE NORTH, SUITE 800 SEATTLE, WA 98109 N/A - PROJECT MANAGER ---- N/A - CONSTRUCTION MANAGER ----
VERIZON CONTACT:	TIMOTHY PARKS TIMOTHY.PARKS@VERIZONWIRELESS.COM

DRAWING INDEX

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

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 22X34. 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	10099906
VzW LOCATION CODE (PSLC)	468619

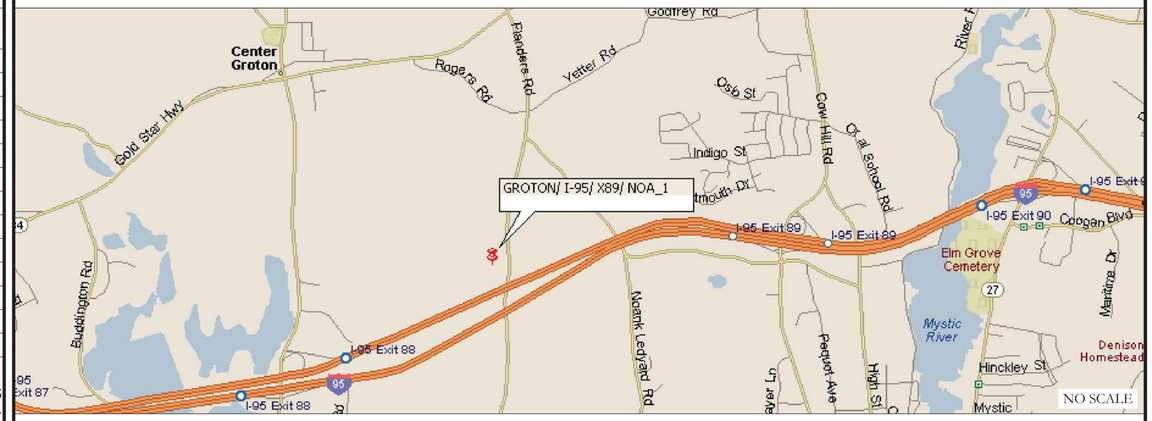
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

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 (819 HARTFORD TURNPIKE, WATERFORD, CT 06385)
GET ON I-95 N, HEAD NORTHWEST ON CT-85 N TOWARD DAYTON PL, MAKE A U-TURN AT DAYTON PL, TURN LEFT ONTO THE ROUTE 95 N RAMP TO NEW LONDON, FOLLOW I-95 N AND CT-184 E TO ROGERS RD IN GROTON, MERGE WITH I-95 N, USE THE LEFT 2 LANES TO TAKE EXIT 86 FOR CT-184/CT-12 TOWARD U.S. SUB BASE/GALES FERRY, CONTINUE ONTO CT-184 E, DRIVE TO FLANDERS RD, TURN RIGHT ONTO ROGERS RD, TURN RIGHT ONTO FLANDERS RD.

APPLICABLE CODES/REFERENCE DOCUMENTS

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

CODE TYPE	CODE
BUILDING	2015 IBC WITH AMENDMENTS / 2018 CT SBC
MECHANICAL	2015 IMC WITH AMENDMENTS
ELECTRICAL	2017 NEC WITH AMENDMENTS

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	B+T GROUP
DATED:	10/11/21
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	9/10/21
RFDS REVISION:	-
DATED:	7/28/21
ORDER ID:	589613
REVISION:	0

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

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:
- REMOVE (9) ANTENNAS
- REMOVE (3) RADIOS
- INSTALL (6) ANTENNAS
- INSTALL (3) ANTENNAS WITH INTEGRATED RADIO
- INSTALL (6) RADIOS
- INSTALL (1) SUPPORT RAIL KIT
- INSTALL (3) 72" MOUNT PIPES
- INSTALL (3) SIDE-BY-SIDE MOUNT BRACKETS

GROUND SCOPE OF WORK:
- REMOVE (3) COMMSCOPE - CBC7823T-DS-43 TRIPLEXERS
- REMOVE (3) NOKIA - UHBA B13 RRH 4X30 TRIPLEXERS

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
468619

BU #: **824359**
GROTON/ I-95/ X89/ NOA_1

741 FLANDERS ROAD
GROTON, CT 06340

EXISTING 130'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/18/21	JJR	CONSTRUCTION	JJR

COLORADO REGISTERED PROFESSIONAL ENGINEER 35386 11/18/21

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

SHEET NUMBER:	REVISION:
T-1	0

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

GREENFIELD GROUNDING NOTES:

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

ELECTRICAL INSTALLATION NOTES:

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

CONDUCTOR COLOR CODE

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

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

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180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
468619

BU #: **824359**
GROTON/ I-95/ X89/ NOA_1

741 FLANDERS ROAD
GROTON, CT 06340

EXISTING 130'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/18/21	JJR	CONSTRUCTION	JJR

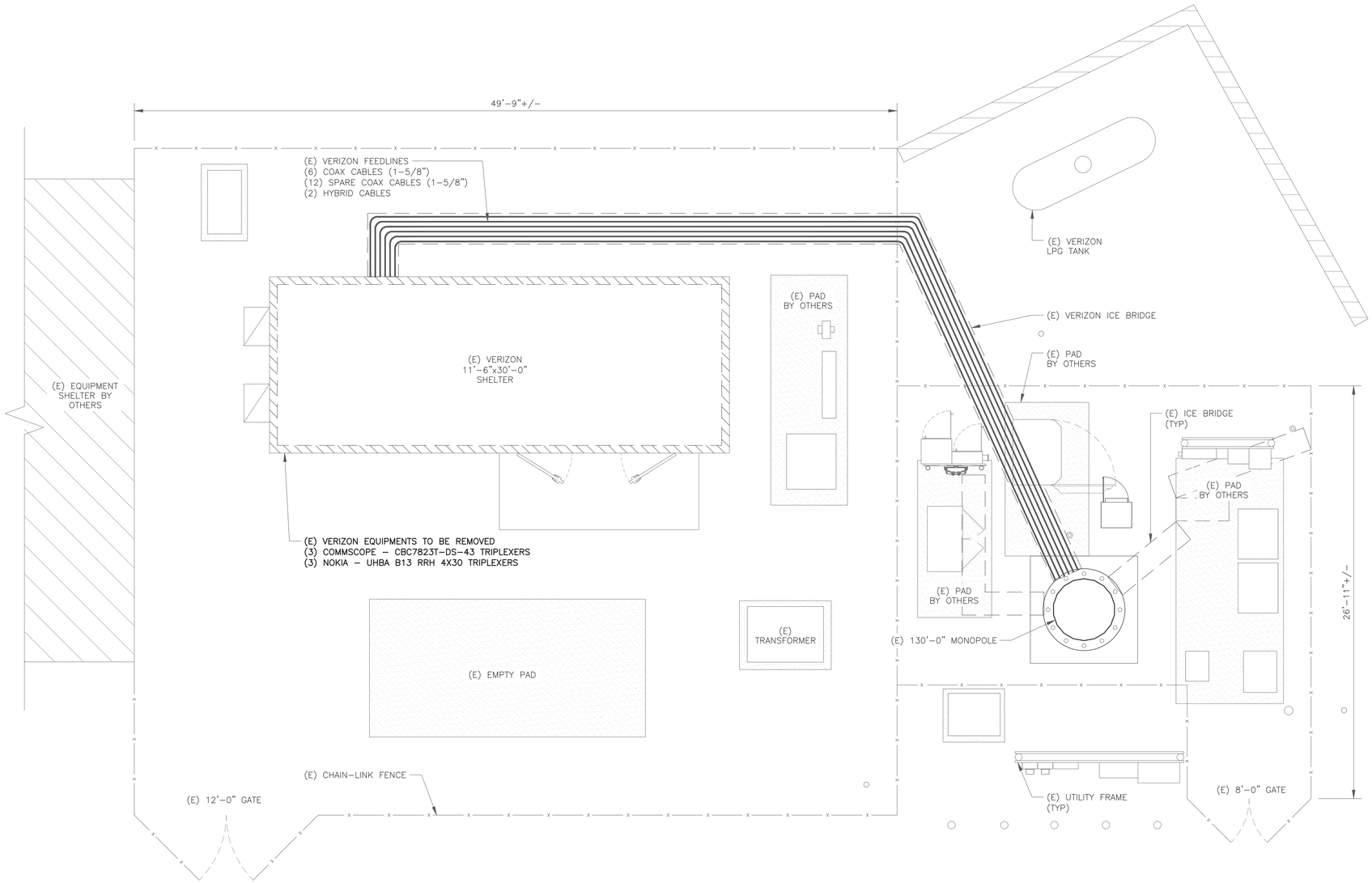
35386
11/18/21

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

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-2
REVISION: 0

137216.008.01_GROTON – I-95 – X89 – NOA_1.dwg – Sheet:T-2 – User: jrichardson – Nov 18, 2021 – 6:29pm



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

N

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VERIZON SITE NUMBER:
468619

BU #: **824359**
GROTON/ I-95/ X89/ NOA_1

741 FLANDERS ROAD
GROTON, CT 06340

EXISTING 130'-0" MONOPOLE

ISSUED FOR:

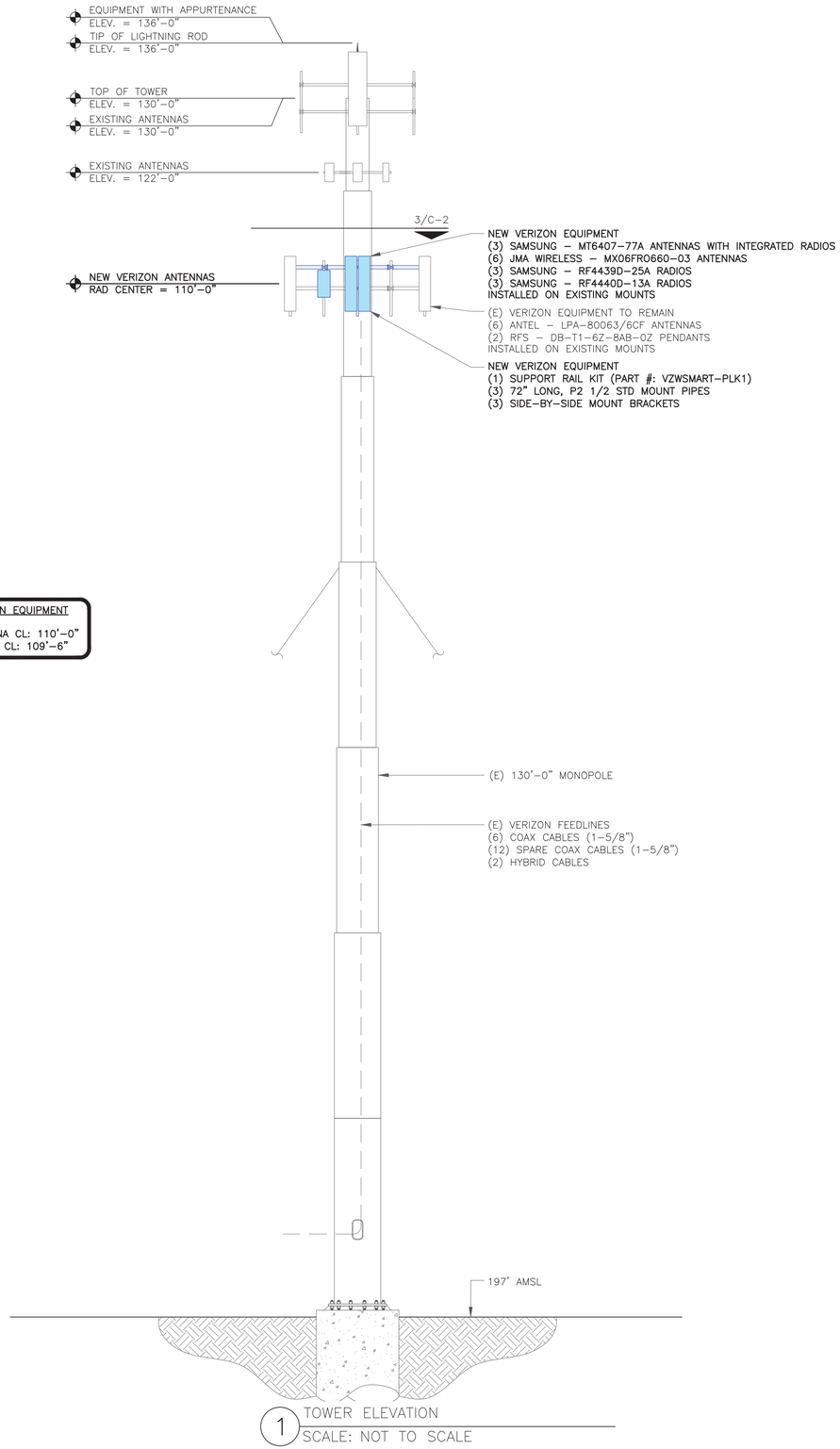
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/18/21	JJR	CONSTRUCTION	JJR

COLORADO REGISTERED 35386 PROFESSIONAL ENGINEER
11/18/21

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

SHEET NUMBER: C-1
REVISION: 0

137216.008.01_GROTON - I-95 - X89 - NOA_1.dwg - Sheet:C-1 - User: jrichardson - Nov 18, 2021 - 6:29pm



1 TOWER ELEVATION
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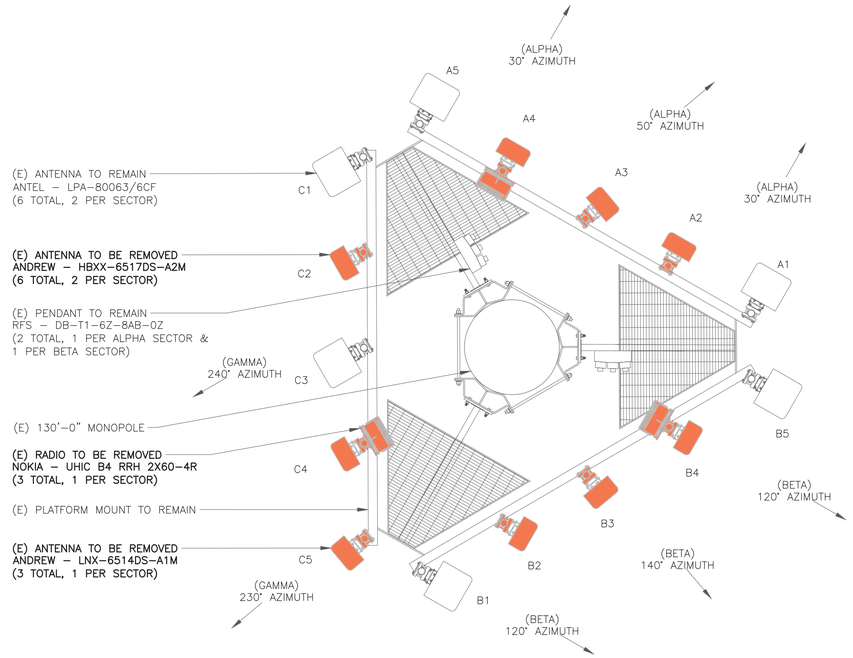

2 EXISTING ANTENNA PLAN
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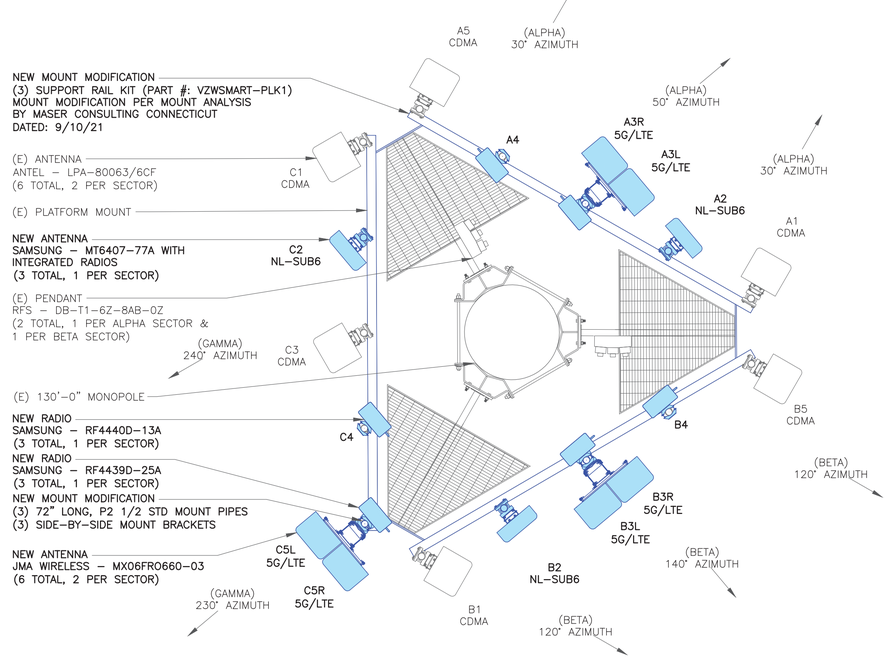

3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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741 FLANDERS ROAD
GROTON, CT 06340

EXISTING 130'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/18/21	JJR	CONSTRUCTION	JJR

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

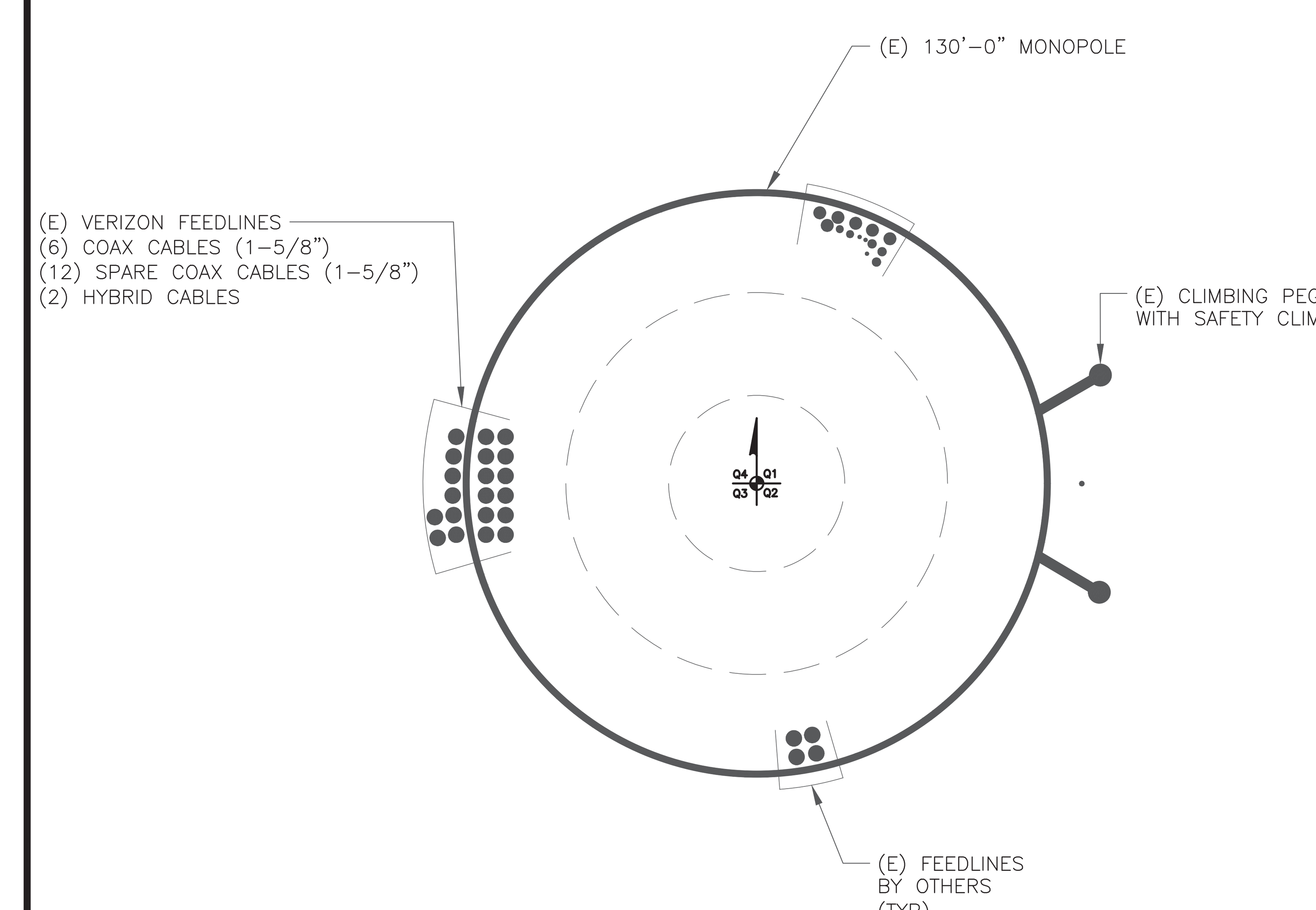
SHEET NUMBER: C-2

REVISION: 0

ANTENNA/RRH SCHEDULE									
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	ANTEL	LPA-80063/6CF	110'-0"	30°	2°	0°	RFS	(1) DB-T1-6Z-8AB-0Z
A2	NEW	SAMSUNG	MT6407-77A	110'-0"	50°	0°	6°	–	INTEGRATED RADIO
A3L	NEW	JMA WIRELESS	MX06FRO660-03	110'-0"	50°	0°	4°/4°/4°/2°	SAMSUNG	(1) RF4439D-25A
A3R	NEW	JMA WIRELESS	MX06FRO660-03	110'-0"	50°	0°	4°/4°/4°/2°	SAMSUNG	(1) RF4440D-13A
A4	–	–	–	–	–	–	–	–	–
A5	EXISTING	ANTEL	LPA-80063/6CF	110'-0"	30°	2°	0°	–	–
B1	EXISTING	ANTEL	LPA-80063/6CF	110'-0"	120°	2°	0°	RFS	(1) DB-T1-6Z-8AB-0Z
B2	NEW	SAMSUNG	MT6407-77A	110'-0"	140°	0°	6°	–	INTEGRATED RADIO
B3L	NEW	JMA WIRELESS	MX06FRO660-03	110'-0"	140°	0°	6°/6°/6°/2°	SAMSUNG	(1) RF4439D-25A
B3R	NEW	JMA WIRELESS	MX06FRO660-03	110'-0"	140°	0°	6°/6°/6°/2°	SAMSUNG	(1) RF4440D-13A
B4	–	–	–	–	–	–	–	–	–
B5	EXISTING	ANTEL	LPA-80063/6CF	110'-0"	120°	2°	0°	–	–
C1	EXISTING	ANTEL	LPA-80063/6CF	110'-0"	240°	2°	0°	–	–
C2	NEW	SAMSUNG	MT6407-77A	110'-0"	230°	0°	6°	–	INTEGRATED RADIO
C3	EXISTING	ANTEL	LPA-80063/6CF	110'-0"	240°	2°	0°	–	–
C4	–	–	–	–	–	–	–	–	–
C5L	NEW	JMA WIRELESS	MX06FRO660-03	110'-0"	230°	0°	7°/7°/7°/3°	SAMSUNG	(1) RF4439D-25A
C5R	NEW	JMA WIRELESS	MX06FRO660-03	110'-0"	230°	0°	7°/7°/7°/3°	SAMSUNG	(1) RF4440D-13A

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE				
STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	160'-0"±	6
EXISTING	SPARE COAX	1-5/8"	160'-0"±	12
EXISTING	HYBRID	6x12	160'-0"±	2
TOTAL CABLE QTY:				20



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

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VERIZON SITE NUMBER:
468619

BU #: **824359**
GROTON/ I-95/ X89/ NOA_1

741 FLANDERS ROAD
GROTON, CT 06340

EXISTING 130'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/18/21	JJR	CONSTRUCTION	JJR

35386 PROFESSIONAL ENGINEER
11/18/21

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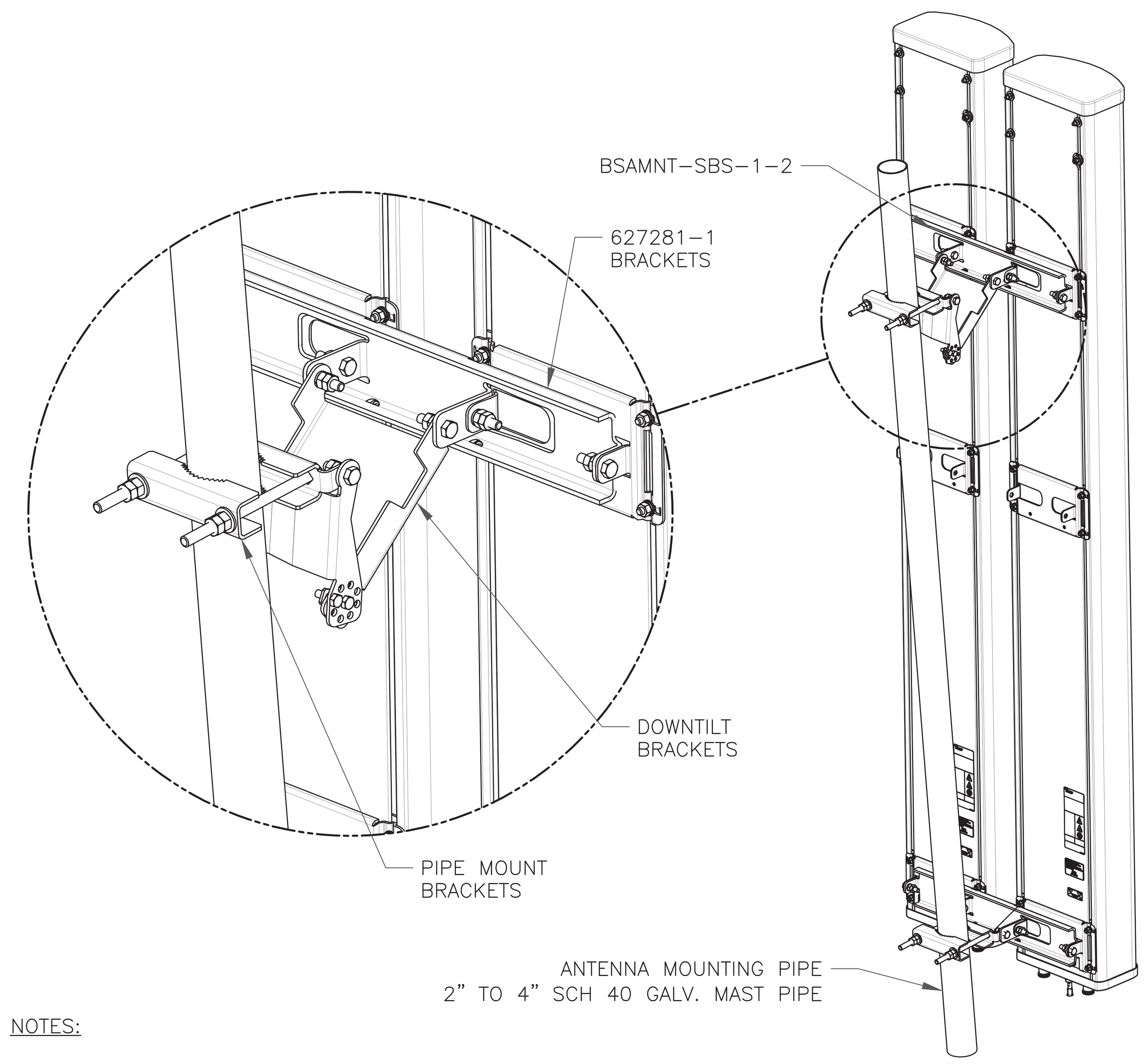
PEC.0001564
Expires 2/10/22

SHEET NUMBER: C-3
REVISION: 0

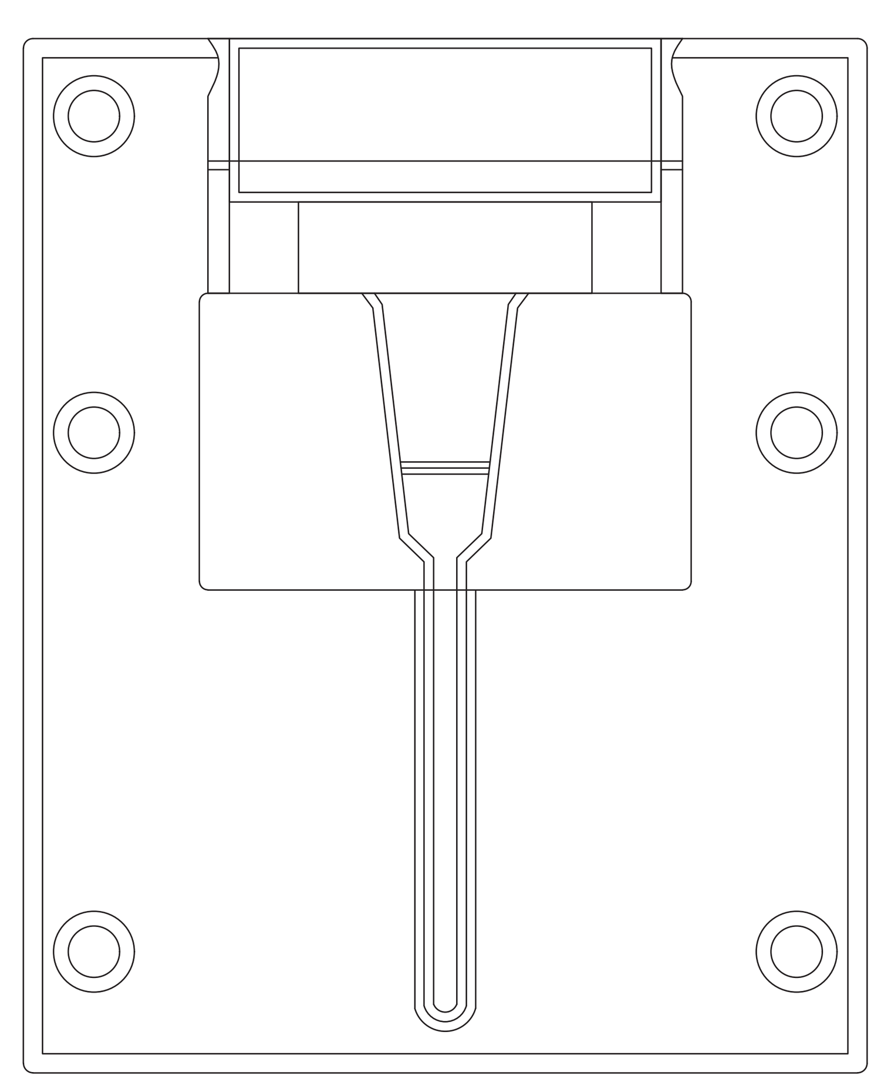


NOTES:

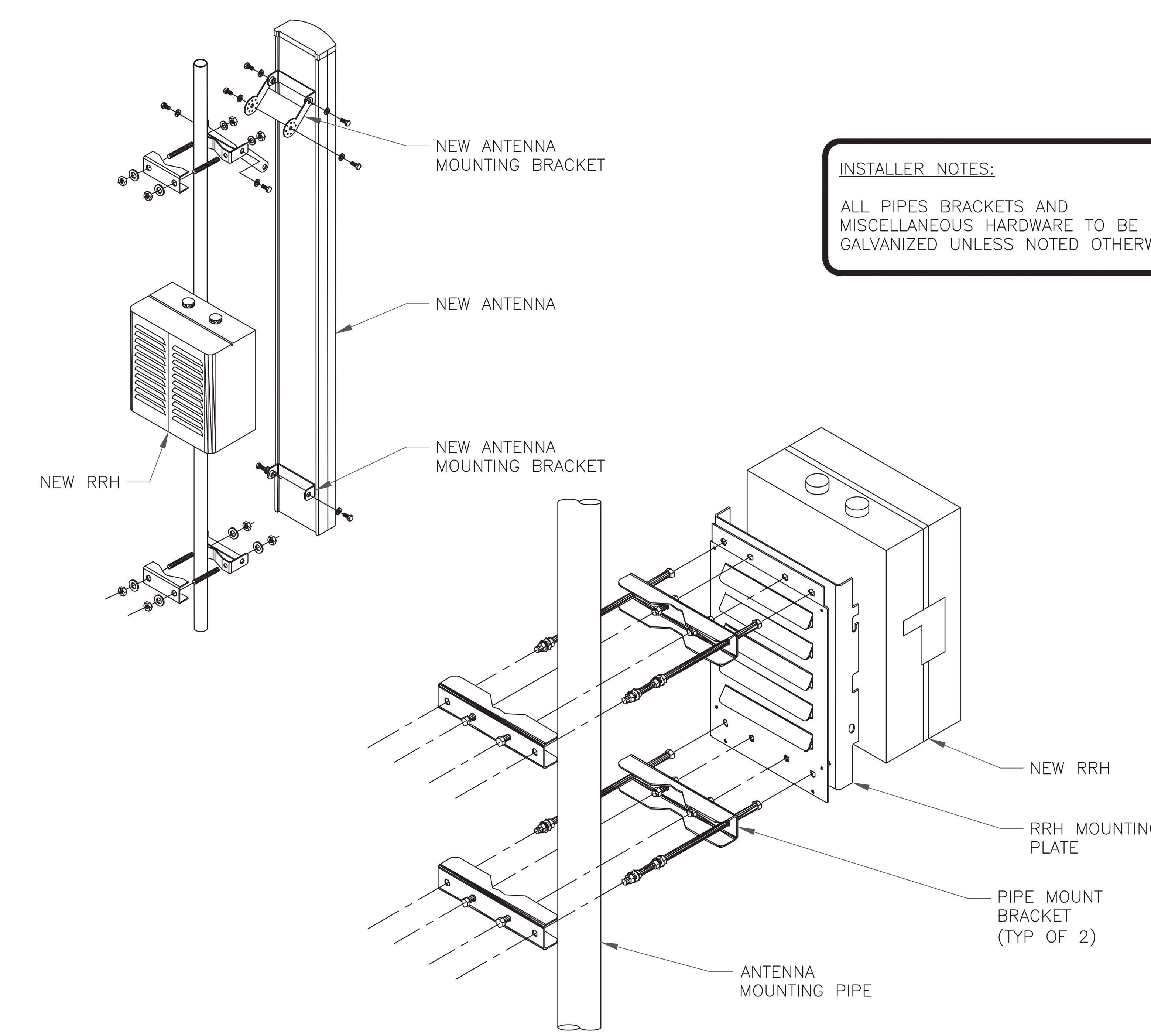
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

(2) NOT USED
SCALE: NOT TO SCALE



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



INSTALLER NOTES:

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

(4) ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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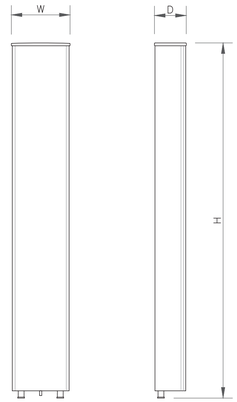
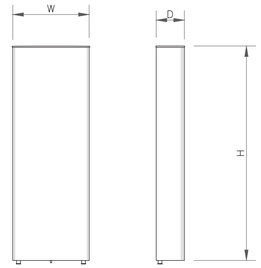
REVISION: 0



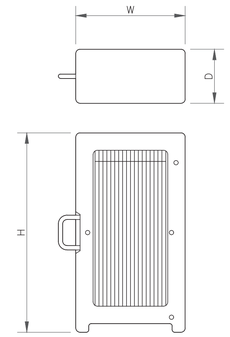
ANTENNA SPECS	
MANUFACTURER	JMA WIRELESS
MODEL #	MX06FRO660-03
WIDTH	15.40"
DEPTH	10.70"
HEIGHT	71.30"
WEIGHT	78 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



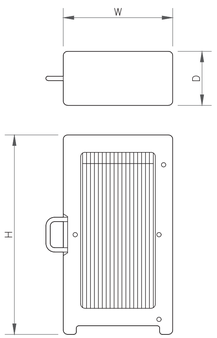
ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	MT6407-77A
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.06"
WEIGHT	81.57 LBS

2 ANTENNA SPECS
SCALE: NOT TO SCALE



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

3 RRU SPECS
SCALE: NOT TO SCALE



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

4 RRU SPECS
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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741 FLANDERS ROAD
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EXISTING 130'-0" MONOPOLE

ISSUED FOR:

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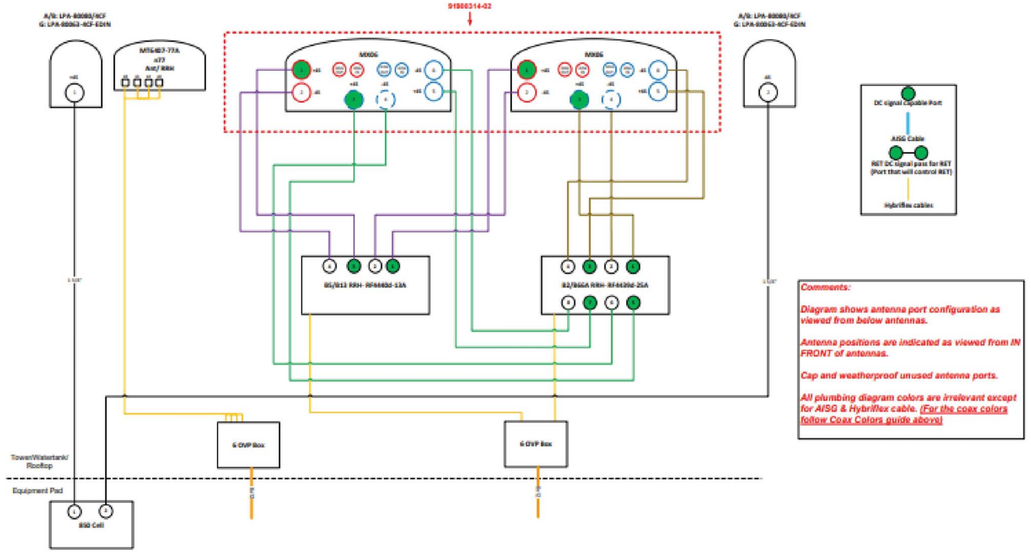
REVISION: 0

ALPHA/ BETA

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

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



Comments:

Diagram shows antenna port configuration as viewed from below antennas.

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

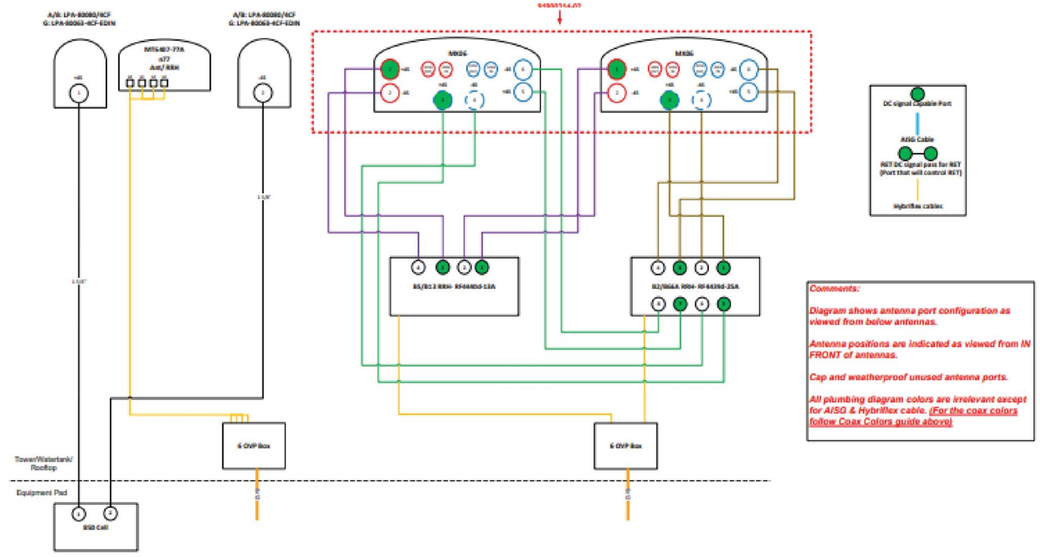
Cap and weatherproof unused antenna ports.

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

GAMMA

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

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



Comments:

Diagram shows antenna port configuration as viewed from below antennas.

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

Cap and weatherproof unused antenna ports.

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

1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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GROTON/ I-95/ X89/ NOA_1

741 FLANDERS ROAD
GROTON, CT 06340

EXISTING 130'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/18/21	JJR	CONSTRUCTION	JJR

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11/18/21

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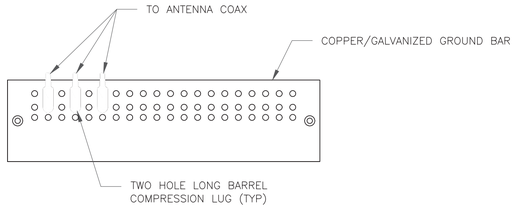
PEC.0001564
Expires 2/10/22

SHEET NUMBER: C-6

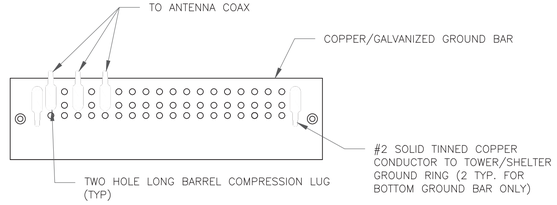
REVISION: 0



NOTES:

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

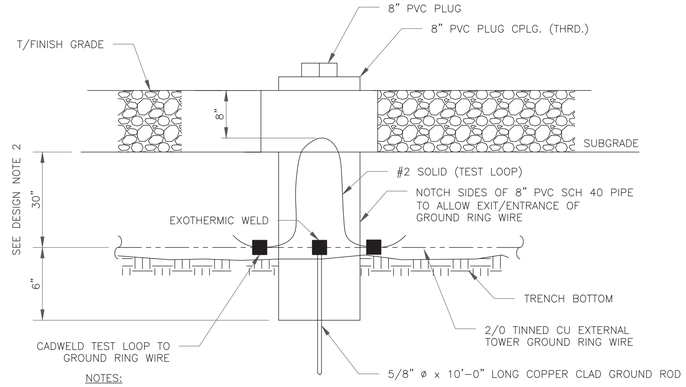
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

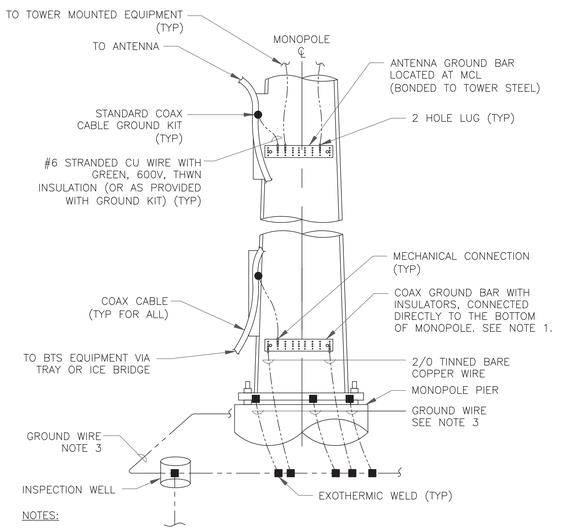
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

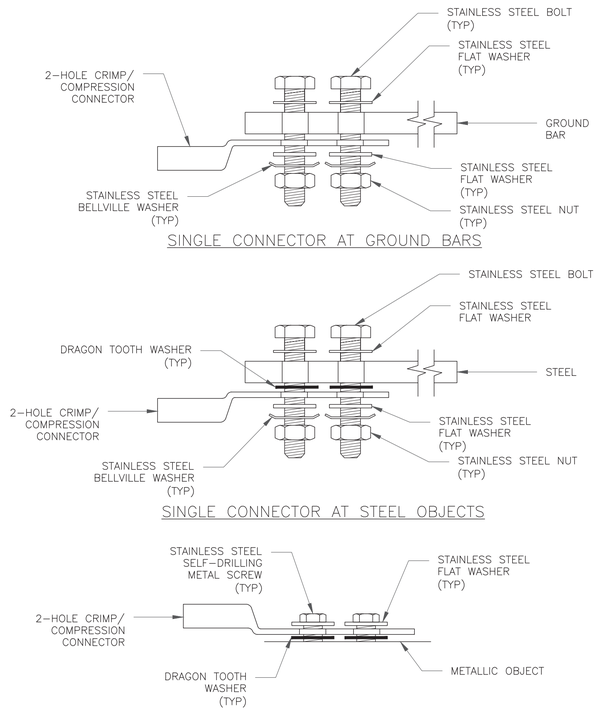
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



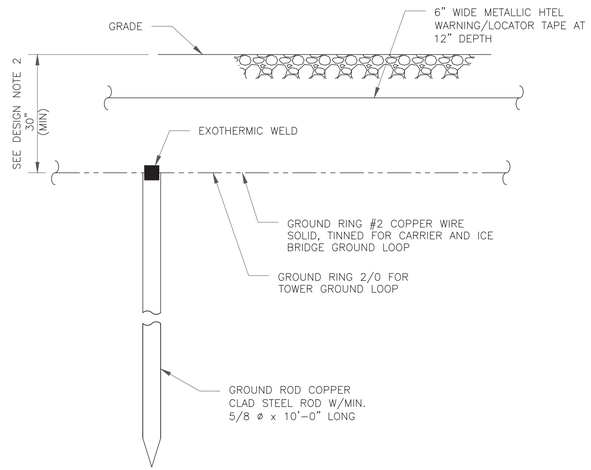
NOTES:

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

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
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BU #: **824359**
GROTON/ I-95/ X89/ NOA_1

741 FLANDERS ROAD
GROTON, CT 06340

EXISTING 130'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/18/21	JJR	CONSTRUCTION	JJR

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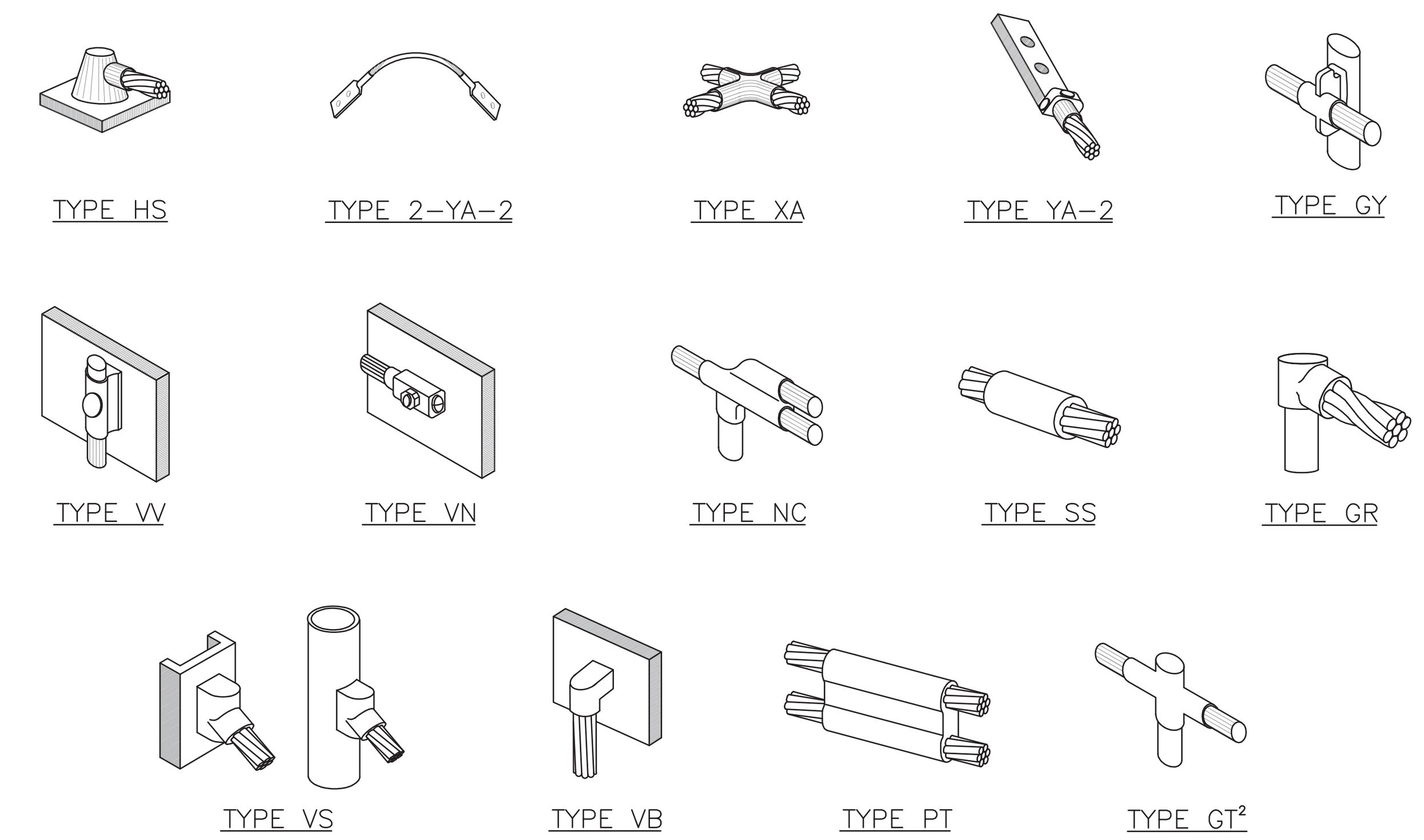
Expires 2/10/22

SHEET NUMBER: G-1
REVISION: 0

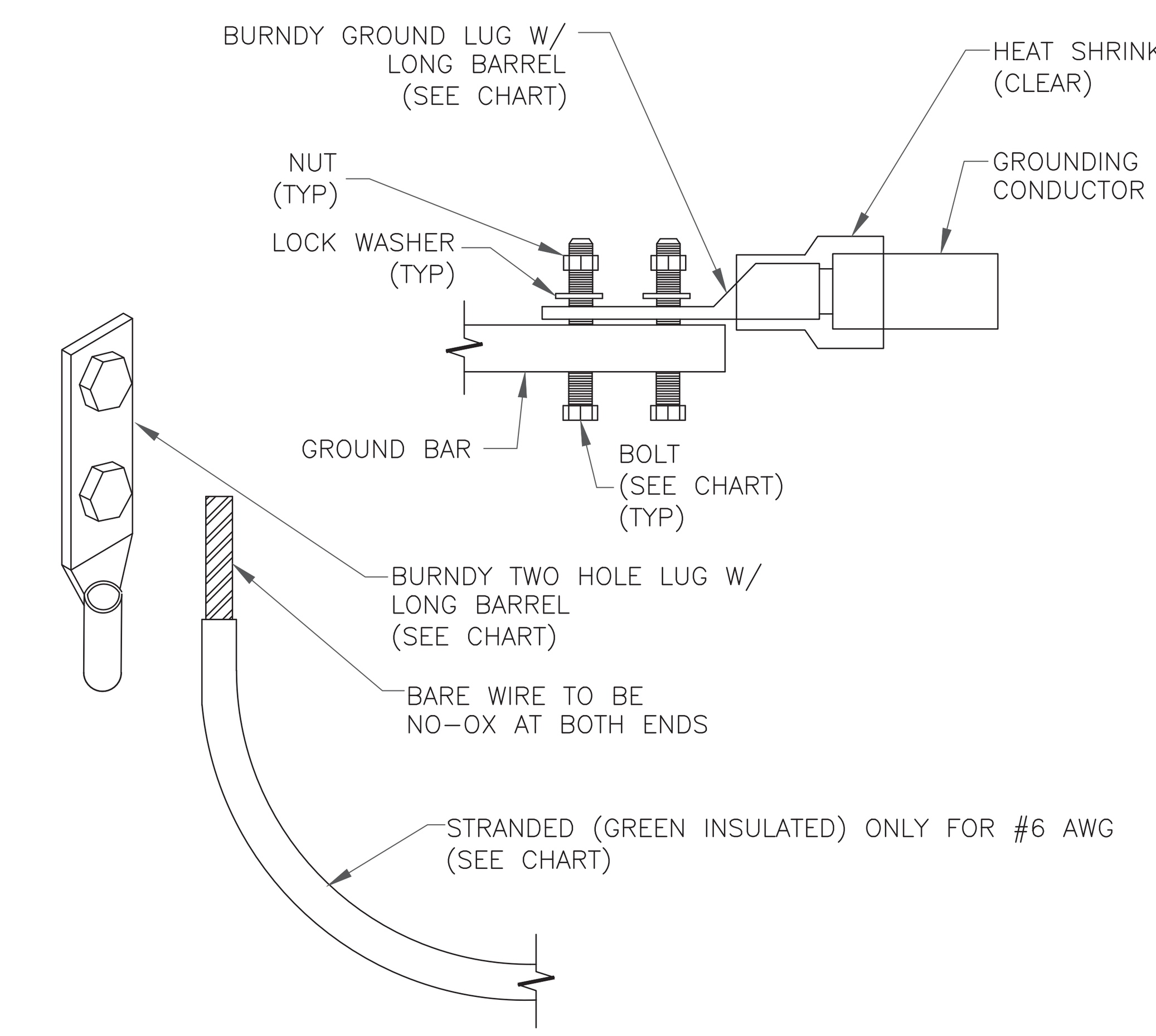


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

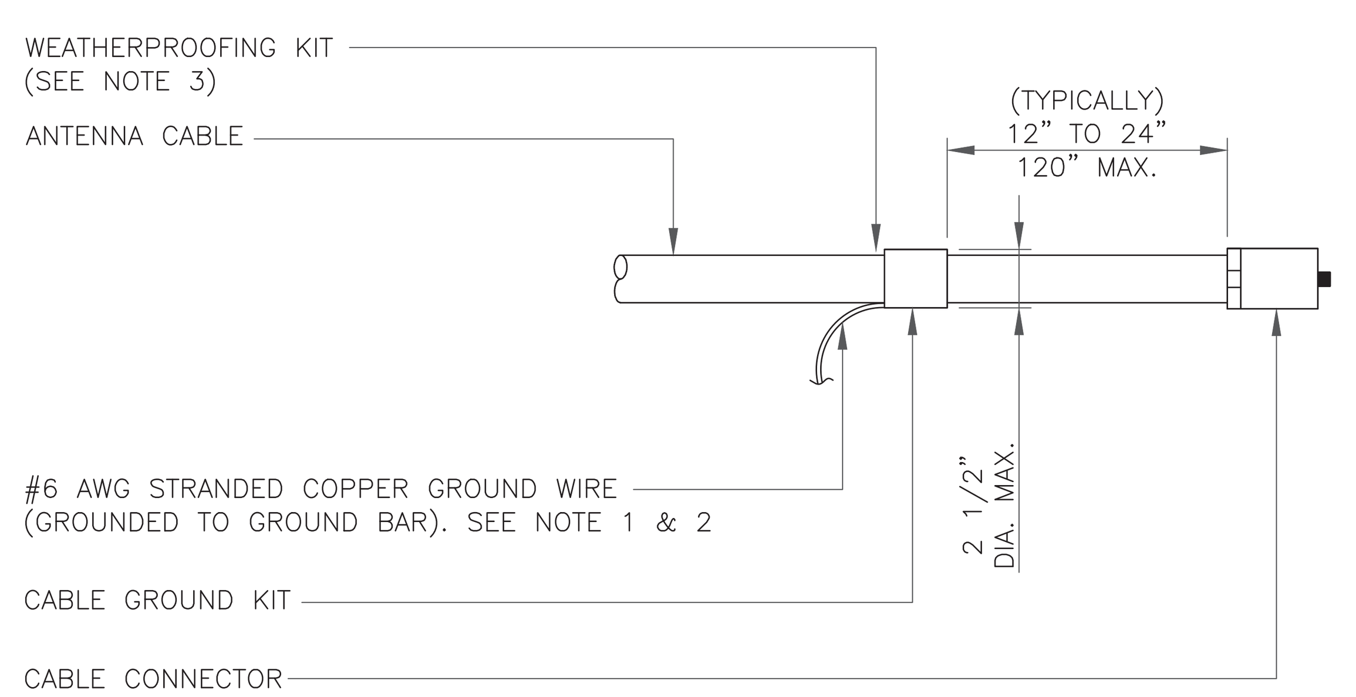
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

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

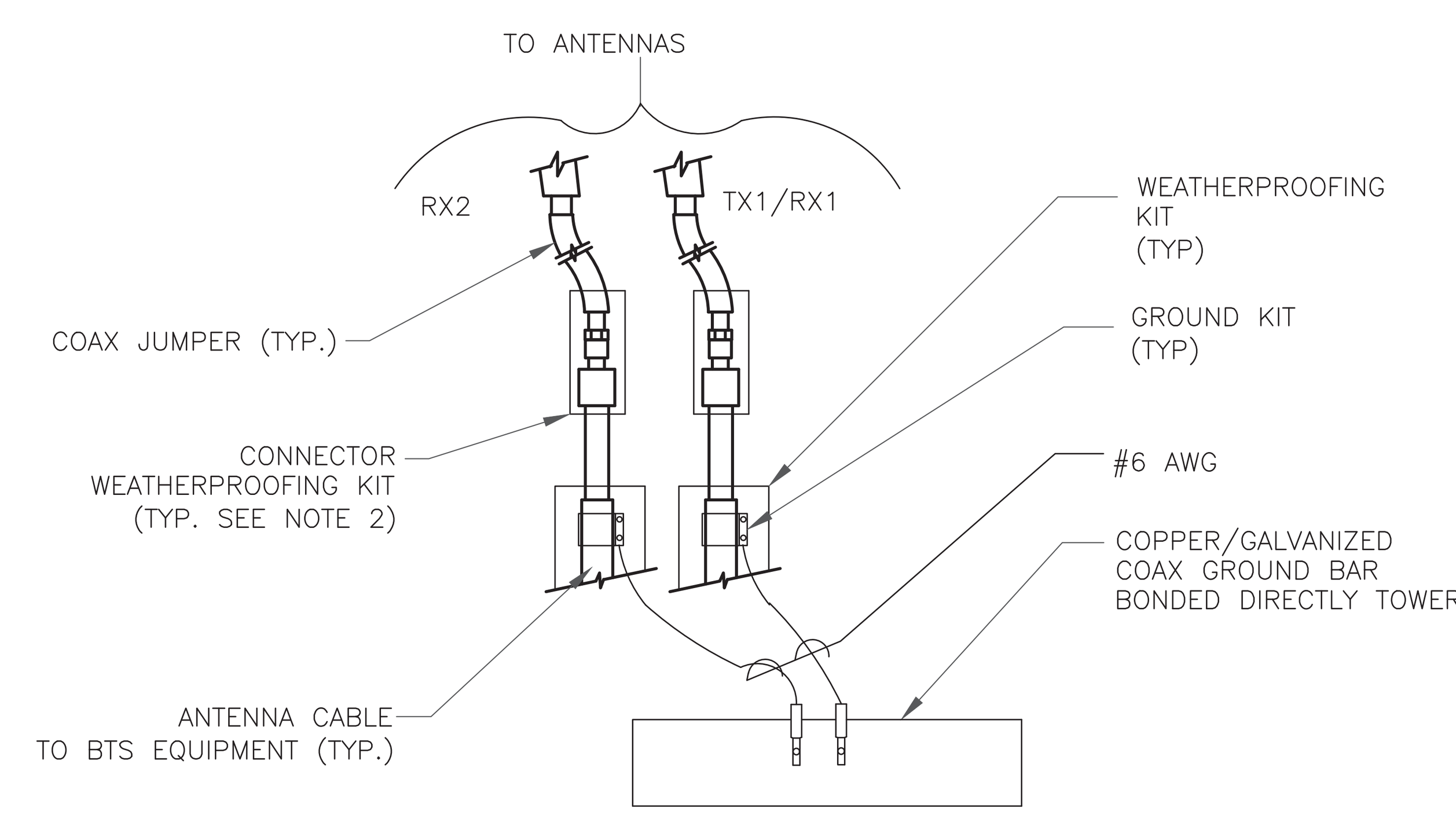
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

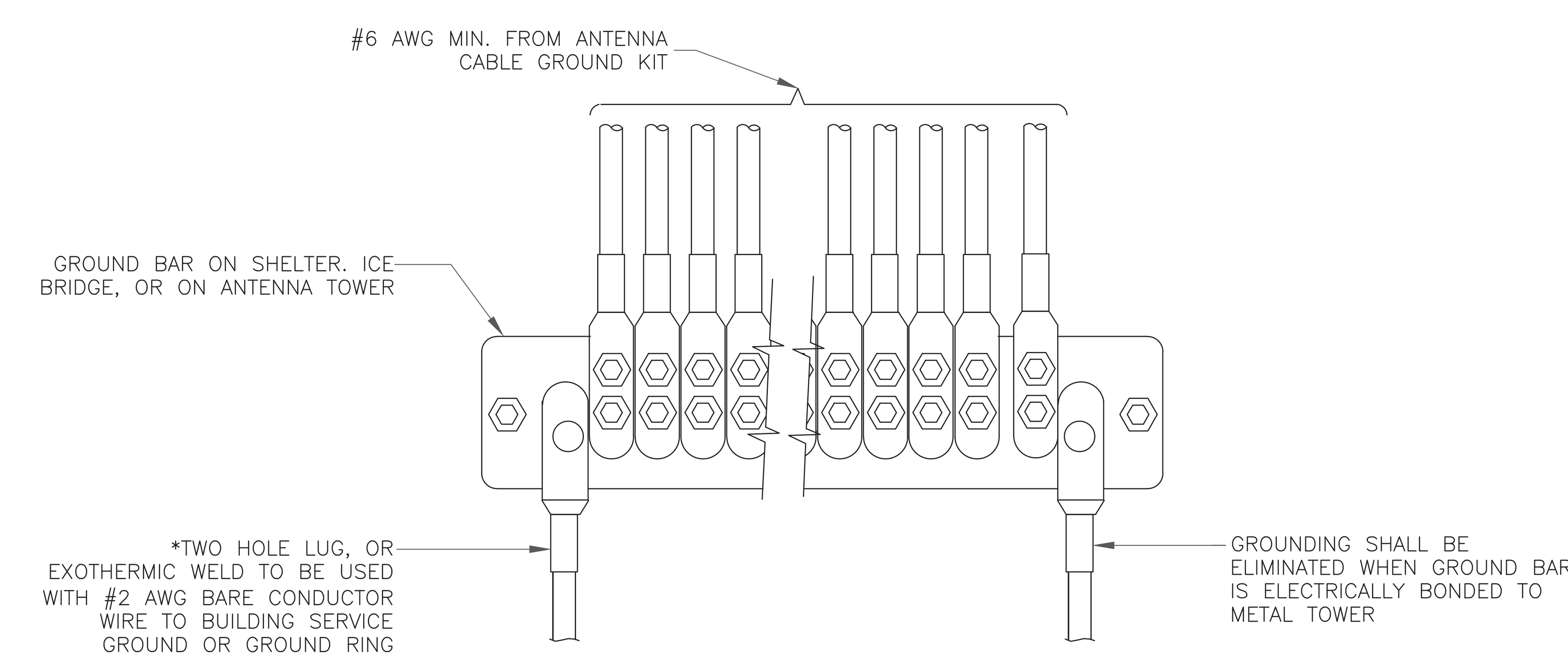
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



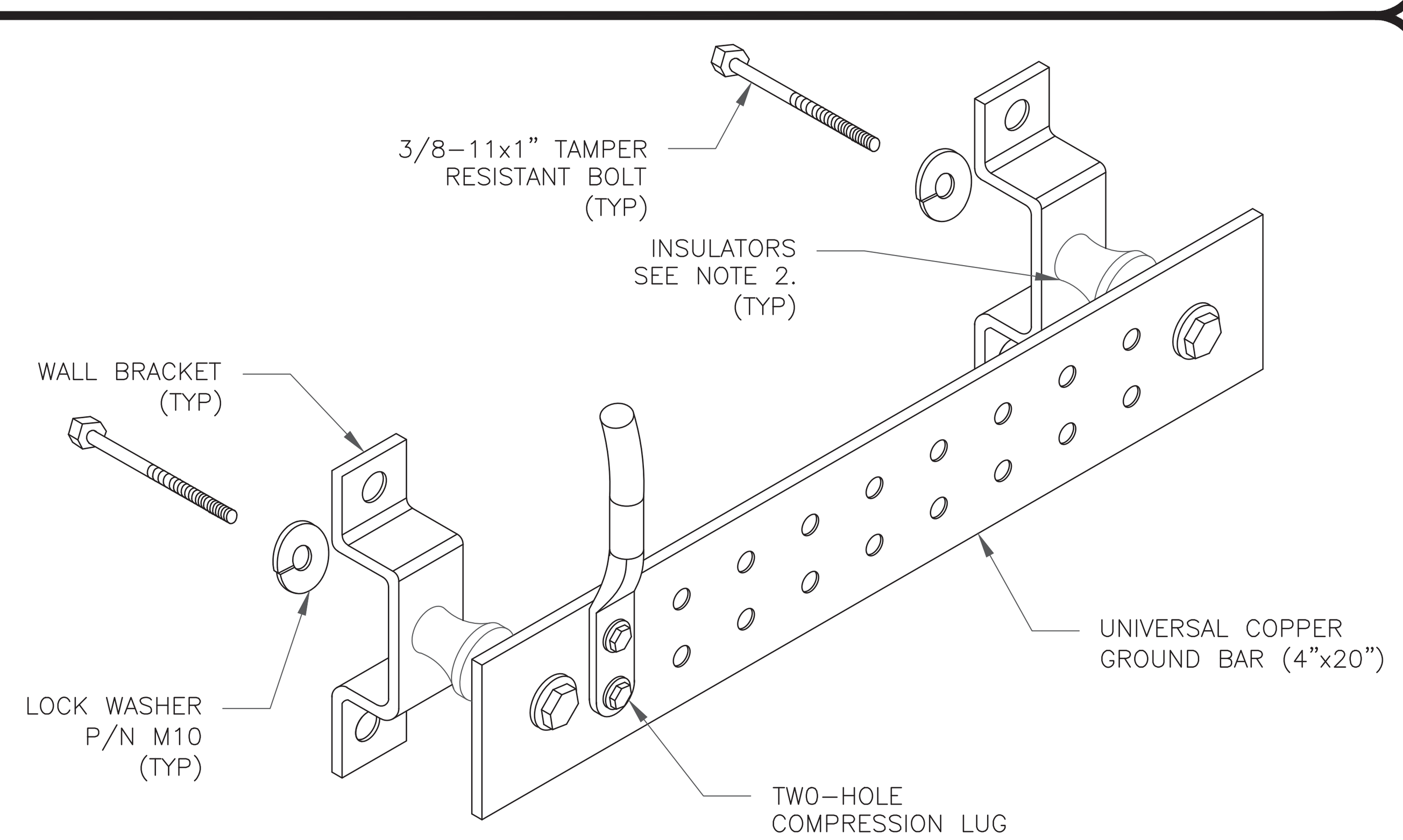
NOTES:

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

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE

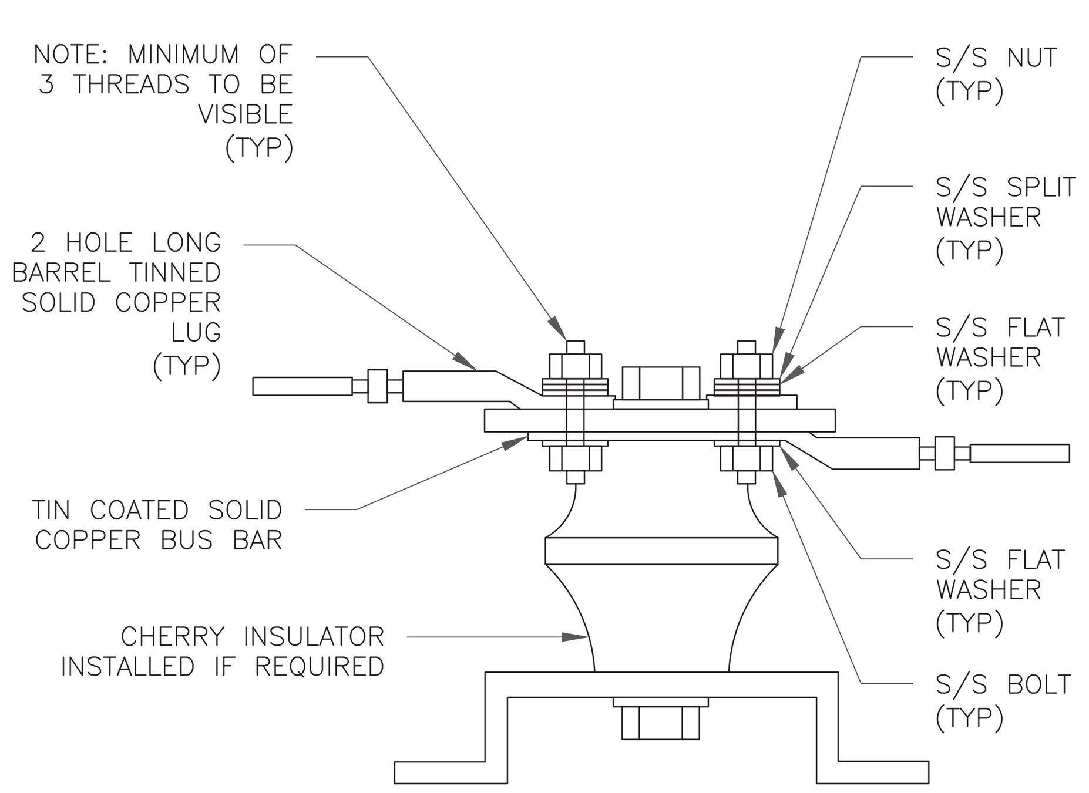


NOTES:

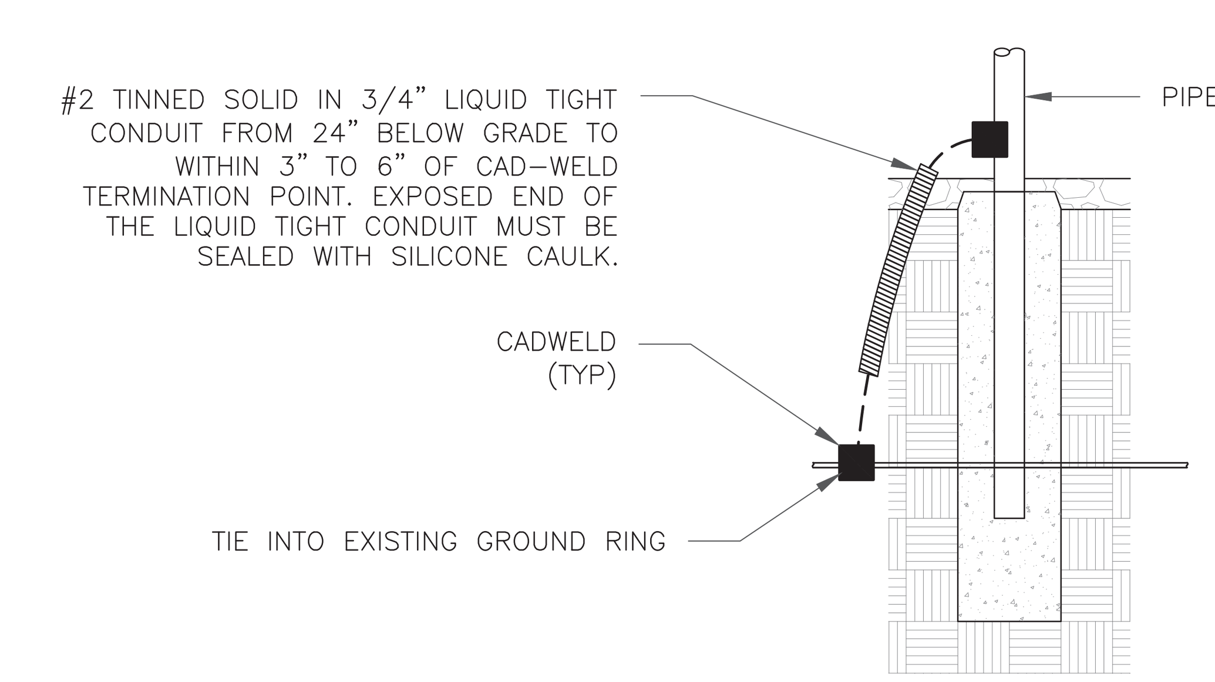
1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.

2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
468619

BU #: **824359**
GROTON/ I-95/ X89/ NOA_1

741 FLANDERS ROAD
GROTON, CT 06340

EXISTING 130'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/18/21	JJR	CONSTRUCTION	JJR

COLORADO LICENSED PROFESSIONAL ENGINEER 35386
11/18/21

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

SHEET NUMBER: G-2
REVISION: 0

Exhibit D

Structural Analysis Report

Date: **October 11, 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:	468619
	Site Name:	GROTON 4 CT
Crown Castle Designation:	**BU Number:**	824359
	Site Name:	Groton/ I-95/ X89/ Noa_1
	JDE Job Number:	689199
	Work Order Number:	2028712
	Order Number:	589613 Rev. 0
Engineering Firm Designation:	**B+T Group Project Number:**	137216.007.01
Site Data:	**725 Flanders Rd, Groton, New London County, CT**	
	Latitude *41° 22' 11.74"*, Longitude *-72° 0' 29.77"*	
	130 Foot - Monopole Tower	

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

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

LC7: Proposed Equipment Configuration **Sufficient Capacity-75.4%**

This analysis utilizes an ultimate 3-second gust wind speed of 127 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: Chris Guidry

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

Chad E. Tuttle, P.E.

tnxTower Report - version 8.1.1.0

TABLE OF CONTENTS

1) INTRODUCTION

This is a 130 ft. Monopole tower designed by Pirod Manufactures Inc.
The tower has been modified per reinforcement drawings prepared by Structural Components in October of 2009. Reinforcement consists of installation of guy anchors, guy attachment and guy wires. Those are considered as ineffective in this analysis.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	127 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1 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)
110.0	110.0	6	Antel	LPA-80063/6CF	20	1-5/8
		6	JMA Wireless	MX06FRO660-03		
		2	RFS Celwave	DB-T1-6Z-8AB-0Z		
		3	Samsung Telecomm.	MT6407-77A		
		3	Samsung Telecomm.	RF4439D-25A		
		3	Samsung Telecomm.	RF4440D-13A		
		3	--	JMA 91900314-02 Dual Bracket		
		1	--	Platform Mount [LP 304-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
130.0	132.0	3	Ericsson	AIR6449 B41_T-MOBILE	4	1-5/8
	131.0	3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	Ericsson	RADIO 4460 B2/B25 B66_TMO		
		3	RFS Celwave	APXVAALL24_43-U-NA20		
	130.0	1	Site Pro 1	AHCP		
		3	--	17'xP2.0STD Pipe Rail		
		1	--	Platform Mount [LP 405-1]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
122.0	124.0	4	CCI Antennas	DMP65R-BU4D	6 3 2 3	1-1/4 7/8 3/4 3/8
		2	CCI Antennas	DMP65R-BU8D		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 4478 B14		
		3	Ericsson	RRUS 8843 B2/B66A		
		3	Powerwave Tech.	7770.00		
		3	Powerwave Tech.	LGP21401		
		1	Raycap	DC6-48-60-18-8F		
		1	Raycap	DC9-48-60-24-8C-EV		
	122.0	1	--	T-Arm Mount [TA 601-3]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	3472179	CCI Sites
Tower Modification Drawing	3472487	CCI Sites
Foundation Mapping	3804602	CCI Sites
Geotech Report	3472178	CCI Sites
Crown CAD Package	Date: 09/30/2021	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.

3.2) Assumptions

1) The tower and structures were maintained in accordance with the - TIA-222 standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.
3) Base and flange plate design methodology of the manufacturer has been reviewed and found to be an acceptable means of designing to resist the full capacity of the bolts and shaft.

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	130 - 120	Pole	P30x3/8	1	-9.105	1376.613	9.0	Pass
L2	120 - 100	Pole	P36x3/8	2	-17.014	1564.605	30.6	Pass
L3	100 - 80	Pole	P42x3/8	3	-21.899	1752.313	47.2	Pass
L4	80 - 60	Pole	P48x3/8	4	-29.237	1939.864	58.6	Pass
L5	60 - 40	Pole	P54x3/8	5	-35.971	2127.300	67.1	Pass
L6	40 - 20	Pole	P60x3/8	6	-43.324	2314.651	72.8	Pass
L7	20 - 0	Pole	P60x3/4	7	-56.292	5506.441	43.1	Pass
							Summary	
						Pole (L6)	72.8	Pass
						Rating =	72.8	Pass

Table 5 - Tower Component Stresses vs. Capacity

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2,3	Flange Connection	120	9.0	Pass
1,2,4	Flange Connection	100	30.6	Pass
1,2,4	Flange Connection	80	49.0	Pass
1,2,4	Flange Connection	60	61.8	Pass
1,2,3	Flange Connection	40	67.1	Pass
1,2,3	Flange Connection	20	72.8	Pass
1,2	Anchor Rods	Base	47.2	Pass
1,2,5	Base Plate	Base	47.2	Pass
1,2	Base Foundation (Structure)	Base	64.4	Pass
1,2	Base Foundation (Soil Interaction)	Base	75.4	Pass

Structure Rating (max from all components) =	**75.4%**

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.
3) Flange plates are assumed to have the same capacity as their respective shaft.
4) Flange plates are assumed to have the same capacity as their respective bolts
5) Base plate is assumed to have the same capacity as their respective bolts.

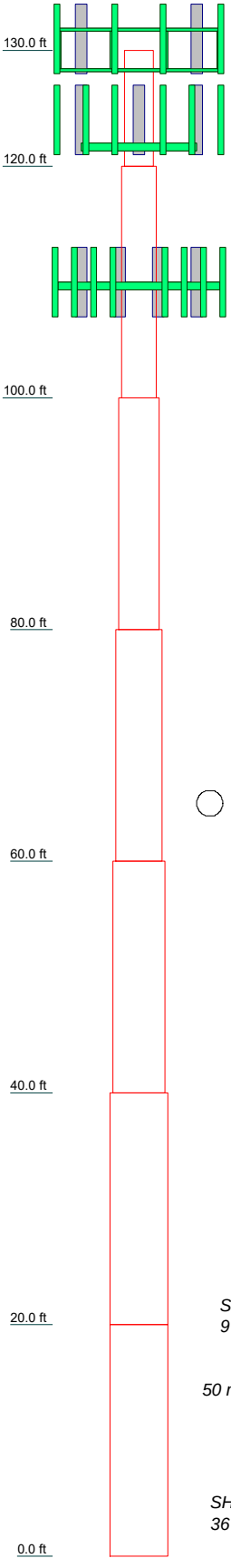
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Size	Length (ft)	Grade	Weight (K)
1	P30x3/8	10.000	A53-B-42	1.2
2	P36x3/8	20.000		2.9
3	P42x3/8	20.000		3.3
4	P48x3/8	20.000		3.8
5	P54x3/8	20.000		4.3
6	P60x3/8	20.000		4.8
7	P60x3/4	20.000		9.5
				29.8



ALL REACTIONS ARE FACTORED

AXIAL 76 K

SHEAR 9 K

MOMENT 768 kip-ft

TORQUE 1 kip-ft
50 mph WIND - 1.000 in ICE

AXIAL 56 K

SHEAR 36 K

MOMENT 3348 kip-ft

TORQUE 3 kip-ft
REACTIONS - 127 mph WIND

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A53-B-42	42 ksi	63 ksi			

TOWER DESIGN NOTES

1. Tower is located in New London County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 127 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 72.8%

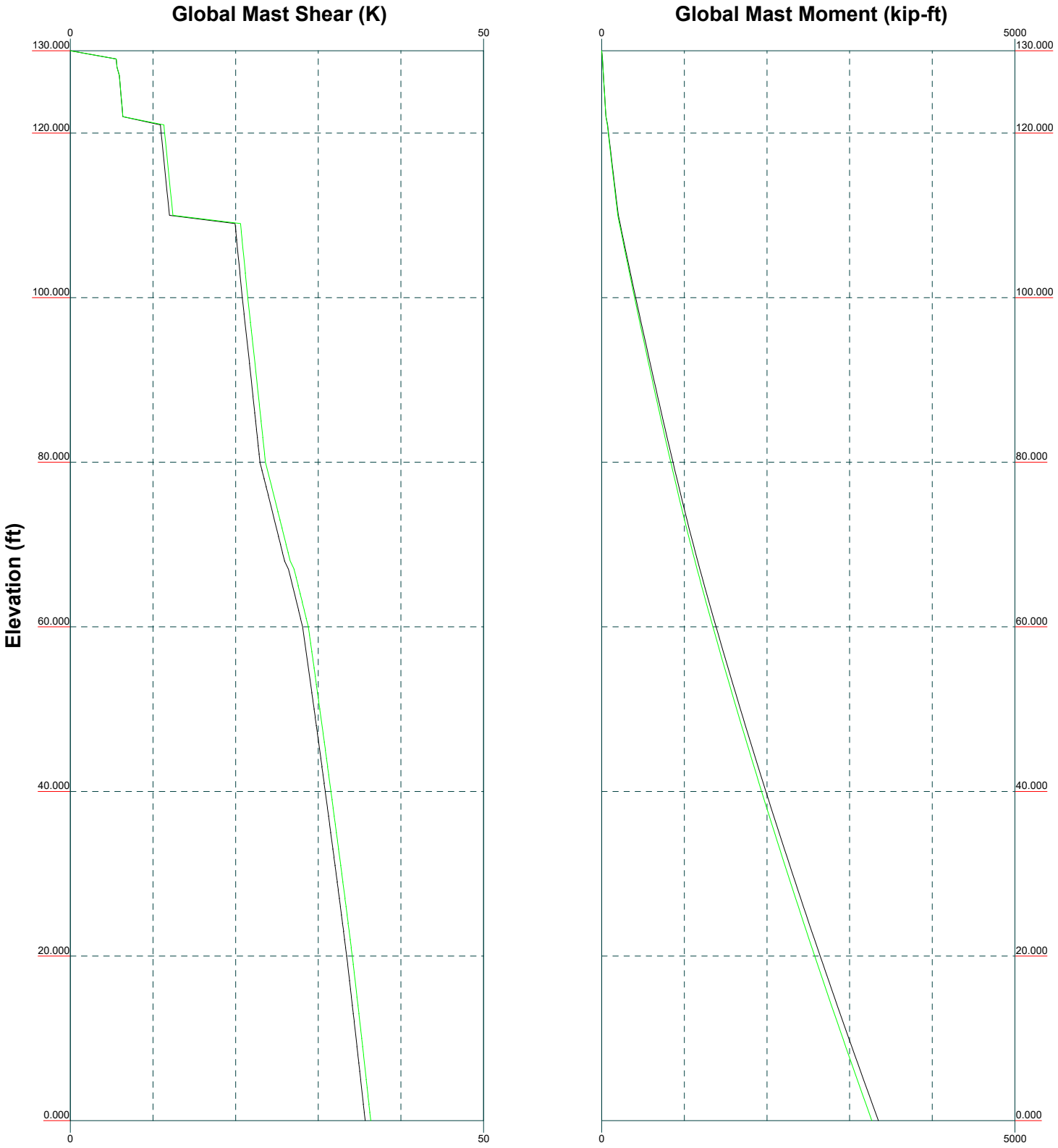
B+T Group
1717 S, Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: 137216.007.01- Groton-I-95-X89-Noa_1, CT (BU# 82435			
Project:			
Client: Crown Castle	Drawn by: Suhas Poojary	App'd:	
Code: TIA-222-H	Date: 10/07/21	Scale: NTS	
Path:		Dwg No. E-1	

TIA-222-H - 127 mph/50 mph 1.000 in Ice Exposure C

Maximum Values

Vx Vz Mx Mz



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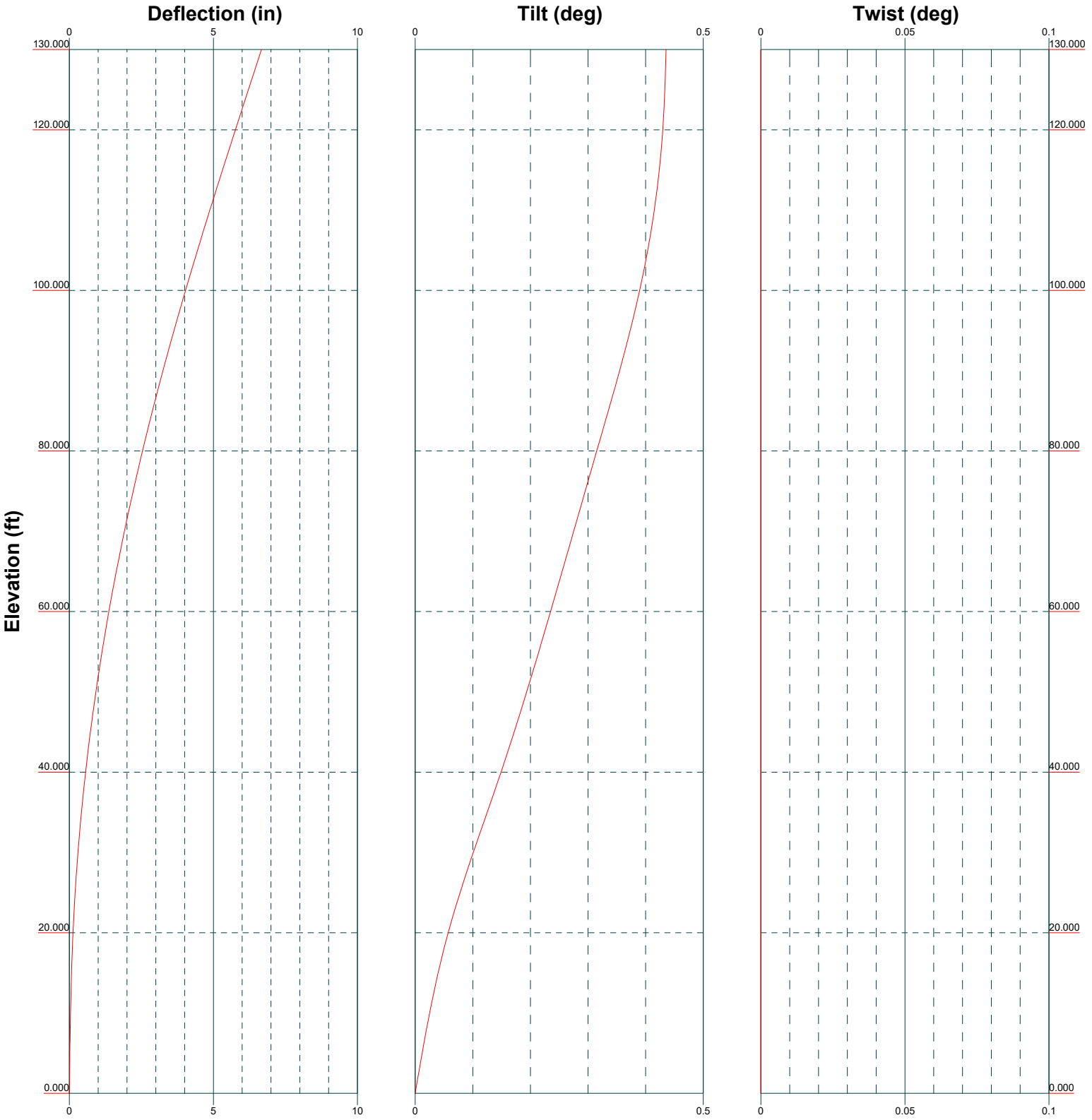
Project:			
Client: Crown Castle	Drawn by: Suhas Poojary	App'd:	
Code: TIA-222-H	Date: 10/07/21	Scale: NTS	
Path:		Dwg No. E-4	

TIA-222-H - Service - 60 mph

Maximum Values



B+T GRP

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Phone: (918) 587-4630
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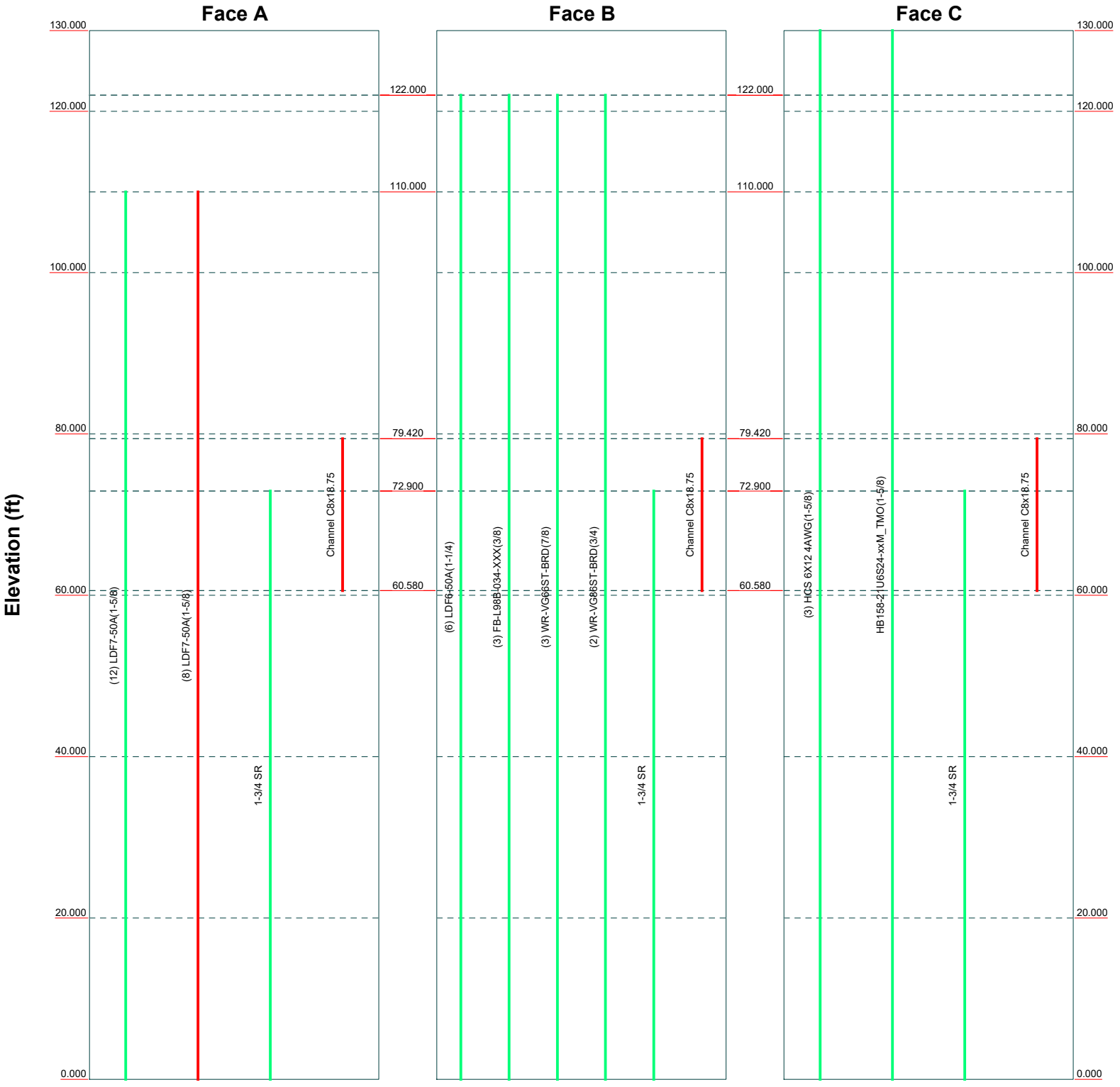
Job: ***137216.007.01- Groton-I-95-X89-Noa_1, CT (BU# 82435***		
Project:		
Client: Crown Castle	Drawn by: Suhas Poojary	App'd:
Code: TIA-222-H	Date: 10/07/21	Scale: NTS
Path:		Dwg No. E-5

Feed Line Distribution Chart
0' - 130'

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



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Job: 137216.007.01- Groton-I-95-X89-Noa_1, CT (BU# 82435		
Project:		
Client: Crown Castle	Drawn by: Suhas Poojary	App'd:
Code: TIA-222-H	Date: 10/07/21	Scale: NTS
Path:		Dwg No. E-7

Tower Input Data

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

Tower is located in New London County, Connecticut.
Tower base elevation above sea level: 193.000 ft.
Basic wind speed of 127 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.000 ft.
Nominal ice thickness of 1.000 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.
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

Pole Section Geometry

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L1	130.000-120.000	10.000	P30x3/8	A53-B-42 (42 ksi)	
L2	120.000-100.000	20.000	P36x3/8	A53-B-42 (42 ksi)	
L3	100.000-80.000	20.000	P42x3/8	A53-B-42 (42 ksi)	
L4	80.000-60.000	20.000	P48x3/8	A53-B-42 (42 ksi)	
L5	60.000-40.000	20.000	P54x3/8	A53-B-42 (42 ksi)	
L6	40.000-20.000	20.000	P60x3/8	A53-B-42 (42 ksi)	
L7	20.000-0.000	20.000	P60x3/4	A53-B-42 (42 ksi)	

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 130.000-120.000				1	1	1			
L2 120.000-100.000				1	1	1			
L3 100.000-80.000				1	1	1			
L4 80.000-60.000				1	1	1			
L5 60.000-40.000				1	1	1			
L6 40.000-20.000				1	1	1			
L7 20.000-0.000				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
LDF7-50A(1-5/8)	A	No	Surface Ar (CaAa)	110.000 - 0.000	8	6	-0.350 -0.150	1.980		0.001
Channel C8x18.75	A	No	Surface Af (CaAa)	79.420 - 60.580	1	1	0.000 0.040	8.000	21.060	0.019
Channel C8x18.75	B	No	Surface Af (CaAa)	79.420 - 60.580	1	1	0.000 0.040	8.000	21.060	0.019
Channel C8x18.75	C	No	Surface Af (CaAa)	79.420 - 60.580	1	1	0.000 0.040	8.000	21.060	0.019

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
*										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
HCS 6X12 4AWG(1-5/8)	C	No	No	Inside Pole	130.000 - 0.000	3	No Ice	0.000	0.002
							1/2" Ice	0.000	0.002
							1" Ice	0.000	0.002
HB158-21U6S24-xx M_TMO(1-5/8)	C	No	No	Inside Pole	130.000 - 0.000	1	No Ice	0.000	0.003
							1/2" Ice	0.000	0.003
							1" Ice	0.000	0.003
*									
LDF6-50A(1-1/4)	B	No	No	Inside Pole	122.000 - 0.000	6	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
FB-L98B-034-XXX(3/8)	B	No	No	Inside Pole	122.000 - 0.000	3	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
WR-VG66ST-BRD(7/8)	B	No	No	Inside Pole	122.000 - 0.000	3	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
WR-VG86ST-BRD(3/4)	B	No	No	Inside Pole	122.000 - 0.000	2	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
*									
LDF7-50A(1-5/8)	A	No	No	Inside Pole	110.000 - 0.000	12	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
*									
1-3/4 SR	A	No	No	CaAa (Out Of Face)	72.900 - 0.000	1	No Ice	0.175	0.008
							1/2" Ice	0.275	0.010
							1" Ice	0.375	0.012
1-3/4 SR	B	No	No	CaAa (Out Of Face)	72.900 - 0.000	1	No Ice	0.175	0.008
							1/2" Ice	0.275	0.010
							1" Ice	0.375	0.012
1-3/4 SR	C	No	No	CaAa (Out Of Face)	72.900 - 0.000	1	No Ice	0.175	0.008
							1/2" Ice	0.275	0.010
							1" Ice	0.375	0.012
*									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	130.000-120.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.015
		C	0.000	0.000	0.000	0.000	0.097

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L2	120.000-100.000	A	0.000	0.000	11.880	0.000	0.164
		B	0.000	0.000	0.000	0.000	0.154
		C	0.000	0.000	0.000	0.000	0.194
L3	100.000-80.000	A	0.000	0.000	23.760	0.000	0.328
		B	0.000	0.000	0.000	0.000	0.154
		C	0.000	0.000	0.000	0.000	0.194
L4	80.000-60.000	A	0.000	0.000	48.880	2.257	0.787
		B	0.000	0.000	25.120	2.257	0.612
		C	0.000	0.000	25.120	2.257	0.653
L5	60.000-40.000	A	0.000	0.000	23.760	3.500	0.492
		B	0.000	0.000	0.000	3.500	0.317
		C	0.000	0.000	0.000	3.500	0.358
L6	40.000-20.000	A	0.000	0.000	23.760	3.500	0.492
		B	0.000	0.000	0.000	3.500	0.317
		C	0.000	0.000	0.000	3.500	0.358
L7	20.000-0.000	A	0.000	0.000	23.760	3.500	0.492
		B	0.000	0.000	0.000	3.500	0.317
		C	0.000	0.000	0.000	3.500	0.358

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	130.000-120.000	A	0.971	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.015
		C		0.000	0.000	0.000	0.000	0.097
L2	120.000-100.000	A	0.959	0.000	0.000	17.247	0.000	0.307
		B		0.000	0.000	0.000	0.000	0.154
		C		0.000	0.000	0.000	0.000	0.194
L3	100.000-80.000	A	0.940	0.000	0.000	34.399	0.000	0.608
		B		0.000	0.000	0.000	0.000	0.154
		C		0.000	0.000	0.000	0.000	0.194
L4	80.000-60.000	A	0.916	0.000	0.000	62.115	4.622	1.265
		B		0.000	0.000	27.833	4.622	0.816
		C		0.000	0.000	27.833	4.622	0.857
L5	60.000-40.000	A	0.886	0.000	0.000	34.130	7.044	0.816
		B		0.000	0.000	0.000	7.044	0.375
		C		0.000	0.000	0.000	7.044	0.416
L6	40.000-20.000	A	0.842	0.000	0.000	33.910	6.868	0.800
		B		0.000	0.000	0.000	6.868	0.372
		C		0.000	0.000	0.000	6.868	0.412
L7	20.000-0.000	A	0.754	0.000	0.000	33.472	6.517	0.770
		B		0.000	0.000	0.000	6.517	0.365
		C		0.000	0.000	0.000	6.517	0.405

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	130.000-120.000	0.000	0.000	0.000	0.000
L2	120.000-100.000	-4.957	0.000	-3.518	0.000
L3	100.000-80.000	-8.303	0.000	-5.997	0.000

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L4	80.000-60.000	-4.011	0.000	-3.698	0.000
L5	60.000-40.000	-7.802	0.000	-5.614	0.000
L6	40.000-20.000	-8.061	0.000	-5.798	0.000
L7	20.000-0.000	-8.061	0.000	-5.794	0.000

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
L2	12	LDF7-50A(1-5/8)	100.00 - 110.00	1.0000	1.0000
L3	12	LDF7-50A(1-5/8)	80.00 - 100.00	1.0000	1.0000
L4	12	LDF7-50A(1-5/8)	60.00 - 80.00	1.0000	1.0000
L4	17	Channel C8x18.75	60.58 - 79.42	1.0000	1.0000
L4	18	Channel C8x18.75	60.58 - 79.42	1.0000	1.0000
L4	19	Channel C8x18.75	60.58 - 79.42	1.0000	1.0000
L5	12	LDF7-50A(1-5/8)	40.00 - 60.00	1.0000	1.0000
L6	12	LDF7-50A(1-5/8)	20.00 - 40.00	1.0000	1.0000
L7	12	LDF7-50A(1-5/8)	0.00 - 20.00	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L4	17	Channel C8x18.75	60.58 - 79.42	Auto	1.0000
L4	18	Channel C8x18.75	60.58 - 79.42	Auto	1.0000
L4	19	Channel C8x18.75	60.58 - 79.42	Auto	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
APXVAALL24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	14.690 15.460 16.230	6.870 7.550 8.250	0.183 0.311 0.453
APXVAALL24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	14.690 15.460 16.230	6.870 7.550 8.250	0.183 0.311 0.453
APXVAALL24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	14.690 15.460 16.230	6.870 7.550 8.250	0.183 0.311 0.453
AIR6449 B41_T-MOBILE w/ 8' Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	6.904 7.748 8.498	4.377 5.432 6.339	0.144 0.204 0.270
AIR6449 B41_T-MOBILE w/ 8' Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	6.904 7.748 8.498	4.377 5.432 6.339	0.144 0.204 0.270
AIR6449 B41_T-MOBILE w/ 8' Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	6.904 7.748 8.498	4.377 5.432 6.339	0.144 0.204 0.270
RADIO 4460 B2/B25 B66_TMO	A	From Leg	4.000 0.000 1.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	2.139 2.321 2.511	1.686 1.850 2.022	0.109 0.131 0.156
RADIO 4460 B2/B25 B66_TMO	B	From Leg	4.000 0.000 1.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	2.139 2.321 2.511	1.686 1.850 2.022	0.109 0.131 0.156
RADIO 4460 B2/B25 B66_TMO	C	From Leg	4.000 0.000 1.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	2.139 2.321 2.511	1.686 1.850 2.022	0.109 0.131 0.156
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.000 0.000 1.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	1.970 2.147 2.331	1.587 1.749 1.918	0.073 0.093 0.116
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.000 0.000 1.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	1.970 2.147 2.331	1.587 1.749 1.918	0.073 0.093 0.116
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.000 0.000 1.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	1.970 2.147 2.331	1.587 1.749 1.918	0.073 0.093 0.116
(2) L 2 1/2x2 1/2x1/4x7'	A	From Leg	2.000 0.000 -1.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	1.750 2.234 2.726	0.007 0.025 0.051	0.062 0.072 0.088
(2) L 2 1/2x2 1/2x1/4x7'	B	From Leg	2.000 0.000 -1.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	1.750 2.234 2.726	0.007 0.025 0.051	0.062 0.072 0.088
(2) L 2 1/2x2 1/2x1/4x7'	C	From Leg	2.000 0.000 -1.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	1.750 2.234 2.726	0.007 0.025 0.051	0.062 0.072 0.088
8' x 2.5" Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	2.300 3.132 3.620	2.300 3.132 3.620	0.046 0.063 0.085
8' x 2.5" Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	2.300 3.132 3.620	2.300 3.132 3.620	0.046 0.063 0.085
8' x 2.5" Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	2.300 3.132 3.620	2.300 3.132 3.620	0.046 0.063 0.085
5' x 2" Pipe Mount	A	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	1.188 1.496 1.807	1.188 1.496 1.807	0.018 0.027 0.040

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
Side Arm Mount [SO 102-3]	C	None			0.000	128.000	No Ice	3.600	3.600	0.075
							1/2" Ice	4.180	4.180	0.105
							1" Ice	4.750	4.750	0.135
Platform Mount [LP 405-1_HR-1]	C	None			0.000	130.000	No Ice	25.330	25.330	2.056
							1/2" Ice	33.790	33.790	2.634
							1" Ice	42.160	42.160	3.360
*										
7770.00 w/ Mount Pipe	A	From Leg	4.000	2.000	0.000	122.000	No Ice	5.746	4.254	0.055
			0.000				1/2" Ice	6.179	5.014	0.103
							1" Ice	6.607	5.711	0.157
7770.00 w/ Mount Pipe	B	From Leg	4.000	2.000	0.000	122.000	No Ice	5.746	4.254	0.055
			0.000				1/2" Ice	6.179	5.014	0.103
							1" Ice	6.607	5.711	0.157
7770.00 w/ Mount Pipe	C	From Leg	4.000	2.000	0.000	122.000	No Ice	5.746	4.254	0.055
			0.000				1/2" Ice	6.179	5.014	0.103
							1" Ice	6.607	5.711	0.157
(2) DMP65R-BU8D w/ Mount Pipe	A	From Leg	4.000	2.000	0.000	122.000	No Ice	15.890	7.890	0.139
			0.000				1/2" Ice	16.810	8.740	0.252
							1" Ice	17.760	9.600	0.380
(2) DMP65R-BU4D w/ Mount Pipe	B	From Leg	4.000	2.000	0.000	122.000	No Ice	7.530	3.790	0.095
			0.000				1/2" Ice	8.040	4.230	0.156
							1" Ice	8.570	4.680	0.225
(2) DMP65R-BU4D w/ Mount Pipe	C	From Leg	4.000	2.000	0.000	122.000	No Ice	7.530	3.790	0.095
			0.000				1/2" Ice	8.040	4.230	0.156
							1" Ice	8.570	4.680	0.225
LGP21401	A	From Leg	4.000	2.000	0.000	122.000	No Ice	1.104	0.207	0.014
			0.000				1/2" Ice	1.239	0.274	0.021
							1" Ice	1.381	0.348	0.030
LGP21401	B	From Leg	4.000	2.000	0.000	122.000	No Ice	1.104	0.207	0.014
			0.000				1/2" Ice	1.239	0.274	0.021
							1" Ice	1.381	0.348	0.030
LGP21401	C	From Leg	4.000	2.000	0.000	122.000	No Ice	1.104	0.207	0.014
			0.000				1/2" Ice	1.239	0.274	0.021
							1" Ice	1.381	0.348	0.030
DC6-48-60-18-8F	A	From Leg	1.000	2.000	0.000	122.000	No Ice	1.212	1.212	0.033
			0.000				1/2" Ice	1.892	1.892	0.055
							1" Ice	2.105	2.105	0.080
RRUS 4478 B14	A	From Leg	4.000	2.000	0.000	122.000	No Ice	1.843	1.059	0.060
			0.000				1/2" Ice	2.012	1.197	0.076
							1" Ice	2.190	1.342	0.094
RRUS 4478 B14	B	From Leg	4.000	2.000	0.000	122.000	No Ice	1.843	1.059	0.060
			0.000				1/2" Ice	2.012	1.197	0.076
							1" Ice	2.190	1.342	0.094
RRUS 4478 B14	C	From Leg	4.000	2.000	0.000	122.000	No Ice	1.843	1.059	0.060
			0.000				1/2" Ice	2.012	1.197	0.076
							1" Ice	2.190	1.342	0.094
RRUS 4449 B5/B12	A	From Leg	4.000	2.000	0.000	122.000	No Ice	1.968	1.408	0.071
			0.000				1/2" Ice	2.144	1.564	0.090
							1" Ice	2.328	1.727	0.111
RRUS 4449 B5/B12	B	From Leg	4.000	2.000	0.000	122.000	No Ice	1.968	1.408	0.071
			0.000				1/2" Ice	2.144	1.564	0.090
							1" Ice	2.328	1.727	0.111
RRUS 4449 B5/B12	C	From Leg	4.000	2.000	0.000	122.000	No Ice	1.968	1.408	0.071
			0.000				1/2" Ice	2.144	1.564	0.090
							1" Ice	2.328	1.727	0.111
RRUS 8843 B2/B66A	A	From Leg	4.000	2.000	0.000	122.000	No Ice	1.639	1.353	0.072
			0.000				1/2" Ice	1.799	1.500	0.090

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			2.000			1" Ice	1.966	1.655	0.110
RRUS 8843 B2/B66A	B	From Leg	4.000	0.000	122.000	No Ice	1.639	1.353	0.072
			0.000			1/2" Ice	1.799	1.500	0.090
			2.000			1" Ice	1.966	1.655	0.110
RRUS 8843 B2/B66A	C	From Leg	4.000	0.000	122.000	No Ice	1.639	1.353	0.072
			0.000			1/2" Ice	1.799	1.500	0.090
			2.000			1" Ice	1.966	1.655	0.110
DC9-48-60-24-8C-EV	B	From Leg	1.000	0.000	122.000	No Ice	2.737	4.785	0.026
			0.000			1/2" Ice	2.963	5.065	0.063
			2.000			1" Ice	3.196	5.352	0.104
8' x 2" Mount Pipe	A	From Leg	4.000	0.000	122.000	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
8' x 2" Mount Pipe	B	From Leg	4.000	0.000	122.000	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
8' x 2" Mount Pipe	C	From Leg	4.000	0.000	122.000	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
4' x 2" Pipe Mount	A	From Leg	1.000	0.000	122.000	No Ice	0.785	0.785	0.029
			0.000			1/2" Ice	1.028	1.028	0.035
			0.000			1" Ice	1.281	1.281	0.044
4' x 2" Pipe Mount	B	From Leg	1.000	0.000	122.000	No Ice	0.785	0.785	0.029
			0.000			1/2" Ice	1.028	1.028	0.035
			0.000			1" Ice	1.281	1.281	0.044
4' x 2" Pipe Mount	C	From Leg	1.000	0.000	122.000	No Ice	0.785	0.785	0.029
			0.000			1/2" Ice	1.028	1.028	0.035
			0.000			1" Ice	1.281	1.281	0.044
T-Arm Mount [TA 601-3]	C	None		0.000	122.000	No Ice	12.560	12.560	0.726
						1/2" Ice	15.360	15.360	0.941
						1" Ice	18.040	18.040	1.210
*									
(2) LPA-80063/6CF w/ Mount Pipe	A	From Leg	4.000	0.000	110.000	No Ice	9.831	10.215	0.052
			0.000			1/2" Ice	10.400	11.384	0.145
			0.000			1" Ice	10.933	12.269	0.246
(2) LPA-80063/6CF w/ Mount Pipe	B	From Leg	4.000	0.000	110.000	No Ice	9.831	10.215	0.052
			0.000			1/2" Ice	10.400	11.384	0.145
			0.000			1" Ice	10.933	12.269	0.246
(2) LPA-80063/6CF w/ Mount Pipe	C	From Leg	4.000	0.000	110.000	No Ice	9.831	10.215	0.052
			0.000			1/2" Ice	10.400	11.384	0.145
			0.000			1" Ice	10.933	12.269	0.246
(2) DB-T1-6Z-8AB-0Z	A	From Leg	4.000	0.000	110.000	No Ice	4.800	2.000	0.044
			0.000			1/2" Ice	5.070	2.193	0.080
			0.000			1" Ice	5.348	2.393	0.120
(2) MX06FRO660-03 w/ Mount Pipe	A	From Leg	4.000	0.000	110.000	No Ice	6.540	5.550	0.103
			0.000			1/2" Ice	7.060	6.050	0.185
			0.000			1" Ice	7.600	6.570	0.277
(2) MX06FRO660-03 w/ Mount Pipe	B	From Leg	4.000	0.000	110.000	No Ice	6.540	5.550	0.103
			0.000			1/2" Ice	7.060	6.050	0.185
			0.000			1" Ice	7.600	6.570	0.277
(2) MX06FRO660-03 w/ Mount Pipe	C	From Leg	4.000	0.000	110.000	No Ice	6.540	5.550	0.103
			0.000			1/2" Ice	7.060	6.050	0.185
			0.000			1" Ice	7.600	6.570	0.277
MT6407-77A w/ Mount Pipe	A	From Leg	4.000	0.000	110.000	No Ice	4.907	2.682	0.096
			0.000			1/2" Ice	5.256	3.145	0.136
			0.000			1" Ice	5.615	3.624	0.180
MT6407-77A w/ Mount Pipe	B	From Leg	4.000	0.000	110.000	No Ice	4.907	2.682	0.096

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000			1/2" Ice	5.256	3.145	0.136
			0.000			1" Ice	5.615	3.624	0.180
MT6407-77A w/ Mount Pipe	C	From Leg	4.000	0.000	110.000	No Ice	4.907	2.682	0.096
			0.000			1/2" Ice	5.256	3.145	0.136
			0.000			1" Ice	5.615	3.624	0.180
RF4440D-13A	A	From Leg	4.000	0.000	110.000	No Ice	1.865	1.129	0.073
			0.000			1/2" Ice	2.035	1.267	0.090
			0.000			1" Ice	2.212	1.411	0.110
RF4440D-13A	B	From Leg	4.000	0.000	110.000	No Ice	1.865	1.129	0.073
			0.000			1/2" Ice	2.035	1.267	0.090
			0.000			1" Ice	2.212	1.411	0.110
RF4440D-13A	C	From Leg	4.000	0.000	110.000	No Ice	1.865	1.129	0.073
			0.000			1/2" Ice	2.035	1.267	0.090
			0.000			1" Ice	2.212	1.411	0.110
RF4439D-25A	A	From Leg	4.000	0.000	110.000	No Ice	1.865	1.252	0.075
			0.000			1/2" Ice	2.035	1.394	0.093
			0.000			1" Ice	2.212	1.544	0.114
RF4439D-25A	B	From Leg	4.000	0.000	110.000	No Ice	1.865	1.252	0.075
			0.000			1/2" Ice	2.035	1.394	0.093
			0.000			1" Ice	2.212	1.544	0.114
RF4439D-25A	C	From Leg	4.000	0.000	110.000	No Ice	1.865	1.252	0.075
			0.000			1/2" Ice	2.035	1.394	0.093
			0.000			1" Ice	2.212	1.544	0.114
Side Arm Mount [SO 102-3]	C	None		0.000	110.000	No Ice	3.600	3.600	0.075
						1/2" Ice	4.180	4.180	0.105
						1" Ice	4.750	4.750	0.135
Platform Mount [LP 304-1]	C	None		0.000	110.000	No Ice	17.490	17.490	1.349
						1/2" Ice	21.370	21.370	1.709
						1" Ice	25.280	25.280	2.131
Mount Reinforcement Specifications	C	None		0.000	110.000	No Ice	28.630	28.630	0.280
						1/2" Ice	37.310	37.310	0.670
						1" Ice	45.800	45.800	0.940
*									
L3x3x1/4 (11.82' horizontal)	A	From Leg	2.000	0.000	68.000	No Ice	3.546	0.075	0.060
			0.000			1/2" Ice	4.354	0.112	0.091
			0.000			1" Ice	5.170	0.156	0.133
L3x3x1/4 (11.82' horizontal)	B	From Leg	2.000	0.000	68.000	No Ice	3.546	0.075	0.060
			0.000			1/2" Ice	4.354	0.112	0.091
			0.000			1" Ice	5.170	0.156	0.133
L3x3x1/4 (11.82' horizontal)	C	From Leg	2.000	0.000	68.000	No Ice	3.546	0.075	0.060
			0.000			1/2" Ice	4.354	0.112	0.091
			0.000			1" Ice	5.170	0.156	0.133
C7x14.75 (8-ft long) web horizontal	A	From Leg	4.000	0.000	68.000	No Ice	0.134	0.134	0.010
			0.000			1/2" Ice	0.190	0.190	0.018
			0.000			1" Ice	0.252	0.252	0.022
C7x14.75 (8-ft long) web horizontal	B	From Leg	4.000	0.000	68.000	No Ice	0.134	0.134	0.010
			0.000			1/2" Ice	0.190	0.190	0.018
			0.000			1" Ice	0.252	0.252	0.022
C7x14.75 (8-ft long) web horizontal	C	From Leg	4.000	0.000	68.000	No Ice	0.134	0.134	0.010
			0.000			1/2" Ice	0.190	0.190	0.018
			0.000			1" Ice	0.252	0.252	0.022
*									

Load Combinations

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	130 - 120	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-15.273	-0.205	1.991
			Max. Mx	8	-9.122	-80.218	0.819
			Max. My	2	-9.105	-0.205	82.537
			Max. Vy	8	10.988	-80.218	0.819
			Max. Vx	14	11.408	0.110	-81.142
			Max. Torque	8			2.073
L2	120 - 100	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-28.626	0.131	3.616
			Max. Mx	8	-17.038	-398.194	2.263
			Max. My	2	-17.014	-0.873	411.907
			Max. Vy	8	20.806	-398.194	2.263
			Max. Vx	14	21.468	1.004	-409.405
			Max. Torque	8			3.017
L3	100 - 80	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-34.707	0.868	4.066
			Max. Mx	20	-21.932	835.724	-0.205
			Max. My	2	-21.899	-1.396	862.726
			Max. Vy	8	22.950	-835.644	3.240
			Max. Vx	14	23.612	2.052	-860.207
			Max. Torque	8			3.016
L4	80 - 60	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-44.216	1.677	4.533
			Max. Mx	8	-29.264	-1345.659	4.225
			Max. My	14	-29.237	3.135	-1383.874
			Max. Vy	8	28.108	-1345.659	4.225
			Max. Vx	14	28.798	3.135	-1383.874
			Max. Torque	8			3.016
L5	60 - 40	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.404	2.562	5.044
			Max. Mx	8	-35.989	-1935.051	5.215
			Max. My	14	-35.971	4.250	-1987.172
			Max. Vy	8	30.849	-1935.051	5.215
			Max. Vx	14	31.535	4.250	-1987.172
			Max. Torque	8			3.015
L6	40 - 20	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-61.210	3.511	5.592
			Max. Mx	8	-43.331	-2577.753	6.207
			Max. My	14	-43.324	5.392	-2643.698
			Max. Vy	8	33.444	-2577.753	6.207
			Max. Vx	14	34.124	5.392	-2643.698
			Max. Torque	8			3.014
L7	20 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-75.504	4.407	6.109
			Max. Mx	8	-56.292	-3268.720	7.185
			Max. My	14	-56.292	6.525	-3348.379
			Max. Vy	8	35.676	-3268.720	7.185
			Max. Vx	14	36.351	6.525	-3348.379
			Max. Torque	8			3.014

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	75.504	0.000	0.000
	Max. H_x	20	56.297	33.341	-0.038

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
	Max. H_z	2	56.297	-0.038	33.988
	Max. M_x	2	3186.377	-0.038	33.988
	Max. M_z	8	3268.720	-35.669	0.038
	Max. Torsion	8	3.014	-35.669	0.038
	Min. Vert	11	42.223	-28.855	-16.961
	Min. H_x	8	56.297	-35.669	0.038
	Min. H_z	14	56.297	0.038	-36.344
	Min. M_x	14	-3348.379	0.038	-36.344
	Min. M_z	20	-3107.376	33.341	-0.038
	Min. Torsion	20	-3.009	33.341	-0.038

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	46.914	0.000	0.000	-1.913	1.388	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	56.297	0.038	-33.988	-3186.377	-3.142	0.406
0.9 Dead+1.0 Wind 0 deg - No Ice	42.223	0.038	-33.988	-3172.142	-3.547	0.405
1.2 Dead+1.0 Wind 30 deg - No Ice	56.297	16.706	-29.457	-2762.468	-1555.468	-1.162
0.9 Dead+1.0 Wind 30 deg - No Ice	42.223	16.706	-29.457	-2750.047	-1549.241	-1.157
1.2 Dead+1.0 Wind 60 deg - No Ice	56.297	30.933	-18.205	-1681.918	-2834.698	-2.415
0.9 Dead+1.0 Wind 60 deg - No Ice	42.223	30.933	-18.205	-1674.243	-2823.214	-2.406
1.2 Dead+1.0 Wind 90 deg - No Ice	56.297	35.669	-0.038	-7.185	-3268.720	-3.014
0.9 Dead+1.0 Wind 90 deg - No Ice	42.223	35.669	-0.038	-6.562	-3255.412	-3.003
1.2 Dead+1.0 Wind 120 deg - No Ice	56.297	28.855	16.961	1585.489	-2685.489	-2.803
0.9 Dead+1.0 Wind 120 deg - No Ice	42.223	28.855	16.961	1579.290	-2674.439	-2.793
1.2 Dead+1.0 Wind 150 deg - No Ice	56.297	16.639	29.419	2752.931	-1547.095	-1.846
0.9 Dead+1.0 Wind 150 deg - No Ice	42.223	16.639	29.419	2741.733	-1540.909	-1.840
1.2 Dead+1.0 Wind 180 deg - No Ice	56.297	-0.038	36.344	3348.379	6.525	-0.402
0.9 Dead+1.0 Wind 180 deg - No Ice	42.223	-0.038	36.344	3334.870	6.074	-0.401
1.2 Dead+1.0 Wind 210 deg - No Ice	56.297	-17.867	31.469	2900.168	1641.066	1.149
0.9 Dead+1.0 Wind 210 deg - No Ice	42.223	-17.867	31.469	2888.542	1633.751	1.144
1.2 Dead+1.0 Wind 240 deg - No Ice	56.297	-28.893	17.027	1593.858	2693.700	2.397
0.9 Dead+1.0 Wind 240 deg - No Ice	42.223	-28.893	17.027	1587.619	2681.771	2.388
1.2 Dead+1.0 Wind 270 deg - No Ice	56.297	-33.341	0.038	2.483	3107.376	3.009
0.9 Dead+1.0 Wind 270 deg - No Ice	42.223	-33.341	0.038	3.058	3093.681	2.998

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
1.2 Dead+1.0 Wind 300 deg - No Ice	56.297	-30.895	-18.139	-1673.547	2833.249	2.817
0.9 Dead+1.0 Wind 300 deg - No Ice	42.223	-30.895	-18.139	-1665.913	2820.933	2.807
1.2 Dead+1.0 Wind 330 deg - No Ice	56.297	-17.801	-31.431	-2900.044	1632.699	1.864
0.9 Dead+1.0 Wind 330 deg - No Ice	42.223	-17.801	-31.431	-2887.242	1625.424	1.858
1.2 Dead+1.0 Ice+1.0 Temp	75.504	-0.000	-0.000	-6.109	4.407	0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	75.504	0.006	-8.677	-767.579	3.686	0.071
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	75.504	4.293	-7.518	-665.978	-370.596	-0.240
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	75.504	7.438	-4.349	-387.957	-644.988	-0.486
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	75.504	8.580	-0.006	-7.046	-744.680	-0.602
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	75.504	7.423	4.333	373.725	-643.581	-0.557
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	75.504	4.282	7.512	652.682	-369.218	-0.362
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	75.504	-0.006	8.687	755.785	5.277	-0.071
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	75.504	-4.295	7.523	653.811	379.750	0.239
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	75.504	-7.429	4.344	375.103	653.338	0.486
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	75.504	-8.575	0.006	-5.454	753.258	0.602
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	75.504	-7.431	-4.338	-386.579	653.154	0.558
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	75.504	-4.285	-7.516	-665.515	378.373	0.363
Dead+Wind 0 deg - Service	46.914	0.008	-7.146	-669.647	0.392	0.085
Dead+Wind 30 deg - Service	46.914	3.512	-6.193	-580.752	-325.135	-0.244
Dead+Wind 60 deg - Service	46.914	6.504	-3.828	-354.173	-593.416	-0.508
Dead+Wind 90 deg - Service	46.914	7.499	-0.008	-2.967	-684.433	-0.635
Dead+Wind 120 deg - Service	46.914	6.067	3.566	331.015	-562.101	-0.592
Dead+Wind 150 deg - Service	46.914	3.498	6.185	575.830	-323.380	-0.391
Dead+Wind 180 deg - Service	46.914	-0.008	7.641	700.727	2.419	-0.085
Dead+Wind 210 deg - Service	46.914	-3.757	6.616	606.731	345.202	0.244
Dead+Wind 240 deg - Service	46.914	-6.075	3.580	332.769	565.925	0.507
Dead+Wind 270 deg - Service	46.914	-7.010	0.008	-0.941	652.672	0.635
Dead+Wind 300 deg - Service	46.914	-6.496	-3.814	-352.418	595.214	0.593
Dead+Wind 330 deg - Service	46.914	-3.743	-6.608	-609.627	343.447	0.392

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX	PY	PZ	PX	PY	PZ	% Error
	K	K	K	K	K	K	
1	0.000	-46.914	0.000	0.000	46.914	0.000	0.000%
2	0.038	-56.297	-33.988	-0.038	56.297	33.988	0.000%
3	0.038	-42.223	-33.988	-0.038	42.223	33.988	0.000%
4	16.706	-56.297	-29.457	-16.706	56.297	29.457	0.000%
5	16.706	-42.223	-29.457	-16.706	42.223	29.457	0.000%
6	30.933	-56.297	-18.205	-30.933	56.297	18.205	0.000%
7	30.933	-42.223	-18.205	-30.933	42.223	18.205	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
8	35.669	-56.297	-0.038	-35.669	56.297	0.038	0.000%
9	35.669	-42.223	-0.038	-35.669	42.223	0.038	0.000%
10	28.855	-56.297	16.961	-28.855	56.297	-16.961	0.000%
11	28.855	-42.223	16.961	-28.855	42.223	-16.961	0.000%
12	16.639	-56.297	29.419	-16.639	56.297	-29.419	0.000%
13	16.639	-42.223	29.419	-16.639	42.223	-29.419	0.000%
14	-0.038	-56.297	36.344	0.038	56.297	-36.344	0.000%
15	-0.038	-42.223	36.344	0.038	42.223	-36.344	0.000%
16	-17.867	-56.297	31.469	17.867	56.297	-31.469	0.000%
17	-17.867	-42.223	31.469	17.867	42.223	-31.469	0.000%
18	-28.893	-56.297	17.027	28.893	56.297	-17.027	0.000%
19	-28.893	-42.223	17.027	28.893	42.223	-17.027	0.000%
20	-33.341	-56.297	0.038	33.341	56.297	-0.038	0.000%
21	-33.341	-42.223	0.038	33.341	42.223	-0.038	0.000%
22	-30.895	-56.297	-18.139	30.895	56.297	18.139	0.000%
23	-30.895	-42.223	-18.139	30.895	42.223	18.139	0.000%
24	-17.801	-56.297	-31.431	17.801	56.297	31.431	0.000%
25	-17.801	-42.223	-31.431	17.801	42.223	31.431	0.000%
26	0.000	-75.504	0.000	0.000	75.504	0.000	0.000%
27	0.006	-75.504	-8.677	-0.006	75.504	8.677	0.000%
28	4.293	-75.504	-7.518	-4.293	75.504	7.518	0.000%
29	7.438	-75.504	-4.349	-7.438	75.504	4.349	0.000%
30	8.580	-75.504	-0.006	-8.580	75.504	0.006	0.000%
31	7.423	-75.504	4.333	-7.423	75.504	-4.333	0.000%
32	4.282	-75.504	7.512	-4.282	75.504	-7.512	0.000%
33	-0.006	-75.504	8.687	0.006	75.504	-8.687	0.000%
34	-4.295	-75.504	7.523	4.295	75.504	-7.523	0.000%
35	-7.429	-75.504	4.344	7.429	75.504	-4.344	0.000%
36	-8.575	-75.504	0.006	8.575	75.504	-0.006	0.000%
37	-7.431	-75.504	-4.338	7.431	75.504	4.338	0.000%
38	-4.285	-75.504	-7.516	4.285	75.504	7.516	0.000%
39	0.008	-46.914	-7.146	-0.008	46.914	7.146	0.000%
40	3.512	-46.914	-6.193	-3.512	46.914	6.193	0.000%
41	6.504	-46.914	-3.828	-6.504	46.914	3.828	0.000%
42	7.499	-46.914	-0.008	-7.499	46.914	0.008	0.000%
43	6.067	-46.914	3.566	-6.067	46.914	-3.566	0.000%
44	3.498	-46.914	6.185	-3.498	46.914	-6.185	0.000%
45	-0.008	-46.914	7.641	0.008	46.914	-7.641	0.000%
46	-3.757	-46.914	6.616	3.757	46.914	-6.616	0.000%
47	-6.075	-46.914	3.580	6.075	46.914	-3.580	0.000%
48	-7.010	-46.914	0.008	7.010	46.914	-0.008	0.000%
49	-6.496	-46.914	-3.814	6.496	46.914	3.814	0.000%
50	-3.743	-46.914	-6.608	3.743	46.914	6.608	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00014056
3	Yes	4	0.00000001	0.00007719
4	Yes	5	0.00000001	0.00004786
5	Yes	5	0.00000001	0.00002252
6	Yes	5	0.00000001	0.00005782
7	Yes	5	0.00000001	0.00002718
8	Yes	4	0.00000001	0.00055998

9	Yes	4	0.00000001	0.00035907
10	Yes	5	0.00000001	0.00004482
11	Yes	5	0.00000001	0.00002113
12	Yes	5	0.00000001	0.00005359
13	Yes	5	0.00000001	0.00002541
14	Yes	4	0.00000001	0.00013120
15	Yes	4	0.00000001	0.00006916
16	Yes	5	0.00000001	0.00005533
17	Yes	5	0.00000001	0.00002592
18	Yes	5	0.00000001	0.00004582
19	Yes	5	0.00000001	0.00002159
20	Yes	4	0.00000001	0.00053919
21	Yes	4	0.00000001	0.00034855
22	Yes	5	0.00000001	0.00005848
23	Yes	5	0.00000001	0.00002752
24	Yes	5	0.00000001	0.00004914
25	Yes	5	0.00000001	0.00002289
26	Yes	4	0.00000001	0.00001460
27	Yes	5	0.00000001	0.00004749
28	Yes	5	0.00000001	0.00004857
29	Yes	5	0.00000001	0.00004795
30	Yes	5	0.00000001	0.00004574
31	Yes	5	0.00000001	0.00004693
32	Yes	5	0.00000001	0.00004726
33	Yes	5	0.00000001	0.00004618
34	Yes	5	0.00000001	0.00004769
35	Yes	5	0.00000001	0.00004750
36	Yes	5	0.00000001	0.00004624
37	Yes	5	0.00000001	0.00004831
38	Yes	5	0.00000001	0.00004877
39	Yes	4	0.00000001	0.00002258
40	Yes	4	0.00000001	0.00003824
41	Yes	4	0.00000001	0.00005163
42	Yes	4	0.00000001	0.00003430
43	Yes	4	0.00000001	0.00003967
44	Yes	4	0.00000001	0.00004612
45	Yes	4	0.00000001	0.00002297
46	Yes	4	0.00000001	0.00004589
47	Yes	4	0.00000001	0.00003907
48	Yes	4	0.00000001	0.00003333
49	Yes	4	0.00000001	0.00005387
50	Yes	4	0.00000001	0.00004049

Maximum Tower Deflections - Service Wind

Section No.	*Elevation*	*Horz. Deflection*	*Gov. Load Comb.*	*Tilt*	*Twist*
	ft	*in*		°	°
L1	130 - 120	6.669	50	0.434	0.002
L2	120 - 100	5.764	50	0.428	0.002
L3	100 - 80	4.033	50	0.388	0.001
L4	80 - 60	2.539	45	0.317	0.001
L5	60 - 40	1.371	45	0.234	0.000
L6	40 - 20	0.563	45	0.146	0.000
L7	20 - 0	0.127	45	0.058	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
130.000	APXVAALL24_43-U-NA20 w/ Mount Pipe	50	6.669	0.434	0.002	125755
128.000	Side Arm Mount [SO 102-3]	50	6.487	0.433	0.002	125755
122.000	7770.00 w/ Mount Pipe	50	5.944	0.430	0.002	78320
110.000	(2) LPA-80063/6CF w/ Mount Pipe	50	4.878	0.413	0.001	29153
68.000	L3x3x1/4 (11.82' horizontal)	45	1.796	0.268	0.001	13582

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	130 - 120	31.891	14	2.073	0.009
L2	120 - 100	27.570	14	2.046	0.008
L3	100 - 80	19.300	14	1.857	0.006
L4	80 - 60	12.148	14	1.519	0.003
L5	60 - 40	6.556	14	1.120	0.002
L6	40 - 20	2.693	14	0.699	0.001
L7	20 - 0	0.605	14	0.278	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
130.000	APXVAALL24_43-U-NA20 w/ Mount Pipe	14	31.891	2.073	0.009	27008
128.000	Side Arm Mount [SO 102-3]	14	31.024	2.069	0.009	27008
122.000	7770.00 w/ Mount Pipe	14	28.430	2.054	0.008	16813
110.000	(2) LPA-80063/6CF w/ Mount Pipe	14	23.339	1.975	0.007	6201
68.000	L3x3x1/4 (11.82' horizontal)	14	8.591	1.283	0.003	2842

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	130 - 120 (1)	P30x3/8	10.000	0.000	0.0	34.901	-9.105	1311.060	0.007
L2	120 - 100 (2)	P36x3/8	20.000	0.000	0.0	41.970	-17.014	1490.100	0.011
L3	100 - 80 (3)	P42x3/8	20.000	0.000	0.0	49.038	-21.899	1668.870	0.013
L4	80 - 60 (4)	P48x3/8	20.000	0.000	0.0	56.107	-29.237	1847.490	0.016

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L5	60 - 40 (5)	P54x3/8	20.000	0.000	0.0	63.175	-35.971	2026.000	0.018
L6	40 - 20 (6)	P60x3/8	20.000	0.000	0.0	70.244	-43.324	2204.430	0.020
L7	20 - 0 (7)	P60x3/4	20.000	0.000	0.0	139.605	-56.292	5244.230	0.011

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	130 - 120 (1)	P30x3/8	82.537	947.858	0.087	0.000	947.858	0.000
L2	120 - 100 (2)	P36x3/8	411.908	1338.808	0.308	0.000	1338.808	0.000
L3	100 - 80 (3)	P42x3/8	862.725	1796.558	0.480	0.000	1796.558	0.000
L4	80 - 60 (4)	P48x3/8	1383.875	2321.108	0.596	0.000	2321.108	0.000
L5	60 - 40 (5)	P54x3/8	1987.175	2912.458	0.682	0.000	2912.458	0.000
L6	40 - 20 (6)	P60x3/8	2643.700	3570.608	0.740	0.000	3570.608	0.000
L7	20 - 0 (7)	P60x3/4	3348.383	7582.875	0.442	0.000	7582.875	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	130 - 120 (1)	P30x3/8	11.402	395.779	0.029	0.406	994.725	0.000
L2	120 - 100 (2)	P36x3/8	21.455	454.187	0.047	0.406	1094.275	0.000
L3	100 - 80 (3)	P42x3/8	23.596	461.111	0.051	0.406	1297.250	0.000
L4	80 - 60 (4)	P48x3/8	28.798	477.301	0.060	0.402	1536.358	0.000
L5	60 - 40 (5)	P54x3/8	31.535	491.995	0.064	0.402	1783.167	0.000
L6	40 - 20 (6)	P60x3/8	34.124	505.479	0.068	0.402	2037.025	0.000
L7	20 - 0 (7)	P60x3/4	36.351	1583.120	0.023	0.402	8246.708	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	130 - 120 (1)	0.007	0.087	0.000	0.029	0.000	0.095 ✔	1.050	4.8.2 ✔
L2	120 - 100 (2)	0.011	0.308	0.000	0.047	0.000	0.321 ✔	1.050	4.8.2 ✔
L3	100 - 80 (3)	0.013	0.480	0.000	0.051	0.000	0.496 ✔	1.050	4.8.2 ✔
L4	80 - 60 (4)	0.016	0.596	0.000	0.060	0.000	0.616 ✔	1.050	4.8.2 ✔
L5	60 - 40 (5)	0.018	0.682	0.000	0.064	0.000	0.704 ✔	1.050	4.8.2 ✔

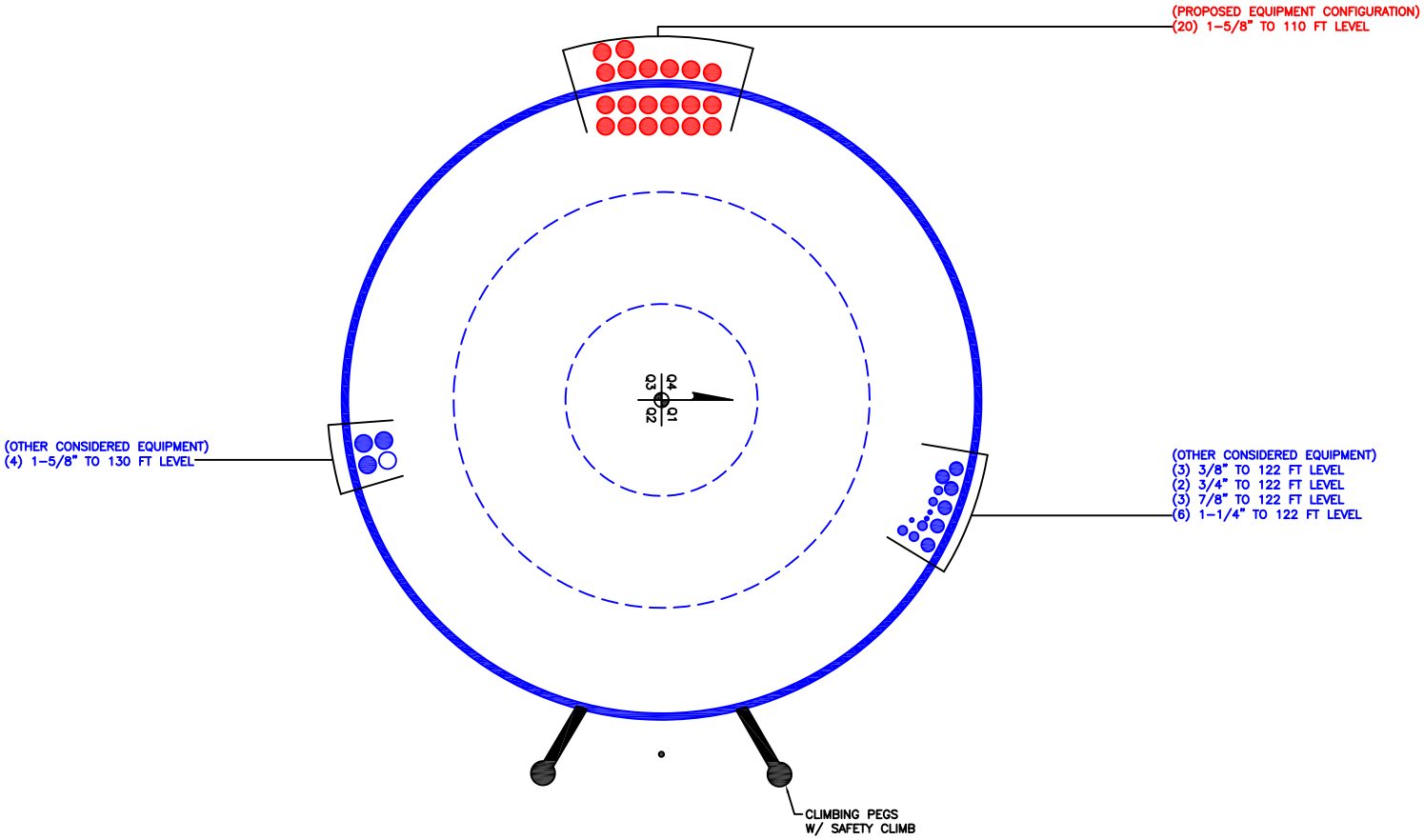
Section No.	Elevation ft	Ratio $P_u/\phi P_n$	Ratio $M_{ux}/\phi M_{nx}$	Ratio $M_{uy}/\phi M_{ny}$	Ratio $V_u/\phi V_n$	Ratio $T_u/\phi T_n$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L6	40 - 20 (6)	0.020	0.740	0.000	0.068	0.000	0.765 ✔	1.050	4.8.2 ✔
L7	20 - 0 (7)	0.011	0.442	0.000	0.023	0.000	0.453 ✔	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	130 - 120	Pole	P30x3/8	1	-9.105	1376.613	9.0	Pass
L2	120 - 100	Pole	P36x3/8	2	-17.014	1564.605	30.6	Pass
L3	100 - 80	Pole	P42x3/8	3	-21.899	1752.313	47.2	Pass
L4	80 - 60	Pole	P48x3/8	4	-29.237	1939.864	58.6	Pass
L5	60 - 40	Pole	P54x3/8	5	-35.971	2127.300	67.1	Pass
L6	40 - 20	Pole	P60x3/8	6	-43.324	2314.651	72.8	Pass
L7	20 - 0	Pole	P60x3/4	7	-56.292	5506.441	43.1	Pass
							Summary	
						Pole (L6)	72.8	Pass
						RATING =	**72.8**	**Pass**

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 824359

APPENDIX C

ADDITIONAL CALCULATIONS

Monopole Flange Plate Connection

Elevation = 120 ft.

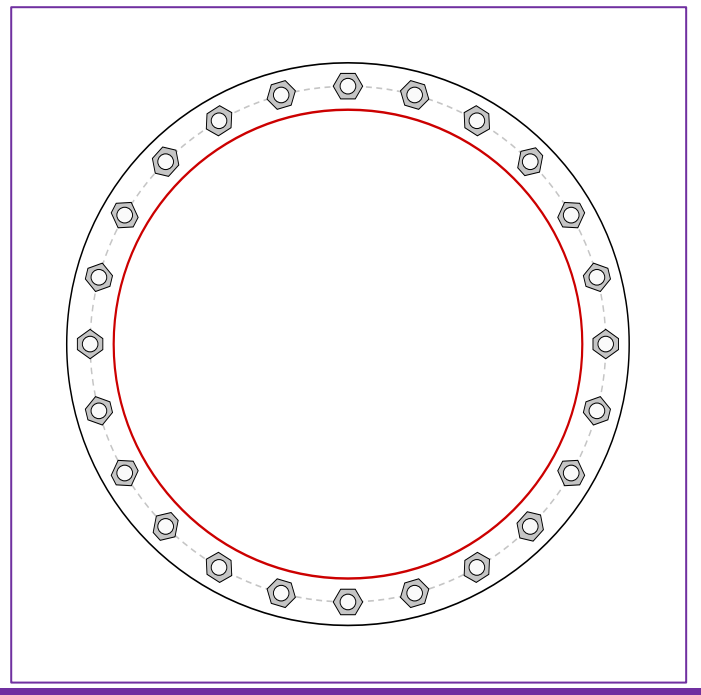
BU #	824359
Site Name	ton/ I-95/ X89/ Noa_1
Order #	589613, Rev# 0

TIA-222 Revision	H

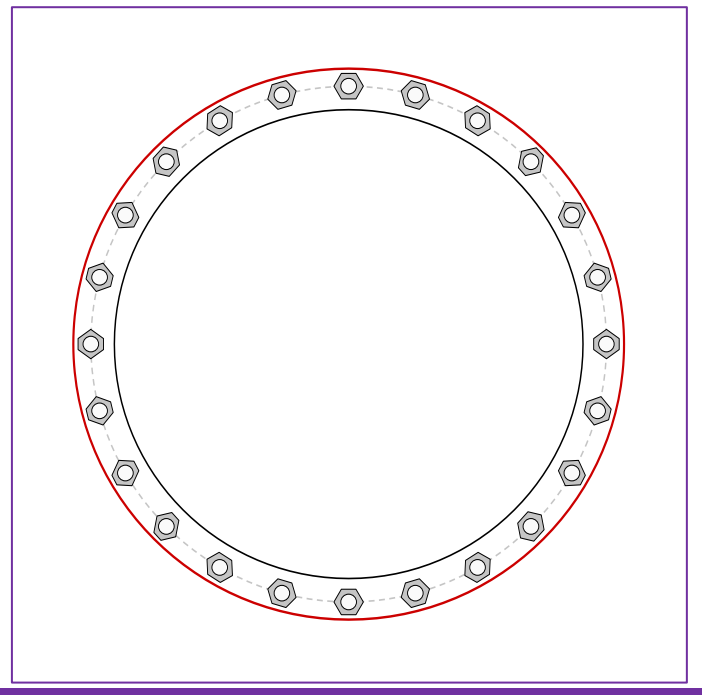
Applied Loads	
Moment (kip-ft)	82.54
Axial Force (kips)	9.11
Shear Force (kips)	11.40

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(24) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 33" BC

Top Plate Data

36" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

30" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

30" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

36" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	4.62	
Allowable (kips)	54.54	
Stress Rating:	**8.1%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Monopole Flange Plate Connection

Elevation = 100 ft.

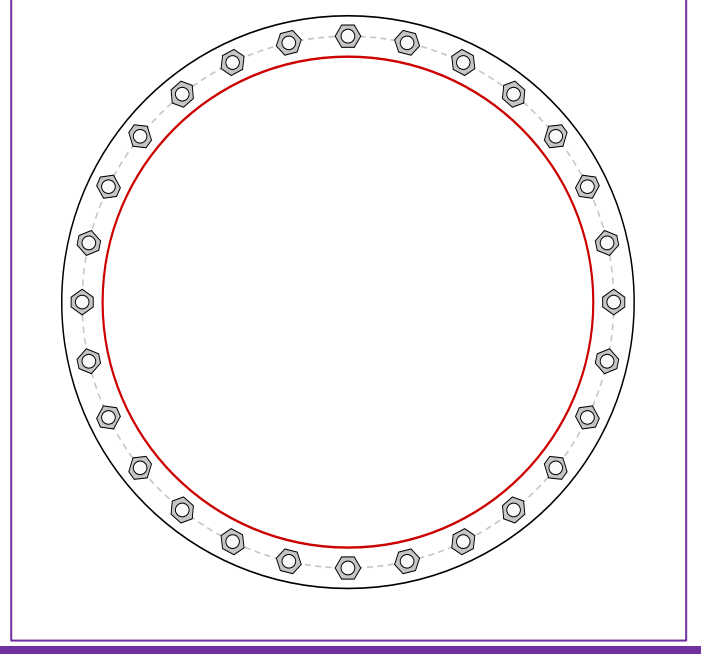
BU #	824359
Site Name	ton/ I-95/ X89/ Noa_1
Order #	589613, Rev# 0

TIA-222 Revision	H

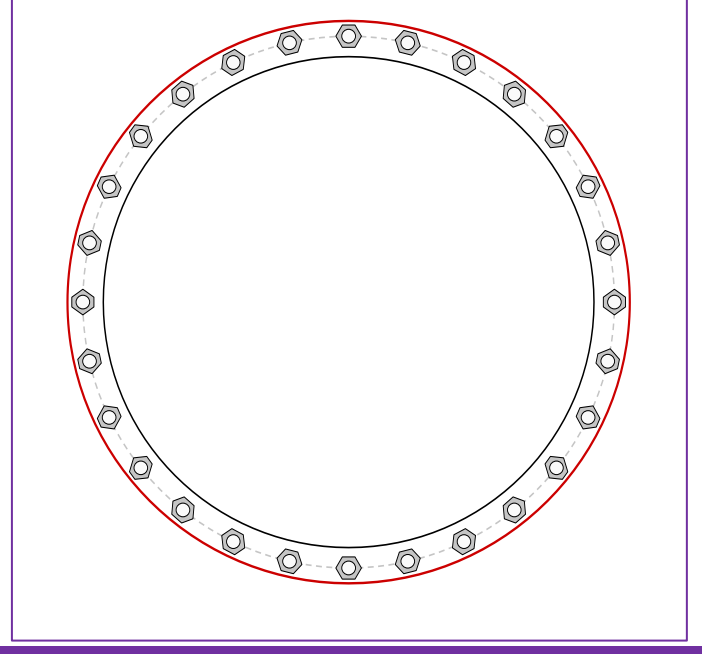
Applied Loads	
Moment (kip-ft)	411.91
Axial Force (kips)	17.01
Shear Force (kips)	21.46

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(28) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 39" BC

Top Plate Data

42" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

36" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

36" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

42" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	17.49	
Allowable (kips)	54.53	
Stress Rating:	**30.6%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Monopole Flange Plate Connection

Elevation = 80 ft.

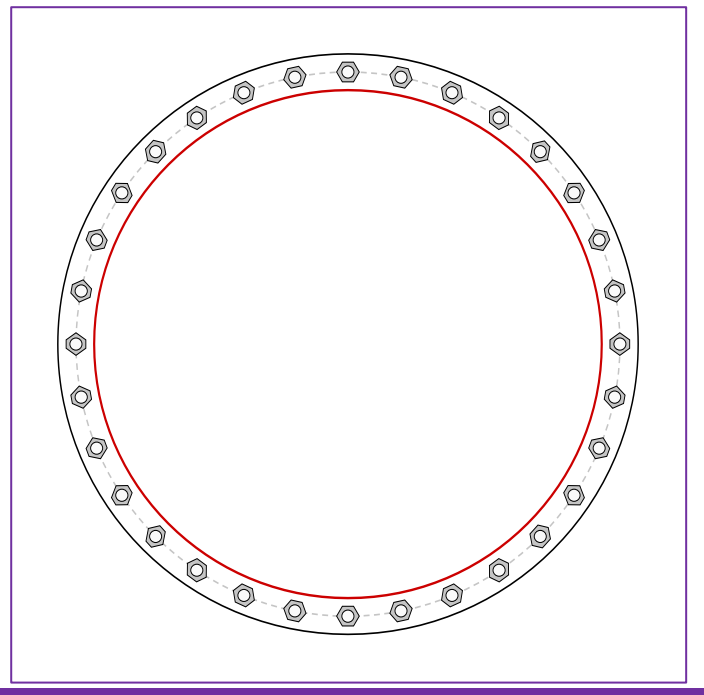
BU #	824359
Site Name	ton/ I-95/ X89/ Noa_1
Order #	589613, Rev# 0

TIA-222 Revision	H

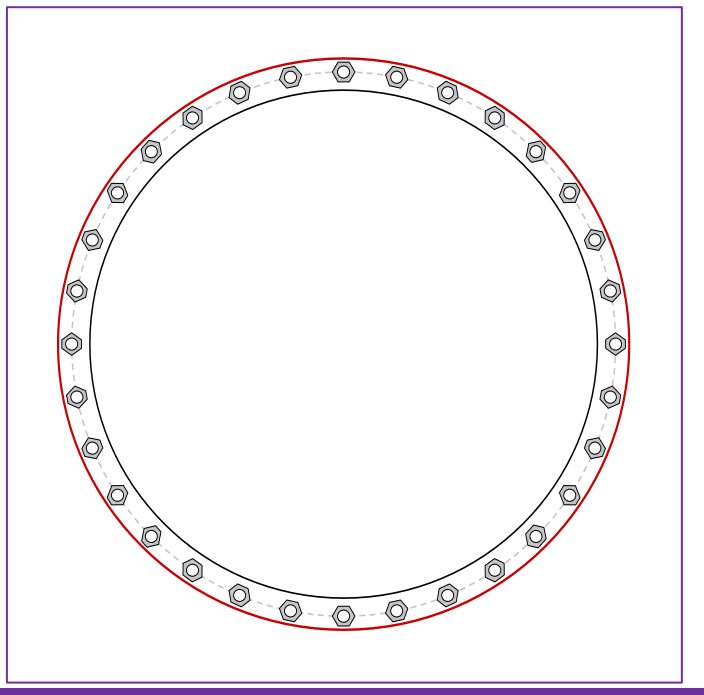
Applied Loads	
Moment (kip-ft)	862.73
Axial Force (kips)	21.90
Shear Force (kips)	23.60

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(32) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 45" BC

Top Plate Data

48" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

42" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

42" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

48" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	28.07	
Allowable (kips)	54.53	
Stress Rating:	**49.0%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Monopole Flange Plate Connection

Elevation = 60 ft.

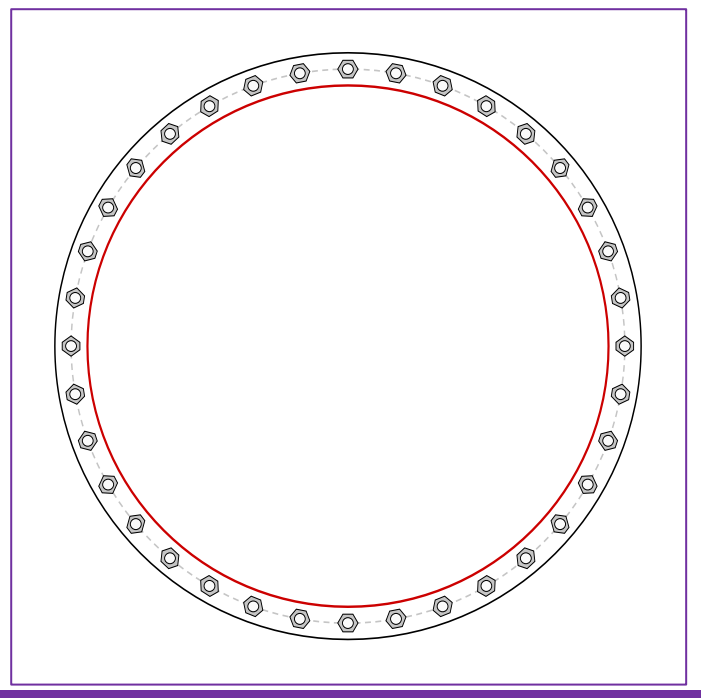
BU #	824359
Site Name	ton/ I-95/ X89/ Noa_1
Order #	589613, Rev# 0

TIA-222 Revision	H

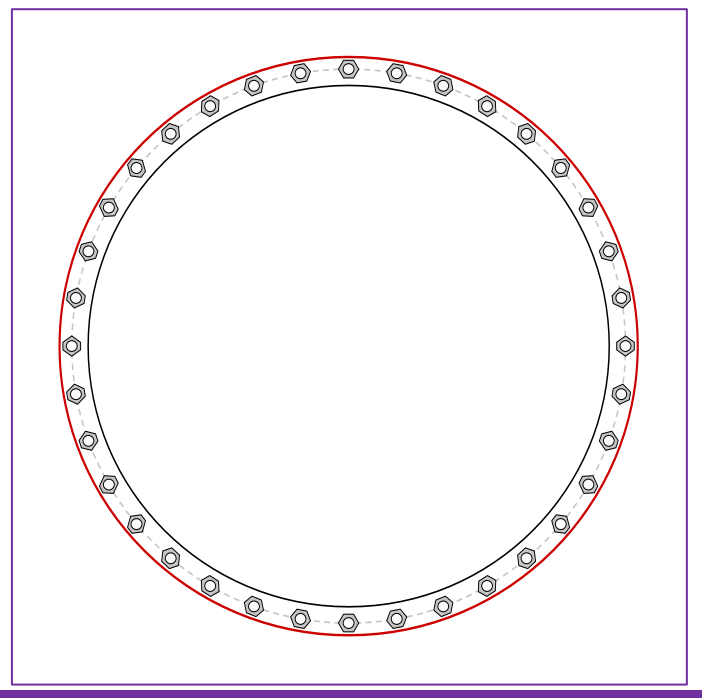
Applied Loads	
Moment (kip-ft)	1383.88
Axial Force (kips)	29.24
Shear Force (kips)	28.80

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(36) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 51" BC

Top Plate Data

54" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

48" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

48" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

54" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	35.36	
Allowable (kips)	54.53	
Stress Rating:	**61.8%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Monopole Flange Plate Connection

Elevation = 40 ft.

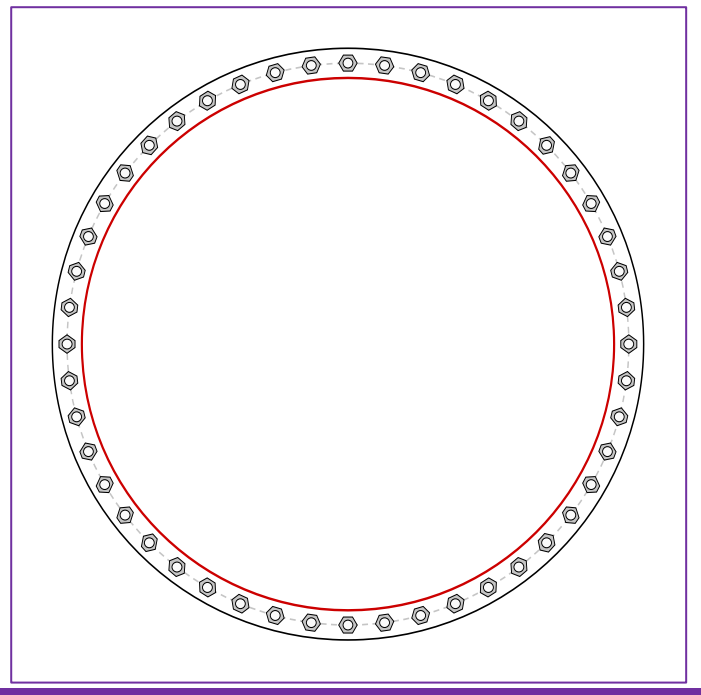
BU #	824359
Site Name	ton/ I-95/ X89/ Noa_1
Order #	589613, Rev# 0

TIA-222 Revision	H

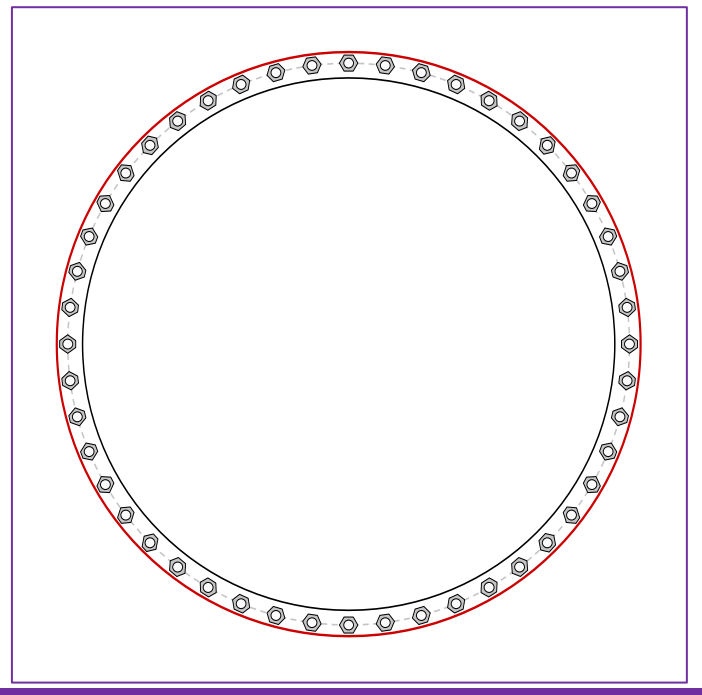
Applied Loads	
Moment (kip-ft)	1987.18
Axial Force (kips)	35.97
Shear Force (kips)	31.53

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(48) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 57" BC

Top Plate Data

60" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

54" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

54" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

60" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	34.11	
Allowable (kips)	54.53	
Stress Rating:	**59.6%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Monopole Flange Plate Connection

Elevation = 20 ft.

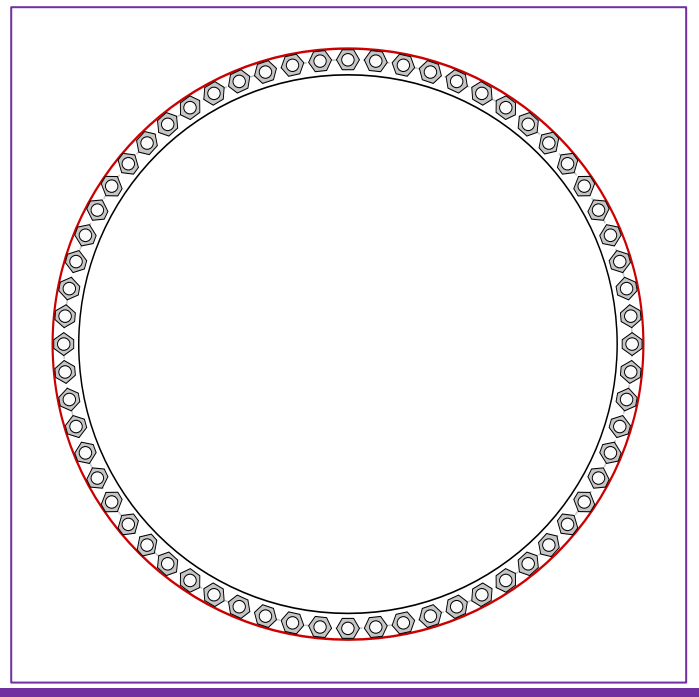
BU #	824359
Site Name	ton/ I-95/ X89/ Noa_1
Order #	589613, Rev# 0

TIA-222 Revision	H

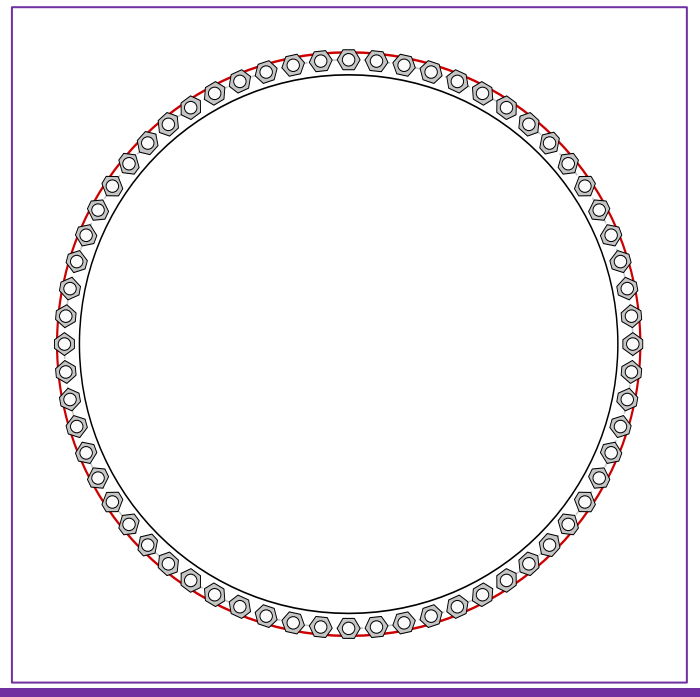
Applied Loads	
Moment (kip-ft)	2643.70
Axial Force (kips)	43.32
Shear Force (kips)	34.12

**TIA-222-H Section 15.5 Applied*

Top Plate - Internal



Bottom Plate - Internal



Connection Properties

Bolt Data

(64) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 57" BC

Top Plate Data

54" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

54" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

60" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

60" x 0.75" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	34.10	
Allowable (kips)	87.21	
Stress Rating:	**37.2%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

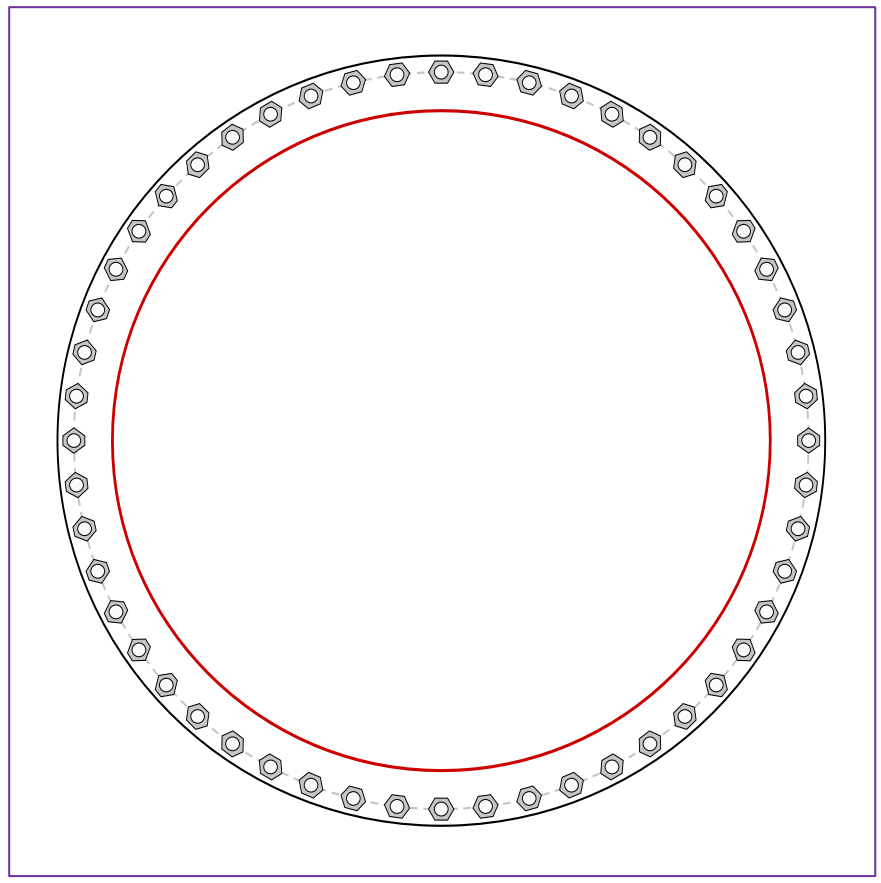
Monopole Base Plate Connection

Site Info	
BU #	824359
Site Name	ton/ I-95/ X89/ Noa_1
Order #	589613, Rev# 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1.875

Applied Loads	
Moment (kip-ft)	3348.39
Axial Force (kips)	56.29
Shear Force (kips)	36.35

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(52) 1-1/4" ø bolts (A687 N; Fy=105 ksi, Fu=125 ksi) on 67" BC

Base Plate Data

70" OD x 1" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Stiffener Data

N/A

Pole Data

60" x 0.75" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

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

Pu_t = 45.04	ϕPn_t = 90.84	**Stress Rating**
Vu = 0.7	ϕVn = 57.52	**47.2%**
Mu = 0.85	ϕMn = 30.76	**Pass**

Base Plate Summary

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**

Pier and Pad Foundation

BU # :	824359
Site Name:	Groton/ I-95/ X89/ N
App. Number:	589613, Rev# 0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions

Compression, P_{comp}:	56.29	kips
Base Shear, Vu_comp:	36.35	kips
Moment, M_u:	3348.39	ft-kips
Tower Height, **H**:	130	ft
BP Dist. Above Fdn, bp_{dist}:	3.125	in

Pier Properties

Pier Shape:	Square	
Pier Diameter, **dpier**:	7	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	9	
Pier Rebar Quantity, **mc**:	40	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	7	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties

Depth, **D**:	6.6	ft
Pad Width, W_1:	20.7	ft
Pad Width, W_2:	22	ft
Pad Thickness, **T**:	2.3	ft
Pad Rebar Size (Bottom dir. 1), Sp_1:	11	
Pad Rebar Quantity (Bottom dir. 1), mp_1:	24	
Pad Rebar Size (Bottom dir. 2), Sp_2:	11	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	24	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties

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

Soil Properties

Total Soil Unit Weight, γ:	130	pcf
Ultimate Net Bearing, Qnet:	32.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	34	degrees
SPT Blow Count, N_{blows}:	59	
Base Friction, μ:	0.65	
Neglected Depth, **N**:	3.33	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	10	ft

<--Toggle between Gross and Net

Foundation Analysis Checks

	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	303.06	36.35	**11.4%**	**Pass**
Bearing Pressure (ksf)	24.64	3.85	**15.6%**	**Pass**
*Overturning (kip*ft)*	4795.72	3615.94	**75.4%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	6265.84	3522.87	**53.5%**	**Pass**
Pier Compression (kip)	23390.64	98.63	**0.4%**	**Pass**
*Pad Flexure (kip*ft)*	3507.17	1726.59	**46.9%**	**Pass**
Pad Shear - 1-way (kips)	487.70	329.90	**64.4%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.164	0.000	**0.0%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	4374.68	2113.72	**46.0%**	**Pass**

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

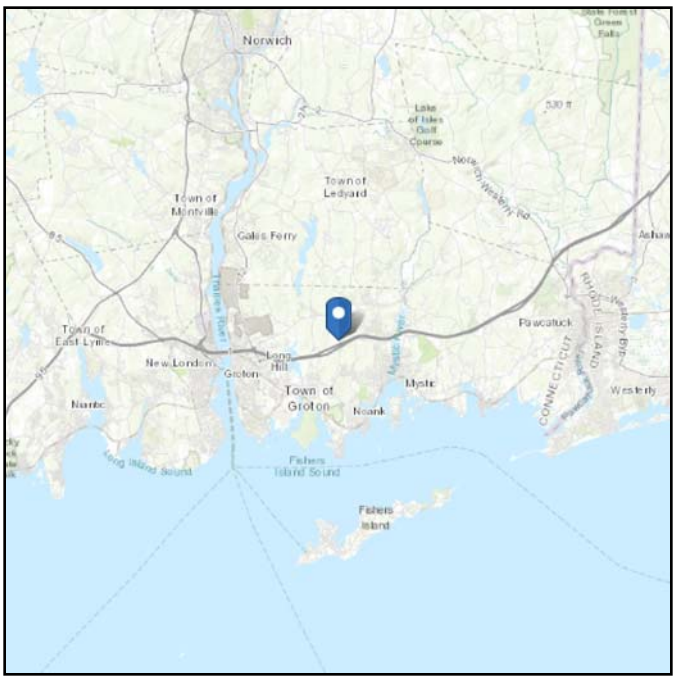
Structural Rating*:	**64.4%**
Soil Rating*:	**75.4%**

Version 4.1.1

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Elevation:**	193.35 ft (NAVD 88)
Risk Category:	II	**Latitude:**	41.369928
Soil Class:	D - Default (see Section 11.4.3)	**Longitude:**	-72.008269



Wind

Results:

Wind Speed:	127 Vmph
10-year MRI	76 Vmph
25-year MRI	86 Vmph
50-year MRI	99 Vmph
100-year MRI	105 Vmph

Data Source:	ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed:	Wed Oct 06 2021

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

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

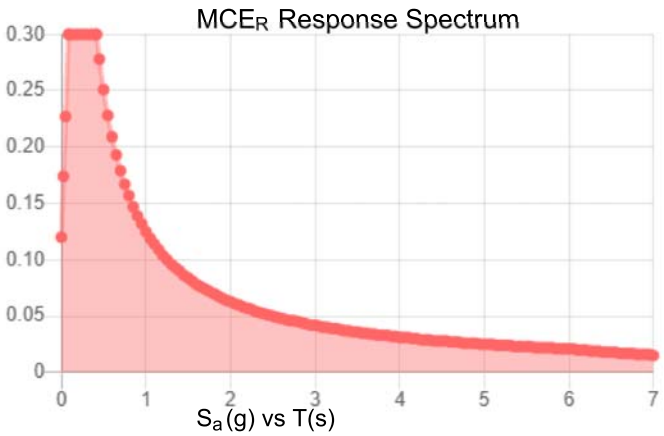
Seismic

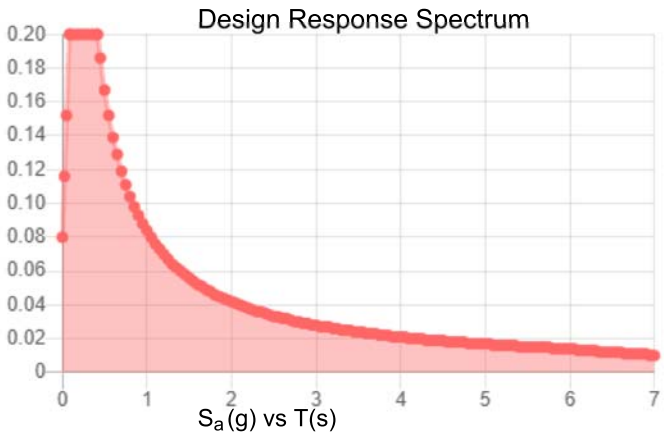
Site Soil Class: D - Default (see Section 11.4.3)

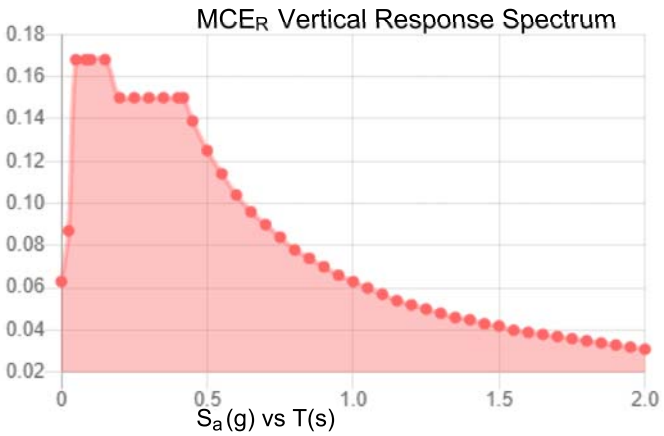
Results:

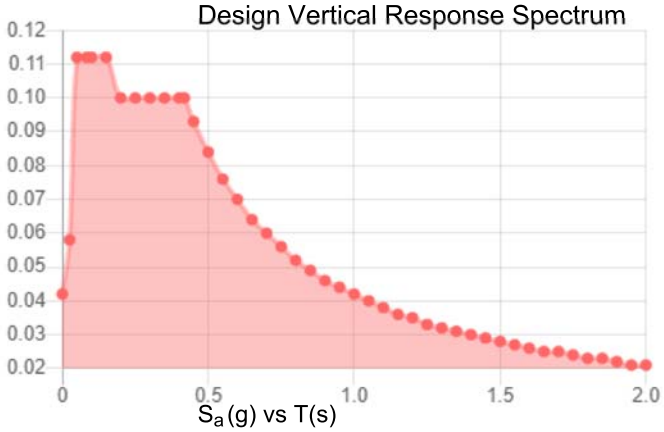
S_S :	0.187	S_{D1} :	0.084
S_1 :	0.052	T_L :	6
F_a :	1.6	PGA :	0.103
F_v :	2.4	PGA_M :	0.164
S_{MS} :	0.3	F_{PGA} :	1.595
S_{M1} :	0.125	I_e :	1
S_{DS} :	0.2	C_v :	0.7

Seismic Design Category B









Data Accessed: Wed Oct 06 2021

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

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Wed Oct 06 2021

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

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

Exhibit E

Mount Analysis

Maser Consulting Connecticut
2000 Midlantic Drive Suite 100
Mt. Laurel, NJ 08054
(215)962-5934
Peter.albano@colliersengineering.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10099906
Maser Consulting Project #: 21781014A

September 10, 2021

Site Information	*Site ID:*	*468619-VZW / GROTON 4 CT*
	Site Name:	*GROTON 4 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*741 Flanders Road* *Groton, Connecticut 06340* *New London County*
	Latitude:	*41.369928°*
	Longitude:	*-72.008269°*
Structure Information	*Tower Type:*	*129-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 16244595

Analysis Results

Platform: **61.5% Pass**

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

Report Prepared By: Devin Castillo

Digitally signed by Eric Anderson
Date: 2021.09.10 10:30:59-04'00'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 324003, dated July 28, 2021*
Mount Mapping Report	*Hudson Design Group, LLC, Site ID: 468619, dated June 8, 2021*
Previous Mount Analysis Report	*Maser Consulting Project #: 21781014A, dated August 30, 2021*
Mount Modification Drawings	*Maser Consulting Project #: 21781014A, dated September 8, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	127 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.993
Seismic Parameters:	S_S:	0.187
	S_1:	0.052
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
109.50	110.00	6	Amphenol Antel	LPA-80063/6CF	Retained
		2	Raycap	RRFDC-3315-PF-48	
		6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Mod Corner Angle	*6.7%*	*Pass*
Mod Support Rail	*15.3%*	*Pass*
Ovp Pipe	*11.9%*	*Pass*
Mount Pipe	*34.6%*	*Pass*
Mod Dual Pipe	*29.6%*	*Pass*
Face Horizontal	*18.3%*	*Pass*
Corner Plate	*37.6%*	*Pass*
Cross Arm Plate	*56.6%*	*Pass*
Grating Support	*31.1%*	*Pass*
Platform Crossmember	*20.1%*	*Pass*
Standoff Horizontal	*40.4%*	*Pass*
Connection Check	*61.3%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**61.5%%**

Recommendation:

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

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

Attachments:

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

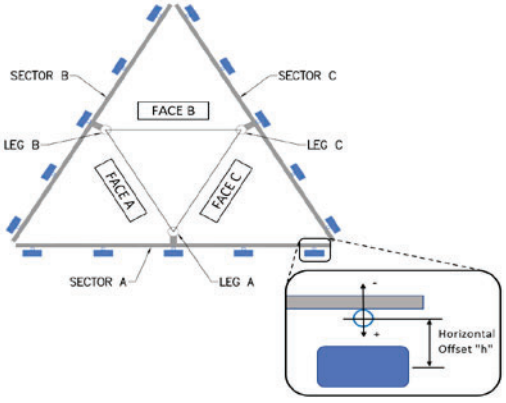
V4.0 Updated on 3-31-2021

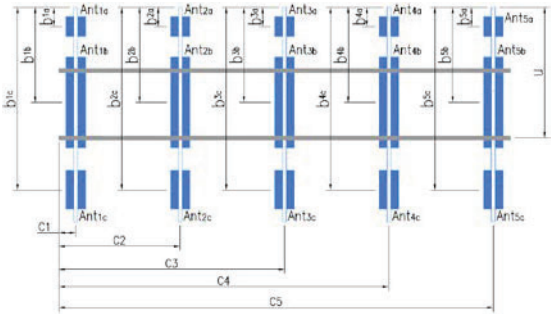
Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1237441

Tower Owner:	CROWN	**Mapping Date:**	6/8/2021
Site Name:	GROTON 4 CT	**Tower Type:**	Monopole
Site Number or ID:	468619	**Tower Height (Ft.):**	129
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	106.5

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





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE X 72" LONG	39.50	11.00	C1	2" STD. PIPE X 72" LONG	39.50	11.00
A2	2" STD. PIPE X 72" LONG	39.50	41.00	C2	2" STD. PIPE X 72" LONG	39.50	41.00
A3	2" STD. PIPE X 72" LONG	39.50	77.00	C3	2" STD. PIPE X 72" LONG	39.50	77.00
A4	2" STD. PIPE X 72" LONG	39.50	121.00	C4	2" STD. PIPE X 72" LONG	39.50	121.00
A5	2" STD. PIPE X 72" LONG	39.50	142.00	C5	2" STD. PIPE X 72" LONG	39.50	142.00
A6				C6			
B1	2" STD. PIPE X 72" LONG	39.50	11.00	D1			
B2	2" STD. PIPE X 72" LONG	39.50	41.00	D2			
B3	2" STD. PIPE X 72" LONG	39.50	77.00	D3			
B4	2" STD. PIPE X 72" LONG	39.50	121.00	D4			
B5	2" STD. PIPE X 72" LONG	39.50	142.00	D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	26
Please enter additional infomation or comments below.	

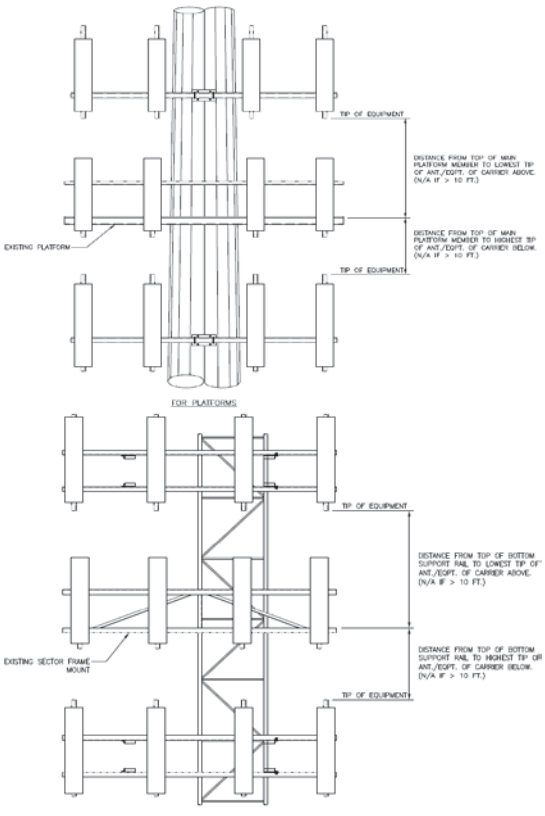
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	28
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			0.375

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	UNKNOWN	15.00	14.00	71.00		106.792	36.00	15.00	50.00	13,14
Ant_{1c}										
Ant_{2a}	B4 RRH2X60-4R	11.00	6.00	36.00		109.042	9.00	-7.00		161,162
Ant_{2b}	HBXX-6517DS-A2M	12.00	7.00	75.00		107.542	27.00	9.00	35.00	13,133
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	LNX-6514DS-A1M	12.00	8.00	72.00		107.208	31.00	8.00	50.00	14,137
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	HBXX-6517DS-A2M	12.00	7.00	75.00		107.542	27.00	9.00	40.00	15,133
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	UNKNOWN	15.00	14.00	71.00		106.792	36.00	15.00	50.00	11,16
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

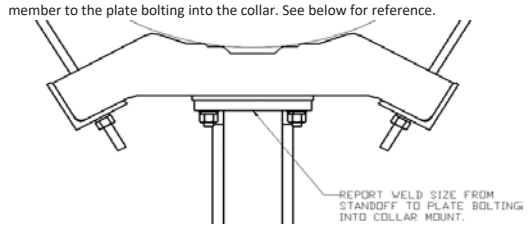
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	50.00	Deg	Leg A:		Deg
Sector B:	170.00	Deg	Leg B:		Deg
Sector C:	290.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	100.00	Deg	N/A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.

Please insert a photo of the mount centerline measurement here.



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



Sector B										
Ant_{1a}										
Ant_{1b}	UNKNOWN	15.00	14.00	71.00		106.792	36.00	15.00	150.00	23,24
Ant_{1c}										
Ant_{2a}	B4 RRH2X60-4R	11.00	6.00	36.00		109.042	9.00	-7.00		153,154
Ant_{2b}	HBXX-6517DS-A2M	12.00	7.00	75.00		107.542	27.00	9.00	150.00	24,133
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	LNX-6514DS-A1M	12.00	8.00	72.00		107.208	31.00	8.00	150.00	24,137
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	HBXX-6517DS-A2M	12.00	7.00	75.00		107.542	27.00	9.00	150.00	25,133
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	UNKNOWN	15.00	14.00	71.00		106.792	36.00	15.00	150.00	23,25
Ant_{5c}										
Ant on Standoff	RRFDC-3315-PF-48	15.00	10.00	28.00			-2.00	7.00		155,156
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	UNKNOWN	15.00	14.00	71.00		106.792	36.00	15.00	250.00	32,33
Ant_{1c}										
Ant_{2a}	B4 RRH2X60-4R	11.00	6.00	36.00		109.042	9.00	-7.00		153,154
Ant_{2b}	HBXX-6517DS-A2M	12.00	7.00	75.00		107.542	27.00	9.00	250.00	33,133
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	LNX-6514DS-A1M	12.00	8.00	72.00		107.208	31.00	8.00	255.00	34,137
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	HBXX-6517DS-A2M	12.00	7.00	75.00		107.542	27.00	9.00	250.00	36,133
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	UNKNOWN	15.00	14.00	71.00		106.792	36.00	15.00	255.00	36,37
Ant_{5c}										
Ant on Standoff	RRFDC-3315-PF-48	15.00	10.00	28.00			-2.00	7.00		155,156
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

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

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

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

V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

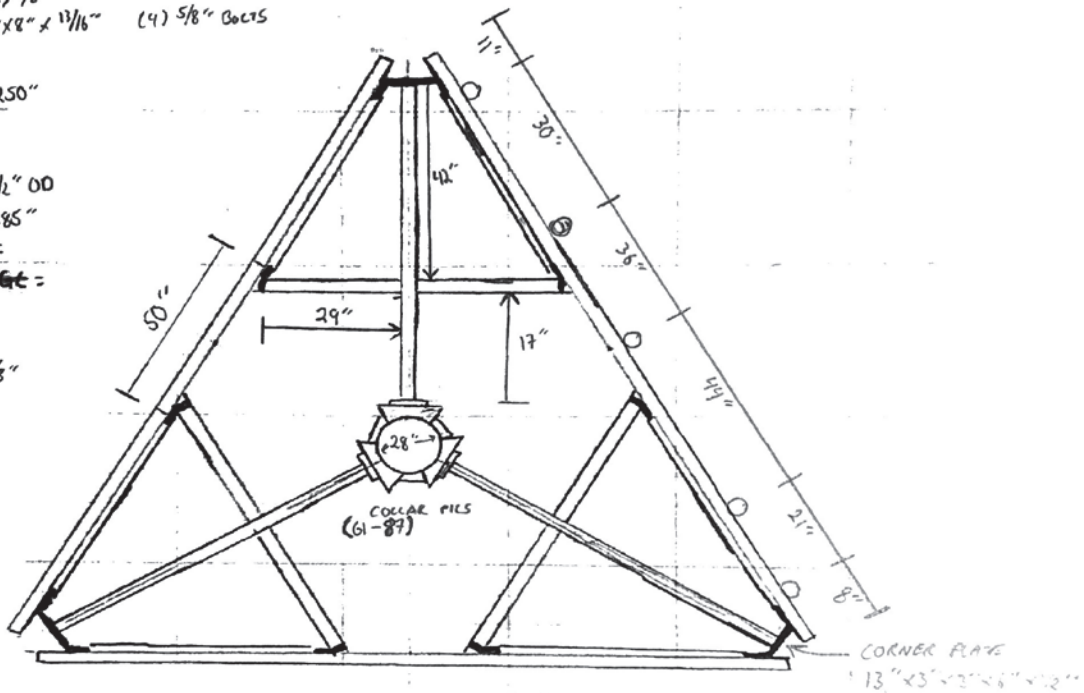
FCC # 1237441

Tower Owner:	CROWN	**Mapping Date:**	6/8/2021
Site Name:	GROTON 4 CT	**Tower Type:**	Monopole
Site Number or ID:	468619	**Tower Height (Ft.):**	129
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	106.5

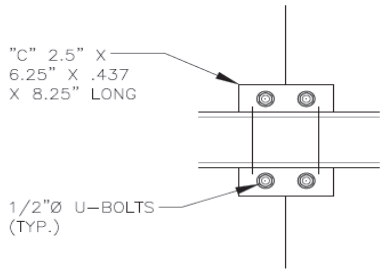
Please Insert Sketches of the Antenna Mount

TOT = 129'
MOUNT CL = 106'8" (FACE PIPE) AGL
TOWER D = 28"
↳ WALL = .400
COLLAR = 9½" x 5/8"
- T ROD = (3) 5/8"
- PLATE = 8"x8" x 13/16" (4) 5/8" BOLTS
HSS = 4"x4"
↳ WALL = .250"
T-F = 36"
T-A = 68"
FACE PIPE = 3½" OD
↳ WALL = .285"
~~ANT MOUNTS~~ =
~~TOPOUT MESSENGE~~ =

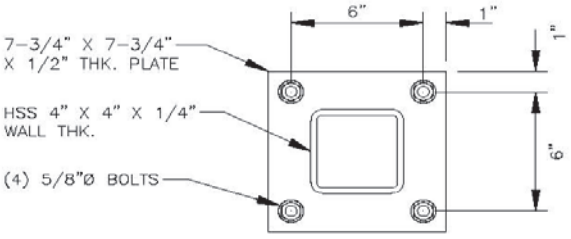
CROSS PLATES
6"x8"x2½"x3/8"
½" UB



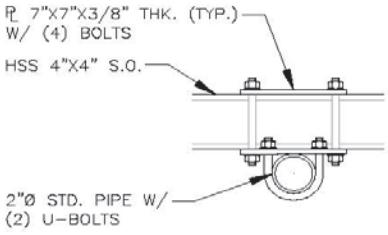
Please Insert Sketches of the Antenna Mount, cont'd



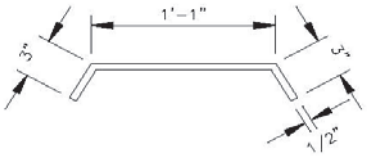
CROSSOVER PLATE DETAIL



STANDOFF TO RING MOUNT CONNECTION

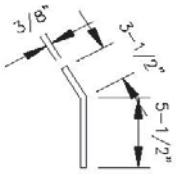


S.O. MOUNT DETAIL



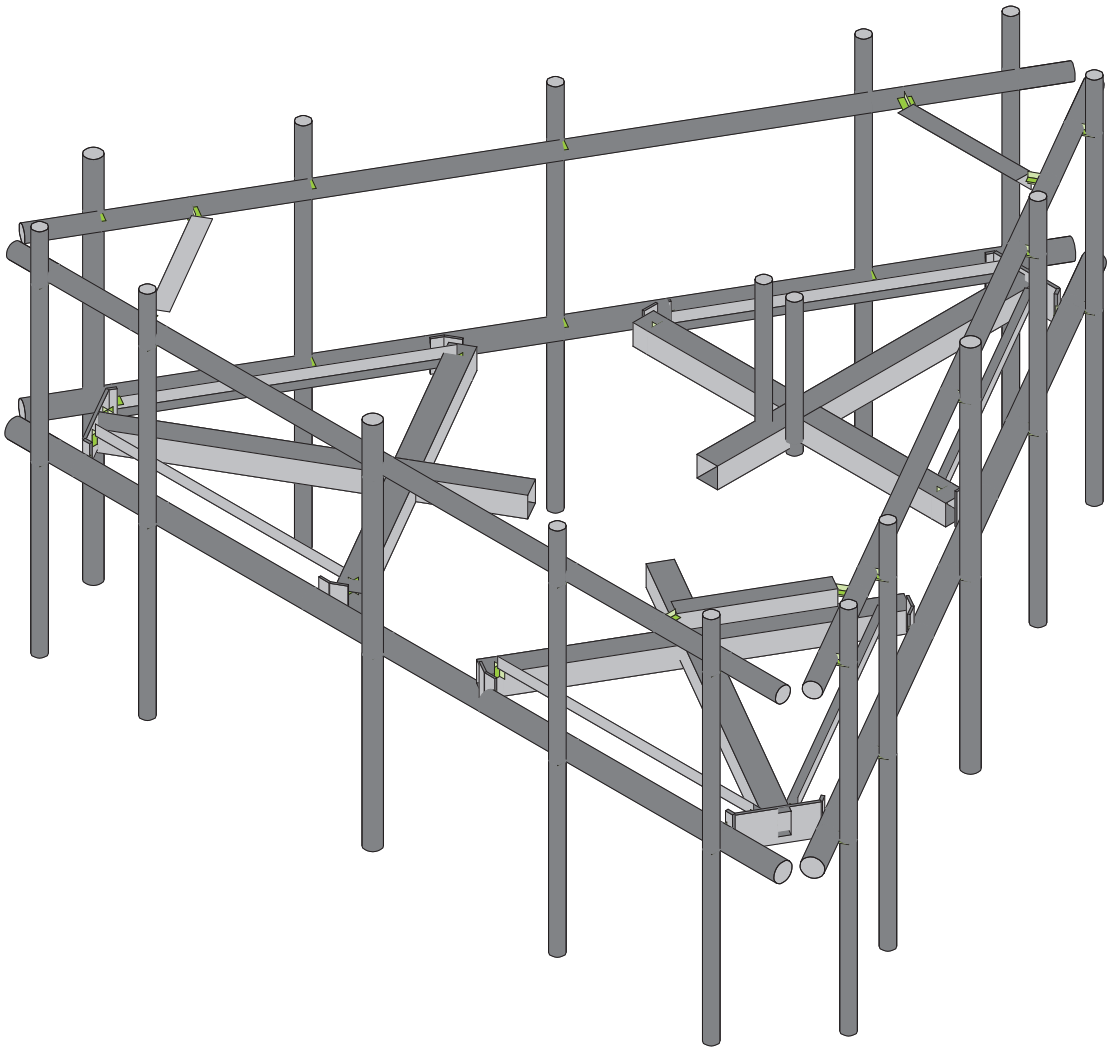
DETAIL J

APEX "A" PLATE DETAIL

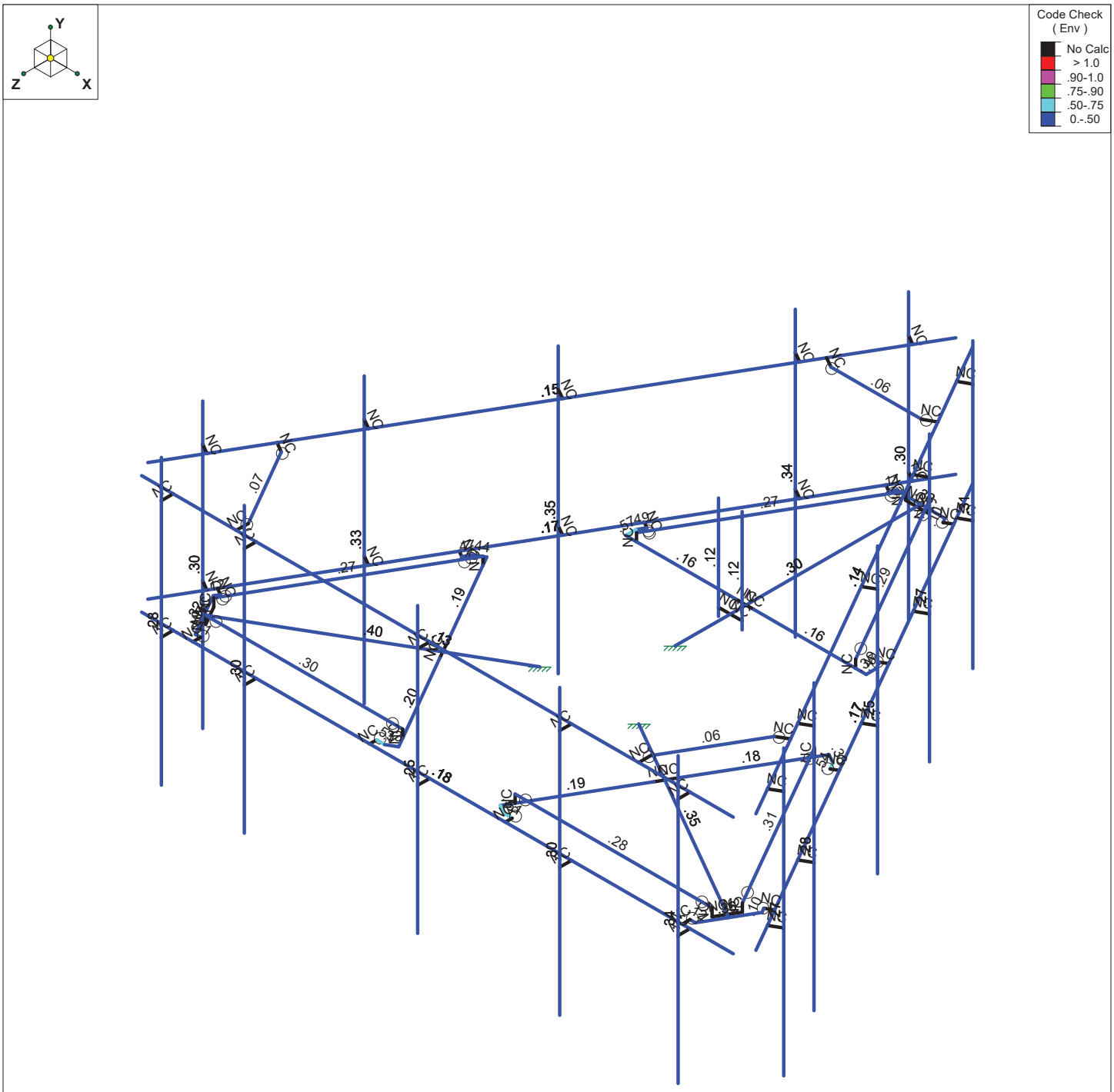


DETAIL K

"B" PLATE DETAIL

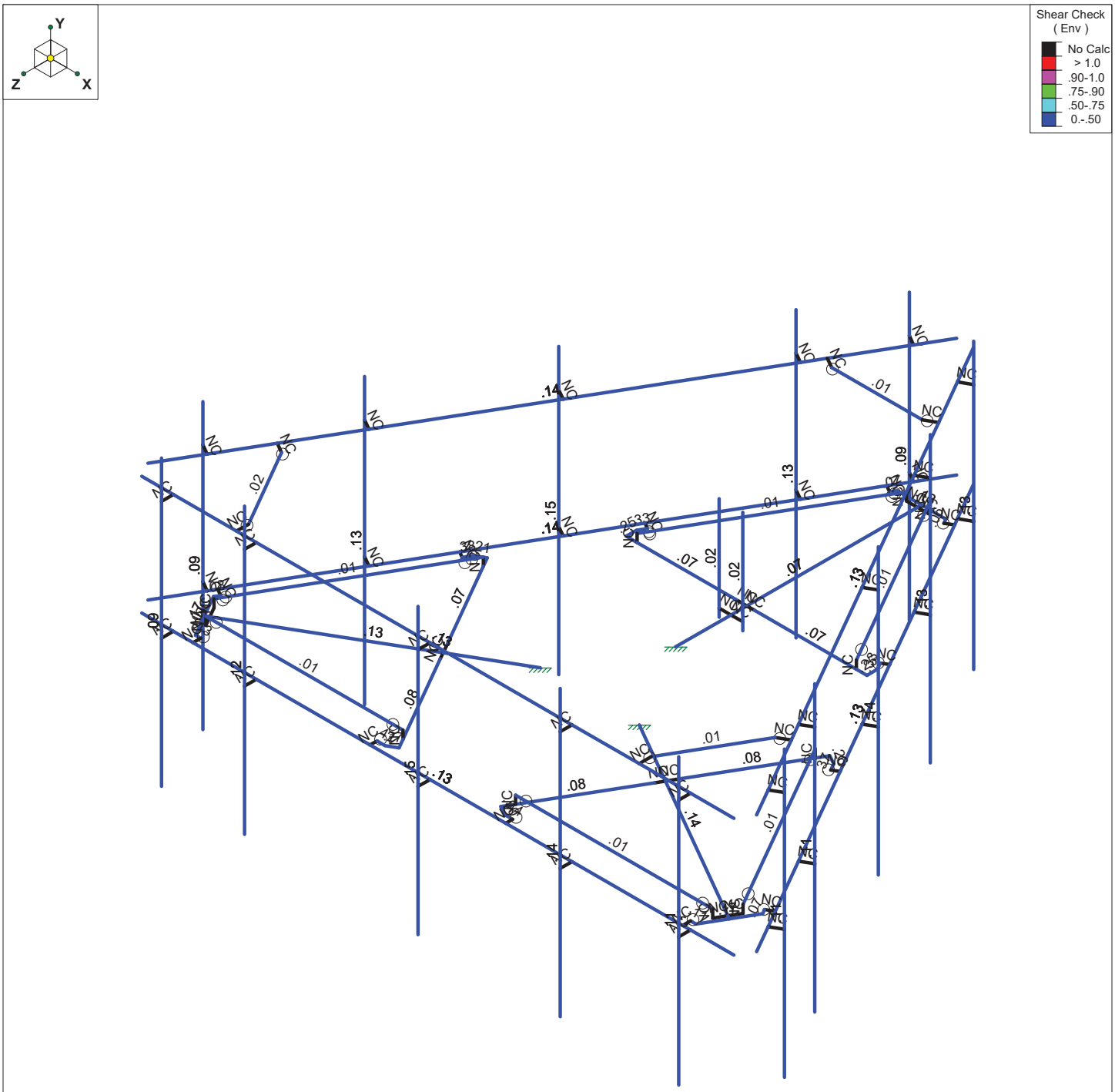


		SK - 1
		Sept 8, 2021 at 10:59 PM
		MOD_Loaded_468619-VZW_MT_...



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

		SK - 2
		Sept 8, 2021 at 10:59 PM
		MOD_Loaded_468619-VZW_MT_...



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

		SK - 3
		Sept 8, 2021 at 10:59 PM
		MOD_Loaded_468619-VZW_MT_...

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut..	Area(M...	Surface...
1	Antenna D	None					114			
2	Antenna Di	None					114			
3	Antenna Wo (0 Deg)	None					114			
4	Antenna Wo (30 Deg)	None					114			
5	Antenna Wo (60 Deg)	None					114			
6	Antenna Wo (90 Deg)	None					114			
7	Antenna Wo (120 Deg)	None					114			
8	Antenna Wo (150 Deg)	None					114			
9	Antenna Wo (180 Deg)	None					114			
10	Antenna Wo (210 Deg)	None					114			
11	Antenna Wo (240 Deg)	None					114			
12	Antenna Wo (270 Deg)	None					114			
13	Antenna Wo (300 Deg)	None					114			
14	Antenna Wo (330 Deg)	None					114			
15	Antenna Wi (0 Deg)	None					114			
16	Antenna Wi (30 Deg)	None					114			
17	Antenna Wi (60 Deg)	None					114			
18	Antenna Wi (90 Deg)	None					114			
19	Antenna Wi (120 Deg)	None					114			
20	Antenna Wi (150 Deg)	None					114			
21	Antenna Wi (180 Deg)	None					114			
22	Antenna Wi (210 Deg)	None					114			
23	Antenna Wi (240 Deg)	None					114			
24	Antenna Wi (270 Deg)	None					114			
25	Antenna Wi (300 Deg)	None					114			
26	Antenna Wi (330 Deg)	None					114			
27	Antenna Wm (0 Deg)	None					114			
28	Antenna Wm (30 Deg)	None					114			
29	Antenna Wm (60 Deg)	None					114			
30	Antenna Wm (90 Deg)	None					114			
31	Antenna Wm (120 Deg)	None					114			
32	Antenna Wm (150 Deg)	None					114			
33	Antenna Wm (180 Deg)	None					114			
34	Antenna Wm (210 Deg)	None					114			
35	Antenna Wm (240 Deg)	None					114			
36	Antenna Wm (270 Deg)	None					114			
37	Antenna Wm (300 Deg)	None					114			
38	Antenna Wm (330 Deg)	None					114			
39	Structure D	None		-1					3	
40	Structure Di	None						59	3	
41	Structure Wo (0 Deg)	None						118		
42	Structure Wo (30 Deg)	None						118		
43	Structure Wo (60 Deg)	None						118		
44	Structure Wo (90 Deg)	None						118		
45	Structure Wo (120 Deg)	None						118		
46	Structure Wo (150 Deg)	None						118		
47	Structure Wo (180 Deg)	None						118		
48	Structure Wo (210 Deg)	None						118		
49	Structure Wo (240 Deg)	None						118		
50	Structure Wo (270 Deg)	None						118		
51	Structure Wo (300 Deg)	None						118		
52	Structure Wo (330 Deg)	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	Distribut..	Area(M...	Surface...
57	Structure Wi (120 Deg)	None						118		
58	Structure Wi (150 Deg)	None						118		
59	Structure Wi (180 Deg)	None						118		
60	Structure Wi (210 Deg)	None						118		
61	Structure Wi (240 Deg)	None						118		
62	Structure Wi (270 Deg)	None						118		
63	Structure Wi (300 Deg)	None						118		
64	Structure Wi (330 Deg)	None						118		
65	Structure Wm (0 Deg)	None						118		
66	Structure Wm (30 Deg)	None						118		
67	Structure Wm (60 Deg)	None						118		
68	Structure Wm (90 Deg)	None						118		
69	Structure Wm (120 Deg)	None						118		
70	Structure Wm (150 Deg)	None						118		
71	Structure Wm (180 Deg)	None						118		
72	Structure Wm (210 Deg)	None						118		
73	Structure Wm (240 Deg)	None						118		
74	Structure Wm (270 Deg)	None						118		
75	Structure Wm (300 Deg)	None						118		
76	Structure Wm (330 Deg)	None						118		
77	Lm1	None					2			
78	Lm2	None					2			
79	Lv1	None					2			
80	Lv2	None					2			
81	BLC 39 Transient Area Loads	None						30		
82	BLC 40 Transient Area Loads	None						30		

Load Combinations

	Description	S...	PDelta	S...	B...	F...	BLC	F...	BLC	F...	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...	B...	F...
1	1.2D+1.0Wo (0 Deg)	Y...	Y		1	1.2	39	1.2	3	1	41	1														
2	1.2D+1.0Wo (30 Deg)	Y...	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0Wo (60 Deg)	Y...	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0Wo (90 Deg)	Y...	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0Wo (120 Deg)	Y...	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (150 Deg)	Y...	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (180 Deg)	Y...	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (210 Deg)	Y...	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (240 Deg)	Y...	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (270 Deg)	Y...	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (300 Deg)	Y...	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (330 Deg)	Y...	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1.0Wi (0 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0Wi (30 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0Wi (60 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0Wi (90 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1.0Wi (120 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0Wi (150 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi (180 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										
25	1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	27	1	65	1												
26	1.2D + 1.5Lm1 + 1.0Wm (30 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	28	1	66	1												

Load Combinations (Continued)

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

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	N24	0	0	-2.708333	0	
8	N27	0	0	-6.395833	0	
9	CP	0	0	0	0	
10	N29	2.315104	0	-2.708333	0	
11	N30	-2.315104	0	-2.708333	0	
12	N101	2.541667	0	-2.708333	0	
13	N102	-0.166667	0	-2.708333	0	
14	N103A	0.166667	0	-2.708333	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N104A	-2.541667	0	-2.927083	0	
16	N105	2.541667	0	-2.927083	0	
17	N131	2.458333	0	-3.071421	0	
18	N135	0.571615	0	-6.298857	0	
19	N144	-2.458333	0	-3.071421	0	
20	N148	-0.571615	0	-6.298857	0	
21	N86A	2.584629	0	-3.144338	0	
22	N86B	-2.584629	0	-3.144338	0	
23	N86C	-0.515625	0	-6.395833	0	
24	N87A	0.515625	0	-6.395833	0	
25	N86D	0.715429	0	-6.381888	0	
26	N86E	-0.715429	0	-6.381888	0	
27	N88A	0	0	-6.3125	0	
28	N87C	0.234238	0.166667	-6.3125	0	
29	N86G	0.234238	0	-6.3125	0	
30	N87B	-0.234238	0.166667	-6.3125	0	
31	N88C	-0.234238	0	-6.3125	0	
32	N87D	-1.046447	0	0.604167	0	
33	N88B	-1.074652	0	3.555315	0	
34	N89	-3.503038	0.166667	-0.650772	0	
35	N90	-1.187933	0.166667	3.359106	0	
36	N91	-2.345485	0	1.354167	0	
37	N92	-5.538954	0	3.197917	0	
38	N93	-3.503038	0	-0.650772	0	
39	N94	-1.187933	0	3.359106	0	
40	N95	-3.616319	0	-0.846981	0	
41	N96	-2.262152	0	1.498504	0	
42	N97	-2.428819	0	1.209829	0	
43	N98	-1.264095	0	3.66469	0	
44	N99	-3.805762	0	-0.737606	0	
45	N100	-3.889095	0	-0.593269	0	
46	N101A	-5.740777	0	2.654396	0	
47	N102A	-1.430762	0	3.66469	0	
48	N103	-5.169162	0	3.644461	0	
49	N104	-4.015391	0	-0.666185	0	
50	N105A	-1.430762	0	3.810523	0	
51	N106	-5.281142	0	3.644461	0	
52	N107	-5.796767	0	2.751372	0	
53	N108	-5.884591	0	2.571364	0	
54	N109	-5.169162	0	3.810523	0	
55	N110	-5.466785	0	3.15625	0	
56	N111	-5.583904	0.166667	2.953394	0	
57	N112	-5.583904	0	2.953394	0	
58	N113	-5.349667	0.166667	3.359106	0	
59	N114	-5.349667	0	3.359106	0	
60	N115	1.046447	0	0.604167	0	
61	N116	3.616319	0	-0.846981	0	
62	N117	1.187933	0.166667	3.359106	0	
63	N118	3.503038	0.166667	-0.650772	0	
64	N119	2.345485	0	1.354167	0	
65	N120	5.538954	0	3.197917	0	
66	N121	1.187933	0	3.359106	0	
67	N122	3.503038	0	-0.650772	0	
68	N123	1.074652	0	3.555315	0	
69	N124	2.428819	0	1.209829	0	
70	N125	2.262152	0	1.498504	0	
71	N126	3.805762	0	-0.737606	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N127	1.264095	0	3.66469	0	
73	N128	1.430762	0	3.66469	0	
74	N129	5.169162	0	3.644461	0	
75	N130	3.889095	0	-0.593269	0	
76	N131A	5.740777	0	2.654396	0	
77	N132	1.430762	0	3.810523	0	
78	N133	4.015391	0	-0.666186	0	
79	N134	5.796767	0	2.751372	0	
80	N135A	5.281142	0	3.644461	0	
81	N136	5.169162	0	3.810523	0	
82	N137	5.884591	0	2.571364	0	
83	N138	5.466785	0	3.15625	0	
84	N139	5.349667	0.166667	3.359106	0	
85	N140	5.349667	0	3.359106	0	
86	N141	5.583904	0.166667	2.953394	0	
87	N142	5.583904	0	2.953394	0	
88	N104B	0.17501	0	-7.31792	0	
89	N105B	6.42501	0	3.507397	0	
90	N124A	-6.42501	0	3.507397	0	
91	N125A	-0.17501	0	-7.31792	0	
92	N92A	5.333333	0	3.810523	0	
93	N93A	2.833333	0	3.810523	0	
94	N94A	-0.166667	0	3.810523	0	
95	N95A	-3.833333	0	3.810523	0	
96	N96A	-5.583333	0	3.810523	0	
97	N97A	5.333333	0	4.060523	0	
98	N98A	2.833333	0	4.060523	0	
99	N99A	-0.166667	0	4.060523	0	
100	N100A	-3.833333	0	4.060523	0	
101	N101B	-5.583333	0	4.060523	0	
102	N102B	5.333333	3.291667	4.060523	0	
103	N103B	2.833333	3.291667	4.060523	0	
104	N104C	-0.166667	3.291667	4.060523	0	
105	N105C	-3.833333	3.291667	4.060523	0	
106	N106A	-5.583333	3.291667	4.060523	0	
107	N107A	5.333333	-2.708333	4.060523	0	
108	N108A	2.833333	-2.708333	4.060523	0	
109	N109A	-0.166667	-2.708333	4.060523	0	
110	N110A	-3.833333	-2.708333	4.060523	0	
111	N111A	-5.583333	-2.708333	4.060523	0	
112	N113A	0.84985	0	-6.649064	0	
113	N114A	2.09985	0	-4.484	0	
114	N115A	3.59985	0	-1.885924	0	
115	N116A	5.433183	0	1.289502	0	
116	N117A	6.308183	0	2.805047	0	
117	N118A	0.84985	3.291667	-6.649064	0	
118	N119A	2.09985	3.291667	-4.484	0	
119	N120A	3.59985	3.291667	-1.885924	0	
120	N121A	5.433183	3.291667	1.289502	0	
121	N122A	6.308183	3.291667	2.805047	0	
122	N123A	0.84985	-2.708333	-6.649064	0	
123	N124B	2.09985	-2.708333	-4.484	0	
124	N125B	3.59985	-2.708333	-1.885924	0	
125	N126A	5.433183	-2.708333	1.289502	0	
126	N127A	6.308183	-2.708333	2.805047	0	
127	N129A	-6.183183	0	2.588541	0	
128	N130A	-4.933183	0	0.423477	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N131B	-3.433183	0	-2.174599	0	
130	N132A	-1.59985	0	-5.350026	0	
131	N133A	-0.72485	0	-6.86557	0	
132	N134A	-6.183183	3.291667	2.588541	0	
133	N135B	-4.933183	3.291667	0.423477	0	
134	N136A	-3.433183	3.291667	-2.174599	0	
135	N137A	-1.59985	3.291667	-5.350026	0	
136	N138A	-0.72485	3.291667	-6.86557	0	
137	N139A	-6.183183	-2.708333	2.588541	0	
138	N140A	-4.933183	-2.708333	0.423477	0	
139	N141A	-3.433183	-2.708333	-2.174599	0	
140	N142A	-1.59985	-2.708333	-5.350026	0	
141	N143	-0.72485	-2.708333	-6.86557	0	
142	N143A	0.633343	0	-6.524064	0	
143	N144A	1.883343	0	-4.359	0	
144	N145	3.383343	0	-1.760924	0	
145	N146	5.216677	0	1.414502	0	
146	N147	6.091677	0	2.930047	0	
147	N154	-5.966677	0	2.713541	0	
148	N155	-4.716677	0	0.548477	0	
149	N156	-3.216677	0	-2.049599	0	
150	N157	-1.383343	0	-5.225026	0	
151	N158	-0.508343	0	-6.74057	0	
152	N152	0	0	-2.375	0	
153	N153	.25	0	-2.375	0	
154	N154A	-.25	0	-2.375	0	
155	N155A	.25	2	-2.375	0	
156	N156A	-.25	2	-2.375	0	
157	N157A	.25	-0.166667	-2.375	0	
158	N158A	-.25	-0.166667	-2.375	0	
159	N159	6.25	2.5	3.810523	0	
160	N160	-6.25	2.5	3.810523	0	
161	N161	0.17501	2.5	-7.31792	0	
162	N162	6.42501	2.5	3.507397	0	
163	N163	-6.42501	2.5	3.507397	0	
164	N164	-0.17501	2.5	-7.31792	0	
165	N165	5.333333	2.5	3.810523	0	
166	N166	2.833333	2.5	3.810523	0	
167	N167	-0.166667	2.5	3.810523	0	
168	N168	-3.833333	2.5	3.810523	0	
169	N169	-5.583333	2.5	3.810523	0	
170	N170	5.333333	2.5	4.060523	0	
171	N171	2.833333	2.5	4.060523	0	
172	N172	-0.166667	2.5	4.060523	0	
173	N173	-3.833333	2.5	4.060523	0	
174	N174	-5.583333	2.5	4.060523	0	
175	N175	0.84985	2.5	-6.649064	0	
176	N176	2.09985	2.5	-4.484	0	
177	N177	3.59985	2.5	-1.885924	0	
178	N178	5.433183	2.5	1.289502	0	
179	N179	6.308183	2.5	2.805047	0	
180	N180	-6.183183	2.5	2.588541	0	
181	N181	-4.933183	2.5	0.423477	0	
182	N182	-3.433183	2.5	-2.174599	0	
183	N183	-1.59985	2.5	-5.350026	0	
184	N184	-0.72485	2.5	-6.86557	0	
185	N185	0.633343	2.5	-6.524064	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N186	1.883343	2.5	-4.359	0	
187	N187	3.383343	2.5	-1.760924	0	
188	N188	5.216677	2.5	1.414502	0	
189	N189	6.091677	2.5	2.930047	0	
190	N190	-5.966677	2.5	2.713541	0	
191	N191	-4.716677	2.5	0.548477	0	
192	N192	-3.216677	2.5	-2.049599	0	
193	N193	-1.383343	2.5	-5.225026	0	
194	N194	-0.508343	2.5	-6.74057	0	
195	N195	-4.25	2.5	3.810523	0	
196	N196	4.25	2.5	3.810523	0	
197	N197	-4.25	2.5	3.560523	0	
198	N198	4.25	2.5	3.560523	0	
199	N200	5.42501	2.5	1.775346	0	
200	N201	1.17501	2.5	-5.58587	0	
201	N202	5.208504	2.5	1.900346	0	
202	N203	0.958504	2.5	-5.46087	0	
203	N205	-1.17501	2.5	-5.58587	0	
204	N206	-5.42501	2.5	1.775346	0	
205	N207	-0.958504	2.5	-5.46087	0	
206	N208	-5.208504	2.5	1.900346	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [i...	Izz [i...	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossm...	HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	OVP Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	MOD Support Rail	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	MOD Corner Angle	L3X3X4	Column	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
11	MOD Dual Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/...	Density[k/ft^3]	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	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
4	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
5	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
6	M35A	N7	N30			RIGID	None	None	RIGID	Typical
7	M36A	N6	N29			RIGID	None	None	RIGID	Typical
8	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
10	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
11	M58	N102	N24			RIGID	None	None	RIGID	Typical
12	M59	N24	N103A			RIGID	None	None	RIGID	Typical
13	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
15	M79	N131	N86A			RIGID	None	None	RIGID	Typical
16	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
17	M83	N135	N86D			RIGID	None	None	RIGID	Typical
18	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
20	M88	N144	N86B			RIGID	None	None	RIGID	Typical
21	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
22	M92	N148	N86E			RIGID	None	None	RIGID	Typical
23	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
24	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
25	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
26	M52A	N87D	N92			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
27	M53	N95	N97			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
28	M54	N96	N88B			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
29	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr.36	Typical
30	M56	N90	N94			RIGID	None	None	RIGID	Typical
31	M57	N89	N93			RIGID	None	None	RIGID	Typical
32	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
34	M60	N113	N114			RIGID	None	None	RIGID	Typical
35	M61	N96	N91			RIGID	None	None	RIGID	Typical
36	M62	N91	N97			RIGID	None	None	RIGID	Typical
37	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
38	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
39	M65	N100	N104			RIGID	None	None	RIGID	Typical
40	M66	N107	N101A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
41	M67	N101A	N108			RIGID	None	None	RIGID	Typical
42	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
44	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
45	M71	N106	N103			Corner Plate	Beam	BAR	A36 Gr.36	Typical
46	M72	N103	N109			RIGID	None	None	RIGID	Typical
47	M73	N114	N110			RIGID	None	None	RIGID	Typical
48	M74	N110	N112			RIGID	None	None	RIGID	Typical
49	M75	N111	N112			RIGID	None	None	RIGID	Typical
50	M76A	N115	N120			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
51	M77A	N123	N125			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
52	M78	N124	N116			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
53	M79A	N134	N135A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
54	M80A	N118	N122			RIGID	None	None	RIGID	Typical
55	M81	N117	N121			RIGID	None	None	RIGID	Typical
56	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
57	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
58	M84A	N141	N142			RIGID	None	None	RIGID	Typical
59	M85A	N124	N119			RIGID	None	None	RIGID	Typical
60	M86	N119	N125			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
61	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
62	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
63	M89	N128	N132			RIGID	None	None	RIGID	Typical
64	M90	N135A	N129			Corner Plate	Beam	BAR	A36 Gr.36	Typical
65	M91A	N129	N136			RIGID	None	None	RIGID	Typical
66	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
68	M94	N130	N133			RIGID	None	None	RIGID	Typical
69	M95	N134	N131A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
70	M96	N131A	N137			RIGID	None	None	RIGID	Typical
71	M97	N142	N138			RIGID	None	None	RIGID	Typical
72	M98	N138	N140			RIGID	None	None	RIGID	Typical
73	M99	N139	N140			RIGID	None	None	RIGID	Typical
74	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M91B	N124A	N125A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M76B	N92A	N97A			RIGID	None	None	RIGID	Typical
77	M77B	N93A	N98A			RIGID	None	None	RIGID	Typical
78	M78A	N94A	N99A			RIGID	None	None	RIGID	Typical
79	M79B	N95A	N100A			RIGID	None	None	RIGID	Typical
80	M80B	N96A	N101B			RIGID	None	None	RIGID	Typical
81	MP1A	N102B	N107A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	MP2A	N103B	N108A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
83	MP3A	N104C	N109A			MOD Dual Pipe	Column	Pipe	A53 Gr.B	Typical
84	MP4A	N105C	N110A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
85	MP5A	N106A	N111A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	MP1B	N118A	N123A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
87	MP2B	N119A	N124B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	MP3B	N120A	N125B			MOD Dual Pipe	Column	Pipe	A53 Gr.B	Typical
89	MP4B	N121A	N126A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	MP5B	N122A	N127A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	MP1C	N134A	N139A			MOD Dual Pipe	Column	Pipe	A53 Gr.B	Typical
92	MP2C	N135B	N140A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
93	MP3C	N136A	N141A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	MP4C	N137A	N142A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
95	MP5C	N138A	N143			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
96	M96A	N143A	N113A			RIGID	None	None	RIGID	Typical
97	M97A	N144A	N114A			RIGID	None	None	RIGID	Typical
98	M98A	N145	N115A			RIGID	None	None	RIGID	Typical
99	M99A	N146	N116A			RIGID	None	None	RIGID	Typical
100	M100	N147	N117A			RIGID	None	None	RIGID	Typical
101	M101	N154	N129A			RIGID	None	None	RIGID	Typical
102	M102	N155	N130A			RIGID	None	None	RIGID	Typical
103	M103	N156	N131B			RIGID	None	None	RIGID	Typical
104	M104	N157	N132A			RIGID	None	None	RIGID	Typical
105	M105	N158	N133A			RIGID	None	None	RIGID	Typical
106	M106	N152	N154A			RIGID	None	None	RIGID	Typical
107	M107	N152	N153			RIGID	None	None	RIGID	Typical
108	M108	N156A	N158A			OVP Pipe	Column	Pipe	A53 Gr.B	Typical
109	M109	N155A	N157A			OVP Pipe	Column	Pipe	A53 Gr.B	Typical
110	M110	N159	N160			MOD Support ...	Column	Pipe	A53 Gr.B	Typical
111	M111	N161	N162			MOD Support ...	Column	Pipe	A53 Gr.B	Typical
112	M112	N163	N164			MOD Support ...	Column	Pipe	A53 Gr.B	Typical
113	M113	N165	N170			RIGID	None	None	RIGID	Typical
114	M114	N166	N171			RIGID	None	None	RIGID	Typical
115	M115	N167	N172			RIGID	None	None	RIGID	Typical
116	M116	N168	N173			RIGID	None	None	RIGID	Typical
117	M117	N169	N174			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
118	M118	N185	N175			RIGID	None	None	RIGID	Typical
119	M119	N186	N176			RIGID	None	None	RIGID	Typical
120	M120	N187	N177			RIGID	None	None	RIGID	Typical
121	M121	N188	N178			RIGID	None	None	RIGID	Typical
122	M122	N189	N179			RIGID	None	None	RIGID	Typical
123	M123	N190	N180			RIGID	None	None	RIGID	Typical
124	M124	N191	N181			RIGID	None	None	RIGID	Typical
125	M125	N192	N182			RIGID	None	None	RIGID	Typical
126	M126	N193	N183			RIGID	None	None	RIGID	Typical
127	M127	N194	N184			RIGID	None	None	RIGID	Typical
128	M128	N195	N197			RIGID	None	None	RIGID	Typical
129	M129	N196	N198			RIGID	None	None	RIGID	Typical
130	M130	N200	N202			RIGID	None	None	RIGID	Typical
131	M131	N201	N203			RIGID	None	None	RIGID	Typical
132	M132	N205	N207			RIGID	None	None	RIGID	Typical
133	M133	N206	N208			RIGID	None	None	RIGID	Typical
134	M134	N197	N208		90	MOD Corner A...	Column	Single Angle	A36 Gr.36	Typical
135	M135	N198	N202		180	MOD Corner A...	Column	Single Angle	A36 Gr.36	Typical
136	M136	N203	N207		180	MOD Corner A...	Column	Single Angle	A36 Gr.36	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp t...	Lcomp b...	L-tor...	Kyy	Kzz	Cb	Function
1	M1	Face Horizontal	12.5			Lbyy						Lateral
2	M4	Standoff Horizontal	5.188			Lbyy						Lateral
3	M10	Platform Crossmember	2.375			Lbyy						Lateral
4	M43	Platform Crossmember	2.375			Lbyy						Lateral
5	M46	Corner Plate	1.031			Lbyy						Lateral
6	M51B	Grating Support	4.162			Lbyy						Lateral
7	M52B	Grating Support	4.162			Lbyy						Lateral
8	M76	Cross Arm Plate	.219									Lateral
9	M77	Cross Arm Plate	.167									Lateral
10	M80	Corner Plate	.112			Lbyy						Lateral
11	M84	Cross Arm Plate	.219									Lateral
12	M85	Cross Arm Plate	.167									Lateral
13	M91	Corner Plate	.112			Lbyy						Lateral
14	M52A	Standoff Horizontal	5.188			Lbyy						Lateral
15	M53	Platform Crossmember	2.375			Lbyy						Lateral
16	M54	Platform Crossmember	2.375			Lbyy						Lateral
17	M55	Corner Plate	1.031			Lbyy						Lateral
18	M58A	Grating Support	4.162			Lbyy						Lateral
19	M59A	Grating Support	4.162			Lbyy						Lateral
20	M63	Cross Arm Plate	.219									Lateral
21	M64	Cross Arm Plate	.167									Lateral
22	M66	Corner Plate	.112			Lbyy						Lateral
23	M68	Cross Arm Plate	.219									Lateral
24	M69	Cross Arm Plate	.167									Lateral
25	M71	Corner Plate	.112			Lbyy						Lateral
26	M76A	Standoff Horizontal	5.188			Lbyy						Lateral
27	M77A	Platform Crossmember	2.375			Lbyy						Lateral
28	M78	Platform Crossmember	2.375			Lbyy						Lateral
29	M79A	Corner Plate	1.031			Lbyy						Lateral
30	M82	Grating Support	4.162			Lbyy						Lateral
31	M83A	Grating Support	4.162			Lbyy						Lateral
32	M87	Cross Arm Plate	.219									Lateral
33	M88A	Cross Arm Plate	.167									Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp t...	Lcomp b...	L-tor...	Kyy	Kzz	Cb	Function
34	M90	Corner Plate	.112			Lbyy						Lateral
35	M92A	Cross Arm Plate	.219									Lateral
36	M93	Cross Arm Plate	.167									Lateral
37	M95	Corner Plate	.112			Lbyy						Lateral
38	M82A	Face Horizontal	12.5			Lbyy						Lateral
39	M91B	Face Horizontal	12.5			Lbyy						Lateral
40	MP1A	Mount Pipe	6									Lateral
41	MP2A	Mount Pipe	6									Lateral
42	MP3A	MOD Dual Pipe	6									Lateral
43	MP4A	Mount Pipe	6									Lateral
44	MP5A	Mount Pipe	6									Lateral
45	MP1B	Mount Pipe	6									Lateral
46	MP2B	Mount Pipe	6									Lateral
47	MP3B	MOD Dual Pipe	6									Lateral
48	MP4B	Mount Pipe	6									Lateral
49	MP5B	Mount Pipe	6									Lateral
50	MP1C	MOD Dual Pipe	6									Lateral
51	MP2C	Mount Pipe	6									Lateral
52	MP3C	Mount Pipe	6									Lateral
53	MP4C	Mount Pipe	6									Lateral
54	MP5C	Mount Pipe	6									Lateral
55	M108	OVP Pipe	2.167									Lateral
56	M109	OVP Pipe	2.167									Lateral
57	M110	MOD Support Rail	12.5			Lbyy						Lateral
58	M111	MOD Support Rail	12.5			Lbyy						Lateral
59	M112	MOD Support Rail	12.5			Lbyy						Lateral
60	M134	MOD Corner Angle	1.917									Lateral
61	M135	MOD Corner Angle	1.917									Lateral
62	M136	MOD Corner Angle	1.917									Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-13.5	1.5
2	MP1A	My	-.006	1.5
3	MP1A	Mz	.002	1.5
4	MP1A	Y	-13.5	4.5
5	MP1A	My	-.006	4.5
6	MP1A	Mz	.002	4.5
7	MP1B	Y	-13.5	1.5
8	MP1B	My	-.002	1.5
9	MP1B	Mz	-.006	1.5
10	MP1B	Y	-13.5	4.5
11	MP1B	My	-.002	4.5
12	MP1B	Mz	-.006	4.5
13	MP3C	Y	-13.5	1.5
14	MP3C	My	.007	1.5
15	MP3C	Mz	.001	1.5
16	MP3C	Y	-13.5	4.5
17	MP3C	My	.007	4.5
18	MP3C	Mz	.001	4.5
19	MP5A	Y	-13.5	1.5
20	MP5A	My	-.006	1.5
21	MP5A	Mz	.002	1.5
22	MP5A	Y	-13.5	4.5
23	MP5A	My	-.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP5A	Mz	.002	4.5
25	MP5B	Y	-13.5	1.5
26	MP5B	My	-.002	1.5
27	MP5B	Mz	-.006	1.5
28	MP5B	Y	-13.5	4.5
29	MP5B	My	-.002	4.5
30	MP5B	Mz	-.006	4.5
31	MP5C	Y	-13.5	1.5
32	MP5C	My	.007	1.5
33	MP5C	Mz	.001	1.5
34	MP5C	Y	-13.5	4.5
35	MP5C	My	.007	4.5
36	MP5C	Mz	.001	4.5
37	M108	Y	-32	1
38	M108	My	0	1
39	M108	Mz	0	1
40	M109	Y	-32	1
41	M109	My	0	1
42	M109	Mz	0	1
43	MP1C	Y	-23	1.5
44	MP1C	My	.014	1.5
45	MP1C	Mz	-.013	1.5
46	MP1C	Y	-23	4.5
47	MP1C	My	.014	4.5
48	MP1C	Mz	-.013	4.5
49	MP1C	Y	-23	1.5
50	MP1C	My	.009	1.5
51	MP1C	Mz	.017	1.5
52	MP1C	Y	-23	4.5
53	MP1C	My	.009	4.5
54	MP1C	Mz	.017	4.5
55	MP3A	Y	-23	1.5
56	MP3A	My	-.011	1.5
57	MP3A	Mz	.015	1.5
58	MP3A	Y	-23	4.5
59	MP3A	My	-.011	4.5
60	MP3A	Mz	.015	4.5
61	MP3B	Y	-23	1.5
62	MP3B	My	-.018	1.5
63	MP3B	Mz	-.006	1.5
64	MP3B	Y	-23	4.5
65	MP3B	My	-.018	4.5
66	MP3B	Mz	-.006	4.5
67	MP3A	Y	-23	1.5
68	MP3A	My	-.011	1.5
69	MP3A	Mz	-.015	1.5
70	MP3A	Y	-23	4.5
71	MP3A	My	-.011	4.5
72	MP3A	Mz	-.015	4.5
73	MP3B	Y	-23	1.5
74	MP3B	My	.01	1.5
75	MP3B	Mz	-.016	1.5
76	MP3B	Y	-23	4.5
77	MP3B	My	.01	4.5
78	MP3B	Mz	-.016	4.5
79	MP4A	Y	-43.55	2
80	MP4A	My	-.022	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP4A	Mz	0	2
82	MP4A	Y	-43.55	4
83	MP4A	My	-.022	4
84	MP4A	Mz	0	4
85	MP4B	Y	-43.55	2
86	MP4B	My	0	2
87	MP4B	Mz	-.022	2
88	MP4B	Y	-43.55	4
89	MP4B	My	0	4
90	MP4B	Mz	-.022	4
91	MP4C	Y	-43.55	2
92	MP4C	My	.022	2
93	MP4C	Mz	0	2
94	MP4C	Y	-43.55	4
95	MP4C	My	.022	4
96	MP4C	Mz	0	4
97	MP1C	Y	-74.7	1
98	MP1C	My	-.037	1
99	MP1C	Mz	0	1
100	MP2A	Y	-74.7	1
101	MP2A	My	.037	1
102	MP2A	Mz	0	1
103	MP2B	Y	-74.7	1
104	MP2B	My	0	1
105	MP2B	Mz	.037	1
106	MP2C	Y	-62.8	1
107	MP2C	My	-.031	1
108	MP2C	Mz	0	1
109	MP3A	Y	-62.8	1
110	MP3A	My	.031	1
111	MP3A	Mz	0	1
112	MP3B	Y	-62.8	1
113	MP3B	My	0	1
114	MP3B	Mz	.031	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-86.475	1.5
2	MP1A	My	-.041	1.5
3	MP1A	Mz	.015	1.5
4	MP1A	Y	-86.475	4.5
5	MP1A	My	-.041	4.5
6	MP1A	Mz	.015	4.5
7	MP1B	Y	-86.475	1.5
8	MP1B	My	-.015	1.5
9	MP1B	Mz	-.041	1.5
10	MP1B	Y	-86.475	4.5
11	MP1B	My	-.015	4.5
12	MP1B	Mz	-.041	4.5
13	MP3C	Y	-86.475	1.5
14	MP3C	My	.043	1.5
15	MP3C	Mz	.008	1.5
16	MP3C	Y	-86.475	4.5
17	MP3C	My	.043	4.5
18	MP3C	Mz	.008	4.5
19	MP5A	Y	-86.475	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP5A	My	-.041	1.5
21	MP5A	Mz	.015	1.5
22	MP5A	Y	-86.475	4.5
23	MP5A	My	-.041	4.5
24	MP5A	Mz	.015	4.5
25	MP5B	Y	-86.475	1.5
26	MP5B	My	-.015	1.5
27	MP5B	Mz	-.041	1.5
28	MP5B	Y	-86.475	4.5
29	MP5B	My	-.015	4.5
30	MP5B	Mz	-.041	4.5
31	MP5C	Y	-86.475	1.5
32	MP5C	My	.043	1.5
33	MP5C	Mz	.008	1.5
34	MP5C	Y	-86.475	4.5
35	MP5C	My	.043	4.5
36	MP5C	Mz	.008	4.5
37	M108	Y	-85.701	1
38	M108	My	0	1
39	M108	Mz	0	1
40	M109	Y	-85.701	1
41	M109	My	0	1
42	M109	Mz	0	1
43	MP1C	Y	-80.413	1.5
44	MP1C	My	.049	1.5
45	MP1C	Mz	-.046	1.5
46	MP1C	Y	-80.413	4.5
47	MP1C	My	.049	4.5
48	MP1C	Mz	-.046	4.5
49	MP1C	Y	-80.413	1.5
50	MP1C	My	.03	1.5
51	MP1C	Mz	.06	1.5
52	MP1C	Y	-80.413	4.5
53	MP1C	My	.03	4.5
54	MP1C	Mz	.06	4.5
55	MP3A	Y	-80.413	1.5
56	MP3A	My	-.04	1.5
57	MP3A	Mz	.054	1.5
58	MP3A	Y	-80.413	4.5
59	MP3A	My	-.04	4.5
60	MP3A	Mz	.054	4.5
61	MP3B	Y	-80.413	1.5
62	MP3B	My	-.064	1.5
63	MP3B	Mz	-.019	1.5
64	MP3B	Y	-80.413	4.5
65	MP3B	My	-.064	4.5
66	MP3B	Mz	-.019	4.5
67	MP3A	Y	-80.413	1.5
68	MP3A	My	-.04	1.5
69	MP3A	Mz	-.054	1.5
70	MP3A	Y	-80.413	4.5
71	MP3A	My	-.04	4.5
72	MP3A	Mz	-.054	4.5
73	MP3B	Y	-80.413	1.5
74	MP3B	My	.037	1.5
75	MP3B	Mz	-.056	1.5
76	MP3B	Y	-80.413	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP3B	My	.037	4.5
78	MP3B	Mz	-.056	4.5
79	MP4A	Y	-34.702	2
80	MP4A	My	-.017	2
81	MP4A	Mz	0	2
82	MP4A	Y	-34.702	4
83	MP4A	My	-.017	4
84	MP4A	Mz	0	4
85	MP4B	Y	-34.702	2
86	MP4B	My	0	2
87	MP4B	Mz	-.017	2
88	MP4B	Y	-34.702	4
89	MP4B	My	0	4
90	MP4B	Mz	-.017	4
91	MP4C	Y	-34.702	2
92	MP4C	My	.017	2
93	MP4C	Mz	0	2
94	MP4C	Y	-34.702	4
95	MP4C	My	.017	4
96	MP4C	Mz	0	4
97	MP1C	Y	-43.735	1
98	MP1C	My	-.022	1
99	MP1C	Mz	0	1
100	MP2A	Y	-43.735	1
101	MP2A	My	.022	1
102	MP2A	Mz	0	1
103	MP2B	Y	-43.735	1
104	MP2B	My	0	1
105	MP2B	Mz	.022	1
106	MP2C	Y	-35.178	1
107	MP2C	My	-.018	1
108	MP2C	Mz	0	1
109	MP3A	Y	-35.178	1
110	MP3A	My	.018	1
111	MP3A	Mz	0	1
112	MP3B	Y	-35.178	1
113	MP3B	My	0	1
114	MP3B	Mz	.018	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-242.223	1.5
3	MP1A	Mx	-.041	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	-242.223	4.5
6	MP1A	Mx	-.041	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	-222.156	1.5
9	MP1B	Mx	.104	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	-222.156	4.5
12	MP1B	Mx	.104	4.5
13	MP3C	X	0	1.5
14	MP3C	Z	-244.498	1.5
15	MP3C	Mx	-.021	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3C	X	0	4.5
17	MP3C	Z	-244.498	4.5
18	MP3C	Mx	-.021	4.5
19	MP5A	X	0	1.5
20	MP5A	Z	-242.223	1.5
21	MP5A	Mx	-.041	1.5
22	MP5A	X	0	4.5
23	MP5A	Z	-242.223	4.5
24	MP5A	Mx	-.041	4.5
25	MP5B	X	0	1.5
26	MP5B	Z	-222.156	1.5
27	MP5B	Mx	.104	1.5
28	MP5B	X	0	4.5
29	MP5B	Z	-222.156	4.5
30	MP5B	Mx	.104	4.5
31	MP5C	X	0	1.5
32	MP5C	Z	-244.498	1.5
33	MP5C	Mx	-.021	1.5
34	MP5C	X	0	4.5
35	MP5C	Z	-244.498	4.5
36	MP5C	Mx	-.021	4.5
37	M108	X	0	1
38	M108	Z	-178.609	1
39	M108	Mx	0	1
40	M109	X	0	1
41	M109	Z	-178.609	1
42	M109	Mx	0	1
43	MP1C	X	0	1.5
44	MP1C	Z	-250.236	1.5
45	MP1C	Mx	.143	1.5
46	MP1C	X	0	4.5
47	MP1C	Z	-250.236	4.5
48	MP1C	Mx	.143	4.5
49	MP1C	X	0	1.5
50	MP1C	Z	-250.236	1.5
51	MP1C	Mx	-.186	1.5
52	MP1C	X	0	4.5
53	MP1C	Z	-250.236	4.5
54	MP1C	Mx	-.186	4.5
55	MP3A	X	0	1.5
56	MP3A	Z	-252.186	1.5
57	MP3A	Mx	-.168	1.5
58	MP3A	X	0	4.5
59	MP3A	Z	-252.186	4.5
60	MP3A	Mx	-.168	4.5
61	MP3B	X	0	1.5
62	MP3B	Z	-195.059	1.5
63	MP3B	Mx	.047	1.5
64	MP3B	X	0	4.5
65	MP3B	Z	-195.059	4.5
66	MP3B	Mx	.047	4.5
67	MP3A	X	0	1.5
68	MP3A	Z	-252.186	1.5
69	MP3A	Mx	.168	1.5
70	MP3A	X	0	4.5
71	MP3A	Z	-252.186	4.5
72	MP3A	Mx	.168	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP3B	X	0	1.5
74	MP3B	Z	-195.059	1.5
75	MP3B	Mx	.136	1.5
76	MP3B	X	0	4.5
77	MP3B	Z	-195.059	4.5
78	MP3B	Mx	.136	4.5
79	MP4A	X	0	2
80	MP4A	Z	-120.089	2
81	MP4A	Mx	0	2
82	MP4A	X	0	4
83	MP4A	Z	-120.089	4
84	MP4A	Mx	0	4
85	MP4B	X	0	2
86	MP4B	Z	-47.015	2
87	MP4B	Mx	.024	2
88	MP4B	X	0	4
89	MP4B	Z	-47.015	4
90	MP4B	Mx	.024	4
91	MP4C	X	0	2
92	MP4C	Z	-120.089	2
93	MP4C	Mx	0	2
94	MP4C	X	0	4
95	MP4C	Z	-120.089	4
96	MP4C	Mx	0	4
97	MP1C	X	0	1
98	MP1C	Z	-95.56	1
99	MP1C	Mx	0	1
100	MP2A	X	0	1
101	MP2A	Z	-95.56	1
102	MP2A	Mx	0	1
103	MP2B	X	0	1
104	MP2B	Z	-63.877	1
105	MP2B	Mx	-.032	1
106	MP2C	X	0	1
107	MP2C	Z	-74.608	1
108	MP2C	Mx	0	1
109	MP3A	X	0	1
110	MP3A	Z	-74.608	1
111	MP3A	Mx	0	1
112	MP3B	X	0	1
113	MP3B	Z	-56.851	1
114	MP3B	Mx	-.028	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	114.958	1.5
2	MP1A	Z	-199.112	1.5
3	MP1A	Mx	-.088	1.5
4	MP1A	X	114.958	4.5
5	MP1A	Z	-199.112	4.5
6	MP1A	Mx	-.088	4.5
7	MP1B	X	117.232	1.5
8	MP1B	Z	-203.052	1.5
9	MP1B	Mx	.075	1.5
10	MP1B	X	117.232	4.5
11	MP1B	Z	-203.052	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	.075	4.5
13	MP3C	X	121.112	1.5
14	MP3C	Z	-209.772	1.5
15	MP3C	Mx	.041	1.5
16	MP3C	X	121.112	4.5
17	MP3C	Z	-209.772	4.5
18	MP3C	Mx	.041	4.5
19	MP5A	X	114.958	1.5
20	MP5A	Z	-199.112	1.5
21	MP5A	Mx	-.088	1.5
22	MP5A	X	114.958	4.5
23	MP5A	Z	-199.112	4.5
24	MP5A	Mx	-.088	4.5
25	MP5B	X	117.232	1.5
26	MP5B	Z	-203.052	1.5
27	MP5B	Mx	.075	1.5
28	MP5B	X	117.232	4.5
29	MP5B	Z	-203.052	4.5
30	MP5B	Mx	.075	4.5
31	MP5C	X	121.112	1.5
32	MP5C	Z	-209.772	1.5
33	MP5C	Mx	.041	1.5
34	MP5C	X	121.112	4.5
35	MP5C	Z	-209.772	4.5
36	MP5C	Mx	.041	4.5
37	M108	X	79.885	1
38	M108	Z	-138.365	1
39	M108	Mx	0	1
40	M109	X	79.885	1
41	M109	Z	-138.365	1
42	M109	Mx	0	1
43	MP1C	X	122.309	1.5
44	MP1C	Z	-211.846	1.5
45	MP1C	Mx	.195	1.5
46	MP1C	X	122.309	4.5
47	MP1C	Z	-211.846	4.5
48	MP1C	Mx	.195	4.5
49	MP1C	X	122.309	1.5
50	MP1C	Z	-211.846	1.5
51	MP1C	Mx	-.111	1.5
52	MP1C	X	122.309	4.5
53	MP1C	Z	-211.846	4.5
54	MP1C	Mx	-.111	4.5
55	MP3A	X	118.006	1.5
56	MP3A	Z	-204.393	1.5
57	MP3A	Mx	-.195	1.5
58	MP3A	X	118.006	4.5
59	MP3A	Z	-204.393	4.5
60	MP3A	Mx	-.195	4.5
61	MP3B	X	112.728	1.5
62	MP3B	Z	-195.25	1.5
63	MP3B	Mx	-.043	1.5
64	MP3B	X	112.728	4.5
65	MP3B	Z	-195.25	4.5
66	MP3B	Mx	-.043	4.5
67	MP3A	X	118.006	1.5
68	MP3A	Z	-204.393	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3A	Mx	.077	1.5
70	MP3A	X	118.006	4.5
71	MP3A	Z	-204.393	4.5
72	MP3A	Mx	.077	4.5
73	MP3B	X	112.728	1.5
74	MP3B	Z	-195.25	1.5
75	MP3B	Mx	.188	1.5
76	MP3B	X	112.728	4.5
77	MP3B	Z	-195.25	4.5
78	MP3B	Mx	.188	4.5
79	MP4A	X	50.91	2
80	MP4A	Z	-88.179	2
81	MP4A	Mx	-.025	2
82	MP4A	X	50.91	4
83	MP4A	Z	-88.179	4
84	MP4A	Mx	-.025	4
85	MP4B	X	32.642	2
86	MP4B	Z	-56.537	2
87	MP4B	Mx	.028	2
88	MP4B	X	32.642	4
89	MP4B	Z	-56.537	4
90	MP4B	Mx	.028	4
91	MP4C	X	50.91	2
92	MP4C	Z	-88.179	2
93	MP4C	Mx	.025	2
94	MP4C	X	50.91	4
95	MP4C	Z	-88.179	4
96	MP4C	Mx	.025	4
97	MP1C	X	43.82	1
98	MP1C	Z	-75.898	1
99	MP1C	Mx	-.022	1
100	MP2A	X	43.82	1
101	MP2A	Z	-75.898	1
102	MP2A	Mx	.022	1
103	MP2B	X	35.899	1
104	MP2B	Z	-62.179	1
105	MP2B	Mx	-.031	1
106	MP2C	X	35.084	1
107	MP2C	Z	-60.768	1
108	MP2C	Mx	-.018	1
109	MP3A	X	35.084	1
110	MP3A	Z	-60.768	1
111	MP3A	Mx	.018	1
112	MP3B	X	30.645	1
113	MP3B	Z	-53.079	1
114	MP3B	Mx	-.027	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	190.423	1.5
2	MP1A	Z	-109.941	1.5
3	MP1A	Mx	-.108	1.5
4	MP1A	X	190.423	4.5
5	MP1A	Z	-109.941	4.5
6	MP1A	Mx	-.108	4.5
7	MP1B	X	211.741	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP1B	Z	-122.249	1.5
9	MP1B	Mx	.021	1.5
10	MP1B	X	211.741	4.5
11	MP1B	Z	-122.249	4.5
12	MP1B	Mx	.021	4.5
13	MP3C	X	199.112	1.5
14	MP3C	Z	-114.958	1.5
15	MP3C	Mx	.088	1.5
16	MP3C	X	199.112	4.5
17	MP3C	Z	-114.958	4.5
18	MP3C	Mx	.088	4.5
19	MP5A	X	190.423	1.5
20	MP5A	Z	-109.941	1.5
21	MP5A	Mx	-.108	1.5
22	MP5A	X	190.423	4.5
23	MP5A	Z	-109.941	4.5
24	MP5A	Mx	-.108	4.5
25	MP5B	X	211.741	1.5
26	MP5B	Z	-122.249	1.5
27	MP5B	Mx	.021	1.5
28	MP5B	X	211.741	4.5
29	MP5B	Z	-122.249	4.5
30	MP5B	Mx	.021	4.5
31	MP5C	X	199.112	1.5
32	MP5C	Z	-114.958	1.5
33	MP5C	Mx	.088	1.5
34	MP5C	X	199.112	4.5
35	MP5C	Z	-114.958	4.5
36	MP5C	Mx	.088	4.5
37	M108	X	142.063	1
38	M108	Z	-82.02	1
39	M108	Mx	0	1
40	M109	X	142.063	1
41	M109	Z	-82.02	1
42	M109	Mx	0	1
43	MP1C	X	185.521	1.5
44	MP1C	Z	-107.111	1.5
45	MP1C	Mx	.174	1.5
46	MP1C	X	185.521	4.5
47	MP1C	Z	-107.111	4.5
48	MP1C	Mx	.174	4.5
49	MP1C	X	185.521	1.5
50	MP1C	Z	-107.111	1.5
51	MP1C	Mx	-.01	1.5
52	MP1C	X	185.521	4.5
53	MP1C	Z	-107.111	4.5
54	MP1C	Mx	-.01	4.5
55	MP3A	X	176.379	1.5
56	MP3A	Z	-101.832	1.5
57	MP3A	Mx	-.156	1.5
58	MP3A	X	176.379	4.5
59	MP3A	Z	-101.832	4.5
60	MP3A	Mx	-.156	4.5
61	MP3B	X	216.71	1.5
62	MP3B	Z	-125.118	1.5
63	MP3B	Mx	-.143	1.5
64	MP3B	X	216.71	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3B	Z	-125.118	4.5
66	MP3B	Mx	-.143	4.5
67	MP3A	X	176.379	1.5
68	MP3A	Z	-101.832	1.5
69	MP3A	Mx	-.02	1.5
70	MP3A	X	176.379	4.5
71	MP3A	Z	-101.832	4.5
72	MP3A	Mx	-.02	4.5
73	MP3B	X	216.71	1.5
74	MP3B	Z	-125.118	1.5
75	MP3B	Mx	.186	1.5
76	MP3B	X	216.71	4.5
77	MP3B	Z	-125.118	4.5
78	MP3B	Mx	.186	4.5
79	MP4A	X	56.537	2
80	MP4A	Z	-32.642	2
81	MP4A	Mx	-.028	2
82	MP4A	X	56.537	4
83	MP4A	Z	-32.642	4
84	MP4A	Mx	-.028	4
85	MP4B	X	88.179	2
86	MP4B	Z	-50.91	2
87	MP4B	Mx	.025	2
88	MP4B	X	88.179	4
89	MP4B	Z	-50.91	4
90	MP4B	Mx	.025	4
91	MP4C	X	56.537	2
92	MP4C	Z	-32.642	2
93	MP4C	Mx	.028	2
94	MP4C	X	56.537	4
95	MP4C	Z	-32.642	4
96	MP4C	Mx	.028	4
97	MP1C	X	62.179	1
98	MP1C	Z	-35.899	1
99	MP1C	Mx	-.031	1
100	MP2A	X	62.179	1
101	MP2A	Z	-35.899	1
102	MP2A	Mx	.031	1
103	MP2B	X	75.898	1
104	MP2B	Z	-43.82	1
105	MP2B	Mx	-.022	1
106	MP2C	X	53.079	1
107	MP2C	Z	-30.645	1
108	MP2C	Mx	-.027	1
109	MP3A	X	53.079	1
110	MP3A	Z	-30.645	1
111	MP3A	Mx	.027	1
112	MP3B	X	60.768	1
113	MP3B	Z	-35.084	1
114	MP3B	Mx	-.018	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	222.156	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.104	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	222.156	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	-.104	4.5
7	MP1B	X	242.223	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.041	1.5
10	MP1B	X	242.223	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	-.041	4.5
13	MP3C	X	219.881	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	.108	1.5
16	MP3C	X	219.881	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	.108	4.5
19	MP5A	X	222.156	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	-.104	1.5
22	MP5A	X	222.156	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	-.104	4.5
25	MP5B	X	242.223	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	-.041	1.5
28	MP5B	X	242.223	4.5
29	MP5B	Z	0	4.5
30	MP5B	Mx	-.041	4.5
31	MP5C	X	219.881	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	.108	1.5
34	MP5C	X	219.881	4.5
35	MP5C	Z	0	4.5
36	MP5C	Mx	.108	4.5
37	M108	X	187.15	1
38	M108	Z	0	1
39	M108	Mx	0	1
40	M109	X	187.15	1
41	M109	Z	0	1
42	M109	Mx	0	1
43	MP1C	X	189.442	1.5
44	MP1C	Z	0	1.5
45	MP1C	Mx	.115	1.5
46	MP1C	X	189.442	4.5
47	MP1C	Z	0	4.5
48	MP1C	Mx	.115	4.5
49	MP1C	X	189.442	1.5
50	MP1C	Z	0	1.5
51	MP1C	Mx	.071	1.5
52	MP1C	X	189.442	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	.071	4.5
55	MP3A	X	187.491	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	-.094	1.5
58	MP3A	X	187.491	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	-.094	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP3B	X	244.618	1.5
62	MP3B	Z	0	1.5
63	MP3B	Mx	-.195	1.5
64	MP3B	X	244.618	4.5
65	MP3B	Z	0	4.5
66	MP3B	Mx	-.195	4.5
67	MP3A	X	187.491	1.5
68	MP3A	Z	0	1.5
69	MP3A	Mx	-.094	1.5
70	MP3A	X	187.491	4.5
71	MP3A	Z	0	4.5
72	MP3A	Mx	-.094	4.5
73	MP3B	X	244.618	1.5
74	MP3B	Z	0	1.5
75	MP3B	Mx	.111	1.5
76	MP3B	X	244.618	4.5
77	MP3B	Z	0	4.5
78	MP3B	Mx	.111	4.5
79	MP4A	X	47.015	2
80	MP4A	Z	0	2
81	MP4A	Mx	-.024	2
82	MP4A	X	47.015	4
83	MP4A	Z	0	4
84	MP4A	Mx	-.024	4
85	MP4B	X	120.089	2
86	MP4B	Z	0	2
87	MP4B	Mx	0	2
88	MP4B	X	120.089	4
89	MP4B	Z	0	4
90	MP4B	Mx	0	4
91	MP4C	X	47.015	2
92	MP4C	Z	0	2
93	MP4C	Mx	.024	2
94	MP4C	X	47.015	4
95	MP4C	Z	0	4
96	MP4C	Mx	.024	4
97	MP1C	X	63.877	1
98	MP1C	Z	0	1
99	MP1C	Mx	-.032	1
100	MP2A	X	63.877	1
101	MP2A	Z	0	1
102	MP2A	Mx	.032	1
103	MP2B	X	95.56	1
104	MP2B	Z	0	1
105	MP2B	Mx	0	1
106	MP2C	X	56.851	1
107	MP2C	Z	0	1
108	MP2C	Mx	-.028	1
109	MP3A	X	56.851	1
110	MP3A	Z	0	1
111	MP3A	Mx	.028	1
112	MP3B	X	74.608	1
113	MP3B	Z	0	1
114	MP3B	Mx	0	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	203.052	1.5
2	MP1A	Z	117.232	1.5
3	MP1A	Mx	-.075	1.5
4	MP1A	X	203.052	4.5
5	MP1A	Z	117.232	4.5
6	MP1A	Mx	-.075	4.5
7	MP1B	X	199.112	1.5
8	MP1B	Z	114.958	1.5
9	MP1B	Mx	-.088	1.5
10	MP1B	X	199.112	4.5
11	MP1B	Z	114.958	4.5
12	MP1B	Mx	-.088	4.5
13	MP3C	X	192.393	1.5
14	MP3C	Z	111.078	1.5
15	MP3C	Mx	.104	1.5
16	MP3C	X	192.393	4.5
17	MP3C	Z	111.078	4.5
18	MP3C	Mx	.104	4.5
19	MP5A	X	203.052	1.5
20	MP5A	Z	117.232	1.5
21	MP5A	Mx	-.075	1.5
22	MP5A	X	203.052	4.5
23	MP5A	Z	117.232	4.5
24	MP5A	Mx	-.075	4.5
25	MP5B	X	199.112	1.5
26	MP5B	Z	114.958	1.5
27	MP5B	Mx	-.088	1.5
28	MP5B	X	199.112	4.5
29	MP5B	Z	114.958	4.5
30	MP5B	Mx	-.088	4.5
31	MP5C	X	192.393	1.5
32	MP5C	Z	111.078	1.5
33	MP5C	Mx	.104	1.5
34	MP5C	X	192.393	4.5
35	MP5C	Z	111.078	4.5
36	MP5C	Mx	.104	4.5
37	M108	X	178.392	1
38	M108	Z	102.995	1
39	M108	Mx	0	1
40	M109	X	178.392	1
41	M109	Z	102.995	1
42	M109	Mx	0	1
43	MP1C	X	168.926	1.5
44	MP1C	Z	97.529	1.5
45	MP1C	Mx	.047	1.5
46	MP1C	X	168.926	4.5
47	MP1C	Z	97.529	4.5
48	MP1C	Mx	.047	4.5
49	MP1C	X	168.926	1.5
50	MP1C	Z	97.529	1.5
51	MP1C	Mx	.136	1.5
52	MP1C	X	168.926	4.5
53	MP1C	Z	97.529	4.5
54	MP1C	Mx	.136	4.5
55	MP3A	X	176.379	1.5
56	MP3A	Z	101.832	1.5
57	MP3A	Mx	-.02	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	176.379	4.5
59	MP3A	Z	101.832	4.5
60	MP3A	Mx	-.02	4.5
61	MP3B	X	185.521	1.5
62	MP3B	Z	107.111	1.5
63	MP3B	Mx	-.174	1.5
64	MP3B	X	185.521	4.5
65	MP3B	Z	107.111	4.5
66	MP3B	Mx	-.174	4.5
67	MP3A	X	176.379	1.5
68	MP3A	Z	101.832	1.5
69	MP3A	Mx	-.156	1.5
70	MP3A	X	176.379	4.5
71	MP3A	Z	101.832	4.5
72	MP3A	Mx	-.156	4.5
73	MP3B	X	185.521	1.5
74	MP3B	Z	107.111	1.5
75	MP3B	Mx	.01	1.5
76	MP3B	X	185.521	4.5
77	MP3B	Z	107.111	4.5
78	MP3B	Mx	.01	4.5
79	MP4A	X	56.537	2
80	MP4A	Z	32.642	2
81	MP4A	Mx	-.028	2
82	MP4A	X	56.537	4
83	MP4A	Z	32.642	4
84	MP4A	Mx	-.028	4
85	MP4B	X	88.179	2
86	MP4B	Z	50.91	2
87	MP4B	Mx	-.025	2
88	MP4B	X	88.179	4
89	MP4B	Z	50.91	4
90	MP4B	Mx	-.025	4
91	MP4C	X	56.537	2
92	MP4C	Z	32.642	2
93	MP4C	Mx	.028	2
94	MP4C	X	56.537	4
95	MP4C	Z	32.642	4
96	MP4C	Mx	.028	4
97	MP1C	X	62.179	1
98	MP1C	Z	35.899	1
99	MP1C	Mx	-.031	1
100	MP2A	X	62.179	1
101	MP2A	Z	35.899	1
102	MP2A	Mx	.031	1
103	MP2B	X	75.898	1
104	MP2B	Z	43.82	1
105	MP2B	Mx	.022	1
106	MP2C	X	53.079	1
107	MP2C	Z	30.645	1
108	MP2C	Mx	-.027	1
109	MP3A	X	53.079	1
110	MP3A	Z	30.645	1
111	MP3A	Mx	.027	1
112	MP3B	X	60.768	1
113	MP3B	Z	35.084	1
114	MP3B	Mx	.018	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	122.249	1.5
2	MP1A	Z	211.741	1.5
3	MP1A	Mx	-.021	1.5
4	MP1A	X	122.249	4.5
5	MP1A	Z	211.741	4.5
6	MP1A	Mx	-.021	4.5
7	MP1B	X	109.941	1.5
8	MP1B	Z	190.423	1.5
9	MP1B	Mx	-.108	1.5
10	MP1B	X	109.941	4.5
11	MP1B	Z	190.423	4.5
12	MP1B	Mx	-.108	4.5
13	MP3C	X	117.232	1.5
14	MP3C	Z	203.052	1.5
15	MP3C	Mx	.075	1.5
16	MP3C	X	117.232	4.5
17	MP3C	Z	203.052	4.5
18	MP3C	Mx	.075	4.5
19	MP5A	X	122.249	1.5
20	MP5A	Z	211.741	1.5
21	MP5A	Mx	-.021	1.5
22	MP5A	X	122.249	4.5
23	MP5A	Z	211.741	4.5
24	MP5A	Mx	-.021	4.5
25	MP5B	X	109.941	1.5
26	MP5B	Z	190.423	1.5
27	MP5B	Mx	-.108	1.5
28	MP5B	X	109.941	4.5
29	MP5B	Z	190.423	4.5
30	MP5B	Mx	-.108	4.5
31	MP5C	X	117.232	1.5
32	MP5C	Z	203.052	1.5
33	MP5C	Mx	.075	1.5
34	MP5C	X	117.232	4.5
35	MP5C	Z	203.052	4.5
36	MP5C	Mx	.075	4.5
37	M108	X	100.859	1
38	M108	Z	174.694	1
39	M108	Mx	0	1
40	M109	X	100.859	1
41	M109	Z	174.694	1
42	M109	Mx	0	1
43	MP1C	X	112.728	1.5
44	MP1C	Z	195.25	1.5
45	MP1C	Mx	-.043	1.5
46	MP1C	X	112.728	4.5
47	MP1C	Z	195.25	4.5
48	MP1C	Mx	-.043	4.5
49	MP1C	X	112.728	1.5
50	MP1C	Z	195.25	1.5
51	MP1C	Mx	.188	1.5
52	MP1C	X	112.728	4.5
53	MP1C	Z	195.25	4.5
54	MP1C	Mx	.188	4.5
55	MP3A	X	118.006	1.5
56	MP3A	Z	204.393	1.5
57	MP3A	Mx	.077	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	118.006	4.5
59	MP3A	Z	204.393	4.5
60	MP3A	Mx	.077	4.5
61	MP3B	X	94.721	1.5
62	MP3B	Z	164.061	1.5
63	MP3B	Mx	-.115	1.5
64	MP3B	X	94.721	4.5
65	MP3B	Z	164.061	4.5
66	MP3B	Mx	-.115	4.5
67	MP3A	X	118.006	1.5
68	MP3A	Z	204.393	1.5
69	MP3A	Mx	-.195	1.5
70	MP3A	X	118.006	4.5
71	MP3A	Z	204.393	4.5
72	MP3A	Mx	-.195	4.5
73	MP3B	X	94.721	1.5
74	MP3B	Z	164.061	1.5
75	MP3B	Mx	-.071	1.5
76	MP3B	X	94.721	4.5
77	MP3B	Z	164.061	4.5
78	MP3B	Mx	-.071	4.5
79	MP4A	X	50.91	2
80	MP4A	Z	88.179	2
81	MP4A	Mx	-.025	2
82	MP4A	X	50.91	4
83	MP4A	Z	88.179	4
84	MP4A	Mx	-.025	4
85	MP4B	X	32.642	2
86	MP4B	Z	56.537	2
87	MP4B	Mx	-.028	2
88	MP4B	X	32.642	4
89	MP4B	Z	56.537	4
90	MP4B	Mx	-.028	4
91	MP4C	X	50.91	2
92	MP4C	Z	88.179	2
93	MP4C	Mx	.025	2
94	MP4C	X	50.91	4
95	MP4C	Z	88.179	4
96	MP4C	Mx	.025	4
97	MP1C	X	43.82	1
98	MP1C	Z	75.898	1
99	MP1C	Mx	-.022	1
100	MP2A	X	43.82	1
101	MP2A	Z	75.898	1
102	MP2A	Mx	.022	1
103	MP2B	X	35.899	1
104	MP2B	Z	62.179	1
105	MP2B	Mx	.031	1
106	MP2C	X	35.084	1
107	MP2C	Z	60.768	1
108	MP2C	Mx	-.018	1
109	MP3A	X	35.084	1
110	MP3A	Z	60.768	1
111	MP3A	Mx	.018	1
112	MP3B	X	30.645	1
113	MP3B	Z	53.079	1
114	MP3B	Mx	.027	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	242.223	1.5
3	MP1A	Mx	.041	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	242.223	4.5
6	MP1A	Mx	.041	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	222.156	1.5
9	MP1B	Mx	-.104	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	222.156	4.5
12	MP1B	Mx	-.104	4.5
13	MP3C	X	0	1.5
14	MP3C	Z	244.498	1.5
15	MP3C	Mx	.021	1.5
16	MP3C	X	0	4.5
17	MP3C	Z	244.498	4.5
18	MP3C	Mx	.021	4.5
19	MP5A	X	0	1.5
20	MP5A	Z	242.223	1.5
21	MP5A	Mx	.041	1.5
22	MP5A	X	0	4.5
23	MP5A	Z	242.223	4.5
24	MP5A	Mx	.041	4.5
25	MP5B	X	0	1.5
26	MP5B	Z	222.156	1.5
27	MP5B	Mx	-.104	1.5
28	MP5B	X	0	4.5
29	MP5B	Z	222.156	4.5
30	MP5B	Mx	-.104	4.5
31	MP5C	X	0	1.5
32	MP5C	Z	244.498	1.5
33	MP5C	Mx	.021	1.5
34	MP5C	X	0	4.5
35	MP5C	Z	244.498	4.5
36	MP5C	Mx	.021	4.5
37	M108	X	0	1
38	M108	Z	178.609	1
39	M108	Mx	0	1
40	M109	X	0	1
41	M109	Z	178.609	1
42	M109	Mx	0	1
43	MP1C	X	0	1.5
44	MP1C	Z	250.236	1.5
45	MP1C	Mx	-.143	1.5
46	MP1C	X	0	4.5
47	MP1C	Z	250.236	4.5
48	MP1C	Mx	-.143	4.5
49	MP1C	X	0	1.5
50	MP1C	Z	250.236	1.5
51	MP1C	Mx	.186	1.5
52	MP1C	X	0	4.5
53	MP1C	Z	250.236	4.5
54	MP1C	Mx	.186	4.5
55	MP3A	X	0	1.5
56	MP3A	Z	252.186	1.5
57	MP3A	Mx	.168	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	0	4.5
59	MP3A	Z	252.186	4.5
60	MP3A	Mx	.168	4.5
61	MP3B	X	0	1.5
62	MP3B	Z	195.059	1.5
63	MP3B	Mx	-.047	1.5
64	MP3B	X	0	4.5
65	MP3B	Z	195.059	4.5
66	MP3B	Mx	-.047	4.5
67	MP3A	X	0	1.5
68	MP3A	Z	252.186	1.5
69	MP3A	Mx	-.168	1.5
70	MP3A	X	0	4.5
71	MP3A	Z	252.186	4.5
72	MP3A	Mx	-.168	4.5
73	MP3B	X	0	1.5
74	MP3B	Z	195.059	1.5
75	MP3B	Mx	-.136	1.5
76	MP3B	X	0	4.5
77	MP3B	Z	195.059	4.5
78	MP3B	Mx	-.136	4.5
79	MP4A	X	0	2
80	MP4A	Z	120.089	2
81	MP4A	Mx	0	2
82	MP4A	X	0	4
83	MP4A	Z	120.089	4
84	MP4A	Mx	0	4
85	MP4B	X	0	2
86	MP4B	Z	47.015	2
87	MP4B	Mx	-.024	2
88	MP4B	X	0	4
89	MP4B	Z	47.015	4
90	MP4B	Mx	-.024	4
91	MP4C	X	0	2
92	MP4C	Z	120.089	2
93	MP4C	Mx	0	2
94	MP4C	X	0	4
95	MP4C	Z	120.089	4
96	MP4C	Mx	0	4
97	MP1C	X	0	1
98	MP1C	Z	95.56	1
99	MP1C	Mx	0	1
100	MP2A	X	0	1
101	MP2A	Z	95.56	1
102	MP2A	Mx	0	1
103	MP2B	X	0	1
104	MP2B	Z	63.877	1
105	MP2B	Mx	.032	1
106	MP2C	X	0	1
107	MP2C	Z	74.608	1
108	MP2C	Mx	0	1
109	MP3A	X	0	1
110	MP3A	Z	74.608	1
111	MP3A	Mx	0	1
112	MP3B	X	0	1
113	MP3B	Z	56.851	1
114	MP3B	Mx	.028	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-114.958	1.5
2	MP1A	Z	199.112	1.5
3	MP1A	Mx	.088	1.5
4	MP1A	X	-114.958	4.5
5	MP1A	Z	199.112	4.5
6	MP1A	Mx	.088	4.5
7	MP1B	X	-117.232	1.5
8	MP1B	Z	203.052	1.5
9	MP1B	Mx	-.075	1.5
10	MP1B	X	-117.232	4.5
11	MP1B	Z	203.052	4.5
12	MP1B	Mx	-.075	4.5
13	MP3C	X	-121.112	1.5
14	MP3C	Z	209.772	1.5
15	MP3C	Mx	-.041	1.5
16	MP3C	X	-121.112	4.5
17	MP3C	Z	209.772	4.5
18	MP3C	Mx	-.041	4.5
19	MP5A	X	-114.958	1.5
20	MP5A	Z	199.112	1.5
21	MP5A	Mx	.088	1.5
22	MP5A	X	-114.958	4.5
23	MP5A	Z	199.112	4.5
24	MP5A	Mx	.088	4.5
25	MP5B	X	-117.232	1.5
26	MP5B	Z	203.052	1.5
27	MP5B	Mx	-.075	1.5
28	MP5B	X	-117.232	4.5
29	MP5B	Z	203.052	4.5
30	MP5B	Mx	-.075	4.5
31	MP5C	X	-121.112	1.5
32	MP5C	Z	209.772	1.5
33	MP5C	Mx	-.041	1.5
34	MP5C	X	-121.112	4.5
35	MP5C	Z	209.772	4.5
36	MP5C	Mx	-.041	4.5
37	M108	X	-79.885	1
38	M108	Z	138.365	1
39	M108	Mx	0	1
40	M109	X	-79.885	1
41	M109	Z	138.365	1
42	M109	Mx	0	1
43	MP1C	X	-122.309	1.5
44	MP1C	Z	211.846	1.5
45	MP1C	Mx	-.195	1.5
46	MP1C	X	-122.309	4.5
47	MP1C	Z	211.846	4.5
48	MP1C	Mx	-.195	4.5
49	MP1C	X	-122.309	1.5
50	MP1C	Z	211.846	1.5
51	MP1C	Mx	.111	1.5
52	MP1C	X	-122.309	4.5
53	MP1C	Z	211.846	4.5
54	MP1C	Mx	.111	4.5
55	MP3A	X	-118.006	1.5
56	MP3A	Z	204.393	1.5
57	MP3A	Mx	.195	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-118.006	4.5
59	MP3A	Z	204.393	4.5
60	MP3A	Mx	.195	4.5
61	MP3B	X	-112.728	1.5
62	MP3B	Z	195.25	1.5
63	MP3B	Mx	.043	1.5
64	MP3B	X	-112.728	4.5
65	MP3B	Z	195.25	4.5
66	MP3B	Mx	.043	4.5
67	MP3A	X	-118.006	1.5
68	MP3A	Z	204.393	1.5
69	MP3A	Mx	-.077	1.5
70	MP3A	X	-118.006	4.5
71	MP3A	Z	204.393	4.5
72	MP3A	Mx	-.077	4.5
73	MP3B	X	-112.728	1.5
74	MP3B	Z	195.25	1.5
75	MP3B	Mx	-.188	1.5
76	MP3B	X	-112.728	4.5
77	MP3B	Z	195.25	4.5
78	MP3B	Mx	-.188	4.5
79	MP4A	X	-50.91	2
80	MP4A	Z	88.179	2
81	MP4A	Mx	.025	2
82	MP4A	X	-50.91	4
83	MP4A	Z	88.179	4
84	MP4A	Mx	.025	4
85	MP4B	X	-32.642	2
86	MP4B	Z	56.537	2
87	MP4B	Mx	-.028	2
88	MP4B	X	-32.642	4
89	MP4B	Z	56.537	4
90	MP4B	Mx	-.028	4
91	MP4C	X	-50.91	2
92	MP4C	Z	88.179	2
93	MP4C	Mx	-.025	2
94	MP4C	X	-50.91	4
95	MP4C	Z	88.179	4
96	MP4C	Mx	-.025	4
97	MP1C	X	-43.82	1
98	MP1C	Z	75.898	1
99	MP1C	Mx	.022	1
100	MP2A	X	-43.82	1
101	MP2A	Z	75.898	1
102	MP2A	Mx	-.022	1
103	MP2B	X	-35.899	1
104	MP2B	Z	62.179	1
105	MP2B	Mx	.031	1
106	MP2C	X	-35.084	1
107	MP2C	Z	60.768	1
108	MP2C	Mx	.018	1
109	MP3A	X	-35.084	1
110	MP3A	Z	60.768	1
111	MP3A	Mx	-.018	1
112	MP3B	X	-30.645	1
113	MP3B	Z	53.079	1
114	MP3B	Mx	.027	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-190.423	1.5
2	MP1A	Z	109.941	1.5
3	MP1A	Mx	.108	1.5
4	MP1A	X	-190.423	4.5
5	MP1A	Z	109.941	4.5
6	MP1A	Mx	.108	4.5
7	MP1B	X	-211.741	1.5
8	MP1B	Z	122.249	1.5
9	MP1B	Mx	-.021	1.5
10	MP1B	X	-211.741	4.5
11	MP1B	Z	122.249	4.5
12	MP1B	Mx	-.021	4.5
13	MP3C	X	-199.112	1.5
14	MP3C	Z	114.958	1.5
15	MP3C	Mx	-.088	1.5
16	MP3C	X	-199.112	4.5
17	MP3C	Z	114.958	4.5
18	MP3C	Mx	-.088	4.5
19	MP5A	X	-190.423	1.5
20	MP5A	Z	109.941	1.5
21	MP5A	Mx	.108	1.5
22	MP5A	X	-190.423	4.5
23	MP5A	Z	109.941	4.5
24	MP5A	Mx	.108	4.5
25	MP5B	X	-211.741	1.5
26	MP5B	Z	122.249	1.5
27	MP5B	Mx	-.021	1.5
28	MP5B	X	-211.741	4.5
29	MP5B	Z	122.249	4.5
30	MP5B	Mx	-.021	4.5
31	MP5C	X	-199.112	1.5
32	MP5C	Z	114.958	1.5
33	MP5C	Mx	-.088	1.5
34	MP5C	X	-199.112	4.5
35	MP5C	Z	114.958	4.5
36	MP5C	Mx	-.088	4.5
37	M108	X	-142.063	1
38	M108	Z	82.02	1
39	M108	Mx	0	1
40	M109	X	-142.063	1
41	M109	Z	82.02	1
42	M109	Mx	0	1
43	MP1C	X	-185.521	1.5
44	MP1C	Z	107.111	1.5
45	MP1C	Mx	-.174	1.5
46	MP1C	X	-185.521	4.5
47	MP1C	Z	107.111	4.5
48	MP1C	Mx	-.174	4.5
49	MP1C	X	-185.521	1.5
50	MP1C	Z	107.111	1.5
51	MP1C	Mx	.01	1.5
52	MP1C	X	-185.521	4.5
53	MP1C	Z	107.111	4.5
54	MP1C	Mx	.01	4.5
55	MP3A	X	-176.379	1.5
56	MP3A	Z	101.832	1.5
57	MP3A	Mx	.156	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-176.379	4.5
59	MP3A	Z	101.832	4.5
60	MP3A	Mx	.156	4.5
61	MP3B	X	-216.71	1.5
62	MP3B	Z	125.118	1.5
63	MP3B	Mx	.143	1.5
64	MP3B	X	-216.71	4.5
65	MP3B	Z	125.118	4.5
66	MP3B	Mx	.143	4.5
67	MP3A	X	-176.379	1.5
68	MP3A	Z	101.832	1.5
69	MP3A	Mx	.02	1.5
70	MP3A	X	-176.379	4.5
71	MP3A	Z	101.832	4.5
72	MP3A	Mx	.02	4.5
73	MP3B	X	-216.71	1.5
74	MP3B	Z	125.118	1.5
75	MP3B	Mx	-.186	1.5
76	MP3B	X	-216.71	4.5
77	MP3B	Z	125.118	4.5
78	MP3B	Mx	-.186	4.5
79	MP4A	X	-56.537	2
80	MP4A	Z	32.642	2
81	MP4A	Mx	.028	2
82	MP4A	X	-56.537	4
83	MP4A	Z	32.642	4
84	MP4A	Mx	.028	4
85	MP4B	X	-88.179	2
86	MP4B	Z	50.91	2
87	MP4B	Mx	-.025	2
88	MP4B	X	-88.179	4
89	MP4B	Z	50.91	4
90	MP4B	Mx	-.025	4
91	MP4C	X	-56.537	2
92	MP4C	Z	32.642	2
93	MP4C	Mx	-.028	2
94	MP4C	X	-56.537	4
95	MP4C	Z	32.642	4
96	MP4C	Mx	-.028	4
97	MP1C	X	-62.179	1
98	MP1C	Z	35.899	1
99	MP1C	Mx	.031	1
100	MP2A	X	-62.179	1
101	MP2A	Z	35.899	1
102	MP2A	Mx	-.031	1
103	MP2B	X	-75.898	1
104	MP2B	Z	43.82	1
105	MP2B	Mx	.022	1
106	MP2C	X	-53.079	1
107	MP2C	Z	30.645	1
108	MP2C	Mx	.027	1
109	MP3A	X	-53.079	1
110	MP3A	Z	30.645	1
111	MP3A	Mx	-.027	1
112	MP3B	X	-60.768	1
113	MP3B	Z	35.084	1
114	MP3B	Mx	.018	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-222.156	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.104	1.5
4	MP1A	X	-222.156	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	.104	4.5
7	MP1B	X	-242.223	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.041	1.5
10	MP1B	X	-242.223	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	.041	4.5
13	MP3C	X	-219.881	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	-.108	1.5
16	MP3C	X	-219.881	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	-.108	4.5
19	MP5A	X	-222.156	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	.104	1.5
22	MP5A	X	-222.156	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	.104	4.5
25	MP5B	X	-242.223	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	.041	1.5
28	MP5B	X	-242.223	4.5
29	MP5B	Z	0	4.5
30	MP5B	Mx	.041	4.5
31	MP5C	X	-219.881	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	-.108	1.5
34	MP5C	X	-219.881	4.5
35	MP5C	Z	0	4.5
36	MP5C	Mx	-.108	4.5
37	M108	X	-187.15	1
38	M108	Z	0	1
39	M108	Mx	0	1
40	M109	X	-187.15	1
41	M109	Z	0	1
42	M109	Mx	0	1
43	MP1C	X	-189.442	1.5
44	MP1C	Z	0	1.5
45	MP1C	Mx	-.115	1.5
46	MP1C	X	-189.442	4.5
47	MP1C	Z	0	4.5
48	MP1C	Mx	-.115	4.5
49	MP1C	X	-189.442	1.5
50	MP1C	Z	0	1.5
51	MP1C	Mx	-.071	1.5
52	MP1C	X	-189.442	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	-.071	4.5
55	MP3A	X	-187.491	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	.094	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-187.491	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	.094	4.5
61	MP3B	X	-244.618	1.5
62	MP3B	Z	0	1.5
63	MP3B	Mx	.195	1.5
64	MP3B	X	-244.618	4.5
65	MP3B	Z	0	4.5
66	MP3B	Mx	.195	4.5
67	MP3A	X	-187.491	1.5
68	MP3A	Z	0	1.5
69	MP3A	Mx	.094	1.5
70	MP3A	X	-187.491	4.5
71	MP3A	Z	0	4.5
72	MP3A	Mx	.094	4.5
73	MP3B	X	-244.618	1.5
74	MP3B	Z	0	1.5
75	MP3B	Mx	-.111	1.5
76	MP3B	X	-244.618	4.5
77	MP3B	Z	0	4.5
78	MP3B	Mx	-.111	4.5
79	MP4A	X	-47.015	2
80	MP4A	Z	0	2
81	MP4A	Mx	.024	2
82	MP4A	X	-47.015	4
83	MP4A	Z	0	4
84	MP4A	Mx	.024	4
85	MP4B	X	-120.089	2
86	MP4B	Z	0	2
87	MP4B	Mx	0	2
88	MP4B	X	-120.089	4
89	MP4B	Z	0	4
90	MP4B	Mx	0	4
91	MP4C	X	-47.015	2
92	MP4C	Z	0	2
93	MP4C	Mx	-.024	2
94	MP4C	X	-47.015	4
95	MP4C	Z	0	4
96	MP4C	Mx	-.024	4
97	MP1C	X	-63.877	1
98	MP1C	Z	0	1
99	MP1C	Mx	.032	1
100	MP2A	X	-63.877	1
101	MP2A	Z	0	1
102	MP2A	Mx	-.032	1
103	MP2B	X	-95.56	1
104	MP2B	Z	0	1
105	MP2B	Mx	0	1
106	MP2C	X	-56.851	1
107	MP2C	Z	0	1
108	MP2C	Mx	.028	1
109	MP3A	X	-56.851	1
110	MP3A	Z	0	1
111	MP3A	Mx	-.028	1
112	MP3B	X	-74.608	1
113	MP3B	Z	0	1
114	MP3B	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-203.052	1.5
2	MP1A	Z	-117.232	1.5
3	MP1A	Mx	.075	1.5
4	MP1A	X	-203.052	4.5
5	MP1A	Z	-117.232	4.5
6	MP1A	Mx	.075	4.5
7	MP1B	X	-199.112	1.5
8	MP1B	Z	-114.958	1.5
9	MP1B	Mx	.088	1.5
10	MP1B	X	-199.112	4.5
11	MP1B	Z	-114.958	4.5
12	MP1B	Mx	.088	4.5
13	MP3C	X	-192.393	1.5
14	MP3C	Z	-111.078	1.5
15	MP3C	Mx	-.104	1.5
16	MP3C	X	-192.393	4.5
17	MP3C	Z	-111.078	4.5
18	MP3C	Mx	-.104	4.5
19	MP5A	X	-203.052	1.5
20	MP5A	Z	-117.232	1.5
21	MP5A	Mx	.075	1.5
22	MP5A	X	-203.052	4.5
23	MP5A	Z	-117.232	4.5
24	MP5A	Mx	.075	4.5
25	MP5B	X	-199.112	1.5
26	MP5B	Z	-114.958	1.5
27	MP5B	Mx	.088	1.5
28	MP5B	X	-199.112	4.5
29	MP5B	Z	-114.958	4.5
30	MP5B	Mx	.088	4.5
31	MP5C	X	-192.393	1.5
32	MP5C	Z	-111.078	1.5
33	MP5C	Mx	-.104	1.5
34	MP5C	X	-192.393	4.5
35	MP5C	Z	-111.078	4.5
36	MP5C	Mx	-.104	4.5
37	M108	X	-178.392	1
38	M108	Z	-102.995	1
39	M108	Mx	0	1
40	M109	X	-178.392	1
41	M109	Z	-102.995	1
42	M109	Mx	0	1
43	MP1C	X	-168.926	1.5
44	MP1C	Z	-97.529	1.5
45	MP1C	Mx	-.047	1.5
46	MP1C	X	-168.926	4.5
47	MP1C	Z	-97.529	4.5
48	MP1C	Mx	-.047	4.5
49	MP1C	X	-168.926	1.5
50	MP1C	Z	-97.529	1.5
51	MP1C	Mx	-.136	1.5
52	MP1C	X	-168.926	4.5
53	MP1C	Z	-97.529	4.5
54	MP1C	Mx	-.136	4.5
55	MP3A	X	-176.379	1.5
56	MP3A	Z	-101.832	1.5
57	MP3A	Mx	.02	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-176.379	4.5
59	MP3A	Z	-101.832	4.5
60	MP3A	Mx	.02	4.5
61	MP3B	X	-185.521	1.5
62	MP3B	Z	-107.111	1.5
63	MP3B	Mx	.174	1.5
64	MP3B	X	-185.521	4.5
65	MP3B	Z	-107.111	4.5
66	MP3B	Mx	.174	4.5
67	MP3A	X	-176.379	1.5
68	MP3A	Z	-101.832	1.5
69	MP3A	Mx	.156	1.5
70	MP3A	X	-176.379	4.5
71	MP3A	Z	-101.832	4.5
72	MP3A	Mx	.156	4.5
73	MP3B	X	-185.521	1.5
74	MP3B	Z	-107.111	1.5
75	MP3B	Mx	-.01	1.5
76	MP3B	X	-185.521	4.5
77	MP3B	Z	-107.111	4.5
78	MP3B	Mx	-.01	4.5
79	MP4A	X	-56.537	2
80	MP4A	Z	-32.642	2
81	MP4A	Mx	.028	2
82	MP4A	X	-56.537	4
83	MP4A	Z	-32.642	4
84	MP4A	Mx	.028	4
85	MP4B	X	-88.179	2
86	MP4B	Z	-50.91	2
87	MP4B	Mx	.025	2
88	MP4B	X	-88.179	4
89	MP4B	Z	-50.91	4
90	MP4B	Mx	.025	4
91	MP4C	X	-56.537	2
92	MP4C	Z	-32.642	2
93	MP4C	Mx	-.028	2
94	MP4C	X	-56.537	4
95	MP4C	Z	-32.642	4
96	MP4C	Mx	-.028	4
97	MP1C	X	-62.179	1
98	MP1C	Z	-35.899	1
99	MP1C	Mx	.031	1
100	MP2A	X	-62.179	1
101	MP2A	Z	-35.899	1
102	MP2A	Mx	-.031	1
103	MP2B	X	-75.898	1
104	MP2B	Z	-43.82	1
105	MP2B	Mx	-.022	1
106	MP2C	X	-53.079	1
107	MP2C	Z	-30.645	1
108	MP2C	Mx	.027	1
109	MP3A	X	-53.079	1
110	MP3A	Z	-30.645	1
111	MP3A	Mx	-.027	1
112	MP3B	X	-60.768	1
113	MP3B	Z	-35.084	1
114	MP3B	Mx	-.018	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-122.249	1.5
2	MP1A	Z	-211.741	1.5
3	MP1A	Mx	.021	1.5
4	MP1A	X	-122.249	4.5
5	MP1A	Z	-211.741	4.5
6	MP1A	Mx	.021	4.5
7	MP1B	X	-109.941	1.5
8	MP1B	Z	-190.423	1.5
9	MP1B	Mx	.108	1.5
10	MP1B	X	-109.941	4.5
11	MP1B	Z	-190.423	4.5
12	MP1B	Mx	.108	4.5
13	MP3C	X	-117.232	1.5
14	MP3C	Z	-203.052	1.5
15	MP3C	Mx	-.075	1.5
16	MP3C	X	-117.232	4.5
17	MP3C	Z	-203.052	4.5
18	MP3C	Mx	-.075	4.5
19	MP5A	X	-122.249	1.5
20	MP5A	Z	-211.741	1.5
21	MP5A	Mx	.021	1.5
22	MP5A	X	-122.249	4.5
23	MP5A	Z	-211.741	4.5
24	MP5A	Mx	.021	4.5
25	MP5B	X	-109.941	1.5
26	MP5B	Z	-190.423	1.5
27	MP5B	Mx	.108	1.5
28	MP5B	X	-109.941	4.5
29	MP5B	Z	-190.423	4.5
30	MP5B	Mx	.108	4.5
31	MP5C	X	-117.232	1.5
32	MP5C	Z	-203.052	1.5
33	MP5C	Mx	-.075	1.5
34	MP5C	X	-117.232	4.5
35	MP5C	Z	-203.052	4.5
36	MP5C	Mx	-.075	4.5
37	M108	X	-100.859	1
38	M108	Z	-174.694	1
39	M108	Mx	0	1
40	M109	X	-100.859	1
41	M109	Z	-174.694	1
42	M109	Mx	0	1
43	MP1C	X	-112.728	1.5
44	MP1C	Z	-195.25	1.5
45	MP1C	Mx	.043	1.5
46	MP1C	X	-112.728	4.5
47	MP1C	Z	-195.25	4.5
48	MP1C	Mx	.043	4.5
49	MP1C	X	-112.728	1.5
50	MP1C	Z	-195.25	1.5
51	MP1C	Mx	-.188	1.5
52	MP1C	X	-112.728	4.5
53	MP1C	Z	-195.25	4.5
54	MP1C	Mx	-.188	4.5
55	MP3A	X	-118.006	1.5
56	MP3A	Z	-204.393	1.5
57	MP3A	Mx	-.077	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-118.006	4.5
59	MP3A	Z	-204.393	4.5
60	MP3A	Mx	-.077	4.5
61	MP3B	X	-94.721	1.5
62	MP3B	Z	-164.061	1.5
63	MP3B	Mx	.115	1.5
64	MP3B	X	-94.721	4.5
65	MP3B	Z	-164.061	4.5
66	MP3B	Mx	.115	4.5
67	MP3A	X	-118.006	1.5
68	MP3A	Z	-204.393	1.5
69	MP3A	Mx	.195	1.5
70	MP3A	X	-118.006	4.5
71	MP3A	Z	-204.393	4.5
72	MP3A	Mx	.195	4.5
73	MP3B	X	-94.721	1.5
74	MP3B	Z	-164.061	1.5
75	MP3B	Mx	.071	1.5
76	MP3B	X	-94.721	4.5
77	MP3B	Z	-164.061	4.5
78	MP3B	Mx	.071	4.5
79	MP4A	X	-50.91	2
80	MP4A	Z	-88.179	2
81	MP4A	Mx	.025	2
82	MP4A	X	-50.91	4
83	MP4A	Z	-88.179	4
84	MP4A	Mx	.025	4
85	MP4B	X	-32.642	2
86	MP4B	Z	-56.537	2
87	MP4B	Mx	.028	2
88	MP4B	X	-32.642	4
89	MP4B	Z	-56.537	4
90	MP4B	Mx	.028	4
91	MP4C	X	-50.91	2
92	MP4C	Z	-88.179	2
93	MP4C	Mx	-.025	2
94	MP4C	X	-50.91	4
95	MP4C	Z	-88.179	4
96	MP4C	Mx	-.025	4
97	MP1C	X	-43.82	1
98	MP1C	Z	-75.898	1
99	MP1C	Mx	.022	1
100	MP2A	X	-43.82	1
101	MP2A	Z	-75.898	1
102	MP2A	Mx	-.022	1
103	MP2B	X	-35.899	1
104	MP2B	Z	-62.179	1
105	MP2B	Mx	-.031	1
106	MP2C	X	-35.084	1
107	MP2C	Z	-60.768	1
108	MP2C	Mx	.018	1
109	MP3A	X	-35.084	1
110	MP3A	Z	-60.768	1
111	MP3A	Mx	-.018	1
112	MP3B	X	-30.645	1
113	MP3B	Z	-53.079	1
114	MP3B	Mx	-.027	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-36.207	1.5
3	MP1A	Mx	-.006	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	-36.207	4.5
6	MP1A	Mx	-.006	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	-33.385	1.5
9	MP1B	Mx	.016	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	-33.385	4.5
12	MP1B	Mx	.016	4.5
13	MP3C	X	0	1.5
14	MP3C	Z	-36.526	1.5
15	MP3C	Mx	-.003	1.5
16	MP3C	X	0	4.5
17	MP3C	Z	-36.526	4.5
18	MP3C	Mx	-.003	4.5
19	MP5A	X	0	1.5
20	MP5A	Z	-36.207	1.5
21	MP5A	Mx	-.006	1.5
22	MP5A	X	0	4.5
23	MP5A	Z	-36.207	4.5
24	MP5A	Mx	-.006	4.5
25	MP5B	X	0	1.5
26	MP5B	Z	-33.385	1.5
27	MP5B	Mx	.016	1.5
28	MP5B	X	0	4.5
29	MP5B	Z	-33.385	4.5
30	MP5B	Mx	.016	4.5
31	MP5C	X	0	1.5
32	MP5C	Z	-36.526	1.5
33	MP5C	Mx	-.003	1.5
34	MP5C	X	0	4.5
35	MP5C	Z	-36.526	4.5
36	MP5C	Mx	-.003	4.5
37	M108	X	0	1
38	M108	Z	-28.022	1
39	M108	Mx	0	1
40	M109	X	0	1
41	M109	Z	-28.022	1
42	M109	Mx	0	1
43	MP1C	X	0	1.5
44	MP1C	Z	-37.371	1.5
45	MP1C	Mx	.021	1.5
46	MP1C	X	0	4.5
47	MP1C	Z	-37.371	4.5
48	MP1C	Mx	.021	4.5
49	MP1C	X	0	1.5
50	MP1C	Z	-37.371	1.5
51	MP1C	Mx	-.028	1.5
52	MP1C	X	0	4.5
53	MP1C	Z	-37.371	4.5
54	MP1C	Mx	-.028	4.5
55	MP3A	X	0	1.5
56	MP3A	Z	-37.648	1.5
57	MP3A	Mx	-.025	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	0	4.5
59	MP3A	Z	-37.648	4.5
60	MP3A	Mx	-.025	4.5
61	MP3B	X	0	1.5
62	MP3B	Z	-29.543	1.5
63	MP3B	Mx	.007	1.5
64	MP3B	X	0	4.5
65	MP3B	Z	-29.543	4.5
66	MP3B	Mx	.007	4.5
67	MP3A	X	0	1.5
68	MP3A	Z	-37.648	1.5
69	MP3A	Mx	.025	1.5
70	MP3A	X	0	4.5
71	MP3A	Z	-37.648	4.5
72	MP3A	Mx	.025	4.5
73	MP3B	X	0	1.5
74	MP3B	Z	-29.543	1.5
75	MP3B	Mx	.021	1.5
76	MP3B	X	0	4.5
77	MP3B	Z	-29.543	4.5
78	MP3B	Mx	.021	4.5
79	MP4A	X	0	2
80	MP4A	Z	-18.559	2
81	MP4A	Mx	0	2
82	MP4A	X	0	4
83	MP4A	Z	-18.559	4
84	MP4A	Mx	0	4
85	MP4B	X	0	2
86	MP4B	Z	-7.89	2
87	MP4B	Mx	.004	2
88	MP4B	X	0	4
89	MP4B	Z	-7.89	4
90	MP4B	Mx	.004	4
91	MP4C	X	0	2
92	MP4C	Z	-18.559	2
93	MP4C	Mx	0	2
94	MP4C	X	0	4
95	MP4C	Z	-18.559	4
96	MP4C	Mx	0	4
97	MP1C	X	0	1
98	MP1C	Z	-15.622	1
99	MP1C	Mx	0	1
100	MP2A	X	0	1
101	MP2A	Z	-15.622	1
102	MP2A	Mx	0	1
103	MP2B	X	0	1
104	MP2B	Z	-10.856	1
105	MP2B	Mx	-.005	1
106	MP2C	X	0	1
107	MP2C	Z	-12.572	1
108	MP2C	Mx	0	1
109	MP3A	X	0	1
110	MP3A	Z	-12.572	1
111	MP3A	Mx	0	1
112	MP3B	X	0	1
113	MP3B	Z	-9.808	1
114	MP3B	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	17.238	1.5
2	MP1A	Z	-29.857	1.5
3	MP1A	Mx	-.013	1.5
4	MP1A	X	17.238	4.5
5	MP1A	Z	-29.857	4.5
6	MP1A	Mx	-.013	4.5
7	MP1B	X	17.558	1.5
8	MP1B	Z	-30.411	1.5
9	MP1B	Mx	.011	1.5
10	MP1B	X	17.558	4.5
11	MP1B	Z	-30.411	4.5
12	MP1B	Mx	.011	4.5
13	MP3C	X	18.103	1.5
14	MP3C	Z	-31.356	1.5
15	MP3C	Mx	.006	1.5
16	MP3C	X	18.103	4.5
17	MP3C	Z	-31.356	4.5
18	MP3C	Mx	.006	4.5
19	MP5A	X	17.238	1.5
20	MP5A	Z	-29.857	1.5
21	MP5A	Mx	-.013	1.5
22	MP5A	X	17.238	4.5
23	MP5A	Z	-29.857	4.5
24	MP5A	Mx	-.013	4.5
25	MP5B	X	17.558	1.5
26	MP5B	Z	-30.411	1.5
27	MP5B	Mx	.011	1.5
28	MP5B	X	17.558	4.5
29	MP5B	Z	-30.411	4.5
30	MP5B	Mx	.011	4.5
31	MP5C	X	18.103	1.5
32	MP5C	Z	-31.356	1.5
33	MP5C	Mx	.006	1.5
34	MP5C	X	18.103	4.5
35	MP5C	Z	-31.356	4.5
36	MP5C	Mx	.006	4.5
37	M108	X	12.666	1
38	M108	Z	-21.939	1
39	M108	Mx	0	1
40	M109	X	12.666	1
41	M109	Z	-21.939	1
42	M109	Mx	0	1
43	MP1C	X	18.287	1.5
44	MP1C	Z	-31.674	1.5
45	MP1C	Mx	.029	1.5
46	MP1C	X	18.287	4.5
47	MP1C	Z	-31.674	4.5
48	MP1C	Mx	.029	4.5
49	MP1C	X	18.287	1.5
50	MP1C	Z	-31.674	1.5
51	MP1C	Mx	-.017	1.5
52	MP1C	X	18.287	4.5
53	MP1C	Z	-31.674	4.5
54	MP1C	Mx	-.017	4.5
55	MP3A	X	17.677	1.5
56	MP3A	Z	-30.617	1.5
57	MP3A	Mx	-.029	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	17.677	4.5
59	MP3A	Z	-30.617	4.5
60	MP3A	Mx	-.029	4.5
61	MP3B	X	16.928	1.5
62	MP3B	Z	-29.32	1.5
63	MP3B	Mx	-.006	1.5
64	MP3B	X	16.928	4.5
65	MP3B	Z	-29.32	4.5
66	MP3B	Mx	-.006	4.5
67	MP3A	X	17.677	1.5
68	MP3A	Z	-30.617	1.5
69	MP3A	Mx	.012	1.5
70	MP3A	X	17.677	4.5
71	MP3A	Z	-30.617	4.5
72	MP3A	Mx	.012	4.5
73	MP3B	X	16.928	1.5
74	MP3B	Z	-29.32	1.5
75	MP3B	Mx	.028	1.5
76	MP3B	X	16.928	4.5
77	MP3B	Z	-29.32	4.5
78	MP3B	Mx	.028	4.5
79	MP4A	X	7.946	2
80	MP4A	Z	-13.763	2
81	MP4A	Mx	-.004	2
82	MP4A	X	7.946	4
83	MP4A	Z	-13.763	4
84	MP4A	Mx	-.004	4
85	MP4B	X	5.279	2
86	MP4B	Z	-9.143	2
87	MP4B	Mx	.005	2
88	MP4B	X	5.279	4
89	MP4B	Z	-9.143	4
90	MP4B	Mx	.005	4
91	MP4C	X	7.946	2
92	MP4C	Z	-13.763	2
93	MP4C	Mx	.004	2
94	MP4C	X	7.946	4
95	MP4C	Z	-13.763	4
96	MP4C	Mx	.004	4
97	MP1C	X	7.215	1
98	MP1C	Z	-12.497	1
99	MP1C	Mx	-.004	1
100	MP2A	X	7.215	1
101	MP2A	Z	-12.497	1
102	MP2A	Mx	.004	1
103	MP2B	X	6.024	1
104	MP2B	Z	-10.434	1
105	MP2B	Mx	-.005	1
106	MP2C	X	5.94	1
107	MP2C	Z	-10.289	1
108	MP2C	Mx	-.003	1
109	MP3A	X	5.94	1
110	MP3A	Z	-10.289	1
111	MP3A	Mx	.003	1
112	MP3B	X	5.25	1
113	MP3B	Z	-9.092	1
114	MP3B	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	28.636	1.5
2	MP1A	Z	-16.533	1.5
3	MP1A	Mx	-.016	1.5
4	MP1A	X	28.636	4.5
5	MP1A	Z	-16.533	4.5
6	MP1A	Mx	-.016	4.5
7	MP1B	X	31.633	1.5
8	MP1B	Z	-18.263	1.5
9	MP1B	Mx	.003	1.5
10	MP1B	X	31.633	4.5
11	MP1B	Z	-18.263	4.5
12	MP1B	Mx	.003	4.5
13	MP3C	X	29.857	1.5
14	MP3C	Z	-17.238	1.5
15	MP3C	Mx	.013	1.5
16	MP3C	X	29.857	4.5
17	MP3C	Z	-17.238	4.5
18	MP3C	Mx	.013	4.5
19	MP5A	X	28.636	1.5
20	MP5A	Z	-16.533	1.5
21	MP5A	Mx	-.016	1.5
22	MP5A	X	28.636	4.5
23	MP5A	Z	-16.533	4.5
24	MP5A	Mx	-.016	4.5
25	MP5B	X	31.633	1.5
26	MP5B	Z	-18.263	1.5
27	MP5B	Mx	.003	1.5
28	MP5B	X	31.633	4.5
29	MP5B	Z	-18.263	4.5
30	MP5B	Mx	.003	4.5
31	MP5C	X	29.857	1.5
32	MP5C	Z	-17.238	1.5
33	MP5C	Mx	.013	1.5
34	MP5C	X	29.857	4.5
35	MP5C	Z	-17.238	4.5
36	MP5C	Mx	.013	4.5
37	M108	X	22.467	1
38	M108	Z	-12.971	1
39	M108	Mx	0	1
40	M109	X	22.467	1
41	M109	Z	-12.971	1
42	M109	Mx	0	1
43	MP1C	X	27.939	1.5
44	MP1C	Z	-16.131	1.5
45	MP1C	Mx	.026	1.5
46	MP1C	X	27.939	4.5
47	MP1C	Z	-16.131	4.5
48	MP1C	Mx	.026	4.5
49	MP1C	X	27.939	1.5
50	MP1C	Z	-16.131	1.5
51	MP1C	Mx	-.001	1.5
52	MP1C	X	27.939	4.5
53	MP1C	Z	-16.131	4.5
54	MP1C	Mx	-.001	4.5
55	MP3A	X	26.642	1.5
56	MP3A	Z	-15.382	1.5
57	MP3A	Mx	-.024	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	26.642	4.5
59	MP3A	Z	-15.382	4.5
60	MP3A	Mx	-.024	4.5
61	MP3B	X	32.364	1.5
62	MP3B	Z	-18.686	1.5
63	MP3B	Mx	-.021	1.5
64	MP3B	X	32.364	4.5
65	MP3B	Z	-18.686	4.5
66	MP3B	Mx	-.021	4.5
67	MP3A	X	26.642	1.5
68	MP3A	Z	-15.382	1.5
69	MP3A	Mx	-.003	1.5
70	MP3A	X	26.642	4.5
71	MP3A	Z	-15.382	4.5
72	MP3A	Mx	-.003	4.5
73	MP3B	X	32.364	1.5
74	MP3B	Z	-18.686	1.5
75	MP3B	Mx	.028	1.5
76	MP3B	X	32.364	4.5
77	MP3B	Z	-18.686	4.5
78	MP3B	Mx	.028	4.5
79	MP4A	X	9.143	2
80	MP4A	Z	-5.279	2
81	MP4A	Mx	-.005	2
82	MP4A	X	9.143	4
83	MP4A	Z	-5.279	4
84	MP4A	Mx	-.005	4
85	MP4B	X	13.763	2
86	MP4B	Z	-7.946	2
87	MP4B	Mx	.004	2
88	MP4B	X	13.763	4
89	MP4B	Z	-7.946	4
90	MP4B	Mx	.004	4
91	MP4C	X	9.143	2
92	MP4C	Z	-5.279	2
93	MP4C	Mx	.005	2
94	MP4C	X	9.143	4
95	MP4C	Z	-5.279	4
96	MP4C	Mx	.005	4
97	MP1C	X	10.434	1
98	MP1C	Z	-6.024	1
99	MP1C	Mx	-.005	1
100	MP2A	X	10.434	1
101	MP2A	Z	-6.024	1
102	MP2A	Mx	.005	1
103	MP2B	X	12.497	1
104	MP2B	Z	-7.215	1
105	MP2B	Mx	-.004	1
106	MP2C	X	9.092	1
107	MP2C	Z	-5.25	1
108	MP2C	Mx	-.005	1
109	MP3A	X	9.092	1
110	MP3A	Z	-5.25	1
111	MP3A	Mx	.005	1
112	MP3B	X	10.289	1
113	MP3B	Z	-5.94	1
114	MP3B	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	33.385	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.016	1.5
4	MP1A	X	33.385	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	-.016	4.5
7	MP1B	X	36.207	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.006	1.5
10	MP1B	X	36.207	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	-.006	4.5
13	MP3C	X	33.066	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	.016	1.5
16	MP3C	X	33.066	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	.016	4.5
19	MP5A	X	33.385	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	-.016	1.5
22	MP5A	X	33.385	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	-.016	4.5
25	MP5B	X	36.207	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	-.006	1.5
28	MP5B	X	36.207	4.5
29	MP5B	Z	0	4.5
30	MP5B	Mx	-.006	4.5
31	MP5C	X	33.066	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	.016	1.5
34	MP5C	X	33.066	4.5
35	MP5C	Z	0	4.5
36	MP5C	Mx	.016	4.5
37	M108	X	29.241	1
38	M108	Z	0	1
39	M108	Mx	0	1
40	M109	X	29.241	1
41	M109	Z	0	1
42	M109	Mx	0	1
43	MP1C	X	28.746	1.5
44	MP1C	Z	0	1.5
45	MP1C	Mx	.017	1.5
46	MP1C	X	28.746	4.5
47	MP1C	Z	0	4.5
48	MP1C	Mx	.017	4.5
49	MP1C	X	28.746	1.5
50	MP1C	Z	0	1.5
51	MP1C	Mx	.011	1.5
52	MP1C	X	28.746	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	.011	4.5
55	MP3A	X	28.469	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	-.014	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	28.469	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	-.014	4.5
61	MP3B	X	36.574	1.5
62	MP3B	Z	0	1.5
63	MP3B	Mx	-.029	1.5
64	MP3B	X	36.574	4.5
65	MP3B	Z	0	4.5
66	MP3B	Mx	-.029	4.5
67	MP3A	X	28.469	1.5
68	MP3A	Z	0	1.5
69	MP3A	Mx	-.014	1.5
70	MP3A	X	28.469	4.5
71	MP3A	Z	0	4.5
72	MP3A	Mx	-.014	4.5
73	MP3B	X	36.574	1.5
74	MP3B	Z	0	1.5
75	MP3B	Mx	.017	1.5
76	MP3B	X	36.574	4.5
77	MP3B	Z	0	4.5
78	MP3B	Mx	.017	4.5
79	MP4A	X	7.89	2
80	MP4A	Z	0	2
81	MP4A	Mx	-.004	2
82	MP4A	X	7.89	4
83	MP4A	Z	0	4
84	MP4A	Mx	-.004	4
85	MP4B	X	18.559	2
86	MP4B	Z	0	2
87	MP4B	Mx	0	2
88	MP4B	X	18.559	4
89	MP4B	Z	0	4
90	MP4B	Mx	0	4
91	MP4C	X	7.89	2
92	MP4C	Z	0	2
93	MP4C	Mx	.004	2
94	MP4C	X	7.89	4
95	MP4C	Z	0	4
96	MP4C	Mx	.004	4
97	MP1C	X	10.856	1
98	MP1C	Z	0	1
99	MP1C	Mx	-.005	1
100	MP2A	X	10.856	1
101	MP2A	Z	0	1
102	MP2A	Mx	.005	1
103	MP2B	X	15.622	1
104	MP2B	Z	0	1
105	MP2B	Mx	0	1
106	MP2C	X	9.808	1
107	MP2C	Z	0	1
108	MP2C	Mx	-.005	1
109	MP3A	X	9.808	1
110	MP3A	Z	0	1
111	MP3A	Mx	.005	1
112	MP3B	X	12.572	1
113	MP3B	Z	0	1
114	MP3B	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	30.411	1.5
2	MP1A	Z	17.558	1.5
3	MP1A	Mx	-.011	1.5
4	MP1A	X	30.411	4.5
5	MP1A	Z	17.558	4.5
6	MP1A	Mx	-.011	4.5
7	MP1B	X	29.857	1.5
8	MP1B	Z	17.238	1.5
9	MP1B	Mx	-.013	1.5
10	MP1B	X	29.857	4.5
11	MP1B	Z	17.238	4.5
12	MP1B	Mx	-.013	4.5
13	MP3C	X	28.913	1.5
14	MP3C	Z	16.693	1.5
15	MP3C	Mx	.016	1.5
16	MP3C	X	28.913	4.5
17	MP3C	Z	16.693	4.5
18	MP3C	Mx	.016	4.5
19	MP5A	X	30.411	1.5
20	MP5A	Z	17.558	1.5
21	MP5A	Mx	-.011	1.5
22	MP5A	X	30.411	4.5
23	MP5A	Z	17.558	4.5
24	MP5A	Mx	-.011	4.5
25	MP5B	X	29.857	1.5
26	MP5B	Z	17.238	1.5
27	MP5B	Mx	-.013	1.5
28	MP5B	X	29.857	4.5
29	MP5B	Z	17.238	4.5
30	MP5B	Mx	-.013	4.5
31	MP5C	X	28.913	1.5
32	MP5C	Z	16.693	1.5
33	MP5C	Mx	.016	1.5
34	MP5C	X	28.913	4.5
35	MP5C	Z	16.693	4.5
36	MP5C	Mx	.016	4.5
37	M108	X	27.652	1
38	M108	Z	15.965	1
39	M108	Mx	0	1
40	M109	X	27.652	1
41	M109	Z	15.965	1
42	M109	Mx	0	1
43	MP1C	X	25.585	1.5
44	MP1C	Z	14.771	1.5
45	MP1C	Mx	.007	1.5
46	MP1C	X	25.585	4.5
47	MP1C	Z	14.771	4.5
48	MP1C	Mx	.007	4.5
49	MP1C	X	25.585	1.5
50	MP1C	Z	14.771	1.5
51	MP1C	Mx	.021	1.5
52	MP1C	X	25.585	4.5
53	MP1C	Z	14.771	4.5
54	MP1C	Mx	.021	4.5
55	MP3A	X	26.642	1.5
56	MP3A	Z	15.382	1.5
57	MP3A	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	26.642	4.5
59	MP3A	Z	15.382	4.5
60	MP3A	Mx	-.003	4.5
61	MP3B	X	27.939	1.5
62	MP3B	Z	16.131	1.5
63	MP3B	Mx	-.026	1.5
64	MP3B	X	27.939	4.5
65	MP3B	Z	16.131	4.5
66	MP3B	Mx	-.026	4.5
67	MP3A	X	26.642	1.5
68	MP3A	Z	15.382	1.5
69	MP3A	Mx	-.024	1.5
70	MP3A	X	26.642	4.5
71	MP3A	Z	15.382	4.5
72	MP3A	Mx	-.024	4.5
73	MP3B	X	27.939	1.5
74	MP3B	Z	16.131	1.5
75	MP3B	Mx	.001	1.5
76	MP3B	X	27.939	4.5
77	MP3B	Z	16.131	4.5
78	MP3B	Mx	.001	4.5
79	MP4A	X	9.143	2
80	MP4A	Z	5.279	2
81	MP4A	Mx	-.005	2
82	MP4A	X	9.143	4
83	MP4A	Z	5.279	4
84	MP4A	Mx	-.005	4
85	MP4B	X	13.763	2
86	MP4B	Z	7.946	2
87	MP4B	Mx	-.004	2
88	MP4B	X	13.763	4
89	MP4B	Z	7.946	4
90	MP4B	Mx	-.004	4
91	MP4C	X	9.143	2
92	MP4C	Z	5.279	2
93	MP4C	Mx	.005	2
94	MP4C	X	9.143	4
95	MP4C	Z	5.279	4
96	MP4C	Mx	.005	4
97	MP1C	X	10.434	1
98	MP1C	Z	6.024	1
99	MP1C	Mx	-.005	1
100	MP2A	X	10.434	1
101	MP2A	Z	6.024	1
102	MP2A	Mx	.005	1
103	MP2B	X	12.497	1
104	MP2B	Z	7.215	1
105	MP2B	Mx	.004	1
106	MP2C	X	9.092	1
107	MP2C	Z	5.25	1
108	MP2C	Mx	-.005	1
109	MP3A	X	9.092	1
110	MP3A	Z	5.25	1
111	MP3A	Mx	.005	1
112	MP3B	X	10.289	1
113	MP3B	Z	5.94	1
114	MP3B	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	18.263	1.5
2	MP1A	Z	31.633	1.5
3	MP1A	Mx	-.003	1.5
4	MP1A	X	18.263	4.5
5	MP1A	Z	31.633	4.5
6	MP1A	Mx	-.003	4.5
7	MP1B	X	16.533	1.5
8	MP1B	Z	28.636	1.5
9	MP1B	Mx	-.016	1.5
10	MP1B	X	16.533	4.5
11	MP1B	Z	28.636	4.5
12	MP1B	Mx	-.016	4.5
13	MP3C	X	17.558	1.5
14	MP3C	Z	30.411	1.5
15	MP3C	Mx	.011	1.5
16	MP3C	X	17.558	4.5
17	MP3C	Z	30.411	4.5
18	MP3C	Mx	.011	4.5
19	MP5A	X	18.263	1.5
20	MP5A	Z	31.633	1.5
21	MP5A	Mx	-.003	1.5
22	MP5A	X	18.263	4.5
23	MP5A	Z	31.633	4.5
24	MP5A	Mx	-.003	4.5
25	MP5B	X	16.533	1.5
26	MP5B	Z	28.636	1.5
27	MP5B	Mx	-.016	1.5
28	MP5B	X	16.533	4.5
29	MP5B	Z	28.636	4.5
30	MP5B	Mx	-.016	4.5
31	MP5C	X	17.558	1.5
32	MP5C	Z	30.411	1.5
33	MP5C	Mx	.011	1.5
34	MP5C	X	17.558	4.5
35	MP5C	Z	30.411	4.5
36	MP5C	Mx	.011	4.5
37	M108	X	15.66	1
38	M108	Z	27.124	1
39	M108	Mx	0	1
40	M109	X	15.66	1
41	M109	Z	27.124	1
42	M109	Mx	0	1
43	MP1C	X	16.928	1.5
44	MP1C	Z	29.32	1.5
45	MP1C	Mx	-.006	1.5
46	MP1C	X	16.928	4.5
47	MP1C	Z	29.32	4.5
48	MP1C	Mx	-.006	4.5
49	MP1C	X	16.928	1.5
50	MP1C	Z	29.32	1.5
51	MP1C	Mx	.028	1.5
52	MP1C	X	16.928	4.5
53	MP1C	Z	29.32	4.5
54	MP1C	Mx	.028	4.5
55	MP3A	X	17.677	1.5
56	MP3A	Z	30.617	1.5
57	MP3A	Mx	.012	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	17.677	4.5
59	MP3A	Z	30.617	4.5
60	MP3A	Mx	.012	4.5
61	MP3B	X	14.373	1.5
62	MP3B	Z	24.894	1.5
63	MP3B	Mx	-.017	1.5
64	MP3B	X	14.373	4.5
65	MP3B	Z	24.894	4.5
66	MP3B	Mx	-.017	4.5
67	MP3A	X	17.677	1.5
68	MP3A	Z	30.617	1.5
69	MP3A	Mx	-.029	1.5
70	MP3A	X	17.677	4.5
71	MP3A	Z	30.617	4.5
72	MP3A	Mx	-.029	4.5
73	MP3B	X	14.373	1.5
74	MP3B	Z	24.894	1.5
75	MP3B	Mx	-.011	1.5
76	MP3B	X	14.373	4.5
77	MP3B	Z	24.894	4.5
78	MP3B	Mx	-.011	4.5
79	MP4A	X	7.946	2
80	MP4A	Z	13.763	2
81	MP4A	Mx	-.004	2
82	MP4A	X	7.946	4
83	MP4A	Z	13.763	4
84	MP4A	Mx	-.004	4
85	MP4B	X	5.279	2
86	MP4B	Z	9.143	2
87	MP4B	Mx	-.005	2
88	MP4B	X	5.279	4
89	MP4B	Z	9.143	4
90	MP4B	Mx	-.005	4
91	MP4C	X	7.946	2
92	MP4C	Z	13.763	2
93	MP4C	Mx	.004	2
94	MP4C	X	7.946	4
95	MP4C	Z	13.763	4
96	MP4C	Mx	.004	4
97	MP1C	X	7.215	1
98	MP1C	Z	12.497	1
99	MP1C	Mx	-.004	1
100	MP2A	X	7.215	1
101	MP2A	Z	12.497	1
102	MP2A	Mx	.004	1
103	MP2B	X	6.024	1
104	MP2B	Z	10.434	1
105	MP2B	Mx	.005	1
106	MP2C	X	5.94	1
107	MP2C	Z	10.289	1
108	MP2C	Mx	-.003	1
109	MP3A	X	5.94	1
110	MP3A	Z	10.289	1
111	MP3A	Mx	.003	1
112	MP3B	X	5.25	1
113	MP3B	Z	9.092	1
114	MP3B	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	36.207	1.5
3	MP1A	Mx	.006	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	36.207	4.5
6	MP1A	Mx	.006	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	33.385	1.5
9	MP1B	Mx	-.016	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	33.385	4.5
12	MP1B	Mx	-.016	4.5
13	MP3C	X	0	1.5
14	MP3C	Z	36.526	1.5
15	MP3C	Mx	.003	1.5
16	MP3C	X	0	4.5
17	MP3C	Z	36.526	4.5
18	MP3C	Mx	.003	4.5
19	MP5A	X	0	1.5
20	MP5A	Z	36.207	1.5
21	MP5A	Mx	.006	1.5
22	MP5A	X	0	4.5
23	MP5A	Z	36.207	4.5
24	MP5A	Mx	.006	4.5
25	MP5B	X	0	1.5
26	MP5B	Z	33.385	1.5
27	MP5B	Mx	-.016	1.5
28	MP5B	X	0	4.5
29	MP5B	Z	33.385	4.5
30	MP5B	Mx	-.016	4.5
31	MP5C	X	0	1.5
32	MP5C	Z	36.526	1.5
33	MP5C	Mx	.003	1.5
34	MP5C	X	0	4.5
35	MP5C	Z	36.526	4.5
36	MP5C	Mx	.003	4.5
37	M108	X	0	1
38	M108	Z	28.022	1
39	M108	Mx	0	1
40	M109	X	0	1
41	M109	Z	28.022	1
42	M109	Mx	0	1
43	MP1C	X	0	1.5
44	MP1C	Z	37.371	1.5
45	MP1C	Mx	-.021	1.5
46	MP1C	X	0	4.5
47	MP1C	Z	37.371	4.5
48	MP1C	Mx	-.021	4.5
49	MP1C	X	0	1.5
50	MP1C	Z	37.371	1.5
51	MP1C	Mx	.028	1.5
52	MP1C	X	0	4.5
53	MP1C	Z	37.371	4.5
54	MP1C	Mx	.028	4.5
55	MP3A	X	0	1.5
56	MP3A	Z	37.648	1.5
57	MP3A	Mx	.025	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	0	4.5
59	MP3A	Z	37.648	4.5
60	MP3A	Mx	.025	4.5
61	MP3B	X	0	1.5
62	MP3B	Z	29.543	1.5
63	MP3B	Mx	-.007	1.5
64	MP3B	X	0	4.5
65	MP3B	Z	29.543	4.5
66	MP3B	Mx	-.007	4.5
67	MP3A	X	0	1.5
68	MP3A	Z	37.648	1.5
69	MP3A	Mx	-.025	1.5
70	MP3A	X	0	4.5
71	MP3A	Z	37.648	4.5
72	MP3A	Mx	-.025	4.5
73	MP3B	X	0	1.5
74	MP3B	Z	29.543	1.5
75	MP3B	Mx	-.021	1.5
76	MP3B	X	0	4.5
77	MP3B	Z	29.543	4.5
78	MP3B	Mx	-.021	4.5
79	MP4A	X	0	2
80	MP4A	Z	18.559	2
81	MP4A	Mx	0	2
82	MP4A	X	0	4
83	MP4A	Z	18.559	4
84	MP4A	Mx	0	4
85	MP4B	X	0	2
86	MP4B	Z	7.89	2
87	MP4B	Mx	-.004	2
88	MP4B	X	0	4
89	MP4B	Z	7.89	4
90	MP4B	Mx	-.004	4
91	MP4C	X	0	2
92	MP4C	Z	18.559	2
93	MP4C	Mx	0	2
94	MP4C	X	0	4
95	MP4C	Z	18.559	4
96	MP4C	Mx	0	4
97	MP1C	X	0	1
98	MP1C	Z	15.622	1
99	MP1C	Mx	0	1
100	MP2A	X	0	1
101	MP2A	Z	15.622	1
102	MP2A	Mx	0	1
103	MP2B	X	0	1
104	MP2B	Z	10.856	1
105	MP2B	Mx	.005	1
106	MP2C	X	0	1
107	MP2C	Z	12.572	1
108	MP2C	Mx	0	1
109	MP3A	X	0	1
110	MP3A	Z	12.572	1
111	MP3A	Mx	0	1
112	MP3B	X	0	1
113	MP3B	Z	9.808	1
114	MP3B	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-17.238	1.5
2	MP1A	Z	29.857	1.5
3	MP1A	Mx	.013	1.5
4	MP1A	X	-17.238	4.5
5	MP1A	Z	29.857	4.5
6	MP1A	Mx	.013	4.5
7	MP1B	X	-17.558	1.5
8	MP1B	Z	30.411	1.5
9	MP1B	Mx	-.011	1.5
10	MP1B	X	-17.558	4.5
11	MP1B	Z	30.411	4.5
12	MP1B	Mx	-.011	4.5
13	MP3C	X	-18.103	1.5
14	MP3C	Z	31.356	1.5
15	MP3C	Mx	-.006	1.5
16	MP3C	X	-18.103	4.5
17	MP3C	Z	31.356	4.5
18	MP3C	Mx	-.006	4.5
19	MP5A	X	-17.238	1.5
20	MP5A	Z	29.857	1.5
21	MP5A	Mx	.013	1.5
22	MP5A	X	-17.238	4.5
23	MP5A	Z	29.857	4.5
24	MP5A	Mx	.013	4.5
25	MP5B	X	-17.558	1.5
26	MP5B	Z	30.411	1.5
27	MP5B	Mx	-.011	1.5
28	MP5B	X	-17.558	4.5
29	MP5B	Z	30.411	4.5
30	MP5B	Mx	-.011	4.5
31	MP5C	X	-18.103	1.5
32	MP5C	Z	31.356	1.5
33	MP5C	Mx	-.006	1.5
34	MP5C	X	-18.103	4.5
35	MP5C	Z	31.356	4.5
36	MP5C	Mx	-.006	4.5
37	M108	X	-12.666	1
38	M108	Z	21.939	1
39	M108	Mx	0	1
40	M109	X	-12.666	1
41	M109	Z	21.939	1
42	M109	Mx	0	1
43	MP1C	X	-18.287	1.5
44	MP1C	Z	31.674	1.5
45	MP1C	Mx	-.029	1.5
46	MP1C	X	-18.287	4.5
47	MP1C	Z	31.674	4.5
48	MP1C	Mx	-.029	4.5
49	MP1C	X	-18.287	1.5
50	MP1C	Z	31.674	1.5
51	MP1C	Mx	.017	1.5
52	MP1C	X	-18.287	4.5
53	MP1C	Z	31.674	4.5
54	MP1C	Mx	.017	4.5
55	MP3A	X	-17.677	1.5
56	MP3A	Z	30.617	1.5
57	MP3A	Mx	.029	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-17.677	4.5
59	MP3A	Z	30.617	4.5
60	MP3A	Mx	.029	4.5
61	MP3B	X	-16.928	1.5
62	MP3B	Z	29.32	1.5
63	MP3B	Mx	.006	1.5
64	MP3B	X	-16.928	4.5
65	MP3B	Z	29.32	4.5
66	MP3B	Mx	.006	4.5
67	MP3A	X	-17.677	1.5
68	MP3A	Z	30.617	1.5
69	MP3A	Mx	-.012	1.5
70	MP3A	X	-17.677	4.5
71	MP3A	Z	30.617	4.5
72	MP3A	Mx	-.012	4.5
73	MP3B	X	-16.928	1.5
74	MP3B	Z	29.32	1.5
75	MP3B	Mx	-.028	1.5
76	MP3B	X	-16.928	4.5
77	MP3B	Z	29.32	4.5
78	MP3B	Mx	-.028	4.5
79	MP4A	X	-7.946	2
80	MP4A	Z	13.763	2
81	MP4A	Mx	.004	2
82	MP4A	X	-7.946	4
83	MP4A	Z	13.763	4
84	MP4A	Mx	.004	4
85	MP4B	X	-5.279	2
86	MP4B	Z	9.143	2
87	MP4B	Mx	-.005	2
88	MP4B	X	-5.279	4
89	MP4B	Z	9.143	4
90	MP4B	Mx	-.005	4
91	MP4C	X	-7.946	2
92	MP4C	Z	13.763	2
93	MP4C	Mx	-.004	2
94	MP4C	X	-7.946	4
95	MP4C	Z	13.763	4
96	MP4C	Mx	-.004	4
97	MP1C	X	-7.215	1
98	MP1C	Z	12.497	1
99	MP1C	Mx	.004	1
100	MP2A	X	-7.215	1
101	MP2A	Z	12.497	1
102	MP2A	Mx	-.004	1
103	MP2B	X	-6.024	1
104	MP2B	Z	10.434	1
105	MP2B	Mx	.005	1
106	MP2C	X	-5.94	1
107	MP2C	Z	10.289	1
108	MP2C	Mx	.003	1
109	MP3A	X	-5.94	1
110	MP3A	Z	10.289	1
111	MP3A	Mx	-.003	1
112	MP3B	X	-5.25	1
113	MP3B	Z	9.092	1
114	MP3B	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-28.636	1.5
2	MP1A	Z	16.533	1.5
3	MP1A	Mx	.016	1.5
4	MP1A	X	-28.636	4.5
5	MP1A	Z	16.533	4.5
6	MP1A	Mx	.016	4.5
7	MP1B	X	-31.633	1.5
8	MP1B	Z	18.263	1.5
9	MP1B	Mx	-.003	1.5
10	MP1B	X	-31.633	4.5
11	MP1B	Z	18.263	4.5
12	MP1B	Mx	-.003	4.5
13	MP3C	X	-29.857	1.5
14	MP3C	Z	17.238	1.5
15	MP3C	Mx	-.013	1.5
16	MP3C	X	-29.857	4.5
17	MP3C	Z	17.238	4.5
18	MP3C	Mx	-.013	4.5
19	MP5A	X	-28.636	1.5
20	MP5A	Z	16.533	1.5
21	MP5A	Mx	.016	1.5
22	MP5A	X	-28.636	4.5
23	MP5A	Z	16.533	4.5
24	MP5A	Mx	.016	4.5
25	MP5B	X	-31.633	1.5
26	MP5B	Z	18.263	1.5
27	MP5B	Mx	-.003	1.5
28	MP5B	X	-31.633	4.5
29	MP5B	Z	18.263	4.5
30	MP5B	Mx	-.003	4.5
31	MP5C	X	-29.857	1.5
32	MP5C	Z	17.238	1.5
33	MP5C	Mx	-.013	1.5
34	MP5C	X	-29.857	4.5
35	MP5C	Z	17.238	4.5
36	MP5C	Mx	-.013	4.5
37	M108	X	-22.467	1
38	M108	Z	12.971	1
39	M108	Mx	0	1
40	M109	X	-22.467	1
41	M109	Z	12.971	1
42	M109	Mx	0	1
43	MP1C	X	-27.939	1.5
44	MP1C	Z	16.131	1.5
45	MP1C	Mx	-.026	1.5
46	MP1C	X	-27.939	4.5
47	MP1C	Z	16.131	4.5
48	MP1C	Mx	-.026	4.5
49	MP1C	X	-27.939	1.5
50	MP1C	Z	16.131	1.5
51	MP1C	Mx	.001	1.5
52	MP1C	X	-27.939	4.5
53	MP1C	Z	16.131	4.5
54	MP1C	Mx	.001	4.5
55	MP3A	X	-26.642	1.5
56	MP3A	Z	15.382	1.5
57	MP3A	Mx	.024	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-26.642	4.5
59	MP3A	Z	15.382	4.5
60	MP3A	Mx	.024	4.5
61	MP3B	X	-32.364	1.5
62	MP3B	Z	18.686	1.5
63	MP3B	Mx	.021	1.5
64	MP3B	X	-32.364	4.5
65	MP3B	Z	18.686	4.5
66	MP3B	Mx	.021	4.5
67	MP3A	X	-26.642	1.5
68	MP3A	Z	15.382	1.5
69	MP3A	Mx	.003	1.5
70	MP3A	X	-26.642	4.5
71	MP3A	Z	15.382	4.5
72	MP3A	Mx	.003	4.5
73	MP3B	X	-32.364	1.5
74	MP3B	Z	18.686	1.5
75	MP3B	Mx	-.028	1.5
76	MP3B	X	-32.364	4.5
77	MP3B	Z	18.686	4.5
78	MP3B	Mx	-.028	4.5
79	MP4A	X	-9.143	2
80	MP4A	Z	5.279	2
81	MP4A	Mx	.005	2
82	MP4A	X	-9.143	4
83	MP4A	Z	5.279	4
84	MP4A	Mx	.005	4
85	MP4B	X	-13.763	2
86	MP4B	Z	7.946	2
87	MP4B	Mx	-.004	2
88	MP4B	X	-13.763	4
89	MP4B	Z	7.946	4
90	MP4B	Mx	-.004	4
91	MP4C	X	-9.143	2
92	MP4C	Z	5.279	2
93	MP4C	Mx	-.005	2
94	MP4C	X	-9.143	4
95	MP4C	Z	5.279	4
96	MP4C	Mx	-.005	4
97	MP1C	X	-10.434	1
98	MP1C	Z	6.024	1
99	MP1C	Mx	.005	1
100	MP2A	X	-10.434	1
101	MP2A	Z	6.024	1
102	MP2A	Mx	-.005	1
103	MP2B	X	-12.497	1
104	MP2B	Z	7.215	1
105	MP2B	Mx	.004	1
106	MP2C	X	-9.092	1
107	MP2C	Z	5.25	1
108	MP2C	Mx	.005	1
109	MP3A	X	-9.092	1
110	MP3A	Z	5.25	1
111	MP3A	Mx	-.005	1
112	MP3B	X	-10.289	1
113	MP3B	Z	5.94	1
114	MP3B	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-33.385	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.016	1.5
4	MP1A	X	-33.385	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	.016	4.5
7	MP1B	X	-36.207	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.006	1.5
10	MP1B	X	-36.207	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	.006	4.5
13	MP3C	X	-33.066	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	-.016	1.5
16	MP3C	X	-33.066	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	-.016	4.5
19	MP5A	X	-33.385	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	.016	1.5
22	MP5A	X	-33.385	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	.016	4.5
25	MP5B	X	-36.207	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	.006	1.5
28	MP5B	X	-36.207	4.5
29	MP5B	Z	0	4.5
30	MP5B	Mx	.006	4.5
31	MP5C	X	-33.066	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	-.016	1.5
34	MP5C	X	-33.066	4.5
35	MP5C	Z	0	4.5
36	MP5C	Mx	-.016	4.5
37	M108	X	-29.241	1
38	M108	Z	0	1
39	M108	Mx	0	1
40	M109	X	-29.241	1
41	M109	Z	0	1
42	M109	Mx	0	1
43	MP1C	X	-28.746	1.5
44	MP1C	Z	0	1.5
45	MP1C	Mx	-.017	1.5
46	MP1C	X	-28.746	4.5
47	MP1C	Z	0	4.5
48	MP1C	Mx	-.017	4.5
49	MP1C	X	-28.746	1.5
50	MP1C	Z	0	1.5
51	MP1C	Mx	-.011	1.5
52	MP1C	X	-28.746	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	-.011	4.5
55	MP3A	X	-28.469	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	.014	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-28.469	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	.014	4.5
61	MP3B	X	-36.574	1.5
62	MP3B	Z	0	1.5
63	MP3B	Mx	.029	1.5
64	MP3B	X	-36.574	4.5
65	MP3B	Z	0	4.5
66	MP3B	Mx	.029	4.5
67	MP3A	X	-28.469	1.5
68	MP3A	Z	0	1.5
69	MP3A	Mx	.014	1.5
70	MP3A	X	-28.469	4.5
71	MP3A	Z	0	4.5
72	MP3A	Mx	.014	4.5
73	MP3B	X	-36.574	1.5
74	MP3B	Z	0	1.5
75	MP3B	Mx	-.017	1.5
76	MP3B	X	-36.574	4.5
77	MP3B	Z	0	4.5
78	MP3B	Mx	-.017	4.5
79	MP4A	X	-7.89	2
80	MP4A	Z	0	2
81	MP4A	Mx	.004	2
82	MP4A	X	-7.89	4
83	MP4A	Z	0	4
84	MP4A	Mx	.004	4
85	MP4B	X	-18.559	2
86	MP4B	Z	0	2
87	MP4B	Mx	0	2
88	MP4B	X	-18.559	4
89	MP4B	Z	0	4
90	MP4B	Mx	0	4
91	MP4C	X	-7.89	2
92	MP4C	Z	0	2
93	MP4C	Mx	-.004	2
94	MP4C	X	-7.89	4
95	MP4C	Z	0	4
96	MP4C	Mx	-.004	4
97	MP1C	X	-10.856	1
98	MP1C	Z	0	1
99	MP1C	Mx	.005	1
100	MP2A	X	-10.856	1
101	MP2A	Z	0	1
102	MP2A	Mx	-.005	1
103	MP2B	X	-15.622	1
104	MP2B	Z	0	1
105	MP2B	Mx	0	1
106	MP2C	X	-9.808	1
107	MP2C	Z	0	1
108	MP2C	Mx	.005	1
109	MP3A	X	-9.808	1
110	MP3A	Z	0	1
111	MP3A	Mx	-.005	1
112	MP3B	X	-12.572	1
113	MP3B	Z	0	1
114	MP3B	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-30.411	1.5
2	MP1A	Z	-17.558	1.5
3	MP1A	Mx	.011	1.5
4	MP1A	X	-30.411	4.5
5	MP1A	Z	-17.558	4.5
6	MP1A	Mx	.011	4.5
7	MP1B	X	-29.857	1.5
8	MP1B	Z	-17.238	1.5
9	MP1B	Mx	.013	1.5
10	MP1B	X	-29.857	4.5
11	MP1B	Z	-17.238	4.5
12	MP1B	Mx	.013	4.5
13	MP3C	X	-28.913	1.5
14	MP3C	Z	-16.693	1.5
15	MP3C	Mx	-.016	1.5
16	MP3C	X	-28.913	4.5
17	MP3C	Z	-16.693	4.5
18	MP3C	Mx	-.016	4.5
19	MP5A	X	-30.411	1.5
20	MP5A	Z	-17.558	1.5
21	MP5A	Mx	.011	1.5
22	MP5A	X	-30.411	4.5
23	MP5A	Z	-17.558	4.5
24	MP5A	Mx	.011	4.5
25	MP5B	X	-29.857	1.5
26	MP5B	Z	-17.238	1.5
27	MP5B	Mx	.013	1.5
28	MP5B	X	-29.857	4.5
29	MP5B	Z	-17.238	4.5
30	MP5B	Mx	.013	4.5
31	MP5C	X	-28.913	1.5
32	MP5C	Z	-16.693	1.5
33	MP5C	Mx	-.016	1.5
34	MP5C	X	-28.913	4.5
35	MP5C	Z	-16.693	4.5
36	MP5C	Mx	-.016	4.5
37	M108	X	-27.652	1
38	M108	Z	-15.965	1
39	M108	Mx	0	1
40	M109	X	-27.652	1
41	M109	Z	-15.965	1
42	M109	Mx	0	1
43	MP1C	X	-25.585	1.5
44	MP1C	Z	-14.771	1.5
45	MP1C	Mx	-.007	1.5
46	MP1C	X	-25.585	4.5
47	MP1C	Z	-14.771	4.5
48	MP1C	Mx	-.007	4.5
49	MP1C	X	-25.585	1.5
50	MP1C	Z	-14.771	1.5
51	MP1C	Mx	-.021	1.5
52	MP1C	X	-25.585	4.5
53	MP1C	Z	-14.771	4.5
54	MP1C	Mx	-.021	4.5
55	MP3A	X	-26.642	1.5
56	MP3A	Z	-15.382	1.5
57	MP3A	Mx	.003	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-26.642	4.5
59	MP3A	Z	-15.382	4.5
60	MP3A	Mx	.003	4.5
61	MP3B	X	-27.939	1.5
62	MP3B	Z	-16.131	1.5
63	MP3B	Mx	.026	1.5
64	MP3B	X	-27.939	4.5
65	MP3B	Z	-16.131	4.5
66	MP3B	Mx	.026	4.5
67	MP3A	X	-26.642	1.5
68	MP3A	Z	-15.382	1.5
69	MP3A	Mx	.024	1.5
70	MP3A	X	-26.642	4.5
71	MP3A	Z	-15.382	4.5
72	MP3A	Mx	.024	4.5
73	MP3B	X	-27.939	1.5
74	MP3B	Z	-16.131	1.5
75	MP3B	Mx	-.001	1.5
76	MP3B	X	-27.939	4.5
77	MP3B	Z	-16.131	4.5
78	MP3B	Mx	-.001	4.5
79	MP4A	X	-9.143	2
80	MP4A	Z	-5.279	2
81	MP4A	Mx	.005	2
82	MP4A	X	-9.143	4
83	MP4A	Z	-5.279	4
84	MP4A	Mx	.005	4
85	MP4B	X	-13.763	2
86	MP4B	Z	-7.946	2
87	MP4B	Mx	.004	2
88	MP4B	X	-13.763	4
89	MP4B	Z	-7.946	4
90	MP4B	Mx	.004	4
91	MP4C	X	-9.143	2
92	MP4C	Z	-5.279	2
93	MP4C	Mx	-.005	2
94	MP4C	X	-9.143	4
95	MP4C	Z	-5.279	4
96	MP4C	Mx	-.005	4
97	MP1C	X	-10.434	1
98	MP1C	Z	-6.024	1
99	MP1C	Mx	.005	1
100	MP2A	X	-10.434	1
101	MP2A	Z	-6.024	1
102	MP2A	Mx	-.005	1
103	MP2B	X	-12.497	1
104	MP2B	Z	-7.215	1
105	MP2B	Mx	-.004	1
106	MP2C	X	-9.092	1
107	MP2C	Z	-5.25	1
108	MP2C	Mx	.005	1
109	MP3A	X	-9.092	1
110	MP3A	Z	-5.25	1
111	MP3A	Mx	-.005	1
112	MP3B	X	-10.289	1
113	MP3B	Z	-5.94	1
114	MP3B	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-18.263	1.5
2	MP1A	Z	-31.633	1.5
3	MP1A	Mx	.003	1.5
4	MP1A	X	-18.263	4.5
5	MP1A	Z	-31.633	4.5
6	MP1A	Mx	.003	4.5
7	MP1B	X	-16.533	1.5
8	MP1B	Z	-28.636	1.5
9	MP1B	Mx	.016	1.5
10	MP1B	X	-16.533	4.5
11	MP1B	Z	-28.636	4.5
12	MP1B	Mx	.016	4.5
13	MP3C	X	-17.558	1.5
14	MP3C	Z	-30.411	1.5
15	MP3C	Mx	-.011	1.5
16	MP3C	X	-17.558	4.5
17	MP3C	Z	-30.411	4.5
18	MP3C	Mx	-.011	4.5
19	MP5A	X	-18.263	1.5
20	MP5A	Z	-31.633	1.5
21	MP5A	Mx	.003	1.5
22	MP5A	X	-18.263	4.5
23	MP5A	Z	-31.633	4.5
24	MP5A	Mx	.003	4.5
25	MP5B	X	-16.533	1.5
26	MP5B	Z	-28.636	1.5
27	MP5B	Mx	.016	1.5
28	MP5B	X	-16.533	4.5
29	MP5B	Z	-28.636	4.5
30	MP5B	Mx	.016	4.5
31	MP5C	X	-17.558	1.5
32	MP5C	Z	-30.411	1.5
33	MP5C	Mx	-.011	1.5
34	MP5C	X	-17.558	4.5
35	MP5C	Z	-30.411	4.5
36	MP5C	Mx	-.011	4.5
37	M108	X	-15.66	1
38	M108	Z	-27.124	1
39	M108	Mx	0	1
40	M109	X	-15.66	1
41	M109	Z	-27.124	1
42	M109	Mx	0	1
43	MP1C	X	-16.928	1.5
44	MP1C	Z	-29.32	1.5
45	MP1C	Mx	.006	1.5
46	MP1C	X	-16.928	4.5
47	MP1C	Z	-29.32	4.5
48	MP1C	Mx	.006	4.5
49	MP1C	X	-16.928	1.5
50	MP1C	Z	-29.32	1.5
51	MP1C	Mx	-.028	1.5
52	MP1C	X	-16.928	4.5
53	MP1C	Z	-29.32	4.5
54	MP1C	Mx	-.028	4.5
55	MP3A	X	-17.677	1.5
56	MP3A	Z	-30.617	1.5
57	MP3A	Mx	-.012	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-17.677	4.5
59	MP3A	Z	-30.617	4.5
60	MP3A	Mx	-.012	4.5
61	MP3B	X	-14.373	1.5
62	MP3B	Z	-24.894	1.5
63	MP3B	Mx	.017	1.5
64	MP3B	X	-14.373	4.5
65	MP3B	Z	-24.894	4.5
66	MP3B	Mx	.017	4.5
67	MP3A	X	-17.677	1.5
68	MP3A	Z	-30.617	1.5
69	MP3A	Mx	.029	1.5
70	MP3A	X	-17.677	4.5
71	MP3A	Z	-30.617	4.5
72	MP3A	Mx	.029	4.5
73	MP3B	X	-14.373	1.5
74	MP3B	Z	-24.894	1.5
75	MP3B	Mx	.011	1.5
76	MP3B	X	-14.373	4.5
77	MP3B	Z	-24.894	4.5
78	MP3B	Mx	.011	4.5
79	MP4A	X	-7.946	2
80	MP4A	Z	-13.763	2
81	MP4A	Mx	.004	2
82	MP4A	X	-7.946	4
83	MP4A	Z	-13.763	4
84	MP4A	Mx	.004	4
85	MP4B	X	-5.279	2
86	MP4B	Z	-9.143	2
87	MP4B	Mx	.005	2
88	MP4B	X	-5.279	4
89	MP4B	Z	-9.143	4
90	MP4B	Mx	.005	4
91	MP4C	X	-7.946	2
92	MP4C	Z	-13.763	2
93	MP4C	Mx	-.004	2
94	MP4C	X	-7.946	4
95	MP4C	Z	-13.763	4
96	MP4C	Mx	-.004	4
97	MP1C	X	-7.215	1
98	MP1C	Z	-12.497	1
99	MP1C	Mx	.004	1
100	MP2A	X	-7.215	1
101	MP2A	Z	-12.497	1
102	MP2A	Mx	-.004	1
103	MP2B	X	-6.024	1
104	MP2B	Z	-10.434	1
105	MP2B	Mx	-.005	1
106	MP2C	X	-5.94	1
107	MP2C	Z	-10.289	1
108	MP2C	Mx	.003	1
109	MP3A	X	-5.94	1
110	MP3A	Z	-10.289	1
111	MP3A	Mx	-.003	1
112	MP3B	X	-5.25	1
113	MP3B	Z	-9.092	1
114	MP3B	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-11.962	1.5
3	MP1A	Mx	-.002	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	-11.962	4.5
6	MP1A	Mx	-.002	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	-10.971	1.5
9	MP1B	Mx	.005	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	-10.971	4.5
12	MP1B	Mx	.005	4.5
13	MP3C	X	0	1.5
14	MP3C	Z	-12.074	1.5
15	MP3C	Mx	-.001	1.5
16	MP3C	X	0	4.5
17	MP3C	Z	-12.074	4.5
18	MP3C	Mx	-.001	4.5
19	MP5A	X	0	1.5
20	MP5A	Z	-11.962	1.5
21	MP5A	Mx	-.002	1.5
22	MP5A	X	0	4.5
23	MP5A	Z	-11.962	4.5
24	MP5A	Mx	-.002	4.5
25	MP5B	X	0	1.5
26	MP5B	Z	-10.971	1.5
27	MP5B	Mx	.005	1.5
28	MP5B	X	0	4.5
29	MP5B	Z	-10.971	4.5
30	MP5B	Mx	.005	4.5
31	MP5C	X	0	1.5
32	MP5C	Z	-12.074	1.5
33	MP5C	Mx	-.001	1.5
34	MP5C	X	0	4.5
35	MP5C	Z	-12.074	4.5
36	MP5C	Mx	-.001	4.5
37	M108	X	0	1
38	M108	Z	-8.82	1
39	M108	Mx	0	1
40	M109	X	0	1
41	M109	Z	-8.82	1
42	M109	Mx	0	1
43	MP1C	X	0	1.5
44	MP1C	Z	-12.357	1.5
45	MP1C	Mx	.007	1.5
46	MP1C	X	0	4.5
47	MP1C	Z	-12.357	4.5
48	MP1C	Mx	.007	4.5
49	MP1C	X	0	1.5
50	MP1C	Z	-12.357	1.5
51	MP1C	Mx	-.009	1.5
52	MP1C	X	0	4.5
53	MP1C	Z	-12.357	4.5
54	MP1C	Mx	-.009	4.5
55	MP3A	X	0	1.5
56	MP3A	Z	-12.454	1.5
57	MP3A	Mx	-.008	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	0	4.5
59	MP3A	Z	-12.454	4.5
60	MP3A	Mx	-.008	4.5
61	MP3B	X	0	1.5
62	MP3B	Z	-9.633	1.5
63	MP3B	Mx	.002	1.5
64	MP3B	X	0	4.5
65	MP3B	Z	-9.633	4.5
66	MP3B	Mx	.002	4.5
67	MP3A	X	0	1.5
68	MP3A	Z	-12.454	1.5
69	MP3A	Mx	.008	1.5
70	MP3A	X	0	4.5
71	MP3A	Z	-12.454	4.5
72	MP3A	Mx	.008	4.5
73	MP3B	X	0	1.5
74	MP3B	Z	-9.633	1.5
75	MP3B	Mx	.007	1.5
76	MP3B	X	0	4.5
77	MP3B	Z	-9.633	4.5
78	MP3B	Mx	.007	4.5
79	MP4A	X	0	2
80	MP4A	Z	-5.93	2
81	MP4A	Mx	0	2
82	MP4A	X	0	4
83	MP4A	Z	-5.93	4
84	MP4A	Mx	0	4
85	MP4B	X	0	2
86	MP4B	Z	-2.322	2
87	MP4B	Mx	.001	2
88	MP4B	X	0	4
89	MP4B	Z	-2.322	4
90	MP4B	Mx	.001	4
91	MP4C	X	0	2
92	MP4C	Z	-5.93	2
93	MP4C	Mx	0	2
94	MP4C	X	0	4
95	MP4C	Z	-5.93	4
96	MP4C	Mx	0	4
97	MP1C	X	0	1
98	MP1C	Z	-4.719	1
99	MP1C	Mx	0	1
100	MP2A	X	0	1
101	MP2A	Z	-4.719	1
102	MP2A	Mx	0	1
103	MP2B	X	0	1
104	MP2B	Z	-3.154	1
105	MP2B	Mx	-.002	1
106	MP2C	X	0	1
107	MP2C	Z	-3.684	1
108	MP2C	Mx	0	1
109	MP3A	X	0	1
110	MP3A	Z	-3.684	1
111	MP3A	Mx	0	1
112	MP3B	X	0	1
113	MP3B	Z	-2.807	1
114	MP3B	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	5.677	1.5
2	MP1A	Z	-9.833	1.5
3	MP1A	Mx	-.004	1.5
4	MP1A	X	5.677	4.5
5	MP1A	Z	-9.833	4.5
6	MP1A	Mx	-.004	4.5
7	MP1B	X	5.789	1.5
8	MP1B	Z	-10.027	1.5
9	MP1B	Mx	.004	1.5
10	MP1B	X	5.789	4.5
11	MP1B	Z	-10.027	4.5
12	MP1B	Mx	.004	4.5
13	MP3C	X	5.981	1.5
14	MP3C	Z	-10.359	1.5
15	MP3C	Mx	.002	1.5
16	MP3C	X	5.981	4.5
17	MP3C	Z	-10.359	4.5
18	MP3C	Mx	.002	4.5
19	MP5A	X	5.677	1.5
20	MP5A	Z	-9.833	1.5
21	MP5A	Mx	-.004	1.5
22	MP5A	X	5.677	4.5
23	MP5A	Z	-9.833	4.5
24	MP5A	Mx	-.004	4.5
25	MP5B	X	5.789	1.5
26	MP5B	Z	-10.027	1.5
27	MP5B	Mx	.004	1.5
28	MP5B	X	5.789	4.5
29	MP5B	Z	-10.027	4.5
30	MP5B	Mx	.004	4.5
31	MP5C	X	5.981	1.5
32	MP5C	Z	-10.359	1.5
33	MP5C	Mx	.002	1.5
34	MP5C	X	5.981	4.5
35	MP5C	Z	-10.359	4.5
36	MP5C	Mx	.002	4.5
37	M108	X	3.945	1
38	M108	Z	-6.833	1
39	M108	Mx	0	1
40	M109	X	3.945	1
41	M109	Z	-6.833	1
42	M109	Mx	0	1
43	MP1C	X	6.04	1.5
44	MP1C	Z	-10.462	1.5
45	MP1C	Mx	.01	1.5
46	MP1C	X	6.04	4.5
47	MP1C	Z	-10.462	4.5
48	MP1C	Mx	.01	4.5
49	MP1C	X	6.04	1.5
50	MP1C	Z	-10.462	1.5
51	MP1C	Mx	-.006	1.5
52	MP1C	X	6.04	4.5
53	MP1C	Z	-10.462	4.5
54	MP1C	Mx	-.006	4.5
55	MP3A	X	5.827	1.5
56	MP3A	Z	-10.093	1.5
57	MP3A	Mx	-.01	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	5.827	4.5
59	MP3A	Z	-10.093	4.5
60	MP3A	Mx	-.01	4.5
61	MP3B	X	5.567	1.5
62	MP3B	Z	-9.642	1.5
63	MP3B	Mx	-.002	1.5
64	MP3B	X	5.567	4.5
65	MP3B	Z	-9.642	4.5
66	MP3B	Mx	-.002	4.5
67	MP3A	X	5.827	1.5
68	MP3A	Z	-10.093	1.5
69	MP3A	Mx	.004	1.5
70	MP3A	X	5.827	4.5
71	MP3A	Z	-10.093	4.5
72	MP3A	Mx	.004	4.5
73	MP3B	X	5.567	1.5
74	MP3B	Z	-9.642	1.5
75	MP3B	Mx	.009	1.5
76	MP3B	X	5.567	4.5
77	MP3B	Z	-9.642	4.5
78	MP3B	Mx	.009	4.5
79	MP4A	X	2.514	2
80	MP4A	Z	-4.355	2
81	MP4A	Mx	-.001	2
82	MP4A	X	2.514	4
83	MP4A	Z	-4.355	4
84	MP4A	Mx	-.001	4
85	MP4B	X	1.612	2
86	MP4B	Z	-2.792	2
87	MP4B	Mx	.001	2
88	MP4B	X	1.612	4
89	MP4B	Z	-2.792	4
90	MP4B	Mx	.001	4
91	MP4C	X	2.514	2
92	MP4C	Z	-4.355	2
93	MP4C	Mx	.001	2
94	MP4C	X	2.514	4
95	MP4C	Z	-4.355	4
96	MP4C	Mx	.001	4
97	MP1C	X	2.164	1
98	MP1C	Z	-3.748	1
99	MP1C	Mx	-.001	1
100	MP2A	X	2.164	1
101	MP2A	Z	-3.748	1
102	MP2A	Mx	.001	1
103	MP2B	X	1.773	1
104	MP2B	Z	-3.071	1
105	MP2B	Mx	-.002	1
106	MP2C	X	1.733	1
107	MP2C	Z	-3.001	1
108	MP2C	Mx	-.000866	1
109	MP3A	X	1.733	1
110	MP3A	Z	-3.001	1
111	MP3A	Mx	.000866	1
112	MP3B	X	1.513	1
113	MP3B	Z	-2.621	1
114	MP3B	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.404	1.5
2	MP1A	Z	-5.429	1.5
3	MP1A	Mx	-.005	1.5
4	MP1A	X	9.404	4.5
5	MP1A	Z	-5.429	4.5
6	MP1A	Mx	-.005	4.5
7	MP1B	X	10.456	1.5
8	MP1B	Z	-6.037	1.5
9	MP1B	Mx	.001	1.5
10	MP1B	X	10.456	4.5
11	MP1B	Z	-6.037	4.5
12	MP1B	Mx	.001	4.5
13	MP3C	X	9.833	1.5
14	MP3C	Z	-5.677	1.5
15	MP3C	Mx	.004	1.5
16	MP3C	X	9.833	4.5
17	MP3C	Z	-5.677	4.5
18	MP3C	Mx	.004	4.5
19	MP5A	X	9.404	1.5
20	MP5A	Z	-5.429	1.5
21	MP5A	Mx	-.005	1.5
22	MP5A	X	9.404	4.5
23	MP5A	Z	-5.429	4.5
24	MP5A	Mx	-.005	4.5
25	MP5B	X	10.456	1.5
26	MP5B	Z	-6.037	1.5
27	MP5B	Mx	.001	1.5
28	MP5B	X	10.456	4.5
29	MP5B	Z	-6.037	4.5
30	MP5B	Mx	.001	4.5
31	MP5C	X	9.833	1.5
32	MP5C	Z	-5.677	1.5
33	MP5C	Mx	.004	1.5
34	MP5C	X	9.833	4.5
35	MP5C	Z	-5.677	4.5
36	MP5C	Mx	.004	4.5
37	M108	X	7.015	1
38	M108	Z	-4.05	1
39	M108	Mx	0	1
40	M109	X	7.015	1
41	M109	Z	-4.05	1
42	M109	Mx	0	1
43	MP1C	X	9.162	1.5
44	MP1C	Z	-5.289	1.5
45	MP1C	Mx	.009	1.5
46	MP1C	X	9.162	4.5
47	MP1C	Z	-5.289	4.5
48	MP1C	Mx	.009	4.5
49	MP1C	X	9.162	1.5
50	MP1C	Z	-5.289	1.5
51	MP1C	Mx	-.000481	1.5
52	MP1C	X	9.162	4.5
53	MP1C	Z	-5.289	4.5
54	MP1C	Mx	-.000481	4.5
55	MP3A	X	8.71	1.5
56	MP3A	Z	-5.029	1.5
57	MP3A	Mx	-.008	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	8.71	4.5
59	MP3A	Z	-5.029	4.5
60	MP3A	Mx	-.008	4.5
61	MP3B	X	10.702	1.5
62	MP3B	Z	-6.179	1.5
63	MP3B	Mx	-.007	1.5
64	MP3B	X	10.702	4.5
65	MP3B	Z	-6.179	4.5
66	MP3B	Mx	-.007	4.5
67	MP3A	X	8.71	1.5
68	MP3A	Z	-5.029	1.5
69	MP3A	Mx	-.001	1.5
70	MP3A	X	8.71	4.5
71	MP3A	Z	-5.029	4.5
72	MP3A	Mx	-.001	4.5
73	MP3B	X	10.702	1.5
74	MP3B	Z	-6.179	1.5
75	MP3B	Mx	.009	1.5
76	MP3B	X	10.702	4.5
77	MP3B	Z	-6.179	4.5
78	MP3B	Mx	.009	4.5
79	MP4A	X	2.792	2
80	MP4A	Z	-1.612	2
81	MP4A	Mx	-.001	2
82	MP4A	X	2.792	4
83	MP4A	Z	-1.612	4
84	MP4A	Mx	-.001	4
85	MP4B	X	4.355	2
86	MP4B	Z	-2.514	2
87	MP4B	Mx	.001	2
88	MP4B	X	4.355	4
89	MP4B	Z	-2.514	4
90	MP4B	Mx	.001	4
91	MP4C	X	2.792	2
92	MP4C	Z	-1.612	2
93	MP4C	Mx	.001	2
94	MP4C	X	2.792	4
95	MP4C	Z	-1.612	4
96	MP4C	Mx	.001	4
97	MP1C	X	3.071	1
98	MP1C	Z	-1.773	1
99	MP1C	Mx	-.002	1
100	MP2A	X	3.071	1
101	MP2A	Z	-1.773	1
102	MP2A	Mx	.002	1
103	MP2B	X	3.748	1
104	MP2B	Z	-2.164	1
105	MP2B	Mx	-.001	1
106	MP2C	X	2.621	1
107	MP2C	Z	-1.513	1
108	MP2C	Mx	-.001	1
109	MP3A	X	2.621	1
110	MP3A	Z	-1.513	1
111	MP3A	Mx	.001	1
112	MP3B	X	3.001	1
113	MP3B	Z	-1.733	1
114	MP3B	Mx	-.000866	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	10.971	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.005	1.5
4	MP1A	X	10.971	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	-.005	4.5
7	MP1B	X	11.962	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.002	1.5
10	MP1B	X	11.962	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	-.002	4.5
13	MP3C	X	10.858	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	.005	1.5
16	MP3C	X	10.858	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	.005	4.5
19	MP5A	X	10.971	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	-.005	1.5
22	MP5A	X	10.971	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	-.005	4.5
25	MP5B	X	11.962	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	-.002	1.5
28	MP5B	X	11.962	4.5
29	MP5B	Z	0	4.5
30	MP5B	Mx	-.002	4.5
31	MP5C	X	10.858	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	.005	1.5
34	MP5C	X	10.858	4.5
35	MP5C	Z	0	4.5
36	MP5C	Mx	.005	4.5
37	M108	X	9.242	1
38	M108	Z	0	1
39	M108	Mx	0	1
40	M109	X	9.242	1
41	M109	Z	0	1
42	M109	Mx	0	1
43	MP1C	X	9.355	1.5
44	MP1C	Z	0	1.5
45	MP1C	Mx	.006	1.5
46	MP1C	X	9.355	4.5
47	MP1C	Z	0	4.5
48	MP1C	Mx	.006	4.5
49	MP1C	X	9.355	1.5
50	MP1C	Z	0	1.5
51	MP1C	Mx	.004	1.5
52	MP1C	X	9.355	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	.004	4.5
55	MP3A	X	9.259	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	-.005	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	9.259	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	-.005	4.5
61	MP3B	X	12.08	1.5
62	MP3B	Z	0	1.5
63	MP3B	Mx	-.01	1.5
64	MP3B	X	12.08	4.5
65	MP3B	Z	0	4.5
66	MP3B	Mx	-.01	4.5
67	MP3A	X	9.259	1.5
68	MP3A	Z	0	1.5
69	MP3A	Mx	-.005	1.5
70	MP3A	X	9.259	4.5
71	MP3A	Z	0	4.5
72	MP3A	Mx	-.005	4.5
73	MP3B	X	12.08	1.5
74	MP3B	Z	0	1.5
75	MP3B	Mx	.006	1.5
76	MP3B	X	12.08	4.5
77	MP3B	Z	0	4.5
78	MP3B	Mx	.006	4.5
79	MP4A	X	2.322	2
80	MP4A	Z	0	2
81	MP4A	Mx	-.001	2
82	MP4A	X	2.322	4
83	MP4A	Z	0	4
84	MP4A	Mx	-.001	4
85	MP4B	X	5.93	2
86	MP4B	Z	0	2
87	MP4B	Mx	0	2
88	MP4B	X	5.93	4
89	MP4B	Z	0	4
90	MP4B	Mx	0	4
91	MP4C	X	2.322	2
92	MP4C	Z	0	2
93	MP4C	Mx	.001	2
94	MP4C	X	2.322	4
95	MP4C	Z	0	4
96	MP4C	Mx	.001	4
97	MP1C	X	3.154	1
98	MP1C	Z	0	1
99	MP1C	Mx	-.002	1
100	MP2A	X	3.154	1
101	MP2A	Z	0	1
102	MP2A	Mx	.002	1
103	MP2B	X	4.719	1
104	MP2B	Z	0	1
105	MP2B	Mx	0	1
106	MP2C	X	2.807	1
107	MP2C	Z	0	1
108	MP2C	Mx	-.001	1
109	MP3A	X	2.807	1
110	MP3A	Z	0	1
111	MP3A	Mx	.001	1
112	MP3B	X	3.684	1
113	MP3B	Z	0	1
114	MP3B	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	10.027	1.5
2	MP1A	Z	5.789	1.5
3	MP1A	Mx	-.004	1.5
4	MP1A	X	10.027	4.5
5	MP1A	Z	5.789	4.5
6	MP1A	Mx	-.004	4.5
7	MP1B	X	9.833	1.5
8	MP1B	Z	5.677	1.5
9	MP1B	Mx	-.004	1.5
10	MP1B	X	9.833	4.5
11	MP1B	Z	5.677	4.5
12	MP1B	Mx	-.004	4.5
13	MP3C	X	9.501	1.5
14	MP3C	Z	5.485	1.5
15	MP3C	Mx	.005	1.5
16	MP3C	X	9.501	4.5
17	MP3C	Z	5.485	4.5
18	MP3C	Mx	.005	4.5
19	MP5A	X	10.027	1.5
20	MP5A	Z	5.789	1.5
21	MP5A	Mx	-.004	1.5
22	MP5A	X	10.027	4.5
23	MP5A	Z	5.789	4.5
24	MP5A	Mx	-.004	4.5
25	MP5B	X	9.833	1.5
26	MP5B	Z	5.677	1.5
27	MP5B	Mx	-.004	1.5
28	MP5B	X	9.833	4.5
29	MP5B	Z	5.677	4.5
30	MP5B	Mx	-.004	4.5
31	MP5C	X	9.501	1.5
32	MP5C	Z	5.485	1.5
33	MP5C	Mx	.005	1.5
34	MP5C	X	9.501	4.5
35	MP5C	Z	5.485	4.5
36	MP5C	Mx	.005	4.5
37	M108	X	8.809	1
38	M108	Z	5.086	1
39	M108	Mx	0	1
40	M109	X	8.809	1
41	M109	Z	5.086	1
42	M109	Mx	0	1
43	MP1C	X	8.342	1.5
44	MP1C	Z	4.816	1.5
45	MP1C	Mx	.002	1.5
46	MP1C	X	8.342	4.5
47	MP1C	Z	4.816	4.5
48	MP1C	Mx	.002	4.5
49	MP1C	X	8.342	1.5
50	MP1C	Z	4.816	1.5
51	MP1C	Mx	.007	1.5
52	MP1C	X	8.342	4.5
53	MP1C	Z	4.816	4.5
54	MP1C	Mx	.007	4.5
55	MP3A	X	8.71	1.5
56	MP3A	Z	5.029	1.5
57	MP3A	Mx	-.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	8.71	4.5
59	MP3A	Z	5.029	4.5
60	MP3A	Mx	-.001	4.5
61	MP3B	X	9.162	1.5
62	MP3B	Z	5.289	1.5
63	MP3B	Mx	-.009	1.5
64	MP3B	X	9.162	4.5
65	MP3B	Z	5.289	4.5
66	MP3B	Mx	-.009	4.5
67	MP3A	X	8.71	1.5
68	MP3A	Z	5.029	1.5
69	MP3A	Mx	-.008	1.5
70	MP3A	X	8.71	4.5
71	MP3A	Z	5.029	4.5
72	MP3A	Mx	-.008	4.5
73	MP3B	X	9.162	1.5
74	MP3B	Z	5.289	1.5
75	MP3B	Mx	.000482	1.5
76	MP3B	X	9.162	4.5
77	MP3B	Z	5.289	4.5
78	MP3B	Mx	.000482	4.5
79	MP4A	X	2.792	2
80	MP4A	Z	1.612	2
81	MP4A	Mx	-.001	2
82	MP4A	X	2.792	4
83	MP4A	Z	1.612	4
84	MP4A	Mx	-.001	4
85	MP4B	X	4.355	2
86	MP4B	Z	2.514	2
87	MP4B	Mx	-.001	2
88	MP4B	X	4.355	4
89	MP4B	Z	2.514	4
90	MP4B	Mx	-.001	4
91	MP4C	X	2.792	2
92	MP4C	Z	1.612	2
93	MP4C	Mx	.001	2
94	MP4C	X	2.792	4
95	MP4C	Z	1.612	4
96	MP4C	Mx	.001	4
97	MP1C	X	3.071	1
98	MP1C	Z	1.773	1
99	MP1C	Mx	-.002	1
100	MP2A	X	3.071	1
101	MP2A	Z	1.773	1
102	MP2A	Mx	.002	1
103	MP2B	X	3.748	1
104	MP2B	Z	2.164	1
105	MP2B	Mx	.001	1
106	MP2C	X	2.621	1
107	MP2C	Z	1.513	1
108	MP2C	Mx	-.001	1
109	MP3A	X	2.621	1
110	MP3A	Z	1.513	1
111	MP3A	Mx	.001	1
112	MP3B	X	3.001	1
113	MP3B	Z	1.733	1
114	MP3B	Mx	.000866	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	6.037	1.5
2	MP1A	Z	10.456	1.5
3	MP1A	Mx	-.001	1.5
4	MP1A	X	6.037	4.5
5	MP1A	Z	10.456	4.5
6	MP1A	Mx	-.001	4.5
7	MP1B	X	5.429	1.5
8	MP1B	Z	9.404	1.5
9	MP1B	Mx	-.005	1.5
10	MP1B	X	5.429	4.5
11	MP1B	Z	9.404	4.5
12	MP1B	Mx	-.005	4.5
13	MP3C	X	5.789	1.5
14	MP3C	Z	10.027	1.5
15	MP3C	Mx	.004	1.5
16	MP3C	X	5.789	4.5
17	MP3C	Z	10.027	4.5
18	MP3C	Mx	.004	4.5
19	MP5A	X	6.037	1.5
20	MP5A	Z	10.456	1.5
21	MP5A	Mx	-.001	1.5
22	MP5A	X	6.037	4.5
23	MP5A	Z	10.456	4.5
24	MP5A	Mx	-.001	4.5
25	MP5B	X	5.429	1.5
26	MP5B	Z	9.404	1.5
27	MP5B	Mx	-.005	1.5
28	MP5B	X	5.429	4.5
29	MP5B	Z	9.404	4.5
30	MP5B	Mx	-.005	4.5
31	MP5C	X	5.789	1.5
32	MP5C	Z	10.027	1.5
33	MP5C	Mx	.004	1.5
34	MP5C	X	5.789	4.5
35	MP5C	Z	10.027	4.5
36	MP5C	Mx	.004	4.5
37	M108	X	4.981	1
38	M108	Z	8.627	1
39	M108	Mx	0	1
40	M109	X	4.981	1
41	M109	Z	8.627	1
42	M109	Mx	0	1
43	MP1C	X	5.567	1.5
44	MP1C	Z	9.642	1.5
45	MP1C	Mx	-.002	1.5
46	MP1C	X	5.567	4.5
47	MP1C	Z	9.642	4.5
48	MP1C	Mx	-.002	4.5
49	MP1C	X	5.567	1.5
50	MP1C	Z	9.642	1.5
51	MP1C	Mx	.009	1.5
52	MP1C	X	5.567	4.5
53	MP1C	Z	9.642	4.5
54	MP1C	Mx	.009	4.5
55	MP3A	X	5.827	1.5
56	MP3A	Z	10.093	1.5
57	MP3A	Mx	.004	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	5.827	4.5
59	MP3A	Z	10.093	4.5
60	MP3A	Mx	.004	4.5
61	MP3B	X	4.678	1.5
62	MP3B	Z	8.102	1.5
63	MP3B	Mx	-.006	1.5
64	MP3B	X	4.678	4.5
65	MP3B	Z	8.102	4.5
66	MP3B	Mx	-.006	4.5
67	MP3A	X	5.827	1.5
68	MP3A	Z	10.093	1.5
69	MP3A	Mx	-.01	1.5
70	MP3A	X	5.827	4.5
71	MP3A	Z	10.093	4.5
72	MP3A	Mx	-.01	4.5
73	MP3B	X	4.678	1.5
74	MP3B	Z	8.102	1.5
75	MP3B	Mx	-.004	1.5
76	MP3B	X	4.678	4.5
77	MP3B	Z	8.102	4.5
78	MP3B	Mx	-.004	4.5
79	MP4A	X	2.514	2
80	MP4A	Z	4.355	2
81	MP4A	Mx	-.001	2
82	MP4A	X	2.514	4
83	MP4A	Z	4.355	4
84	MP4A	Mx	-.001	4
85	MP4B	X	1.612	2
86	MP4B	Z	2.792	2
87	MP4B	Mx	-.001	2
88	MP4B	X	1.612	4
89	MP4B	Z	2.792	4
90	MP4B	Mx	-.001	4
91	MP4C	X	2.514	2
92	MP4C	Z	4.355	2
93	MP4C	Mx	.001	2
94	MP4C	X	2.514	4
95	MP4C	Z	4.355	4
96	MP4C	Mx	.001	4
97	MP1C	X	2.164	1
98	MP1C	Z	3.748	1
99	MP1C	Mx	-.001	1
100	MP2A	X	2.164	1
101	MP2A	Z	3.748	1
102	MP2A	Mx	.001	1
103	MP2B	X	1.773	1
104	MP2B	Z	3.071	1
105	MP2B	Mx	.002	1
106	MP2C	X	1.733	1
107	MP2C	Z	3.001	1
108	MP2C	Mx	-.000866	1
109	MP3A	X	1.733	1
110	MP3A	Z	3.001	1
111	MP3A	Mx	.000866	1
112	MP3B	X	1.513	1
113	MP3B	Z	2.621	1
114	MP3B	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	11.962	1.5
3	MP1A	Mx	.002	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	11.962	4.5
6	MP1A	Mx	.002	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	10.971	1.5
9	MP1B	Mx	-.005	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	10.971	4.5
12	MP1B	Mx	-.005	4.5
13	MP3C	X	0	1.5
14	MP3C	Z	12.074	1.5
15	MP3C	Mx	.001	1.5
16	MP3C	X	0	4.5
17	MP3C	Z	12.074	4.5
18	MP3C	Mx	.001	4.5
19	MP5A	X	0	1.5
20	MP5A	Z	11.962	1.5
21	MP5A	Mx	.002	1.5
22	MP5A	X	0	4.5
23	MP5A	Z	11.962	4.5
24	MP5A	Mx	.002	4.5
25	MP5B	X	0	1.5
26	MP5B	Z	10.971	1.5
27	MP5B	Mx	-.005	1.5
28	MP5B	X	0	4.5
29	MP5B	Z	10.971	4.5
30	MP5B	Mx	-.005	4.5
31	MP5C	X	0	1.5
32	MP5C	Z	12.074	1.5
33	MP5C	Mx	.001	1.5
34	MP5C	X	0	4.5
35	MP5C	Z	12.074	4.5
36	MP5C	Mx	.001	4.5
37	M108	X	0	1
38	M108	Z	8.82	1
39	M108	Mx	0	1
40	M109	X	0	1
41	M109	Z	8.82	1
42	M109	Mx	0	1
43	MP1C	X	0	1.5
44	MP1C	Z	12.357	1.5
45	MP1C	Mx	-.007	1.5
46	MP1C	X	0	4.5
47	MP1C	Z	12.357	4.5
48	MP1C	Mx	-.007	4.5
49	MP1C	X	0	1.5
50	MP1C	Z	12.357	1.5
51	MP1C	Mx	.009	1.5
52	MP1C	X	0	4.5
53	MP1C	Z	12.357	4.5
54	MP1C	Mx	.009	4.5
55	MP3A	X	0	1.5
56	MP3A	Z	12.454	1.5
57	MP3A	Mx	.008	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	0	4.5
59	MP3A	Z	12.454	4.5
60	MP3A	Mx	.008	4.5
61	MP3B	X	0	1.5
62	MP3B	Z	9.633	1.5
63	MP3B	Mx	-.002	1.5
64	MP3B	X	0	4.5
65	MP3B	Z	9.633	4.5
66	MP3B	Mx	-.002	4.5
67	MP3A	X	0	1.5
68	MP3A	Z	12.454	1.5
69	MP3A	Mx	-.008	1.5
70	MP3A	X	0	4.5
71	MP3A	Z	12.454	4.5
72	MP3A	Mx	-.008	4.5
73	MP3B	X	0	1.5
74	MP3B	Z	9.633	1.5
75	MP3B	Mx	-.007	1.5
76	MP3B	X	0	4.5
77	MP3B	Z	9.633	4.5
78	MP3B	Mx	-.007	4.5
79	MP4A	X	0	2
80	MP4A	Z	5.93	2
81	MP4A	Mx	0	2
82	MP4A	X	0	4
83	MP4A	Z	5.93	4
84	MP4A	Mx	0	4
85	MP4B	X	0	2
86	MP4B	Z	2.322	2
87	MP4B	Mx	-.001	2
88	MP4B	X	0	4
89	MP4B	Z	2.322	4
90	MP4B	Mx	-.001	4
91	MP4C	X	0	2
92	MP4C	Z	5.93	2
93	MP4C	Mx	0	2
94	MP4C	X	0	4
95	MP4C	Z	5.93	4
96	MP4C	Mx	0	4
97	MP1C	X	0	1
98	MP1C	Z	4.719	1
99	MP1C	Mx	0	1
100	MP2A	X	0	1
101	MP2A	Z	4.719	1
102	MP2A	Mx	0	1
103	MP2B	X	0	1
104	MP2B	Z	3.154	1
105	MP2B	Mx	.002	1
106	MP2C	X	0	1
107	MP2C	Z	3.684	1
108	MP2C	Mx	0	1
109	MP3A	X	0	1
110	MP3A	Z	3.684	1
111	MP3A	Mx	0	1
112	MP3B	X	0	1
113	MP3B	Z	2.807	1
114	MP3B	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-5.677	1.5
2	MP1A	Z	9.833	1.5
3	MP1A	Mx	.004	1.5
4	MP1A	X	-5.677	4.5
5	MP1A	Z	9.833	4.5
6	MP1A	Mx	.004	4.5
7	MP1B	X	-5.789	1.5
8	MP1B	Z	10.027	1.5
9	MP1B	Mx	-.004	1.5
10	MP1B	X	-5.789	4.5
11	MP1B	Z	10.027	4.5
12	MP1B	Mx	-.004	4.5
13	MP3C	X	-5.981	1.5
14	MP3C	Z	10.359	1.5
15	MP3C	Mx	-.002	1.5
16	MP3C	X	-5.981	4.5
17	MP3C	Z	10.359	4.5
18	MP3C	Mx	-.002	4.5
19	MP5A	X	-5.677	1.5
20	MP5A	Z	9.833	1.5
21	MP5A	Mx	.004	1.5
22	MP5A	X	-5.677	4.5
23	MP5A	Z	9.833	4.5
24	MP5A	Mx	.004	4.5
25	MP5B	X	-5.789	1.5
26	MP5B	Z	10.027	1.5
27	MP5B	Mx	-.004	1.5
28	MP5B	X	-5.789	4.5
29	MP5B	Z	10.027	4.5
30	MP5B	Mx	-.004	4.5
31	MP5C	X	-5.981	1.5
32	MP5C	Z	10.359	1.5
33	MP5C	Mx	-.002	1.5
34	MP5C	X	-5.981	4.5
35	MP5C	Z	10.359	4.5
36	MP5C	Mx	-.002	4.5
37	M108	X	-3.945	1
38	M108	Z	6.833	1
39	M108	Mx	0	1
40	M109	X	-3.945	1
41	M109	Z	6.833	1
42	M109	Mx	0	1
43	MP1C	X	-6.04	1.5
44	MP1C	Z	10.462	1.5
45	MP1C	Mx	-.01	1.5
46	MP1C	X	-6.04	4.5
47	MP1C	Z	10.462	4.5
48	MP1C	Mx	-.01	4.5
49	MP1C	X	-6.04	1.5
50	MP1C	Z	10.462	1.5
51	MP1C	Mx	.006	1.5
52	MP1C	X	-6.04	4.5
53	MP1C	Z	10.462	4.5
54	MP1C	Mx	.006	4.5
55	MP3A	X	-5.827	1.5
56	MP3A	Z	10.093	1.5
57	MP3A	Mx	.01	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-5.827	4.5
59	MP3A	Z	10.093	4.5
60	MP3A	Mx	.01	4.5
61	MP3B	X	-5.567	1.5
62	MP3B	Z	9.642	1.5
63	MP3B	Mx	.002	1.5
64	MP3B	X	-5.567	4.5
65	MP3B	Z	9.642	4.5
66	MP3B	Mx	.002	4.5
67	MP3A	X	-5.827	1.5
68	MP3A	Z	10.093	1.5
69	MP3A	Mx	-.004	1.5
70	MP3A	X	-5.827	4.5
71	MP3A	Z	10.093	4.5
72	MP3A	Mx	-.004	4.5
73	MP3B	X	-5.567	1.5
74	MP3B	Z	9.642	1.5
75	MP3B	Mx	-.009	1.5
76	MP3B	X	-5.567	4.5
77	MP3B	Z	9.642	4.5
78	MP3B	Mx	-.009	4.5
79	MP4A	X	-2.514	2
80	MP4A	Z	4.355	2
81	MP4A	Mx	.001	2
82	MP4A	X	-2.514	4
83	MP4A	Z	4.355	4
84	MP4A	Mx	.001	4
85	MP4B	X	-1.612	2
86	MP4B	Z	2.792	2
87	MP4B	Mx	-.001	2
88	MP4B	X	-1.612	4
89	MP4B	Z	2.792	4
90	MP4B	Mx	-.001	4
91	MP4C	X	-2.514	2
92	MP4C	Z	4.355	2
93	MP4C	Mx	-.001	2
94	MP4C	X	-2.514	4
95	MP4C	Z	4.355	4
96	MP4C	Mx	-.001	4
97	MP1C	X	-2.164	1
98	MP1C	Z	3.748	1
99	MP1C	Mx	.001	1
100	MP2A	X	-2.164	1
101	MP2A	Z	3.748	1
102	MP2A	Mx	-.001	1
103	MP2B	X	-1.773	1
104	MP2B	Z	3.071	1
105	MP2B	Mx	.002	1
106	MP2C	X	-1.733	1
107	MP2C	Z	3.001	1
108	MP2C	Mx	.000866	1
109	MP3A	X	-1.733	1
110	MP3A	Z	3.001	1
111	MP3A	Mx	-.000866	1
112	MP3B	X	-1.513	1
113	MP3B	Z	2.621	1
114	MP3B	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.404	1.5
2	MP1A	Z	5.429	1.5
3	MP1A	Mx	.005	1.5
4	MP1A	X	-9.404	4.5
5	MP1A	Z	5.429	4.5
6	MP1A	Mx	.005	4.5
7	MP1B	X	-10.456	1.5
8	MP1B	Z	6.037	1.5
9	MP1B	Mx	-.001	1.5
10	MP1B	X	-10.456	4.5
11	MP1B	Z	6.037	4.5
12	MP1B	Mx	-.001	4.5
13	MP3C	X	-9.833	1.5
14	MP3C	Z	5.677	1.5
15	MP3C	Mx	-.004	1.5
16	MP3C	X	-9.833	4.5
17	MP3C	Z	5.677	4.5
18	MP3C	Mx	-.004	4.5
19	MP5A	X	-9.404	1.5
20	MP5A	Z	5.429	1.5
21	MP5A	Mx	.005	1.5
22	MP5A	X	-9.404	4.5
23	MP5A	Z	5.429	4.5
24	MP5A	Mx	.005	4.5
25	MP5B	X	-10.456	1.5
26	MP5B	Z	6.037	1.5
27	MP5B	Mx	-.001	1.5
28	MP5B	X	-10.456	4.5
29	MP5B	Z	6.037	4.5
30	MP5B	Mx	-.001	4.5
31	MP5C	X	-9.833	1.5
32	MP5C	Z	5.677	1.5
33	MP5C	Mx	-.004	1.5
34	MP5C	X	-9.833	4.5
35	MP5C	Z	5.677	4.5
36	MP5C	Mx	-.004	4.5
37	M108	X	-7.015	1
38	M108	Z	4.05	1
39	M108	Mx	0	1
40	M109	X	-7.015	1
41	M109	Z	4.05	1
42	M109	Mx	0	1
43	MP1C	X	-9.162	1.5
44	MP1C	Z	5.289	1.5
45	MP1C	Mx	-.009	1.5
46	MP1C	X	-9.162	4.5
47	MP1C	Z	5.289	4.5
48	MP1C	Mx	-.009	4.5
49	MP1C	X	-9.162	1.5
50	MP1C	Z	5.289	1.5
51	MP1C	Mx	.000481	1.5
52	MP1C	X	-9.162	4.5
53	MP1C	Z	5.289	4.5
54	MP1C	Mx	.000481	4.5
55	MP3A	X	-8.71	1.5
56	MP3A	Z	5.029	1.5
57	MP3A	Mx	.008	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-8.71	4.5
59	MP3A	Z	5.029	4.5
60	MP3A	Mx	.008	4.5
61	MP3B	X	-10.702	1.5
62	MP3B	Z	6.179	1.5
63	MP3B	Mx	.007	1.5
64	MP3B	X	-10.702	4.5
65	MP3B	Z	6.179	4.5
66	MP3B	Mx	.007	4.5
67	MP3A	X	-8.71	1.5
68	MP3A	Z	5.029	1.5
69	MP3A	Mx	.001	1.5
70	MP3A	X	-8.71	4.5
71	MP3A	Z	5.029	4.5
72	MP3A	Mx	.001	4.5
73	MP3B	X	-10.702	1.5
74	MP3B	Z	6.179	1.5
75	MP3B	Mx	-.009	1.5
76	MP3B	X	-10.702	4.5
77	MP3B	Z	6.179	4.5
78	MP3B	Mx	-.009	4.5
79	MP4A	X	-2.792	2
80	MP4A	Z	1.612	2
81	MP4A	Mx	.001	2
82	MP4A	X	-2.792	4
83	MP4A	Z	1.612	4
84	MP4A	Mx	.001	4
85	MP4B	X	-4.355	2
86	MP4B	Z	2.514	2
87	MP4B	Mx	-.001	2
88	MP4B	X	-4.355	4
89	MP4B	Z	2.514	4
90	MP4B	Mx	-.001	4
91	MP4C	X	-2.792	2
92	MP4C	Z	1.612	2
93	MP4C	Mx	-.001	2
94	MP4C	X	-2.792	4
95	MP4C	Z	1.612	4
96	MP4C	Mx	-.001	4
97	MP1C	X	-3.071	1
98	MP1C	Z	1.773	1
99	MP1C	Mx	.002	1
100	MP2A	X	-3.071	1
101	MP2A	Z	1.773	1
102	MP2A	Mx	-.002	1
103	MP2B	X	-3.748	1
104	MP2B	Z	2.164	1
105	MP2B	Mx	.001	1
106	MP2C	X	-2.621	1
107	MP2C	Z	1.513	1
108	MP2C	Mx	.001	1
109	MP3A	X	-2.621	1
110	MP3A	Z	1.513	1
111	MP3A	Mx	-.001	1
112	MP3B	X	-3.001	1
113	MP3B	Z	1.733	1
114	MP3B	Mx	.000866	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-10.971	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.005	1.5
4	MP1A	X	-10.971	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	.005	4.5
7	MP1B	X	-11.962	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.002	1.5
10	MP1B	X	-11.962	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	.002	4.5
13	MP3C	X	-10.858	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	-.005	1.5
16	MP3C	X	-10.858	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	-.005	4.5
19	MP5A	X	-10.971	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	.005	1.5
22	MP5A	X	-10.971	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	.005	4.5
25	MP5B	X	-11.962	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	.002	1.5
28	MP5B	X	-11.962	4.5
29	MP5B	Z	0	4.5
30	MP5B	Mx	.002	4.5
31	MP5C	X	-10.858	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	-.005	1.5
34	MP5C	X	-10.858	4.5
35	MP5C	Z	0	4.5
36	MP5C	Mx	-.005	4.5
37	M108	X	-9.242	1
38	M108	Z	0	1
39	M108	Mx	0	1
40	M109	X	-9.242	1
41	M109	Z	0	1
42	M109	Mx	0	1
43	MP1C	X	-9.355	1.5
44	MP1C	Z	0	1.5
45	MP1C	Mx	-.006	1.5
46	MP1C	X	-9.355	4.5
47	MP1C	Z	0	4.5
48	MP1C	Mx	-.006	4.5
49	MP1C	X	-9.355	1.5
50	MP1C	Z	0	1.5
51	MP1C	Mx	-.004	1.5
52	MP1C	X	-9.355	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	-.004	4.5
55	MP3A	X	-9.259	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	.005	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-9.259	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	.005	4.5
61	MP3B	X	-12.08	1.5
62	MP3B	Z	0	1.5
63	MP3B	Mx	.01	1.5
64	MP3B	X	-12.08	4.5
65	MP3B	Z	0	4.5
66	MP3B	Mx	.01	4.5
67	MP3A	X	-9.259	1.5
68	MP3A	Z	0	1.5
69	MP3A	Mx	.005	1.5
70	MP3A	X	-9.259	4.5
71	MP3A	Z	0	4.5
72	MP3A	Mx	.005	4.5
73	MP3B	X	-12.08	1.5
74	MP3B	Z	0	1.5
75	MP3B	Mx	-.006	1.5
76	MP3B	X	-12.08	4.5
77	MP3B	Z	0	4.5
78	MP3B	Mx	-.006	4.5
79	MP4A	X	-2.322	2
80	MP4A	Z	0	2
81	MP4A	Mx	.001	2
82	MP4A	X	-2.322	4
83	MP4A	Z	0	4
84	MP4A	Mx	.001	4
85	MP4B	X	-5.93	2
86	MP4B	Z	0	2
87	MP4B	Mx	0	2
88	MP4B	X	-5.93	4
89	MP4B	Z	0	4
90	MP4B	Mx	0	4
91	MP4C	X	-2.322	2
92	MP4C	Z	0	2
93	MP4C	Mx	-.001	2
94	MP4C	X	-2.322	4
95	MP4C	Z	0	4
96	MP4C	Mx	-.001	4
97	MP1C	X	-3.154	1
98	MP1C	Z	0	1
99	MP1C	Mx	.002	1
100	MP2A	X	-3.154	1
101	MP2A	Z	0	1
102	MP2A	Mx	-.002	1
103	MP2B	X	-4.719	1
104	MP2B	Z	0	1
105	MP2B	Mx	0	1
106	MP2C	X	-2.807	1
107	MP2C	Z	0	1
108	MP2C	Mx	.001	1
109	MP3A	X	-2.807	1
110	MP3A	Z	0	1
111	MP3A	Mx	-.001	1
112	MP3B	X	-3.684	1
113	MP3B	Z	0	1
114	MP3B	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-10.027	1.5
2	MP1A	Z	-5.789	1.5
3	MP1A	Mx	.004	1.5
4	MP1A	X	-10.027	4.5
5	MP1A	Z	-5.789	4.5
6	MP1A	Mx	.004	4.5
7	MP1B	X	-9.833	1.5
8	MP1B	Z	-5.677	1.5
9	MP1B	Mx	.004	1.5
10	MP1B	X	-9.833	4.5
11	MP1B	Z	-5.677	4.5
12	MP1B	Mx	.004	4.5
13	MP3C	X	-9.501	1.5
14	MP3C	Z	-5.485	1.5
15	MP3C	Mx	-.005	1.5
16	MP3C	X	-9.501	4.5
17	MP3C	Z	-5.485	4.5
18	MP3C	Mx	-.005	4.5
19	MP5A	X	-10.027	1.5
20	MP5A	Z	-5.789	1.5
21	MP5A	Mx	.004	1.5
22	MP5A	X	-10.027	4.5
23	MP5A	Z	-5.789	4.5
24	MP5A	Mx	.004	4.5
25	MP5B	X	-9.833	1.5
26	MP5B	Z	-5.677	1.5
27	MP5B	Mx	.004	1.5
28	MP5B	X	-9.833	4.5
29	MP5B	Z	-5.677	4.5
30	MP5B	Mx	.004	4.5
31	MP5C	X	-9.501	1.5
32	MP5C	Z	-5.485	1.5
33	MP5C	Mx	-.005	1.5
34	MP5C	X	-9.501	4.5
35	MP5C	Z	-5.485	4.5
36	MP5C	Mx	-.005	4.5
37	M108	X	-8.809	1
38	M108	Z	-5.086	1
39	M108	Mx	0	1
40	M109	X	-8.809	1
41	M109	Z	-5.086	1
42	M109	Mx	0	1
43	MP1C	X	-8.342	1.5
44	MP1C	Z	-4.816	1.5
45	MP1C	Mx	-.002	1.5
46	MP1C	X	-8.342	4.5
47	MP1C	Z	-4.816	4.5
48	MP1C	Mx	-.002	4.5
49	MP1C	X	-8.342	1.5
50	MP1C	Z	-4.816	1.5
51	MP1C	Mx	-.007	1.5
52	MP1C	X	-8.342	4.5
53	MP1C	Z	-4.816	4.5
54	MP1C	Mx	-.007	4.5
55	MP3A	X	-8.71	1.5
56	MP3A	Z	-5.029	1.5
57	MP3A	Mx	.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-8.71	4.5
59	MP3A	Z	-5.029	4.5
60	MP3A	Mx	.001	4.5
61	MP3B	X	-9.162	1.5
62	MP3B	Z	-5.289	1.5
63	MP3B	Mx	.009	1.5
64	MP3B	X	-9.162	4.5
65	MP3B	Z	-5.289	4.5
66	MP3B	Mx	.009	4.5
67	MP3A	X	-8.71	1.5
68	MP3A	Z	-5.029	1.5
69	MP3A	Mx	.008	1.5
70	MP3A	X	-8.71	4.5
71	MP3A	Z	-5.029	4.5
72	MP3A	Mx	.008	4.5
73	MP3B	X	-9.162	1.5
74	MP3B	Z	-5.289	1.5
75	MP3B	Mx	-.000482	1.5
76	MP3B	X	-9.162	4.5
77	MP3B	Z	-5.289	4.5
78	MP3B	Mx	-.000482	4.5
79	MP4A	X	-2.792	2
80	MP4A	Z	-1.612	2
81	MP4A	Mx	.001	2
82	MP4A	X	-2.792	4
83	MP4A	Z	-1.612	4
84	MP4A	Mx	.001	4
85	MP4B	X	-4.355	2
86	MP4B	Z	-2.514	2
87	MP4B	Mx	.001	2
88	MP4B	X	-4.355	4
89	MP4B	Z	-2.514	4
90	MP4B	Mx	.001	4
91	MP4C	X	-2.792	2
92	MP4C	Z	-1.612	2
93	MP4C	Mx	-.001	2
94	MP4C	X	-2.792	4
95	MP4C	Z	-1.612	4
96	MP4C	Mx	-.001	4
97	MP1C	X	-3.071	1
98	MP1C	Z	-1.773	1
99	MP1C	Mx	.002	1
100	MP2A	X	-3.071	1
101	MP2A	Z	-1.773	1
102	MP2A	Mx	-.002	1
103	MP2B	X	-3.748	1
104	MP2B	Z	-2.164	1
105	MP2B	Mx	-.001	1
106	MP2C	X	-2.621	1
107	MP2C	Z	-1.513	1
108	MP2C	Mx	.001	1
109	MP3A	X	-2.621	1
110	MP3A	Z	-1.513	1
111	MP3A	Mx	-.001	1
112	MP3B	X	-3.001	1
113	MP3B	Z	-1.733	1
114	MP3B	Mx	-.000866	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-6.037	1.5
2	MP1A	Z	-10.456	1.5
3	MP1A	Mx	.001	1.5
4	MP1A	X	-6.037	4.5
5	MP1A	Z	-10.456	4.5
6	MP1A	Mx	.001	4.5
7	MP1B	X	-5.429	1.5
8	MP1B	Z	-9.404	1.5
9	MP1B	Mx	.005	1.5
10	MP1B	X	-5.429	4.5
11	MP1B	Z	-9.404	4.5
12	MP1B	Mx	.005	4.5
13	MP3C	X	-5.789	1.5
14	MP3C	Z	-10.027	1.5
15	MP3C	Mx	-.004	1.5
16	MP3C	X	-5.789	4.5
17	MP3C	Z	-10.027	4.5
18	MP3C	Mx	-.004	4.5
19	MP5A	X	-6.037	1.5
20	MP5A	Z	-10.456	1.5
21	MP5A	Mx	.001	1.5
22	MP5A	X	-6.037	4.5
23	MP5A	Z	-10.456	4.5
24	MP5A	Mx	.001	4.5
25	MP5B	X	-5.429	1.5
26	MP5B	Z	-9.404	1.5
27	MP5B	Mx	.005	1.5
28	MP5B	X	-5.429	4.5
29	MP5B	Z	-9.404	4.5
30	MP5B	Mx	.005	4.5
31	MP5C	X	-5.789	1.5
32	MP5C	Z	-10.027	1.5
33	MP5C	Mx	-.004	1.5
34	MP5C	X	-5.789	4.5
35	MP5C	Z	-10.027	4.5
36	MP5C	Mx	-.004	4.5
37	M108	X	-4.981	1
38	M108	Z	-8.627	1
39	M108	Mx	0	1
40	M109	X	-4.981	1
41	M109	Z	-8.627	1
42	M109	Mx	0	1
43	MP1C	X	-5.567	1.5
44	MP1C	Z	-9.642	1.5
45	MP1C	Mx	.002	1.5
46	MP1C	X	-5.567	4.5
47	MP1C	Z	-9.642	4.5
48	MP1C	Mx	.002	4.5
49	MP1C	X	-5.567	1.5
50	MP1C	Z	-9.642	1.5
51	MP1C	Mx	-.009	1.5
52	MP1C	X	-5.567	4.5
53	MP1C	Z	-9.642	4.5
54	MP1C	Mx	-.009	4.5
55	MP3A	X	-5.827	1.5
56	MP3A	Z	-10.093	1.5
57	MP3A	Mx	-.004	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-5.827	4.5
59	MP3A	Z	-10.093	4.5
60	MP3A	Mx	-.004	4.5
61	MP3B	X	-4.678	1.5
62	MP3B	Z	-8.102	1.5
63	MP3B	Mx	.006	1.5
64	MP3B	X	-4.678	4.5
65	MP3B	Z	-8.102	4.5
66	MP3B	Mx	.006	4.5
67	MP3A	X	-5.827	1.5
68	MP3A	Z	-10.093	1.5
69	MP3A	Mx	.01	1.5
70	MP3A	X	-5.827	4.5
71	MP3A	Z	-10.093	4.5
72	MP3A	Mx	.01	4.5
73	MP3B	X	-4.678	1.5
74	MP3B	Z	-8.102	1.5
75	MP3B	Mx	.004	1.5
76	MP3B	X	-4.678	4.5
77	MP3B	Z	-8.102	4.5
78	MP3B	Mx	.004	4.5
79	MP4A	X	-2.514	2
80	MP4A	Z	-4.355	2
81	MP4A	Mx	.001	2
82	MP4A	X	-2.514	4
83	MP4A	Z	-4.355	4
84	MP4A	Mx	.001	4
85	MP4B	X	-1.612	2
86	MP4B	Z	-2.792	2
87	MP4B	Mx	.001	2
88	MP4B	X	-1.612	4
89	MP4B	Z	-2.792	4
90	MP4B	Mx	.001	4
91	MP4C	X	-2.514	2
92	MP4C	Z	-4.355	2
93	MP4C	Mx	-.001	2
94	MP4C	X	-2.514	4
95	MP4C	Z	-4.355	4
96	MP4C	Mx	-.001	4
97	MP1C	X	-2.164	1
98	MP1C	Z	-3.748	1
99	MP1C	Mx	.001	1
100	MP2A	X	-2.164	1
101	MP2A	Z	-3.748	1
102	MP2A	Mx	-.001	1
103	MP2B	X	-1.773	1
104	MP2B	Z	-3.071	1
105	MP2B	Mx	-.002	1
106	MP2C	X	-1.733	1
107	MP2C	Z	-3.001	1
108	MP2C	Mx	.000866	1
109	MP3A	X	-1.733	1
110	MP3A	Z	-3.001	1
111	MP3A	Mx	-.000866	1
112	MP3B	X	-1.513	1
113	MP3B	Z	-2.621	1
114	MP3B	Mx	-.001	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M78A	Y	-500	0
2	M115	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M77B	Y	-500	0
2	M114	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%50
2	M110	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%100
2	M110	Y	-250	%100

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	Y	-6.374	-6.374	0	%100
2	M4	Y	-9.345	-9.345	0	%100
3	M10	Y	-9.345	-9.345	0	%100
4	M43	Y	-9.345	-9.345	0	%100
5	M46	Y	-9.846	-9.846	0	%100
6	M51B	Y	-5.449	-5.449	0	%100
7	M52B	Y	-5.449	-5.449	0	%100
8	M76	Y	-9.834	-9.834	0	%100
9	M77	Y	-9.834	-9.834	0	%100
10	M80	Y	-9.846	-9.846	0	%100
11	M84	Y	-9.834	-9.834	0	%100
12	M85	Y	-9.834	-9.834	0	%100
13	M91	Y	-9.846	-9.846	0	%100
14	M52A	Y	-9.345	-9.345	0	%100
15	M53	Y	-9.345	-9.345	0	%100
16	M54	Y	-9.345	-9.345	0	%100
17	M55	Y	-9.846	-9.846	0	%100
18	M58A	Y	-5.449	-5.449	0	%100
19	M59A	Y	-5.449	-5.449	0	%100
20	M63	Y	-9.834	-9.834	0	%100
21	M64	Y	-9.834	-9.834	0	%100
22	M66	Y	-9.846	-9.846	0	%100
23	M68	Y	-9.834	-9.834	0	%100
24	M69	Y	-9.834	-9.834	0	%100
25	M71	Y	-9.846	-9.846	0	%100
26	M76A	Y	-9.345	-9.345	0	%100
27	M77A	Y	-9.345	-9.345	0	%100
28	M78	Y	-9.345	-9.345	0	%100
29	M79A	Y	-9.846	-9.846	0	%100
30	M82	Y	-5.449	-5.449	0	%100
31	M83A	Y	-5.449	-5.449	0	%100
32	M87	Y	-9.834	-9.834	0	%100
33	M88A	Y	-9.834	-9.834	0	%100
34	M90	Y	-9.846	-9.846	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
35	M92A	Y	-9.834	-9.834	0	%100
36	M93	Y	-9.834	-9.834	0	%100
37	M95	Y	-9.846	-9.846	0	%100
38	M82A	Y	-6.374	-6.374	0	%100
39	M91B	Y	-6.374	-6.374	0	%100
40	MP1A	Y	-4.824	-4.824	0	%100
41	MP2A	Y	-4.824	-4.824	0	%100
42	MP3A	Y	-4.824	-4.824	0	%100
43	MP4A	Y	-4.824	-4.824	0	%100
44	MP5A	Y	-4.824	-4.824	0	%100
45	MP1B	Y	-4.824	-4.824	0	%100
46	MP2B	Y	-4.824	-4.824	0	%100
47	MP3B	Y	-4.824	-4.824	0	%100
48	MP4B	Y	-4.824	-4.824	0	%100
49	MP5B	Y	-4.824	-4.824	0	%100
50	MP1C	Y	-4.824	-4.824	0	%100
51	MP2C	Y	-4.824	-4.824	0	%100
52	MP3C	Y	-4.824	-4.824	0	%100
53	MP4C	Y	-4.824	-4.824	0	%100
54	MP5C	Y	-4.824	-4.824	0	%100
55	M108	Y	-4.824	-4.824	0	%100
56	M109	Y	-4.824	-4.824	0	%100
57	M110	Y	-6.374	-6.374	0	%100
58	M111	Y	-6.374	-6.374	0	%100
59	M112	Y	-6.374	-6.374	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	0	0	0	%100
2	M1	Z	-15.652	-15.652	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	-15.372	-15.372	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	-15.372	-15.372	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	-30.661	-30.661	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	-4.256	-4.256	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	-4.256	-4.256	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	-7.807	-7.807	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	-8.223	-8.223	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	-7.807	-7.807	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	-8.223	-8.223	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	-13.625	-13.625	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
29	M53	X	0	0	0	%100
30	M53	Z	-3.843	-3.843	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	-3.843	-3.843	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	-7.665	-7.665	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	-4.256	-4.256	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	-17.025	-17.025	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	-22.996	-22.996	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	-7.807	-7.807	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	-8.223	-8.223	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	-22.996	-22.996	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	-31.229	-31.229	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	-32.893	-32.893	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	-13.625	-13.625	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	-3.843	-3.843	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	-3.843	-3.843	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	-7.665	-7.665	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	-17.025	-17.025	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	-4.256	-4.256	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	-22.996	-22.996	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	-31.229	-31.229	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	-32.893	-32.893	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	-22.996	-22.996	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	-7.807	-7.807	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	-8.223	-8.223	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	-3.913	-3.913	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	-3.913	-3.913	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-12.137	-12.137	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-12.137	-12.137	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-12.137	-12.137	0	%100
85	MP4A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
86	MP4A	Z	-12.137	-12.137	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	-12.137	-12.137	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	-12.137	-12.137	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	-12.137	-12.137	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	-12.137	-12.137	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-12.137	-12.137	0	%100
97	MP5B	X	0	0	0	%100
98	MP5B	Z	-12.137	-12.137	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-12.137	-12.137	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	-12.137	-12.137	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-12.137	-12.137	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-12.137	-12.137	0	%100
107	MP5C	X	0	0	0	%100
108	MP5C	Z	-12.137	-12.137	0	%100
109	M108	X	0	0	0	%100
110	M108	Z	-8.978	-8.978	0	%100
111	M109	X	0	0	0	%100
112	M109	Z	-8.978	-8.978	0	%100
113	M110	X	0	0	0	%100
114	M110	Z	-15.652	-15.652	0	%100
115	M111	X	0	0	0	%100
116	M111	Z	-3.913	-3.913	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	-3.913	-3.913	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	5.869	5.869	0	%100
2	M1	Z	-10.166	-10.166	0	%100
3	M4	X	2.271	2.271	0	%100
4	M4	Z	-3.933	-3.933	0	%100
5	M10	X	5.764	5.764	0	%100
6	M10	Z	-9.984	-9.984	0	%100
7	M43	X	5.764	5.764	0	%100
8	M43	Z	-9.984	-9.984	0	%100
9	M46	X	11.498	11.498	0	%100
10	M46	Z	-19.915	-19.915	0	%100
11	M51B	X	6.385	6.385	0	%100
12	M51B	Z	-11.058	-11.058	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	3.833	3.833	0	%100
16	M76	Z	-6.638	-6.638	0	%100
17	M77	X	11.711	11.711	0	%100
18	M77	Z	-20.284	-20.284	0	%100
19	M80	X	12.335	12.335	0	%100
20	M80	Z	-21.364	-21.364	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
21	M84	X	3.833	3.833	0	%100
22	M84	Z	-6.638	-6.638	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	2.271	2.271	0	%100
28	M52A	Z	-3.933	-3.933	0	%100
29	M53	X	5.764	5.764	0	%100
30	M53	Z	-9.984	-9.984	0	%100
31	M54	X	5.764	5.764	0	%100
32	M54	Z	-9.984	-9.984	0	%100
33	M55	X	11.498	11.498	0	%100
34	M55	Z	-19.915	-19.915	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	6.385	6.385	0	%100
38	M59A	Z	-11.058	-11.058	0	%100
39	M63	X	3.833	3.833	0	%100
40	M63	Z	-6.638	-6.638	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	3.833	3.833	0	%100
46	M68	Z	-6.638	-6.638	0	%100
47	M69	X	11.711	11.711	0	%100
48	M69	Z	-20.284	-20.284	0	%100
49	M71	X	12.335	12.335	0	%100
50	M71	Z	-21.364	-21.364	0	%100
51	M76A	X	9.083	9.083	0	%100
52	M76A	Z	-15.733	-15.733	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	6.385	6.385	0	%100
60	M82	Z	-11.058	-11.058	0	%100
61	M83A	X	6.385	6.385	0	%100
62	M83A	Z	-11.058	-11.058	0	%100
63	M87	X	15.33	15.33	0	%100
64	M87	Z	-26.553	-26.553	0	%100
65	M88A	X	11.711	11.711	0	%100
66	M88A	Z	-20.284	-20.284	0	%100
67	M90	X	12.335	12.335	0	%100
68	M90	Z	-21.364	-21.364	0	%100
69	M92A	X	15.33	15.33	0	%100
70	M92A	Z	-26.553	-26.553	0	%100
71	M93	X	11.711	11.711	0	%100
72	M93	Z	-20.284	-20.284	0	%100
73	M95	X	12.335	12.335	0	%100
74	M95	Z	-21.364	-21.364	0	%100
75	M82A	X	5.869	5.869	0	%100
76	M82A	Z	-10.166	-10.166	0	%100
77	M91B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
78	M91B	Z	0	0	0	%100
79	MP1A	X	6.068	6.068	0	%100
80	MP1A	Z	-10.511	-10.511	0	%100
81	MP2A	X	6.068	6.068	0	%100
82	MP2A	Z	-10.511	-10.511	0	%100
83	MP3A	X	6.068	6.068	0	%100
84	MP3A	Z	-10.511	-10.511	0	%100
85	MP4A	X	6.068	6.068	0	%100
86	MP4A	Z	-10.511	-10.511	0	%100
87	MP5A	X	6.068	6.068	0	%100
88	MP5A	Z	-10.511	-10.511	0	%100
89	MP1B	X	6.068	6.068	0	%100
90	MP1B	Z	-10.511	-10.511	0	%100
91	MP2B	X	6.068	6.068	0	%100
92	MP2B	Z	-10.511	-10.511	0	%100
93	MP3B	X	6.068	6.068	0	%100
94	MP3B	Z	-10.511	-10.511	0	%100
95	MP4B	X	6.068	6.068	0	%100
96	MP4B	Z	-10.511	-10.511	0	%100
97	MP5B	X	6.068	6.068	0	%100
98	MP5B	Z	-10.511	-10.511	0	%100
99	MP1C	X	6.068	6.068	0	%100
100	MP1C	Z	-10.511	-10.511	0	%100
101	MP2C	X	6.068	6.068	0	%100
102	MP2C	Z	-10.511	-10.511	0	%100
103	MP3C	X	6.068	6.068	0	%100
104	MP3C	Z	-10.511	-10.511	0	%100
105	MP4C	X	6.068	6.068	0	%100
106	MP4C	Z	-10.511	-10.511	0	%100
107	MP5C	X	6.068	6.068	0	%100
108	MP5C	Z	-10.511	-10.511	0	%100
109	M108	X	4.489	4.489	0	%100
110	M108	Z	-7.775	-7.775	0	%100
111	M109	X	4.489	4.489	0	%100
112	M109	Z	-7.775	-7.775	0	%100
113	M110	X	5.869	5.869	0	%100
114	M110	Z	-10.166	-10.166	0	%100
115	M111	X	5.869	5.869	0	%100
116	M111	Z	-10.166	-10.166	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	3.389	3.389	0	%100
2	M1	Z	-1.956	-1.956	0	%100
3	M4	X	11.799	11.799	0	%100
4	M4	Z	-6.812	-6.812	0	%100
5	M10	X	3.328	3.328	0	%100
6	M10	Z	-1.921	-1.921	0	%100
7	M43	X	3.328	3.328	0	%100
8	M43	Z	-1.921	-1.921	0	%100
9	M46	X	6.638	6.638	0	%100
10	M46	Z	-3.833	-3.833	0	%100
11	M51B	X	14.744	14.744	0	%100
12	M51B	Z	-8.513	-8.513	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
13	M52B	X	3.686	3.686	0	%100
14	M52B	Z	-2.128	-2.128	0	%100
15	M76	X	19.915	19.915	0	%100
16	M76	Z	-11.498	-11.498	0	%100
17	M77	X	27.045	27.045	0	%100
18	M77	Z	-15.614	-15.614	0	%100
19	M80	X	28.486	28.486	0	%100
20	M80	Z	-16.446	-16.446	0	%100
21	M84	X	19.915	19.915	0	%100
22	M84	Z	-11.498	-11.498	0	%100
23	M85	X	6.761	6.761	0	%100
24	M85	Z	-3.904	-3.904	0	%100
25	M91	X	7.121	7.121	0	%100
26	M91	Z	-4.112	-4.112	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	13.312	13.312	0	%100
30	M53	Z	-7.686	-7.686	0	%100
31	M54	X	13.312	13.312	0	%100
32	M54	Z	-7.686	-7.686	0	%100
33	M55	X	26.553	26.553	0	%100
34	M55	Z	-15.33	-15.33	0	%100
35	M58A	X	3.686	3.686	0	%100
36	M58A	Z	-2.128	-2.128	0	%100
37	M59A	X	3.686	3.686	0	%100
38	M59A	Z	-2.128	-2.128	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	6.761	6.761	0	%100
42	M64	Z	-3.904	-3.904	0	%100
43	M66	X	7.121	7.121	0	%100
44	M66	Z	-4.112	-4.112	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	6.761	6.761	0	%100
48	M69	Z	-3.904	-3.904	0	%100
49	M71	X	7.121	7.121	0	%100
50	M71	Z	-4.112	-4.112	0	%100
51	M76A	X	11.799	11.799	0	%100
52	M76A	Z	-6.812	-6.812	0	%100
53	M77A	X	3.328	3.328	0	%100
54	M77A	Z	-1.921	-1.921	0	%100
55	M78	X	3.328	3.328	0	%100
56	M78	Z	-1.921	-1.921	0	%100
57	M79A	X	6.638	6.638	0	%100
58	M79A	Z	-3.833	-3.833	0	%100
59	M82	X	3.686	3.686	0	%100
60	M82	Z	-2.128	-2.128	0	%100
61	M83A	X	14.744	14.744	0	%100
62	M83A	Z	-8.513	-8.513	0	%100
63	M87	X	19.915	19.915	0	%100
64	M87	Z	-11.498	-11.498	0	%100
65	M88A	X	6.761	6.761	0	%100
66	M88A	Z	-3.904	-3.904	0	%100
67	M90	X	7.121	7.121	0	%100
68	M90	Z	-4.112	-4.112	0	%100
69	M92A	X	19.915	19.915	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
70	M92A	Z	-11.498	-11.498	0	%100
71	M93	X	27.045	27.045	0	%100
72	M93	Z	-15.614	-15.614	0	%100
73	M95	X	28.486	28.486	0	%100
74	M95	Z	-16.446	-16.446	0	%100
75	M82A	X	13.555	13.555	0	%100
76	M82A	Z	-7.826	-7.826	0	%100
77	M91B	X	3.389	3.389	0	%100
78	M91B	Z	-1.956	-1.956	0	%100
79	MP1A	X	10.511	10.511	0	%100
80	MP1A	Z	-6.068	-6.068	0	%100
81	MP2A	X	10.511	10.511	0	%100
82	MP2A	Z	-6.068	-6.068	0	%100
83	MP3A	X	10.511	10.511	0	%100
84	MP3A	Z	-6.068	-6.068	0	%100
85	MP4A	X	10.511	10.511	0	%100
86	MP4A	Z	-6.068	-6.068	0	%100
87	MP5A	X	10.511	10.511	0	%100
88	MP5A	Z	-6.068	-6.068	0	%100
89	MP1B	X	10.511	10.511	0	%100
90	MP1B	Z	-6.068	-6.068	0	%100
91	MP2B	X	10.511	10.511	0	%100
92	MP2B	Z	-6.068	-6.068	0	%100
93	MP3B	X	10.511	10.511	0	%100
94	MP3B	Z	-6.068	-6.068	0	%100
95	MP4B	X	10.511	10.511	0	%100
96	MP4B	Z	-6.068	-6.068	0	%100
97	MP5B	X	10.511	10.511	0	%100
98	MP5B	Z	-6.068	-6.068	0	%100
99	MP1C	X	10.511	10.511	0	%100
100	MP1C	Z	-6.068	-6.068	0	%100
101	MP2C	X	10.511	10.511	0	%100
102	MP2C	Z	-6.068	-6.068	0	%100
103	MP3C	X	10.511	10.511	0	%100
104	MP3C	Z	-6.068	-6.068	0	%100
105	MP4C	X	10.511	10.511	0	%100
106	MP4C	Z	-6.068	-6.068	0	%100
107	MP5C	X	10.511	10.511	0	%100
108	MP5C	Z	-6.068	-6.068	0	%100
109	M108	X	7.775	7.775	0	%100
110	M108	Z	-4.489	-4.489	0	%100
111	M109	X	7.775	7.775	0	%100
112	M109	Z	-4.489	-4.489	0	%100
113	M110	X	3.389	3.389	0	%100
114	M110	Z	-1.956	-1.956	0	%100
115	M111	X	13.555	13.555	0	%100
116	M111	Z	-7.826	-7.826	0	%100
117	M112	X	3.389	3.389	0	%100
118	M112	Z	-1.956	-1.956	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	18.166	18.166	0	%100
4	M4	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	12.769	12.769	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	12.769	12.769	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	30.661	30.661	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	23.422	23.422	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	24.669	24.669	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	30.661	30.661	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	23.422	23.422	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	24.669	24.669	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	4.542	4.542	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	11.529	11.529	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	11.529	11.529	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	22.996	22.996	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	12.769	12.769	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	0	0	0	%100
39	M63	X	7.665	7.665	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	23.422	23.422	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	24.669	24.669	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	7.665	7.665	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	4.542	4.542	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	11.529	11.529	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	11.529	11.529	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	22.996	22.996	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	12.769	12.769	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
62	M83A	Z	0	0	0	%100
63	M87	X	7.665	7.665	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	0	0	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	0	0	0	%100
69	M92A	X	7.665	7.665	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	23.422	23.422	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	24.669	24.669	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	11.739	11.739	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	11.739	11.739	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	12.137	12.137	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	12.137	12.137	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	12.137	12.137	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	12.137	12.137	0	%100
86	MP4A	Z	0	0	0	%100
87	MP5A	X	12.137	12.137	0	%100
88	MP5A	Z	0	0	0	%100
89	MP1B	X	12.137	12.137	0	%100
90	MP1B	Z	0	0	0	%100
91	MP2B	X	12.137	12.137	0	%100
92	MP2B	Z	0	0	0	%100
93	MP3B	X	12.137	12.137	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	12.137	12.137	0	%100
96	MP4B	Z	0	0	0	%100
97	MP5B	X	12.137	12.137	0	%100
98	MP5B	Z	0	0	0	%100
99	MP1C	X	12.137	12.137	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	12.137	12.137	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	12.137	12.137	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	12.137	12.137	0	%100
106	MP4C	Z	0	0	0	%100
107	MP5C	X	12.137	12.137	0	%100
108	MP5C	Z	0	0	0	%100
109	M108	X	8.978	8.978	0	%100
110	M108	Z	0	0	0	%100
111	M109	X	8.978	8.978	0	%100
112	M109	Z	0	0	0	%100
113	M110	X	0	0	0	%100
114	M110	Z	0	0	0	%100
115	M111	X	11.739	11.739	0	%100
116	M111	Z	0	0	0	%100
117	M112	X	11.739	11.739	0	%100
118	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	3.389	3.389	0	%100
2	M1	Z	1.956	1.956	0	%100
3	M4	X	11.799	11.799	0	%100
4	M4	Z	6.812	6.812	0	%100
5	M10	X	3.328	3.328	0	%100
6	M10	Z	1.921	1.921	0	%100
7	M43	X	3.328	3.328	0	%100
8	M43	Z	1.921	1.921	0	%100
9	M46	X	6.638	6.638	0	%100
10	M46	Z	3.833	3.833	0	%100
11	M51B	X	3.686	3.686	0	%100
12	M51B	Z	2.128	2.128	0	%100
13	M52B	X	14.744	14.744	0	%100
14	M52B	Z	8.513	8.513	0	%100
15	M76	X	19.915	19.915	0	%100
16	M76	Z	11.498	11.498	0	%100
17	M77	X	6.761	6.761	0	%100
18	M77	Z	3.904	3.904	0	%100
19	M80	X	7.121	7.121	0	%100
20	M80	Z	4.112	4.112	0	%100
21	M84	X	19.915	19.915	0	%100
22	M84	Z	11.498	11.498	0	%100
23	M85	X	27.045	27.045	0	%100
24	M85	Z	15.614	15.614	0	%100
25	M91	X	28.486	28.486	0	%100
26	M91	Z	16.446	16.446	0	%100
27	M52A	X	11.799	11.799	0	%100
28	M52A	Z	6.812	6.812	0	%100
29	M53	X	3.328	3.328	0	%100
30	M53	Z	1.921	1.921	0	%100
31	M54	X	3.328	3.328	0	%100
32	M54	Z	1.921	1.921	0	%100
33	M55	X	6.638	6.638	0	%100
34	M55	Z	3.833	3.833	0	%100
35	M58A	X	14.744	14.744	0	%100
36	M58A	Z	8.513	8.513	0	%100
37	M59A	X	3.686	3.686	0	%100
38	M59A	Z	2.128	2.128	0	%100
39	M63	X	19.915	19.915	0	%100
40	M63	Z	11.498	11.498	0	%100
41	M64	X	27.045	27.045	0	%100
42	M64	Z	15.614	15.614	0	%100
43	M66	X	28.486	28.486	0	%100
44	M66	Z	16.446	16.446	0	%100
45	M68	X	19.915	19.915	0	%100
46	M68	Z	11.498	11.498	0	%100
47	M69	X	6.761	6.761	0	%100
48	M69	Z	3.904	3.904	0	%100
49	M71	X	7.121	7.121	0	%100
50	M71	Z	4.112	4.112	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	13.312	13.312	0	%100
54	M77A	Z	7.686	7.686	0	%100
55	M78	X	13.312	13.312	0	%100
56	M78	Z	7.686	7.686	0	%100
57	M79A	X	26.553	26.553	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
58	M79A	Z	15.33	15.33	0	%100
59	M82	X	3.686	3.686	0	%100
60	M82	Z	2.128	2.128	0	%100
61	M83A	X	3.686	3.686	0	%100
62	M83A	Z	2.128	2.128	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	6.761	6.761	0	%100
66	M88A	Z	3.904	3.904	0	%100
67	M90	X	7.121	7.121	0	%100
68	M90	Z	4.112	4.112	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	6.761	6.761	0	%100
72	M93	Z	3.904	3.904	0	%100
73	M95	X	7.121	7.121	0	%100
74	M95	Z	4.112	4.112	0	%100
75	M82A	X	3.389	3.389	0	%100
76	M82A	Z	1.956	1.956	0	%100
77	M91B	X	13.555	13.555	0	%100
78	M91B	Z	7.826	7.826	0	%100
79	MP1A	X	10.511	10.511	0	%100
80	MP1A	Z	6.068	6.068	0	%100
81	MP2A	X	10.511	10.511	0	%100
82	MP2A	Z	6.068	6.068	0	%100
83	MP3A	X	10.511	10.511	0	%100
84	MP3A	Z	6.068	6.068	0	%100
85	MP4A	X	10.511	10.511	0	%100
86	MP4A	Z	6.068	6.068	0	%100
87	MP5A	X	10.511	10.511	0	%100
88	MP5A	Z	6.068	6.068	0	%100
89	MP1B	X	10.511	10.511	0	%100
90	MP1B	Z	6.068	6.068	0	%100
91	MP2B	X	10.511	10.511	0	%100
92	MP2B	Z	6.068	6.068	0	%100
93	MP3B	X	10.511	10.511	0	%100
94	MP3B	Z	6.068	6.068	0	%100
95	MP4B	X	10.511	10.511	0	%100
96	MP4B	Z	6.068	6.068	0	%100
97	MP5B	X	10.511	10.511	0	%100
98	MP5B	Z	6.068	6.068	0	%100
99	MP1C	X	10.511	10.511	0	%100
100	MP1C	Z	6.068	6.068	0	%100
101	MP2C	X	10.511	10.511	0	%100
102	MP2C	Z	6.068	6.068	0	%100
103	MP3C	X	10.511	10.511	0	%100
104	MP3C	Z	6.068	6.068	0	%100
105	MP4C	X	10.511	10.511	0	%100
106	MP4C	Z	6.068	6.068	0	%100
107	MP5C	X	10.511	10.511	0	%100
108	MP5C	Z	6.068	6.068	0	%100
109	M108	X	7.775	7.775	0	%100
110	M108	Z	4.489	4.489	0	%100
111	M109	X	7.775	7.775	0	%100
112	M109	Z	4.489	4.489	0	%100
113	M110	X	3.389	3.389	0	%100
114	M110	Z	1.956	1.956	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
115	M111	X	3.389	3.389	0	%100
116	M111	Z	1.956	1.956	0	%100
117	M112	X	13.555	13.555	0	%100
118	M112	Z	7.826	7.826	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	5.869	5.869	0	%100
2	M1	Z	10.166	10.166	0	%100
3	M4	X	2.271	2.271	0	%100
4	M4	Z	3.933	3.933	0	%100
5	M10	X	5.764	5.764	0	%100
6	M10	Z	9.984	9.984	0	%100
7	M43	X	5.764	5.764	0	%100
8	M43	Z	9.984	9.984	0	%100
9	M46	X	11.498	11.498	0	%100
10	M46	Z	19.915	19.915	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	6.385	6.385	0	%100
14	M52B	Z	11.058	11.058	0	%100
15	M76	X	3.833	3.833	0	%100
16	M76	Z	6.638	6.638	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	3.833	3.833	0	%100
22	M84	Z	6.638	6.638	0	%100
23	M85	X	11.711	11.711	0	%100
24	M85	Z	20.284	20.284	0	%100
25	M91	X	12.335	12.335	0	%100
26	M91	Z	21.364	21.364	0	%100
27	M52A	X	9.083	9.083	0	%100
28	M52A	Z	15.733	15.733	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	6.385	6.385	0	%100
36	M58A	Z	11.058	11.058	0	%100
37	M59A	X	6.385	6.385	0	%100
38	M59A	Z	11.058	11.058	0	%100
39	M63	X	15.33	15.33	0	%100
40	M63	Z	26.553	26.553	0	%100
41	M64	X	11.711	11.711	0	%100
42	M64	Z	20.284	20.284	0	%100
43	M66	X	12.335	12.335	0	%100
44	M66	Z	21.364	21.364	0	%100
45	M68	X	15.33	15.33	0	%100
46	M68	Z	26.553	26.553	0	%100
47	M69	X	11.711	11.711	0	%100
48	M69	Z	20.284	20.284	0	%100
49	M71	X	12.335	12.335	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
50	M71	Z	21.364	21.364	0	%100
51	M76A	X	2.271	2.271	0	%100
52	M76A	Z	3.933	3.933	0	%100
53	M77A	X	5.764	5.764	0	%100
54	M77A	Z	9.984	9.984	0	%100
55	M78	X	5.764	5.764	0	%100
56	M78	Z	9.984	9.984	0	%100
57	M79A	X	11.498	11.498	0	%100
58	M79A	Z	19.915	19.915	0	%100
59	M82	X	6.385	6.385	0	%100
60	M82	Z	11.058	11.058	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	3.833	3.833	0	%100
64	M87	Z	6.638	6.638	0	%100
65	M88A	X	11.711	11.711	0	%100
66	M88A	Z	20.284	20.284	0	%100
67	M90	X	12.335	12.335	0	%100
68	M90	Z	21.364	21.364	0	%100
69	M92A	X	3.833	3.833	0	%100
70	M92A	Z	6.638	6.638	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	5.869	5.869	0	%100
78	M91B	Z	10.166	10.166	0	%100
79	MP1A	X	6.068	6.068	0	%100
80	MP1A	Z	10.511	10.511	0	%100
81	MP2A	X	6.068	6.068	0	%100
82	MP2A	Z	10.511	10.511	0	%100
83	MP3A	X	6.068	6.068	0	%100
84	MP3A	Z	10.511	10.511	0	%100
85	MP4A	X	6.068	6.068	0	%100
86	MP4A	Z	10.511	10.511	0	%100
87	MP5A	X	6.068	6.068	0	%100
88	MP5A	Z	10.511	10.511	0	%100
89	MP1B	X	6.068	6.068	0	%100
90	MP1B	Z	10.511	10.511	0	%100
91	MP2B	X	6.068	6.068	0	%100
92	MP2B	Z	10.511	10.511	0	%100
93	MP3B	X	6.068	6.068	0	%100
94	MP3B	Z	10.511	10.511	0	%100
95	MP4B	X	6.068	6.068	0	%100
96	MP4B	Z	10.511	10.511	0	%100
97	MP5B	X	6.068	6.068	0	%100
98	MP5B	Z	10.511	10.511	0	%100
99	MP1C	X	6.068	6.068	0	%100
100	MP1C	Z	10.511	10.511	0	%100
101	MP2C	X	6.068	6.068	0	%100
102	MP2C	Z	10.511	10.511	0	%100
103	MP3C	X	6.068	6.068	0	%100
104	MP3C	Z	10.511	10.511	0	%100
105	MP4C	X	6.068	6.068	0	%100
106	MP4C	Z	10.511	10.511	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
107	MP5C	X	6.068	6.068	0	%100
108	MP5C	Z	10.511	10.511	0	%100
109	M108	X	4.489	4.489	0	%100
110	M108	Z	7.775	7.775	0	%100
111	M109	X	4.489	4.489	0	%100
112	M109	Z	7.775	7.775	0	%100
113	M110	X	5.869	5.869	0	%100
114	M110	Z	10.166	10.166	0	%100
115	M111	X	0	0	0	%100
116	M111	Z	0	0	0	%100
117	M112	X	5.869	5.869	0	%100
118	M112	Z	10.166	10.166	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	0	0	0	%100
2	M1	Z	15.652	15.652	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	15.372	15.372	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	15.372	15.372	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	30.661	30.661	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	4.256	4.256	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	4.256	4.256	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	7.807	7.807	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	8.223	8.223	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	7.807	7.807	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	8.223	8.223	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	13.625	13.625	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	3.843	3.843	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	3.843	3.843	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	7.665	7.665	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	4.256	4.256	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	17.025	17.025	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	22.996	22.996	0	%100
41	M64	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
42	M64	Z	7.807	7.807	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	8.223	8.223	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	22.996	22.996	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	31.229	31.229	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	32.893	32.893	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	13.625	13.625	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	3.843	3.843	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	3.843	3.843	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	7.665	7.665	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	17.025	17.025	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	4.256	4.256	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	22.996	22.996	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	31.229	31.229	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	32.893	32.893	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	22.996	22.996	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	7.807	7.807	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	8.223	8.223	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	3.913	3.913	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	3.913	3.913	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	12.137	12.137	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	12.137	12.137	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	12.137	12.137	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	12.137	12.137	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	12.137	12.137	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	12.137	12.137	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	12.137	12.137	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	12.137	12.137	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	12.137	12.137	0	%100
97	MP5B	X	0	0	0	%100
98	MP5B	Z	12.137	12.137	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
99	MP1C	X	0	0	0	%100
100	MP1C	Z	12.137	12.137	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	12.137	12.137	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	12.137	12.137	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	12.137	12.137	0	%100
107	MP5C	X	0	0	0	%100
108	MP5C	Z	12.137	12.137	0	%100
109	M108	X	0	0	0	%100
110	M108	Z	8.978	8.978	0	%100
111	M109	X	0	0	0	%100
112	M109	Z	8.978	8.978	0	%100
113	M110	X	0	0	0	%100
114	M110	Z	15.652	15.652	0	%100
115	M111	X	0	0	0	%100
116	M111	Z	3.913	3.913	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	3.913	3.913	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	-5.869	-5.869	0	%100
2	M1	Z	10.166	10.166	0	%100
3	M4	X	-2.271	-2.271	0	%100
4	M4	Z	3.933	3.933	0	%100
5	M10	X	-5.764	-5.764	0	%100
6	M10	Z	9.984	9.984	0	%100
7	M43	X	-5.764	-5.764	0	%100
8	M43	Z	9.984	9.984	0	%100
9	M46	X	-11.498	-11.498	0	%100
10	M46	Z	19.915	19.915	0	%100
11	M51B	X	-6.385	-6.385	0	%100
12	M51B	Z	11.058	11.058	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-3.833	-3.833	0	%100
16	M76	Z	6.638	6.638	0	%100
17	M77	X	-11.711	-11.711	0	%100
18	M77	Z	20.284	20.284	0	%100
19	M80	X	-12.335	-12.335	0	%100
20	M80	Z	21.364	21.364	0	%100
21	M84	X	-3.833	-3.833	0	%100
22	M84	Z	6.638	6.638	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	-2.271	-2.271	0	%100
28	M52A	Z	3.933	3.933	0	%100
29	M53	X	-5.764	-5.764	0	%100
30	M53	Z	9.984	9.984	0	%100
31	M54	X	-5.764	-5.764	0	%100
32	M54	Z	9.984	9.984	0	%100
33	M55	X	-11.498	-11.498	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
34	M55	Z	19.915	19.915	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	-6.385	-6.385	0	%100
38	M59A	Z	11.058	11.058	0	%100
39	M63	X	-3.833	-3.833	0	%100
40	M63	Z	6.638	6.638	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	-3.833	-3.833	0	%100
46	M68	Z	6.638	6.638	0	%100
47	M69	X	-11.711	-11.711	0	%100
48	M69	Z	20.284	20.284	0	%100
49	M71	X	-12.335	-12.335	0	%100
50	M71	Z	21.364	21.364	0	%100
51	M76A	X	-9.083	-9.083	0	%100
52	M76A	Z	15.733	15.733	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	-6.385	-6.385	0	%100
60	M82	Z	11.058	11.058	0	%100
61	M83A	X	-6.385	-6.385	0	%100
62	M83A	Z	11.058	11.058	0	%100
63	M87	X	-15.33	-15.33	0	%100
64	M87	Z	26.553	26.553	0	%100
65	M88A	X	-11.711	-11.711	0	%100
66	M88A	Z	20.284	20.284	0	%100
67	M90	X	-12.335	-12.335	0	%100
68	M90	Z	21.364	21.364	0	%100
69	M92A	X	-15.33	-15.33	0	%100
70	M92A	Z	26.553	26.553	0	%100
71	M93	X	-11.711	-11.711	0	%100
72	M93	Z	20.284	20.284	0	%100
73	M95	X	-12.335	-12.335	0	%100
74	M95	Z	21.364	21.364	0	%100
75	M82A	X	-5.869	-5.869	0	%100
76	M82A	Z	10.166	10.166	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	-6.068	-6.068	0	%100
80	MP1A	Z	10.511	10.511	0	%100
81	MP2A	X	-6.068	-6.068	0	%100
82	MP2A	Z	10.511	10.511	0	%100
83	MP3A	X	-6.068	-6.068	0	%100
84	MP3A	Z	10.511	10.511	0	%100
85	MP4A	X	-6.068	-6.068	0	%100
86	MP4A	Z	10.511	10.511	0	%100
87	MP5A	X	-6.068	-6.068	0	%100
88	MP5A	Z	10.511	10.511	0	%100
89	MP1B	X	-6.068	-6.068	0	%100
90	MP1B	Z	10.511	10.511	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
91	MP2B	X	-6.068	-6.068	0	%100
92	MP2B	Z	10.511	10.511	0	%100
93	MP3B	X	-6.068	-6.068	0	%100
94	MP3B	Z	10.511	10.511	0	%100
95	MP4B	X	-6.068	-6.068	0	%100
96	MP4B	Z	10.511	10.511	0	%100
97	MP5B	X	-6.068	-6.068	0	%100
98	MP5B	Z	10.511	10.511	0	%100
99	MP1C	X	-6.068	-6.068	0	%100
100	MP1C	Z	10.511	10.511	0	%100
101	MP2C	X	-6.068	-6.068	0	%100
102	MP2C	Z	10.511	10.511	0	%100
103	MP3C	X	-6.068	-6.068	0	%100
104	MP3C	Z	10.511	10.511	0	%100
105	MP4C	X	-6.068	-6.068	0	%100
106	MP4C	Z	10.511	10.511	0	%100
107	MP5C	X	-6.068	-6.068	0	%100
108	MP5C	Z	10.511	10.511	0	%100
109	M108	X	-4.489	-4.489	0	%100
110	M108	Z	7.775	7.775	0	%100
111	M109	X	-4.489	-4.489	0	%100
112	M109	Z	7.775	7.775	0	%100
113	M110	X	-5.869	-5.869	0	%100
114	M110	Z	10.166	10.166	0	%100
115	M111	X	-5.869	-5.869	0	%100
116	M111	Z	10.166	10.166	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	-3.389	-3.389	0	%100
2	M1	Z	1.956	1.956	0	%100
3	M4	X	-11.799	-11.799	0	%100
4	M4	Z	6.812	6.812	0	%100
5	M10	X	-3.328	-3.328	0	%100
6	M10	Z	1.921	1.921	0	%100
7	M43	X	-3.328	-3.328	0	%100
8	M43	Z	1.921	1.921	0	%100
9	M46	X	-6.638	-6.638	0	%100
10	M46	Z	3.833	3.833	0	%100
11	M51B	X	-14.744	-14.744	0	%100
12	M51B	Z	8.513	8.513	0	%100
13	M52B	X	-3.686	-3.686	0	%100
14	M52B	Z	2.128	2.128	0	%100
15	M76	X	-19.915	-19.915	0	%100
16	M76	Z	11.498	11.498	0	%100
17	M77	X	-27.045	-27.045	0	%100
18	M77	Z	15.614	15.614	0	%100
19	M80	X	-28.486	-28.486	0	%100
20	M80	Z	16.446	16.446	0	%100
21	M84	X	-19.915	-19.915	0	%100
22	M84	Z	11.498	11.498	0	%100
23	M85	X	-6.761	-6.761	0	%100
24	M85	Z	3.904	3.904	0	%100
25	M91	X	-7.121	-7.121	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
26	M91	Z	4.112	4.112	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	-13.312	-13.312	0	%100
30	M53	Z	7.686	7.686	0	%100
31	M54	X	-13.312	-13.312	0	%100
32	M54	Z	7.686	7.686	0	%100
33	M55	X	-26.553	-26.553	0	%100
34	M55	Z	15.33	15.33	0	%100
35	M58A	X	-3.686	-3.686	0	%100
36	M58A	Z	2.128	2.128	0	%100
37	M59A	X	-3.686	-3.686	0	%100
38	M59A	Z	2.128	2.128	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	-6.761	-6.761	0	%100
42	M64	Z	3.904	3.904	0	%100
43	M66	X	-7.121	-7.121	0	%100
44	M66	Z	4.112	4.112	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	-6.761	-6.761	0	%100
48	M69	Z	3.904	3.904	0	%100
49	M71	X	-7.121	-7.121	0	%100
50	M71	Z	4.112	4.112	0	%100
51	M76A	X	-11.799	-11.799	0	%100
52	M76A	Z	6.812	6.812	0	%100
53	M77A	X	-3.328	-3.328	0	%100
54	M77A	Z	1.921	1.921	0	%100
55	M78	X	-3.328	-3.328	0	%100
56	M78	Z	1.921	1.921	0	%100
57	M79A	X	-6.638	-6.638	0	%100
58	M79A	Z	3.833	3.833	0	%100
59	M82	X	-3.686	-3.686	0	%100
60	M82	Z	2.128	2.128	0	%100
61	M83A	X	-14.744	-14.744	0	%100
62	M83A	Z	8.513	8.513	0	%100
63	M87	X	-19.915	-19.915	0	%100
64	M87	Z	11.498	11.498	0	%100
65	M88A	X	-6.761	-6.761	0	%100
66	M88A	Z	3.904	3.904	0	%100
67	M90	X	-7.121	-7.121	0	%100
68	M90	Z	4.112	4.112	0	%100
69	M92A	X	-19.915	-19.915	0	%100
70	M92A	Z	11.498	11.498	0	%100
71	M93	X	-27.045	-27.045	0	%100
72	M93	Z	15.614	15.614	0	%100
73	M95	X	-28.486	-28.486	0	%100
74	M95	Z	16.446	16.446	0	%100
75	M82A	X	-13.555	-13.555	0	%100
76	M82A	Z	7.826	7.826	0	%100
77	M91B	X	-3.389	-3.389	0	%100
78	M91B	Z	1.956	1.956	0	%100
79	MP1A	X	-10.511	-10.511	0	%100
80	MP1A	Z	6.068	6.068	0	%100
81	MP2A	X	-10.511	-10.511	0	%100
82	MP2A	Z	6.068	6.068	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
83	MP3A	X	-10.511	-10.511	0	%100
84	MP3A	Z	6.068	6.068	0	%100
85	MP4A	X	-10.511	-10.511	0	%100
86	MP4A	Z	6.068	6.068	0	%100
87	MP5A	X	-10.511	-10.511	0	%100
88	MP5A	Z	6.068	6.068	0	%100
89	MP1B	X	-10.511	-10.511	0	%100
90	MP1B	Z	6.068	6.068	0	%100
91	MP2B	X	-10.511	-10.511	0	%100
92	MP2B	Z	6.068	6.068	0	%100
93	MP3B	X	-10.511	-10.511	0	%100
94	MP3B	Z	6.068	6.068	0	%100
95	MP4B	X	-10.511	-10.511	0	%100
96	MP4B	Z	6.068	6.068	0	%100
97	MP5B	X	-10.511	-10.511	0	%100
98	MP5B	Z	6.068	6.068	0	%100
99	MP1C	X	-10.511	-10.511	0	%100
100	MP1C	Z	6.068	6.068	0	%100
101	MP2C	X	-10.511	-10.511	0	%100
102	MP2C	Z	6.068	6.068	0	%100
103	MP3C	X	-10.511	-10.511	0	%100
104	MP3C	Z	6.068	6.068	0	%100
105	MP4C	X	-10.511	-10.511	0	%100
106	MP4C	Z	6.068	6.068	0	%100
107	MP5C	X	-10.511	-10.511	0	%100
108	MP5C	Z	6.068	6.068	0	%100
109	M108	X	-7.775	-7.775	0	%100
110	M108	Z	4.489	4.489	0	%100
111	M109	X	-7.775	-7.775	0	%100
112	M109	Z	4.489	4.489	0	%100
113	M110	X	-3.389	-3.389	0	%100
114	M110	Z	1.956	1.956	0	%100
115	M111	X	-13.555	-13.555	0	%100
116	M111	Z	7.826	7.826	0	%100
117	M112	X	-3.389	-3.389	0	%100
118	M112	Z	1.956	1.956	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-18.166	-18.166	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	-12.769	-12.769	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-12.769	-12.769	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-30.661	-30.661	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	-23.422	-23.422	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
18	M77	Z	0	0	0	%100
19	M80	X	-24.669	-24.669	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-30.661	-30.661	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	-23.422	-23.422	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	-24.669	-24.669	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	-4.542	-4.542	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	-11.529	-11.529	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	-11.529	-11.529	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	-22.996	-22.996	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	-12.769	-12.769	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	0	0	0	%100
39	M63	X	-7.665	-7.665	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	-23.422	-23.422	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	-24.669	-24.669	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	-7.665	-7.665	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	-4.542	-4.542	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	-11.529	-11.529	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	-11.529	-11.529	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	-22.996	-22.996	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	-12.769	-12.769	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	-7.665	-7.665	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	0	0	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	0	0	0	%100
69	M92A	X	-7.665	-7.665	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	-23.422	-23.422	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	-24.669	-24.669	0	%100
74	M95	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
75	M82A	X	-11.739	-11.739	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	-11.739	-11.739	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	-12.137	-12.137	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-12.137	-12.137	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-12.137	-12.137	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-12.137	-12.137	0	%100
86	MP4A	Z	0	0	0	%100
87	MP5A	X	-12.137	-12.137	0	%100
88	MP5A	Z	0	0	0	%100
89	MP1B	X	-12.137	-12.137	0	%100
90	MP1B	Z	0	0	0	%100
91	MP2B	X	-12.137	-12.137	0	%100
92	MP2B	Z	0	0	0	%100
93	MP3B	X	-12.137	-12.137	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	-12.137	-12.137	0	%100
96	MP4B	Z	0	0	0	%100
97	MP5B	X	-12.137	-12.137	0	%100
98	MP5B	Z	0	0	0	%100
99	MP1C	X	-12.137	-12.137	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	-12.137	-12.137	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	-12.137	-12.137	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	-12.137	-12.137	0	%100
106	MP4C	Z	0	0	0	%100
107	MP5C	X	-12.137	-12.137	0	%100
108	MP5C	Z	0	0	0	%100
109	M108	X	-8.978	-8.978	0	%100
110	M108	Z	0	0	0	%100
111	M109	X	-8.978	-8.978	0	%100
112	M109	Z	0	0	0	%100
113	M110	X	0	0	0	%100
114	M110	Z	0	0	0	%100
115	M111	X	-11.739	-11.739	0	%100
116	M111	Z	0	0	0	%100
117	M112	X	-11.739	-11.739	0	%100
118	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	-3.389	-3.389	0	%100
2	M1	Z	-1.956	-1.956	0	%100
3	M4	X	-11.799	-11.799	0	%100
4	M4	Z	-6.812	-6.812	0	%100
5	M10	X	-3.328	-3.328	0	%100
6	M10	Z	-1.921	-1.921	0	%100
7	M43	X	-3.328	-3.328	0	%100
8	M43	Z	-1.921	-1.921	0	%100
9	M46	X	-6.638	-6.638	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
10	M46	Z	-3.833	-3.833	0	%100
11	M51B	X	-3.686	-3.686	0	%100
12	M51B	Z	-2.128	-2.128	0	%100
13	M52B	X	-14.744	-14.744	0	%100
14	M52B	Z	-8.513	-8.513	0	%100
15	M76	X	-19.915	-19.915	0	%100
16	M76	Z	-11.498	-11.498	0	%100
17	M77	X	-6.761	-6.761	0	%100
18	M77	Z	-3.904	-3.904	0	%100
19	M80	X	-7.121	-7.121	0	%100
20	M80	Z	-4.112	-4.112	0	%100
21	M84	X	-19.915	-19.915	0	%100
22	M84	Z	-11.498	-11.498	0	%100
23	M85	X	-27.045	-27.045	0	%100
24	M85	Z	-15.614	-15.614	0	%100
25	M91	X	-28.486	-28.486	0	%100
26	M91	Z	-16.446	-16.446	0	%100
27	M52A	X	-11.799	-11.799	0	%100
28	M52A	Z	-6.812	-6.812	0	%100
29	M53	X	-3.328	-3.328	0	%100
30	M53	Z	-1.921	-1.921	0	%100
31	M54	X	-3.328	-3.328	0	%100
32	M54	Z	-1.921	-1.921	0	%100
33	M55	X	-6.638	-6.638	0	%100
34	M55	Z	-3.833	-3.833	0	%100
35	M58A	X	-14.744	-14.744	0	%100
36	M58A	Z	-8.513	-8.513	0	%100
37	M59A	X	-3.686	-3.686	0	%100
38	M59A	Z	-2.128	-2.128	0	%100
39	M63	X	-19.915	-19.915	0	%100
40	M63	Z	-11.498	-11.498	0	%100
41	M64	X	-27.045	-27.045	0	%100
42	M64	Z	-15.614	-15.614	0	%100
43	M66	X	-28.486	-28.486	0	%100
44	M66	Z	-16.446	-16.446	0	%100
45	M68	X	-19.915	-19.915	0	%100
46	M68	Z	-11.498	-11.498	0	%100
47	M69	X	-6.761	-6.761	0	%100
48	M69	Z	-3.904	-3.904	0	%100
49	M71	X	-7.121	-7.121	0	%100
50	M71	Z	-4.112	-4.112	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	-13.312	-13.312	0	%100
54	M77A	Z	-7.686	-7.686	0	%100
55	M78	X	-13.312	-13.312	0	%100
56	M78	Z	-7.686	-7.686	0	%100
57	M79A	X	-26.553	-26.553	0	%100
58	M79A	Z	-15.33	-15.33	0	%100
59	M82	X	-3.686	-3.686	0	%100
60	M82	Z	-2.128	-2.128	0	%100
61	M83A	X	-3.686	-3.686	0	%100
62	M83A	Z	-2.128	-2.128	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	-6.761	-6.761	0	%100
66	M88A	Z	-3.904	-3.904	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
67	M90	X	-7.121	-7.121	0	%100
68	M90	Z	-4.112	-4.112	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	-6.761	-6.761	0	%100
72	M93	Z	-3.904	-3.904	0	%100
73	M95	X	-7.121	-7.121	0	%100
74	M95	Z	-4.112	-4.112	0	%100
75	M82A	X	-3.389	-3.389	0	%100
76	M82A	Z	-1.956	-1.956	0	%100
77	M91B	X	-13.555	-13.555	0	%100
78	M91B	Z	-7.826	-7.826	0	%100
79	MP1A	X	-10.511	-10.511	0	%100
80	MP1A	Z	-6.068	-6.068	0	%100
81	MP2A	X	-10.511	-10.511	0	%100
82	MP2A	Z	-6.068	-6.068	0	%100
83	MP3A	X	-10.511	-10.511	0	%100
84	MP3A	Z	-6.068	-6.068	0	%100
85	MP4A	X	-10.511	-10.511	0	%100
86	MP4A	Z	-6.068	-6.068	0	%100
87	MP5A	X	-10.511	-10.511	0	%100
88	MP5A	Z	-6.068	-6.068	0	%100
89	MP1B	X	-10.511	-10.511	0	%100
90	MP1B	Z	-6.068	-6.068	0	%100
91	MP2B	X	-10.511	-10.511	0	%100
92	MP2B	Z	-6.068	-6.068	0	%100
93	MP3B	X	-10.511	-10.511	0	%100
94	MP3B	Z	-6.068	-6.068	0	%100
95	MP4B	X	-10.511	-10.511	0	%100
96	MP4B	Z	-6.068	-6.068	0	%100
97	MP5B	X	-10.511	-10.511	0	%100
98	MP5B	Z	-6.068	-6.068	0	%100
99	MP1C	X	-10.511	-10.511	0	%100
100	MP1C	Z	-6.068	-6.068	0	%100
101	MP2C	X	-10.511	-10.511	0	%100
102	MP2C	Z	-6.068	-6.068	0	%100
103	MP3C	X	-10.511	-10.511	0	%100
104	MP3C	Z	-6.068	-6.068	0	%100
105	MP4C	X	-10.511	-10.511	0	%100
106	MP4C	Z	-6.068	-6.068	0	%100
107	MP5C	X	-10.511	-10.511	0	%100
108	MP5C	Z	-6.068	-6.068	0	%100
109	M108	X	-7.775	-7.775	0	%100
110	M108	Z	-4.489	-4.489	0	%100
111	M109	X	-7.775	-7.775	0	%100
112	M109	Z	-4.489	-4.489	0	%100
113	M110	X	-3.389	-3.389	0	%100
114	M110	Z	-1.956	-1.956	0	%100
115	M111	X	-3.389	-3.389	0	%100
116	M111	Z	-1.956	-1.956	0	%100
117	M112	X	-13.555	-13.555	0	%100
118	M112	Z	-7.826	-7.826	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	-5.869	-5.869	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
2	M1	Z	-10.166	-10.166	0	%100
3	M4	X	-2.271	-2.271	0	%100
4	M4	Z	-3.933	-3.933	0	%100
5	M10	X	-5.764	-5.764	0	%100
6	M10	Z	-9.984	-9.984	0	%100
7	M43	X	-5.764	-5.764	0	%100
8	M43	Z	-9.984	-9.984	0	%100
9	M46	X	-11.498	-11.498	0	%100
10	M46	Z	-19.915	-19.915	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-6.385	-6.385	0	%100
14	M52B	Z	-11.058	-11.058	0	%100
15	M76	X	-3.833	-3.833	0	%100
16	M76	Z	-6.638	-6.638	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-3.833	-3.833	0	%100
22	M84	Z	-6.638	-6.638	0	%100
23	M85	X	-11.711	-11.711	0	%100
24	M85	Z	-20.284	-20.284	0	%100
25	M91	X	-12.335	-12.335	0	%100
26	M91	Z	-21.364	-21.364	0	%100
27	M52A	X	-9.083	-9.083	0	%100
28	M52A	Z	-15.733	-15.733	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	-6.385	-6.385	0	%100
36	M58A	Z	-11.058	-11.058	0	%100
37	M59A	X	-6.385	-6.385	0	%100
38	M59A	Z	-11.058	-11.058	0	%100
39	M63	X	-15.33	-15.33	0	%100
40	M63	Z	-26.553	-26.553	0	%100
41	M64	X	-11.711	-11.711	0	%100
42	M64	Z	-20.284	-20.284	0	%100
43	M66	X	-12.335	-12.335	0	%100
44	M66	Z	-21.364	-21.364	0	%100
45	M68	X	-15.33	-15.33	0	%100
46	M68	Z	-26.553	-26.553	0	%100
47	M69	X	-11.711	-11.711	0	%100
48	M69	Z	-20.284	-20.284	0	%100
49	M71	X	-12.335	-12.335	0	%100
50	M71	Z	-21.364	-21.364	0	%100
51	M76A	X	-2.271	-2.271	0	%100
52	M76A	Z	-3.933	-3.933	0	%100
53	M77A	X	-5.764	-5.764	0	%100
54	M77A	Z	-9.984	-9.984	0	%100
55	M78	X	-5.764	-5.764	0	%100
56	M78	Z	-9.984	-9.984	0	%100
57	M79A	X	-11.498	-11.498	0	%100
58	M79A	Z	-19.915	-19.915	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
59	M82	X	-6.385	-6.385	0	%100
60	M82	Z	-11.058	-11.058	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	-3.833	-3.833	0	%100
64	M87	Z	-6.638	-6.638	0	%100
65	M88A	X	-11.711	-11.711	0	%100
66	M88A	Z	-20.284	-20.284	0	%100
67	M90	X	-12.335	-12.335	0	%100
68	M90	Z	-21.364	-21.364	0	%100
69	M92A	X	-3.833	-3.833	0	%100
70	M92A	Z	-6.638	-6.638	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	-5.869	-5.869	0	%100
78	M91B	Z	-10.166	-10.166	0	%100
79	MP1A	X	-6.068	-6.068	0	%100
80	MP1A	Z	-10.511	-10.511	0	%100
81	MP2A	X	-6.068	-6.068	0	%100
82	MP2A	Z	-10.511	-10.511	0	%100
83	MP3A	X	-6.068	-6.068	0	%100
84	MP3A	Z	-10.511	-10.511	0	%100
85	MP4A	X	-6.068	-6.068	0	%100
86	MP4A	Z	-10.511	-10.511	0	%100
87	MP5A	X	-6.068	-6.068	0	%100
88	MP5A	Z	-10.511	-10.511	0	%100
89	MP1B	X	-6.068	-6.068	0	%100
90	MP1B	Z	-10.511	-10.511	0	%100
91	MP2B	X	-6.068	-6.068	0	%100
92	MP2B	Z	-10.511	-10.511	0	%100
93	MP3B	X	-6.068	-6.068	0	%100
94	MP3B	Z	-10.511	-10.511	0	%100
95	MP4B	X	-6.068	-6.068	0	%100
96	MP4B	Z	-10.511	-10.511	0	%100
97	MP5B	X	-6.068	-6.068	0	%100
98	MP5B	Z	-10.511	-10.511	0	%100
99	MP1C	X	-6.068	-6.068	0	%100
100	MP1C	Z	-10.511	-10.511	0	%100
101	MP2C	X	-6.068	-6.068	0	%100
102	MP2C	Z	-10.511	-10.511	0	%100
103	MP3C	X	-6.068	-6.068	0	%100
104	MP3C	Z	-10.511	-10.511	0	%100
105	MP4C	X	-6.068	-6.068	0	%100
106	MP4C	Z	-10.511	-10.511	0	%100
107	MP5C	X	-6.068	-6.068	0	%100
108	MP5C	Z	-10.511	-10.511	0	%100
109	M108	X	-4.489	-4.489	0	%100
110	M108	Z	-7.775	-7.775	0	%100
111	M109	X	-4.489	-4.489	0	%100
112	M109	Z	-7.775	-7.775	0	%100
113	M110	X	-5.869	-5.869	0	%100
114	M110	Z	-10.166	-10.166	0	%100
115	M111	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
116	M111	Z	0	0	0	%100
117	M112	X	-5.869	-5.869	0	%100
118	M112	Z	-10.166	-10.166	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	0	0	0	%100
2	M1	Z	-4.034	-4.034	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-3.327	-3.327	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	-3.327	-3.327	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	-5.215	-5.215	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	-.958	-.958	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	-.958	-.958	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	-1.301	-1.301	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	-1.359	-1.359	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	-1.301	-1.301	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	-1.359	-1.359	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	-3.054	-3.054	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	-.832	-.832	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	-.832	-.832	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	-1.304	-1.304	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	-.958	-.958	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	-3.833	-3.833	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	-3.846	-3.846	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	-1.301	-1.301	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	-1.359	-1.359	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	-3.846	-3.846	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	-5.206	-5.206	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	-5.434	-5.434	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
51	M76A	X	0	0	0	%100
52	M76A	Z	-3.054	-3.054	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	-.832	-.832	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	-.832	-.832	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	-1.304	-1.304	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	-3.833	-3.833	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	-.958	-.958	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	-3.846	-3.846	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	-5.206	-5.206	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	-5.434	-5.434	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	-3.846	-3.846	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	-1.301	-1.301	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	-1.359	-1.359	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	-1.009	-1.009	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	-1.009	-1.009	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-3.245	-3.245	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-3.245	-3.245	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-3.245	-3.245	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-3.245	-3.245	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	-3.245	-3.245	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	-3.245	-3.245	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	-3.245	-3.245	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	-3.245	-3.245	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-3.245	-3.245	0	%100
97	MP5B	X	0	0	0	%100
98	MP5B	Z	-3.245	-3.245	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-3.245	-3.245	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	-3.245	-3.245	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-3.245	-3.245	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-3.245	-3.245	0	%100
107	MP5C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
108	MP5C	Z	-3.245	-3.245	0	%100
109	M108	X	0	0	0	%100
110	M108	Z	-2.418	-2.418	0	%100
111	M109	X	0	0	0	%100
112	M109	Z	-2.418	-2.418	0	%100
113	M110	X	0	0	0	%100
114	M110	Z	-4.034	-4.034	0	%100
115	M111	X	0	0	0	%100
116	M111	Z	-1.009	-1.009	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	-1.009	-1.009	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	1.513	1.513	0	%100
2	M1	Z	-2.62	-2.62	0	%100
3	M4	X	.509	.509	0	%100
4	M4	Z	-.882	-.882	0	%100
5	M10	X	1.248	1.248	0	%100
6	M10	Z	-2.161	-2.161	0	%100
7	M43	X	1.248	1.248	0	%100
8	M43	Z	-2.161	-2.161	0	%100
9	M46	X	1.956	1.956	0	%100
10	M46	Z	-3.387	-3.387	0	%100
11	M51B	X	1.437	1.437	0	%100
12	M51B	Z	-2.489	-2.489	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	.641	.641	0	%100
16	M76	Z	-1.11	-1.11	0	%100
17	M77	X	1.952	1.952	0	%100
18	M77	Z	-3.381	-3.381	0	%100
19	M80	X	2.038	2.038	0	%100
20	M80	Z	-3.53	-3.53	0	%100
21	M84	X	.641	.641	0	%100
22	M84	Z	-1.11	-1.11	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	.509	.509	0	%100
28	M52A	Z	-.882	-.882	0	%100
29	M53	X	1.248	1.248	0	%100
30	M53	Z	-2.161	-2.161	0	%100
31	M54	X	1.248	1.248	0	%100
32	M54	Z	-2.161	-2.161	0	%100
33	M55	X	1.956	1.956	0	%100
34	M55	Z	-3.387	-3.387	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	1.437	1.437	0	%100
38	M59A	Z	-2.489	-2.489	0	%100
39	M63	X	.641	.641	0	%100
40	M63	Z	-1.11	-1.11	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
43	M66	X	0	0	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	.641	.641	0	%100
46	M68	Z	-1.11	-1.11	0	%100
47	M69	X	1.952	1.952	0	%100
48	M69	Z	-3.381	-3.381	0	%100
49	M71	X	2.038	2.038	0	%100
50	M71	Z	-3.53	-3.53	0	%100
51	M76A	X	2.036	2.036	0	%100
52	M76A	Z	-3.527	-3.527	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	1.437	1.437	0	%100
60	M82	Z	-2.489	-2.489	0	%100
61	M83A	X	1.437	1.437	0	%100
62	M83A	Z	-2.489	-2.489	0	%100
63	M87	X	2.564	2.564	0	%100
64	M87	Z	-4.441	-4.441	0	%100
65	M88A	X	1.952	1.952	0	%100
66	M88A	Z	-3.381	-3.381	0	%100
67	M90	X	2.038	2.038	0	%100
68	M90	Z	-3.53	-3.53	0	%100
69	M92A	X	2.564	2.564	0	%100
70	M92A	Z	-4.441	-4.441	0	%100
71	M93	X	1.952	1.952	0	%100
72	M93	Z	-3.381	-3.381	0	%100
73	M95	X	2.038	2.038	0	%100
74	M95	Z	-3.53	-3.53	0	%100
75	M82A	X	1.513	1.513	0	%100
76	M82A	Z	-2.62	-2.62	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	1.623	1.623	0	%100
80	MP1A	Z	-2.811	-2.811	0	%100
81	MP2A	X	1.623	1.623	0	%100
82	MP2A	Z	-2.811	-2.811	0	%100
83	MP3A	X	1.623	1.623	0	%100
84	MP3A	Z	-2.811	-2.811	0	%100
85	MP4A	X	1.623	1.623	0	%100
86	MP4A	Z	-2.811	-2.811	0	%100
87	MP5A	X	1.623	1.623	0	%100
88	MP5A	Z	-2.811	-2.811	0	%100
89	MP1B	X	1.623	1.623	0	%100
90	MP1B	Z	-2.811	-2.811	0	%100
91	MP2B	X	1.623	1.623	0	%100
92	MP2B	Z	-2.811	-2.811	0	%100
93	MP3B	X	1.623	1.623	0	%100
94	MP3B	Z	-2.811	-2.811	0	%100
95	MP4B	X	1.623	1.623	0	%100
96	MP4B	Z	-2.811	-2.811	0	%100
97	MP5B	X	1.623	1.623	0	%100
98	MP5B	Z	-2.811	-2.811	0	%100
99	MP1C	X	1.623	1.623	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
100	MP1C	Z	-2.811	-2.811	0	%100
101	MP2C	X	1.623	1.623	0	%100
102	MP2C	Z	-2.811	-2.811	0	%100
103	MP3C	X	1.623	1.623	0	%100
104	MP3C	Z	-2.811	-2.811	0	%100
105	MP4C	X	1.623	1.623	0	%100
106	MP4C	Z	-2.811	-2.811	0	%100
107	MP5C	X	1.623	1.623	0	%100
108	MP5C	Z	-2.811	-2.811	0	%100
109	M108	X	1.209	1.209	0	%100
110	M108	Z	-2.094	-2.094	0	%100
111	M109	X	1.209	1.209	0	%100
112	M109	Z	-2.094	-2.094	0	%100
113	M110	X	1.513	1.513	0	%100
114	M110	Z	-2.62	-2.62	0	%100
115	M111	X	1.513	1.513	0	%100
116	M111	Z	-2.62	-2.62	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	.873	.873	0	%100
2	M1	Z	-.504	-.504	0	%100
3	M4	X	2.645	2.645	0	%100
4	M4	Z	-1.527	-1.527	0	%100
5	M10	X	.72	.72	0	%100
6	M10	Z	-.416	-.416	0	%100
7	M43	X	.72	.72	0	%100
8	M43	Z	-.416	-.416	0	%100
9	M46	X	1.129	1.129	0	%100
10	M46	Z	-.652	-.652	0	%100
11	M51B	X	3.319	3.319	0	%100
12	M51B	Z	-1.916	-1.916	0	%100
13	M52B	X	.83	.83	0	%100
14	M52B	Z	-.479	-.479	0	%100
15	M76	X	3.331	3.331	0	%100
16	M76	Z	-1.923	-1.923	0	%100
17	M77	X	4.508	4.508	0	%100
18	M77	Z	-2.603	-2.603	0	%100
19	M80	X	4.706	4.706	0	%100
20	M80	Z	-2.717	-2.717	0	%100
21	M84	X	3.331	3.331	0	%100
22	M84	Z	-1.923	-1.923	0	%100
23	M85	X	1.127	1.127	0	%100
24	M85	Z	-.651	-.651	0	%100
25	M91	X	1.177	1.177	0	%100
26	M91	Z	-.679	-.679	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	2.882	2.882	0	%100
30	M53	Z	-1.664	-1.664	0	%100
31	M54	X	2.882	2.882	0	%100
32	M54	Z	-1.664	-1.664	0	%100
33	M55	X	4.517	4.517	0	%100
34	M55	Z	-2.608	-2.608	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
35	M58A	X	.83	.83	0	%100
36	M58A	Z	-.479	-.479	0	%100
37	M59A	X	.83	.83	0	%100
38	M59A	Z	-.479	-.479	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	1.127	1.127	0	%100
42	M64	Z	-.651	-.651	0	%100
43	M66	X	1.177	1.177	0	%100
44	M66	Z	-.679	-.679	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	1.127	1.127	0	%100
48	M69	Z	-.651	-.651	0	%100
49	M71	X	1.177	1.177	0	%100
50	M71	Z	-.679	-.679	0	%100
51	M76A	X	2.645	2.645	0	%100
52	M76A	Z	-1.527	-1.527	0	%100
53	M77A	X	.72	.72	0	%100
54	M77A	Z	-.416	-.416	0	%100
55	M78	X	.72	.72	0	%100
56	M78	Z	-.416	-.416	0	%100
57	M79A	X	1.129	1.129	0	%100
58	M79A	Z	-.652	-.652	0	%100
59	M82	X	.83	.83	0	%100
60	M82	Z	-.479	-.479	0	%100
61	M83A	X	3.319	3.319	0	%100
62	M83A	Z	-1.916	-1.916	0	%100
63	M87	X	3.331	3.331	0	%100
64	M87	Z	-1.923	-1.923	0	%100
65	M88A	X	1.127	1.127	0	%100
66	M88A	Z	-.651	-.651	0	%100
67	M90	X	1.177	1.177	0	%100
68	M90	Z	-.679	-.679	0	%100
69	M92A	X	3.331	3.331	0	%100
70	M92A	Z	-1.923	-1.923	0	%100
71	M93	X	4.508	4.508	0	%100
72	M93	Z	-2.603	-2.603	0	%100
73	M95	X	4.706	4.706	0	%100
74	M95	Z	-2.717	-2.717	0	%100
75	M82A	X	3.494	3.494	0	%100
76	M82A	Z	-2.017	-2.017	0	%100
77	M91B	X	.873	.873	0	%100
78	M91B	Z	-.504	-.504	0	%100
79	MP1A	X	2.811	2.811	0	%100
80	MP1A	Z	-1.623	-1.623	0	%100
81	MP2A	X	2.811	2.811	0	%100
82	MP2A	Z	-1.623	-1.623	0	%100
83	MP3A	X	2.811	2.811	0	%100
84	MP3A	Z	-1.623	-1.623	0	%100
85	MP4A	X	2.811	2.811	0	%100
86	MP4A	Z	-1.623	-1.623	0	%100
87	MP5A	X	2.811	2.811	0	%100
88	MP5A	Z	-1.623	-1.623	0	%100
89	MP1B	X	2.811	2.811	0	%100
90	MP1B	Z	-1.623	-1.623	0	%100
91	MP2B	X	2.811	2.811	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
92	MP2B	Z	-1.623	-1.623	0	%100
93	MP3B	X	2.811	2.811	0	%100
94	MP3B	Z	-1.623	-1.623	0	%100
95	MP4B	X	2.811	2.811	0	%100
96	MP4B	Z	-1.623	-1.623	0	%100
97	MP5B	X	2.811	2.811	0	%100
98	MP5B	Z	-1.623	-1.623	0	%100
99	MP1C	X	2.811	2.811	0	%100
100	MP1C	Z	-1.623	-1.623	0	%100
101	MP2C	X	2.811	2.811	0	%100
102	MP2C	Z	-1.623	-1.623	0	%100
103	MP3C	X	2.811	2.811	0	%100
104	MP3C	Z	-1.623	-1.623	0	%100
105	MP4C	X	2.811	2.811	0	%100
106	MP4C	Z	-1.623	-1.623	0	%100
107	MP5C	X	2.811	2.811	0	%100
108	MP5C	Z	-1.623	-1.623	0	%100
109	M108	X	2.094	2.094	0	%100
110	M108	Z	-1.209	-1.209	0	%100
111	M109	X	2.094	2.094	0	%100
112	M109	Z	-1.209	-1.209	0	%100
113	M110	X	.873	.873	0	%100
114	M110	Z	-.504	-.504	0	%100
115	M111	X	3.494	3.494	0	%100
116	M111	Z	-2.017	-2.017	0	%100
117	M112	X	.873	.873	0	%100
118	M112	Z	-.504	-.504	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	4.073	4.073	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	2.874	2.874	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	2.874	2.874	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	5.128	5.128	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	3.904	3.904	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	4.076	4.076	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	5.128	5.128	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	3.904	3.904	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	4.076	4.076	0	%100
26	M91	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
27	M52A	X	1.018	1.018	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	2.496	2.496	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	2.496	2.496	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	3.912	3.912	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	2.874	2.874	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	0	0	0	%100
39	M63	X	1.282	1.282	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	3.904	3.904	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	4.076	4.076	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	1.282	1.282	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	1.018	1.018	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	2.496	2.496	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	2.496	2.496	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	3.912	3.912	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	2.874	2.874	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	1.282	1.282	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	0	0	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	0	0	0	%100
69	M92A	X	1.282	1.282	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	3.904	3.904	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	4.076	4.076	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	3.026	3.026	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	3.026	3.026	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	3.245	3.245	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	3.245	3.245	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	3.245	3.245	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
84	MP3A	Z	0	0	0	%100
85	MP4A	X	3.245	3.245	0	%100
86	MP4A	Z	0	0	0	%100
87	MP5A	X	3.245	3.245	0	%100
88	MP5A	Z	0	0	0	%100
89	MP1B	X	3.245	3.245	0	%100
90	MP1B	Z	0	0	0	%100
91	MP2B	X	3.245	3.245	0	%100
92	MP2B	Z	0	0	0	%100
93	MP3B	X	3.245	3.245	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	3.245	3.245	0	%100
96	MP4B	Z	0	0	0	%100
97	MP5B	X	3.245	3.245	0	%100
98	MP5B	Z	0	0	0	%100
99	MP1C	X	3.245	3.245	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	3.245	3.245	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	3.245	3.245	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	3.245	3.245	0	%100
106	MP4C	Z	0	0	0	%100
107	MP5C	X	3.245	3.245	0	%100
108	MP5C	Z	0	0	0	%100
109	M108	X	2.418	2.418	0	%100
110	M108	Z	0	0	0	%100
111	M109	X	2.418	2.418	0	%100
112	M109	Z	0	0	0	%100
113	M110	X	0	0	0	%100
114	M110	Z	0	0	0	%100
115	M111	X	3.026	3.026	0	%100
116	M111	Z	0	0	0	%100
117	M112	X	3.026	3.026	0	%100
118	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	.873	.873	0	%100
2	M1	Z	.504	.504	0	%100
3	M4	X	2.645	2.645	0	%100
4	M4	Z	1.527	1.527	0	%100
5	M10	X	.72	.72	0	%100
6	M10	Z	.416	.416	0	%100
7	M43	X	.72	.72	0	%100
8	M43	Z	.416	.416	0	%100
9	M46	X	1.129	1.129	0	%100
10	M46	Z	.652	.652	0	%100
11	M51B	X	.83	.83	0	%100
12	M51B	Z	.479	.479	0	%100
13	M52B	X	3.319	3.319	0	%100
14	M52B	Z	1.916	1.916	0	%100
15	M76	X	3.331	3.331	0	%100
16	M76	Z	1.923	1.923	0	%100
17	M77	X	1.127	1.127	0	%100
18	M77	Z	.651	.651	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
19	M80	X	1.177	1.177	0	%100
20	M80	Z	.679	.679	0	%100
21	M84	X	3.331	3.331	0	%100
22	M84	Z	1.923	1.923	0	%100
23	M85	X	4.508	4.508	0	%100
24	M85	Z	2.603	2.603	0	%100
25	M91	X	4.706	4.706	0	%100
26	M91	Z	2.717	2.717	0	%100
27	M52A	X	2.645	2.645	0	%100
28	M52A	Z	1.527	1.527	0	%100
29	M53	X	.72	.72	0	%100
30	M53	Z	.416	.416	0	%100
31	M54	X	.72	.72	0	%100
32	M54	Z	.416	.416	0	%100
33	M55	X	1.129	1.129	0	%100
34	M55	Z	.652	.652	0	%100
35	M58A	X	3.319	3.319	0	%100
36	M58A	Z	1.916	1.916	0	%100
37	M59A	X	.83	.83	0	%100
38	M59A	Z	.479	.479	0	%100
39	M63	X	3.331	3.331	0	%100
40	M63	Z	1.923	1.923	0	%100
41	M64	X	4.508	4.508	0	%100
42	M64	Z	2.603	2.603	0	%100
43	M66	X	4.706	4.706	0	%100
44	M66	Z	2.717	2.717	0	%100
45	M68	X	3.331	3.331	0	%100
46	M68	Z	1.923	1.923	0	%100
47	M69	X	1.127	1.127	0	%100
48	M69	Z	.651	.651	0	%100
49	M71	X	1.177	1.177	0	%100
50	M71	Z	.679	.679	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	2.882	2.882	0	%100
54	M77A	Z	1.664	1.664	0	%100
55	M78	X	2.882	2.882	0	%100
56	M78	Z	1.664	1.664	0	%100
57	M79A	X	4.517	4.517	0	%100
58	M79A	Z	2.608	2.608	0	%100
59	M82	X	.83	.83	0	%100
60	M82	Z	.479	.479	0	%100
61	M83A	X	.83	.83	0	%100
62	M83A	Z	.479	.479	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	1.127	1.127	0	%100
66	M88A	Z	.651	.651	0	%100
67	M90	X	1.177	1.177	0	%100
68	M90	Z	.679	.679	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	1.127	1.127	0	%100
72	M93	Z	.651	.651	0	%100
73	M95	X	1.177	1.177	0	%100
74	M95	Z	.679	.679	0	%100
75	M82A	X	.873	.873	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
76	M82A	Z	.504	.504	0	%100
77	M91B	X	3.494	3.494	0	%100
78	M91B	Z	2.017	2.017	0	%100
79	MP1A	X	2.811	2.811	0	%100
80	MP1A	Z	1.623	1.623	0	%100
81	MP2A	X	2.811	2.811	0	%100
82	MP2A	Z	1.623	1.623	0	%100
83	MP3A	X	2.811	2.811	0	%100
84	MP3A	Z	1.623	1.623	0	%100
85	MP4A	X	2.811	2.811	0	%100
86	MP4A	Z	1.623	1.623	0	%100
87	MP5A	X	2.811	2.811	0	%100
88	MP5A	Z	1.623	1.623	0	%100
89	MP1B	X	2.811	2.811	0	%100
90	MP1B	Z	1.623	1.623	0	%100
91	MP2B	X	2.811	2.811	0	%100
92	MP2B	Z	1.623	1.623	0	%100
93	MP3B	X	2.811	2.811	0	%100
94	MP3B	Z	1.623	1.623	0	%100
95	MP4B	X	2.811	2.811	0	%100
96	MP4B	Z	1.623	1.623	0	%100
97	MP5B	X	2.811	2.811	0	%100
98	MP5B	Z	1.623	1.623	0	%100
99	MP1C	X	2.811	2.811	0	%100
100	MP1C	Z	1.623	1.623	0	%100
101	MP2C	X	2.811	2.811	0	%100
102	MP2C	Z	1.623	1.623	0	%100
103	MP3C	X	2.811	2.811	0	%100
104	MP3C	Z	1.623	1.623	0	%100
105	MP4C	X	2.811	2.811	0	%100
106	MP4C	Z	1.623	1.623	0	%100
107	MP5C	X	2.811	2.811	0	%100
108	MP5C	Z	1.623	1.623	0	%100
109	M108	X	2.094	2.094	0	%100
110	M108	Z	1.209	1.209	0	%100
111	M109	X	2.094	2.094	0	%100
112	M109	Z	1.209	1.209	0	%100
113	M110	X	.873	.873	0	%100
114	M110	Z	.504	.504	0	%100
115	M111	X	.873	.873	0	%100
116	M111	Z	.504	.504	0	%100
117	M112	X	3.494	3.494	0	%100
118	M112	Z	2.017	2.017	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	1.513	1.513	0	%100
2	M1	Z	2.62	2.62	0	%100
3	M4	X	.509	.509	0	%100
4	M4	Z	.882	.882	0	%100
5	M10	X	1.248	1.248	0	%100
6	M10	Z	2.161	2.161	0	%100
7	M43	X	1.248	1.248	0	%100
8	M43	Z	2.161	2.161	0	%100
9	M46	X	1.956	1.956	0	%100
10	M46	Z	3.387	3.387	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	1.437	1.437	0	%100
14	M52B	Z	2.489	2.489	0	%100
15	M76	X	.641	.641	0	%100
16	M76	Z	1.11	1.11	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	.641	.641	0	%100
22	M84	Z	1.11	1.11	0	%100
23	M85	X	1.952	1.952	0	%100
24	M85	Z	3.381	3.381	0	%100
25	M91	X	2.038	2.038	0	%100
26	M91	Z	3.53	3.53	0	%100
27	M52A	X	2.036	2.036	0	%100
28	M52A	Z	3.527	3.527	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	1.437	1.437	0	%100
36	M58A	Z	2.489	2.489	0	%100
37	M59A	X	1.437	1.437	0	%100
38	M59A	Z	2.489	2.489	0	%100
39	M63	X	2.564	2.564	0	%100
40	M63	Z	4.441	4.441	0	%100
41	M64	X	1.952	1.952	0	%100
42	M64	Z	3.381	3.381	0	%100
43	M66	X	2.038	2.038	0	%100
44	M66	Z	3.53	3.53	0	%100
45	M68	X	2.564	2.564	0	%100
46	M68	Z	4.441	4.441	0	%100
47	M69	X	1.952	1.952	0	%100
48	M69	Z	3.381	3.381	0	%100
49	M71	X	2.038	2.038	0	%100
50	M71	Z	3.53	3.53	0	%100
51	M76A	X	.509	.509	0	%100
52	M76A	Z	.882	.882	0	%100
53	M77A	X	1.248	1.248	0	%100
54	M77A	Z	2.161	2.161	0	%100
55	M78	X	1.248	1.248	0	%100
56	M78	Z	2.161	2.161	0	%100
57	M79A	X	1.956	1.956	0	%100
58	M79A	Z	3.387	3.387	0	%100
59	M82	X	1.437	1.437	0	%100
60	M82	Z	2.489	2.489	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	.641	.641	0	%100
64	M87	Z	1.11	1.11	0	%100
65	M88A	X	1.952	1.952	0	%100
66	M88A	Z	3.381	3.381	0	%100
67	M90	X	2.038	2.038	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
68	M90	Z	3.53	3.53	0	%100
69	M92A	X	.641	.641	0	%100
70	M92A	Z	1.11	1.11	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	1.513	1.513	0	%100
78	M91B	Z	2.62	2.62	0	%100
79	MP1A	X	1.623	1.623	0	%100
80	MP1A	Z	2.811	2.811	0	%100
81	MP2A	X	1.623	1.623	0	%100
82	MP2A	Z	2.811	2.811	0	%100
83	MP3A	X	1.623	1.623	0	%100
84	MP3A	Z	2.811	2.811	0	%100
85	MP4A	X	1.623	1.623	0	%100
86	MP4A	Z	2.811	2.811	0	%100
87	MP5A	X	1.623	1.623	0	%100
88	MP5A	Z	2.811	2.811	0	%100
89	MP1B	X	1.623	1.623	0	%100
90	MP1B	Z	2.811	2.811	0	%100
91	MP2B	X	1.623	1.623	0	%100
92	MP2B	Z	2.811	2.811	0	%100
93	MP3B	X	1.623	1.623	0	%100
94	MP3B	Z	2.811	2.811	0	%100
95	MP4B	X	1.623	1.623	0	%100
96	MP4B	Z	2.811	2.811	0	%100
97	MP5B	X	1.623	1.623	0	%100
98	MP5B	Z	2.811	2.811	0	%100
99	MP1C	X	1.623	1.623	0	%100
100	MP1C	Z	2.811	2.811	0	%100
101	MP2C	X	1.623	1.623	0	%100
102	MP2C	Z	2.811	2.811	0	%100
103	MP3C	X	1.623	1.623	0	%100
104	MP3C	Z	2.811	2.811	0	%100
105	MP4C	X	1.623	1.623	0	%100
106	MP4C	Z	2.811	2.811	0	%100
107	MP5C	X	1.623	1.623	0	%100
108	MP5C	Z	2.811	2.811	0	%100
109	M108	X	1.209	1.209	0	%100
110	M108	Z	2.094	2.094	0	%100
111	M109	X	1.209	1.209	0	%100
112	M109	Z	2.094	2.094	0	%100
113	M110	X	1.513	1.513	0	%100
114	M110	Z	2.62	2.62	0	%100
115	M111	X	0	0	0	%100
116	M111	Z	0	0	0	%100
117	M112	X	1.513	1.513	0	%100
118	M112	Z	2.62	2.62	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	0	0	0	%100
2	M1	Z	4.034	4.034	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	3.327	3.327	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	3.327	3.327	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	5.215	5.215	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	.958	.958	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	.958	.958	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	1.301	1.301	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	1.359	1.359	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	1.301	1.301	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	1.359	1.359	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	3.054	3.054	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	.832	.832	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	.832	.832	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	1.304	1.304	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	.958	.958	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	3.833	3.833	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	3.846	3.846	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	1.301	1.301	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	1.359	1.359	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	3.846	3.846	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	5.206	5.206	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	5.434	5.434	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	3.054	3.054	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	.832	.832	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	.832	.832	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	1.304	1.304	0	%100
59	M82	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
60	M82	Z	3.833	3.833	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	.958	.958	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	3.846	3.846	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	5.206	5.206	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	5.434	5.434	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	3.846	3.846	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	1.301	1.301	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	1.359	1.359	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	1.009	1.009	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	1.009	1.009	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	3.245	3.245	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	3.245	3.245	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	3.245	3.245	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	3.245	3.245	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	3.245	3.245	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	3.245	3.245	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	3.245	3.245	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	3.245	3.245	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	3.245	3.245	0	%100
97	MP5B	X	0	0	0	%100
98	MP5B	Z	3.245	3.245	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	3.245	3.245	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	3.245	3.245	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	3.245	3.245	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	3.245	3.245	0	%100
107	MP5C	X	0	0	0	%100
108	MP5C	Z	3.245	3.245	0	%100
109	M108	X	0	0	0	%100
110	M108	Z	2.418	2.418	0	%100
111	M109	X	0	0	0	%100
112	M109	Z	2.418	2.418	0	%100
113	M110	X	0	0	0	%100
114	M110	Z	4.034	4.034	0	%100
115	M111	X	0	0	0	%100
116	M111	Z	1.009	1.009	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
117	M112	X	0	0	0	%100
118	M112	Z	1.009	1.009	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	-1.513	-1.513	0	%100
2	M1	Z	2.62	2.62	0	%100
3	M4	X	-.509	-.509	0	%100
4	M4	Z	.882	.882	0	%100
5	M10	X	-1.248	-1.248	0	%100
6	M10	Z	2.161	2.161	0	%100
7	M43	X	-1.248	-1.248	0	%100
8	M43	Z	2.161	2.161	0	%100
9	M46	X	-1.956	-1.956	0	%100
10	M46	Z	3.387	3.387	0	%100
11	M51B	X	-1.437	-1.437	0	%100
12	M51B	Z	2.489	2.489	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-.641	-.641	0	%100
16	M76	Z	1.11	1.11	0	%100
17	M77	X	-1.952	-1.952	0	%100
18	M77	Z	3.381	3.381	0	%100
19	M80	X	-2.038	-2.038	0	%100
20	M80	Z	3.53	3.53	0	%100
21	M84	X	-.641	-.641	0	%100
22	M84	Z	1.11	1.11	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	-.509	-.509	0	%100
28	M52A	Z	.882	.882	0	%100
29	M53	X	-1.248	-1.248	0	%100
30	M53	Z	2.161	2.161	0	%100
31	M54	X	-1.248	-1.248	0	%100
32	M54	Z	2.161	2.161	0	%100
33	M55	X	-1.956	-1.956	0	%100
34	M55	Z	3.387	3.387	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	-1.437	-1.437	0	%100
38	M59A	Z	2.489	2.489	0	%100
39	M63	X	-.641	-.641	0	%100
40	M63	Z	1.11	1.11	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	-.641	-.641	0	%100
46	M68	Z	1.11	1.11	0	%100
47	M69	X	-1.952	-1.952	0	%100
48	M69	Z	3.381	3.381	0	%100
49	M71	X	-2.038	-2.038	0	%100
50	M71	Z	3.53	3.53	0	%100
51	M76A	X	-2.036	-2.036	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
52	M76A	Z	3.527	3.527	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	-1.437	-1.437	0	%100
60	M82	Z	2.489	2.489	0	%100
61	M83A	X	-1.437	-1.437	0	%100
62	M83A	Z	2.489	2.489	0	%100
63	M87	X	-2.564	-2.564	0	%100
64	M87	Z	4.441	4.441	0	%100
65	M88A	X	-1.952	-1.952	0	%100
66	M88A	Z	3.381	3.381	0	%100
67	M90	X	-2.038	-2.038	0	%100
68	M90	Z	3.53	3.53	0	%100
69	M92A	X	-2.564	-2.564	0	%100
70	M92A	Z	4.441	4.441	0	%100
71	M93	X	-1.952	-1.952	0	%100
72	M93	Z	3.381	3.381	0	%100
73	M95	X	-2.038	-2.038	0	%100
74	M95	Z	3.53	3.53	0	%100
75	M82A	X	-1.513	-1.513	0	%100
76	M82A	Z	2.62	2.62	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	-1.623	-1.623	0	%100
80	MP1A	Z	2.811	2.811	0	%100
81	MP2A	X	-1.623	-1.623	0	%100
82	MP2A	Z	2.811	2.811	0	%100
83	MP3A	X	-1.623	-1.623	0	%100
84	MP3A	Z	2.811	2.811	0	%100
85	MP4A	X	-1.623	-1.623	0	%100
86	MP4A	Z	2.811	2.811	0	%100
87	MP5A	X	-1.623	-1.623	0	%100
88	MP5A	Z	2.811	2.811	0	%100
89	MP1B	X	-1.623	-1.623	0	%100
90	MP1B	Z	2.811	2.811	0	%100
91	MP2B	X	-1.623	-1.623	0	%100
92	MP2B	Z	2.811	2.811	0	%100
93	MP3B	X	-1.623	-1.623	0	%100
94	MP3B	Z	2.811	2.811	0	%100
95	MP4B	X	-1.623	-1.623	0	%100
96	MP4B	Z	2.811	2.811	0	%100
97	MP5B	X	-1.623	-1.623	0	%100
98	MP5B	Z	2.811	2.811	0	%100
99	MP1C	X	-1.623	-1.623	0	%100
100	MP1C	Z	2.811	2.811	0	%100
101	MP2C	X	-1.623	-1.623	0	%100
102	MP2C	Z	2.811	2.811	0	%100
103	MP3C	X	-1.623	-1.623	0	%100
104	MP3C	Z	2.811	2.811	0	%100
105	MP4C	X	-1.623	-1.623	0	%100
106	MP4C	Z	2.811	2.811	0	%100
107	MP5C	X	-1.623	-1.623	0	%100
108	MP5C	Z	2.811	2.811	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
109	M108	X	-1.209	-1.209	0	%100
110	M108	Z	2.094	2.094	0	%100
111	M109	X	-1.209	-1.209	0	%100
112	M109	Z	2.094	2.094	0	%100
113	M110	X	-1.513	-1.513	0	%100
114	M110	Z	2.62	2.62	0	%100
115	M111	X	-1.513	-1.513	0	%100
116	M111	Z	2.62	2.62	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	-.873	-.873	0	%100
2	M1	Z	.504	.504	0	%100
3	M4	X	-2.645	-2.645	0	%100
4	M4	Z	1.527	1.527	0	%100
5	M10	X	-.72	-.72	0	%100
6	M10	Z	.416	.416	0	%100
7	M43	X	-.72	-.72	0	%100
8	M43	Z	.416	.416	0	%100
9	M46	X	-1.129	-1.129	0	%100
10	M46	Z	.652	.652	0	%100
11	M51B	X	-3.319	-3.319	0	%100
12	M51B	Z	1.916	1.916	0	%100
13	M52B	X	-.83	-.83	0	%100
14	M52B	Z	.479	.479	0	%100
15	M76	X	-3.331	-3.331	0	%100
16	M76	Z	1.923	1.923	0	%100
17	M77	X	-4.508	-4.508	0	%100
18	M77	Z	2.603	2.603	0	%100
19	M80	X	-4.706	-4.706	0	%100
20	M80	Z	2.717	2.717	0	%100
21	M84	X	-3.331	-3.331	0	%100
22	M84	Z	1.923	1.923	0	%100
23	M85	X	-1.127	-1.127	0	%100
24	M85	Z	.651	.651	0	%100
25	M91	X	-1.177	-1.177	0	%100
26	M91	Z	.679	.679	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	-2.882	-2.882	0	%100
30	M53	Z	1.664	1.664	0	%100
31	M54	X	-2.882	-2.882	0	%100
32	M54	Z	1.664	1.664	0	%100
33	M55	X	-4.517	-4.517	0	%100
34	M55	Z	2.608	2.608	0	%100
35	M58A	X	-.83	-.83	0	%100
36	M58A	Z	.479	.479	0	%100
37	M59A	X	-.83	-.83	0	%100
38	M59A	Z	.479	.479	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	-1.127	-1.127	0	%100
42	M64	Z	.651	.651	0	%100
43	M66	X	-1.177	-1.177	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
44	M66	Z	.679	.679	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	-1.127	-1.127	0	%100
48	M69	Z	.651	.651	0	%100
49	M71	X	-1.177	-1.177	0	%100
50	M71	Z	.679	.679	0	%100
51	M76A	X	-2.645	-2.645	0	%100
52	M76A	Z	1.527	1.527	0	%100
53	M77A	X	-.72	-.72	0	%100
54	M77A	Z	.416	.416	0	%100
55	M78	X	-.72	-.72	0	%100
56	M78	Z	.416	.416	0	%100
57	M79A	X	-1.129	-1.129	0	%100
58	M79A	Z	.652	.652	0	%100
59	M82	X	-.83	-.83	0	%100
60	M82	Z	.479	.479	0	%100
61	M83A	X	-3.319	-3.319	0	%100
62	M83A	Z	1.916	1.916	0	%100
63	M87	X	-3.331	-3.331	0	%100
64	M87	Z	1.923	1.923	0	%100
65	M88A	X	-1.127	-1.127	0	%100
66	M88A	Z	.651	.651	0	%100
67	M90	X	-1.177	-1.177	0	%100
68	M90	Z	.679	.679	0	%100
69	M92A	X	-3.331	-3.331	0	%100
70	M92A	Z	1.923	1.923	0	%100
71	M93	X	-4.508	-4.508	0	%100
72	M93	Z	2.603	2.603	0	%100
73	M95	X	-4.706	-4.706	0	%100
74	M95	Z	2.717	2.717	0	%100
75	M82A	X	-3.494	-3.494	0	%100
76	M82A	Z	2.017	2.017	0	%100
77	M91B	X	-.873	-.873	0	%100
78	M91B	Z	.504	.504	0	%100
79	MP1A	X	-2.811	-2.811	0	%100
80	MP1A	Z	1.623	1.623	0	%100
81	MP2A	X	-2.811	-2.811	0	%100
82	MP2A	Z	1.623	1.623	0	%100
83	MP3A	X	-2.811	-2.811	0	%100
84	MP3A	Z	1.623	1.623	0	%100
85	MP4A	X	-2.811	-2.811	0	%100
86	MP4A	Z	1.623	1.623	0	%100
87	MP5A	X	-2.811	-2.811	0	%100
88	MP5A	Z	1.623	1.623	0	%100
89	MP1B	X	-2.811	-2.811	0	%100
90	MP1B	Z	1.623	1.623	0	%100
91	MP2B	X	-2.811	-2.811	0	%100
92	MP2B	Z	1.623	1.623	0	%100
93	MP3B	X	-2.811	-2.811	0	%100
94	MP3B	Z	1.623	1.623	0	%100
95	MP4B	X	-2.811	-2.811	0	%100
96	MP4B	Z	1.623	1.623	0	%100
97	MP5B	X	-2.811	-2.811	0	%100
98	MP5B	Z	1.623	1.623	0	%100
99	MP1C	X	-2.811	-2.811	0	%100
100	MP1C	Z	1.623	1.623	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
101	MP2C	X	-2.811	-2.811	0	%100
102	MP2C	Z	1.623	1.623	0	%100
103	MP3C	X	-2.811	-2.811	0	%100
104	MP3C	Z	1.623	1.623	0	%100
105	MP4C	X	-2.811	-2.811	0	%100
106	MP4C	Z	1.623	1.623	0	%100
107	MP5C	X	-2.811	-2.811	0	%100
108	MP5C	Z	1.623	1.623	0	%100
109	M108	X	-2.094	-2.094	0	%100
110	M108	Z	1.209	1.209	0	%100
111	M109	X	-2.094	-2.094	0	%100
112	M109	Z	1.209	1.209	0	%100
113	M110	X	-.873	-.873	0	%100
114	M110	Z	.504	.504	0	%100
115	M111	X	-3.494	-3.494	0	%100
116	M111	Z	2.017	2.017	0	%100
117	M112	X	-.873	-.873	0	%100
118	M112	Z	.504	.504	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-4.073	-4.073	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	-2.874	-2.874	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-2.874	-2.874	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-5.128	-5.128	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	-3.904	-3.904	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	-4.076	-4.076	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-5.128	-5.128	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	-3.904	-3.904	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	-4.076	-4.076	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	-1.018	-1.018	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	-2.496	-2.496	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	-2.496	-2.496	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	-3.912	-3.912	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	-2.874	-2.874	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
36	M58A	Z	0	0	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	0	0	0	%100
39	M63	X	-1.282	-1.282	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	-3.904	-3.904	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	-4.076	-4.076	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	-1.282	-1.282	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	-1.018	-1.018	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	-2.496	-2.496	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	-2.496	-2.496	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	-3.912	-3.912	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	-2.874	-2.874	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	-1.282	-1.282	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	0	0	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	0	0	0	%100
69	M92A	X	-1.282	-1.282	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	-3.904	-3.904	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	-4.076	-4.076	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	-3.026	-3.026	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	-3.026	-3.026	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	-3.245	-3.245	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-3.245	-3.245	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-3.245	-3.245	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-3.245	-3.245	0	%100
86	MP4A	Z	0	0	0	%100
87	MP5A	X	-3.245	-3.245	0	%100
88	MP5A	Z	0	0	0	%100
89	MP1B	X	-3.245	-3.245	0	%100
90	MP1B	Z	0	0	0	%100
91	MP2B	X	-3.245	-3.245	0	%100
92	MP2B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
93	MP3B	X	-3.245	-3.245	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	-3.245	-3.245	0	%100
96	MP4B	Z	0	0	0	%100
97	MP5B	X	-3.245	-3.245	0	%100
98	MP5B	Z	0	0	0	%100
99	MP1C	X	-3.245	-3.245	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	-3.245	-3.245	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	-3.245	-3.245	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	-3.245	-3.245	0	%100
106	MP4C	Z	0	0	0	%100
107	MP5C	X	-3.245	-3.245	0	%100
108	MP5C	Z	0	0	0	%100
109	M108	X	-2.418	-2.418	0	%100
110	M108	Z	0	0	0	%100
111	M109	X	-2.418	-2.418	0	%100
112	M109	Z	0	0	0	%100
113	M110	X	0	0	0	%100
114	M110	Z	0	0	0	%100
115	M111	X	-3.026	-3.026	0	%100
116	M111	Z	0	0	0	%100
117	M112	X	-3.026	-3.026	0	%100
118	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	-.873	-.873	0	%100
2	M1	Z	-.504	-.504	0	%100
3	M4	X	-2.645	-2.645	0	%100
4	M4	Z	-1.527	-1.527	0	%100
5	M10	X	-.72	-.72	0	%100
6	M10	Z	-.416	-.416	0	%100
7	M43	X	-.72	-.72	0	%100
8	M43	Z	-.416	-.416	0	%100
9	M46	X	-1.129	-1.129	0	%100
10	M46	Z	-.652	-.652	0	%100
11	M51B	X	-.83	-.83	0	%100
12	M51B	Z	-.479	-.479	0	%100
13	M52B	X	-3.319	-3.319	0	%100
14	M52B	Z	-1.916	-1.916	0	%100
15	M76	X	-3.331	-3.331	0	%100
16	M76	Z	-1.923	-1.923	0	%100
17	M77	X	-1.127	-1.127	0	%100
18	M77	Z	-.651	-.651	0	%100
19	M80	X	-1.177	-1.177	0	%100
20	M80	Z	-.679	-.679	0	%100
21	M84	X	-3.331	-3.331	0	%100
22	M84	Z	-1.923	-1.923	0	%100
23	M85	X	-4.508	-4.508	0	%100
24	M85	Z	-2.603	-2.603	0	%100
25	M91	X	-4.706	-4.706	0	%100
26	M91	Z	-2.717	-2.717	0	%100
27	M52A	X	-2.645	-2.645	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
28	M52A	Z	-1.527	-1.527	0	%100
29	M53	X	-.72	-.72	0	%100
30	M53	Z	-.416	-.416	0	%100
31	M54	X	-.72	-.72	0	%100
32	M54	Z	-.416	-.416	0	%100
33	M55	X	-1.129	-1.129	0	%100
34	M55	Z	-.652	-.652	0	%100
35	M58A	X	-3.319	-3.319	0	%100
36	M58A	Z	-1.916	-1.916	0	%100
37	M59A	X	-.83	-.83	0	%100
38	M59A	Z	-.479	-.479	0	%100
39	M63	X	-3.331	-3.331	0	%100
40	M63	Z	-1.923	-1.923	0	%100
41	M64	X	-4.508	-4.508	0	%100
42	M64	Z	-2.603	-2.603	0	%100
43	M66	X	-4.706	-4.706	0	%100
44	M66	Z	-2.717	-2.717	0	%100
45	M68	X	-3.331	-3.331	0	%100
46	M68	Z	-1.923	-1.923	0	%100
47	M69	X	-1.127	-1.127	0	%100
48	M69	Z	-.651	-.651	0	%100
49	M71	X	-1.177	-1.177	0	%100
50	M71	Z	-.679	-.679	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	-2.882	-2.882	0	%100
54	M77A	Z	-1.664	-1.664	0	%100
55	M78	X	-2.882	-2.882	0	%100
56	M78	Z	-1.664	-1.664	0	%100
57	M79A	X	-4.517	-4.517	0	%100
58	M79A	Z	-2.608	-2.608	0	%100
59	M82	X	-.83	-.83	0	%100
60	M82	Z	-.479	-.479	0	%100
61	M83A	X	-.83	-.83	0	%100
62	M83A	Z	-.479	-.479	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	-1.127	-1.127	0	%100
66	M88A	Z	-.651	-.651	0	%100
67	M90	X	-1.177	-1.177	0	%100
68	M90	Z	-.679	-.679	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	-1.127	-1.127	0	%100
72	M93	Z	-.651	-.651	0	%100
73	M95	X	-1.177	-1.177	0	%100
74	M95	Z	-.679	-.679	0	%100
75	M82A	X	-.873	-.873	0	%100
76	M82A	Z	-.504	-.504	0	%100
77	M91B	X	-3.494	-3.494	0	%100
78	M91B	Z	-2.017	-2.017	0	%100
79	MP1A	X	-2.811	-2.811	0	%100
80	MP1A	Z	-1.623	-1.623	0	%100
81	MP2A	X	-2.811	-2.811	0	%100
82	MP2A	Z	-1.623	-1.623	0	%100
83	MP3A	X	-2.811	-2.811	0	%100
84	MP3A	Z	-1.623	-1.623	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
85	MP4A	X	-2.811	-2.811	0	%100
86	MP4A	Z	-1.623	-1.623	0	%100
87	MP5A	X	-2.811	-2.811	0	%100
88	MP5A	Z	-1.623	-1.623	0	%100
89	MP1B	X	-2.811	-2.811	0	%100
90	MP1B	Z	-1.623	-1.623	0	%100
91	MP2B	X	-2.811	-2.811	0	%100
92	MP2B	Z	-1.623	-1.623	0	%100
93	MP3B	X	-2.811	-2.811	0	%100
94	MP3B	Z	-1.623	-1.623	0	%100
95	MP4B	X	-2.811	-2.811	0	%100
96	MP4B	Z	-1.623	-1.623	0	%100
97	MP5B	X	-2.811	-2.811	0	%100
98	MP5B	Z	-1.623	-1.623	0	%100
99	MP1C	X	-2.811	-2.811	0	%100
100	MP1C	Z	-1.623	-1.623	0	%100
101	MP2C	X	-2.811	-2.811	0	%100
102	MP2C	Z	-1.623	-1.623	0	%100
103	MP3C	X	-2.811	-2.811	0	%100
104	MP3C	Z	-1.623	-1.623	0	%100
105	MP4C	X	-2.811	-2.811	0	%100
106	MP4C	Z	-1.623	-1.623	0	%100
107	MP5C	X	-2.811	-2.811	0	%100
108	MP5C	Z	-1.623	-1.623	0	%100
109	M108	X	-2.094	-2.094	0	%100
110	M108	Z	-1.209	-1.209	0	%100
111	M109	X	-2.094	-2.094	0	%100
112	M109	Z	-1.209	-1.209	0	%100
113	M110	X	-.873	-.873	0	%100
114	M110	Z	-.504	-.504	0	%100
115	M111	X	-.873	-.873	0	%100
116	M111	Z	-.504	-.504	0	%100
117	M112	X	-3.494	-3.494	0	%100
118	M112	Z	-2.017	-2.017	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	-1.513	-1.513	0	%100
2	M1	Z	-2.62	-2.62	0	%100
3	M4	X	-.509	-.509	0	%100
4	M4	Z	-.882	-.882	0	%100
5	M10	X	-1.248	-1.248	0	%100
6	M10	Z	-2.161	-2.161	0	%100
7	M43	X	-1.248	-1.248	0	%100
8	M43	Z	-2.161	-2.161	0	%100
9	M46	X	-1.956	-1.956	0	%100
10	M46	Z	-3.387	-3.387	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-1.437	-1.437	0	%100
14	M52B	Z	-2.489	-2.489	0	%100
15	M76	X	-.641	-.641	0	%100
16	M76	Z	-1.11	-1.11	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
20	M80	Z	0	0	0	%100
21	M84	X	-.641	-.641	0	%100
22	M84	Z	-1.11	-1.11	0	%100
23	M85	X	-1.952	-1.952	0	%100
24	M85	Z	-3.381	-3.381	0	%100
25	M91	X	-2.038	-2.038	0	%100
26	M91	Z	-3.53	-3.53	0	%100
27	M52A	X	-2.036	-2.036	0	%100
28	M52A	Z	-3.527	-3.527	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	-1.437	-1.437	0	%100
36	M58A	Z	-2.489	-2.489	0	%100
37	M59A	X	-1.437	-1.437	0	%100
38	M59A	Z	-2.489	-2.489	0	%100
39	M63	X	-2.564	-2.564	0	%100
40	M63	Z	-4.441	-4.441	0	%100
41	M64	X	-1.952	-1.952	0	%100
42	M64	Z	-3.381	-3.381	0	%100
43	M66	X	-2.038	-2.038	0	%100
44	M66	Z	-3.53	-3.53	0	%100
45	M68	X	-2.564	-2.564	0	%100
46	M68	Z	-4.441	-4.441	0	%100
47	M69	X	-1.952	-1.952	0	%100
48	M69	Z	-3.381	-3.381	0	%100
49	M71	X	-2.038	-2.038	0	%100
50	M71	Z	-3.53	-3.53	0	%100
51	M76A	X	-.509	-.509	0	%100
52	M76A	Z	-.882	-.882	0	%100
53	M77A	X	-1.248	-1.248	0	%100
54	M77A	Z	-2.161	-2.161	0	%100
55	M78	X	-1.248	-1.248	0	%100
56	M78	Z	-2.161	-2.161	0	%100
57	M79A	X	-1.956	-1.956	0	%100
58	M79A	Z	-3.387	-3.387	0	%100
59	M82	X	-1.437	-1.437	0	%100
60	M82	Z	-2.489	-2.489	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	-.641	-.641	0	%100
64	M87	Z	-1.11	-1.11	0	%100
65	M88A	X	-1.952	-1.952	0	%100
66	M88A	Z	-3.381	-3.381	0	%100
67	M90	X	-2.038	-2.038	0	%100
68	M90	Z	-3.53	-3.53	0	%100
69	M92A	X	-.641	-.641	0	%100
70	M92A	Z	-1.11	-1.11	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
77	M91B	X	-1.513	-1.513	0	%100
78	M91B	Z	-2.62	-2.62	0	%100
79	MP1A	X	-1.623	-1.623	0	%100
80	MP1A	Z	-2.811	-2.811	0	%100
81	MP2A	X	-1.623	-1.623	0	%100
82	MP2A	Z	-2.811	-2.811	0	%100
83	MP3A	X	-1.623	-1.623	0	%100
84	MP3A	Z	-2.811	-2.811	0	%100
85	MP4A	X	-1.623	-1.623	0	%100
86	MP4A	Z	-2.811	-2.811	0	%100
87	MP5A	X	-1.623	-1.623	0	%100
88	MP5A	Z	-2.811	-2.811	0	%100
89	MP1B	X	-1.623	-1.623	0	%100
90	MP1B	Z	-2.811	-2.811	0	%100
91	MP2B	X	-1.623	-1.623	0	%100
92	MP2B	Z	-2.811	-2.811	0	%100
93	MP3B	X	-1.623	-1.623	0	%100
94	MP3B	Z	-2.811	-2.811	0	%100
95	MP4B	X	-1.623	-1.623	0	%100
96	MP4B	Z	-2.811	-2.811	0	%100
97	MP5B	X	-1.623	-1.623	0	%100
98	MP5B	Z	-2.811	-2.811	0	%100
99	MP1C	X	-1.623	-1.623	0	%100
100	MP1C	Z	-2.811	-2.811	0	%100
101	MP2C	X	-1.623	-1.623	0	%100
102	MP2C	Z	-2.811	-2.811	0	%100
103	MP3C	X	-1.623	-1.623	0	%100
104	MP3C	Z	-2.811	-2.811	0	%100
105	MP4C	X	-1.623	-1.623	0	%100
106	MP4C	Z	-2.811	-2.811	0	%100
107	MP5C	X	-1.623	-1.623	0	%100
108	MP5C	Z	-2.811	-2.811	0	%100
109	M108	X	-1.209	-1.209	0	%100
110	M108	Z	-2.094	-2.094	0	%100
111	M109	X	-1.209	-1.209	0	%100
112	M109	Z	-2.094	-2.094	0	%100
113	M110	X	-1.513	-1.513	0	%100
114	M110	Z	-2.62	-2.62	0	%100
115	M111	X	0	0	0	%100
116	M111	Z	0	0	0	%100
117	M112	X	-1.513	-1.513	0	%100
118	M112	Z	-2.62	-2.62	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	0	0	0	%100
2	M1	Z	-.773	-.773	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	-.759	-.759	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	-.759	-.759	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	-1.514	-1.514	0	%100
11	M51B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
12	M51B	Z	-.21	-.21	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	-.21	-.21	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	-.386	-.386	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	-.406	-.406	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	-.386	-.386	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	-.406	-.406	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	-.673	-.673	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	-.19	-.19	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	-.19	-.19	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	-.379	-.379	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	-.21	-.21	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	-.841	-.841	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	-1.136	-1.136	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	-.386	-.386	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	-.406	-.406	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	-1.136	-1.136	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	-1.542	-1.542	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	-1.624	-1.624	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	-.673	-.673	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	-.19	-.19	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	-.19	-.19	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	-.379	-.379	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	-.841	-.841	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	-.21	-.21	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	-1.136	-1.136	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	-1.542	-1.542	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	-1.624	-1.624	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
69	M92A	X	0	0	0	%100
70	M92A	Z	-1.136	-1.136	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	-.386	-.386	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	-.406	-.406	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	-.193	-.193	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	-.193	-.193	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-.599	-.599	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-.599	-.599	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-.599	-.599	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-.599	-.599	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	-.599	-.599	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	-.599	-.599	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	-.599	-.599	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	-.599	-.599	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-.599	-.599	0	%100
97	MP5B	X	0	0	0	%100
98	MP5B	Z	-.599	-.599	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-.599	-.599	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	-.599	-.599	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-.599	-.599	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-.599	-.599	0	%100
107	MP5C	X	0	0	0	%100
108	MP5C	Z	-.599	-.599	0	%100
109	M108	X	0	0	0	%100
110	M108	Z	-.443	-.443	0	%100
111	M109	X	0	0	0	%100
112	M109	Z	-.443	-.443	0	%100
113	M110	X	0	0	0	%100
114	M110	Z	-.773	-.773	0	%100
115	M111	X	0	0	0	%100
116	M111	Z	-.193	-.193	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	-.193	-.193	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	.29	.29	0	%100
2	M1	Z	-.502	-.502	0	%100
3	M4	X	.112	.112	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
4	M4	Z	-.194	-.194	0	%100
5	M10	X	.285	.285	0	%100
6	M10	Z	-.493	-.493	0	%100
7	M43	X	.285	.285	0	%100
8	M43	Z	-.493	-.493	0	%100
9	M46	X	.568	.568	0	%100
10	M46	Z	-.983	-.983	0	%100
11	M51B	X	.315	.315	0	%100
12	M51B	Z	-.546	-.546	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	.189	.189	0	%100
16	M76	Z	-.328	-.328	0	%100
17	M77	X	.578	.578	0	%100
18	M77	Z	-1.002	-1.002	0	%100
19	M80	X	.609	.609	0	%100
20	M80	Z	-1.055	-1.055	0	%100
21	M84	X	.189	.189	0	%100
22	M84	Z	-.328	-.328	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	.112	.112	0	%100
28	M52A	Z	-.194	-.194	0	%100
29	M53	X	.285	.285	0	%100
30	M53	Z	-.493	-.493	0	%100
31	M54	X	.285	.285	0	%100
32	M54	Z	-.493	-.493	0	%100
33	M55	X	.568	.568	0	%100
34	M55	Z	-.983	-.983	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	.315	.315	0	%100
38	M59A	Z	-.546	-.546	0	%100
39	M63	X	.189	.189	0	%100
40	M63	Z	-.328	-.328	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	.189	.189	0	%100
46	M68	Z	-.328	-.328	0	%100
47	M69	X	.578	.578	0	%100
48	M69	Z	-1.002	-1.002	0	%100
49	M71	X	.609	.609	0	%100
50	M71	Z	-1.055	-1.055	0	%100
51	M76A	X	.449	.449	0	%100
52	M76A	Z	-.777	-.777	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	.315	.315	0	%100
60	M82	Z	-.546	-.546	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
61	M83A	X	.315	.315	0	%100
62	M83A	Z	-.546	-.546	0	%100
63	M87	X	.757	.757	0	%100
64	M87	Z	-1.311	-1.311	0	%100
65	M88A	X	.578	.578	0	%100
66	M88A	Z	-1.002	-1.002	0	%100
67	M90	X	.609	.609	0	%100
68	M90	Z	-1.055	-1.055	0	%100
69	M92A	X	.757	.757	0	%100
70	M92A	Z	-1.311	-1.311	0	%100
71	M93	X	.578	.578	0	%100
72	M93	Z	-1.002	-1.002	0	%100
73	M95	X	.609	.609	0	%100
74	M95	Z	-1.055	-1.055	0	%100
75	M82A	X	.29	.29	0	%100
76	M82A	Z	-.502	-.502	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	.3	.3	0	%100
80	MP1A	Z	-.519	-.519	0	%100
81	MP2A	X	.3	.3	0	%100
82	MP2A	Z	-.519	-.519	0	%100
83	MP3A	X	.3	.3	0	%100
84	MP3A	Z	-.519	-.519	0	%100
85	MP4A	X	.3	.3	0	%100
86	MP4A	Z	-.519	-.519	0	%100
87	MP5A	X	.3	.3	0	%100
88	MP5A	Z	-.519	-.519	0	%100
89	MP1B	X	.3	.3	0	%100
90	MP1B	Z	-.519	-.519	0	%100
91	MP2B	X	.3	.3	0	%100
92	MP2B	Z	-.519	-.519	0	%100
93	MP3B	X	.3	.3	0	%100
94	MP3B	Z	-.519	-.519	0	%100
95	MP4B	X	.3	.3	0	%100
96	MP4B	Z	-.519	-.519	0	%100
97	MP5B	X	.3	.3	0	%100
98	MP5B	Z	-.519	-.519	0	%100
99	MP1C	X	.3	.3	0	%100
100	MP1C	Z	-.519	-.519	0	%100
101	MP2C	X	.3	.3	0	%100
102	MP2C	Z	-.519	-.519	0	%100
103	MP3C	X	.3	.3	0	%100
104	MP3C	Z	-.519	-.519	0	%100
105	MP4C	X	.3	.3	0	%100
106	MP4C	Z	-.519	-.519	0	%100
107	MP5C	X	.3	.3	0	%100
108	MP5C	Z	-.519	-.519	0	%100
109	M108	X	.222	.222	0	%100
110	M108	Z	-.384	-.384	0	%100
111	M109	X	.222	.222	0	%100
112	M109	Z	-.384	-.384	0	%100
113	M110	X	.29	.29	0	%100
114	M110	Z	-.502	-.502	0	%100
115	M111	X	.29	.29	0	%100
116	M111	Z	-.502	-.502	0	%100
117	M112	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
118	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	.167	.167	0	%100
2	M1	Z	-.097	-.097	0	%100
3	M4	X	.583	.583	0	%100
4	M4	Z	-.336	-.336	0	%100
5	M10	X	.164	.164	0	%100
6	M10	Z	-.095	-.095	0	%100
7	M43	X	.164	.164	0	%100
8	M43	Z	-.095	-.095	0	%100
9	M46	X	.328	.328	0	%100
10	M46	Z	-.189	-.189	0	%100
11	M51B	X	.728	.728	0	%100
12	M51B	Z	-.42	-.42	0	%100
13	M52B	X	.182	.182	0	%100
14	M52B	Z	-.105	-.105	0	%100
15	M76	X	.983	.983	0	%100
16	M76	Z	-.568	-.568	0	%100
17	M77	X	1.336	1.336	0	%100
18	M77	Z	-.771	-.771	0	%100
19	M80	X	1.407	1.407	0	%100
20	M80	Z	-.812	-.812	0	%100
21	M84	X	.983	.983	0	%100
22	M84	Z	-.568	-.568	0	%100
23	M85	X	.334	.334	0	%100
24	M85	Z	-.193	-.193	0	%100
25	M91	X	.352	.352	0	%100
26	M91	Z	-.203	-.203	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	.657	.657	0	%100
30	M53	Z	-.38	-.38	0	%100
31	M54	X	.657	.657	0	%100
32	M54	Z	-.38	-.38	0	%100
33	M55	X	1.311	1.311	0	%100
34	M55	Z	-.757	-.757	0	%100
35	M58A	X	.182	.182	0	%100
36	M58A	Z	-.105	-.105	0	%100
37	M59A	X	.182	.182	0	%100
38	M59A	Z	-.105	-.105	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	.334	.334	0	%100
42	M64	Z	-.193	-.193	0	%100
43	M66	X	.352	.352	0	%100
44	M66	Z	-.203	-.203	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	.334	.334	0	%100
48	M69	Z	-.193	-.193	0	%100
49	M71	X	.352	.352	0	%100
50	M71	Z	-.203	-.203	0	%100
51	M76A	X	.583	.583	0	%100
52	M76A	Z	-.336	-.336	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
53	M77A	X	.164	.164	0	%100
54	M77A	Z	-.095	-.095	0	%100
55	M78	X	.164	.164	0	%100
56	M78	Z	-.095	-.095	0	%100
57	M79A	X	.328	.328	0	%100
58	M79A	Z	-.189	-.189	0	%100
59	M82	X	.182	.182	0	%100
60	M82	Z	-.105	-.105	0	%100
61	M83A	X	.728	.728	0	%100
62	M83A	Z	-.42	-.42	0	%100
63	M87	X	.983	.983	0	%100
64	M87	Z	-.568	-.568	0	%100
65	M88A	X	.334	.334	0	%100
66	M88A	Z	-.193	-.193	0	%100
67	M90	X	.352	.352	0	%100
68	M90	Z	-.203	-.203	0	%100
69	M92A	X	.983	.983	0	%100
70	M92A	Z	-.568	-.568	0	%100
71	M93	X	1.336	1.336	0	%100
72	M93	Z	-.771	-.771	0	%100
73	M95	X	1.407	1.407	0	%100
74	M95	Z	-.812	-.812	0	%100
75	M82A	X	.669	.669	0	%100
76	M82A	Z	-.386	-.386	0	%100
77	M91B	X	.167	.167	0	%100
78	M91B	Z	-.097	-.097	0	%100
79	MP1A	X	.519	.519	0	%100
80	MP1A	Z	-.3	-.3	0	%100
81	MP2A	X	.519	.519	0	%100
82	MP2A	Z	-.3	-.3	0	%100
83	MP3A	X	.519	.519	0	%100
84	MP3A	Z	-.3	-.3	0	%100
85	MP4A	X	.519	.519	0	%100
86	MP4A	Z	-.3	-.3	0	%100
87	MP5A	X	.519	.519	0	%100
88	MP5A	Z	-.3	-.3	0	%100
89	MP1B	X	.519	.519	0	%100
90	MP1B	Z	-.3	-.3	0	%100
91	MP2B	X	.519	.519	0	%100
92	MP2B	Z	-.3	-.3	0	%100
93	MP3B	X	.519	.519	0	%100
94	MP3B	Z	-.3	-.3	0	%100
95	MP4B	X	.519	.519	0	%100
96	MP4B	Z	-.3	-.3	0	%100
97	MP5B	X	.519	.519	0	%100
98	MP5B	Z	-.3	-.3	0	%100
99	MP1C	X	.519	.519	0	%100
100	MP1C	Z	-.3	-.3	0	%100
101	MP2C	X	.519	.519	0	%100
102	MP2C	Z	-.3	-.3	0	%100
103	MP3C	X	.519	.519	0	%100
104	MP3C	Z	-.3	-.3	0	%100
105	MP4C	X	.519	.519	0	%100
106	MP4C	Z	-.3	-.3	0	%100
107	MP5C	X	.519	.519	0	%100
108	MP5C	Z	-.3	-.3	0	%100
109	M108	X	.384	.384	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
110	M108	Z	-.222	-.222	0	%100
111	M109	X	.384	.384	0	%100
112	M109	Z	-.222	-.222	0	%100
113	M110	X	.167	.167	0	%100
114	M110	Z	-.097	-.097	0	%100
115	M111	X	.669	.669	0	%100
116	M111	Z	-.386	-.386	0	%100
117	M112	X	.167	.167	0	%100
118	M112	Z	-.097	-.097	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.897	.897	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	.631	.631	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	.631	.631	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	1.514	1.514	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	1.157	1.157	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	1.218	1.218	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	1.514	1.514	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	1.157	1.157	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	1.218	1.218	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	.224	.224	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	.569	.569	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	.569	.569	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	1.136	1.136	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	.631	.631	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	0	0	0	%100
39	M63	X	.379	.379	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	1.157	1.157	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	1.218	1.218	0	%100
44	M66	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
45	M68	X	.379	.379	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	.224	.224	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	.569	.569	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	.569	.569	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	1.136	1.136	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	.631	.631	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	.379	.379	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	0	0	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	0	0	0	%100
69	M92A	X	.379	.379	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	1.157	1.157	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	1.218	1.218	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	.58	.58	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	.58	.58	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	.599	.599	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	.599	.599	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	.599	.599	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	.599	.599	0	%100
86	MP4A	Z	0	0	0	%100
87	MP5A	X	.599	.599	0	%100
88	MP5A	Z	0	0	0	%100
89	MP1B	X	.599	.599	0	%100
90	MP1B	Z	0	0	0	%100
91	MP2B	X	.599	.599	0	%100
92	MP2B	Z	0	0	0	%100
93	MP3B	X	.599	.599	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	.599	.599	0	%100
96	MP4B	Z	0	0	0	%100
97	MP5B	X	.599	.599	0	%100
98	MP5B	Z	0	0	0	%100
99	MP1C	X	.599	.599	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	.599	.599	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
102	MP2C	Z	0	0	0	%100
103	MP3C	X	.599	.599	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	.599	.599	0	%100
106	MP4C	Z	0	0	0	%100
107	MP5C	X	.599	.599	0	%100
108	MP5C	Z	0	0	0	%100
109	M108	X	.443	.443	0	%100
110	M108	Z	0	0	0	%100
111	M109	X	.443	.443	0	%100
112	M109	Z	0	0	0	%100
113	M110	X	0	0	0	%100
114	M110	Z	0	0	0	%100
115	M111	X	.58	.58	0	%100
116	M111	Z	0	0	0	%100
117	M112	X	.58	.58	0	%100
118	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	.167	.167	0	%100
2	M1	Z	.097	.097	0	%100
3	M4	X	.583	.583	0	%100
4	M4	Z	.336	.336	0	%100
5	M10	X	.164	.164	0	%100
6	M10	Z	.095	.095	0	%100
7	M43	X	.164	.164	0	%100
8	M43	Z	.095	.095	0	%100
9	M46	X	.328	.328	0	%100
10	M46	Z	.189	.189	0	%100
11	M51B	X	.182	.182	0	%100
12	M51B	Z	.105	.105	0	%100
13	M52B	X	.728	.728	0	%100
14	M52B	Z	.42	.42	0	%100
15	M76	X	.983	.983	0	%100
16	M76	Z	.568	.568	0	%100
17	M77	X	.334	.334	0	%100
18	M77	Z	.193	.193	0	%100
19	M80	X	.352	.352	0	%100
20	M80	Z	.203	.203	0	%100
21	M84	X	.983	.983	0	%100
22	M84	Z	.568	.568	0	%100
23	M85	X	1.336	1.336	0	%100
24	M85	Z	.771	.771	0	%100
25	M91	X	1.407	1.407	0	%100
26	M91	Z	.812	.812	0	%100
27	M52A	X	.583	.583	0	%100
28	M52A	Z	.336	.336	0	%100
29	M53	X	.164	.164	0	%100
30	M53	Z	.095	.095	0	%100
31	M54	X	.164	.164	0	%100
32	M54	Z	.095	.095	0	%100
33	M55	X	.328	.328	0	%100
34	M55	Z	.189	.189	0	%100
35	M58A	X	.728	.728	0	%100
36	M58A	Z	.42	.42	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
37	M59A	X	.182	.182	0	%100
38	M59A	Z	.105	.105	0	%100
39	M63	X	.983	.983	0	%100
40	M63	Z	.568	.568	0	%100
41	M64	X	1.336	1.336	0	%100
42	M64	Z	.771	.771	0	%100
43	M66	X	1.407	1.407	0	%100
44	M66	Z	.812	.812	0	%100
45	M68	X	.983	.983	0	%100
46	M68	Z	.568	.568	0	%100
47	M69	X	.334	.334	0	%100
48	M69	Z	.193	.193	0	%100
49	M71	X	.352	.352	0	%100
50	M71	Z	.203	.203	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	.657	.657	0	%100
54	M77A	Z	.38	.38	0	%100
55	M78	X	.657	.657	0	%100
56	M78	Z	.38	.38	0	%100
57	M79A	X	1.311	1.311	0	%100
58	M79A	Z	.757	.757	0	%100
59	M82	X	.182	.182	0	%100
60	M82	Z	.105	.105	0	%100
61	M83A	X	.182	.182	0	%100
62	M83A	Z	.105	.105	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	.334	.334	0	%100
66	M88A	Z	.193	.193	0	%100
67	M90	X	.352	.352	0	%100
68	M90	Z	.203	.203	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	.334	.334	0	%100
72	M93	Z	.193	.193	0	%100
73	M95	X	.352	.352	0	%100
74	M95	Z	.203	.203	0	%100
75	M82A	X	.167	.167	0	%100
76	M82A	Z	.097	.097	0	%100
77	M91B	X	.669	.669	0	%100
78	M91B	Z	.386	.386	0	%100
79	MP1A	X	.519	.519	0	%100
80	MP1A	Z	.3	.3	0	%100
81	MP2A	X	.519	.519	0	%100
82	MP2A	Z	.3	.3	0	%100
83	MP3A	X	.519	.519	0	%100
84	MP3A	Z	.3	.3	0	%100
85	MP4A	X	.519	.519	0	%100
86	MP4A	Z	.3	.3	0	%100
87	MP5A	X	.519	.519	0	%100
88	MP5A	Z	.3	.3	0	%100
89	MP1B	X	.519	.519	0	%100
90	MP1B	Z	.3	.3	0	%100
91	MP2B	X	.519	.519	0	%100
92	MP2B	Z	.3	.3	0	%100
93	MP3B	X	.519	.519	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
94	MP3B	Z	.3	.3	0	%100
95	MP4B	X	.519	.519	0	%100
96	MP4B	Z	.3	.3	0	%100
97	MP5B	X	.519	.519	0	%100
98	MP5B	Z	.3	.3	0	%100
99	MP1C	X	.519	.519	0	%100
100	MP1C	Z	.3	.3	0	%100
101	MP2C	X	.519	.519	0	%100
102	MP2C	Z	.3	.3	0	%100
103	MP3C	X	.519	.519	0	%100
104	MP3C	Z	.3	.3	0	%100
105	MP4C	X	.519	.519	0	%100
106	MP4C	Z	.3	.3	0	%100
107	MP5C	X	.519	.519	0	%100
108	MP5C	Z	.3	.3	0	%100
109	M108	X	.384	.384	0	%100
110	M108	Z	.222	.222	0	%100
111	M109	X	.384	.384	0	%100
112	M109	Z	.222	.222	0	%100
113	M110	X	.167	.167	0	%100
114	M110	Z	.097	.097	0	%100
115	M111	X	.167	.167	0	%100
116	M111	Z	.097	.097	0	%100
117	M112	X	.669	.669	0	%100
118	M112	Z	.386	.386	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	.29	.29	0	%100
2	M1	Z	.502	.502	0	%100
3	M4	X	.112	.112	0	%100
4	M4	Z	.194	.194	0	%100
5	M10	X	.285	.285	0	%100
6	M10	Z	.493	.493	0	%100
7	M43	X	.285	.285	0	%100
8	M43	Z	.493	.493	0	%100
9	M46	X	.568	.568	0	%100
10	M46	Z	.983	.983	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	.315	.315	0	%100
14	M52B	Z	.546	.546	0	%100
15	M76	X	.189	.189	0	%100
16	M76	Z	.328	.328	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	.189	.189	0	%100
22	M84	Z	.328	.328	0	%100
23	M85	X	.578	.578	0	%100
24	M85	Z	1.002	1.002	0	%100
25	M91	X	.609	.609	0	%100
26	M91	Z	1.055	1.055	0	%100
27	M52A	X	.449	.449	0	%100
28	M52A	Z	.777	.777	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
29	M53	X	0	0	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	.315	.315	0	%100
36	M58A	Z	.546	.546	0	%100
37	M59A	X	.315	.315	0	%100
38	M59A	Z	.546	.546	0	%100
39	M63	X	.757	.757	0	%100
40	M63	Z	1.311	1.311	0	%100
41	M64	X	.578	.578	0	%100
42	M64	Z	1.002	1.002	0	%100
43	M66	X	.609	.609	0	%100
44	M66	Z	1.055	1.055	0	%100
45	M68	X	.757	.757	0	%100
46	M68	Z	1.311	1.311	0	%100
47	M69	X	.578	.578	0	%100
48	M69	Z	1.002	1.002	0	%100
49	M71	X	.609	.609	0	%100
50	M71	Z	1.055	1.055	0	%100
51	M76A	X	.112	.112	0	%100
52	M76A	Z	.194	.194	0	%100
53	M77A	X	.285	.285	0	%100
54	M77A	Z	.493	.493	0	%100
55	M78	X	.285	.285	0	%100
56	M78	Z	.493	.493	0	%100
57	M79A	X	.568	.568	0	%100
58	M79A	Z	.983	.983	0	%100
59	M82	X	.315	.315	0	%100
60	M82	Z	.546	.546	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	.189	.189	0	%100
64	M87	Z	.328	.328	0	%100
65	M88A	X	.578	.578	0	%100
66	M88A	Z	1.002	1.002	0	%100
67	M90	X	.609	.609	0	%100
68	M90	Z	1.055	1.055	0	%100
69	M92A	X	.189	.189	0	%100
70	M92A	Z	.328	.328	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	.29	.29	0	%100
78	M91B	Z	.502	.502	0	%100
79	MP1A	X	.3	.3	0	%100
80	MP1A	Z	.519	.519	0	%100
81	MP2A	X	.3	.3	0	%100
82	MP2A	Z	.519	.519	0	%100
83	MP3A	X	.3	.3	0	%100
84	MP3A	Z	.519	.519	0	%100
85	MP4A	X	.3	.3	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
86	MP4A	Z	.519	.519	0	%100
87	MP5A	X	.3	.3	0	%100
88	MP5A	Z	.519	.519	0	%100
89	MP1B	X	.3	.3	0	%100
90	MP1B	Z	.519	.519	0	%100
91	MP2B	X	.3	.3	0	%100
92	MP2B	Z	.519	.519	0	%100
93	MP3B	X	.3	.3	0	%100
94	MP3B	Z	.519	.519	0	%100
95	MP4B	X	.3	.3	0	%100
96	MP4B	Z	.519	.519	0	%100
97	MP5B	X	.3	.3	0	%100
98	MP5B	Z	.519	.519	0	%100
99	MP1C	X	.3	.3	0	%100
100	MP1C	Z	.519	.519	0	%100
101	MP2C	X	.3	.3	0	%100
102	MP2C	Z	.519	.519	0	%100
103	MP3C	X	.3	.3	0	%100
104	MP3C	Z	.519	.519	0	%100
105	MP4C	X	.3	.3	0	%100
106	MP4C	Z	.519	.519	0	%100
107	MP5C	X	.3	.3	0	%100
108	MP5C	Z	.519	.519	0	%100
109	M108	X	.222	.222	0	%100
110	M108	Z	.384	.384	0	%100
111	M109	X	.222	.222	0	%100
112	M109	Z	.384	.384	0	%100
113	M110	X	.29	.29	0	%100
114	M110	Z	.502	.502	0	%100
115	M111	X	0	0	0	%100
116	M111	Z	0	0	0	%100
117	M112	X	.29	.29	0	%100
118	M112	Z	.502	.502	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	0	0	0	%100
2	M1	Z	.773	.773	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	.759	.759	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	.759	.759	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	1.514	1.514	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	.21	.21	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	.21	.21	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	.386	.386	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	.406	.406	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	.386	.386	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	.406	.406	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	.673	.673	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	.19	.19	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	.19	.19	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	.379	.379	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	.21	.21	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	.841	.841	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	1.136	1.136	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	.386	.386	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	.406	.406	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	1.136	1.136	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	1.542	1.542	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	1.624	1.624	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	.673	.673	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	.19	.19	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	.19	.19	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	.379	.379	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	.841	.841	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	.21	.21	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	1.136	1.136	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	1.542	1.542	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	1.624	1.624	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	1.136	1.136	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	.386	.386	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	.406	.406	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	.193	.193	0	%100
77	M91B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
78	M91B	Z	.193	.193	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	.599	.599	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	.599	.599	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	.599	.599	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	.599	.599	0	%100
87	MP5A	X	0	0	0	%100
88	MP5A	Z	.599	.599	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	.599	.599	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	.599	.599	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	.599	.599	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	.599	.599	0	%100
97	MP5B	X	0	0	0	%100
98	MP5B	Z	.599	.599	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	.599	.599	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	.599	.599	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	.599	.599	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	.599	.599	0	%100
107	MP5C	X	0	0	0	%100
108	MP5C	Z	.599	.599	0	%100
109	M108	X	0	0	0	%100
110	M108	Z	.443	.443	0	%100
111	M109	X	0	0	0	%100
112	M109	Z	.443	.443	0	%100
113	M110	X	0	0	0	%100
114	M110	Z	.773	.773	0	%100
115	M111	X	0	0	0	%100
116	M111	Z	.193	.193	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	.193	.193	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	-.29	-.29	0	%100
2	M1	Z	.502	.502	0	%100
3	M4	X	-.112	-.112	0	%100
4	M4	Z	.194	.194	0	%100
5	M10	X	-.285	-.285	0	%100
6	M10	Z	.493	.493	0	%100
7	M43	X	-.285	-.285	0	%100
8	M43	Z	.493	.493	0	%100
9	M46	X	-.568	-.568	0	%100
10	M46	Z	.983	.983	0	%100
11	M51B	X	-.315	-.315	0	%100
12	M51B	Z	.546	.546	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-.189	-.189	0	%100
16	M76	Z	.328	.328	0	%100
17	M77	X	-.578	-.578	0	%100
18	M77	Z	1.002	1.002	0	%100
19	M80	X	-.609	-.609	0	%100
20	M80	Z	1.055	1.055	0	%100
21	M84	X	-.189	-.189	0	%100
22	M84	Z	.328	.328	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	-.112	-.112	0	%100
28	M52A	Z	.194	.194	0	%100
29	M53	X	-.285	-.285	0	%100
30	M53	Z	.493	.493	0	%100
31	M54	X	-.285	-.285	0	%100
32	M54	Z	.493	.493	0	%100
33	M55	X	-.568	-.568	0	%100
34	M55	Z	.983	.983	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	-.315	-.315	0	%100
38	M59A	Z	.546	.546	0	%100
39	M63	X	-.189	-.189	0	%100
40	M63	Z	.328	.328	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	-.189	-.189	0	%100
46	M68	Z	.328	.328	0	%100
47	M69	X	-.578	-.578	0	%100
48	M69	Z	1.002	1.002	0	%100
49	M71	X	-.609	-.609	0	%100
50	M71	Z	1.055	1.055	0	%100
51	M76A	X	-.449	-.449	0	%100
52	M76A	Z	.777	.777	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	-.315	-.315	0	%100
60	M82	Z	.546	.546	0	%100
61	M83A	X	-.315	-.315	0	%100
62	M83A	Z	.546	.546	0	%100
63	M87	X	-.757	-.757	0	%100
64	M87	Z	1.311	1.311	0	%100
65	M88A	X	-.578	-.578	0	%100
66	M88A	Z	1.002	1.002	0	%100
67	M90	X	-.609	-.609	0	%100
68	M90	Z	1.055	1.055	0	%100
69	M92A	X	-.757	-.757	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
70	M92A	Z	1.311	1.311	0	%100
71	M93	X	-.578	-.578	0	%100
72	M93	Z	1.002	1.002	0	%100
73	M95	X	-.609	-.609	0	%100
74	M95	Z	1.055	1.055	0	%100
75	M82A	X	-.29	-.29	0	%100
76	M82A	Z	.502	.502	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	-.3	-.3	0	%100
80	MP1A	Z	.519	.519	0	%100
81	MP2A	X	-.3	-.3	0	%100
82	MP2A	Z	.519	.519	0	%100
83	MP3A	X	-.3	-.3	0	%100
84	MP3A	Z	.519	.519	0	%100
85	MP4A	X	-.3	-.3	0	%100
86	MP4A	Z	.519	.519	0	%100
87	MP5A	X	-.3	-.3	0	%100
88	MP5A	Z	.519	.519	0	%100
89	MP1B	X	-.3	-.3	0	%100
90	MP1B	Z	.519	.519	0	%100
91	MP2B	X	-.3	-.3	0	%100
92	MP2B	Z	.519	.519	0	%100
93	MP3B	X	-.3	-.3	0	%100
94	MP3B	Z	.519	.519	0	%100
95	MP4B	X	-.3	-.3	0	%100
96	MP4B	Z	.519	.519	0	%100
97	MP5B	X	-.3	-.3	0	%100
98	MP5B	Z	.519	.519	0	%100
99	MP1C	X	-.3	-.3	0	%100
100	MP1C	Z	.519	.519	0	%100
101	MP2C	X	-.3	-.3	0	%100
102	MP2C	Z	.519	.519	0	%100
103	MP3C	X	-.3	-.3	0	%100
104	MP3C	Z	.519	.519	0	%100
105	MP4C	X	-.3	-.3	0	%100
106	MP4C	Z	.519	.519	0	%100
107	MP5C	X	-.3	-.3	0	%100
108	MP5C	Z	.519	.519	0	%100
109	M108	X	-.222	-.222	0	%100
110	M108	Z	.384	.384	0	%100
111	M109	X	-.222	-.222	0	%100
112	M109	Z	.384	.384	0	%100
113	M110	X	-.29	-.29	0	%100
114	M110	Z	.502	.502	0	%100
115	M111	X	-.29	-.29	0	%100
116	M111	Z	.502	.502	0	%100
117	M112	X	0	0	0	%100
118	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	-.167	-.167	0	%100
2	M1	Z	.097	.097	0	%100
3	M4	X	-.583	-.583	0	%100
4	M4	Z	.336	.336	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
5	M10	X	-.164	-.164	0	%100
6	M10	Z	.095	.095	0	%100
7	M43	X	-.164	-.164	0	%100
8	M43	Z	.095	.095	0	%100
9	M46	X	-.328	-.328	0	%100
10	M46	Z	.189	.189	0	%100
11	M51B	X	-.728	-.728	0	%100
12	M51B	Z	.42	.42	0	%100
13	M52B	X	-.182	-.182	0	%100
14	M52B	Z	.105	.105	0	%100
15	M76	X	-.983	-.983	0	%100
16	M76	Z	.568	.568	0	%100
17	M77	X	-1.336	-1.336	0	%100
18	M77	Z	.771	.771	0	%100
19	M80	X	-1.407	-1.407	0	%100
20	M80	Z	.812	.812	0	%100
21	M84	X	-.983	-.983	0	%100
22	M84	Z	.568	.568	0	%100
23	M85	X	-.334	-.334	0	%100
24	M85	Z	.193	.193	0	%100
25	M91	X	-.352	-.352	0	%100
26	M91	Z	.203	.203	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	-.657	-.657	0	%100
30	M53	Z	.38	.38	0	%100
31	M54	X	-.657	-.657	0	%100
32	M54	Z	.38	.38	0	%100
33	M55	X	-1.311	-1.311	0	%100
34	M55	Z	.757	.757	0	%100
35	M58A	X	-.182	-.182	0	%100
36	M58A	Z	.105	.105	0	%100
37	M59A	X	-.182	-.182	0	%100
38	M59A	Z	.105	.105	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	-.334	-.334	0	%100
42	M64	Z	.193	.193	0	%100
43	M66	X	-.352	-.352	0	%100
44	M66	Z	.203	.203	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	-.334	-.334	0	%100
48	M69	Z	.193	.193	0	%100
49	M71	X	-.352	-.352	0	%100
50	M71	Z	.203	.203	0	%100
51	M76A	X	-.583	-.583	0	%100
52	M76A	Z	.336	.336	0	%100
53	M77A	X	-.164	-.164	0	%100
54	M77A	Z	.095	.095	0	%100
55	M78	X	-.164	-.164	0	%100
56	M78	Z	.095	.095	0	%100
57	M79A	X	-.328	-.328	0	%100
58	M79A	Z	.189	.189	0	%100
59	M82	X	-.182	-.182	0	%100
60	M82	Z	.105	.105	0	%100
61	M83A	X	-.728	-.728	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
62	M83A	Z	.42	.42	0	%100
63	M87	X	-.983	-.983	0	%100
64	M87	Z	.568	.568	0	%100
65	M88A	X	-.334	-.334	0	%100
66	M88A	Z	.193	.193	0	%100
67	M90	X	-.352	-.352	0	%100
68	M90	Z	.203	.203	0	%100
69	M92A	X	-.983	-.983	0	%100
70	M92A	Z	.568	.568	0	%100
71	M93	X	-1.336	-1.336	0	%100
72	M93	Z	.771	.771	0	%100
73	M95	X	-1.407	-1.407	0	%100
74	M95	Z	.812	.812	0	%100
75	M82A	X	-.669	-.669	0	%100
76	M82A	Z	.386	.386	0	%100
77	M91B	X	-.167	-.167	0	%100
78	M91B	Z	.097	.097	0	%100
79	MP1A	X	-.519	-.519	0	%100
80	MP1A	Z	.3	.3	0	%100
81	MP2A	X	-.519	-.519	0	%100
82	MP2A	Z	.3	.3	0	%100
83	MP3A	X	-.519	-.519	0	%100
84	MP3A	Z	.3	.3	0	%100
85	MP4A	X	-.519	-.519	0	%100
86	MP4A	Z	.3	.3	0	%100
87	MP5A	X	-.519	-.519	0	%100
88	MP5A	Z	.3	.3	0	%100
89	MP1B	X	-.519	-.519	0	%100
90	MP1B	Z	.3	.3	0	%100
91	MP2B	X	-.519	-.519	0	%100
92	MP2B	Z	.3	.3	0	%100
93	MP3B	X	-.519	-.519	0	%100
94	MP3B	Z	.3	.3	0	%100
95	MP4B	X	-.519	-.519	0	%100
96	MP4B	Z	.3	.3	0	%100
97	MP5B	X	-.519	-.519	0	%100
98	MP5B	Z	.3	.3	0	%100
99	MP1C	X	-.519	-.519	0	%100
100	MP1C	Z	.3	.3	0	%100
101	MP2C	X	-.519	-.519	0	%100
102	MP2C	Z	.3	.3	0	%100
103	MP3C	X	-.519	-.519	0	%100
104	MP3C	Z	.3	.3	0	%100
105	MP4C	X	-.519	-.519	0	%100
106	MP4C	Z	.3	.3	0	%100
107	MP5C	X	-.519	-.519	0	%100
108	MP5C	Z	.3	.3	0	%100
109	M108	X	-.384	-.384	0	%100
110	M108	Z	.222	.222	0	%100
111	M109	X	-.384	-.384	0	%100
112	M109	Z	.222	.222	0	%100
113	M110	X	-.167	-.167	0	%100
114	M110	Z	.097	.097	0	%100
115	M111	X	-.669	-.669	0	%100
116	M111	Z	.386	.386	0	%100
117	M112	X	-.167	-.167	0	%100
118	M112	Z	.097	.097	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.897	-.897	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	-.631	-.631	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-.631	-.631	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-1.514	-1.514	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	-1.157	-1.157	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	-1.218	-1.218	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-1.514	-1.514	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	-1.157	-1.157	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	-1.218	-1.218	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	-.224	-.224	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	-.569	-.569	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	-.569	-.569	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	-1.136	-1.136	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	-.631	-.631	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	0	0	0	%100
39	M63	X	-.379	-.379	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	-1.157	-1.157	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	-1.218	-1.218	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	-.379	-.379	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	-.224	-.224	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	-.569	-.569	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	-.569	-.569	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	-1.136	-1.136	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
58	M79A	Z	0	0	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	-.631	-.631	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	-.379	-.379	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	0	0	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	0	0	0	%100
69	M92A	X	-.379	-.379	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	-1.157	-1.157	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	-1.218	-1.218	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	-.58	-.58	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	-.58	-.58	0	%100
78	M91B	Z	0	0	0	%100
79	MP1A	X	-.599	-.599	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-.599	-.599	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-.599	-.599	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-.599	-.599	0	%100
86	MP4A	Z	0	0	0	%100
87	MP5A	X	-.599	-.599	0	%100
88	MP5A	Z	0	0	0	%100
89	MP1B	X	-.599	-.599	0	%100
90	MP1B	Z	0	0	0	%100
91	MP2B	X	-.599	-.599	0	%100
92	MP2B	Z	0	0	0	%100
93	MP3B	X	-.599	-.599	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	-.599	-.599	0	%100
96	MP4B	Z	0	0	0	%100
97	MP5B	X	-.599	-.599	0	%100
98	MP5B	Z	0	0	0	%100
99	MP1C	X	-.599	-.599	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	-.599	-.599	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	-.599	-.599	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	-.599	-.599	0	%100
106	MP4C	Z	0	0	0	%100
107	MP5C	X	-.599	-.599	0	%100
108	MP5C	Z	0	0	0	%100
109	M108	X	-.443	-.443	0	%100
110	M108	Z	0	0	0	%100
111	M109	X	-.443	-.443	0	%100
112	M109	Z	0	0	0	%100
113	M110	X	0	0	0	%100
114	M110	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
115	M111	X	-.58	-.58	0	%100
116	M111	Z	0	0	0	%100
117	M112	X	-.58	-.58	0	%100
118	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	-.167	-.167	0	%100
2	M1	Z	-.097	-.097	0	%100
3	M4	X	-.583	-.583	0	%100
4	M4	Z	-.336	-.336	0	%100
5	M10	X	-.164	-.164	0	%100
6	M10	Z	-.095	-.095	0	%100
7	M43	X	-.164	-.164	0	%100
8	M43	Z	-.095	-.095	0	%100
9	M46	X	-.328	-.328	0	%100
10	M46	Z	-.189	-.189	0	%100
11	M51B	X	-.182	-.182	0	%100
12	M51B	Z	-.105	-.105	0	%100
13	M52B	X	-.728	-.728	0	%100
14	M52B	Z	-.42	-.42	0	%100
15	M76	X	-.983	-.983	0	%100
16	M76	Z	-.568	-.568	0	%100
17	M77	X	-.334	-.334	0	%100
18	M77	Z	-.193	-.193	0	%100
19	M80	X	-.352	-.352	0	%100
20	M80	Z	-.203	-.203	0	%100
21	M84	X	-.983	-.983	0	%100
22	M84	Z	-.568	-.568	0	%100
23	M85	X	-1.336	-1.336	0	%100
24	M85	Z	-.771	-.771	0	%100
25	M91	X	-1.407	-1.407	0	%100
26	M91	Z	-.812	-.812	0	%100
27	M52A	X	-.583	-.583	0	%100
28	M52A	Z	-.336	-.336	0	%100
29	M53	X	-.164	-.164	0	%100
30	M53	Z	-.095	-.095	0	%100
31	M54	X	-.164	-.164	0	%100
32	M54	Z	-.095	-.095	0	%100
33	M55	X	-.328	-.328	0	%100
34	M55	Z	-.189	-.189	0	%100
35	M58A	X	-.728	-.728	0	%100
36	M58A	Z	-.42	-.42	0	%100
37	M59A	X	-.182	-.182	0	%100
38	M59A	Z	-.105	-.105	0	%100
39	M63	X	-.983	-.983	0	%100
40	M63	Z	-.568	-.568	0	%100
41	M64	X	-1.336	-1.336	0	%100
42	M64	Z	-.771	-.771	0	%100
43	M66	X	-1.407	-1.407	0	%100
44	M66	Z	-.812	-.812	0	%100
45	M68	X	-.983	-.983	0	%100
46	M68	Z	-.568	-.568	0	%100
47	M69	X	-.334	-.334	0	%100
48	M69	Z	-.193	-.193	0	%100
49	M71	X	-.352	-.352	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
50	M71	Z	-.203	-.203	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	-.657	-.657	0	%100
54	M77A	Z	-.38	-.38	0	%100
55	M78	X	-.657	-.657	0	%100
56	M78	Z	-.38	-.38	0	%100
57	M79A	X	-1.311	-1.311	0	%100
58	M79A	Z	-.757	-.757	0	%100
59	M82	X	-.182	-.182	0	%100
60	M82	Z	-.105	-.105	0	%100
61	M83A	X	-.182	-.182	0	%100
62	M83A	Z	-.105	-.105	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	-.334	-.334	0	%100
66	M88A	Z	-.193	-.193	0	%100
67	M90	X	-.352	-.352	0	%100
68	M90	Z	-.203	-.203	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	-.334	-.334	0	%100
72	M93	Z	-.193	-.193	0	%100
73	M95	X	-.352	-.352	0	%100
74	M95	Z	-.203	-.203	0	%100
75	M82A	X	-.167	-.167	0	%100
76	M82A	Z	-.097	-.097	0	%100
77	M91B	X	-.669	-.669	0	%100
78	M91B	Z	-.386	-.386	0	%100
79	MP1A	X	-.519	-.519	0	%100
80	MP1A	Z	-.3	-.3	0	%100
81	MP2A	X	-.519	-.519	0	%100
82	MP2A	Z	-.3	-.3	0	%100
83	MP3A	X	-.519	-.519	0	%100
84	MP3A	Z	-.3	-.3	0	%100
85	MP4A	X	-.519	-.519	0	%100
86	MP4A	Z	-.3	-.3	0	%100
87	MP5A	X	-.519	-.519	0	%100
88	MP5A	Z	-.3	-.3	0	%100
89	MP1B	X	-.519	-.519	0	%100
90	MP1B	Z	-.3	-.3	0	%100
91	MP2B	X	-.519	-.519	0	%100
92	MP2B	Z	-.3	-.3	0	%100
93	MP3B	X	-.519	-.519	0	%100
94	MP3B	Z	-.3	-.3	0	%100
95	MP4B	X	-.519	-.519	0	%100
96	MP4B	Z	-.3	-.3	0	%100
97	MP5B	X	-.519	-.519	0	%100
98	MP5B	Z	-.3	-.3	0	%100
99	MP1C	X	-.519	-.519	0	%100
100	MP1C	Z	-.3	-.3	0	%100
101	MP2C	X	-.519	-.519	0	%100
102	MP2C	Z	-.3	-.3	0	%100
103	MP3C	X	-.519	-.519	0	%100
104	MP3C	Z	-.3	-.3	0	%100
105	MP4C	X	-.519	-.519	0	%100
106	MP4C	Z	-.3	-.3	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
107	MP5C	X	-.519	-.519	0	%100
108	MP5C	Z	-.3	-.3	0	%100
109	M108	X	-.384	-.384	0	%100
110	M108	Z	-.222	-.222	0	%100
111	M109	X	-.384	-.384	0	%100
112	M109	Z	-.222	-.222	0	%100
113	M110	X	-.167	-.167	0	%100
114	M110	Z	-.097	-.097	0	%100
115	M111	X	-.167	-.167	0	%100
116	M111	Z	-.097	-.097	0	%100
117	M112	X	-.669	-.669	0	%100
118	M112	Z	-.386	-.386	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M1	X	-.29	-.29	0	%100
2	M1	Z	-.502	-.502	0	%100
3	M4	X	-.112	-.112	0	%100
4	M4	Z	-.194	-.194	0	%100
5	M10	X	-.285	-.285	0	%100
6	M10	Z	-.493	-.493	0	%100
7	M43	X	-.285	-.285	0	%100
8	M43	Z	-.493	-.493	0	%100
9	M46	X	-.568	-.568	0	%100
10	M46	Z	-.983	-.983	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-.315	-.315	0	%100
14	M52B	Z	-.546	-.546	0	%100
15	M76	X	-.189	-.189	0	%100
16	M76	Z	-.328	-.328	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-.189	-.189	0	%100
22	M84	Z	-.328	-.328	0	%100
23	M85	X	-.578	-.578	0	%100
24	M85	Z	-1.002	-1.002	0	%100
25	M91	X	-.609	-.609	0	%100
26	M91	Z	-1.055	-1.055	0	%100
27	M52A	X	-.449	-.449	0	%100
28	M52A	Z	-.777	-.777	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	-.315	-.315	0	%100
36	M58A	Z	-.546	-.546	0	%100
37	M59A	X	-.315	-.315	0	%100
38	M59A	Z	-.546	-.546	0	%100
39	M63	X	-.757	-.757	0	%100
40	M63	Z	-1.311	-1.311	0	%100
41	M64	X	-.578	-.578	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
42	M64	Z	-1.002	-1.002	0	%100
43	M66	X	-.609	-.609	0	%100
44	M66	Z	-1.055	-1.055	0	%100
45	M68	X	-.757	-.757	0	%100
46	M68	Z	-1.311	-1.311	0	%100
47	M69	X	-.578	-.578	0	%100
48	M69	Z	-1.002	-1.002	0	%100
49	M71	X	-.609	-.609	0	%100
50	M71	Z	-1.055	-1.055	0	%100
51	M76A	X	-.112	-.112	0	%100
52	M76A	Z	-.194	-.194	0	%100
53	M77A	X	-.285	-.285	0	%100
54	M77A	Z	-.493	-.493	0	%100
55	M78	X	-.285	-.285	0	%100
56	M78	Z	-.493	-.493	0	%100
57	M79A	X	-.568	-.568	0	%100
58	M79A	Z	-.983	-.983	0	%100
59	M82	X	-.315	-.315	0	%100
60	M82	Z	-.546	-.546	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	-.189	-.189	0	%100
64	M87	Z	-.328	-.328	0	%100
65	M88A	X	-.578	-.578	0	%100
66	M88A	Z	-1.002	-1.002	0	%100
67	M90	X	-.609	-.609	0	%100
68	M90	Z	-1.055	-1.055	0	%100
69	M92A	X	-.189	-.189	0	%100
70	M92A	Z	-.328	-.328	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	-.29	-.29	0	%100
78	M91B	Z	-.502	-.502	0	%100
79	MP1A	X	-.3	-.3	0	%100
80	MP1A	Z	-.519	-.519	0	%100
81	MP2A	X	-.3	-.3	0	%100
82	MP2A	Z	-.519	-.519	0	%100
83	MP3A	X	-.3	-.3	0	%100
84	MP3A	Z	-.519	-.519	0	%100
85	MP4A	X	-.3	-.3	0	%100
86	MP4A	Z	-.519	-.519	0	%100
87	MP5A	X	-.3	-.3	0	%100
88	MP5A	Z	-.519	-.519	0	%100
89	MP1B	X	-.3	-.3	0	%100
90	MP1B	Z	-.519	-.519	0	%100
91	MP2B	X	-.3	-.3	0	%100
92	MP2B	Z	-.519	-.519	0	%100
93	MP3B	X	-.3	-.3	0	%100
94	MP3B	Z	-.519	-.519	0	%100
95	MP4B	X	-.3	-.3	0	%100
96	MP4B	Z	-.519	-.519	0	%100
97	MP5B	X	-.3	-.3	0	%100
98	MP5B	Z	-.519	-.519	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
99	MP1C	X	-.3	-.3	0	%100
100	MP1C	Z	-.519	-.519	0	%100
101	MP2C	X	-.3	-.3	0	%100
102	MP2C	Z	-.519	-.519	0	%100
103	MP3C	X	-.3	-.3	0	%100
104	MP3C	Z	-.519	-.519	0	%100
105	MP4C	X	-.3	-.3	0	%100
106	MP4C	Z	-.519	-.519	0	%100
107	MP5C	X	-.3	-.3	0	%100
108	MP5C	Z	-.519	-.519	0	%100
109	M108	X	-.222	-.222	0	%100
110	M108	Z	-.384	-.384	0	%100
111	M109	X	-.222	-.222	0	%100
112	M109	Z	-.384	-.384	0	%100
113	M110	X	-.29	-.29	0	%100
114	M110	Z	-.502	-.502	0	%100
115	M111	X	0	0	0	%100
116	M111	Z	0	0	0	%100
117	M112	X	-.29	-.29	0	%100
118	M112	Z	-.502	-.502	0	%100

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

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

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location...	End Location[f...
1	M58A	Y	-3.355	-8.538	0	.832
2	M58A	Y	-8.538	-13.936	.832	1.665
3	M58A	Y	-13.936	-16.535	1.665	2.497
4	M58A	Y	-16.535	-13.215	2.497	3.329
5	M58A	Y	-13.215	-6.993	3.329	4.162
6	M59A	Y	-6.99	-13.273	0	.832
7	M59A	Y	-13.273	-16.68	.832	1.665
8	M59A	Y	-16.68	-14.224	1.665	2.497
9	M59A	Y	-14.224	-8.937	2.497	3.329
10	M59A	Y	-8.937	-3.805	3.329	4.162
11	M82	Y	-3.795	-8.942	0	.832
12	M82	Y	-8.942	-14.219	.832	1.665
13	M82	Y	-14.219	-16.671	1.665	2.497
14	M82	Y	-16.671	-13.282	2.497	3.329
15	M82	Y	-13.282	-7.006	3.329	4.162
16	M83A	Y	-6.992	-13.215	0	.832
17	M83A	Y	-13.215	-16.535	.832	1.665
18	M83A	Y	-16.535	-13.932	1.665	2.497
19	M83A	Y	-13.932	-8.535	2.497	3.329
20	M83A	Y	-8.535	-3.363	3.329	4.162
21	M51B	Y	-3.363	-8.535	0	.832
22	M51B	Y	-8.535	-13.932	.832	1.665
23	M51B	Y	-13.932	-16.535	1.665	2.497
24	M51B	Y	-16.535	-13.215	2.497	3.329
25	M51B	Y	-13.215	-6.992	3.329	4.162
26	M52B	Y	-7.006	-13.282	0	.832
27	M52B	Y	-13.282	-16.671	.832	1.665
28	M52B	Y	-16.671	-14.219	1.665	2.497
29	M52B	Y	-14.219	-8.942	2.497	3.329
30	M52B	Y	-8.942	-3.795	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

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

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N111	N89	N90	Y	Two Way	-.011
2	N117	N118	N141	N139	Y	Two Way	-.011
3	N6	N87C	N87B	N7	Y	Two Way	-.011

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [...	LC	MZ [k-ft]	LC
1	N3	m...	1772.092	10	2517.039	13	4425.408	1	4.582	13	2.668	4	.347	4
2		min	-1770.12	4	395.18	7	-4542.586	7	-.399	7	-2.685	10	-.271	10
3	N87D	m...	3433.852	9	2808.406	21	2823.562	1	-.299	3	3.717	12	-.536	3
4		min	-3530.461	3	561.695	3	-2765.443	7	-3.096	21	-3.717	6	-5.163	21
5	N115	m...	3922.56	11	2589.926	41	2195.727	12	-.111	11	2.257	8	4.393	41
6		min	-3834.023	5	429.253	11	-2125.102	6	-3.671	41	-2.244	2	.122	11
7	Totals:	m...	8713.105	10	7508.032	13	9293.795	1						
8		min	-8713.118	4	3192.042	7	-9293.783	7						

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

	Member	Shape	Code Ch...	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*...	phi*...	phi*...	phi*...	...	Eqn
1	M1	PIPE_...	.183	7.552	7	.135	7.552		9	2825...	65205	5.749	5.749	...	H1-...
2	M4	HSS4X...	.298	0	3	.072	0	y	15	1246...	1395...	16.181	16.181	...	H1-...
3	M10	HSS4X...	.163	2.375	14	.072	.223	z	2	1362...	1395...	16.181	16.181	...	H1-...
4	M43	HSS4X...	.162	0	24	.065	2.152	z	12	1362...	1395...	16.181	16.181	...	H1-...
5	M46	PL1/2x6	.376	.516	6	.126	0	y	11	6600...	97200	1.012	12.15	...	H1-...
6	M51B	L2x2x3	.286	4.162	2	.012	4.162	y	16	9823...	2339...	.558	1.124	...	H2-1
7	M52B	L2x2x3	.268	0	12	.013	4.162	y	21	9823...	2339...	.558	1.136	...	H2-1
8	M76	PL3/8x6	.353	0	2	.245	0	y	19	7064...	72900	.57	9.113	...	H1-...
9	M77	PL3/8x6	.489	.167	8	.332	0	y	13	7158...	72900	.57	9.113	...	H1-...
10	M80	PL1/2x6	.098	.112	1	.056	.112	y	4	9675...	97200	1.012	12.15	...	H1-...
11	M84	PL3/8x6	.566	0	12	.248	0	y	19	7064...	72900	.57	9.113	...	H1-...
12	M85	PL3/8x6	.489	.167	6	.330	0	y	13	7158...	72900	.57	9.113	...	H1-...
13	M91	PL1/2x6	.115	.112	1	.067	.112	y	10	9675...	97200	1.012	12.15	...	H1-...
14	M52A	HSS4X...	.404	0	7	.134	0	y	32	1246...	1395...	16.181	16.181	...	H1-...
15	M53	HSS4X...	.188	2.375	22	.070	.223	z	10	1362...	1395...	16.181	16.181	...	H1-...
16	M54	HSS4X...	.201	0	20	.079	2.152	z	8	1362...	1395...	16.181	16.181	...	H1-...
17	M55	PL1/2x6	.322	.516	10	.167	.516	y	50	6600...	97200	1.012	12.15	...	H1-...
18	M58A	L2x2x3	.273	4.162	10	.012	4.162	y	24	9823...	2339...	.558	1.124	...	H2-1
19	M59A	L2x2x3	.303	4.162	7	.013	4.162	y	18	9823...	2339...	.558	1.07	...	H2-1
20	M63	PL3/8x6	.439	0	10	.214	0	y	14	7064...	72900	.57	9.113	...	H1-...
21	M64	PL3/8x6	.467	.167	4	.385	0	y	22	7158...	72900	.57	9.113	...	H1-...
22	M66	PL1/2x6	.118	.112	8	.085	0	y	7	9675...	97200	1.012	12.15	...	H1-...
23	M68	PL3/8x6	.333	0	9	.268	0	y	38	7064...	72900	.57	9.113	...	H1-...
24	M69	PL3/8x6	.510	.167	2	.413	0	y	32	7158...	72900	.57	9.113	...	H1-...
25	M71	PL1/2x6	.114	.112	9	.135	0	y	50	9675...	97200	1.012	12.15	...	H1-...
26	M76A	HSS4X...	.352	0	39	.140	0	y	42	1246...	1395...	16.181	16.181	...	H1-...
27	M77A	HSS4X...	.190	2.375	18	.079	2.375	y	39	1362...	1395...	16.181	16.181	...	H1-...
28	M78	HSS4X...	.180	0	16	.080	2.152	z	4	1362...	1395...	16.181	16.181	...	H1-...
29	M79A	PL1/2x6	.365	.516	6	.166	.516	y	39	6600...	97200	1.012	12.15	...	H1-...
30	M82	L2x2x3	.277	4.162	6	.014	0	y	21	9823...	2339...	.558	1.136	...	H2-1
31	M83A	L2x2x3	.311	0	4	.012	0	y	14	9823...	2339...	.558	1.124	...	H2-1
32	M87	PL3/8x6	.518	0	6	.303	0	y	23	7064...	72900	.57	9.113	...	H1-...
33	M88A	PL3/8x6	.512	.167	12	.440	0	y	42	7158...	72900	.57	9.113	...	H1-...
34	M90	PL1/2x6	.122	.112	5	.113	0	y	38	9675...	97200	1.012	12.15	...	H1-...
35	M92A	PL3/8x6	.377	0	5	.257	0	y	47	7064...	72900	.57	9.113	...	H1-...
36	M93	PL3/8x6	.537	.167	10	.365	0	y	17	7158...	72900	.57	9.113	...	H1-...
37	M95	PL1/2x6	.104	.112	6	.069	0	y	8	9675...	97200	1.012	12.15	...	H1-...
38	M82A	PIPE_...	.165	7.552	4	.132	7.552		6	2825...	65205	5.749	5.749	...	H1-...
39	M91B	PIPE_...	.173	4.948	11	.137	4.818		8	2825...	65205	5.749	5.749	...	H1-...
40	MP1A	PIPE_...	.338	3.25	9	.110	3.25		10	2086...	32130	1.872	1.872	...	H1-...
41	MP2A	PIPE_...	.304	3.25	9	.143	.938		10	2086...	32130	1.872	1.872	...	H1-...
42	MP3A	PIPE_...	.247	3.25	3	.146	3.25		4	3777...	50715	3.596	3.596	...	H1-...
43	MP4A	PIPE_...	.302	3.25	5	.121	3.25		4	2086...	32130	1.872	1.872	...	H1-...
44	MP5A	PIPE_...	.277	3.25	5	.091	3.313		9	2086...	32130	1.872	1.872	...	H1-...
45	MP1B	PIPE_...	.306	3.25	5	.131	.813		1	2086...	32130	1.872	1.872	...	H1-...
46	MP2B	PIPE_...	.268	3.25	5	.135	3.25		6	2086...	32130	1.872	1.872	...	H1-...
47	MP3B	PIPE_...	.247	3.25	11	.139	1.438		6	3777...	50715	3.596	3.596	...	H1-...
48	MP4B	PIPE_...	.283	3.25	1	.111	1.938		12	2086...	32130	1.872	1.872	...	H1-...
49	MP5B	PIPE_...	.266	3.25	1	.106	.813		6	2086...	32130	1.872	1.872	...	H1-...
50	MP1C	PIPE_...	.296	3.25	1	.086	3.313		10	3777...	50715	3.596	3.596	...	H1-...
51	MP2C	PIPE_...	.331	3.25	1	.130	.938		2	2086...	32130	1.872	1.872	...	H1-...
52	MP3C	PIPE_...	.346	3.25	8	.149	3.25		8	2086...	32130	1.872	1.872	...	H1-...
53	MP4C	PIPE_...	.344	3.25	9	.135	3.25		8	2086...	32130	1.872	1.872	...	H1-...
54	MP5C	PIPE_...	.302	3.25	9	.091	3.313		10	2086...	32130	1.872	1.872	...	H1-...
55	M108	PIPE_...	.119	1.986	11	.023	1.986		11	3037...	32130	1.872	1.872	...	H1-...
56	M109	PIPE_...	.119	1.986	11	.023	1.986		11	3037...	32130	1.872	1.872	...	H1-...

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

	Member	Shape	Code Ch...	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*...	phi*...	phi*...	phi*...	...	Eqn
57	M110	PIPE_...	.126	6.38	9	.131	3.516		4	1455...	50715	3.596	3.596	...	H1-...
58	M111	PIPE_...	.142	10.026	12	.132	6.38		6	1455...	50715	3.596	3.596	...	H1-...
59	M112	PIPE_...	.153	10.026	7	.137	6.51		8	1455...	50715	3.596	3.596	...	H1-...
60	M134	L3X3X4	.067	0	9	.015	0	z	6	4300...	46656	1.688	3.756	...	H2-1
61	M135	L3X3X4	.060	0	5	.012	0	y	8	4300...	46656	1.688	3.756	...	H2-1
62	M136	L3X3X4	.064	1.917	1	.012	1.917	y	10	4300...	46656	1.688	3.756	...	H2-1

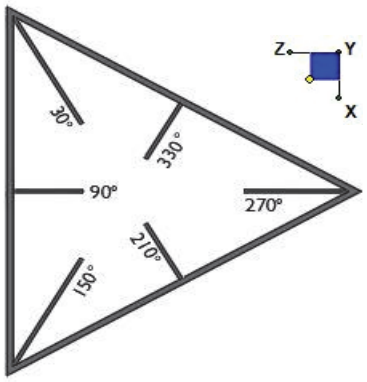
Client:	Verizon Wireless	Date:	9/8/2021
Site Name:	GROTON 4 CT		
Project No.	21781014A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

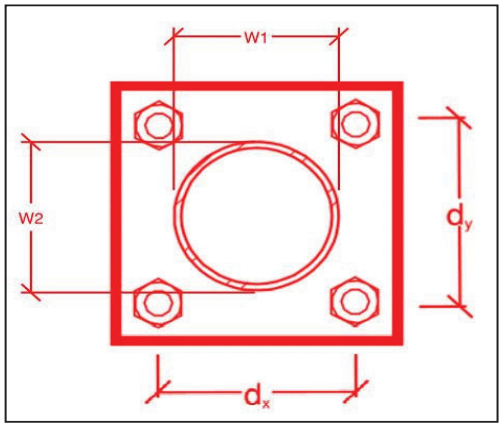
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N87D	30
N115	150
N3	270



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)*:	6
d_y (in) *(Delta Y of typ. bolt config. sketch)*:	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	26.9
Required Shear Strength (kips):	16.9
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**32.5%***
Shear Capacity Overall:	**34.1%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	8
Plate Height (in):	8
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	4
Phi*Rn (kip/in):	5.57
Required Weld Strength (kip/in):	3.43
Plate Bending Capacity:	**38.5%**
Weld Capacity:	**61.5%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)*:	7.3
$Phi*Mn_{xx}$ *(kip-in)*:	36.5
Mu_{yy} *(kip-in)*:	6.7
$Phi*Mn_{yy}$ *(kip-in)*:	36.5

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

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

Base Requirements:

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

Photo Requirements:

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

- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to modification.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation of modifications. Each entire sector must be in one photo to show the interconnection of members.

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

Material Certification:

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

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

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

OR

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

Antenna & equipment placement and Geometry Confirmation:

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

OR

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

Comments:

Certifying Individual:

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

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

☐ Yes ☐ No

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

Issue:

1. Contractor to install safety climb guide (SitePro 1, Part #: 120-203/317 or EOR approved equivalent) in locations where wire rope is rubbing against mount to tower attachments. Contractor to provide photos of safety climb guide installation.

Response:

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

☐ Yes ☐ No

Comments:

Structure: 468619-VZW - GROTON 4 CT

Sector: **A** 8/30/2021

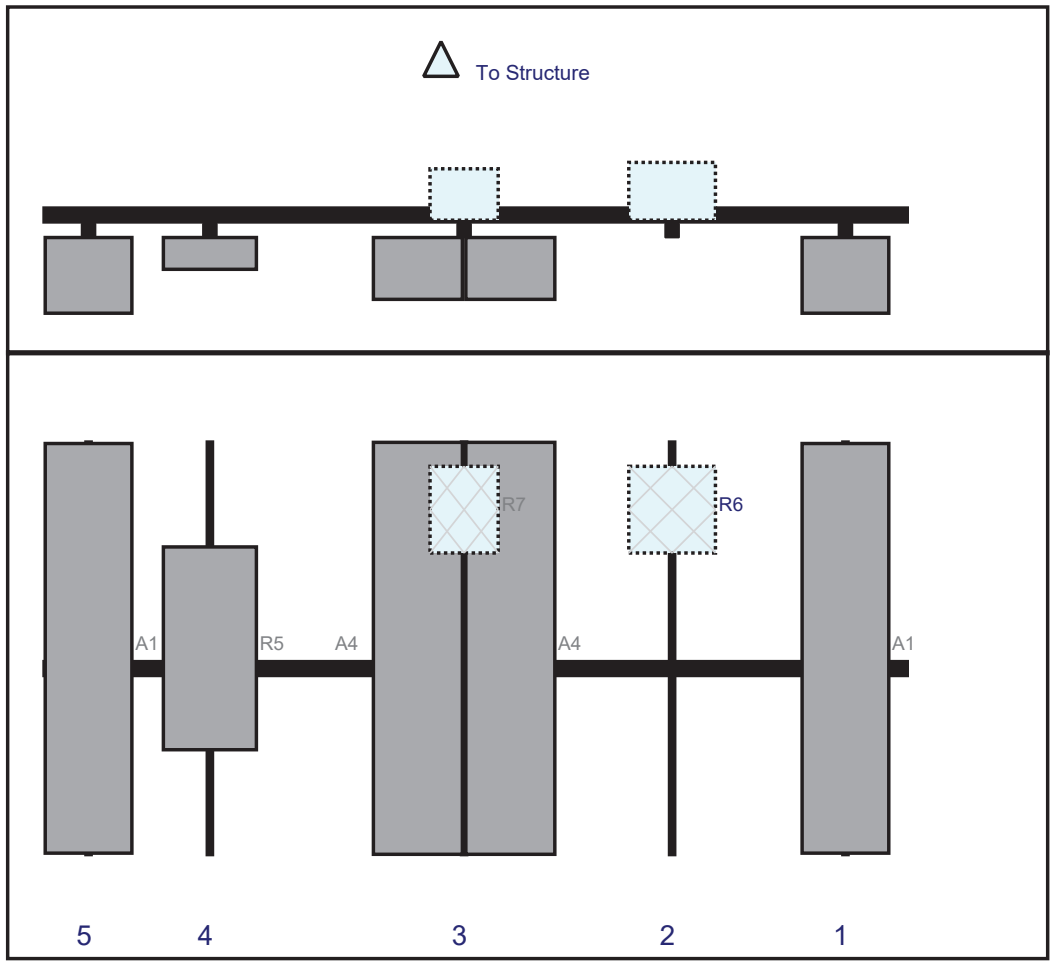
Structure Type: Monopole 10071781

Mount Elev: 109.50 Page: 1

MASER CONSULTING CONNECTICUT

Plan View

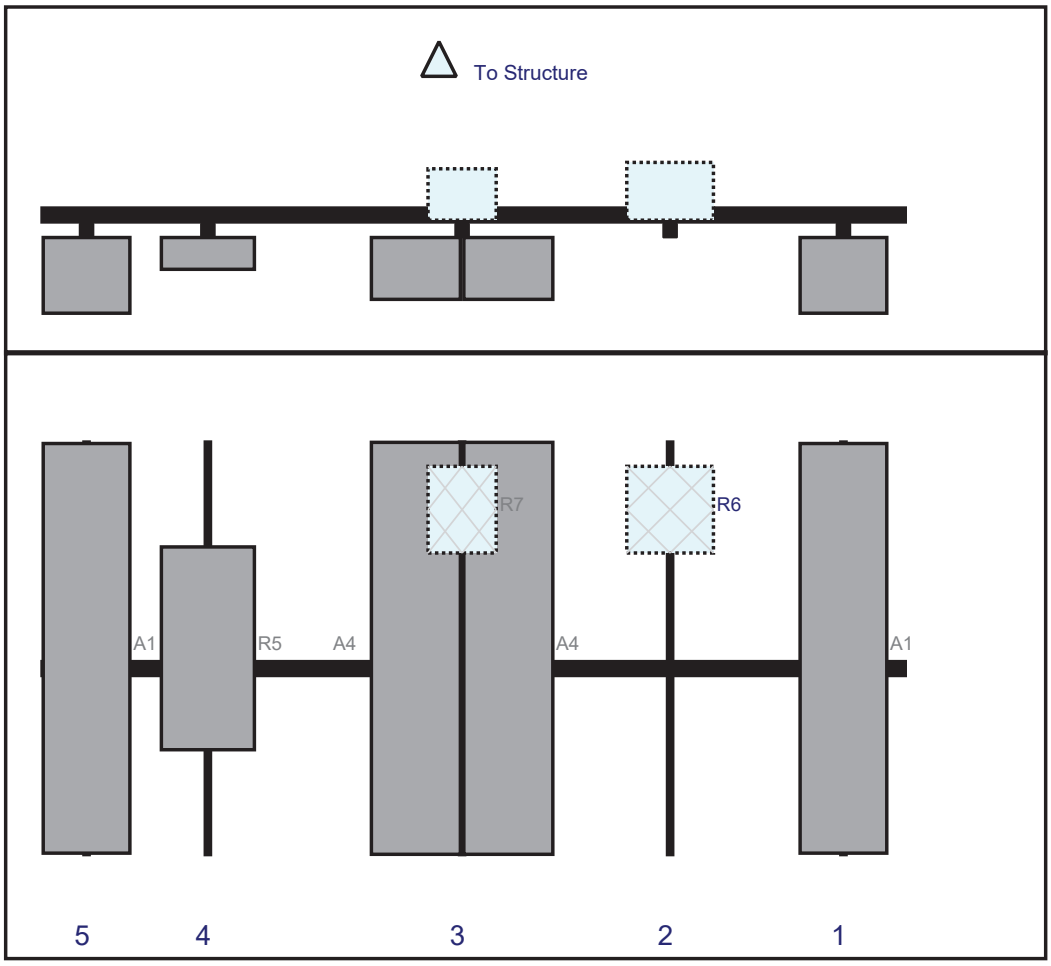
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	LPA-80063/6CF	70.9	15	139	1	a	Front	36	0	Retained	06/08/2021
R6	RF4439d-25A	15	15	109	2	a	Behind	12	0	Added	
A4	MX06FRO660-03	71.3	15.4	73	3	a	Front	36	8	Added	
A4	MX06FRO660-03	71.3	15.4	73	3	b	Front	36	-8	Added	
R7	RF4440d-13A	15	11.8	73	3	a	Behind	12	0	Added	
R5	MT6407-77A	35.1	16.1	29	4	a	Front	36	0	Added	
A1	LPA-80063/6CF	70.9	15	8	5	a	Front	36	0	Retained	06/08/2021

Plan View

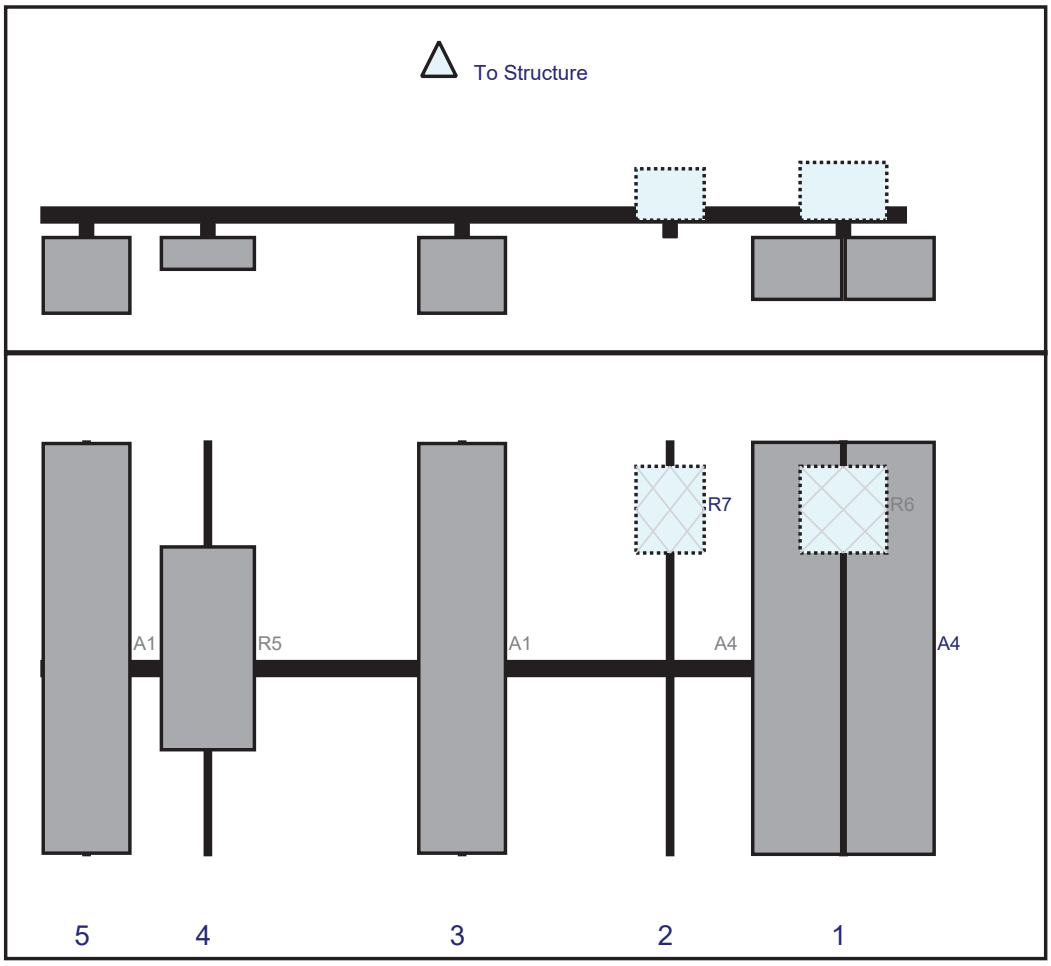
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	LPA-80063/6CF	70.9	15	139	1	a	Front	36	0	Retained	06/08/2021
R6	RF4439d-25A	15	15	109	2	a	Behind	12	0	Added	
A4	MX06FRO660-03	71.3	15.4	73	3	a	Front	36	8	Added	
A4	MX06FRO660-03	71.3	15.4	73	3	b	Front	36	-8	Added	
R7	RF4440d-13A	15	11.8	73	3	a	Behind	12	0	Added	
R5	MT6407-77A	35.1	16.1	29	4	a	Front	36	0	Added	
A1	LPA-80063/6CF	70.9	15	8	5	a	Front	36	0	Retained	06/08/2021

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A4	MX06FRO660-03	71.3	15.4	139	1	a	Front	36	8	Added	
A4	MX06FRO660-03	71.3	15.4	139	1	b	Front	36	-8	Added	
R6	RF4439d-25A	15	15	139	1	a	Behind	12	0	Added	
R7	RF4440d-13A	15	11.8	109	2	a	Behind	12	0	Added	
A1	LPA-80063/6CF	70.9	15	73	3	a	Front	36	0	Retained	06/08/2021
R5	MT6407-77A	35.1	16.1	29	4	a	Front	36	0	Added	
A1	LPA-80063/6CF	70.9	15	8	5	a	Front	36	0	Retained	06/08/2021

Subject	TIA-222-H Adoption and Wind Speed Usage	
Site Information	*Site ID:*	*468619-VZW / GROTON 4 CT*
	Site Name:	*GROTON 4 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*741 Flanders Road* *Groton, Connecticut 06340* *New London County*
	Latitude:	*41.369928°*
	Longitude:	*-72.008269°*
Structure Information	*Tower Type:*	*129-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. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

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

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

Sincerely,

Eric Anderson, PE
Technical Specialist

Exhibit F

Power Density/RF Emissions Report

Site Name: ***GROTON 4 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	623	2494	110	0.0074	0.5007	1.48%
VZW CDMA	877.26	2	499	998	110	0.0030	0.5848	0.51%
VZW Cellular	874	4	623	2494	110	0.0074	0.5827	1.27%
VZW PCS	1977.5	4	1428	5713	110	0.0170	1.0000	1.70%
VZW AWS	2120	4	1530	6122	110	0.0182	1.0000	1.82%
VZW CBAND	3730.08	2	21627	43254	110	0.1286	1.0000	12.86%
Total Percentage of Maximum Permissible Exposure								19.63%

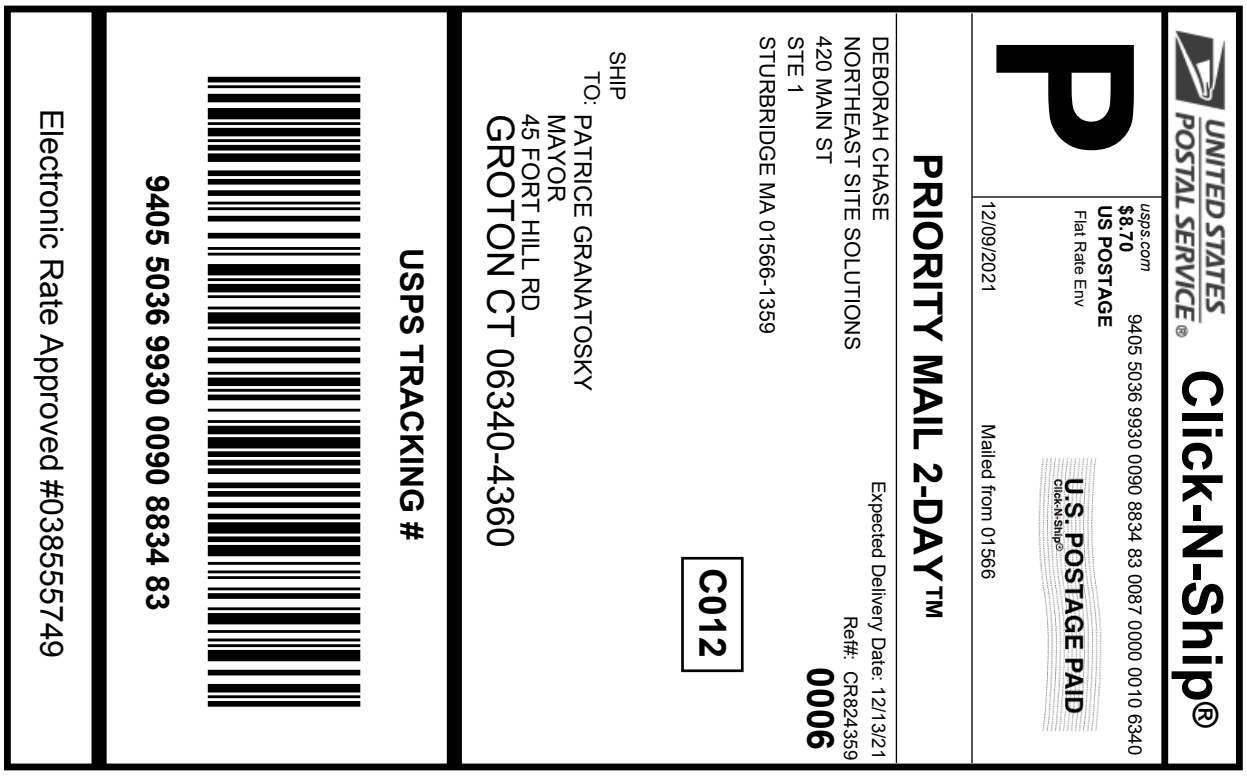
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification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

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

Absolute worst case maximum values used.

Exhibit G

Recipient Mailings



Cut on dotted line.

Instructions

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

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0090 8834 83

Trans. #:	550560774
Print Date:	12/09/2021
Ship Date:	12/09/2021
Expected Delivery Date:	12/13/2021

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

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

Ref#: CR824359

To: PATRICE GRANATOSKY
MAYOR
45 FORT HILL RD
GROTON CT 06340-4360

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

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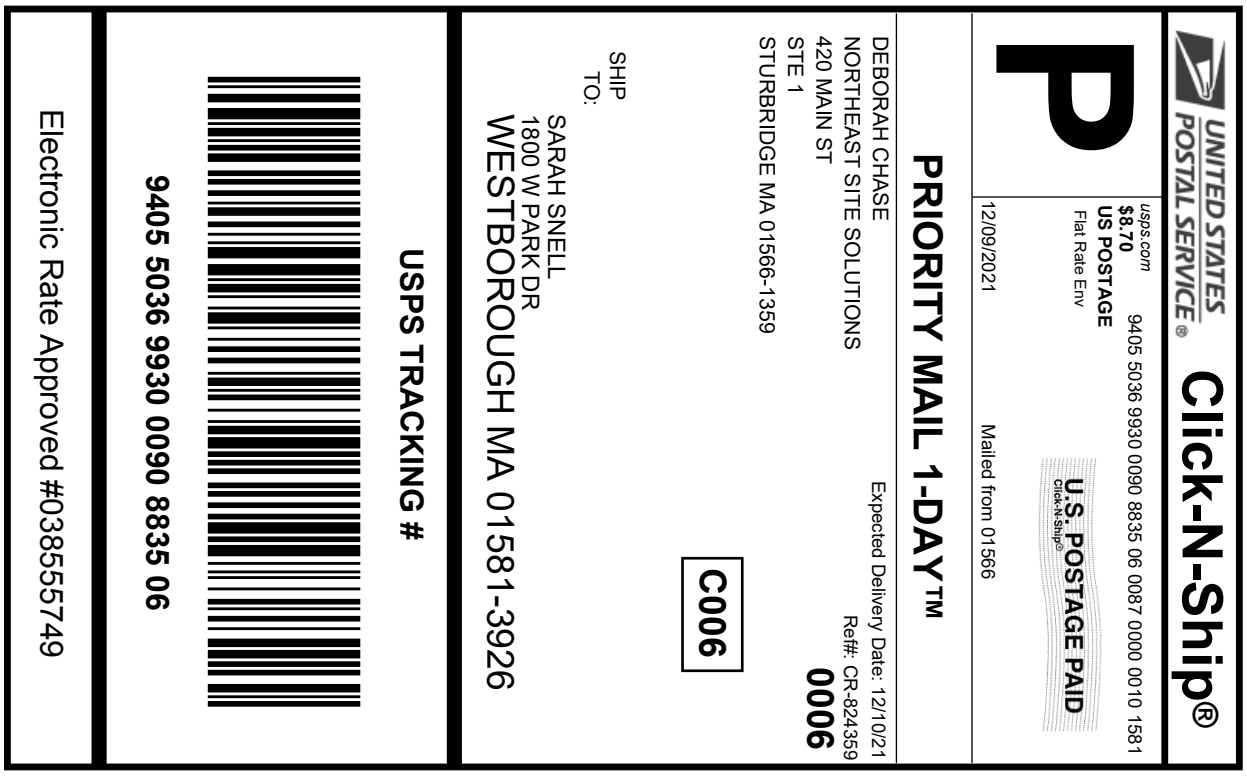

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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0090 8835 06

Trans. #:	550560774
Print Date:	12/09/2021
Ship Date:	12/09/2021
Expected Delivery Date:	12/10/2021

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

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

Ref#: CR-824359

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

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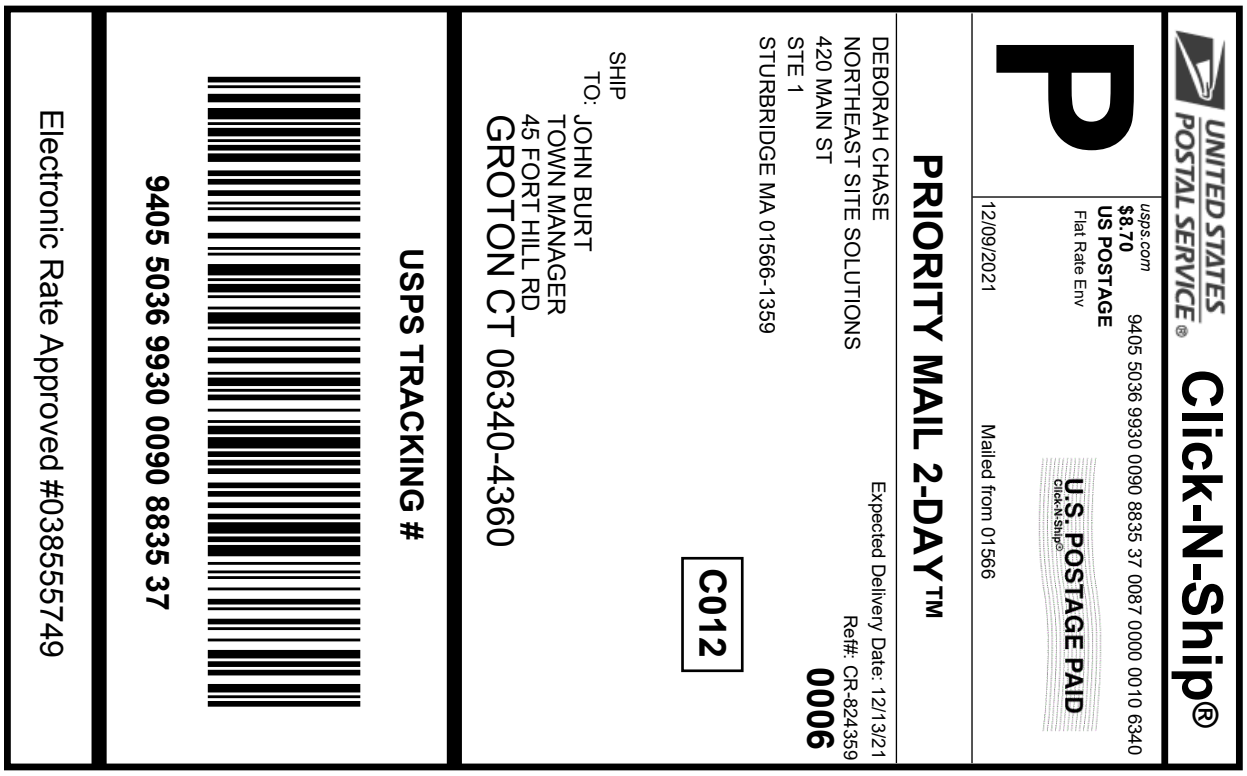

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USPS TRACKING # :
9405 5036 9930 0090 8835 37

Trans. #:	550560774
Print Date:	12/09/2021
Ship Date:	12/09/2021
Expected Delivery Date:	12/13/2021

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

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

Ref#: CR-824359

To: JOHN BURT
TOWN MANAGER
45 FORT HILL RD
GROTON CT 06340-4360

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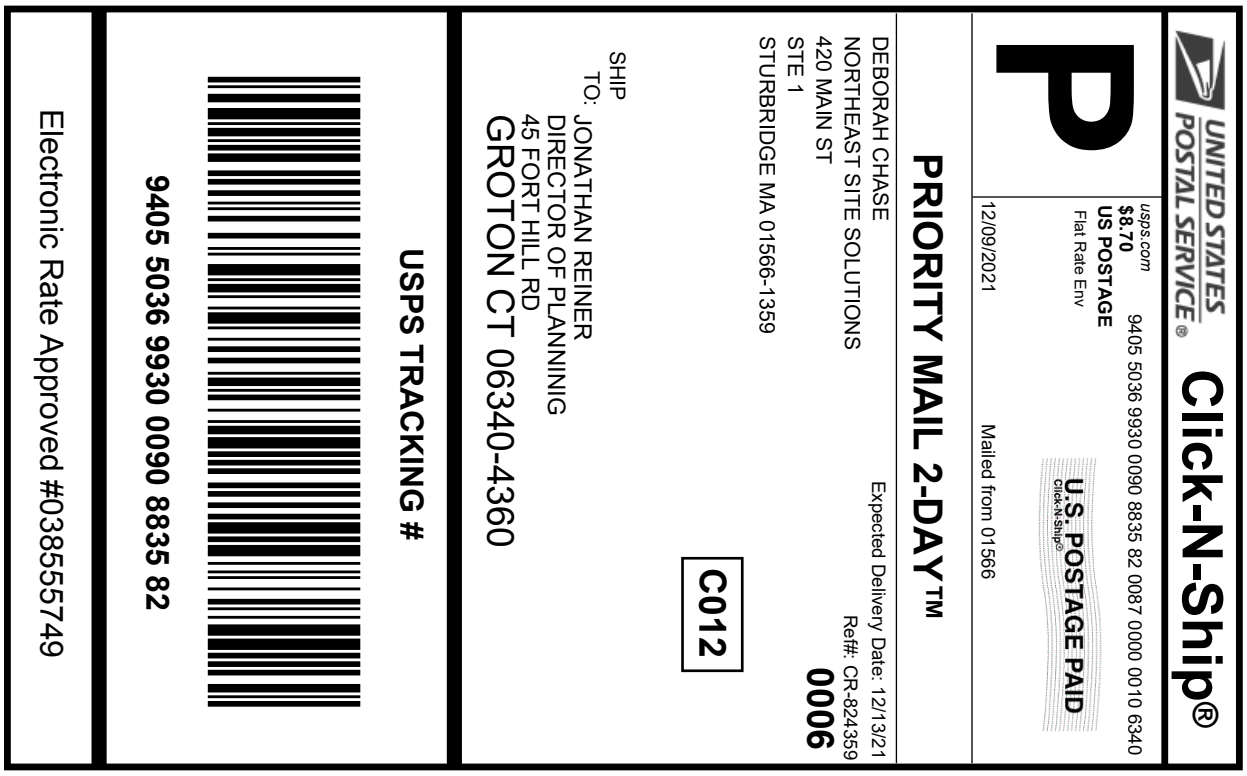

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Click-N-Ship® Label Record

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Trans. #:	550560774
Print Date:	12/09/2021
Ship Date:	12/09/2021
Expected Delivery Date:	12/13/2021

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

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

Ref#: CR-824359

To: JONATHAN REINER
DIRECTOR OF PLANNINIG
45 FORT HILL RD
GROTON CT 06340-4360

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

12/10/2021 12:06 PM

Product	Qty	Unit Price	Price
Prepaid Mail Westborough, MA 01581 Weight: 0 lb 2.00 oz Acceptance Date: Fri 12/10/2021 Tracking #: 9405 5036 9930 0090 8835 06	1		$0.00
Prepaid Mail Groton, CT 06340 Weight: 0 lb 7.60 oz Acceptance Date: Fri 12/10/2021 Tracking #: 9405 5036 9930 0090 8834 83	1		$0.00
Prepaid Mail Groton, CT 06340 Weight: 0 lb 7.60 oz Acceptance Date: Fri 12/10/2021 Tracking #: 9405 5036 9930 0090 8835 37	1		$0.00
Prepaid Mail Groton, CT 06340 Weight: 0 lb 7.60 oz Acceptance Date: Fri 12/10/2021 Tracking #: 9405 5036 9930 0090 8835 82	1		$0.00
Grand Total:			$0.00