NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

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

November 2, 2021

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

RE: Exempt Modification Application
1000 Old County Circle, Windsor Locks, CT 06096
Latitude: 41.910272
Longitude: -72.661769
Site #: 842876_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 1000 Old County Circle, Windsor Locks, CT 06096. Verizon Wireless currently maintains twelve (12) antennas at the 85-foot level of the existing 101-foot tower. The property is owned by Stanley & Maria Rafalowski and the tower is owned by Crown Castle. Verizon now intends to replace nine (9) antennas. The new antennas would be installed at the 85-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable.

Verizon Planned Modifications:

Remove:
(3) Alcatel Lucent B4 RRH
(6) 1-5/8" Coax
(6) Diplexers

Remove and Replace:
(3) QUAD656C0000X Antenna (REMOVE) - (3) MT6407-77A Antennas (REPLACE)
(6) HBXX-6517DS-A2M Antennas (REMOVE) - (6) NHH-65B-R2B Antennas (REPLACE)
(3) Alcatel Lucent B25 RRH (REMOVE) - (3) Samsung B2/B66A RRH-BR049 (RFV01U-D1A)
(3) Alcatel Lucent B13 RRH (REMOVE) - (3) Samsung B5/B13A RRH-BR04C (RFV01U-D2A)

Install New: None

Existing to Remain:
(3) AMPHENOL / ANTEL Antennas
(2) Raycap
(6) 1-5/8" Coax
(2) Hybrid Line

The facility was originally approved by the Town of Windsor Locks. Please see attached Building Permit # 23831 dated July 26, 2000.

NORTHEAST SITE SOLUTIONS

Turnkey Wireless Development

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 J. Christopher Kervick, First Selectman, and Jennifer Rodriguez, Town Planner for the Town of Windsor Locks. 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

Attachments

Cc: J. Christopher Kervick, First Selectman
Town of Windsor Locks
50 Church Street, Windsor Locks, CT 06096

Jennifer Rodriguez, Town Planner
Town of Windsor Locks
50 Church Street, Windsor Locks, CT 06096

NSS NORTHEAST SITE SOLUTIONS

Turnkey Wireless Development

Stanley & Maria Rafalowski – Property Owners
1000 Old County Circle #105
Windsor Locks, CT 06096

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

DATE July 26, 2000
CHECK NO 8330-$790.
C.O. FEE 8331-$510. CASH

APPLICANT
NAME Brois Construction Corp.
ADDRESS 73 East Main Street
Elmsford, NY 10523

PHONE 914-592-4848 LICENSE NO.
OWNER NAME Old County Circle Industrial Park Lots 5 & 6 Association II
ADDRESS 37 Quail Hollow Road
Agawam, MA 01001

TOWN OF WINDSOR LOCKS, CT
BUILDING PERMIT
Nº 23831

ESTIMATED COST/VALUE $ 78,000.
(EXCLUDING ELECTRICAL, PLUMBING & HVAC)
FEE $ 790.

Construction of an unmanned wireless communications site consisting of a (32' x 55' 6") fenced compound containing a prefab. equipment shelter & a (98') High monopole w/ antennas at 1000 Old County Circle.

All work to be done in accordance with this application and plans approved by the Building Department

Building Official

Exhibit B

Property Card

1000 OLD COUNTY CIRCLE #105

Location	1000 OLD COUNTY CIRCLE #105	**Mblu**	51/ 125/ 13/ 105/
		UID	00324200
Owner	RAFALOWSKI STANLEY & MARIA	**Assessment**	$83,400
		Appraisal	$119,100
PID	966	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2013	$119,100	$0	$119,100

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2013	$83,400	$0	$83,400

Owner of Record

Owner	RAFALOWSKI STANLEY & MARIA	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	1000 OLD COUNTY CIRCLE #105 WINDSOR LOCKS, CT 06096	**Book & Page**	196/765
		Sale Date	09/17/1990

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
RAFALOWSKI STANLEY & MARIA	$0		196/765	09/17/1990

Building Information

Building 1 : Section 1

Year Built:	1989
Living Area:	3,375
Replacement Cost:	$151,247
Building Percent Good:	75

Building Photo


Building Photo
(http://images.vgsi.com/photos/WindsorlocksCTPhotos/\00\00\74\86.jpg)

Building Layout

Replacement Cost
Less Depreciation: $113,400

Building Attributes	
Field	**Description**
STYLE	Indust Condo
MODEL	Com Condo
Stories:	1 Story
Occupancy	1
Interior Wall A	Minim/Masonry
Interior Wall B	
Interior Floor A	Concrete
Interior Floor B	
Heat Fuel:	Gas
Heat Type:	Forced Air-Duc
AC Type:	None
Total Bedrooms:	No Bedrooms
Total Bathrooms:	0
Total Half Baths:	0
Total Rooms:	
Bath Style:	
Kitchen Style:	
Cath. Ceiling	
Fireplace Gas	
Fin. Basement	
Basement Gar.	
Whirlpool	
Fireplace Types	
Fireplaces	
Grade	Below Average
Stories	1
Residential Units:	0
Exterior Wall A	Average
Exterior Wall B	
Roof Structure	Flat
Roof Cover	Tar and Gravel
Commercial Units	15
Res/Com Units:	0
Section #:	
Foundation	


Building Layout
(http://images.vgsi.com/photos/WindsorlocksCTPhotos//Sketches/966_966

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	3,375	3,375
		3,375	3,375

Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
MEZ	Mezzanine	300.00 S.F.	$3,600	1
SPRK	Sprinklers	3375.00 S.F.	$2,400	1

Parcel Information

Use Code 305
Description Ind Condo
Deeded Acres 0

Land

Land Use

Use Code 305
Description Ind Condo
Zone IND1
Neighborhood
Alt Land Appr No
Category

Land Line Valuation

Size (Acres) 0
Frontage 0
Depth 0
Assessed Value $0
Appraised Value $0

Outbuildings

Outbuildings	Legend
No Data for Outbuildings	

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2013	$119,100	$0	$119,100
2012	$127,000	$0	$127,000
2007	$117,000	$0	$117,000

Assessment			
Valuation Year	Improvements	Land	Total
2013	$83,400	$0	$83,400
2012	$88,900	$0	$88,900
2007	$81,900	$0	$81,900


44
Adams Rd
Old County Rd
Cady Hill Blvd
norial Park
Geyser Rd
43
Skyward Dr
Skyward Dr

Exhibit C

Construction Drawings

VERIZON WIRELESS SITE NUMBER: 467751
VERIZON WIRELESS SITE NAME: WINDSOR LOCKS 2 CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 101'-0"

BUSINESS UNIT #: 842876
SITE ADDRESS: 1000 OLD COUNTY CIRCLE WINDSOR LOCKS, CT 06096
COUNTY: HARTFORD
JURISDICTION: CONNECTICUT SITTING COUNCIL

VERIZON WIRELESS 850 ADD 16244670

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	WINDSOR LOCKS
SITE ADDRESS:	1000 OLD COUNTY CIRCLE WINDSOR LOCKS, CT 06096
COUNTY:	HARTFORD
MAP/PARCEL #:	051-125-012
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.910097
LONGITUDE:	-72.661758
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	149'
CURRENT ZONING:	IND1
JURISDICTION:	CONNECTICUT SITTING COUNCIL
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	SCHEIDLE ADOLF & HELGA 218 MERIWETHER DRIVE LONG MEADOW MA 1106
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	N/A
TELCO PROVIDER:	N/A

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S BOULDER AVE, SUITE 300 TULSA, OK 74119 JENNY PAUL (918) 587-4630
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065 N/A - PROJECT MANAGER N/A - CONSTRUCTION MANAGER
VERIZON WIRELESS CONTACT:	ANDREW LEONE ALEONE@STRUCTURECONSULTING.NET

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN
C-2	TOWER ELEVATION & ANTENNA PLANS
C-3	EQUIPMENT SCHEDULES
C-4	EQUIPMENT DETAILS
C-5	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	10061286
VzW LOCATION CODE (PSLC)	467751

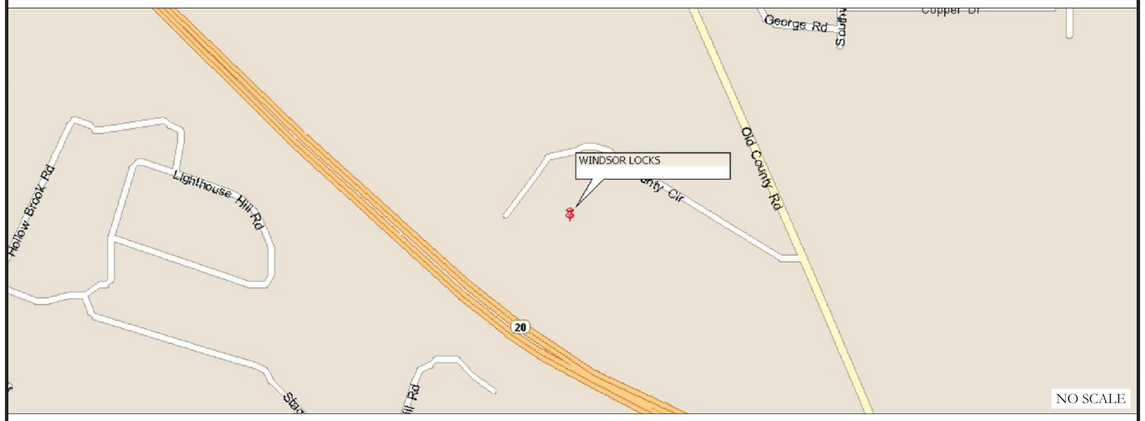
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	N

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DRIVING DIRECTIONS FROM BRADLEY INTERNATIONAL AIRPORT:
CONTINUE TO BRADLEY INTERNATIONAL AIRPORT CON, HEAD NORTH TOWARD BRADLEY INTERNATIONAL AIRPORT SLIGHT LEFT ONTO BRADLEY INTERNATIONAL AIRPORT, SLIGHT LEFT FOLLOW BRADLEY INTERNATIONAL AIRPORT CON AND CT-20 E TO KENNEDY RD IN WINDSOR. TAKE THE KENNEDY RD EXIT FROM CT-20 E, CONTINUE ONTO BRADLEY INTERNATIONAL AIRPORT CON CONTINUE ONTO CT-20 E/BRADLEY INTERNATIONAL AIRPORT CON, TAKE THE KENNEDY RD EXIT TOWARD OLD COUNTY RD, TAKE OLD COUNTY RD AND OLD COUNTY CIR TO YOUR DESTINATION IN WINDSOR LOCKS, TURN LEFT ONTO KENNEDY RD CONTINUE ONTO OLD COUNTY RD, TURN LEFT ONTO OLD COUNTY CIR, TURN LEFT DESTINATION WILL BE ON THE RIGHT.

APPLICABLE CODES/REFERENCE DOCUMENTS

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

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

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	B+T GROUP
DATED:	5/24/21
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	7/2/21
RFDS REVISION:	N/A
DATED:	9/1/21
ORDER ID:	568281
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 (9) RADIOS
- REMOVE (6) DIPLEXERS
- REMOVE (6) COAX CABLES
- INSTALL (9) ANTENNAS
- INSTALL (6) RADIOS

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 WIRELESS SITE NUMBER:
467751

BU #: **842876**
WINDSOR LOCKS

1000 OLD COUNTY CIRCLE
WINDSOR LOCKS, CT 06096

EXISTING 101'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/30/21	JJR	CONSTRUCTION	JJR
1	9/28/21	TDG	CONSTRUCTION	TDG
2	9/30/21	TDG	CONSTRUCTION	TDG

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

SHEET NUMBER: T-1

REVISION: 2

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
   CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
   CARRIER: VERIZON WIRELESS
   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 WIRELESS".
30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

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

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON WIRELESS SITE NUMBER:
467751

BU #: **842876**
WINDSOR LOCKS

1000 OLD COUNTY CIRCLE
WINDSOR LOCKS, CT 06096

EXISTING 101'-0" MONOPOLE

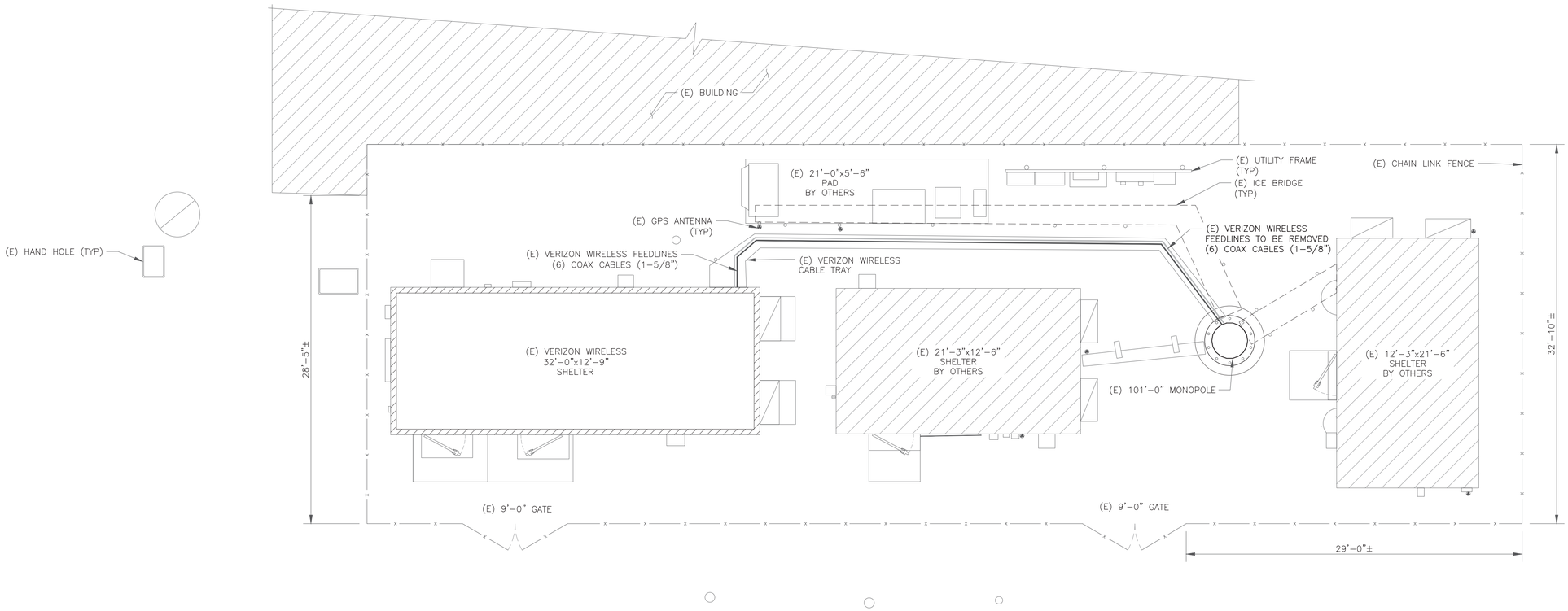
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/30/21	JJR	CONSTRUCTION	JJR
1	9/28/21	TDG	CONSTRUCTION	TDG
2	9/30/21	TDG	CONSTRUCTION	TDG

STATE OF CONNECTICUT – CHAD TUTTLE – No. 23924 – LICENSED PROFESSIONAL ENGINEER
9/30/21

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

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



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

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180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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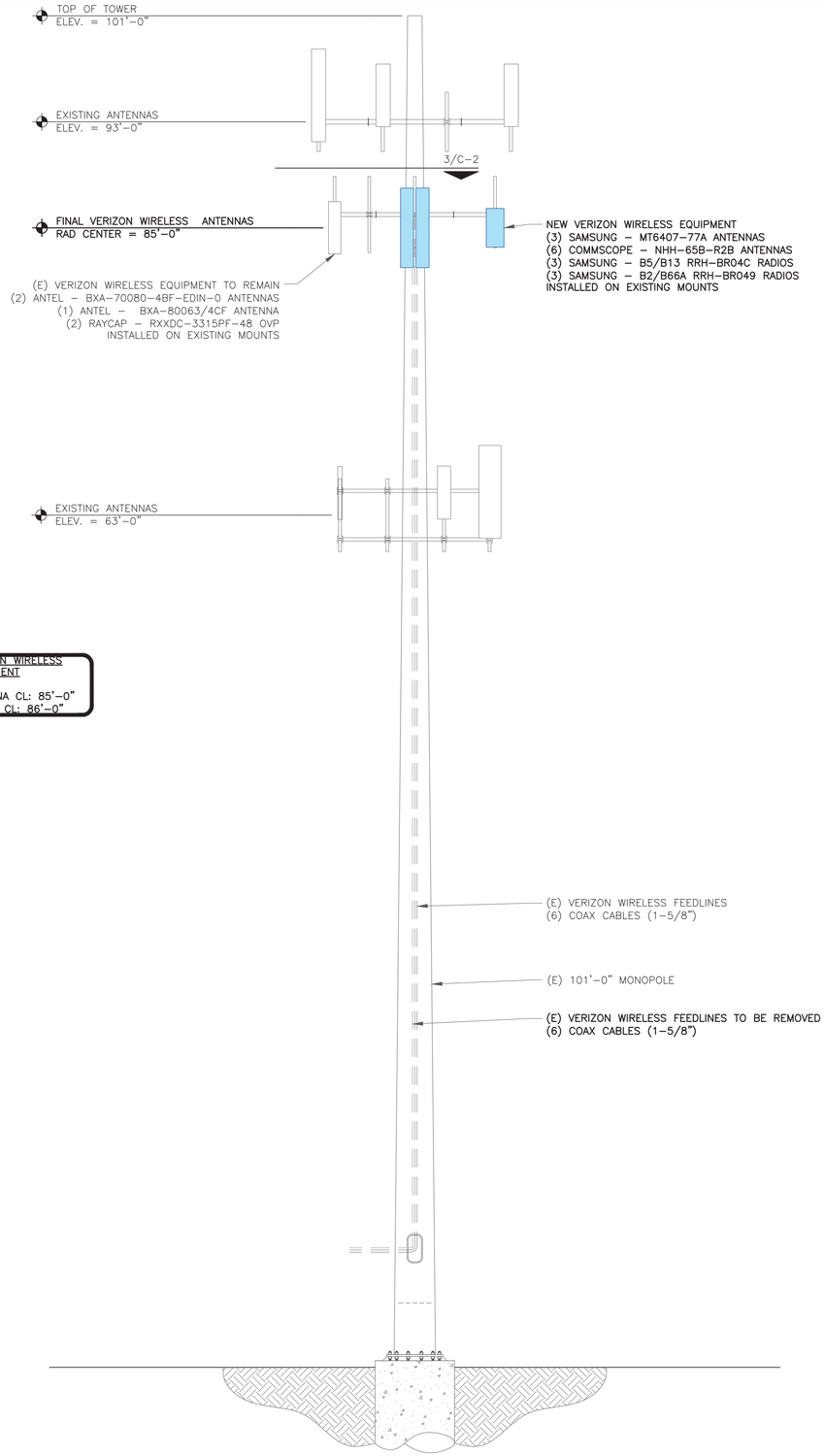
STATE OF CONNECTICUT
CHAD D. GOLLE
No. 23824
LICENSED
PROFESSIONAL ENGINEER
9/30/21

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

SHEET NUMBER: C-1
REVISION: 2



1 TOWER ELEVATION
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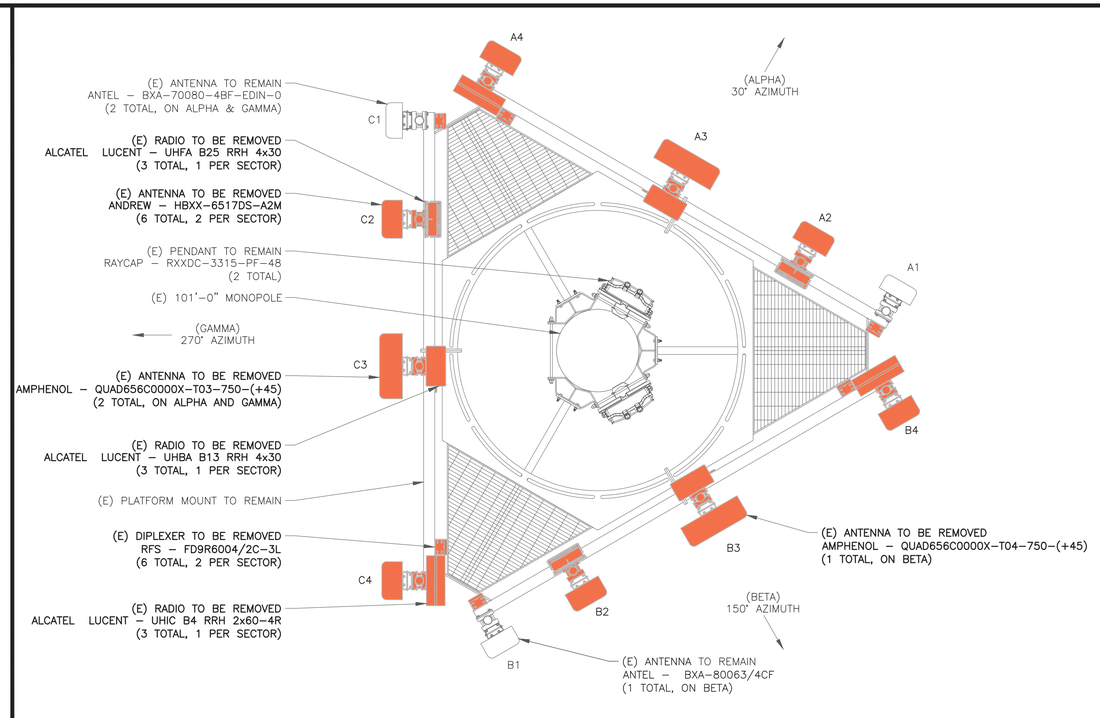
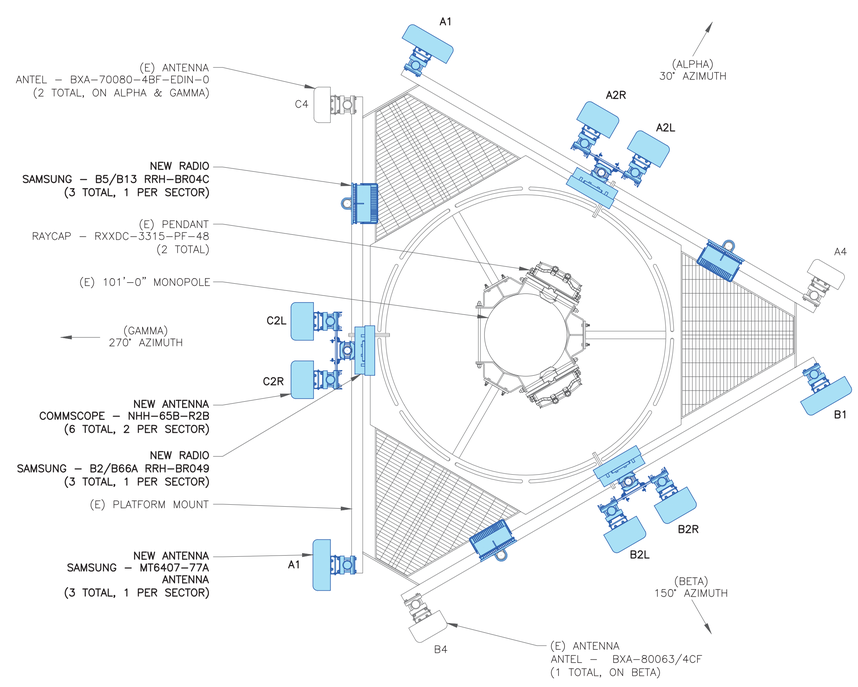


2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
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VERIZON WIRELESS SITE NUMBER:
467751

BU #: **842876**
WINDSOR LOCKS

1000 OLD COUNTY CIRCLE
WINDSOR LOCKS, CT 06096

EXISTING 101'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/30/21	JJR	CONSTRUCTION	JJR
1	9/28/21	TDG	CONSTRUCTION	TDG
2	9/30/21	TDG	CONSTRUCTION	TDG

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

SHEET NUMBER: C-2

REVISION: 2

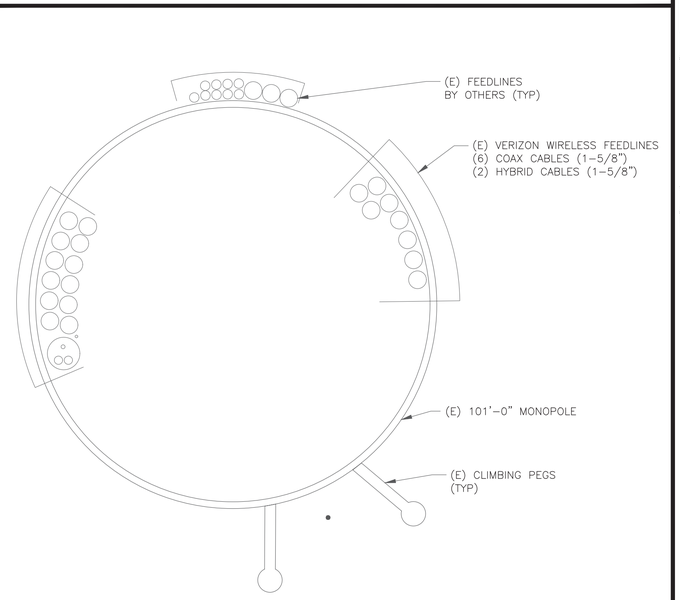
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	NEW	SAMSUNG	MT6407-77A	85'-0"	30°	0°	3°	–	–
A2L	NEW	COMMSCOPE	NHH-65B-R2B	85'-0"	30°	0°	1°/1°/3°/3°	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)
A2R	NEW	COMMSCOPE	NHH-65B-R2B	85'-0"	30°	0°	1°/1°/3°/3°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)
A3	EXISTING	–	EMPTY PIPE	85'-0"	30°	–	–	–	–
A4	EXISTING	ANTEL	BXA-70080-4BF-EDIN-0	85'-0"	30°	6°	0°	RAYCAP	(1) RXXDC-3315PF-48
B1	NEW	SAMSUNG	MT6407-77A	85'-0"	150°	0°	3°	–	–
B2L	NEW	COMMSCOPE	NHH-65B-R2B	85'-0"	150°	0°	1°/1°/4°/4°	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)
B2R	NEW	COMMSCOPE	NHH-65B-R2B	85'-0"	150°	0°	1°/1°/4°/4°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)
B3	EXISTING	–	EMPTY PIPE	85'-0"	150°	–	–	–	–
B4	EXISTING	ANTEL	BXA-80063/4CF	85'-0"	150°	6°	0°	RAYCAP	(1) RXXDC-3315PF-48
C1	NEW	SAMSUNG	MT6407-77A	85'-0"	270°	0°	3°		
C2L	NEW	COMMSCOPE	NHH-65B-R2B	85'-0"	270°	0°	1°/1°/3°/3°	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)
C2R	NEW	COMMSCOPE	NHH-65B-R2B	85'-0"	270°	0°	1°/1°/3°/3°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)
C3	EXISTING	–	EMPTY PIPE	85'-0"	270°	–	–	–	–
C4	EXISTING	ANTEL	BXA-70080-4BF-EDIN-0	85'-0"	270°	6°	0°	–	–

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	135'-0"±	6
EXISTING	HYBRID	1-5/8"	135'-0"±	2
TOTAL CABLE QTY:				8



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

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SUITE 300
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PH: (918) 587-4630
www.btgrp.com

VERIZON WIRELESS SITE NUMBER:
467751

BU #: **842876**
WINDSOR LOCKS

1000 OLD COUNTY CIRCLE
WINDSOR LOCKS, CT 06096

EXISTING 101'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/30/21	JJR	CONSTRUCTION	JJR
1	9/28/21	TDG	CONSTRUCTION	TDG
2	9/30/21	TDG	CONSTRUCTION	TDG

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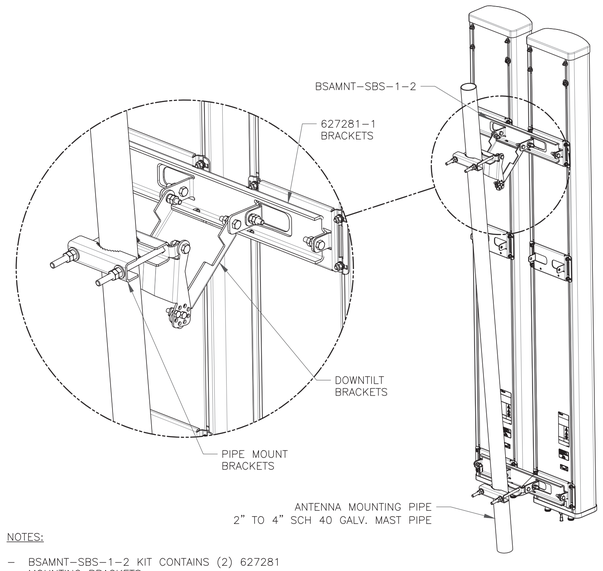
SHEET NUMBER: C-3

REVISION: 2

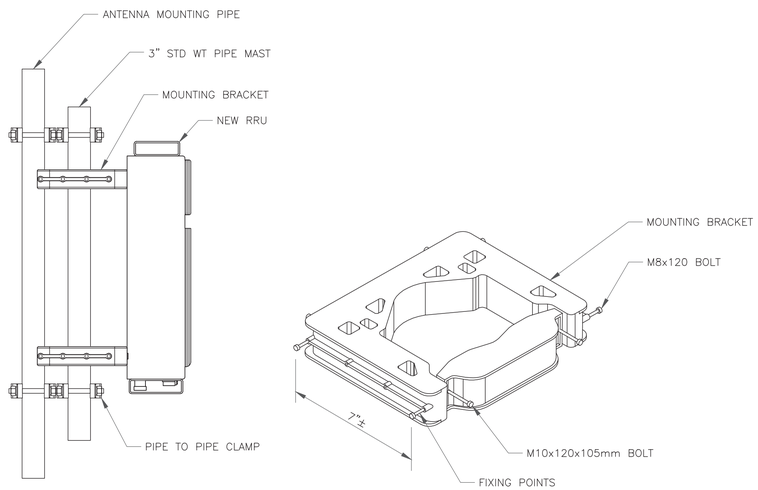


NOTES:

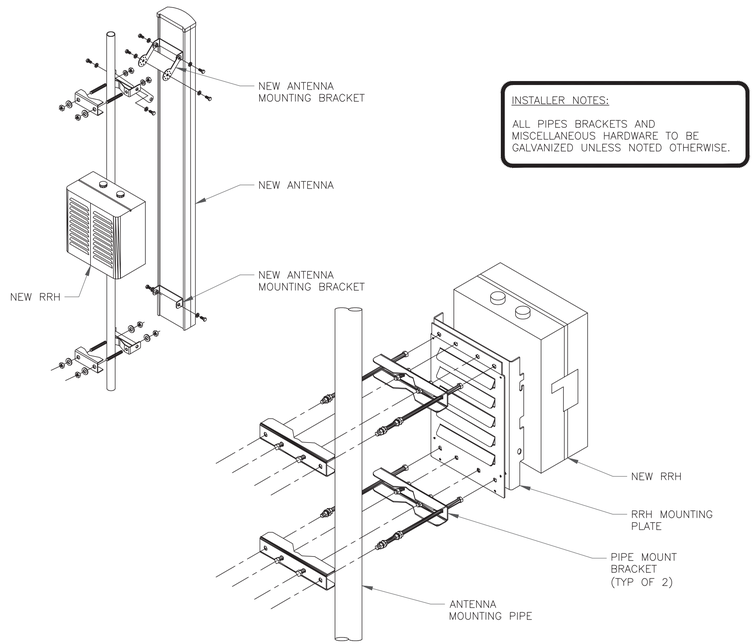
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

2 NOT USED
SCALE: NOT TO SCALE



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



INSTALLER NOTES:

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

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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WINDSOR LOCKS, CT 06096

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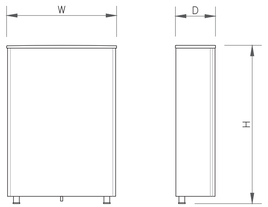
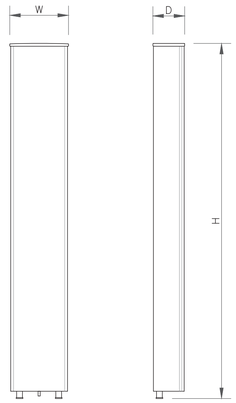
Expires 2/10/22

SHEET NUMBER: C-4
REVISION: 2



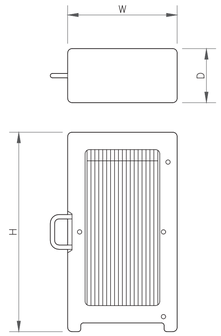
ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	MT6407-77A
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.12"
WEIGHT	87.10 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



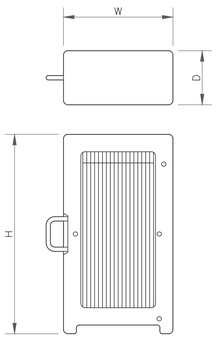
ANTENNA SPECS	
MANUFACTURER	COMMSCOPE
MODEL #	NHH-65B-R2B
WIDTH	11.90"
DEPTH	7.10"
HEIGHT	72.00"
WEIGHT	43.70 LBS

2 ANTENNA SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	SAMSUNG - B5/B13 RRH-BR04C
WIDTH	15.00"
DEPTH	8.10"
HEIGHT	15.00"
WEIGHT	70.30 LBS

3 RRU SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	B2/B66A RRH-BR049
WIDTH	15.00"
DEPTH	10.00"
HEIGHT	15.00"
WEIGHT	84.40 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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VERIZON WIRELESS SITE NUMBER:
467751

BU #: **842876**
WINDSOR LOCKS

1000 OLD COUNTY CIRCLE
WINDSOR LOCKS, CT 06096

EXISTING 101'-0" MONOPOLE

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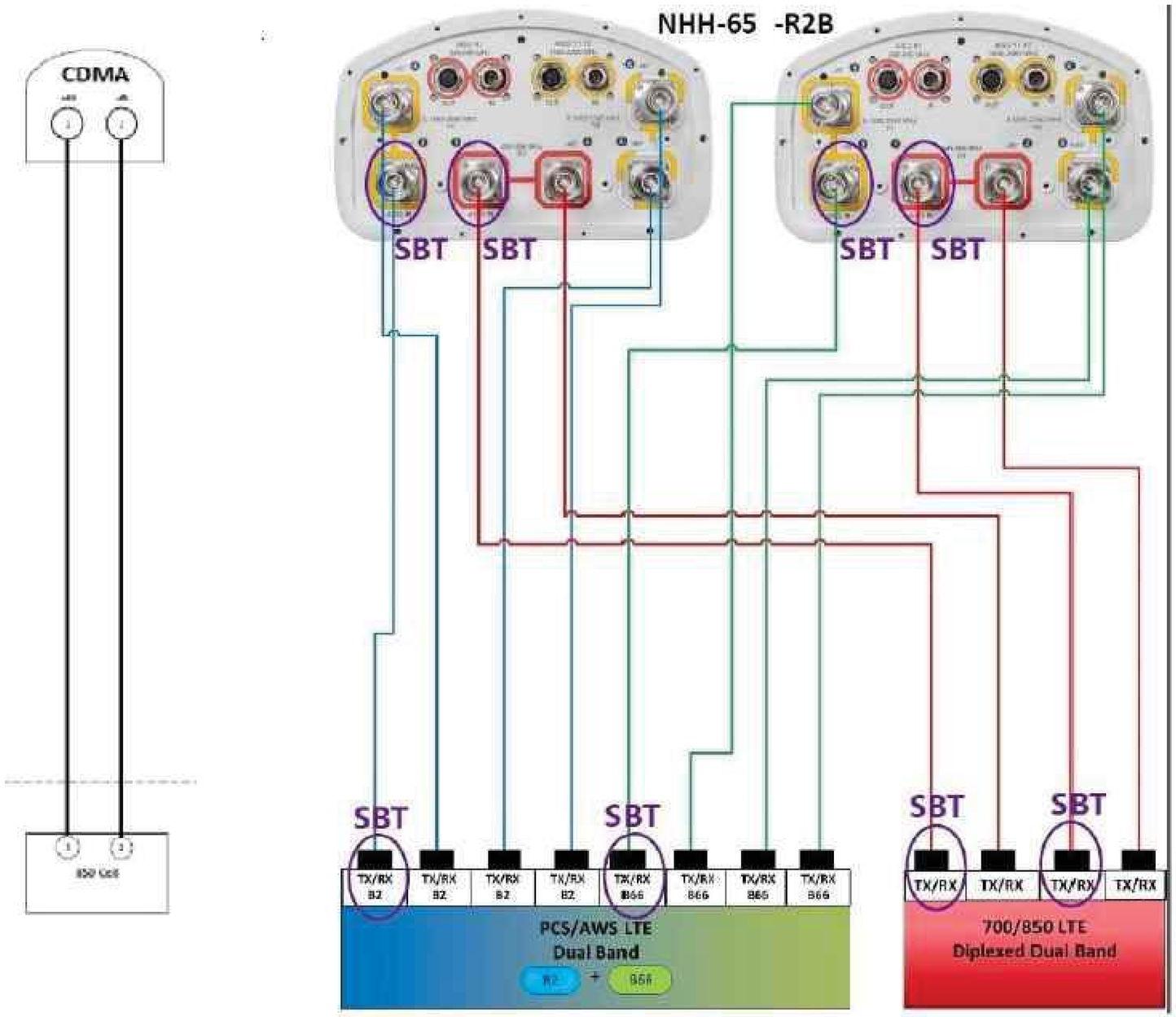
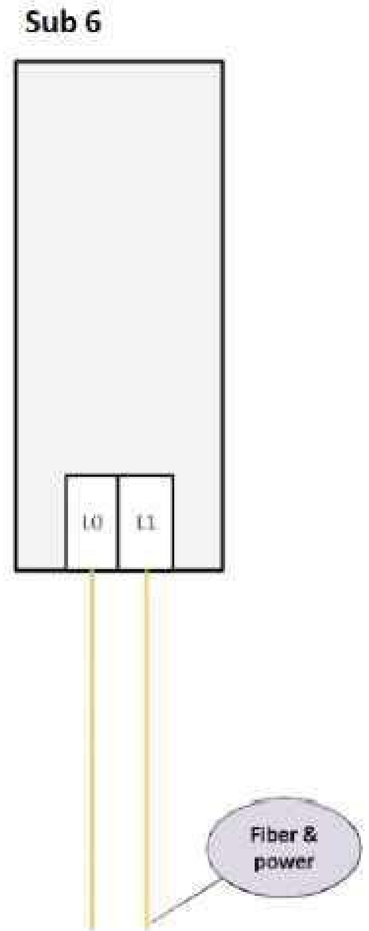
SHEET NUMBER: C-5
REVISION: 2





1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

verizon
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VERIZON WIRELESS SITE NUMBER:
467751

BU #: **842876**
WINDSOR LOCKS

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WINDSOR LOCKS, CT 06096

EXISTING 101'-0" MONOPOLE

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2	9/30/21	TDG	CONSTRUCTION	TDG

STATE OF CONNECTICUT
No. 23824
LICENSED
PROFESSIONAL ENGINEER
9/30/21

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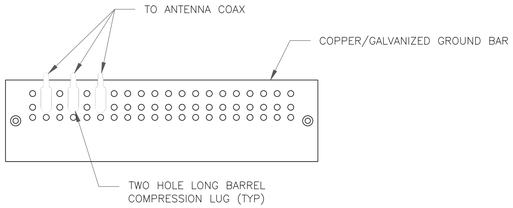
PEC.0001564
Expires 2/10/22

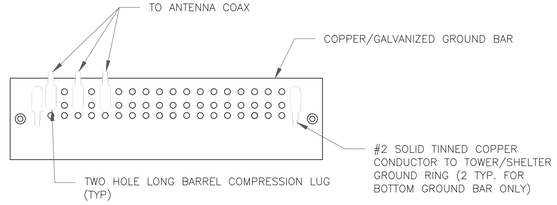
SHEET NUMBER: C-6
REVISION: 2



NOTES:

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

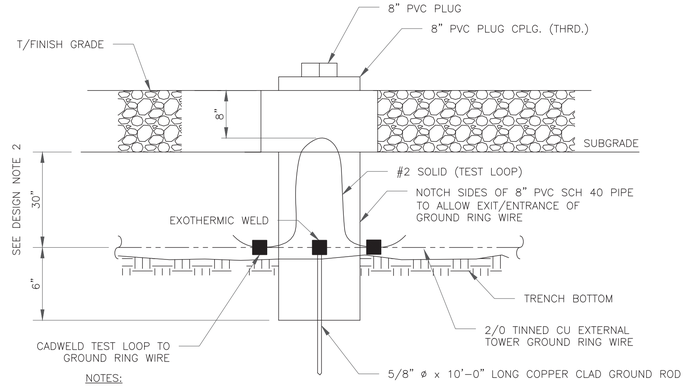
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

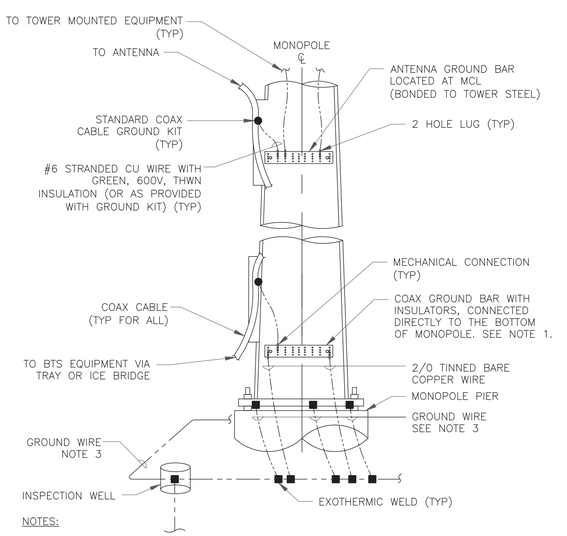
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

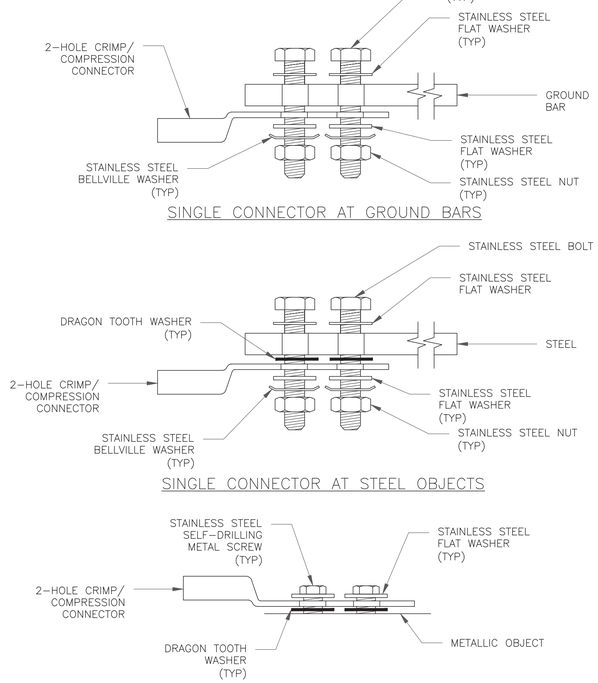
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



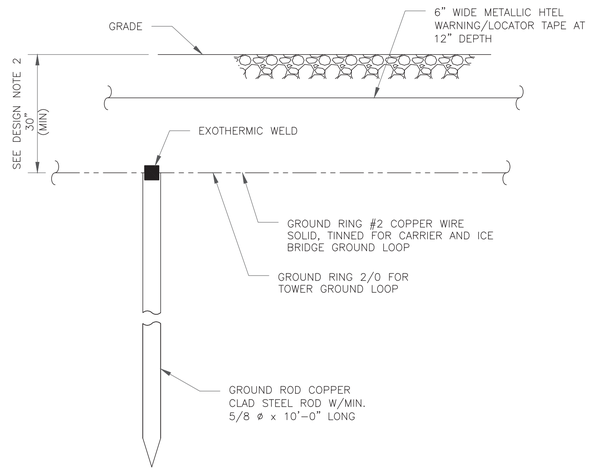
NOTES:

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

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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VERIZON WIRELESS SITE NUMBER:
467751

BU #: **842876**
WINDSOR LOCKS

1000 OLD COUNTY CIRCLE
WINDSOR LOCKS, CT 06096

EXISTING 101'-0" MONOPOLE

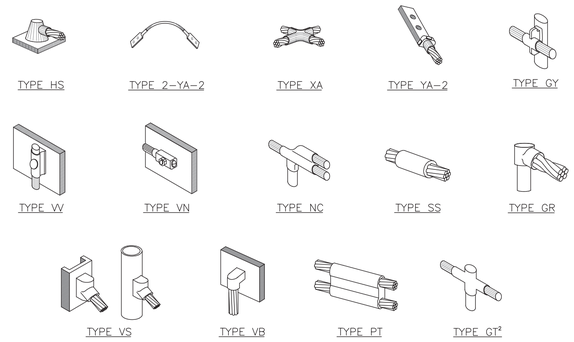
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/30/21	JJR	CONSTRUCTION	JJR
1	9/28/21	TDG	CONSTRUCTION	TDG
2	9/30/21	TDG	CONSTRUCTION	TDG

STATE OF CONNECTICUT
GREGORY D. GRACE
No. 23824
LICENSED
PROFESSIONAL ENGINEER
9/30/21

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

SHEET NUMBER: G-1
REVISION: 2

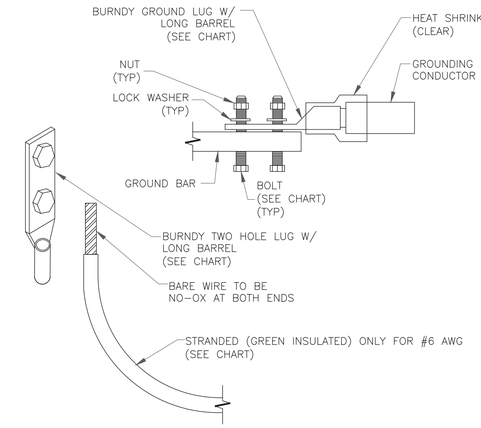


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

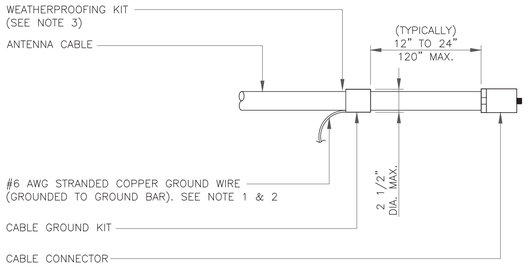
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

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

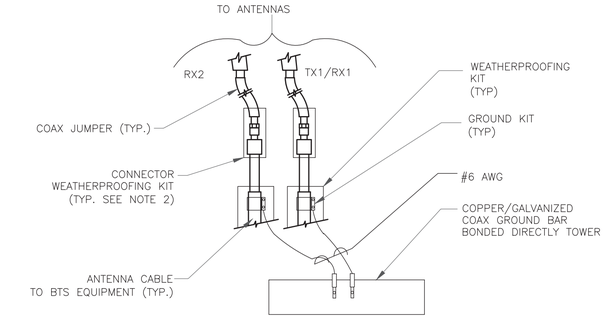
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

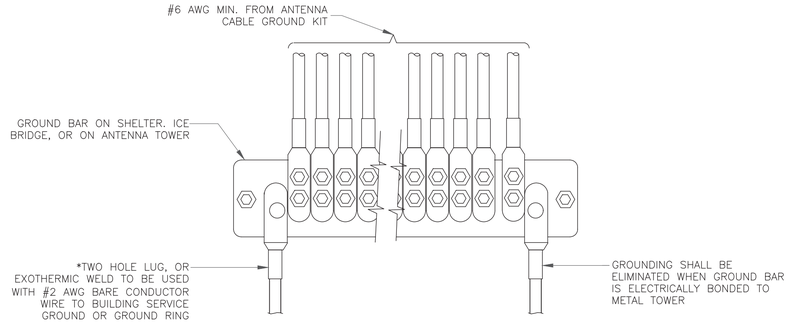
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



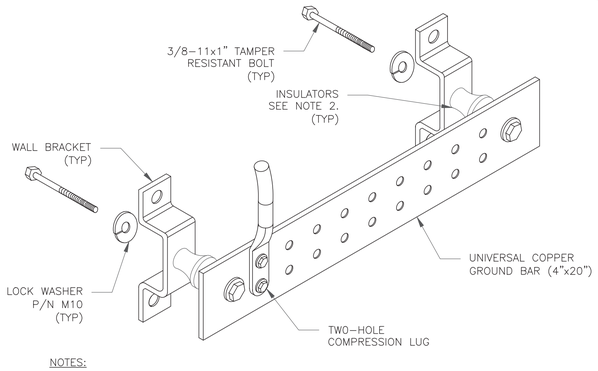
NOTES:

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

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



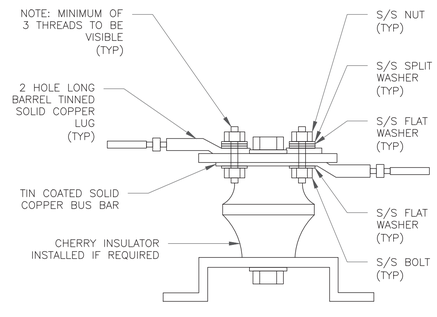
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



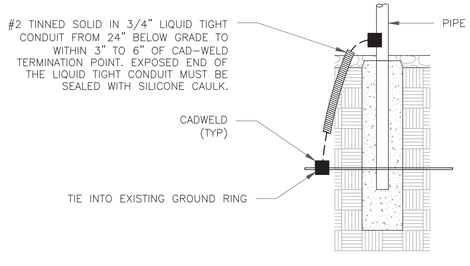
NOTES:

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

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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

SHEET NUMBER: G-2
REVISION: 2

Exhibit D

Structural Analysis Report

Date: **May 24, 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:	467751
	Site Name:	Windsor Locks 2 CT
Crown Castle Designation:	**BU Number:**	842876
	Site Name:	Windsor Locks
	JDE Job Number:	667194
	Work Order Number:	1962314
	Order Number:	568281 Rev. 0
Engineering Firm Designation:	**B+T Group Project Number:**	136274.003.01
Site Data:	**1000 Old County Circle, Windsor Locks, Hartford County, CT** **Latitude *41° 54' 36.88"*, Longitude *-72° 39' 42.43"*** **101 Foot - Monopole Tower**	

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

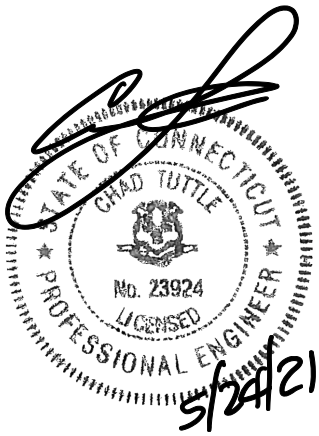
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity - 99.9%**

This analysis utilizes an ultimate 3-second gust wind speed of 125 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Brandon Sevier, P.E.

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



Chad E. Tuttle, P.E.

tnxTower Report - version 8.0.9.0

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 101 ft. Monopole tower designed by Engineered Endeavors, Inc. in July of 2000.

The tower has been modified per reinforcement drawings prepared by B+T Group, in July of 2012. Reinforcement consists of base plate stiffeners and those modifications were found to be ineffective.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	2 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
86.0	86.0	1	--	Platform Mount [LP 601-1]	8	1-5/8
	85.0	2	Antel	BXA-70080-4CF-2		
		1	Antel	BXA-80063-4CF-EDIN-2		
		6	Commscope	NHH-65B-R2B		
		2	Raycap	RXXDC-3315-PF-48		
		3	Samsung Telecom.	RFV01U-D1A		
		3	Samsung Telecom.	RFV01U-D2A		
		3	VZW	Sub6 Antenna - VZS01		

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)
93.0	97.0	1	Raycap	DC6-48-60-18-8F	12 2 1 1	7/8 3/4 3/8 1/8
	95.0	1	Andrew	SBNH-1D6565C		
		6	Ericsson	RRUS 11		
		1	KMW Comm.	AM-X-CD-16-65-00T-RET		
		6	Powerwave Tech.	7770.00		
		1	Powerwave Tech.	P65-17-XLH-RR		
	94.0	12	Powerwave Tech.	LGP21401		
	93.0	1	--	Platform Mount [LP 601-1]		
63.0	65.0	3	Ericsson	AIR 32 B2A B66AA	3 9	1-5/8 7/8
		3	Ericsson	KRY 112 144/1		
		3	Ericsson	KRY 112 489/2		
		3	Ericsson	RADIO 4449 B12/B71		
		3	RFS Celwave	APXV18-206516S-C-A20		
		3	RFS Celwave	APXVAARR24_43-U-NA20		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
	63.0	1	Site Pro1	PRK-1245 Kicker Support		
		1	Site Pro1	HRK12 Handrail Kit		
		1	--	Platform Mount [LP 303-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	4713154	CCI Sites
Tower Modification Drawing	4964607	CCI Sites
Legacy Modification Inspection	6740106	CCI Sites
Foundation Drawing	4713155	CCI Sites
Geotech Report	4291693	CCI Sites
Crown CAD Package	Date: 04/28/2021	CCI Sites

3.1) Analysis Method

tnxTower (version 8.0.9.0), 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.

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	101 - 83.62	Pole	TP17.41x13x0.188	1	-3.049	604.070	17.4	Pass
L2	83.62 - 45.58	Pole	TP26.56x16.337x0.25	2	-13.334	1235.461	63.3	Pass
L3	45.58 - 0	Pole	TP37.5x25.098x0.313	3	-22.269	2265.679	66.3	Pass
							Summary	
						Pole (L3)	66.3	Pass
						Rating =	66.3	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	Base	54.0	Pass
1,2	Base Plate	Base	99.9	Pass
1,2	Base Foundation (Structure)	Base	43.1	Pass
1,2	Base Foundation (Soil Interaction)	Base	31.8	Pass

Structure Rating (max from all components) =	99.9%

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

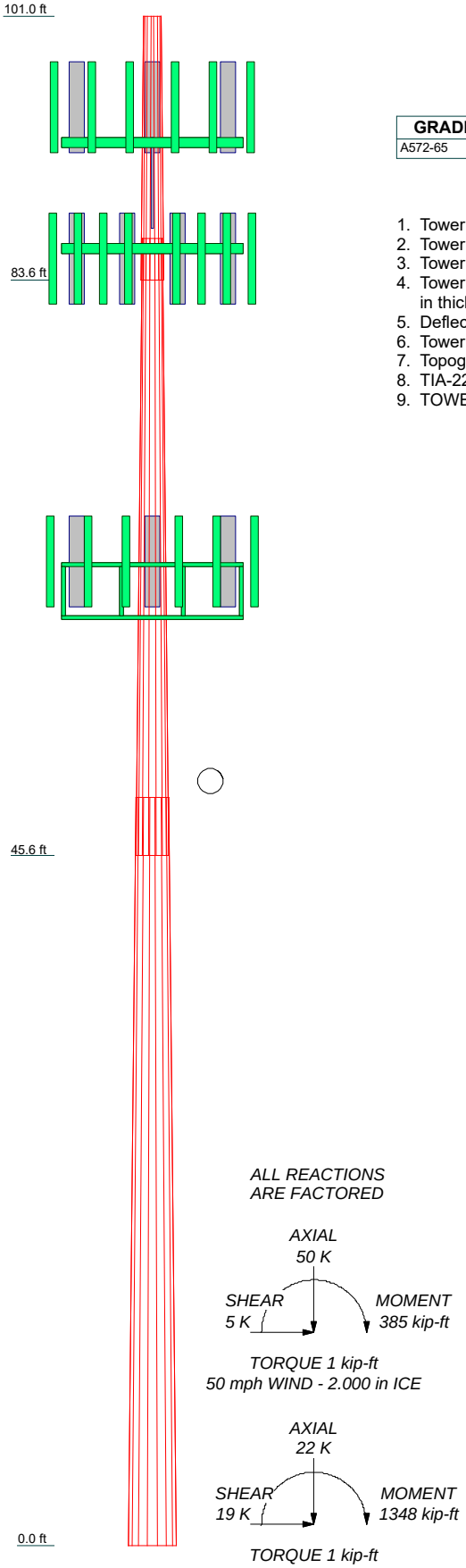
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	1	2	3		
Length (ft)	17.380	40.790	49.420		
Number of Sides	18	18	18		
Thickness (in)	0.188	0.250	0.313		
Socket Length (ft)	2.750	3.840			
Top Dia (in)	13.000	16.337	25.098		
Bot Dia (in)	17.410	26.560	37.500		
Grade	A572-65				
Weight (K)	0.5	2.3	5.2		8.0



MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 2.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 66.3%

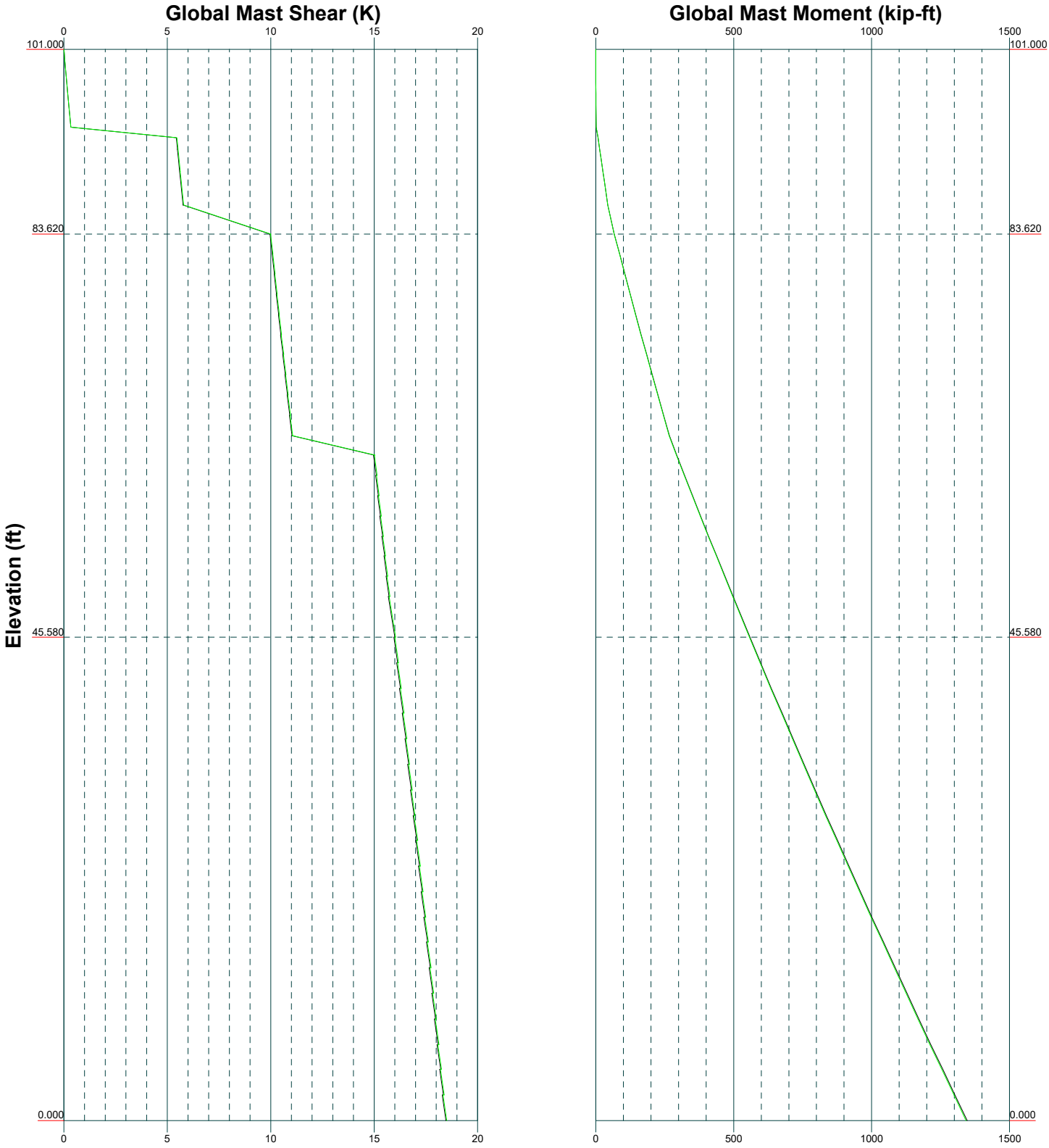
B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: 136274.003.01 - WINDSOR LOCKS, CT (BU# 84287			
Project:			
Client: Crown Castle	Drawn by: V. RAO	App'd:	
Code: TIA-222-H	Date: 05/18/21	Scale: NTS	
Path:		Dwg No. E-1	

TIA-222-H - 125 mph/50 mph 2.000 in Ice Exposure C

Maximum Values

Vx Vz Mx Mz



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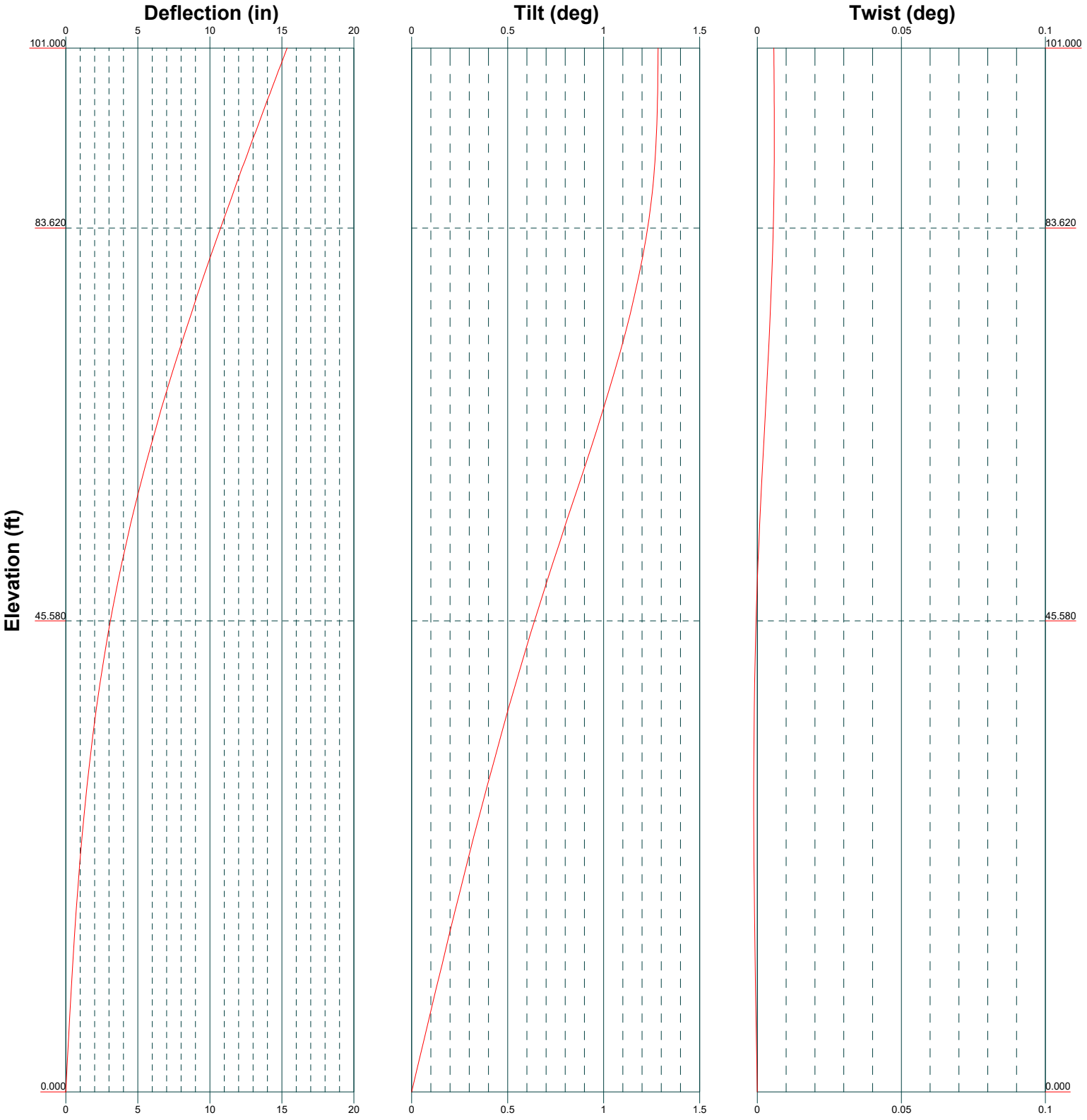
Project:			
Client: Crown Castle	Drawn by: V. RAO	App'd:	
Code: TIA-222-H	Date: 05/18/21	Scale: NTS	
Path:		Dwg No. E-4	

TIA-222-H - Service - 60 mph

Maximum Values



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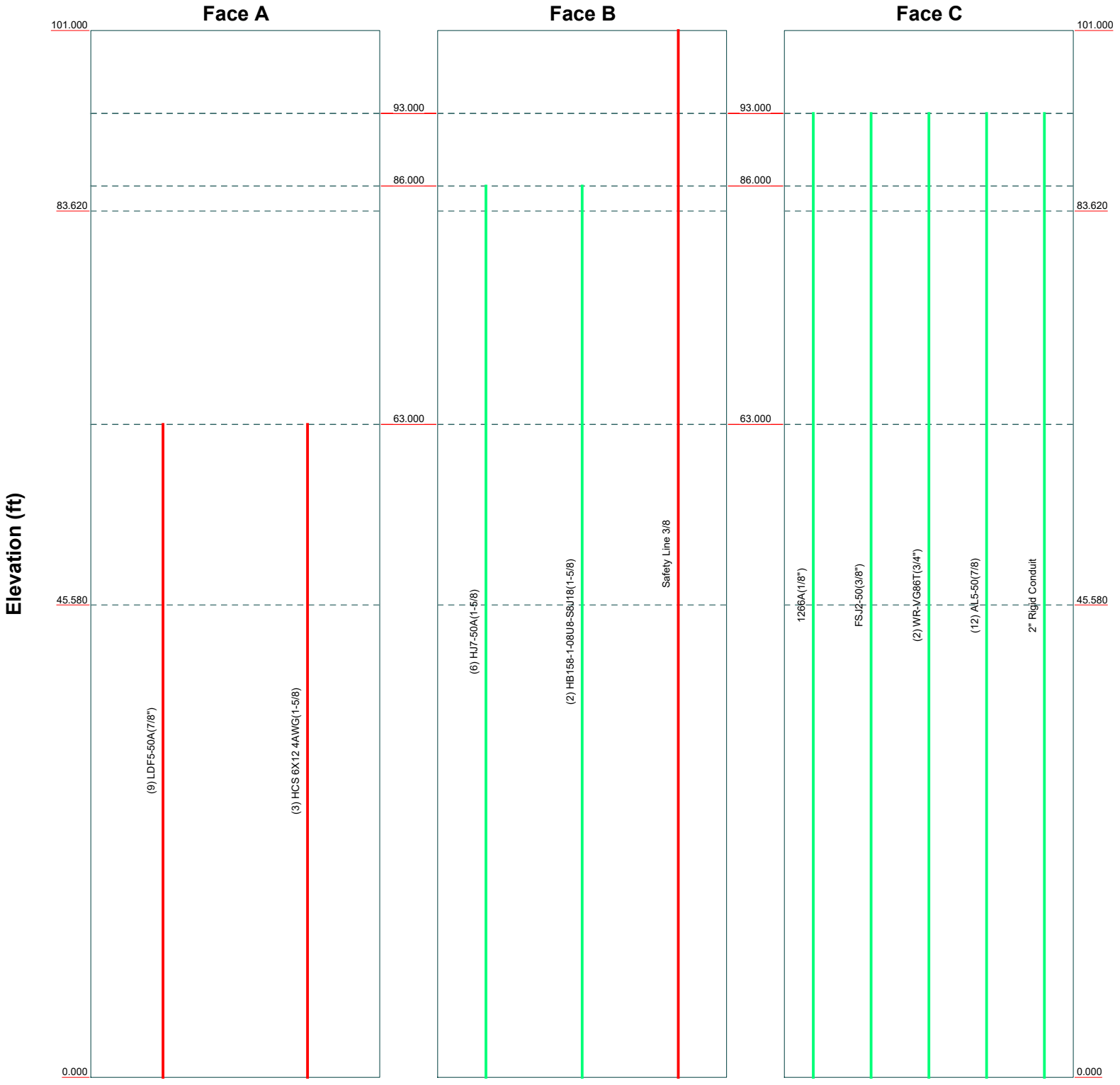
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: 136274.003.01 - WINDSOR LOCKS, CT (BU# 842876			
Project:			
Client: Crown Castle	Drawn by: V. RAO	App'd:	
Code: TIA-222-H	Date: 05/18/21	Scale: NTS	
Path:		Dwg No. E-5	

Feed Line Distribution Chart
0' - 101'

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



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Phone: (918) 587-4630
FAX: (918) 295-0265

Job: 136274.003.01 - WINDSOR LOCKS, CT (BU# 842876		
Project:		
Client: Crown Castle	Drawn by: V. RAO	App'd:
Code: TIA-222-H	Date: 05/18/21	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 Hartford County, Connecticut.
Tower base elevation above sea level: 148.000 ft.
Basic wind speed of 125 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.000 ft.
Nominal ice thickness of 2.000 in.
Ice thickness is considered to increase with height.
Ice density of 56.000 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50.000 °F.
Deflections calculated using a wind speed of 60 mph.
TIA-222-H Annex S.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	101.000-83.620	17.380	2.750	18	13.000	17.410	0.188	0.750	A572-65 (65 ksi)
L2	83.620-45.580	40.790	3.840	18	16.337	26.560	0.250	1.000	A572-65 (65 ksi)
L3	45.580-0.000	49.420		18	25.098	37.500	0.313	1.250	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	13.172	7.625	158.142	4.548	6.604	23.946	316.492	3.813	1.958	10.443
	17.650	10.250	384.091	6.114	8.844	43.428	768.688	5.126	2.734	14.582
L2	17.251	12.765	417.376	5.711	8.299	50.290	835.300	6.384	2.435	9.741
	26.931	20.877	1825.774	9.340	13.492	135.318	3653.950	10.440	4.235	16.938
L3	26.415	24.584	1907.952	8.799	12.750	149.648	3818.415	12.294	3.867	12.375
	38.030	36.885	6444.442	13.202	19.050	338.291	12897.364	18.446	6.050	19.36

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 101.000-83.620				1	1	1			
L2 83.620-45.580				1	1	1			
L3 45.580-0.000				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
*										
LDF5-50A(7/8")	A	No	Surface Ar (CaAa)	63.000 - 0.000	9	5	0.000 0.200	1.090		0.000
HCS 6X12 4AWG(1-5/8)	A	No	Surface Ar (CaAa)	63.000 - 0.000	3	3	0.200 0.330	1.660		0.002
*										
Safety Line 3/8	B	No	Surface Ar (CaAa)	101.000 - 0.000	1	1	0.480 0.490	0.375		0.000
*										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
1266A(1/8")	C	No	No	Inside Pole	93.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
FSJ2-50(3/8")	C	No	No	Inside Pole	93.000 - 0.000	1	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
WR-VG86T(3/4")	C	No	No	Inside Pole	93.000 - 0.000	2	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
AL5-50(7/8)	C	No	No	Inside Pole	93.000 - 0.000	12	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
2" Rigid Conduit	C	No	No	Inside Pole	93.000 - 0.000	1	No Ice	0.000	0.003
							1/2" Ice	0.000	0.003
							1" Ice	0.000	0.003
							2" Ice	0.000	0.003
*									
HJ7-50A(1-5/8)	B	No	No	Inside Pole	86.000 - 0.000	6	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
HB158-1-08U8-S8J 18(1-5/8)	B	No	No	Inside Pole	86.000 - 0.000	2	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
*									

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	101.000-83.620	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.652	0.000	0.025
		C	0.000	0.000	0.000	0.000	0.067
L2	83.620-45.580	A	0.000	0.000	18.169	0.000	0.177
		B	0.000	0.000	1.427	0.000	0.345
		C	0.000	0.000	0.000	0.000	0.274
L3	45.580-0.000	A	0.000	0.000	47.540	0.000	0.464
		B	0.000	0.000	1.709	0.000	0.413
		C	0.000	0.000	0.000	0.000	0.328

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	101.000-83.620	A	1.883	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	7.198	0.000	0.115
		C		0.000	0.000	0.000	0.000	0.067
L2	83.620-45.580	A	1.815	0.000	0.000	39.115	0.000	0.677
		B		0.000	0.000	15.755	0.000	0.542
		C		0.000	0.000	0.000	0.000	0.274
L3	45.580-0.000	A	1.635	0.000	0.000	100.789	0.000	1.711
		B		0.000	0.000	18.255	0.000	0.634
		C		0.000	0.000	0.000	0.000	0.328

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	101.000-83.620	0.264	0.142	1.219	0.654
L2	83.620-45.580	-1.882	-2.495	-0.921	-1.795
L3	45.580-0.000	-3.381	-4.356	-2.314	-3.469

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	16	Safety Line 3/8	83.62 - 101.00	1.0000	1.0000
L2	13	LDF5-50A(7/8")	45.58 - 63.00	1.0000	1.0000
L2	14	HCS 6X12 4AWG(1-5/8)	45.58 - 63.00	1.0000	1.0000
L2	16	Safety Line 3/8	45.58 - 83.62	1.0000	1.0000
L3	13	LDF5-50A(7/8")	0.00 - 45.58	1.0000	1.0000
L3	14	HCS 6X12 4AWG(1-5/8)	0.00 - 45.58	1.0000	1.0000
L3	16	Safety Line 3/8	0.00 - 45.58	1.0000	1.0000

Discrete Tower Loads

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) 7770.00 w/ Mount Pipe	A	From Leg	4.000	0.000	93.000	No Ice	5.746	4.254	0.055

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Offsets: ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000					1/2" Ice	6.179	5.014	0.103
			2.000					1" Ice	6.607	5.711	0.157
								2" Ice	7.488	7.155	0.287
(2) 7770.00 w/ Mount Pipe	B	From Leg	4.000			0.000	93.000	No Ice	5.746	4.254	0.055
			0.000					1/2" Ice	6.179	5.014	0.103
			2.000					1" Ice	6.607	5.711	0.157
								2" Ice	7.488	7.155	0.287
(2) 7770.00 w/ Mount Pipe	C	From Leg	4.000			0.000	93.000	No Ice	5.746	4.254	0.055
			0.000					1/2" Ice	6.179	5.014	0.103
			2.000					1" Ice	6.607	5.711	0.157
								2" Ice	7.488	7.155	0.287
AM-X-CD-16-65-00T-RET w/ Mount Pipe	A	From Leg	4.000			0.000	93.000	No Ice	4.630	3.270	0.074
			0.000					1/2" Ice	5.060	3.690	0.133
			2.000					1" Ice	5.510	4.120	0.203
								2" Ice	6.430	5.000	0.376
P65-17-XLH-RR w/ Mount Pipe	B	From Leg	4.000			0.000	93.000	No Ice	7.480	5.290	0.095
			0.000					1/2" Ice	8.170	5.960	0.173
			2.000					1" Ice	8.880	6.640	0.264
								2" Ice	10.330	8.050	0.489
SBNH-1D6565C w/ Mount Pipe	C	From Leg	4.000			0.000	93.000	No Ice	5.560	4.470	0.085
			0.000					1/2" Ice	6.070	4.970	0.167
			2.000					1" Ice	6.590	5.470	0.262
								2" Ice	7.650	6.520	0.495
(4) LGP21401	A	From Leg	4.000			0.000	93.000	No Ice	1.104	0.207	0.014
			0.000					1/2" Ice	1.239	0.274	0.021
			1.000					1" Ice	1.381	0.348	0.030
								2" Ice	1.688	0.521	0.055
(4) LGP21401	B	From Leg	4.000			0.000	93.000	No Ice	1.104	0.207	0.014
			0.000					1/2" Ice	1.239	0.274	0.021
			1.000					1" Ice	1.381	0.348	0.030
								2" Ice	1.688	0.521	0.055
(4) LGP21401	C	From Leg	4.000			0.000	93.000	No Ice	1.104	0.207	0.014
			0.000					1/2" Ice	1.239	0.274	0.021
			1.000					1" Ice	1.381	0.348	0.030
								2" Ice	1.688	0.521	0.055
(2) RRUS 11	A	From Leg	4.000			0.000	93.000	No Ice	2.784	1.187	0.048
			0.000					1/2" Ice	2.992	1.334	0.068
			2.000					1" Ice	3.207	1.490	0.092
								2" Ice	3.658	1.833	0.150
(2) RRUS 11	B	From Leg	4.000			0.000	93.000	No Ice	2.784	1.187	0.048
			0.000					1/2" Ice	2.992	1.334	0.068
			2.000					1" Ice	3.207	1.490	0.092
								2" Ice	3.658	1.833	0.150
(2) RRUS 11	C	From Leg	4.000			0.000	93.000	No Ice	2.784	1.187	0.048
			0.000					1/2" Ice	2.992	1.334	0.068
			2.000					1" Ice	3.207	1.490	0.092
								2" Ice	3.658	1.833	0.150
DC6-48-60-18-8F	B	From Leg	2.000			0.000	93.000	No Ice	1.212	1.212	0.033
			0.000					1/2" Ice	1.892	1.892	0.055
			4.000					1" Ice	2.105	2.105	0.080
								2" Ice	2.570	2.570	0.138
3' x 2" Pipe Mount	B	From Leg	4.000			0.000	93.000	No Ice	0.000	0.583	0.011
			0.000					1/2" Ice	0.000	0.770	0.017
			2.000					1" Ice	0.000	0.967	0.024
								2" Ice	0.000	1.388	0.047
6' x 2" Mount Pipe	B	From Leg	1.000			0.000	93.000	No Ice	0.000	1.425	0.022
			0.000					1/2" Ice	0.000	1.925	0.033

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	0.000	2.294	0.048
						2" Ice	0.000	3.060	0.090
6' x 2" Mount Pipe	A	From Leg	4.000	0.000	93.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			1.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
6' x 2" Mount Pipe	B	From Leg	4.000	0.000	93.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			1.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
6' x 2" Mount Pipe	C	From Leg	4.000	0.000	93.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			1.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
(3) 6' x 2" Mount Pipe	A	From Leg	4.000	0.000	93.000	No Ice	0.000	1.425	0.022
			0.000			1/2" Ice	0.000	1.925	0.033
			1.000			1" Ice	0.000	2.294	0.048
						2" Ice	0.000	3.060	0.090
(3) 6' x 2" Mount Pipe	B	From Leg	4.000	0.000	93.000	No Ice	0.000	1.425	0.022
			0.000			1/2" Ice	0.000	1.925	0.033
			1.000			1" Ice	0.000	2.294	0.048
						2" Ice	0.000	3.060	0.090
(3) 6' x 2" Mount Pipe	C	From Leg	4.000	0.000	93.000	No Ice	0.000	1.425	0.022
			0.000			1/2" Ice	0.000	1.925	0.033
			1.000			1" Ice	0.000	2.294	0.048
						2" Ice	0.000	3.060	0.090
Platform Mount [LP 601-1]	C	None		0.000	93.000	No Ice	28.500	28.500	1.122
						1/2" Ice	31.690	31.690	1.676
						1" Ice	34.870	34.870	2.282
						2" Ice	41.230	41.230	3.653
Climbing Ladder (Flat)	A	From Leg	3.000	0.000	93.000	No Ice	5.844	5.844	0.048
			0.000			1/2" Ice	10.300	10.300	0.071
			-3.000			1" Ice	14.756	14.756	0.094
						2" Ice	23.668	23.668	0.140
*									
BXA-70080-4CF-2 w/ Mount Pipe	A	From Leg	4.000	0.000	86.000	No Ice	3.807	3.970	0.030
			0.000			1/2" Ice	4.171	4.578	0.068
			-1.000			1" Ice	4.543	5.195	0.112
						2" Ice	5.314	6.460	0.219
BXA-80063-4CF-EDIN-2 w/ Mount Pipe	B	From Leg	4.000	0.000	86.000	No Ice	4.945	3.693	0.028
			0.000			1/2" Ice	5.324	4.295	0.070
			-1.000			1" Ice	5.712	4.913	0.118
						2" Ice	6.514	6.181	0.235
BXA-70080-4CF-2 w/ Mount Pipe	C	From Leg	4.000	0.000	86.000	No Ice	3.807	3.970	0.030
			0.000			1/2" Ice	4.171	4.578	0.068
			-1.000			1" Ice	4.543	5.195	0.112
						2" Ice	5.314	6.460	0.219
RXXDC-3315-PF-48	A	From Leg	4.000	0.000	86.000	No Ice	3.708	2.192	0.032
			0.000			1/2" Ice	3.950	2.395	0.062
			-1.000			1" Ice	4.200	2.606	0.097
						2" Ice	4.723	3.049	0.176
RXXDC-3315-PF-48	C	From Leg	2.000	0.000	86.000	No Ice	3.708	2.192	0.032
			0.000			1/2" Ice	3.950	2.395	0.062
			-1.000			1" Ice	4.200	2.606	0.097
						2" Ice	4.723	3.049	0.176
(2) NHH-65B-R2B w/ Mount Pipe	A	From Leg	4.000	0.000	86.000	No Ice	4.090	3.290	0.069
			0.000			1/2" Ice	4.480	3.670	0.132

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
			-1.000			1" Ice	4.880	4.060	0.205
						2" Ice	5.700	4.860	0.385
(2) NHH-65B-R2B w/ Mount Pipe	B	From Leg	4.000	0.000	86.000	No Ice	4.090	3.290	0.069
			0.000			1/2" Ice	4.480	3.670	0.132
			-1.000			1" Ice	4.880	4.060	0.205
						2" Ice	5.700	4.860	0.385
(2) NHH-65B-R2B w/ Mount Pipe	C	From Leg	4.000	0.000	86.000	No Ice	4.090	3.290	0.069
			0.000			1/2" Ice	4.480	3.670	0.132
			-1.000			1" Ice	4.880	4.060	0.205
						2" Ice	5.700	4.860	0.385
Sub6 Antenna - VZS01 w/ Mount Pipe	A	From Leg	4.000	0.000	86.000	No Ice	4.915	2.687	0.101
			0.000			1/2" Ice	5.264	3.151	0.141
			-1.000			1" Ice	5.623	3.631	0.186
						2" Ice	6.371	4.639	0.294
Sub6 Antenna - VZS01 w/ Mount Pipe	B	From Leg	4.000	0.000	86.000	No Ice	4.915	2.687	0.101
			0.000			1/2" Ice	5.264	3.151	0.141
			-1.000			1" Ice	5.623	3.631	0.186
						2" Ice	6.371	4.639	0.294
Sub6 Antenna - VZS01 w/ Mount Pipe	C	From Leg	4.000	0.000	86.000	No Ice	4.915	2.687	0.101
			0.000			1/2" Ice	5.264	3.151	0.141
			-1.000			1" Ice	5.623	3.631	0.186
						2" Ice	6.371	4.639	0.294
RFV01U-D1A	A	From Leg	4.000	0.000	86.000	No Ice	1.875	1.250	0.084
			0.000			1/2" Ice	2.045	1.393	0.103
			-1.000			1" Ice	2.223	1.543	0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D1A	B	From Leg	4.000	0.000	86.000	No Ice	1.875	1.250	0.084
			0.000			1/2" Ice	2.045	1.393	0.103
			-1.000			1" Ice	2.223	1.543	0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D1A	C	From Leg	4.000	0.000	86.000	No Ice	1.875	1.250	0.084
			0.000			1/2" Ice	2.045	1.393	0.103
			-1.000			1" Ice	2.223	1.543	0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D2A	A	From Leg	4.000	0.000	86.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			-1.000			1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153
RFV01U-D2A	B	From Leg	4.000	0.000	86.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			-1.000			1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153
RFV01U-D2A	C	From Leg	4.000	0.000	86.000	No Ice	1.875	1.013	0.070
			0.000			1/2" Ice	2.045	1.145	0.087
			-1.000			1" Ice	2.223	1.284	0.106
						2" Ice	2.601	1.585	0.153
5' x 2' Pipe Mount	C	From Leg	1.000	0.000	86.000	No Ice	1.188	1.188	0.018
			0.000			1/2" Ice	1.496	1.496	0.027
			0.000			1" Ice	1.807	1.807	0.040
						2" Ice	2.458	2.458	0.076
Platform Mount [LP 601-1]	C	None		0.000	86.000	No Ice	28.500	28.500	1.122
						1/2" Ice	31.690	31.690	1.676
						1" Ice	34.870	34.870	2.282
						2" Ice	41.230	41.230	3.653
*									
APXV18-206516S-C-A20 w/ Mount Pipe	A	From Leg	4.000	0.000	63.000	No Ice	2.550	2.150	0.039
			0.000			1/2" Ice	2.960	2.550	0.068

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
			2.000				1" Ice	3.380	2.960	0.106
							2" Ice	4.260	3.830	0.207
APXV18-206516S-C-A20 w/ Mount Pipe	B	From Leg	4.000	0.000	0.000	63.000	No Ice	2.550	2.150	0.039
			0.000				1/2" Ice	2.960	2.550	0.068
			2.000				1" Ice	3.380	2.960	0.106
							2" Ice	4.260	3.830	0.207
APXV18-206516S-C-A20 w/ Mount Pipe	C	From Leg	4.000	0.000	0.000	63.000	No Ice	2.550	2.150	0.039
			0.000				1/2" Ice	2.960	2.550	0.068
			2.000				1" Ice	3.380	2.960	0.106
							2" Ice	4.260	3.830	0.207
(3) KRY 112 144/1	A	From Leg	4.000	0.000	0.000	63.000	No Ice	0.350	0.175	0.011
			0.000				1/2" Ice	0.426	0.234	0.014
			2.000				1" Ice	0.509	0.301	0.019
							2" Ice	0.698	0.456	0.032
(3) KRY 112 489/2	B	From Leg	4.000	0.000	0.000	63.000	No Ice	0.559	0.365	0.015
			0.000				1/2" Ice	0.658	0.448	0.020
			2.000				1" Ice	0.764	0.542	0.027
							2" Ice	0.998	0.752	0.046
AIR 32 B2A B66AA w/ Mount Pipe	A	From Leg	4.000	0.000	0.000	63.000	No Ice	3.760	3.150	0.194
			0.000				1/2" Ice	4.120	3.490	0.252
			2.000				1" Ice	4.480	3.840	0.320
							2" Ice	5.240	4.580	0.485
AIR 32 B2A B66AA w/ Mount Pipe	B	From Leg	4.000	0.000	0.000	63.000	No Ice	3.760	3.150	0.194
			0.000				1/2" Ice	4.120	3.490	0.252
			2.000				1" Ice	4.480	3.840	0.320
							2" Ice	5.240	4.580	0.485
AIR 32 B2A B66AA w/ Mount Pipe	C	From Leg	4.000	0.000	0.000	63.000	No Ice	3.760	3.150	0.194
			0.000				1/2" Ice	4.120	3.490	0.252
			2.000				1" Ice	4.480	3.840	0.320
							2" Ice	5.240	4.580	0.485
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.000	0.000	0.000	63.000	No Ice	14.690	6.870	0.186
			0.000				1/2" Ice	15.460	7.550	0.315
			2.000				1" Ice	16.230	8.250	0.458
							2" Ice	17.820	9.670	0.788
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.000	0.000	0.000	63.000	No Ice	14.690	6.870	0.186
			0.000				1/2" Ice	15.460	7.550	0.315
			2.000				1" Ice	16.230	8.250	0.458
							2" Ice	17.820	9.670	0.788
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.000	0.000	0.000	63.000	No Ice	14.690	6.870	0.186
			0.000				1/2" Ice	15.460	7.550	0.315
			2.000				1" Ice	16.230	8.250	0.458
							2" Ice	17.820	9.670	0.788
RADIO 4449 B12/B71	A	From Leg	4.000	0.000	0.000	63.000	No Ice	1.650	1.163	0.074
			0.000				1/2" Ice	1.810	1.301	0.090
			2.000				1" Ice	1.978	1.447	0.109
							2" Ice	2.336	1.762	0.155
RADIO 4449 B12/B71	B	From Leg	4.000	0.000	0.000	63.000	No Ice	1.650	1.163	0.074
			0.000				1/2" Ice	1.810	1.301	0.090
			2.000				1" Ice	1.978	1.447	0.109
							2" Ice	2.336	1.762	0.155
RADIO 4449 B12/B71	C	From Leg	4.000	0.000	0.000	63.000	No Ice	1.650	1.163	0.074
			0.000				1/2" Ice	1.810	1.301	0.090
			2.000				1" Ice	1.978	1.447	0.109
							2" Ice	2.336	1.762	0.155
6' x 2" Horizontal Mount Pipe	A	From Leg	2.000	0.000	0.000	63.000	No Ice	1.140	0.010	0.016
			0.000				1/2" Ice	1.760	0.040	0.025
			2.000				1" Ice	2.140	0.090	0.038

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice	2.900	0.210	0.077
6' x 2" Horizontal Mount Pipe	B	From Leg	2.000 0.000 2.000	0.000	63.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.140 1.760 2.140 2.900	0.010 0.040 0.090 0.210	0.016 0.025 0.038 0.077
6' x 2" Horizontal Mount Pipe	C	From Leg	2.000 0.000 2.000	0.000	63.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.140 1.760 2.140 2.900	0.010 0.040 0.090 0.210	0.016 0.025 0.038 0.077
6' x 2" Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	63.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
6' x 2" Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	63.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
6' x 2" Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	63.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
Platform Mount [LP 303-1_KCKR-HR-1]	C	None		0.000	63.000	No Ice 1/2" Ice 1" Ice 2" Ice	28.310 35.690 43.110 58.210	28.310 35.690 43.110 58.210	1.770 2.297 2.943 4.603
* ** *									

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

Comb. No.	Description
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	101 - 83.62	Pole	Max Tension	27	0.000	0.000	-0.001
			Max. Compression	26	-11.110	-0.666	-0.324
			Max. Mx	8	-3.100	-43.332	0.112
			Max. My	2	-3.095	-0.330	43.375
			Max. Vy	8	5.759	-43.332	0.112
			Max. Vx	2	-5.789	-0.330	43.375
			Max. Torque	11			0.700
L2	83.62 - 45.58	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-36.451	-0.330	0.869
			Max. Mx	8	-13.339	-496.212	0.965
			Max. My	2	-13.333	-0.811	497.960
			Max. Vy	20	-15.720	495.899	-0.353
			Max. Vx	2	-15.762	-0.811	497.960
			Max. Torque	23			-0.861
L3	45.58 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-49.592	1.643	2.340
			Max. Mx	20	-22.269	1342.591	-0.338
			Max. My	2	-22.269	-0.545	1346.382
			Max. Vy	20	-18.471	1342.591	-0.338
			Max. Vx	2	-18.510	-0.545	1346.382
			Max. Torque	23			-0.859

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	27	49.592	-0.007	4.962
	Max. H_x	21	16.719	18.443	-0.008
	Max. H_z	2	22.293	-0.008	18.482
	Max. M_x	2	1346.382	-0.008	18.482
	Max. M_z	8	1341.533	-18.443	0.008
	Max. Torsion	11	0.856	-15.968	-9.234
	Min. Vert	11	16.719	-15.968	-9.234
	Min. H_x	8	22.293	-18.443	0.008
	Min. H_z	14	22.293	0.008	-18.482
	Min. M_x	14	-1344.892	0.008	-18.482
	Min. M_z	20	-1342.591	18.443	-0.008
	Min. Torsion	23	-0.857	15.968	9.234

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	18.577	0.000	0.000	-0.596	0.436	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	22.293	0.008	-18.482	-1346.382	-0.545	0.260
0.9 Dead+1.0 Wind 0 deg - No Ice	16.719	0.008	-18.482	-1332.148	-0.664	0.262
1.2 Dead+1.0 Wind 30 deg - No Ice	22.293	9.228	-16.010	-1166.642	-671.428	-0.193
0.9 Dead+1.0 Wind 30 deg - No Ice	16.719	9.228	-16.010	-1154.279	-664.546	-0.191
1.2 Dead+1.0 Wind 60 deg - No Ice	22.293	16.113	-9.327	-676.302	-1165.390	-0.594
0.9 Dead+1.0 Wind 60 deg - No Ice	16.719	16.113	-9.327	-669.067	-1153.375	-0.592
1.2 Dead+1.0 Wind 90 deg - No Ice	22.293	18.443	-0.008	-1.815	-1341.533	-0.836
0.9 Dead+1.0 Wind 90 deg - No Ice	16.719	18.443	-0.008	-1.609	-1327.663	-0.836
1.2 Dead+1.0 Wind 120 deg - No Ice	22.293	15.968	9.234	671.158	-1161.191	-0.856
0.9 Dead+1.0 Wind 120 deg - No Ice	16.719	15.968	9.234	664.339	-1149.204	-0.856
1.2 Dead+1.0 Wind 150 deg - No Ice	22.293	9.214	16.002	1164.088	-669.563	-0.646
0.9 Dead+1.0 Wind 150 deg - No Ice	16.719	9.214	16.002	1152.123	-662.708	-0.647
1.2 Dead+1.0 Wind 180 deg - No Ice	22.293	-0.008	18.482	1344.892	1.608	-0.262
0.9 Dead+1.0 Wind 180 deg - No Ice	16.719	-0.008	18.482	1331.044	1.459	-0.264

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 210 deg - No Ice	22.293	-9.228	16.010	1165.154	672.484	0.192
0.9 Dead+1.0 Wind 210 deg - No Ice	16.719	-9.228	16.010	1153.176	665.336	0.190
1.2 Dead+1.0 Wind 240 deg - No Ice	22.293	-16.113	9.327	674.820	1166.443	0.596
0.9 Dead+1.0 Wind 240 deg - No Ice	16.719	-16.113	9.327	667.969	1154.163	0.594
1.2 Dead+1.0 Wind 270 deg - No Ice	22.293	-18.443	0.008	0.338	1342.591	0.839
0.9 Dead+1.0 Wind 270 deg - No Ice	16.719	-18.443	0.008	0.514	1328.452	0.838
1.2 Dead+1.0 Wind 300 deg - No Ice	22.293	-15.968	-9.234	-672.635	1162.255	0.856
0.9 Dead+1.0 Wind 300 deg - No Ice	16.719	-15.968	-9.234	-665.435	1150.001	0.857
1.2 Dead+1.0 Wind 330 deg - No Ice	22.293	-9.214	-16.002	-1165.572	670.630	0.644
0.9 Dead+1.0 Wind 330 deg - No Ice	16.719	-9.214	-16.002	-1153.224	663.507	0.645
1.2 Dead+1.0 Ice+1.0 Temp	49.592	-0.000	-0.000	-2.340	1.643	-0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	49.592	0.007	-4.962	-384.895	0.833	0.108
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	49.592	2.480	-4.301	-334.087	-189.530	-0.200
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	49.592	4.288	-2.487	-194.415	-328.653	-0.454
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	49.592	4.948	-0.007	-3.305	-379.258	-0.587
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	49.592	4.281	2.475	188.034	-327.787	-0.563
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	49.592	2.467	4.294	328.332	-188.032	-0.388
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	49.592	-0.007	4.962	379.999	2.558	-0.109
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	49.592	-2.480	4.301	329.193	192.915	0.199
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	49.592	-4.288	2.487	189.526	332.037	0.454
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	49.592	-4.948	0.007	-1.580	382.646	0.587
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	49.592	-4.281	-2.475	-192.920	331.180	0.563
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	49.592	-2.467	-4.294	-333.224	191.426	0.387
Dead+Wind 0 deg - Service	18.577	0.002	-4.012	-291.149	0.207	0.060
Dead+Wind 30 deg - Service	18.577	2.003	-3.475	-252.341	-144.639	-0.039
Dead+Wind 60 deg - Service	18.577	3.498	-2.025	-146.476	-251.289	-0.128
Dead+Wind 90 deg - Service	18.577	4.003	-0.002	-0.851	-289.316	-0.182
Dead+Wind 120 deg - Service	18.577	3.466	2.004	144.445	-250.380	-0.188
Dead+Wind 150 deg - Service	18.577	2.000	3.473	250.872	-144.237	-0.144
Dead+Wind 180 deg - Service	18.577	-0.002	4.012	289.911	0.671	-0.061
Dead+Wind 210 deg - Service	18.577	-2.003	3.475	251.103	145.518	0.039
Dead+Wind 240 deg - Service	18.577	-3.498	2.025	145.238	252.167	0.128
Dead+Wind 270 deg - Service	18.577	-4.003	0.002	-0.387	290.194	0.182
Dead+Wind 300 deg - Service	18.577	-3.466	-2.004	-145.683	251.259	0.188
Dead+Wind 330 deg - Service	18.577	-2.000	-3.473	-252.109	145.116	0.144

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.000	-18.577	0.000	0.000	18.577	0.000	0.000%
2	0.008	-22.293	-18.482	-0.008	22.293	18.482	0.000%
3	0.008	-16.719	-18.482	-0.008	16.719	18.482	0.000%
4	9.228	-22.293	-16.010	-9.228	22.293	16.010	0.000%
5	9.228	-16.719	-16.010	-9.228	16.719	16.010	0.000%
6	16.113	-22.293	-9.327	-16.113	22.293	9.327	0.000%
7	16.113	-16.719	-9.327	-16.113	16.719	9.327	0.000%
8	18.443	-22.293	-0.008	-18.443	22.293	0.008	0.000%
9	18.443	-16.719	-0.008	-18.443	16.719	0.008	0.000%
10	15.968	-22.293	9.234	-15.968	22.293	-9.234	0.000%
11	15.968	-16.719	9.234	-15.968	16.719	-9.234	0.000%
12	9.214	-22.293	16.002	-9.214	22.293	-16.002	0.000%
13	9.214	-16.719	16.002	-9.214	16.719	-16.002	0.000%
14	-0.008	-22.293	18.482	0.008	22.293	-18.482	0.000%
15	-0.008	-16.719	18.482	0.008	16.719	-18.482	0.000%
16	-9.228	-22.293	16.010	9.228	22.293	-16.010	0.000%
17	-9.228	-16.719	16.010	9.228	16.719	-16.010	0.000%
18	-16.113	-22.293	9.327	16.113	22.293	-9.327	0.000%
19	-16.113	-16.719	9.327	16.113	16.719	-9.327	0.000%
20	-18.443	-22.293	0.008	18.443	22.293	-0.008	0.000%
21	-18.443	-16.719	0.008	18.443	16.719	-0.008	0.000%
22	-15.968	-22.293	-9.234	15.968	22.293	9.234	0.000%
23	-15.968	-16.719	-9.234	15.968	16.719	9.234	0.000%
24	-9.214	-22.293	-16.002	9.214	22.293	16.002	0.000%
25	-9.214	-16.719	-16.002	9.214	16.719	16.002	0.000%
26	0.000	-49.592	0.000	0.000	49.592	0.000	0.000%
27	0.007	-49.592	-4.962	-0.007	49.592	4.962	0.000%
28	2.480	-49.592	-4.301	-2.480	49.592	4.301	0.000%
29	4.288	-49.592	-2.487	-4.288	49.592	2.487	0.000%
30	4.948	-49.592	-0.007	-4.948	49.592	0.007	0.000%
31	4.281	-49.592	2.475	-4.281	49.592	-2.475	0.000%
32	2.467	-49.592	4.294	-2.467	49.592	-4.294	0.000%
33	-0.007	-49.592	4.962	0.007	49.592	-4.962	0.000%
34	-2.480	-49.592	4.301	2.480	49.592	-4.301	0.000%
35	-4.288	-49.592	2.487	4.288	49.592	-2.487	0.000%
36	-4.948	-49.592	0.007	4.948	49.592	-0.007	0.000%
37	-4.281	-49.592	-2.475	4.281	49.592	2.475	0.000%
38	-2.467	-49.592	-4.294	2.467	49.592	4.294	0.000%
39	0.002	-18.577	-4.012	-0.002	18.577	4.012	0.000%
40	2.003	-18.577	-3.475	-2.003	18.577	3.475	0.000%
41	3.498	-18.577	-2.025	-3.498	18.577	2.025	0.000%
42	4.003	-18.577	-0.002	-4.003	18.577	0.002	0.000%
43	3.466	-18.577	2.004	-3.466	18.577	-2.004	0.000%
44	2.000	-18.577	3.473	-2.000	18.577	-3.473	0.000%
45	-0.002	-18.577	4.012	0.002	18.577	-4.012	0.000%
46	-2.003	-18.577	3.475	2.003	18.577	-3.475	0.000%
47	-3.498	-18.577	2.025	3.498	18.577	-2.025	0.000%
48	-4.003	-18.577	0.002	4.003	18.577	-0.002	0.000%
49	-3.466	-18.577	-2.004	3.466	18.577	2.004	0.000%
50	-2.000	-18.577	-3.473	2.000	18.577	3.473	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	0.00061675
3	Yes	4	0.00000001	0.00032036
4	Yes	5	0.00000001	0.00092019
5	Yes	5	0.00000001	0.00038442
6	Yes	5	0.00000001	0.00096489
7	Yes	5	0.00000001	0.00040536
8	Yes	5	0.00000001	0.00008152
9	Yes	5	0.00000001	0.00003644
10	Yes	5	0.00000001	0.00088374
11	Yes	5	0.00000001	0.00036828
12	Yes	5	0.00000001	0.00095897
13	Yes	5	0.00000001	0.00040388
14	Yes	4	0.00000001	0.00054111
15	Yes	4	0.00000001	0.00026371
16	Yes	5	0.00000001	0.00094198
17	Yes	5	0.00000001	0.00039503
18	Yes	5	0.00000001	0.00089864
19	Yes	5	0.00000001	0.00037459
20	Yes	5	0.00000001	0.00007653
21	Yes	4	0.00000001	0.00097353
22	Yes	5	0.00000001	0.00097292
23	Yes	5	0.00000001	0.00041026
24	Yes	5	0.00000001	0.00089663
25	Yes	5	0.00000001	0.00037385
26	Yes	4	0.00000001	0.00001516
27	Yes	5	0.00000001	0.00035749
28	Yes	5	0.00000001	0.00062027
29	Yes	5	0.00000001	0.00068985
30	Yes	5	0.00000001	0.00040654
31	Yes	5	0.00000001	0.00059730
32	Yes	5	0.00000001	0.00065831
33	Yes	5	0.00000001	0.00035275
34	Yes	5	0.00000001	0.00064638
35	Yes	5	0.00000001	0.00060388
36	Yes	5	0.00000001	0.00040518
37	Yes	5	0.00000001	0.00069545
38	Yes	5	0.00000001	0.00060752
39	Yes	4	0.00000001	0.00003456
40	Yes	4	0.00000001	0.00027085
41	Yes	4	0.00000001	0.00032087
42	Yes	4	0.00000001	0.00009890
43	Yes	4	0.00000001	0.00024403
44	Yes	4	0.00000001	0.00031733
45	Yes	4	0.00000001	0.00003329
46	Yes	4	0.00000001	0.00029053
47	Yes	4	0.00000001	0.00025185
48	Yes	4	0.00000001	0.00009761
49	Yes	4	0.00000001	0.00033567
50	Yes	4	0.00000001	0.00025182

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	101 - 83.62	15.360	39	1.282	0.005

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L2	86.37 - 45.58	11.455	39	1.247	0.004
L3	49.42 - 0	3.622	39	0.702	0.001

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
93.000	(2) 7770.00 w/ Mount Pipe	39	13.203	1.274	0.004	13728
86.000	BXA-70080-4CF-2 w/ Mount Pipe	39	11.359	1.245	0.004	7469
63.000	APXV18-206516S-C-A20 w/ Mount Pipe	39	5.999	0.943	0.002	3511

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	101 - 83.62	71.021	2	5.931	0.023
L2	86.37 - 45.58	52.982	2	5.771	0.018
L3	49.42 - 0	16.760	2	3.250	0.004

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
93.000	(2) 7770.00 w/ Mount Pipe	2	61.057	5.894	0.020	3061
86.000	BXA-70080-4CF-2 w/ Mount Pipe	2	52.539	5.760	0.018	1662
63.000	APXV18-206516S-C-A20 w/ Mount Pipe	2	27.757	4.365	0.009	767

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	101 - 83.62 (1)	TP17.41x13x0.188	17.380	0.000	0.0	9.834	-3.094	575.305	0.005
L2	83.62 - 45.58 (2)	TP26.56x16.337x0.25	40.790	0.000	0.0	20.113	-13.334	1176.630	0.011

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L3	45.58 - 0 (3)	TP37.5x25.098x0.313	49.420	0.000	0.0	36.885	-22.269	2157.790	0.010

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	101 - 83.62 (1)	TP17.41x13x0.188	43.543	247.417	0.176	0.000	247.417	0.000
L2	83.62 - 45.58 (2)	TP26.56x16.337x0.25	498.169	765.004	0.651	0.000	765.004	0.000
L3	45.58 - 0 (3)	TP37.5x25.098x0.313	1347.583	1968.725	0.684	0.000	1968.725	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	101 - 83.62 (1)	TP17.41x13x0.188	5.796	172.591	0.034	0.060	249.766	0.000
L2	83.62 - 45.58 (2)	TP26.56x16.337x0.25	15.759	352.989	0.045	0.193	783.571	0.000
L3	45.58 - 0 (3)	TP37.5x25.098x0.313	18.647	647.338	0.029	0.596	2108.183	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	101 - 83.62 (1)	0.005	0.176	0.000	0.034	0.000	0.183 ✔	1.050	4.8.2 ✔
L2	83.62 - 45.58 (2)	0.011	0.651	0.000	0.045	0.000	0.665 ✔	1.050	4.8.2 ✔
L3	45.58 - 0 (3)	0.010	0.684	0.000	0.029	0.000	0.696 ✔	1.050	4.8.2 ✔

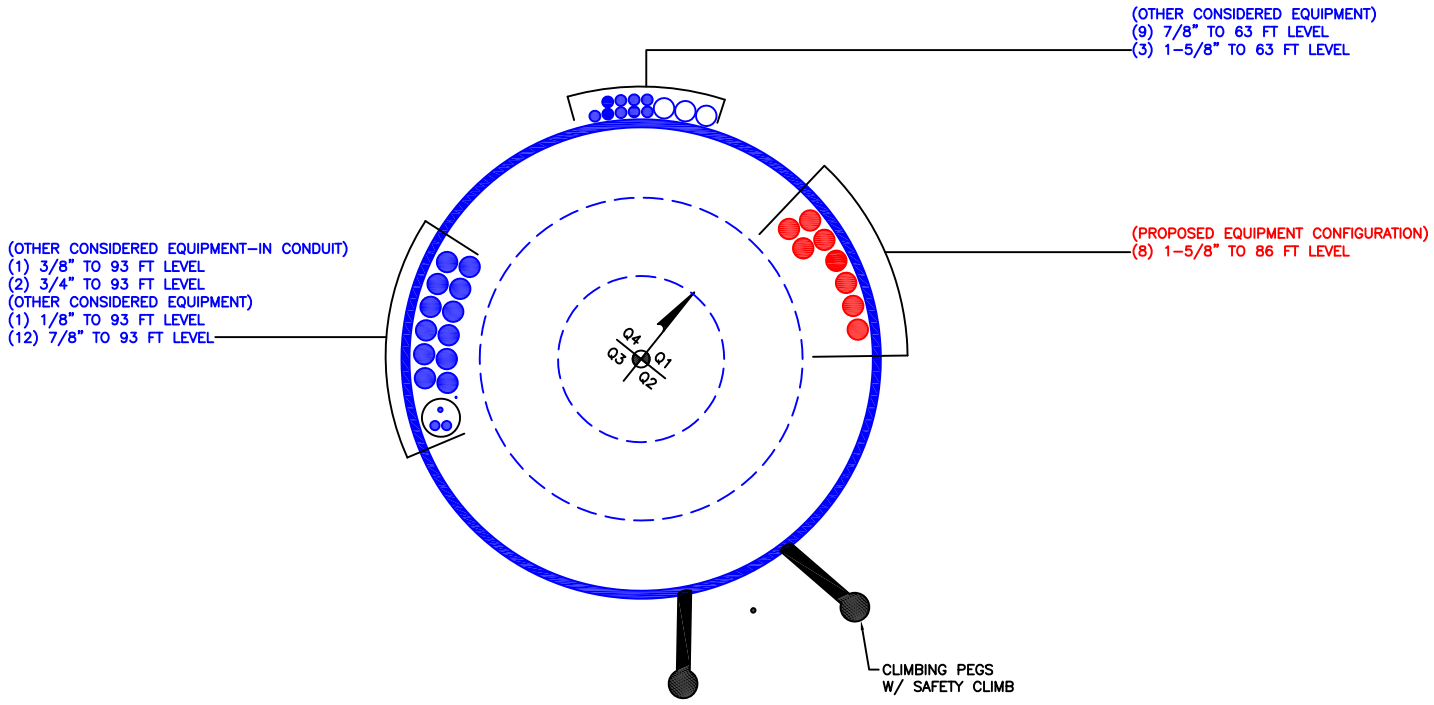
Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	101 - 83.62	Pole	TP17.41x13x0.188	1	-3.094	604.070	17.4	Pass
L2	83.62 - 45.58	Pole	TP26.56x16.337x0.25	2	-13.334	1235.461	63.3	Pass
L3	45.58 - 0	Pole	TP37.5x25.098x0.313	3	-22.269	2265.679	66.3	Pass
							Summary	
						Pole (L3)	66.3	Pass
						RATING =	**66.3**	**Pass**

Program Version 8.0.9.0

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 842876

APPENDIX C

ADDITIONAL CALCULATIONS

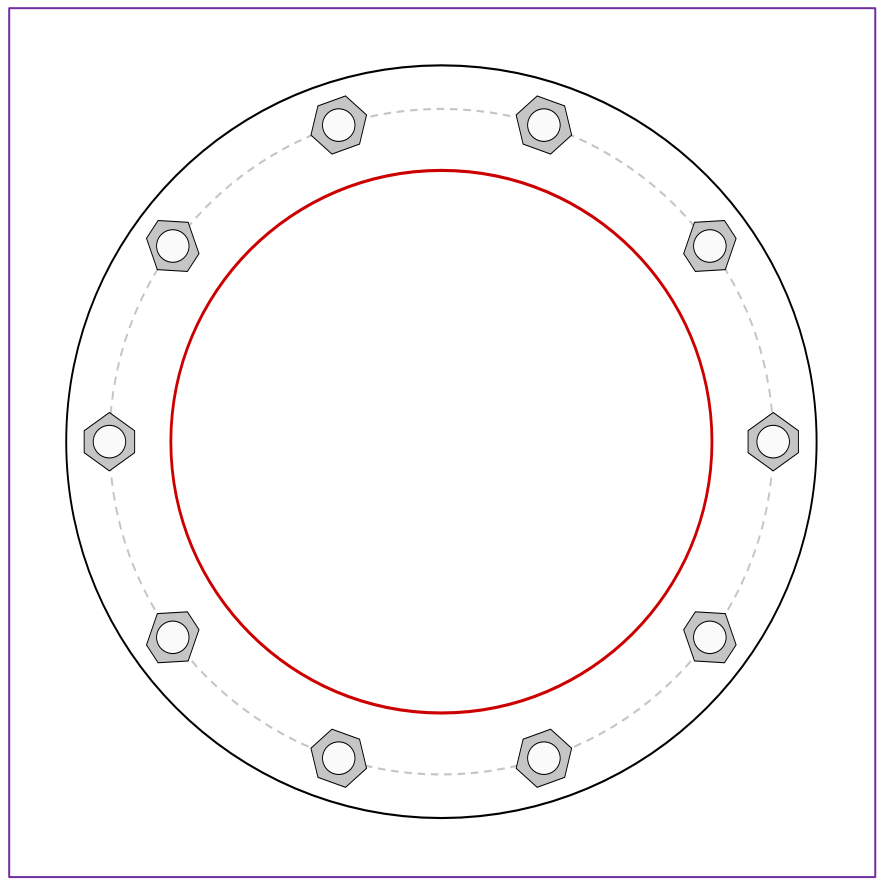
Monopole Base Plate Connection

Site Info	
BU #	842876
Site Name	WINDSOR LOCKS, CT
Order #	479845, Rev. 1

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	Yes
l_{ar} (in)	0

Applied Loads	
Moment (kip-ft)	1347.58
Axial Force (kips)	22.27
Shear Force (kips)	18.65

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(10) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 46" BC

Base Plate Data

52" OD x 1.5" Plate (A871-GR60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

N/A

Pole Data

37.5" x 0.3125" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

Pu_t = 138.25	ϕPn_t = 243.75	**Stress Rating**
Vu = 1.86	ϕVn = 149.1	**54.0%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	56.64	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**99.9%**	**Pass**

Drilled Pier Foundation

BU # :	842876
Site Name:	WINDSOR LOCKS, CT
Order Number:	568281, Rev# 0
TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads	Comp.	Uplift
Moment (kip-ft)	1348	
Axial Force (kips)	22	
Shear Force (kips)	19	

Material Properties		
Concrete Strength, f'c:	4	ksi
Rebar Strength, Fy:	60	ksi
Tie Yield Strength, Fyt:	60	ksi

Pier Design Data		
Depth	21	ft
Ext. Above Grade	1	ft
Pier Section 1		
From 1' above grade to 21' below grade		
Pier Diameter	6	ft
Rebar Quantity	15	
Rebar Size	11	
Rebar Cage Diameter	61	in
Tie Size	5	
Tie Spacing	12	in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Analysis Results		
Soil Lateral Check	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	6.48	-
Soil Safety Factor	3.98	-
Max Moment (kip-ft)	1464.00	-
Rating*	*31.8%*	-
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	248.81	-
End Bearing (kips)	1272.35	-
Weight of Concrete (kips)	111.97	-
Total Capacity (kips)	1521.16	-
Axial (kips)	133.97	-
Rating*	*8.4%*	-
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	6.25	-
Critical Moment (kip-ft)	1463.71	-
Critical Moment Capacity	3234.98	-
Rating*	*43.1%*	-
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	16.35	-
Critical Shear (kip)	205.40	-
Critical Shear Capacity	548.35	-
Rating*	*35.7%*	-

Soil Interaction Rating*	**31.8%**
Structural Foundation Rating*	**43.1%**

*Rating per TIA-222-H Section 15.5

Check Limitation	
Apply TIA-222-H Section 15.5:	☑
N/A	☐
Shear Design Options	
Check Shear along Depth of Pier:	☑
Utilize Shear-Friction Methodology:	☐
Override Critical Depth:	☐

Go to Soil Calculations

Soil Profile

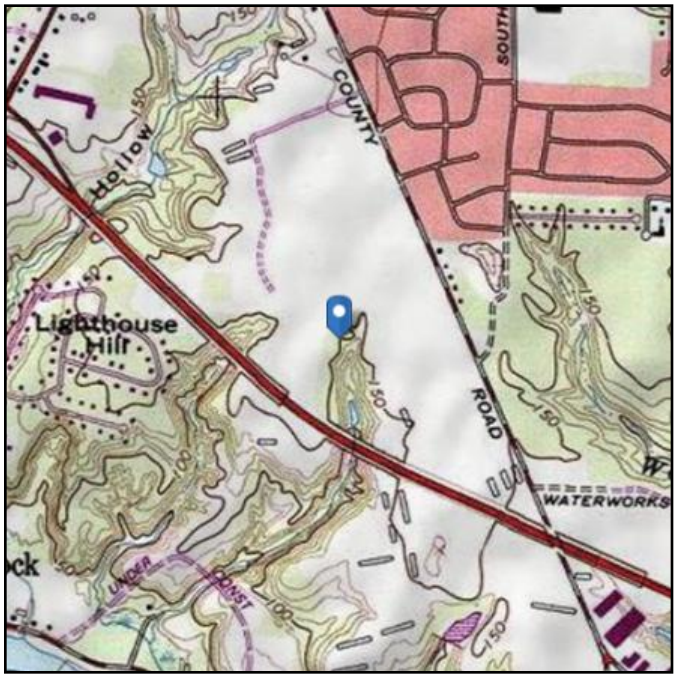
Groundwater Depth	30	# of Layers	4

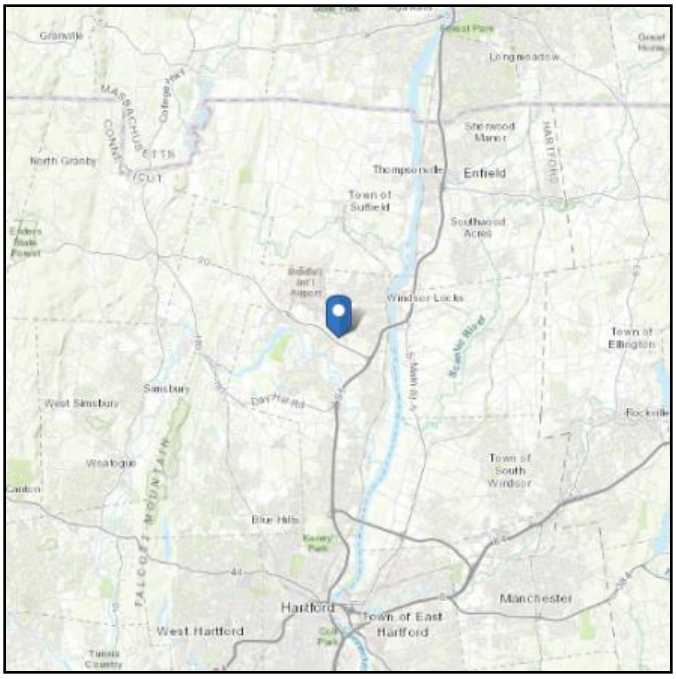
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3.33	3.33	125	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3.33	5	1.67	125	150	0	34	0.000	0.000	0.00	0.00			Cohesionless
3	5	15	10	125	150	0	34	0.000	0.000	0.80	0.80			Cohesionless
4	15	21	6	125	150	0	34	0.000	0.000	1.60	1.60	60		Cohesionless

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-10	**Elevation:**	148.38 ft (NAVD 88)
Risk Category:	II	**Latitude:**	41.910244
Soil Class:	D - Stiff Soil	**Longitude:**	-72.661786





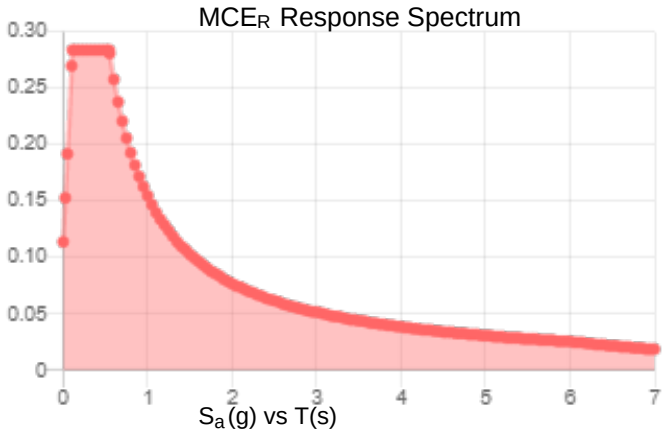
Seismic

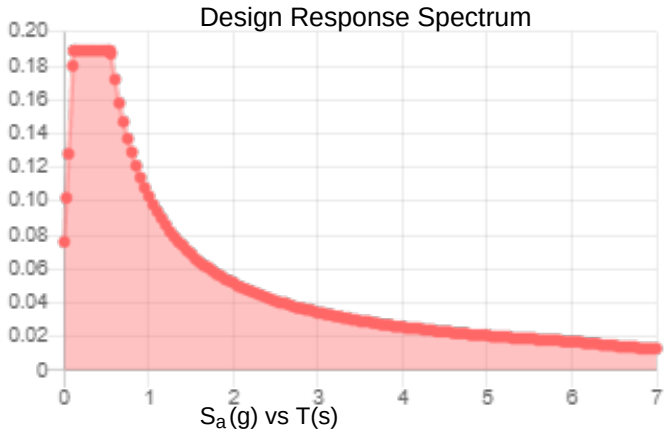
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.177	S_{DS} :	0.189
S_1 :	0.064	S_{D1} :	0.103
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.088
S_{MS} :	0.284	PGA_M :	0.141
S_{M1} :	0.155	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Mon May 10 2021

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

Ice

Results:

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

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

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

Exhibit E

Mount Analysis

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

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10061286
Maser Consulting Connecticut Project #: 21777829A

July 2, 2021

Site Information	*Site ID:*	*467751-VZW / WINDSOR LOCKS 2 CT*
	Site Name:	*WINDSOR LOCKS 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*1000 Old County Circle Rd* *Windsor, Connecticut 06095* *Hartford County*
	Latitude:	*41.910097°*
	Longitude:	*-72.661758°*
Structure Information	*Tower Type:*	*95-ft Monopole*
	Mount Type:	*12.00-ft Platform*

FUZE ID # 16244670

Analysis Results

Platform: **73.21% Pass**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings

Report Prepared By: Erin Towler

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 675104, dated October 19, 2020*
Mount Mapping Report	*Hudson Design Group, LLC, Site ID: 467751, dated April 28, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	116 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.995
Seismic Parameters:	S_S:	0.176
	S_1:	0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
85.00	85.00	3	Samsung	MT6407-77A	Added
		6	Commscope	NHH-65B-R2B	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	DB-B1-6C-12AB-0Z	
		2	Amphenol	BXA-70080-4BF-EDIN-0	Retained
		1	Antel	BXA-80063/4CF	
		1	Raycap	RRFDC-3315-PF-48	

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

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 by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	68.1 %	Pass
Cross Brace	55.6 %	Pass
Standoff Horizontal	31.9 %	Pass
Corner Plate	1.7 %	Pass
Ladder Rail	27.3 %	Pass
Ladder Rung	11.3 %	Pass
Mount Pipe	49.5 %	Pass
Platform Plate	73.21 %	Pass
Mount Connection	46.5 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**73.21%**

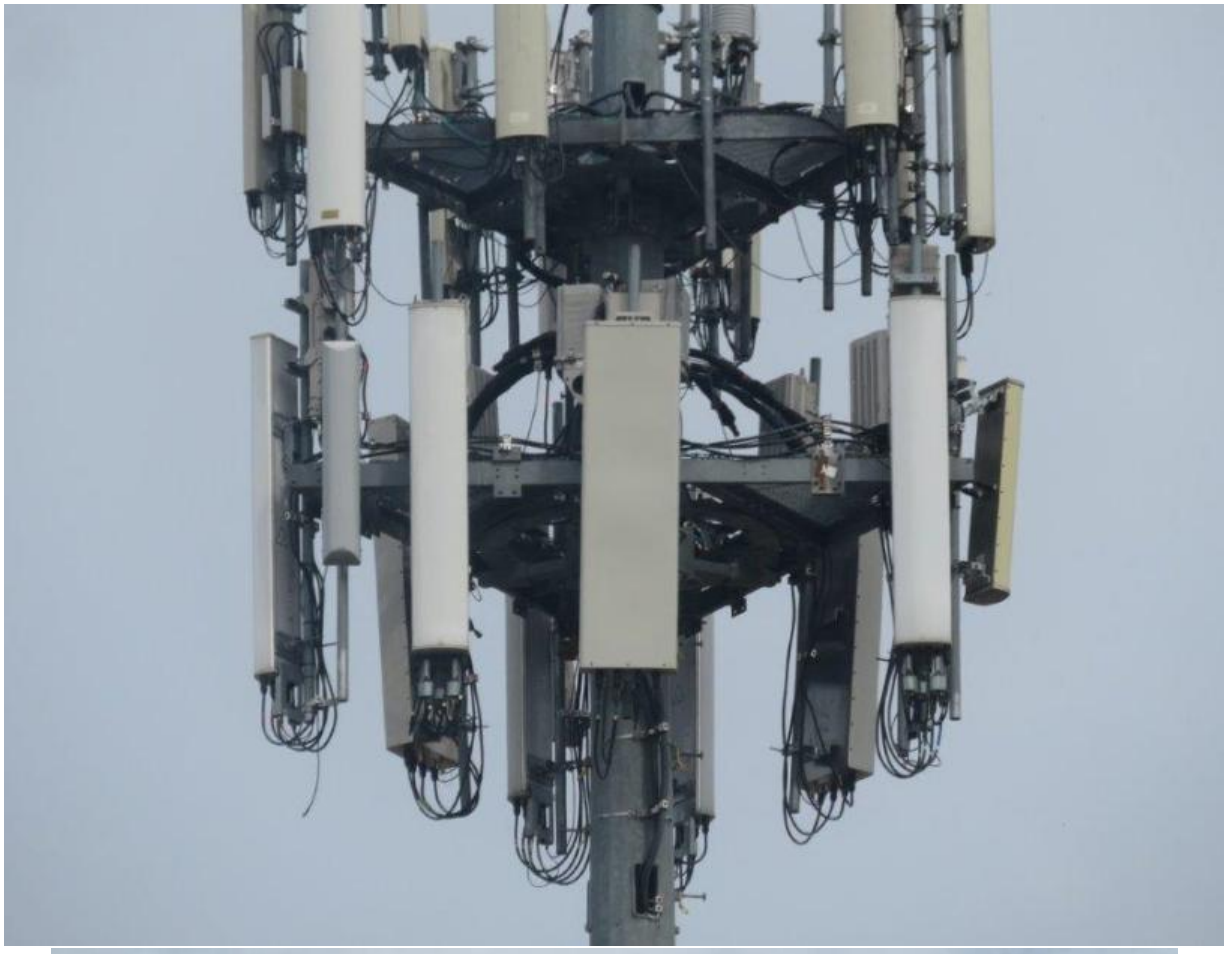
Recommendation:

The existing mount is **SUFFICIENT** for the final loading configuration and does not require modifications.

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

Attachments:

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



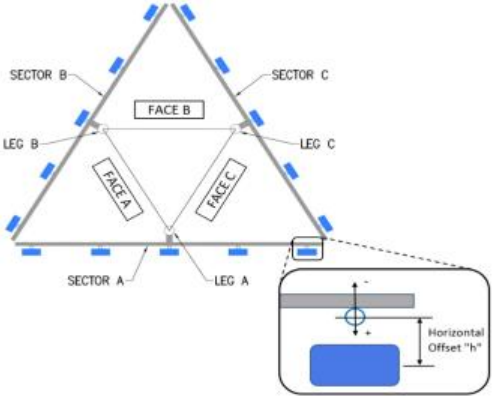
V4.0 Updated on 3-31-2021

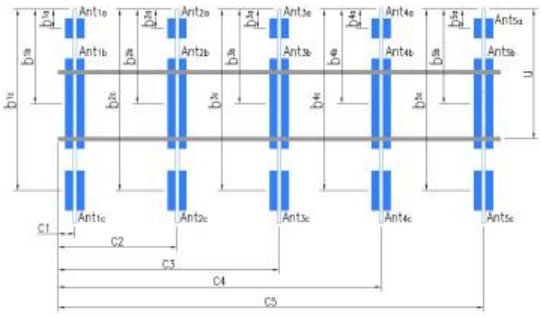
Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1215199

Tower Owner:	OTHER	**Mapping Date:**	4/28/2021
Site Name:	WINDSOR LOCKS 2 CT	**Tower Type:**	Monopole
Site Number or ID:	467751	**Tower Height (Ft.):**	95
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	86.33

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





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE X 102" LONG	48.00	12.00	C1	2" STD. PIPE X 102" LONG	48.00	12.00
A2	2" STD. PIPE X 102" LONG	48.00	72.00	C2	2" STD. PIPE X 102" LONG	48.00	72.00
A3	2" STD. PIPE X 102" LONG	48.00	117.00	C3	2" STD. PIPE X 102" LONG	48.00	117.00
A4	2" STD. PIPE X 102" LONG	48.00	133.00	C4	2" STD. PIPE X 102" LONG	48.00	133.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 102" LONG	48.00	12.00	D1			
B2	2" STD. PIPE X 102" LONG	48.00	72.00	D2			
B3	2" STD. PIPE X 102" LONG	48.00	117.00	D3			
B4	2" STD. PIPE X 102" LONG	48.00	133.00	D4			
B5				D5			
B6				D6			

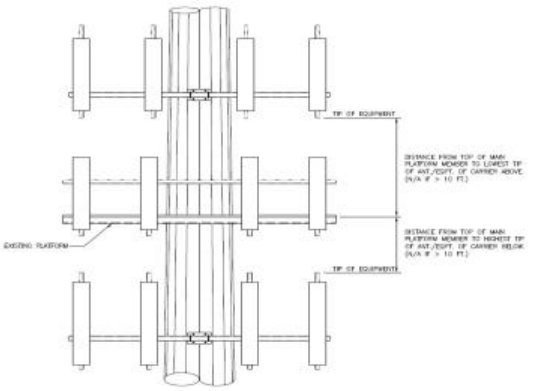
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	8.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	4
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	
Tower Face Width at Mount Elev. (ft.):	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.): 22
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.	

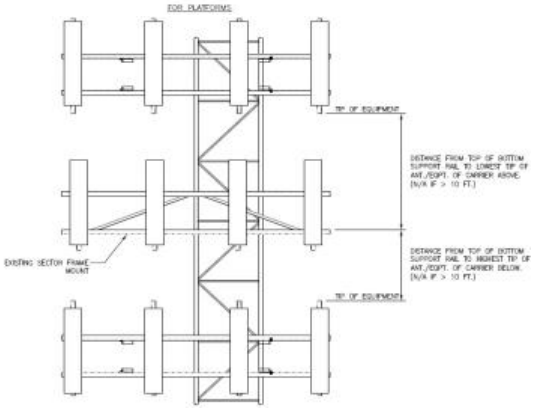
	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}	B4 RRH 2X60-4R	11.00	5.50	36.00		88.08	19.00	-7.00		30,34
Ant_{1b}	HBXX-6517DS-A2M	12.00	6.50	75.00		85.2467	53.00	8.00	30.00	5,34
Ant_{1c}										
Ant_{2a}	B13 RRH 4X30	12.00	7.50	20.50		88.4967	14.00	-7.00		31,35
Ant_{2b}	QUAD656C0000L	20.50	7.50	74.00		84.9133	57.00	10.00	30.00	6,35
Ant_{2c}										
Ant_{3a}	B25 RRH 4X30	12.00	7.00	20.50		87.9967	20.00	-7.00		32,36
Ant_{3b}	HBXX-6517DS-A2M	12.00	6.50	75.00		85.2467	53.00	8.00	30.00	5,36
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-700804CF	8.00	6.00	46.50		85.4133	51.00	13.00	30.00	37,54
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	30.00	Deg	Leg A:		Deg
Sector B:	150.00	Deg	Leg B:		Deg
Sector C:	270.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

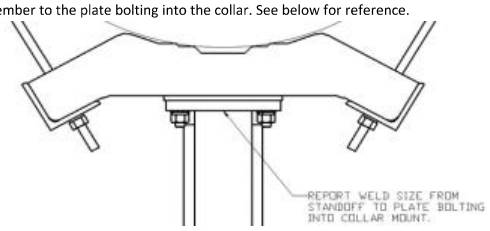
Climbing Facility Information			
Location:	130.00	Deg	N/A
Climbing Facility	Corrosion Type:		N/A
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.

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}	B4 RRH 2X60-4R	11.00	5.50	36.00		88.08	19.00	-7.00		30,38
Ant_{1b}	HBXX-6517DS-A2M	12.00	6.50	75.00		85.2467	53.00	8.00	150.00	5,38
Ant_{1c}										
Ant_{2a}	B13 RRH 4X30	12.00	7.50	20.50		88.4967	14.00	-7.00		31,39
Ant_{2b}	QUAD656C0000L	20.50	7.50	74.00		84.9133	57.00	10.00	150.00	6,39
Ant_{2c}										
Ant_{3a}	B25 RRH 4X30	12.00	7.00	20.50		87.9967	20.00	-7.00		32,40
Ant_{3b}	HBXX-6517DS-A2M	12.00	6.50	75.00		85.2467	53.00	8.00	150.00	5,40
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	26900500	11.50	6.00	47.50		85.4133	51.00	13.00	150.00	41,54
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	B4 RRH 2X60-4R	11.00	5.50	36.00		88.08	19.00	-7.00		30,42
Ant_{1b}	HBXX-6517DS-A2M	12.00	6.50	75.00		85.2467	53.00	8.00	270.00	5,42
Ant_{1c}										
Ant_{2a}	B13 RRH 4X30	12.00	7.50	20.50		88.4967	14.00	-7.00		31,43
Ant_{2b}	QUAD656C0000L	20.50	7.50	74.00		84.9133	57.00	10.00	270.00	6,43
Ant_{2c}										
Ant_{3a}	B25 RRH 4X30	12.00	7.00	20.50		87.9967	20.00	-7.00		32,51
Ant_{3b}	HBXX-6517DS-A2M	12.00	6.50	75.00		85.2467	53.00	8.00	270.00	5,51
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-700804CF	8.00	6.00	46.50		85.4133	51.00	13.00	270.00	52,54
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	(2) RRFDC-3315-PF-48	15.00	10.00	28.00						44-49,55
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 # 1215199

Tower Owner:	OTHER	**Mapping Date:**	4/28/2021
Site Name:	WINDSOR LOCKS 2 CT	**Tower Type:**	Monopole
Site Number or ID:	467751	**Tower Height (Ft.):**	95
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	86.33

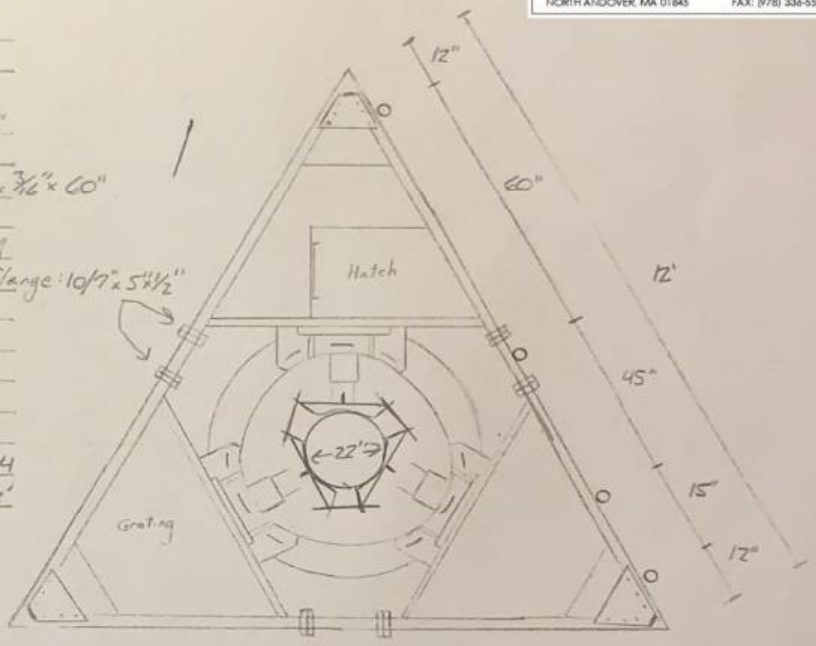
Please Insert Sketches of the Antenna Mount

DATE: 4-28-21
Project Name: Windsor Locks 2 CT
Project No.:
Design By: Josh Chk'd By: _____ Page ____ of ____

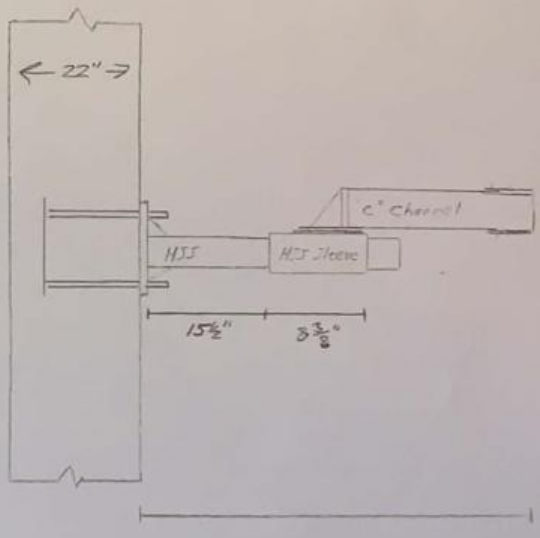
HUDSON Design Group LLC
45 BEECHWOOD DRIVE
NORTH ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

Mount: 86'4"
~~Antenna~~

Ant. Pipes: $2\frac{7}{8}$" x $\frac{1}{8}$" x 8'6"
Wetted Plate: N/A
Face C" channel: 5 x $1\frac{3}{8}$" x $\frac{3}{16}$" x 60"
Face Angle: N/A
Face Supporting Angle: N/A
Face C" Channel Wetted Flange: $10\frac{1}{2}$" x $5\frac{1}{2}$"
Ring Mount: 1" x 6"
H.S.S.: 3" x 3" x $\frac{5}{16}$" x 27"
Collar: 12" x $\frac{1}{2}$"
TR: (2) 1"
Pole: 22"
Pole to edge of face: 34
Apex Plate: $13\frac{1}{2}$" x $15\frac{1}{2}$" x $\frac{3}{8}$"



Angle Plate: See p/c 22



#1 + #3
HBXX-6517DS-A2M
-B4 RRH 2x60-4R

#2
Quad 6626C0000L
-B13 RRH 4x30

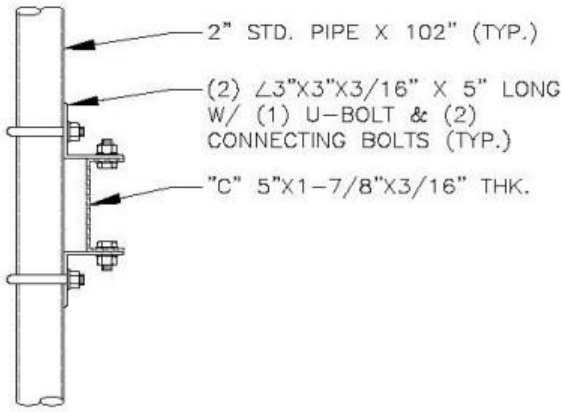
#4
BXA-70080ECF

Beta #4: 26900500

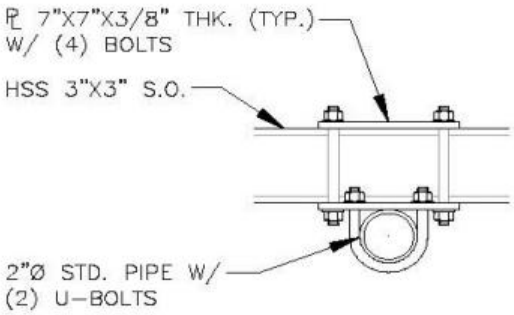
#3 - B25 RRH 4x30

(2) OVP on HSS

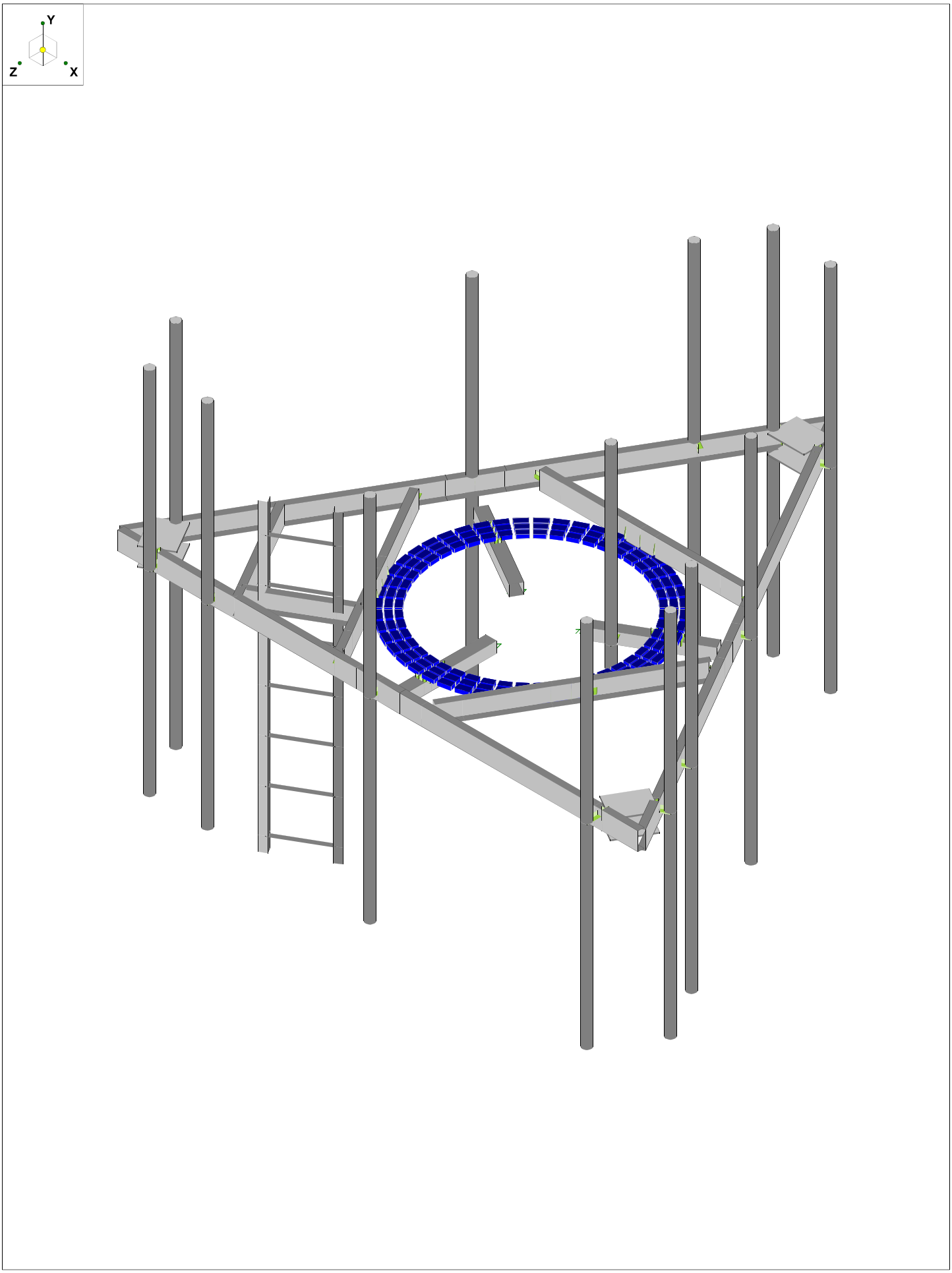
Please Insert Sketches of the Antenna Mount, cont'd

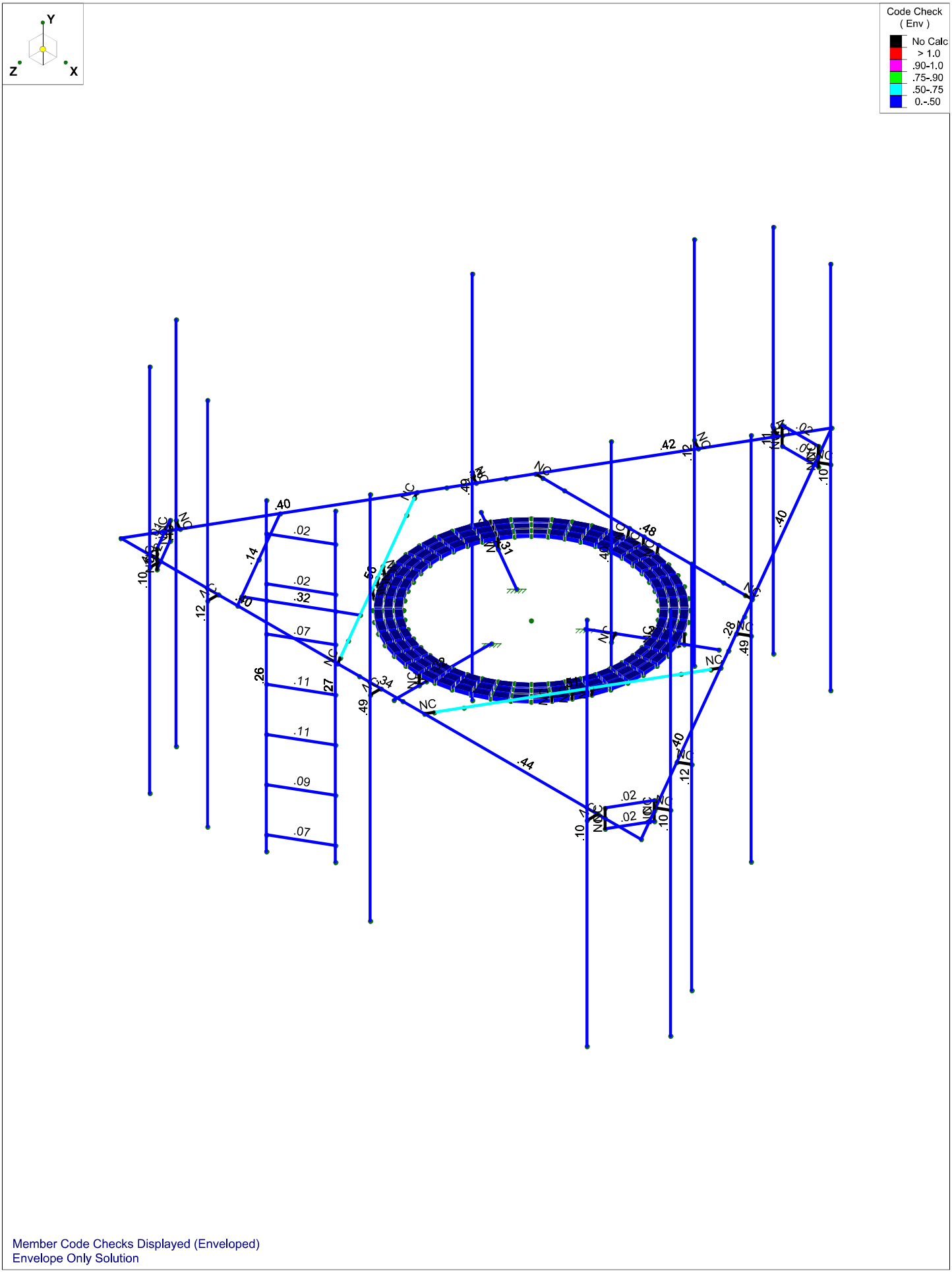


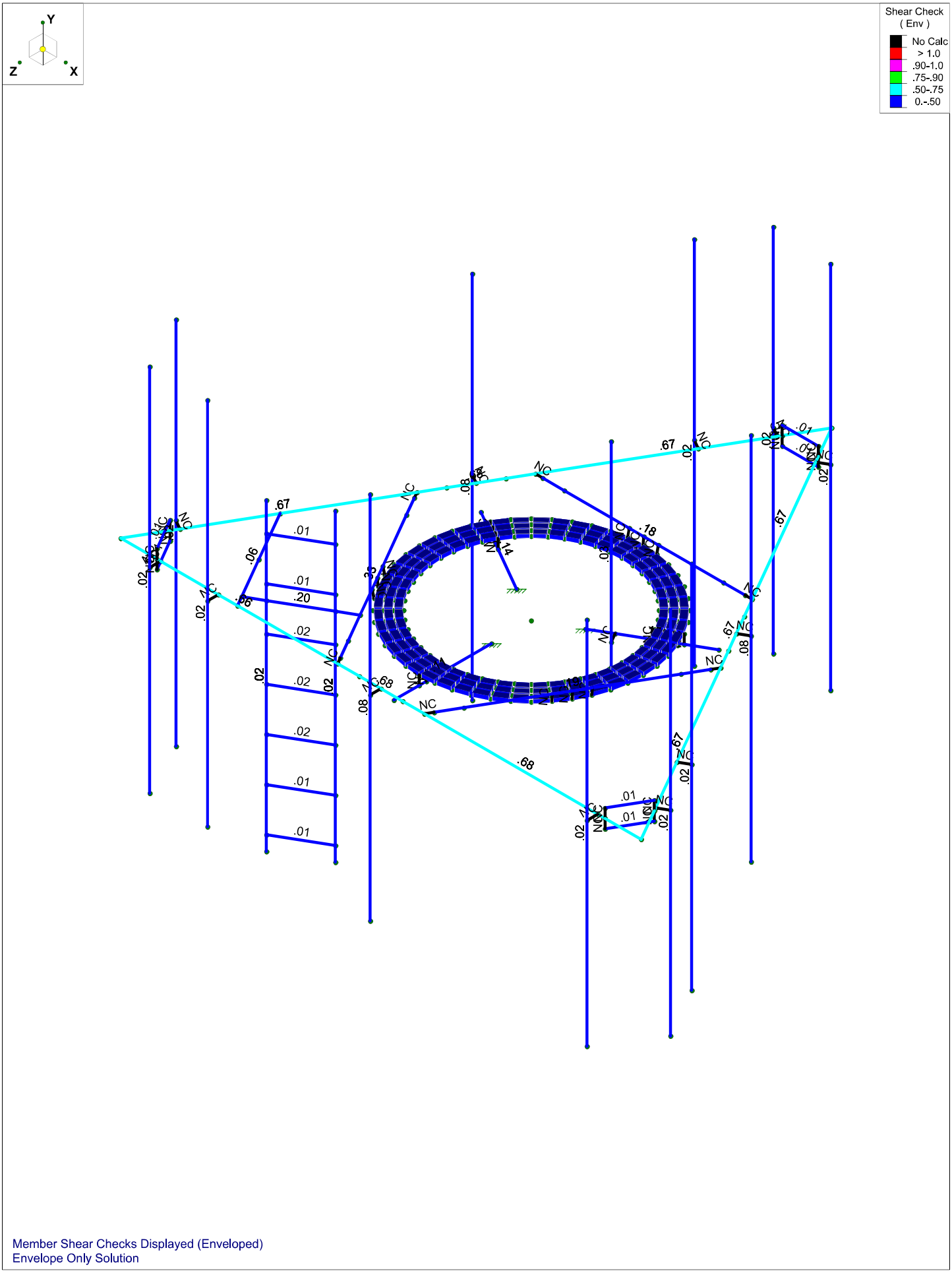
CROSSOVER PLATE DETAIL



S.O. MOUNT DETAIL


Y
Z
X


Y
Z
X
Code Check
(Env)
No Calc
> 1.0
.90-1.0
.75-.90
.50-.75
0.-.50
Member Code Checks Displayed (Enveloped)
Envelope Only Solution


Y
Z
X
Shear Check
(Env)
No Calc
> 1.0
.90-1.0
.75-.90
.50-.75
0.-.50
Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(...
1	Antenna D	None					96			
2	Antenna Di	None					96			
3	Antenna Wo (0 Deg)	None					96			
4	Antenna Wo (30 Deg)	None					96			
5	Antenna Wo (60 Deg)	None					96			
6	Antenna Wo (90 Deg)	None					96			
7	Antenna Wo (120 Deg)	None					96			
8	Antenna Wo (150 Deg)	None					96			
9	Antenna Wo (180 Deg)	None					96			
10	Antenna Wo (210 Deg)	None					96			
11	Antenna Wo (240 Deg)	None					96			
12	Antenna Wo (270 Deg)	None					96			
13	Antenna Wo (300 Deg)	None					96			
14	Antenna Wo (330 Deg)	None					96			
15	Antenna Wi (0 Deg)	None					96			
16	Antenna Wi (30 Deg)	None					96			
17	Antenna Wi (60 Deg)	None					96			
18	Antenna Wi (90 Deg)	None					96			
19	Antenna Wi (120 Deg)	None					96			
20	Antenna Wi (150 Deg)	None					96			
21	Antenna Wi (180 Deg)	None					96			
22	Antenna Wi (210 Deg)	None					96			
23	Antenna Wi (240 Deg)	None					96			
24	Antenna Wi (270 Deg)	None					96			
25	Antenna Wi (300 Deg)	None					96			
26	Antenna Wi (330 Deg)	None					96			
27	Antenna Wm (0 Deg)	None					96			
28	Antenna Wm (30 Deg)	None					96			
29	Antenna Wm (60 Deg)	None					96			
30	Antenna Wm (90 Deg)	None					96			
31	Antenna Wm (120 Deg)	None					96			
32	Antenna Wm (150 Deg)	None					96			
33	Antenna Wm (180 Deg)	None					96			
34	Antenna Wm (210 Deg)	None					96			
35	Antenna Wm (240 Deg)	None					96			
36	Antenna Wm (270 Deg)	None					96			
37	Antenna Wm (300 Deg)	None					96			
38	Antenna Wm (330 Deg)	None					96			
39	Structure D	None		-1					8	
40	Structure Di	None						45	8	
41	Structure Wo (0 Deg)	None						90		
42	Structure Wo (30 Deg)	None						90		
43	Structure Wo (60 Deg)	None						90		
44	Structure Wo (90 Deg)	None						90		
45	Structure Wo (120 Deg)	None						90		
46	Structure Wo (150 Deg)	None						90		
47	Structure Wo (180 Deg)	None						90		
48	Structure Wo (210 Deg)	None						90		
49	Structure Wo (240 Deg)	None						90		
50	Structure Wo (270 Deg)	None						90		
51	Structure Wo (300 Deg)	None						90		
52	Structure Wo (330 Deg)	None						90		
53	Structure Wi (0 Deg)	None						90		
54	Structure Wi (30 Deg)	None						90		
55	Structure Wi (60 Deg)	None						90		
56	Structure Wi (90 Deg)	None						90		
57	Structure Wi (120 Deg)	None						90		
58	Structure Wi (150 Deg)	None						90		
59	Structure Wi (180 Deg)	None						90		
60	Structure Wi (210 Deg)	None						90		
61	Structure Wi (240 Deg)	None						90		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(...
62	Structure Wi (270 Deg)	None						90		
63	Structure Wi (300 Deg)	None						90		
64	Structure Wi (330 Deg)	None						90		
65	Structure Wm (0 Deg)	None						90		
66	Structure Wm (30 Deg)	None						90		
67	Structure Wm (60 Deg)	None						90		
68	Structure Wm (90 Deg)	None						90		
69	Structure Wm (120 Deg)	None						90		
70	Structure Wm (150 Deg)	None						90		
71	Structure Wm (180 Deg)	None						90		
72	Structure Wm (210 Deg)	None						90		
73	Structure Wm (240 Deg)	None						90		
74	Structure Wm (270 Deg)	None						90		
75	Structure Wm (300 Deg)	None						90		
76	Structure Wm (330 Deg)	None						90		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Area Loads	None						93		
82	BLC 40 Transient Area Loads	None						93		

Load Combinations

	Description	S...	PDe...	SRSS	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1														
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1.0Wi (0 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0Wi (30 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0Wi (60 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0Wi (90 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1.0Wi (120 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0Wi (150 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi (180 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										
25	1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1												
26	1.2D + 1.5Lm1 + 1.0Wm (30 D...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1												
27	1.2D + 1.5Lm1 + 1.0Wm (60 D...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1												
28	1.2D + 1.5Lm1 + 1.0Wm (90 D...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1												
29	1.2D + 1.5Lm1 + 1.0Wm (120 ...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1												
30	1.2D + 1.5Lm1 + 1.0Wm (150 ...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1												
31	1.2D + 1.5Lm1 + 1.0Wm (180 ...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1												
32	1.2D + 1.5Lm1 + 1.0Wm (210 ...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1												
33	1.2D + 1.5Lm1 + 1.0Wm (240 ...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1												
34	1.2D + 1.5Lm1 + 1.0Wm (270 ...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1												
35	1.2D + 1.5Lm1 + 1.0Wm (300 ...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1												
36	1.2D + 1.5Lm1 + 1.0Wm (330 ...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1												

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Di...
1	N1	0	0	0	0	
2	N2	0.793857	0	-0.458333	0	
3	N3	-0.793857	0	-0.458333	0	
4	N4	0.	0	0.916667	0	
5	N5	0.	.375	-6.928203	0	
6	N6	6.	.375	3.464102	0	
7	N7	2.5	.375	-2.598076	0	
8	N8	3.5	.375	-0.866025	0	
9	N9	-6.	.375	3.464102	0	
10	N10	-3.5	.375	-0.866025	0	
11	N11	-2.5	.375	-2.598076	0	
12	N12	1	.375	3.464102	0	
13	N13	-1.	.375	3.464102	0	
14	N14	-1.083333	.375	3.319764	0	
15	N15	-3.416667	.375	-0.721688	0	
16	N16	3.416667	.375	-0.721688	0	
17	N17	1.083333	.375	3.319764	0	
18	N18	-2.333333	.375	-2.598076	0	
19	N19	2.333333	.375	-2.598076	0	
20	N20	-5.583333	0.583333	2.742414	0	
21	N21	-5.166667	0.583333	3.464102	0	
22	N22	-5.583333	.375	2.742414	0	
23	N23	-5.166667	.375	3.464102	0	
24	N24	-5.583333	0.166667	2.742414	0	
25	N25	-5.166667	0.166667	3.464102	0	
26	N26	5.166667	0.583333	3.464102	0	
27	N27	5.583333	0.583333	2.742414	0	
28	N28	5.166667	.375	3.464102	0	
29	N29	5.583333	.375	2.742414	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Di...
30	N30	5.166667	0.166667	3.464102	0	
31	N31	5.583333	0.166667	2.742414	0	
32	N32	0.416667	0.583333	-6.206515	0	
33	N33	-0.416667	0.583333	-6.206515	0	
34	N34	0.416667	.375	-6.206515	0	
35	N35	-0.416667	.375	-6.206515	0	
36	N36	0.416667	0.166667	-6.206515	0	
37	N37	-0.416667	0.166667	-6.206515	0	
38	N38	-3.440384	.375	3.237232	0	
39	N39	-4.654701	.375	1.133975	0	
40	N40	-3.309401	.375	3.464102	0	
41	N41	-2.069177	2.375	2.445566	0	
42	N42	-2.069177	-4.625	2.445566	0	
43	N43	-3.07954	2.375	3.028899	0	
44	N44	-3.07954	-4.625	3.028899	0	
45	N45	-2.069177	.375	2.445566	0	
46	N46	-3.07954	.375	3.028899	0	
47	N47	-2.069177	1.708333	2.445566	0	
48	N48	-3.07954	1.708333	3.028899	0	
49	N49	-2.069177	-3.291667	2.445566	0	
50	N50	-3.07954	-3.291667	3.028899	0	
51	N51	-2.069177	-2.291667	2.445566	0	
52	N52	-3.07954	-2.291667	3.028899	0	
53	N53	-2.069177	-1.291667	2.445566	0	
54	N54	-3.07954	-1.291667	3.028899	0	
55	N55	-2.069177	-0.291667	2.445566	0	
56	N56	-3.07954	-0.291667	3.028899	0	
57	N57	-2.069177	0.708333	2.445566	0	
58	N58	-3.07954	0.708333	3.028899	0	
59	N59	-2.069177	-4.291667	2.445566	0	
60	N60	-3.07954	-4.291667	3.028899	0	
61	N61	0	0	3.166667	0	
62	N62	3.25	.375	-1.299038	0	
63	N63	-2.75	.375	-2.165064	0	
64	N64	-0.5	.375	3.464102	0	
65	N65	2.75	.375	-2.165064	0	
66	N66	-3.25	.375	-1.299038	0	
67	N67	0.5	.375	3.464102	0	
68	N68	-1.333333	.375	2.886751	0	
69	N69	-3.166667	.375	-0.288675	0	
70	N70	3.166667	.375	-0.288675	0	
71	N71	1.333333	.375	2.886751	0	
72	N72	-1.833333	.375	-2.598076	0	
73	N73	1.833333	.375	-2.598076	0	
74	N74	0.5	.375	-6.062178	0	
75	N75	3.	.375	-1.732051	0	
76	N76	4.875	.375	1.515544	0	
77	N77	5.541667	.375	2.670245	0	
78	N78	0.716506	.375	-6.187178	0	
79	N79	3.216506	.375	-1.857051	0	
80	N80	5.091506	.375	1.390544	0	
81	N81	5.758173	.375	2.545245	0	
82	N82	0.716506	4.375	-6.187178	0	
83	N83	3.216506	4.375	-1.857051	0	
84	N84	5.091506	4.375	1.390544	0	
85	N85	5.758173	4.375	2.545245	0	
86	N86	0.716506	-4.125	-6.187178	0	
87	N87	3.216506	-4.125	-1.857051	0	
88	N88	5.091506	-4.125	1.390544	0	
89	N89	5.758173	-4.125	2.545245	0	
90	N90	-5.5	.375	2.598076	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Di...
91	N91	-3.	.375	-1.732051	0	
92	N92	-1.125	.375	-4.979646	0	
93	N93	-0.458333	.375	-6.134347	0	
94	N94	-5.716506	.375	2.473076	0	
95	N95	-3.216506	.375	-1.857051	0	
96	N96	-1.341506	.375	-5.104646	0	
97	N97	-0.67484	.375	-6.259347	0	
98	N98	-5.716506	4.375	2.473076	0	
99	N99	-3.216506	4.375	-1.857051	0	
100	N100	-1.341506	4.375	-5.104646	0	
101	N101	-0.67484	4.375	-6.259347	0	
102	N102	-5.716506	-4.125	2.473076	0	
103	N103	-3.216506	-4.125	-1.857051	0	
104	N104	-1.341506	-4.125	-5.104646	0	
105	N105	-0.67484	-4.125	-6.259347	0	
106	N106	5	.375	3.464102	0	
107	N107	0	.375	3.464102	0	
108	N108	-3.75	.375	3.464102	0	
109	N109	-5.083333	.375	3.464102	0	
110	N110	5	.375	3.714102	0	
111	N111	0.	.375	3.714102	0	
112	N112	-3.75	.375	3.714102	0	
113	N113	-5.083333	.375	3.714102	0	
114	N114	5	4.375	3.714102	0	
115	N115	0	4.375	3.714102	0	
116	N116	-3.75	4.375	3.714102	0	
117	N117	-5.083333	4.375	3.714102	0	
118	N118	5	-4.125	3.714102	0	
119	N119	0	-4.125	3.714102	0	
120	N120	-3.75	-4.125	3.714102	0	
121	N121	-5.083333	-4.125	3.714102	0	
122	N122	0	0	2.583333	0	
123	N123	2.742414	0	-1.583333	0	
124	N124	1.226869	0	-0.708333	0	
125	N125	1.351869	0	-0.491827	0	
126	N126	1.351869	-.5	-0.491827	0	
127	N127	1.351869	4	-0.491827	0	
128	N128	-2.742414	0	-1.583333	0	
129	N129	0	0	2.416667	0	
130	N130	0	0	2.25	0	
131	N131	0.	0	2.083333	0	
132	N132	0	0.208333	2.583333	0	
133	N133	0	0.208333	2.416667	0	
134	N134	0	0.208333	2.25	0	
135	N135	0.	0.208333	2.083333	0	
136	N136	0.337193	0.208333	2.561233	0	
137	N137	0.315438	0.208333	2.395992	0	
138	N138	0.293684	0.208333	2.230751	0	
139	N139	0.27193	0.208333	2.06551	0	
140	N140	0.668616	0.208333	2.495308	0	
141	N141	0.625479	0.208333	2.334321	0	
142	N142	0.582343	0.208333	2.173333	0	
143	N143	0.539206	0.208333	2.012345	0	
144	N144	0.988599	0.208333	2.386689	0	
145	N145	0.924818	0.208333	2.232709	0	
146	N146	0.861038	0.208333	2.078729	0	
147	N147	0.797257	0.208333	1.924749	0	
148	N148	1.291667	0.208333	2.237232	0	
149	N149	1.208333	0.208333	2.092895	0	
150	N150	1.125	0.208333	1.948557	0	
151	N151	1.041667	0.208333	1.80422	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Di...
152	N152	1.572634	0.208333	2.049496	0	
153	N153	1.471173	0.208333	1.917271	0	
154	N154	1.369713	0.208333	1.785045	0	
155	N155	1.268253	0.208333	1.652819	0	
156	N156	1.826692	0.208333	1.826692	0	
157	N157	1.708841	0.208333	1.708841	0	
158	N158	1.59099	0.208333	1.59099	0	
159	N159	1.473139	0.208333	1.473139	0	
160	N160	2.049496	0.208333	1.572634	0	
161	N161	1.917271	0.208333	1.471173	0	
162	N162	1.785045	0.208333	1.369713	0	
163	N163	1.652819	0.208333	1.268253	0	
164	N164	2.237232	0.208333	1.291667	0	
165	N165	2.092895	0.208333	1.208333	0	
166	N166	1.948557	0.208333	1.125	0	
167	N167	1.80422	0.208333	1.041667	0	
168	N168	2.386689	0.208333	0.988599	0	
169	N169	2.232709	0.208333	0.924818	0	
170	N170	2.078729	0.208333	0.861038	0	
171	N171	1.924749	0.208333	0.797257	0	
172	N172	2.495308	0.208333	0.668616	0	
173	N173	2.334321	0.208333	0.625479	0	
174	N174	2.173333	0.208333	0.582343	0	
175	N175	2.012345	0.208333	0.539206	0	
176	N176	2.561233	0.208333	0.337193	0	
177	N177	2.395992	0.208333	0.315438	0	
178	N178	2.230751	0.208333	0.293684	0	
179	N179	2.06551	0.208333	0.27193	0	
180	N180	2.583333	0.208333	-0.	0	
181	N181	2.416667	0.208333	-0.	0	
182	N182	2.25	0.208333	-0.	0	
183	N183	2.083333	0.208333	-0.	0	
184	N184	2.561233	0.208333	-0.337193	0	
185	N185	2.395992	0.208333	-0.315438	0	
186	N186	2.230751	0.208333	-0.293684	0	
187	N187	2.06551	0.208333	-0.27193	0	
188	N188	2.495308	0.208333	-0.668616	0	
189	N189	2.334321	0.208333	-0.625479	0	
190	N190	2.173333	0.208333	-0.582343	0	
191	N191	2.012345	0.208333	-0.539206	0	
192	N192	2.386689	0.208333	-0.988599	0	
193	N193	2.232709	0.208333	-0.924818	0	
194	N194	2.078729	0.208333	-0.861038	0	
195	N195	1.924749	0.208333	-0.797257	0	
196	N196	2.237232	0.208333	-1.291667	0	
197	N197	2.092895	0.208333	-1.208333	0	
198	N198	1.948557	0.208333	-1.125	0	
199	N199	1.80422	0.208333	-1.041667	0	
200	N200	2.049496	0.208333	-1.572634	0	
201	N201	1.917271	0.208333	-1.471173	0	
202	N202	1.785045	0.208333	-1.369713	0	
203	N203	1.652819	0.208333	-1.268253	0	
204	N204	1.826692	0.208333	-1.826692	0	
205	N205	1.708841	0.208333	-1.708841	0	
206	N206	1.59099	0.208333	-1.59099	0	
207	N207	1.473139	0.208333	-1.473139	0	
208	N208	1.572634	0.208333	-2.049496	0	
209	N209	1.471173	0.208333	-1.917271	0	
210	N210	1.369713	0.208333	-1.785045	0	
211	N211	1.268253	0.208333	-1.652819	0	
212	N212	1.291667	0.208333	-2.237232	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Di...
213	N213	1.208333	0.208333	-2.092895	0	
214	N214	1.125	0.208333	-1.948557	0	
215	N215	1.041667	0.208333	-1.80422	0	
216	N216	0.988599	0.208333	-2.386689	0	
217	N217	0.924818	0.208333	-2.232709	0	
218	N218	0.861038	0.208333	-2.078729	0	
219	N219	0.797257	0.208333	-1.924749	0	
220	N220	0.668616	0.208333	-2.495308	0	
221	N221	0.625479	0.208333	-2.334321	0	
222	N222	0.582343	0.208333	-2.173333	0	
223	N223	0.539206	0.208333	-2.012345	0	
224	N224	0.337193	0.208333	-2.561233	0	
225	N225	0.315438	0.208333	-2.395992	0	
226	N226	0.293684	0.208333	-2.230751	0	
227	N227	0.27193	0.208333	-2.06551	0	
228	N228	0.	0.208333	-2.583333	0	
229	N229	0.	0.208333	-2.416667	0	
230	N230	0.	0.208333	-2.25	0	
231	N231	0.	0.208333	-2.083333	0	
232	N232	-0.337193	0.208333	-2.561233	0	
233	N233	-0.315438	0.208333	-2.395992	0	
234	N234	-0.293684	0.208333	-2.230751	0	
235	N235	-0.27193	0.208333	-2.06551	0	
236	N236	-0.668616	0.208333	-2.495308	0	
237	N237	-0.625479	0.208333	-2.334321	0	
238	N238	-0.582343	0.208333	-2.173333	0	
239	N239	-0.539206	0.208333	-2.012345	0	
240	N240	-0.988599	0.208333	-2.386689	0	
241	N241	-0.924818	0.208333	-2.232709	0	
242	N242	-0.861038	0.208333	-2.078729	0	
243	N243	-0.797257	0.208333	-1.924749	0	
244	N244	-1.291667	0.208333	-2.237232	0	
245	N245	-1.208333	0.208333	-2.092895	0	
246	N246	-1.125	0.208333	-1.948557	0	
247	N247	-1.041667	0.208333	-1.80422	0	
248	N248	-1.572634	0.208333	-2.049496	0	
249	N249	-1.471173	0.208333	-1.917271	0	
250	N250	-1.369713	0.208333	-1.785045	0	
251	N251	-1.268253	0.208333	-1.652819	0	
252	N252	-1.826692	0.208333	-1.826692	0	
253	N253	-1.708841	0.208333	-1.708841	0	
254	N254	-1.59099	0.208333	-1.59099	0	
255	N255	-1.473139	0.208333	-1.473139	0	
256	N256	-2.049496	0.208333	-1.572634	0	
257	N257	-1.917271	0.208333	-1.471173	0	
258	N258	-1.785045	0.208333	-1.369713	0	
259	N259	-1.652819	0.208333	-1.268253	0	
260	N260	-2.237232	0.208333	-1.291667	0	
261	N261	-2.092895	0.208333	-1.208333	0	
262	N262	-1.948557	0.208333	-1.125	0	
263	N263	-1.80422	0.208333	-1.041667	0	
264	N264	-2.386689	0.208333	-0.988599	0	
265	N265	-2.232709	0.208333	-0.924818	0	
266	N266	-2.078729	0.208333	-0.861038	0	
267	N267	-1.924749	0.208333	-0.797257	0	
268	N268	-2.495308	0.208333	-0.668616	0	
269	N269	-2.334321	0.208333	-0.625479	0	
270	N270	-2.173333	0.208333	-0.582343	0	
271	N271	-2.012345	0.208333	-0.539206	0	
272	N272	-2.561233	0.208333	-0.337193	0	
273	N273	-2.395992	0.208333	-0.315438	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Di...
274	N274	-2.230751	0.208333	-0.293684	0	
275	N275	-2.06551	0.208333	-0.27193	0	
276	N276	-2.583333	0.208333	0.	0	
277	N277	-2.416667	0.208333	0.	0	
278	N278	-2.25	0.208333	0.	0	
279	N279	-2.083333	0.208333	0.	0	
280	N280	-2.561233	0.208333	0.337193	0	
281	N281	-2.395992	0.208333	0.315438	0	
282	N282	-2.230751	0.208333	0.293684	0	
283	N283	-2.06551	0.208333	0.27193	0	
284	N284	-2.495308	0.208333	0.668616	0	
285	N285	-2.334321	0.208333	0.625479	0	
286	N286	-2.173333	0.208333	0.582343	0	
287	N287	-2.012345	0.208333	0.539206	0	
288	N288	-2.386689	0.208333	0.988599	0	
289	N289	-2.232709	0.208333	0.924818	0	
290	N290	-2.078729	0.208333	0.861038	0	
291	N291	-1.924749	0.208333	0.797257	0	
292	N292	-2.237232	0.208333	1.291667	0	
293	N293	-2.092895	0.208333	1.208333	0	
294	N294	-1.948557	0.208333	1.125	0	
295	N295	-1.80422	0.208333	1.041667	0	
296	N296	-2.049496	0.208333	1.572634	0	
297	N297	-1.917271	0.208333	1.471173	0	
298	N298	-1.785045	0.208333	1.369713	0	
299	N299	-1.652819	0.208333	1.268253	0	
300	N300	-1.826692	0.208333	1.826692	0	
301	N301	-1.708841	0.208333	1.708841	0	
302	N302	-1.59099	0.208333	1.59099	0	
303	N303	-1.473139	0.208333	1.473139	0	
304	N304	-1.572634	0.208333	2.049496	0	
305	N305	-1.471173	0.208333	1.917271	0	
306	N306	-1.369713	0.208333	1.785045	0	
307	N307	-1.268253	0.208333	1.652819	0	
308	N308	-1.291667	0.208333	2.237232	0	
309	N309	-1.208333	0.208333	2.092895	0	
310	N310	-1.125	0.208333	1.948557	0	
311	N311	-1.041667	0.208333	1.80422	0	
312	N312	-0.988599	0.208333	2.386689	0	
313	N313	-0.924818	0.208333	2.232709	0	
314	N314	-0.861038	0.208333	2.078729	0	
315	N315	-0.797257	0.208333	1.924749	0	
316	N316	-0.668616	0.208333	2.495308	0	
317	N317	-0.625479	0.208333	2.334321	0	
318	N318	-0.582343	0.208333	2.173333	0	
319	N319	-0.539206	0.208333	2.012345	0	
320	N320	-0.337193	0.208333	2.561233	0	
321	N321	-0.315438	0.208333	2.395992	0	
322	N322	-0.293684	0.208333	2.230751	0	
323	N323	-0.27193	0.208333	2.06551	0	
324	N324	-2.25	.375	1.299038	0	
325	N325	2.25	.375	1.299038	0	
326	N326	-0.	.375	-2.598076	0	
327	N327	0.337193	.375	-2.598076	0	
328	N328	-0.337193	.375	-2.598076	0	
329	N329	-2.418596	.375	1.007021	0	
330	N330	-2.081404	.375	1.591056	0	
331	N331	2.081404	.375	1.591056	0	
332	N332	2.418596	.375	1.007021	0	
333	N333	-1.708333	.375	2.237232	0	
334	N334	2.237232	0	-1.291667	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Di...
335	N335	2.092895	0	-1.208333	0	
336	N336	1.948557	0	-1.125	0	
337	N337	1.80422	0	-1.041667	0	
338	N338	-2.237232	0	-1.291667	0	
339	N339	-2.092895	0	-1.208333	0	
340	N340	-1.948557	0	-1.125	0	
341	N341	-1.80422	0	-1.041667	0	
342	N342	-3.982051	.375	2.299038	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	C5X6.7	None	None	A36 Gr.36	Typical	1.97	.47	7.48	.055
2	Cross Brace	C5X6.7	None	None	A36 Gr.36	Typical	1.97	.47	7.48	.055
3	Standoff Horizontal	HSS3X3X5	None	None	A500 Gr. B 46	Typical	2.94	3.45	3.45	5.94
4	Corner Plate	PL3/8x8	None	None	A36 Gr.36	Typical	3	.035	16	.136
5	Ladder Rail	L2x2x3	None	None	A36 Gr.36	Typical	.722	.271	.271	.009
6	Ladder Rung	SR_0.75	None	None	A36 Gr.36	Typical	.442	.016	.016	.031
7	Mount Pipe	PIPE_2.0	None	None	A53 Gr. B	Typical	1.02	.627	.627	1.25

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rot...	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N6	N62		180	Face Horizontal	None	None	A36 Gr.36	Typical
2	M2	N5	N63		180	Face Horizontal	None	None	A36 Gr.36	Typical
3	M3	N9	N64		180	Face Horizontal	None	None	A36 Gr.36	Typical
4	M4	N62	N65		180	Face Horizontal	None	None	A36 Gr.36	Typical
5	M5	N63	N66		180	Face Horizontal	None	None	A36 Gr.36	Typical
6	M6	N64	N67		180	Face Horizontal	None	None	A36 Gr.36	Typical
7	M7	N65	N5		180	Face Horizontal	None	None	A36 Gr.36	Typical
8	M8	N66	N9		180	Face Horizontal	None	None	A36 Gr.36	Typical
9	M9	N67	N6		180	Face Horizontal	None	None	A36 Gr.36	Typical
10	M10	N14	N15		180	Cross Brace	None	None	A36 Gr.36	Typical
11	M11	N16	N17		180	Cross Brace	None	None	A36 Gr.36	Typical
12	M12	N18	N19		180	Cross Brace	None	None	A36 Gr.36	Typical
13	M13	N40	N39			Cross Brace	None	None	A36 Gr.36	Typical
14	M14	N38	N333			Cross Brace	None	None	A36 Gr.36	Typical
15	M15	N61	N4			Standoff Horizontal	None	None	A500 Gr. B...	Typical
16	M16	N123	N2			Standoff Horizontal	None	None	A500 Gr. B...	Typical
17	M17	N128	N3			Standoff Horizontal	None	None	A500 Gr. B...	Typical
18	M18	N21	N20		90	Corner Plate	None	None	A36 Gr.36	Typical
19	M19	N25	N24		90	Corner Plate	None	None	A36 Gr.36	Typical
20	M20	N27	N26		90	Corner Plate	None	None	A36 Gr.36	Typical
21	M21	N31	N30		90	Corner Plate	None	None	A36 Gr.36	Typical
22	M22	N33	N32		90	Corner Plate	None	None	A36 Gr.36	Typical
23	M23	N37	N36		90	Corner Plate	None	None	A36 Gr.36	Typical
24	M24	N41	N42		55	Ladder Rail	None	None	A36 Gr.36	Typical
25	M25	N43	N44		330	Ladder Rail	None	None	A36 Gr.36	Typical
26	M26	N47	N48			Ladder Rung	None	None	A36 Gr.36	Typical
27	M27	N49	N50			Ladder Rung	None	None	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rot...	Section/Shape	Type	Design List	Material	Design Rules
28	M28	N51	N52			Ladder Rung	None	None	A36 Gr.36	Typical
29	M29	N53	N54			Ladder Rung	None	None	A36 Gr.36	Typical
30	M30	N55	N56			Ladder Rung	None	None	A36 Gr.36	Typical
31	M31	N57	N58			Ladder Rung	None	None	A36 Gr.36	Typical
32	M32	N59	N60			Ladder Rung	None	None	A36 Gr.36	Typical
33	M33	N127	N126			Mount Pipe	None	None	A53 Gr. B	Typical
34	MP1A	N114	N118			Mount Pipe	None	None	A53 Gr. B	Typical
35	MP2A	N115	N119			Mount Pipe	None	None	A53 Gr. B	Typical
36	MP3A	N116	N120			Mount Pipe	None	None	A53 Gr. B	Typical
37	MP4A	N117	N121			Mount Pipe	None	None	A53 Gr. B	Typical
38	MP1B	N98	N102			Mount Pipe	None	None	A53 Gr. B	Typical
39	MP2B	N99	N103			Mount Pipe	None	None	A53 Gr. B	Typical
40	MP3B	N100	N104			Mount Pipe	None	None	A53 Gr. B	Typical
41	MP4B	N101	N105			Mount Pipe	None	None	A53 Gr. B	Typical
42	MP1C	N82	N86			Mount Pipe	None	None	A53 Gr. B	Typical
43	MP2C	N83	N87			Mount Pipe	None	None	A53 Gr. B	Typical
44	MP3C	N84	N88			Mount Pipe	None	None	A53 Gr. B	Typical
45	MP4C	N85	N89			Mount Pipe	None	None	A53 Gr. B	Typical
46	M46	N13	N14			RIGID	None	None	RIGID	Typical
47	M47	N10	N15			RIGID	None	None	RIGID	Typical
48	M48	N8	N16			RIGID	None	None	RIGID	Typical
49	M49	N12	N17			RIGID	None	None	RIGID	Typical
50	M50	N11	N18			RIGID	None	None	RIGID	Typical
51	M51	N7	N19			RIGID	None	None	RIGID	Typical
52	M52	N21	N23			RIGID	None	None	RIGID	Typical
53	M53	N20	N22			RIGID	None	None	RIGID	Typical
54	M54	N25	N23			RIGID	None	None	RIGID	Typical
55	M55	N24	N22			RIGID	None	None	RIGID	Typical
56	M56	N27	N29			RIGID	None	None	RIGID	Typical
57	M57	N26	N28			RIGID	None	None	RIGID	Typical
58	M58	N31	N29			RIGID	None	None	RIGID	Typical
59	M59	N30	N28			RIGID	None	None	RIGID	Typical
60	M60	N33	N35			RIGID	None	None	RIGID	Typical
61	M61	N32	N34			RIGID	None	None	RIGID	Typical
62	M62	N37	N35			RIGID	None	None	RIGID	Typical
63	M63	N36	N34			RIGID	None	None	RIGID	Typical
64	M64	N74	N78			RIGID	None	None	RIGID	Typical
65	M65	N75	N79			RIGID	None	None	RIGID	Typical
66	M66	N76	N80			RIGID	None	None	RIGID	Typical
67	M67	N77	N81			RIGID	None	None	RIGID	Typical
68	M68	N90	N94			RIGID	None	None	RIGID	Typical
69	M69	N91	N95			RIGID	None	None	RIGID	Typical
70	M70	N92	N96			RIGID	None	None	RIGID	Typical
71	M71	N93	N97			RIGID	None	None	RIGID	Typical
72	M72	N106	N110			RIGID	None	None	RIGID	Typical
73	M73	N107	N111			RIGID	None	None	RIGID	Typical
74	M74	N108	N112			RIGID	None	None	RIGID	Typical
75	M75	N109	N113			RIGID	None	None	RIGID	Typical
76	M76	N124	N125			RIGID	None	None	RIGID	Typical
77	M77	N329	N288			RIGID	None	None	RIGID	Typical
78	M78	N324	N292			RIGID	None	None	RIGID	Typical
79	M79	N330	N296			RIGID	None	None	RIGID	Typical
80	M80	N331	N160			RIGID	None	None	RIGID	Typical
81	M81	N325	N164			RIGID	None	None	RIGID	Typical
82	M82	N332	N168			RIGID	None	None	RIGID	Typical
83	M83	N327	N224			RIGID	None	None	RIGID	Typical
84	M84	N326	N228			RIGID	None	None	RIGID	Typical
85	M85	N328	N232			RIGID	None	None	RIGID	Typical
86	M86	N132	N122			RIGID	None	None	RIGID	Typical
87	M87	N133	N129			RIGID	None	None	RIGID	Typical
88	M88	N134	N130			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rot...	Section/Shape	Type	Design List	Material	Design Rules
89	M89	N135	N131			RIGID	None	None	RIGID	Typical
90	M90	N260	N338			RIGID	None	None	RIGID	Typical
91	M91	N261	N339			RIGID	None	None	RIGID	Typical
92	M92	N262	N340			RIGID	None	None	RIGID	Typical
93	M93	N263	N341			RIGID	None	None	RIGID	Typical
94	M94	N196	N334			RIGID	None	None	RIGID	Typical
95	M95	N197	N335			RIGID	None	None	RIGID	Typical
96	M96	N198	N336			RIGID	None	None	RIGID	Typical
97	M97	N199	N337			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	** NA **			None
2	M2						Yes	** NA **			None
3	M3						Yes	** NA **			None
4	M4						Yes	** NA **			None
5	M5						Yes	** NA **			None
6	M6						Yes	** NA **			None
7	M7						Yes	** NA **			None
8	M8						Yes	** NA **			None
9	M9						Yes	** NA **			None
10	M10						Yes	** NA **			None
11	M11						Yes	** NA **			None
12	M12						Yes	** NA **			None
13	M13						Yes	** NA **			None
14	M14						Yes	** NA **			None
15	M15						Yes	** NA **			None
16	M16						Yes	** NA **			None
17	M17						Yes	** NA **			None
18	M18						Yes	** NA **			None
19	M19						Yes	** NA **			None
20	M20						Yes	** NA **			None
21	M21						Yes	** NA **			None
22	M22						Yes	** NA **			None
23	M23						Yes	** NA **			None
24	M24						Yes	** NA **			None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27						Yes	** NA **			None
28	M28						Yes	** NA **			None
29	M29						Yes	** NA **			None
30	M30						Yes	** NA **			None
31	M31						Yes	** NA **			None
32	M32						Yes	** NA **			None
33	M33						Yes	** NA **			None
34	MP1A						Yes	** NA **			None
35	MP2A						Yes	** NA **			None
36	MP3A						Yes	** NA **			None
37	MP4A						Yes	** NA **			None
38	MP1B						Yes	** NA **			None
39	MP2B						Yes	** NA **			None
40	MP3B						Yes	** NA **			None
41	MP4B						Yes	** NA **			None
42	MP1C						Yes	** NA **			None
43	MP2C						Yes	** NA **			None
44	MP3C						Yes	** NA **			None
45	MP4C						Yes	** NA **			None
46	M46						Yes	** NA **			None
47	M47						Yes	** NA **			None
48	M48						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
49	M49						Yes	** NA **			None
50	M50						Yes	** NA **			None
51	M51						Yes	** NA **			None
52	M52						Yes	** NA **			None
53	M53						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	M55						Yes	** NA **			None
56	M56						Yes	** NA **			None
57	M57						Yes	** NA **			None
58	M58						Yes	** NA **			None
59	M59						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	M61						Yes	** NA **			None
62	M62						Yes	** NA **			None
63	M63						Yes	** NA **			None
64	M64						Yes	** NA **			None
65	M65						Yes	** NA **			None
66	M66						Yes	** NA **			None
67	M67						Yes	** NA **			None
68	M68						Yes	** NA **			None
69	M69						Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes	** NA **			None
74	M74						Yes	** NA **			None
75	M75						Yes	** NA **			None
76	M76						Yes	** NA **			None
77	M77						Yes	** NA **			None
78	M78						Yes	** NA **			None
79	M79						Yes	** NA **			None
80	M80						Yes	** NA **			None
81	M81						Yes	** NA **			None
82	M82						Yes	** NA **			None
83	M83						Yes	** NA **			None
84	M84						Yes	** NA **			None
85	M85						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	M88						Yes	** NA **			None
89	M89						Yes	** NA **			None
90	M90						Yes	** NA **			None
91	M91						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	M93						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	M97						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-43.55	3
2	MP1A	My	-.022	3
3	MP1A	Mz	0	3
4	MP1A	Y	-43.55	5
5	MP1A	My	-.022	5
6	MP1A	Mz	0	5
7	MP1B	Y	-43.55	3
8	MP1B	My	.011	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP1B	Mz	-.019	3
10	MP1B	Y	-43.55	5
11	MP1B	My	.011	5
12	MP1B	Mz	-.019	5
13	MP1C	Y	-43.55	3
14	MP1C	My	.011	3
15	MP1C	Mz	.019	3
16	MP1C	Y	-43.55	5
17	MP1C	My	.011	5
18	MP1C	Mz	.019	5
19	MP2A	Y	-21.85	1.5
20	MP2A	My	-.011	1.5
21	MP2A	Mz	.012	1.5
22	MP2A	Y	-21.85	6.5
23	MP2A	My	-.011	6.5
24	MP2A	Mz	.012	6.5
25	MP2B	Y	-21.85	1.5
26	MP2B	My	-.005	1.5
27	MP2B	Mz	-.015	1.5
28	MP2B	Y	-21.85	6.5
29	MP2B	My	-.005	6.5
30	MP2B	Mz	-.015	6.5
31	MP2C	Y	-21.85	1.5
32	MP2C	My	.016	1.5
33	MP2C	Mz	.004	1.5
34	MP2C	Y	-21.85	6.5
35	MP2C	My	.016	6.5
36	MP2C	Mz	.004	6.5
37	MP2A	Y	-21.85	1.5
38	MP2A	My	-.011	1.5
39	MP2A	Mz	-.012	1.5
40	MP2A	Y	-21.85	6.5
41	MP2A	My	-.011	6.5
42	MP2A	Mz	-.012	6.5
43	MP2B	Y	-21.85	1.5
44	MP2B	My	.016	1.5
45	MP2B	Mz	-.004	1.5
46	MP2B	Y	-21.85	6.5
47	MP2B	My	.016	6.5
48	MP2B	Mz	-.004	6.5
49	MP2C	Y	-21.85	1.5
50	MP2C	My	-.005	1.5
51	MP2C	Mz	.015	1.5
52	MP2C	Y	-21.85	6.5
53	MP2C	My	-.005	6.5
54	MP2C	Mz	.015	6.5
55	MP4A	Y	-6	2.5
56	MP4A	My	-.003	2.5
57	MP4A	Mz	0	2.5
58	MP4A	Y	-6	5.5
59	MP4A	My	-.003	5.5
60	MP4A	Mz	0	5.5
61	MP4C	Y	-6	2.5
62	MP4C	My	.002	2.5
63	MP4C	Mz	.003	2.5
64	MP4C	Y	-6	5.5
65	MP4C	My	.002	5.5
66	MP4C	Mz	.003	5.5
67	MP4B	Y	-4.95	2.5
68	MP4B	My	.001	2.5
69	MP4B	Mz	-.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP4B	Y	-4.95	5.5
71	MP4B	My	.001	5.5
72	MP4B	Mz	-.002	5.5
73	MP2A	Y	-84.4	2.5
74	MP2A	My	.042	2.5
75	MP2A	Mz	0	2.5
76	MP2B	Y	-84.4	2.5
77	MP2B	My	-.021	2.5
78	MP2B	Mz	.037	2.5
79	MP2C	Y	-84.4	2.5
80	MP2C	My	-.021	2.5
81	MP2C	Mz	-.037	2.5
82	MP3A	Y	-70.3	2.5
83	MP3A	My	.035	2.5
84	MP3A	Mz	0	2.5
85	MP3B	Y	-70.3	2.5
86	MP3B	My	-.018	2.5
87	MP3B	Mz	.03	2.5
88	MP3C	Y	-70.3	2.5
89	MP3C	My	-.018	2.5
90	MP3C	Mz	-.03	2.5
91	M33	Y	-32	1
92	M33	My	0	1
93	M33	Mz	0	1
94	M33	Y	-26.9	1
95	M33	My	0	1
96	M33	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-53.395	3
2	MP1A	My	-.027	3
3	MP1A	Mz	0	3
4	MP1A	Y	-53.395	5
5	MP1A	My	-.027	5
6	MP1A	Mz	0	5
7	MP1B	Y	-53.395	3
8	MP1B	My	.013	3
9	MP1B	Mz	-.023	3
10	MP1B	Y	-53.395	5
11	MP1B	My	.013	5
12	MP1B	Mz	-.023	5
13	MP1C	Y	-53.395	3
14	MP1C	My	.013	3
15	MP1C	Mz	.023	3
16	MP1C	Y	-53.395	5
17	MP1C	My	.013	5
18	MP1C	Mz	.023	5
19	MP2A	Y	-90.512	1.5
20	MP2A	My	-.045	1.5
21	MP2A	Mz	.049	1.5
22	MP2A	Y	-90.512	6.5
23	MP2A	My	-.045	6.5
24	MP2A	Mz	.049	6.5
25	MP2B	Y	-90.512	1.5
26	MP2B	My	-.02	1.5
27	MP2B	Mz	-.064	1.5
28	MP2B	Y	-90.512	6.5
29	MP2B	My	-.02	6.5
30	MP2B	Mz	-.064	6.5
31	MP2C	Y	-90.512	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	My	.065	1.5
33	MP2C	Mz	.015	1.5
34	MP2C	Y	-90.512	6.5
35	MP2C	My	.065	6.5
36	MP2C	Mz	.015	6.5
37	MP2A	Y	-90.512	1.5
38	MP2A	My	-.045	1.5
39	MP2A	Mz	-.049	1.5
40	MP2A	Y	-90.512	6.5
41	MP2A	My	-.045	6.5
42	MP2A	Mz	-.049	6.5
43	MP2B	Y	-90.512	1.5
44	MP2B	My	.065	1.5
45	MP2B	Mz	-.015	1.5
46	MP2B	Y	-90.512	6.5
47	MP2B	My	.065	6.5
48	MP2B	Mz	-.015	6.5
49	MP2C	Y	-90.512	1.5
50	MP2C	My	-.02	1.5
51	MP2C	Mz	.064	1.5
52	MP2C	Y	-90.512	6.5
53	MP2C	My	-.02	6.5
54	MP2C	Mz	.064	6.5
55	MP4A	Y	-46.604	2.5
56	MP4A	My	-.023	2.5
57	MP4A	Mz	0	2.5
58	MP4A	Y	-46.604	5.5
59	MP4A	My	-.023	5.5
60	MP4A	Mz	0	5.5
61	MP4C	Y	-46.604	2.5
62	MP4C	My	.012	2.5
63	MP4C	Mz	.02	2.5
64	MP4C	Y	-46.604	5.5
65	MP4C	My	.012	5.5
66	MP4C	Mz	.02	5.5
67	MP4B	Y	-53.13	2.5
68	MP4B	My	.013	2.5
69	MP4B	Mz	-.023	2.5
70	MP4B	Y	-53.13	5.5
71	MP4B	My	.013	5.5
72	MP4B	Mz	-.023	5.5
73	MP2A	Y	-67.787	2.5
74	MP2A	My	.034	2.5
75	MP2A	Mz	0	2.5
76	MP2B	Y	-67.787	2.5
77	MP2B	My	-.017	2.5
78	MP2B	Mz	.029	2.5
79	MP2C	Y	-67.787	2.5
80	MP2C	My	-.017	2.5
81	MP2C	Mz	-.029	2.5
82	MP3A	Y	-61.17	2.5
83	MP3A	My	.031	2.5
84	MP3A	Mz	0	2.5
85	MP3B	Y	-61.17	2.5
86	MP3B	My	-.015	2.5
87	MP3B	Mz	.026	2.5
88	MP3C	Y	-61.17	2.5
89	MP3C	My	-.015	2.5
90	MP3C	Mz	-.026	2.5
91	M33	Y	-113.665	1
92	M33	My	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	M33	Mz	0	1
94	M33	Y	-83.046	1
95	M33	My	0	1
96	M33	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	3
2	MP1A	Z	-84.217	3
3	MP1A	Mx	0	3
4	MP1A	X	0	5
5	MP1A	Z	-84.217	5
6	MP1A	Mx	0	5
7	MP1B	X	0	3
8	MP1B	Z	-45.782	3
9	MP1B	Mx	.02	3
10	MP1B	X	0	5
11	MP1B	Z	-45.782	5
12	MP1B	Mx	.02	5
13	MP1C	X	0	3
14	MP1C	Z	-45.782	3
15	MP1C	Mx	-.02	3
16	MP1C	X	0	5
17	MP1C	Z	-45.782	5
18	MP1C	Mx	-.02	5
19	MP2A	X	0	1.5
20	MP2A	Z	-144.781	1.5
21	MP2A	Mx	-.078	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	-144.781	6.5
24	MP2A	Mx	-.078	6.5
25	MP2B	X	0	1.5
26	MP2B	Z	-107.981	1.5
27	MP2B	Mx	.076	1.5
28	MP2B	X	0	6.5
29	MP2B	Z	-107.981	6.5
30	MP2B	Mx	.076	6.5
31	MP2C	X	0	1.5
32	MP2C	Z	-107.981	1.5
33	MP2C	Mx	-.018	1.5
34	MP2C	X	0	6.5
35	MP2C	Z	-107.981	6.5
36	MP2C	Mx	-.018	6.5
37	MP2A	X	0	1.5
38	MP2A	Z	-144.781	1.5
39	MP2A	Mx	.078	1.5
40	MP2A	X	0	6.5
41	MP2A	Z	-144.781	6.5
42	MP2A	Mx	.078	6.5
43	MP2B	X	0	1.5
44	MP2B	Z	-107.981	1.5
45	MP2B	Mx	.018	1.5
46	MP2B	X	0	6.5
47	MP2B	Z	-107.981	6.5
48	MP2B	Mx	.018	6.5
49	MP2C	X	0	1.5
50	MP2C	Z	-107.981	1.5
51	MP2C	Mx	-.076	1.5
52	MP2C	X	0	6.5
53	MP2C	Z	-107.981	6.5
54	MP2C	Mx	-.076	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP4A	X	0	2.5
56	MP4A	Z	-63.79	2.5
57	MP4A	Mx	0	2.5
58	MP4A	X	0	5.5
59	MP4A	Z	-63.79	5.5
60	MP4A	Mx	0	5.5
61	MP4C	X	0	2.5
62	MP4C	Z	-53.48	2.5
63	MP4C	Mx	-.023	2.5
64	MP4C	X	0	5.5
65	MP4C	Z	-53.48	5.5
66	MP4C	Mx	-.023	5.5
67	MP4B	X	0	2.5
68	MP4B	Z	-53.937	2.5
69	MP4B	Mx	.023	2.5
70	MP4B	X	0	5.5
71	MP4B	Z	-53.937	5.5
72	MP4B	Mx	.023	5.5
73	MP2A	X	0	2.5
74	MP2A	Z	-67.015	2.5
75	MP2A	Mx	0	2.5
76	MP2B	X	0	2.5
77	MP2B	Z	-50.351	2.5
78	MP2B	Mx	-.022	2.5
79	MP2C	X	0	2.5
80	MP2C	Z	-50.351	2.5
81	MP2C	Mx	.022	2.5
82	MP3A	X	0	2.5
83	MP3A	Z	-67.015	2.5
84	MP3A	Mx	0	2.5
85	MP3B	X	0	2.5
86	MP3B	Z	-43.967	2.5
87	MP3B	Mx	-.019	2.5
88	MP3C	X	0	2.5
89	MP3C	Z	-43.967	2.5
90	MP3C	Mx	.019	2.5
91	M33	X	0	1
92	M33	Z	-124.387	1
93	M33	Mx	0	1
94	M33	X	0	1
95	M33	Z	-81.739	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	35.703	3
2	MP1A	Z	-61.839	3
3	MP1A	Mx	-.018	3
4	MP1A	X	35.703	5
5	MP1A	Z	-61.839	5
6	MP1A	Mx	-.018	5
7	MP1B	X	16.485	3
8	MP1B	Z	-28.553	3
9	MP1B	Mx	.016	3
10	MP1B	X	16.485	5
11	MP1B	Z	-28.553	5
12	MP1B	Mx	.016	5
13	MP1C	X	35.703	3
14	MP1C	Z	-61.839	3
15	MP1C	Mx	-.018	3
16	MP1C	X	35.703	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP1C	Z	-61.839	5
18	MP1C	Mx	-.018	5
19	MP2A	X	66.257	1.5
20	MP2A	Z	-114.761	1.5
21	MP2A	Mx	-.095	1.5
22	MP2A	X	66.257	6.5
23	MP2A	Z	-114.761	6.5
24	MP2A	Mx	-.095	6.5
25	MP2B	X	47.857	1.5
26	MP2B	Z	-82.891	1.5
27	MP2B	Mx	.048	1.5
28	MP2B	X	47.857	6.5
29	MP2B	Z	-82.891	6.5
30	MP2B	Mx	.048	6.5
31	MP2C	X	66.257	1.5
32	MP2C	Z	-114.761	1.5
33	MP2C	Mx	.029	1.5
34	MP2C	X	66.257	6.5
35	MP2C	Z	-114.761	6.5
36	MP2C	Mx	.029	6.5
37	MP2A	X	66.257	1.5
38	MP2A	Z	-114.761	1.5
39	MP2A	Mx	.029	1.5
40	MP2A	X	66.257	6.5
41	MP2A	Z	-114.761	6.5
42	MP2A	Mx	.029	6.5
43	MP2B	X	47.857	1.5
44	MP2B	Z	-82.891	1.5
45	MP2B	Mx	.048	1.5
46	MP2B	X	47.857	6.5
47	MP2B	Z	-82.891	6.5
48	MP2B	Mx	.048	6.5
49	MP2C	X	66.257	1.5
50	MP2C	Z	-114.761	1.5
51	MP2C	Mx	-.095	1.5
52	MP2C	X	66.257	6.5
53	MP2C	Z	-114.761	6.5
54	MP2C	Mx	-.095	6.5
55	MP4A	X	30.176	2.5
56	MP4A	Z	-52.267	2.5
57	MP4A	Mx	-.015	2.5
58	MP4A	X	30.176	5.5
59	MP4A	Z	-52.267	5.5
60	MP4A	Mx	-.015	5.5
61	MP4C	X	30.176	2.5
62	MP4C	Z	-52.267	2.5
63	MP4C	Mx	-.015	2.5
64	MP4C	X	30.176	5.5
65	MP4C	Z	-52.267	5.5
66	MP4C	Mx	-.015	5.5
67	MP4B	X	21.862	2.5
68	MP4B	Z	-37.867	2.5
69	MP4B	Mx	.022	2.5
70	MP4B	X	21.862	5.5
71	MP4B	Z	-37.867	5.5
72	MP4B	Mx	.022	5.5
73	MP2A	X	30.73	2.5
74	MP2A	Z	-53.226	2.5
75	MP2A	Mx	.015	2.5
76	MP2B	X	22.398	2.5
77	MP2B	Z	-38.794	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP2B	Mx	-.022	2.5
79	MP2C	X	30.73	2.5
80	MP2C	Z	-53.226	2.5
81	MP2C	Mx	.015	2.5
82	MP3A	X	29.666	2.5
83	MP3A	Z	-51.383	2.5
84	MP3A	Mx	.015	2.5
85	MP3B	X	18.142	2.5
86	MP3B	Z	-31.424	2.5
87	MP3B	Mx	-.018	2.5
88	MP3C	X	29.666	2.5
89	MP3C	Z	-51.383	2.5
90	MP3C	Mx	.015	2.5
91	M33	X	50.759	1
92	M33	Z	-87.918	1
93	M33	Mx	0	1
94	M33	X	33.017	1
95	M33	Z	-57.187	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	39.648	3
2	MP1A	Z	-22.891	3
3	MP1A	Mx	-.02	3
4	MP1A	X	39.648	5
5	MP1A	Z	-22.891	5
6	MP1A	Mx	-.02	5
7	MP1B	X	39.648	3
8	MP1B	Z	-22.891	3
9	MP1B	Mx	.02	3
10	MP1B	X	39.648	5
11	MP1B	Z	-22.891	5
12	MP1B	Mx	.02	5
13	MP1C	X	72.934	3
14	MP1C	Z	-42.108	3
15	MP1C	Mx	0	3
16	MP1C	X	72.934	5
17	MP1C	Z	-42.108	5
18	MP1C	Mx	0	5
19	MP2A	X	93.514	1.5
20	MP2A	Z	-53.99	1.5
21	MP2A	Mx	-.076	1.5
22	MP2A	X	93.514	6.5
23	MP2A	Z	-53.99	6.5
24	MP2A	Mx	-.076	6.5
25	MP2B	X	93.514	1.5
26	MP2B	Z	-53.99	1.5
27	MP2B	Mx	.018	1.5
28	MP2B	X	93.514	6.5
29	MP2B	Z	-53.99	6.5
30	MP2B	Mx	.018	6.5
31	MP2C	X	125.384	1.5
32	MP2C	Z	-72.39	1.5
33	MP2C	Mx	.078	1.5
34	MP2C	X	125.384	6.5
35	MP2C	Z	-72.39	6.5
36	MP2C	Mx	.078	6.5
37	MP2A	X	93.514	1.5
38	MP2A	Z	-53.99	1.5
39	MP2A	Mx	-.018	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	93.514	6.5
41	MP2A	Z	-53.99	6.5
42	MP2A	Mx	-.018	6.5
43	MP2B	X	93.514	1.5
44	MP2B	Z	-53.99	1.5
45	MP2B	Mx	.076	1.5
46	MP2B	X	93.514	6.5
47	MP2B	Z	-53.99	6.5
48	MP2B	Mx	.076	6.5
49	MP2C	X	125.384	1.5
50	MP2C	Z	-72.39	1.5
51	MP2C	Mx	-.078	1.5
52	MP2C	X	125.384	6.5
53	MP2C	Z	-72.39	6.5
54	MP2C	Mx	-.078	6.5
55	MP4A	X	46.315	2.5
56	MP4A	Z	-26.74	2.5
57	MP4A	Mx	-.023	2.5
58	MP4A	X	46.315	5.5
59	MP4A	Z	-26.74	5.5
60	MP4A	Mx	-.023	5.5
61	MP4C	X	55.243	2.5
62	MP4C	Z	-31.895	2.5
63	MP4C	Mx	0	2.5
64	MP4C	X	55.243	5.5
65	MP4C	Z	-31.895	5.5
66	MP4C	Mx	0	5.5
67	MP4B	X	46.711	2.5
68	MP4B	Z	-26.969	2.5
69	MP4B	Mx	.023	2.5
70	MP4B	X	46.711	5.5
71	MP4B	Z	-26.969	5.5
72	MP4B	Mx	.023	5.5
73	MP2A	X	43.605	2.5
74	MP2A	Z	-25.175	2.5
75	MP2A	Mx	.022	2.5
76	MP2B	X	43.605	2.5
77	MP2B	Z	-25.175	2.5
78	MP2B	Mx	-.022	2.5
79	MP2C	X	58.037	2.5
80	MP2C	Z	-33.507	2.5
81	MP2C	Mx	0	2.5
82	MP3A	X	38.077	2.5
83	MP3A	Z	-21.984	2.5
84	MP3A	Mx	.019	2.5
85	MP3B	X	38.077	2.5
86	MP3B	Z	-21.984	2.5
87	MP3B	Mx	-.019	2.5
88	MP3C	X	58.037	2.5
89	MP3C	Z	-33.507	2.5
90	MP3C	Mx	0	2.5
91	M33	X	78.015	1
92	M33	Z	-45.042	1
93	M33	Mx	0	1
94	M33	X	50.386	1
95	M33	Z	-29.091	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	32.971	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP1A	Z	0	3
3	MP1A	Mx	-.016	3
4	MP1A	X	32.971	5
5	MP1A	Z	0	5
6	MP1A	Mx	-.016	5
7	MP1B	X	71.405	3
8	MP1B	Z	0	3
9	MP1B	Mx	.018	3
10	MP1B	X	71.405	5
11	MP1B	Z	0	5
12	MP1B	Mx	.018	5
13	MP1C	X	71.405	3
14	MP1C	Z	0	3
15	MP1C	Mx	.018	3
16	MP1C	X	71.405	5
17	MP1C	Z	0	5
18	MP1C	Mx	.018	5
19	MP2A	X	95.714	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.048	1.5
22	MP2A	X	95.714	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	-.048	6.5
25	MP2B	X	132.514	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	-.029	1.5
28	MP2B	X	132.514	6.5
29	MP2B	Z	0	6.5
30	MP2B	Mx	-.029	6.5
31	MP2C	X	132.514	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	.095	1.5
34	MP2C	X	132.514	6.5
35	MP2C	Z	0	6.5
36	MP2C	Mx	.095	6.5
37	MP2A	X	95.714	1.5
38	MP2A	Z	0	1.5
39	MP2A	Mx	-.048	1.5
40	MP2A	X	95.714	6.5
41	MP2A	Z	0	6.5
42	MP2A	Mx	-.048	6.5
43	MP2B	X	132.514	1.5
44	MP2B	Z	0	1.5
45	MP2B	Mx	.095	1.5
46	MP2B	X	132.514	6.5
47	MP2B	Z	0	6.5
48	MP2B	Mx	.095	6.5
49	MP2C	X	132.514	1.5
50	MP2C	Z	0	1.5
51	MP2C	Mx	-.029	1.5
52	MP2C	X	132.514	6.5
53	MP2C	Z	0	6.5
54	MP2C	Mx	-.029	6.5
55	MP4A	X	50.043	2.5
56	MP4A	Z	0	2.5
57	MP4A	Mx	-.025	2.5
58	MP4A	X	50.043	5.5
59	MP4A	Z	0	5.5
60	MP4A	Mx	-.025	5.5
61	MP4C	X	60.353	2.5
62	MP4C	Z	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4C	Mx	.015	2.5
64	MP4C	X	60.353	5.5
65	MP4C	Z	0	5.5
66	MP4C	Mx	.015	5.5
67	MP4B	X	74.362	2.5
68	MP4B	Z	0	2.5
69	MP4B	Mx	.019	2.5
70	MP4B	X	74.362	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	.019	5.5
73	MP2A	X	44.796	2.5
74	MP2A	Z	0	2.5
75	MP2A	Mx	.022	2.5
76	MP2B	X	61.46	2.5
77	MP2B	Z	0	2.5
78	MP2B	Mx	-.015	2.5
79	MP2C	X	61.46	2.5
80	MP2C	Z	0	2.5
81	MP2C	Mx	-.015	2.5
82	MP3A	X	36.285	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	.018	2.5
85	MP3B	X	59.332	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	-.015	2.5
88	MP3C	X	59.332	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	-.015	2.5
91	M33	X	101.519	1
92	M33	Z	0	1
93	M33	Mx	0	1
94	M33	X	66.034	1
95	M33	Z	0	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	39.648	3
2	MP1A	Z	22.891	3
3	MP1A	Mx	-.02	3
4	MP1A	X	39.648	5
5	MP1A	Z	22.891	5
6	MP1A	Mx	-.02	5
7	MP1B	X	72.934	3
8	MP1B	Z	42.108	3
9	MP1B	Mx	0	3
10	MP1B	X	72.934	5
11	MP1B	Z	42.108	5
12	MP1B	Mx	0	5
13	MP1C	X	39.648	3
14	MP1C	Z	22.891	3
15	MP1C	Mx	.02	3
16	MP1C	X	39.648	5
17	MP1C	Z	22.891	5
18	MP1C	Mx	.02	5
19	MP2A	X	93.514	1.5
20	MP2A	Z	53.99	1.5
21	MP2A	Mx	-.018	1.5
22	MP2A	X	93.514	6.5
23	MP2A	Z	53.99	6.5
24	MP2A	Mx	-.018	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	125.384	1.5
26	MP2B	Z	72.39	1.5
27	MP2B	Mx	-.078	1.5
28	MP2B	X	125.384	6.5
29	MP2B	Z	72.39	6.5
30	MP2B	Mx	-.078	6.5
31	MP2C	X	93.514	1.5
32	MP2C	Z	53.99	1.5
33	MP2C	Mx	.076	1.5
34	MP2C	X	93.514	6.5
35	MP2C	Z	53.99	6.5
36	MP2C	Mx	.076	6.5
37	MP2A	X	93.514	1.5
38	MP2A	Z	53.99	1.5
39	MP2A	Mx	-.076	1.5
40	MP2A	X	93.514	6.5
41	MP2A	Z	53.99	6.5
42	MP2A	Mx	-.076	6.5
43	MP2B	X	125.384	1.5
44	MP2B	Z	72.39	1.5
45	MP2B	Mx	.078	1.5
46	MP2B	X	125.384	6.5
47	MP2B	Z	72.39	6.5
48	MP2B	Mx	.078	6.5
49	MP2C	X	93.514	1.5
50	MP2C	Z	53.99	1.5
51	MP2C	Mx	.018	1.5
52	MP2C	X	93.514	6.5
53	MP2C	Z	53.99	6.5
54	MP2C	Mx	.018	6.5
55	MP4A	X	46.315	2.5
56	MP4A	Z	26.74	2.5
57	MP4A	Mx	-.023	2.5
58	MP4A	X	46.315	5.5
59	MP4A	Z	26.74	5.5
60	MP4A	Mx	-.023	5.5
61	MP4C	X	46.315	2.5
62	MP4C	Z	26.74	2.5
63	MP4C	Mx	.023	2.5
64	MP4C	X	46.315	5.5
65	MP4C	Z	26.74	5.5
66	MP4C	Mx	.023	5.5
67	MP4B	X	73.244	2.5
68	MP4B	Z	42.287	2.5
69	MP4B	Mx	0	2.5
70	MP4B	X	73.244	5.5
71	MP4B	Z	42.287	5.5
72	MP4B	Mx	0	5.5
73	MP2A	X	43.605	2.5
74	MP2A	Z	25.175	2.5
75	MP2A	Mx	.022	2.5
76	MP2B	X	58.037	2.5
77	MP2B	Z	33.507	2.5
78	MP2B	Mx	0	2.5
79	MP2C	X	43.605	2.5
80	MP2C	Z	25.175	2.5
81	MP2C	Mx	-.022	2.5
82	MP3A	X	38.077	2.5
83	MP3A	Z	21.984	2.5
84	MP3A	Mx	.019	2.5
85	MP3B	X	58.037	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP3B	Z	33.507	2.5
87	MP3B	Mx	0	2.5
88	MP3C	X	38.077	2.5
89	MP3C	Z	21.984	2.5
90	MP3C	Mx	-.019	2.5
91	M33	X	107.723	1
92	M33	Z	62.194	1
93	M33	Mx	0	1
94	M33	X	70.788	1
95	M33	Z	40.87	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	35.703	3
2	MP1A	Z	61.839	3
3	MP1A	Mx	-.018	3
4	MP1A	X	35.703	5
5	MP1A	Z	61.839	5
6	MP1A	Mx	-.018	5
7	MP1B	X	35.703	3
8	MP1B	Z	61.839	3
9	MP1B	Mx	-.018	3
10	MP1B	X	35.703	5
11	MP1B	Z	61.839	5
12	MP1B	Mx	-.018	5
13	MP1C	X	16.485	3
14	MP1C	Z	28.553	3
15	MP1C	Mx	.016	3
16	MP1C	X	16.485	5
17	MP1C	Z	28.553	5
18	MP1C	Mx	.016	5
19	MP2A	X	66.257	1.5
20	MP2A	Z	114.761	1.5
21	MP2A	Mx	.029	1.5
22	MP2A	X	66.257	6.5
23	MP2A	Z	114.761	6.5
24	MP2A	Mx	.029	6.5
25	MP2B	X	66.257	1.5
26	MP2B	Z	114.761	1.5
27	MP2B	Mx	-.095	1.5
28	MP2B	X	66.257	6.5
29	MP2B	Z	114.761	6.5
30	MP2B	Mx	-.095	6.5
31	MP2C	X	47.857	1.5
32	MP2C	Z	82.891	1.5
33	MP2C	Mx	.048	1.5
34	MP2C	X	47.857	6.5
35	MP2C	Z	82.891	6.5
36	MP2C	Mx	.048	6.5
37	MP2A	X	66.257	1.5
38	MP2A	Z	114.761	1.5
39	MP2A	Mx	-.095	1.5
40	MP2A	X	66.257	6.5
41	MP2A	Z	114.761	6.5
42	MP2A	Mx	-.095	6.5
43	MP2B	X	66.257	1.5
44	MP2B	Z	114.761	1.5
45	MP2B	Mx	.029	1.5
46	MP2B	X	66.257	6.5
47	MP2B	Z	114.761	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	.029	6.5
49	MP2C	X	47.857	1.5
50	MP2C	Z	82.891	1.5
51	MP2C	Mx	.048	1.5
52	MP2C	X	47.857	6.5
53	MP2C	Z	82.891	6.5
54	MP2C	Mx	.048	6.5
55	MP4A	X	30.176	2.5
56	MP4A	Z	52.267	2.5
57	MP4A	Mx	-.015	2.5
58	MP4A	X	30.176	5.5
59	MP4A	Z	52.267	5.5
60	MP4A	Mx	-.015	5.5
61	MP4C	X	25.021	2.5
62	MP4C	Z	43.338	2.5
63	MP4C	Mx	.025	2.5
64	MP4C	X	25.021	5.5
65	MP4C	Z	43.338	5.5
66	MP4C	Mx	.025	5.5
67	MP4B	X	37.181	2.5
68	MP4B	Z	64.4	2.5
69	MP4B	Mx	-.019	2.5
70	MP4B	X	37.181	5.5
71	MP4B	Z	64.4	5.5
72	MP4B	Mx	-.019	5.5
73	MP2A	X	30.73	2.5
74	MP2A	Z	53.226	2.5
75	MP2A	Mx	.015	2.5
76	MP2B	X	30.73	2.5
77	MP2B	Z	53.226	2.5
78	MP2B	Mx	.015	2.5
79	MP2C	X	22.398	2.5
80	MP2C	Z	38.794	2.5
81	MP2C	Mx	-.022	2.5
82	MP3A	X	29.666	2.5
83	MP3A	Z	51.383	2.5
84	MP3A	Mx	.015	2.5
85	MP3B	X	29.666	2.5
86	MP3B	Z	51.383	2.5
87	MP3B	Mx	.015	2.5
88	MP3C	X	18.142	2.5
89	MP3C	Z	31.424	2.5
90	MP3C	Mx	-.018	2.5
91	M33	X	67.911	1
92	M33	Z	117.625	1
93	M33	Mx	0	1
94	M33	X	44.796	1
95	M33	Z	77.589	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	3
2	MP1A	Z	84.217	3
3	MP1A	Mx	0	3
4	MP1A	X	0	5
5	MP1A	Z	84.217	5
6	MP1A	Mx	0	5
7	MP1B	X	0	3
8	MP1B	Z	45.782	3
9	MP1B	Mx	-.02	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP1B	X	0	5
11	MP1B	Z	45.782	5
12	MP1B	Mx	-.02	5
13	MP1C	X	0	3
14	MP1C	Z	45.782	3
15	MP1C	Mx	.02	3
16	MP1C	X	0	5
17	MP1C	Z	45.782	5
18	MP1C	Mx	.02	5
19	MP2A	X	0	1.5
20	MP2A	Z	144.781	1.5
21	MP2A	Mx	.078	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	144.781	6.5
24	MP2A	Mx	.078	6.5
25	MP2B	X	0	1.5
26	MP2B	Z	107.981	1.5
27	MP2B	Mx	-.076	1.5
28	MP2B	X	0	6.5
29	MP2B	Z	107.981	6.5
30	MP2B	Mx	-.076	6.5
31	MP2C	X	0	1.5
32	MP2C	Z	107.981	1.5
33	MP2C	Mx	.018	1.5
34	MP2C	X	0	6.5
35	MP2C	Z	107.981	6.5
36	MP2C	Mx	.018	6.5
37	MP2A	X	0	1.5
38	MP2A	Z	144.781	1.5
39	MP2A	Mx	-.078	1.5
40	MP2A	X	0	6.5
41	MP2A	Z	144.781	6.5
42	MP2A	Mx	-.078	6.5
43	MP2B	X	0	1.5
44	MP2B	Z	107.981	1.5
45	MP2B	Mx	-.018	1.5
46	MP2B	X	0	6.5
47	MP2B	Z	107.981	6.5
48	MP2B	Mx	-.018	6.5
49	MP2C	X	0	1.5
50	MP2C	Z	107.981	1.5
51	MP2C	Mx	.076	1.5
52	MP2C	X	0	6.5
53	MP2C	Z	107.981	6.5
54	MP2C	Mx	.076	6.5
55	MP4A	X	0	2.5
56	MP4A	Z	63.79	2.5
57	MP4A	Mx	0	2.5
58	MP4A	X	0	5.5
59	MP4A	Z	63.79	5.5
60	MP4A	Mx	0	5.5
61	MP4C	X	0	2.5
62	MP4C	Z	53.48	2.5
63	MP4C	Mx	.023	2.5
64	MP4C	X	0	5.5
65	MP4C	Z	53.48	5.5
66	MP4C	Mx	.023	5.5
67	MP4B	X	0	2.5
68	MP4B	Z	53.937	2.5
69	MP4B	Mx	-.023	2.5
70	MP4B	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP4B	Z	53.937	5.5
72	MP4B	Mx	-.023	5.5
73	MP2A	X	0	2.5
74	MP2A	Z	67.015	2.5
75	MP2A	Mx	0	2.5
76	MP2B	X	0	2.5
77	MP2B	Z	50.351	2.5
78	MP2B	Mx	.022	2.5
79	MP2C	X	0	2.5
80	MP2C	Z	50.351	2.5
81	MP2C	Mx	-.022	2.5
82	MP3A	X	0	2.5
83	MP3A	Z	67.015	2.5
84	MP3A	Mx	0	2.5
85	MP3B	X	0	2.5
86	MP3B	Z	43.967	2.5
87	MP3B	Mx	.019	2.5
88	MP3C	X	0	2.5
89	MP3C	Z	43.967	2.5
90	MP3C	Mx	-.019	2.5
91	M33	X	0	1
92	M33	Z	124.387	1
93	M33	Mx	0	1
94	M33	X	0	1
95	M33	Z	81.739	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-35.703	3
2	MP1A	Z	61.839	3
3	MP1A	Mx	.018	3
4	MP1A	X	-35.703	5
5	MP1A	Z	61.839	5
6	MP1A	Mx	.018	5
7	MP1B	X	-16.485	3
8	MP1B	Z	28.553	3
9	MP1B	Mx	-.016	3
10	MP1B	X	-16.485	5
11	MP1B	Z	28.553	5
12	MP1B	Mx	-.016	5
13	MP1C	X	-35.703	3
14	MP1C	Z	61.839	3
15	MP1C	Mx	.018	3
16	MP1C	X	-35.703	5
17	MP1C	Z	61.839	5
18	MP1C	Mx	.018	5
19	MP2A	X	-66.257	1.5
20	MP2A	Z	114.761	1.5
21	MP2A	Mx	.095	1.5
22	MP2A	X	-66.257	6.5
23	MP2A	Z	114.761	6.5
24	MP2A	Mx	.095	6.5
25	MP2B	X	-47.857	1.5
26	MP2B	Z	82.891	1.5
27	MP2B	Mx	-.048	1.5
28	MP2B	X	-47.857	6.5
29	MP2B	Z	82.891	6.5
30	MP2B	Mx	-.048	6.5
31	MP2C	X	-66.257	1.5
32	MP2C	Z	114.761	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	-.029	1.5
34	MP2C	X	-66.257	6.5
35	MP2C	Z	114.761	6.5
36	MP2C	Mx	-.029	6.5
37	MP2A	X	-66.257	1.5
38	MP2A	Z	114.761	1.5
39	MP2A	Mx	-.029	1.5
40	MP2A	X	-66.257	6.5
41	MP2A	Z	114.761	6.5
42	MP2A	Mx	-.029	6.5
43	MP2B	X	-47.857	1.5
44	MP2B	Z	82.891	1.5
45	MP2B	Mx	-.048	1.5
46	MP2B	X	-47.857	6.5
47	MP2B	Z	82.891	6.5
48	MP2B	Mx	-.048	6.5
49	MP2C	X	-66.257	1.5
50	MP2C	Z	114.761	1.5
51	MP2C	Mx	.095	1.5
52	MP2C	X	-66.257	6.5
53	MP2C	Z	114.761	6.5
54	MP2C	Mx	.095	6.5
55	MP4A	X	-30.176	2.5
56	MP4A	Z	52.267	2.5
57	MP4A	Mx	.015	2.5
58	MP4A	X	-30.176	5.5
59	MP4A	Z	52.267	5.5
60	MP4A	Mx	.015	5.5
61	MP4C	X	-30.176	2.5
62	MP4C	Z	52.267	2.5
63	MP4C	Mx	.015	2.5
64	MP4C	X	-30.176	5.5
65	MP4C	Z	52.267	5.5
66	MP4C	Mx	.015	5.5
67	MP4B	X	-21.862	2.5
68	MP4B	Z	37.867	2.5
69	MP4B	Mx	-.022	2.5
70	MP4B	X	-21.862	5.5
71	MP4B	Z	37.867	5.5
72	MP4B	Mx	-.022	5.5
73	MP2A	X	-30.73	2.5
74	MP2A	Z	53.226	2.5
75	MP2A	Mx	-.015	2.5
76	MP2B	X	-22.398	2.5
77	MP2B	Z	38.794	2.5
78	MP2B	Mx	.022	2.5
79	MP2C	X	-30.73	2.5
80	MP2C	Z	53.226	2.5
81	MP2C	Mx	-.015	2.5
82	MP3A	X	-29.666	2.5
83	MP3A	Z	51.383	2.5
84	MP3A	Mx	-.015	2.5
85	MP3B	X	-18.142	2.5
86	MP3B	Z	31.424	2.5
87	MP3B	Mx	.018	2.5
88	MP3C	X	-29.666	2.5
89	MP3C	Z	51.383	2.5
90	MP3C	Mx	-.015	2.5
91	M33	X	-50.759	1
92	M33	Z	87.918	1
93	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	M33	X	-33.017	1
95	M33	Z	57.187	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-39.648	3
2	MP1A	Z	22.891	3
3	MP1A	Mx	.02	3
4	MP1A	X	-39.648	5
5	MP1A	Z	22.891	5
6	MP1A	Mx	.02	5
7	MP1B	X	-39.648	3
8	MP1B	Z	22.891	3
9	MP1B	Mx	-.02	3
10	MP1B	X	-39.648	5
11	MP1B	Z	22.891	5
12	MP1B	Mx	-.02	5
13	MP1C	X	-72.934	3
14	MP1C	Z	42.108	3
15	MP1C	Mx	0	3
16	MP1C	X	-72.934	5
17	MP1C	Z	42.108	5
18	MP1C	Mx	0	5
19	MP2A	X	-93.514	1.5
20	MP2A	Z	53.99	1.5
21	MP2A	Mx	.076	1.5
22	MP2A	X	-93.514	6.5
23	MP2A	Z	53.99	6.5
24	MP2A	Mx	.076	6.5
25	MP2B	X	-93.514	1.5
26	MP2B	Z	53.99	1.5
27	MP2B	Mx	-.018	1.5
28	MP2B	X	-93.514	6.5
29	MP2B	Z	53.99	6.5
30	MP2B	Mx	-.018	6.5
31	MP2C	X	-125.384	1.5
32	MP2C	Z	72.39	1.5
33	MP2C	Mx	-.078	1.5
34	MP2C	X	-125.384	6.5
35	MP2C	Z	72.39	6.5
36	MP2C	Mx	-.078	6.5
37	MP2A	X	-93.514	1.5
38	MP2A	Z	53.99	1.5
39	MP2A	Mx	.018	1.5
40	MP2A	X	-93.514	6.5
41	MP2A	Z	53.99	6.5
42	MP2A	Mx	.018	6.5
43	MP2B	X	-93.514	1.5
44	MP2B	Z	53.99	1.5
45	MP2B	Mx	-.076	1.5
46	MP2B	X	-93.514	6.5
47	MP2B	Z	53.99	6.5
48	MP2B	Mx	-.076	6.5
49	MP2C	X	-125.384	1.5
50	MP2C	Z	72.39	1.5
51	MP2C	Mx	.078	1.5
52	MP2C	X	-125.384	6.5
53	MP2C	Z	72.39	6.5
54	MP2C	Mx	.078	6.5
55	MP4A	X	-46.315	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
56	MP4A	Z	26.74	2.5
57	MP4A	Mx	.023	2.5
58	MP4A	X	-46.315	5.5
59	MP4A	Z	26.74	5.5
60	MP4A	Mx	.023	5.5
61	MP4C	X	-55.243	2.5
62	MP4C	Z	31.895	2.5
63	MP4C	Mx	0	2.5
64	MP4C	X	-55.243	5.5
65	MP4C	Z	31.895	5.5
66	MP4C	Mx	0	5.5
67	MP4B	X	-46.711	2.5
68	MP4B	Z	26.969	2.5
69	MP4B	Mx	-.023	2.5
70	MP4B	X	-46.711	5.5
71	MP4B	Z	26.969	5.5
72	MP4B	Mx	-.023	5.5
73	MP2A	X	-43.605	2.5
74	MP2A	Z	25.175	2.5
75	MP2A	Mx	-.022	2.5
76	MP2B	X	-43.605	2.5
77	MP2B	Z	25.175	2.5
78	MP2B	Mx	.022	2.5
79	MP2C	X	-58.037	2.5
80	MP2C	Z	33.507	2.5
81	MP2C	Mx	0	2.5
82	MP3A	X	-38.077	2.5
83	MP3A	Z	21.984	2.5
84	MP3A	Mx	-.019	2.5
85	MP3B	X	-38.077	2.5
86	MP3B	Z	21.984	2.5
87	MP3B	Mx	.019	2.5
88	MP3C	X	-58.037	2.5
89	MP3C	Z	33.507	2.5
90	MP3C	Mx	0	2.5
91	M33	X	-78.015	1
92	M33	Z	45.042	1
93	M33	Mx	0	1
94	M33	X	-50.386	1
95	M33	Z	29.091	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-32.971	3
2	MP1A	Z	0	3
3	MP1A	Mx	.016	3
4	MP1A	X	-32.971	5
5	MP1A	Z	0	5
6	MP1A	Mx	.016	5
7	MP1B	X	-71.405	3
8	MP1B	Z	0	3
9	MP1B	Mx	-.018	3
10	MP1B	X	-71.405	5
11	MP1B	Z	0	5
12	MP1B	Mx	-.018	5
13	MP1C	X	-71.405	3
14	MP1C	Z	0	3
15	MP1C	Mx	-.018	3
16	MP1C	X	-71.405	5
17	MP1C	Z	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	-.018	5
19	MP2A	X	-95.714	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.048	1.5
22	MP2A	X	-95.714	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	.048	6.5
25	MP2B	X	-132.514	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	.029	1.5
28	MP2B	X	-132.514	6.5
29	MP2B	Z	0	6.5
30	MP2B	Mx	.029	6.5
31	MP2C	X	-132.514	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	-.095	1.5
34	MP2C	X	-132.514	6.5
35	MP2C	Z	0	6.5
36	MP2C	Mx	-.095	6.5
37	MP2A	X	-95.714	1.5
38	MP2A	Z	0	1.5
39	MP2A	Mx	.048	1.5
40	MP2A	X	-95.714	6.5
41	MP2A	Z	0	6.5
42	MP2A	Mx	.048	6.5
43	MP2B	X	-132.514	1.5
44	MP2B	Z	0	1.5
45	MP2B	Mx	-.095	1.5
46	MP2B	X	-132.514	6.5
47	MP2B	Z	0	6.5
48	MP2B	Mx	-.095	6.5
49	MP2C	X	-132.514	1.5
50	MP2C	Z	0	1.5
51	MP2C	Mx	.029	1.5
52	MP2C	X	-132.514	6.5
53	MP2C	Z	0	6.5
54	MP2C	Mx	.029	6.5
55	MP4A	X	-50.043	2.5
56	MP4A	Z	0	2.5
57	MP4A	Mx	.025	2.5
58	MP4A	X	-50.043	5.5
59	MP4A	Z	0	5.5
60	MP4A	Mx	.025	5.5
61	MP4C	X	-60.353	2.5
62	MP4C	Z	0	2.5
63	MP4C	Mx	-.015	2.5
64	MP4C	X	-60.353	5.5
65	MP4C	Z	0	5.5
66	MP4C	Mx	-.015	5.5
67	MP4B	X	-74.362	2.5
68	MP4B	Z	0	2.5
69	MP4B	Mx	-.019	2.5
70	MP4B	X	-74.362	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	-.019	5.5
73	MP2A	X	-44.796	2.5
74	MP2A	Z	0	2.5
75	MP2A	Mx	-.022	2.5
76	MP2B	X	-61.46	2.5
77	MP2B	Z	0	2.5
78	MP2B	Mx	.015	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP2C	X	-61.46	2.5
80	MP2C	Z	0	2.5
81	MP2C	Mx	.015	2.5
82	MP3A	X	-36.285	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	-.018	2.5
85	MP3B	X	-59.332	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	.015	2.5
88	MP3C	X	-59.332	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	.015	2.5
91	M33	X	-101.519	1
92	M33	Z	0	1
93	M33	Mx	0	1
94	M33	X	-66.034	1
95	M33	Z	0	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-39.648	3
2	MP1A	Z	-22.891	3
3	MP1A	Mx	.02	3
4	MP1A	X	-39.648	5
5	MP1A	Z	-22.891	5
6	MP1A	Mx	.02	5
7	MP1B	X	-72.934	3
8	MP1B	Z	-42.108	3
9	MP1B	Mx	0	3
10	MP1B	X	-72.934	5
11	MP1B	Z	-42.108	5
12	MP1B	Mx	0	5
13	MP1C	X	-39.648	3
14	MP1C	Z	-22.891	3
15	MP1C	Mx	-.02	3
16	MP1C	X	-39.648	5
17	MP1C	Z	-22.891	5
18	MP1C	Mx	-.02	5
19	MP2A	X	-93.514	1.5
20	MP2A	Z	-53.99	1.5
21	MP2A	Mx	.018	1.5
22	MP2A	X	-93.514	6.5
23	MP2A	Z	-53.99	6.5
24	MP2A	Mx	.018	6.5
25	MP2B	X	-125.384	1.5
26	MP2B	Z	-72.39	1.5
27	MP2B	Mx	.078	1.5
28	MP2B	X	-125.384	6.5
29	MP2B	Z	-72.39	6.5
30	MP2B	Mx	.078	6.5
31	MP2C	X	-93.514	1.5
32	MP2C	Z	-53.99	1.5
33	MP2C	Mx	-.076	1.5
34	MP2C	X	-93.514	6.5
35	MP2C	Z	-53.99	6.5
36	MP2C	Mx	-.076	6.5
37	MP2A	X	-93.514	1.5
38	MP2A	Z	-53.99	1.5
39	MP2A	Mx	.076	1.5
40	MP2A	X	-93.514	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP2A	Z	-53.99	6.5
42	MP2A	Mx	.076	6.5
43	MP2B	X	-125.384	1.5
44	MP2B	Z	-72.39	1.5
45	MP2B	Mx	-.078	1.5
46	MP2B	X	-125.384	6.5
47	MP2B	Z	-72.39	6.5
48	MP2B	Mx	-.078	6.5
49	MP2C	X	-93.514	1.5
50	MP2C	Z	-53.99	1.5
51	MP2C	Mx	-.018	1.5
52	MP2C	X	-93.514	6.5
53	MP2C	Z	-53.99	6.5
54	MP2C	Mx	-.018	6.5
55	MP4A	X	-46.315	2.5
56	MP4A	Z	-26.74	2.5
57	MP4A	Mx	.023	2.5
58	MP4A	X	-46.315	5.5
59	MP4A	Z	-26.74	5.5
60	MP4A	Mx	.023	5.5
61	MP4C	X	-46.315	2.5
62	MP4C	Z	-26.74	2.5
63	MP4C	Mx	-.023	2.5
64	MP4C	X	-46.315	5.5
65	MP4C	Z	-26.74	5.5
66	MP4C	Mx	-.023	5.5
67	MP4B	X	-73.244	2.5
68	MP4B	Z	-42.287	2.5
69	MP4B	Mx	0	2.5
70	MP4B	X	-73.244	5.5
71	MP4B	Z	-42.287	5.5
72	MP4B	Mx	0	5.5
73	MP2A	X	-43.605	2.5
74	MP2A	Z	-25.175	2.5
75	MP2A	Mx	-.022	2.5
76	MP2B	X	-58.037	2.5
77	MP2B	Z	-33.507	2.5
78	MP2B	Mx	0	2.5
79	MP2C	X	-43.605	2.5
80	MP2C	Z	-25.175	2.5
81	MP2C	Mx	.022	2.5
82	MP3A	X	-38.077	2.5
83	MP3A	Z	-21.984	2.5
84	MP3A	Mx	-.019	2.5
85	MP3B	X	-58.037	2.5
86	MP3B	Z	-33.507	2.5
87	MP3B	Mx	0	2.5
88	MP3C	X	-38.077	2.5
89	MP3C	Z	-21.984	2.5
90	MP3C	Mx	.019	2.5
91	M33	X	-107.723	1
92	M33	Z	-62.194	1
93	M33	Mx	0	1
94	M33	X	-70.788	1
95	M33	Z	-40.87	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-35.703	3
2	MP1A	Z	-61.839	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP1A	Mx	.018	3
4	MP1A	X	-35.703	5
5	MP1A	Z	-61.839	5
6	MP1A	Mx	.018	5
7	MP1B	X	-35.703	3
8	MP1B	Z	-61.839	3
9	MP1B	Mx	.018	3
10	MP1B	X	-35.703	5
11	MP1B	Z	-61.839	5
12	MP1B	Mx	.018	5
13	MP1C	X	-16.485	3
14	MP1C	Z	-28.553	3
15	MP1C	Mx	-.016	3
16	MP1C	X	-16.485	5
17	MP1C	Z	-28.553	5
18	MP1C	Mx	-.016	5
19	MP2A	X	-66.257	1.5
20	MP2A	Z	-114.761	1.5
21	MP2A	Mx	-.029	1.5
22	MP2A	X	-66.257	6.5
23	MP2A	Z	-114.761	6.5
24	MP2A	Mx	-.029	6.5
25	MP2B	X	-66.257	1.5
26	MP2B	Z	-114.761	1.5
27	MP2B	Mx	.095	1.5
28	MP2B	X	-66.257	6.5
29	MP2B	Z	-114.761	6.5
30	MP2B	Mx	.095	6.5
31	MP2C	X	-47.857	1.5
32	MP2C	Z	-82.891	1.5
33	MP2C	Mx	-.048	1.5
34	MP2C	X	-47.857	6.5
35	MP2C	Z	-82.891	6.5
36	MP2C	Mx	-.048	6.5
37	MP2A	X	-66.257	1.5
38	MP2A	Z	-114.761	1.5
39	MP2A	Mx	.095	1.5
40	MP2A	X	-66.257	6.5
41	MP2A	Z	-114.761	6.5
42	MP2A	Mx	.095	6.5
43	MP2B	X	-66.257	1.5
44	MP2B	Z	-114.761	1.5
45	MP2B	Mx	-.029	1.5
46	MP2B	X	-66.257	6.5
47	MP2B	Z	-114.761	6.5
48	MP2B	Mx	-.029	6.5
49	MP2C	X	-47.857	1.5
50	MP2C	Z	-82.891	1.5
51	MP2C	Mx	-.048	1.5
52	MP2C	X	-47.857	6.5
53	MP2C	Z	-82.891	6.5
54	MP2C	Mx	-.048	6.5
55	MP4A	X	-30.176	2.5
56	MP4A	Z	-52.267	2.5
57	MP4A	Mx	.015	2.5
58	MP4A	X	-30.176	5.5
59	MP4A	Z	-52.267	5.5
60	MP4A	Mx	.015	5.5
61	MP4C	X	-25.021	2.5
62	MP4C	Z	-43.338	2.5
63	MP4C	Mx	-.025	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP4C	X	-25.021	5.5
65	MP4C	Z	-43.338	5.5
66	MP4C	Mx	-.025	5.5
67	MP4B	X	-37.181	2.5
68	MP4B	Z	-64.4	2.5
69	MP4B	Mx	.019	2.5
70	MP4B	X	-37.181	5.5
71	MP4B	Z	-64.4	5.5
72	MP4B	Mx	.019	5.5
73	MP2A	X	-30.73	2.5
74	MP2A	Z	-53.226	2.5
75	MP2A	Mx	-.015	2.5
76	MP2B	X	-30.73	2.5
77	MP2B	Z	-53.226	2.5
78	MP2B	Mx	-.015	2.5
79	MP2C	X	-22.398	2.5
80	MP2C	Z	-38.794	2.5
81	MP2C	Mx	.022	2.5
82	MP3A	X	-29.666	2.5
83	MP3A	Z	-51.383	2.5
84	MP3A	Mx	-.015	2.5
85	MP3B	X	-29.666	2.5
86	MP3B	Z	-51.383	2.5
87	MP3B	Mx	-.015	2.5
88	MP3C	X	-18.142	2.5
89	MP3C	Z	-31.424	2.5
90	MP3C	Mx	.018	2.5
91	M33	X	-67.911	1
92	M33	Z	-117.625	1
93	M33	Mx	0	1
94	M33	X	-44.796	1
95	M33	Z	-77.589	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	3
2	MP1A	Z	-18.586	3
3	MP1A	Mx	0	3
4	MP1A	X	0	5
5	MP1A	Z	-18.586	5
6	MP1A	Mx	0	5
7	MP1B	X	0	3
8	MP1B	Z	-10.802	3
9	MP1B	Mx	.005	3
10	MP1B	X	0	5
11	MP1B	Z	-10.802	5
12	MP1B	Mx	.005	5
13	MP1C	X	0	3
14	MP1C	Z	-10.802	3
15	MP1C	Mx	-.005	3
16	MP1C	X	0	5
17	MP1C	Z	-10.802	5
18	MP1C	Mx	-.005	5
19	MP2A	X	0	1.5
20	MP2A	Z	-30.947	1.5
21	MP2A	Mx	-.017	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	-30.947	6.5
24	MP2A	Mx	-.017	6.5
25	MP2B	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2B	Z	-24.012	1.5
27	MP2B	Mx	.017	1.5
28	MP2B	X	0	6.5
29	MP2B	Z	-24.012	6.5
30	MP2B	Mx	.017	6.5
31	MP2C	X	0	1.5
32	MP2C	Z	-24.012	1.5
33	MP2C	Mx	-.004	1.5
34	MP2C	X	0	6.5
35	MP2C	Z	-24.012	6.5
36	MP2C	Mx	-.004	6.5
37	MP2A	X	0	1.5
38	MP2A	Z	-30.947	1.5
39	MP2A	Mx	.017	1.5
40	MP2A	X	0	6.5
41	MP2A	Z	-30.947	6.5
42	MP2A	Mx	.017	6.5
43	MP2B	X	0	1.5
44	MP2B	Z	-24.012	1.5
45	MP2B	Mx	.004	1.5
46	MP2B	X	0	6.5
47	MP2B	Z	-24.012	6.5
48	MP2B	Mx	.004	6.5
49	MP2C	X	0	1.5
50	MP2C	Z	-24.012	1.5
51	MP2C	Mx	-.017	1.5
52	MP2C	X	0	6.5
53	MP2C	Z	-24.012	6.5
54	MP2C	Mx	-.017	6.5
55	MP4A	X	0	2.5
56	MP4A	Z	-14.658	2.5
57	MP4A	Mx	0	2.5
58	MP4A	X	0	5.5
59	MP4A	Z	-14.658	5.5
60	MP4A	Mx	0	5.5
61	MP4C	X	0	2.5
62	MP4C	Z	-12.636	2.5
63	MP4C	Mx	-.005	2.5
64	MP4C	X	0	5.5
65	MP4C	Z	-12.636	5.5
66	MP4C	Mx	-.005	5.5
67	MP4B	X	0	2.5
68	MP4B	Z	-12.745	2.5
69	MP4B	Mx	.006	2.5
70	MP4B	X	0	5.5
71	MP4B	Z	-12.745	5.5
72	MP4B	Mx	.006	5.5
73	MP2A	X	0	2.5
74	MP2A	Z	-16.038	2.5
75	MP2A	Mx	0	2.5
76	MP2B	X	0	2.5
77	MP2B	Z	-12.517	2.5
78	MP2B	Mx	-.005	2.5
79	MP2C	X	0	2.5
80	MP2C	Z	-12.517	2.5
81	MP2C	Mx	.005	2.5
82	MP3A	X	0	2.5
83	MP3A	Z	-16.038	2.5
84	MP3A	Mx	0	2.5
85	MP3B	X	0	2.5
86	MP3B	Z	-11.179	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP3B	Mx	-.005	2.5
88	MP3C	X	0	2.5
89	MP3C	Z	-11.179	2.5
90	MP3C	Mx	.005	2.5
91	M33	X	0	1
92	M33	Z	-28.048	1
93	M33	Mx	0	1
94	M33	X	0	1
95	M33	Z	-19.101	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	7.996	3
2	MP1A	Z	-13.849	3
3	MP1A	Mx	-.004	3
4	MP1A	X	7.996	5
5	MP1A	Z	-13.849	5
6	MP1A	Mx	-.004	5
7	MP1B	X	4.103	3
8	MP1B	Z	-7.107	3
9	MP1B	Mx	.004	3
10	MP1B	X	4.103	5
11	MP1B	Z	-7.107	5
12	MP1B	Mx	.004	5
13	MP1C	X	7.996	3
14	MP1C	Z	-13.849	3
15	MP1C	Mx	-.004	3
16	MP1C	X	7.996	5
17	MP1C	Z	-13.849	5
18	MP1C	Mx	-.004	5
19	MP2A	X	14.317	1.5
20	MP2A	Z	-24.799	1.5
21	MP2A	Mx	-.021	1.5
22	MP2A	X	14.317	6.5
23	MP2A	Z	-24.799	6.5
24	MP2A	Mx	-.021	6.5
25	MP2B	X	10.85	1.5
26	MP2B	Z	-18.793	1.5
27	MP2B	Mx	.011	1.5
28	MP2B	X	10.85	6.5
29	MP2B	Z	-18.793	6.5
30	MP2B	Mx	.011	6.5
31	MP2C	X	14.317	1.5
32	MP2C	Z	-24.799	1.5
33	MP2C	Mx	.006	1.5
34	MP2C	X	14.317	6.5
35	MP2C	Z	-24.799	6.5
36	MP2C	Mx	.006	6.5
37	MP2A	X	14.317	1.5
38	MP2A	Z	-24.799	1.5
39	MP2A	Mx	.006	1.5
40	MP2A	X	14.317	6.5
41	MP2A	Z	-24.799	6.5
42	MP2A	Mx	.006	6.5
43	MP2B	X	10.85	1.5
44	MP2B	Z	-18.793	1.5
45	MP2B	Mx	.011	1.5
46	MP2B	X	10.85	6.5
47	MP2B	Z	-18.793	6.5
48	MP2B	Mx	.011	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP2C	X	14.317	1.5
50	MP2C	Z	-24.799	1.5
51	MP2C	Mx	-.021	1.5
52	MP2C	X	14.317	6.5
53	MP2C	Z	-24.799	6.5
54	MP2C	Mx	-.021	6.5
55	MP4A	X	6.992	2.5
56	MP4A	Z	-12.11	2.5
57	MP4A	Mx	-.003	2.5
58	MP4A	X	6.992	5.5
59	MP4A	Z	-12.11	5.5
60	MP4A	Mx	-.003	5.5
61	MP4C	X	6.992	2.5
62	MP4C	Z	-12.11	2.5
63	MP4C	Mx	-.003	2.5
64	MP4C	X	6.992	5.5
65	MP4C	Z	-12.11	5.5
66	MP4C	Mx	-.003	5.5
67	MP4B	X	5.384	2.5
68	MP4B	Z	-9.325	2.5
69	MP4B	Mx	.005	2.5
70	MP4B	X	5.384	5.5
71	MP4B	Z	-9.325	5.5
72	MP4B	Mx	.005	5.5
73	MP2A	X	7.432	2.5
74	MP2A	Z	-12.873	2.5
75	MP2A	Mx	.004	2.5
76	MP2B	X	5.671	2.5
77	MP2B	Z	-9.823	2.5
78	MP2B	Mx	-.006	2.5
79	MP2C	X	7.432	2.5
80	MP2C	Z	-12.873	2.5
81	MP2C	Mx	.004	2.5
82	MP3A	X	7.209	2.5
83	MP3A	Z	-12.487	2.5
84	MP3A	Mx	.004	2.5
85	MP3B	X	4.779	2.5
86	MP3B	Z	-8.278	2.5
87	MP3B	Mx	-.005	2.5
88	MP3C	X	7.209	2.5
89	MP3C	Z	-12.487	2.5
90	MP3C	Mx	.004	2.5
91	M33	X	11.705	1
92	M33	Z	-20.273	1
93	M33	Mx	0	1
94	M33	X	7.946	1
95	M33	Z	-13.763	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.354	3
2	MP1A	Z	-5.401	3
3	MP1A	Mx	-.005	3
4	MP1A	X	9.354	5
5	MP1A	Z	-5.401	5
6	MP1A	Mx	-.005	5
7	MP1B	X	9.354	3
8	MP1B	Z	-5.401	3
9	MP1B	Mx	.005	3
10	MP1B	X	9.354	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	Z	-5.401	5
12	MP1B	Mx	.005	5
13	MP1C	X	16.096	3
14	MP1C	Z	-9.293	3
15	MP1C	Mx	0	3
16	MP1C	X	16.096	5
17	MP1C	Z	-9.293	5
18	MP1C	Mx	0	5
19	MP2A	X	20.795	1.5
20	MP2A	Z	-12.006	1.5
21	MP2A	Mx	-.017	1.5
22	MP2A	X	20.795	6.5
23	MP2A	Z	-12.006	6.5
24	MP2A	Mx	-.017	6.5
25	MP2B	X	20.795	1.5
26	MP2B	Z	-12.006	1.5
27	MP2B	Mx	.004	1.5
28	MP2B	X	20.795	6.5
29	MP2B	Z	-12.006	6.5
30	MP2B	Mx	.004	6.5
31	MP2C	X	26.8	1.5
32	MP2C	Z	-15.473	1.5
33	MP2C	Mx	.017	1.5
34	MP2C	X	26.8	6.5
35	MP2C	Z	-15.473	6.5
36	MP2C	Mx	.017	6.5
37	MP2A	X	20.795	1.5
38	MP2A	Z	-12.006	1.5
39	MP2A	Mx	-.004	1.5
40	MP2A	X	20.795	6.5
41	MP2A	Z	-12.006	6.5
42	MP2A	Mx	-.004	6.5
43	MP2B	X	20.795	1.5
44	MP2B	Z	-12.006	1.5
45	MP2B	Mx	.017	1.5
46	MP2B	X	20.795	6.5
47	MP2B	Z	-12.006	6.5
48	MP2B	Mx	.017	6.5
49	MP2C	X	26.8	1.5
50	MP2C	Z	-15.473	1.5
51	MP2C	Mx	-.017	1.5
52	MP2C	X	26.8	6.5
53	MP2C	Z	-15.473	6.5
54	MP2C	Mx	-.017	6.5
55	MP4A	X	10.943	2.5
56	MP4A	Z	-6.318	2.5
57	MP4A	Mx	-.005	2.5
58	MP4A	X	10.943	5.5
59	MP4A	Z	-6.318	5.5
60	MP4A	Mx	-.005	5.5
61	MP4C	X	12.694	2.5
62	MP4C	Z	-7.329	2.5
63	MP4C	Mx	0	2.5
64	MP4C	X	12.694	5.5
65	MP4C	Z	-7.329	5.5
66	MP4C	Mx	0	5.5
67	MP4B	X	11.038	2.5
68	MP4B	Z	-6.373	2.5
69	MP4B	Mx	.006	2.5
70	MP4B	X	11.038	5.5
71	MP4B	Z	-6.373	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP4B	Mx	.006	5.5
73	MP2A	X	10.84	2.5
74	MP2A	Z	-6.258	2.5
75	MP2A	Mx	.005	2.5
76	MP2B	X	10.84	2.5
77	MP2B	Z	-6.258	2.5
78	MP2B	Mx	-.005	2.5
79	MP2C	X	13.889	2.5
80	MP2C	Z	-8.019	2.5
81	MP2C	Mx	0	2.5
82	MP3A	X	9.681	2.5
83	MP3A	Z	-5.589	2.5
84	MP3A	Mx	.005	2.5
85	MP3B	X	9.681	2.5
86	MP3B	Z	-5.589	2.5
87	MP3B	Mx	-.005	2.5
88	MP3C	X	13.889	2.5
89	MP3C	Z	-8.019	2.5
90	MP3C	Mx	0	2.5
91	M33	X	18.264	1
92	M33	Z	-10.545	1
93	M33	Mx	0	1
94	M33	X	12.374	1
95	M33	Z	-7.144	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.207	3
2	MP1A	Z	0	3
3	MP1A	Mx	-.004	3
4	MP1A	X	8.207	5
5	MP1A	Z	0	5
6	MP1A	Mx	-.004	5
7	MP1B	X	15.991	3
8	MP1B	Z	0	3
9	MP1B	Mx	.004	3
10	MP1B	X	15.991	5
11	MP1B	Z	0	5
12	MP1B	Mx	.004	5
13	MP1C	X	15.991	3
14	MP1C	Z	0	3
15	MP1C	Mx	.004	3
16	MP1C	X	15.991	5
17	MP1C	Z	0	5
18	MP1C	Mx	.004	5
19	MP2A	X	21.7	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.011	1.5
22	MP2A	X	21.7	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	-.011	6.5
25	MP2B	X	28.635	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	-.006	1.5
28	MP2B	X	28.635	6.5
29	MP2B	Z	0	6.5
30	MP2B	Mx	-.006	6.5
31	MP2C	X	28.635	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	.021	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2C	X	28.635	6.5
35	MP2C	Z	0	6.5
36	MP2C	Mx	.021	6.5
37	MP2A	X	21.7	1.5
38	MP2A	Z	0	1.5
39	MP2A	Mx	-.011	1.5
40	MP2A	X	21.7	6.5
41	MP2A	Z	0	6.5
42	MP2A	Mx	-.011	6.5
43	MP2B	X	28.635	1.5
44	MP2B	Z	0	1.5
45	MP2B	Mx	.021	1.5
46	MP2B	X	28.635	6.5
47	MP2B	Z	0	6.5
48	MP2B	Mx	.021	6.5
49	MP2C	X	28.635	1.5
50	MP2C	Z	0	1.5
51	MP2C	Mx	-.006	1.5
52	MP2C	X	28.635	6.5
53	MP2C	Z	0	6.5
54	MP2C	Mx	-.006	6.5
55	MP4A	X	11.961	2.5
56	MP4A	Z	0	2.5
57	MP4A	Mx	-.006	2.5
58	MP4A	X	11.961	5.5
59	MP4A	Z	0	5.5
60	MP4A	Mx	-.006	5.5
61	MP4C	X	13.984	2.5
62	MP4C	Z	0	2.5
63	MP4C	Mx	.003	2.5
64	MP4C	X	13.984	5.5
65	MP4C	Z	0	5.5
66	MP4C	Mx	.003	5.5
67	MP4B	X	16.701	2.5
68	MP4B	Z	0	2.5
69	MP4B	Mx	.004	2.5
70	MP4B	X	16.701	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	.004	5.5
73	MP2A	X	11.343	2.5
74	MP2A	Z	0	2.5
75	MP2A	Mx	.006	2.5
76	MP2B	X	14.864	2.5
77	MP2B	Z	0	2.5
78	MP2B	Mx	-.004	2.5
79	MP2C	X	14.864	2.5
80	MP2C	Z	0	2.5
81	MP2C	Mx	-.004	2.5
82	MP3A	X	9.559	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	.005	2.5
85	MP3B	X	14.418	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	-.004	2.5
88	MP3C	X	14.418	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	-.004	2.5
91	M33	X	23.409	1
92	M33	Z	0	1
93	M33	Mx	0	1
94	M33	X	15.893	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	M33	Z	0	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.354	3
2	MP1A	Z	5.401	3
3	MP1A	Mx	-.005	3
4	MP1A	X	9.354	5
5	MP1A	Z	5.401	5
6	MP1A	Mx	-.005	5
7	MP1B	X	16.096	3
8	MP1B	Z	9.293	3
9	MP1B	Mx	0	3
10	MP1B	X	16.096	5
11	MP1B	Z	9.293	5
12	MP1B	Mx	0	5
13	MP1C	X	9.354	3
14	MP1C	Z	5.401	3
15	MP1C	Mx	.005	3
16	MP1C	X	9.354	5
17	MP1C	Z	5.401	5
18	MP1C	Mx	.005	5
19	MP2A	X	20.795	1.5
20	MP2A	Z	12.006	1.5
21	MP2A	Mx	-.004	1.5
22	MP2A	X	20.795	6.5
23	MP2A	Z	12.006	6.5
24	MP2A	Mx	-.004	6.5
25	MP2B	X	26.8	1.5
26	MP2B	Z	15.473	1.5
27	MP2B	Mx	-.017	1.5
28	MP2B	X	26.8	6.5
29	MP2B	Z	15.473	6.5
30	MP2B	Mx	-.017	6.5
31	MP2C	X	20.795	1.5
32	MP2C	Z	12.006	1.5
33	MP2C	Mx	.017	1.5
34	MP2C	X	20.795	6.5
35	MP2C	Z	12.006	6.5
36	MP2C	Mx	.017	6.5
37	MP2A	X	20.795	1.5
38	MP2A	Z	12.006	1.5
39	MP2A	Mx	-.017	1.5
40	MP2A	X	20.795	6.5
41	MP2A	Z	12.006	6.5
42	MP2A	Mx	-.017	6.5
43	MP2B	X	26.8	1.5
44	MP2B	Z	15.473	1.5
45	MP2B	Mx	.017	1.5
46	MP2B	X	26.8	6.5
47	MP2B	Z	15.473	6.5
48	MP2B	Mx	.017	6.5
49	MP2C	X	20.795	1.5
50	MP2C	Z	12.006	1.5
51	MP2C	Mx	.004	1.5
52	MP2C	X	20.795	6.5
53	MP2C	Z	12.006	6.5
54	MP2C	Mx	.004	6.5
55	MP4A	X	10.943	2.5
56	MP4A	Z	6.318	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP4A	Mx	-.005	2.5
58	MP4A	X	10.943	5.5
59	MP4A	Z	6.318	5.5
60	MP4A	Mx	-.005	5.5
61	MP4C	X	10.943	2.5
62	MP4C	Z	6.318	2.5
63	MP4C	Mx	.005	2.5
64	MP4C	X	10.943	5.5
65	MP4C	Z	6.318	5.5
66	MP4C	Mx	.005	5.5
67	MP4B	X	16.177	2.5
68	MP4B	Z	9.34	2.5
69	MP4B	Mx	0	2.5
70	MP4B	X	16.177	5.5
71	MP4B	Z	9.34	5.5
72	MP4B	Mx	0	5.5
73	MP2A	X	10.84	2.5
74	MP2A	Z	6.258	2.5
75	MP2A	Mx	.005	2.5
76	MP2B	X	13.889	2.5
77	MP2B	Z	8.019	2.5
78	MP2B	Mx	0	2.5
79	MP2C	X	10.84	2.5
80	MP2C	Z	6.258	2.5
81	MP2C	Mx	-.005	2.5
82	MP3A	X	9.681	2.5
83	MP3A	Z	5.589	2.5
84	MP3A	Mx	.005	2.5
85	MP3B	X	13.889	2.5
86	MP3B	Z	8.019	2.5
87	MP3B	Mx	0	2.5
88	MP3C	X	9.681	2.5
89	MP3C	Z	5.589	2.5
90	MP3C	Mx	-.005	2.5
91	M33	X	24.291	1
92	M33	Z	14.024	1
93	M33	Mx	0	1
94	M33	X	16.542	1
95	M33	Z	9.55	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	7.996	3
2	MP1A	Z	13.849	3
3	MP1A	Mx	-.004	3
4	MP1A	X	7.996	5
5	MP1A	Z	13.849	5
6	MP1A	Mx	-.004	5
7	MP1B	X	7.996	3
8	MP1B	Z	13.849	3
9	MP1B	Mx	-.004	3
10	MP1B	X	7.996	5
11	MP1B	Z	13.849	5
12	MP1B	Mx	-.004	5
13	MP1C	X	4.103	3
14	MP1C	Z	7.107	3
15	MP1C	Mx	.004	3
16	MP1C	X	4.103	5
17	MP1C	Z	7.107	5
18	MP1C	Mx	.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	14.317	1.5
20	MP2A	Z	24.799	1.5
21	MP2A	Mx	.006	1.5
22	MP2A	X	14.317	6.5
23	MP2A	Z	24.799	6.5
24	MP2A	Mx	.006	6.5
25	MP2B	X	14.317	1.5
26	MP2B	Z	24.799	1.5
27	MP2B	Mx	-.021	1.5
28	MP2B	X	14.317	6.5
29	MP2B	Z	24.799	6.5
30	MP2B	Mx	-.021	6.5
31	MP2C	X	10.85	1.5
32	MP2C	Z	18.793	1.5
33	MP2C	Mx	.011	1.5
34	MP2C	X	10.85	6.5
35	MP2C	Z	18.793	6.5
36	MP2C	Mx	.011	6.5
37	MP2A	X	14.317	1.5
38	MP2A	Z	24.799	1.5
39	MP2A	Mx	-.021	1.5
40	MP2A	X	14.317	6.5
41	MP2A	Z	24.799	6.5
42	MP2A	Mx	-.021	6.5
43	MP2B	X	14.317	1.5
44	MP2B	Z	24.799	1.5
45	MP2B	Mx	.006	1.5
46	MP2B	X	14.317	6.5
47	MP2B	Z	24.799	6.5
48	MP2B	Mx	.006	6.5
49	MP2C	X	10.85	1.5
50	MP2C	Z	18.793	1.5
51	MP2C	Mx	.011	1.5
52	MP2C	X	10.85	6.5
53	MP2C	Z	18.793	6.5
54	MP2C	Mx	.011	6.5
55	MP4A	X	6.992	2.5
56	MP4A	Z	12.11	2.5
57	MP4A	Mx	-.003	2.5
58	MP4A	X	6.992	5.5
59	MP4A	Z	12.11	5.5
60	MP4A	Mx	-.003	5.5
61	MP4C	X	5.981	2.5
62	MP4C	Z	10.359	2.5
63	MP4C	Mx	.006	2.5
64	MP4C	X	5.981	5.5
65	MP4C	Z	10.359	5.5
66	MP4C	Mx	.006	5.5
67	MP4B	X	8.351	2.5
68	MP4B	Z	14.464	2.5
69	MP4B	Mx	-.004	2.5
70	MP4B	X	8.351	5.5
71	MP4B	Z	14.464	5.5
72	MP4B	Mx	-.004	5.5
73	MP2A	X	7.432	2.5
74	MP2A	Z	12.873	2.5
75	MP2A	Mx	.004	2.5
76	MP2B	X	7.432	2.5
77	MP2B	Z	12.873	2.5
78	MP2B	Mx	.004	2.5
79	MP2C	X	5.671	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2C	Z	9.823	2.5
81	MP2C	Mx	-.006	2.5
82	MP3A	X	7.209	2.5
83	MP3A	Z	12.487	2.5
84	MP3A	Mx	.004	2.5
85	MP3B	X	7.209	2.5
86	MP3B	Z	12.487	2.5
87	MP3B	Mx	.004	2.5
88	MP3C	X	4.779	2.5
89	MP3C	Z	8.278	2.5
90	MP3C	Mx	-.005	2.5
91	M33	X	15.184	1
92	M33	Z	26.299	1
93	M33	Mx	0	1
94	M33	X	10.352	1
95	M33	Z	17.931	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	3
2	MP1A	Z	18.586	3
3	MP1A	Mx	0	3
4	MP1A	X	0	5
5	MP1A	Z	18.586	5
6	MP1A	Mx	0	5
7	MP1B	X	0	3
8	MP1B	Z	10.802	3
9	MP1B	Mx	-.005	3
10	MP1B	X	0	5
11	MP1B	Z	10.802	5
12	MP1B	Mx	-.005	5
13	MP1C	X	0	3
14	MP1C	Z	10.802	3
15	MP1C	Mx	.005	3
16	MP1C	X	0	5
17	MP1C	Z	10.802	5
18	MP1C	Mx	.005	5
19	MP2A	X	0	1.5
20	MP2A	Z	30.947	1.5
21	MP2A	Mx	.017	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	30.947	6.5
24	MP2A	Mx	.017	6.5
25	MP2B	X	0	1.5
26	MP2B	Z	24.012	1.5
27	MP2B	Mx	-.017	1.5
28	MP2B	X	0	6.5
29	MP2B	Z	24.012	6.5
30	MP2B	Mx	-.017	6.5
31	MP2C	X	0	1.5
32	MP2C	Z	24.012	1.5
33	MP2C	Mx	.004	1.5
34	MP2C	X	0	6.5
35	MP2C	Z	24.012	6.5
36	MP2C	Mx	.004	6.5
37	MP2A	X	0	1.5
38	MP2A	Z	30.947	1.5
39	MP2A	Mx	-.017	1.5
40	MP2A	X	0	6.5
41	MP2A	Z	30.947	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP2A	Mx	-.017	6.5
43	MP2B	X	0	1.5
44	MP2B	Z	24.012	1.5
45	MP2B	Mx	-.004	1.5
46	MP2B	X	0	6.5
47	MP2B	Z	24.012	6.5
48	MP2B	Mx	-.004	6.5
49	MP2C	X	0	1.5
50	MP2C	Z	24.012	1.5
51	MP2C	Mx	.017	1.5
52	MP2C	X	0	6.5
53	MP2C	Z	24.012	6.5
54	MP2C	Mx	.017	6.5
55	MP4A	X	0	2.5
56	MP4A	Z	14.658	2.5
57	MP4A	Mx	0	2.5
58	MP4A	X	0	5.5
59	MP4A	Z	14.658	5.5
60	MP4A	Mx	0	5.5
61	MP4C	X	0	2.5
62	MP4C	Z	12.636	2.5
63	MP4C	Mx	.005	2.5
64	MP4C	X	0	5.5
65	MP4C	Z	12.636	5.5
66	MP4C	Mx	.005	5.5
67	MP4B	X	0	2.5
68	MP4B	Z	12.745	2.5
69	MP4B	Mx	-.006	2.5
70	MP4B	X	0	5.5
71	MP4B	Z	12.745	5.5
72	MP4B	Mx	-.006	5.5
73	MP2A	X	0	2.5
74	MP2A	Z	16.038	2.5
75	MP2A	Mx	0	2.5
76	MP2B	X	0	2.5
77	MP2B	Z	12.517	2.5
78	MP2B	Mx	.005	2.5
79	MP2C	X	0	2.5
80	MP2C	Z	12.517	2.5
81	MP2C	Mx	-.005	2.5
82	MP3A	X	0	2.5
83	MP3A	Z	16.038	2.5
84	MP3A	Mx	0	2.5
85	MP3B	X	0	2.5
86	MP3B	Z	11.179	2.5
87	MP3B	Mx	.005	2.5
88	MP3C	X	0	2.5
89	MP3C	Z	11.179	2.5
90	MP3C	Mx	-.005	2.5
91	M33	X	0	1
92	M33	Z	28.048	1
93	M33	Mx	0	1
94	M33	X	0	1
95	M33	Z	19.101	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-7.996	3
2	MP1A	Z	13.849	3
3	MP1A	Mx	.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	-7.996	5
5	MP1A	Z	13.849	5
6	MP1A	Mx	.004	5
7	MP1B	X	-4.103	3
8	MP1B	Z	7.107	3
9	MP1B	Mx	-.004	3
10	MP1B	X	-4.103	5
11	MP1B	Z	7.107	5
12	MP1B	Mx	-.004	5
13	MP1C	X	-7.996	3
14	MP1C	Z	13.849	3
15	MP1C	Mx	.004	3
16	MP1C	X	-7.996	5
17	MP1C	Z	13.849	5
18	MP1C	Mx	.004	5
19	MP2A	X	-14.317	1.5
20	MP2A	Z	24.799	1.5
21	MP2A	Mx	.021	1.5
22	MP2A	X	-14.317	6.5
23	MP2A	Z	24.799	6.5
24	MP2A	Mx	.021	6.5
25	MP2B	X	-10.85	1.5
26	MP2B	Z	18.793	1.5
27	MP2B	Mx	-.011	1.5
28	MP2B	X	-10.85	6.5
29	MP2B	Z	18.793	6.5
30	MP2B	Mx	-.011	6.5
31	MP2C	X	-14.317	1.5
32	MP2C	Z	24.799	1.5
33	MP2C	Mx	-.006	1.5
34	MP2C	X	-14.317	6.5
35	MP2C	Z	24.799	6.5
36	MP2C	Mx	-.006	6.5
37	MP2A	X	-14.317	1.5
38	MP2A	Z	24.799	1.5
39	MP2A	Mx	-.006	1.5
40	MP2A	X	-14.317	6.5
41	MP2A	Z	24.799	6.5
42	MP2A	Mx	-.006	6.5
43	MP2B	X	-10.85	1.5
44	MP2B	Z	18.793	1.5
45	MP2B	Mx	-.011	1.5
46	MP2B	X	-10.85	6.5
47	MP2B	Z	18.793	6.5
48	MP2B	Mx	-.011	6.5
49	MP2C	X	-14.317	1.5
50	MP2C	Z	24.799	1.5
51	MP2C	Mx	.021	1.5
52	MP2C	X	-14.317	6.5
53	MP2C	Z	24.799	6.5
54	MP2C	Mx	.021	6.5
55	MP4A	X	-6.992	2.5
56	MP4A	Z	12.11	2.5
57	MP4A	Mx	.003	2.5
58	MP4A	X	-6.992	5.5
59	MP4A	Z	12.11	5.5
60	MP4A	Mx	.003	5.5
61	MP4C	X	-6.992	2.5
62	MP4C	Z	12.11	2.5
63	MP4C	Mx	.003	2.5
64	MP4C	X	-6.992	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP4C	Z	12.11	5.5
66	MP4C	Mx	.003	5.5
67	MP4B	X	-5.384	2.5
68	MP4B	Z	9.325	2.5
69	MP4B	Mx	-.005	2.5
70	MP4B	X	-5.384	5.5
71	MP4B	Z	9.325	5.5
72	MP4B	Mx	-.005	5.5
73	MP2A	X	-7.432	2.5
74	MP2A	Z	12.873	2.5
75	MP2A	Mx	-.004	2.5
76	MP2B	X	-5.671	2.5
77	MP2B	Z	9.823	2.5
78	MP2B	Mx	.006	2.5
79	MP2C	X	-7.432	2.5
80	MP2C	Z	12.873	2.5
81	MP2C	Mx	-.004	2.5
82	MP3A	X	-7.209	2.5
83	MP3A	Z	12.487	2.5
84	MP3A	Mx	-.004	2.5
85	MP3B	X	-4.779	2.5
86	MP3B	Z	8.278	2.5
87	MP3B	Mx	.005	2.5
88	MP3C	X	-7.209	2.5
89	MP3C	Z	12.487	2.5
90	MP3C	Mx	-.004	2.5
91	M33	X	-11.705	1
92	M33	Z	20.273	1
93	M33	Mx	0	1
94	M33	X	-7.946	1
95	M33	Z	13.763	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.354	3
2	MP1A	Z	5.401	3
3	MP1A	Mx	.005	3
4	MP1A	X	-9.354	5
5	MP1A	Z	5.401	5
6	MP1A	Mx	.005	5
7	MP1B	X	-9.354	3
8	MP1B	Z	5.401	3
9	MP1B	Mx	-.005	3
10	MP1B	X	-9.354	5
11	MP1B	Z	5.401	5
12	MP1B	Mx	-.005	5
13	MP1C	X	-16.096	3
14	MP1C	Z	9.293	3
15	MP1C	Mx	0	3
16	MP1C	X	-16.096	5
17	MP1C	Z	9.293	5
18	MP1C	Mx	0	5
19	MP2A	X	-20.795	1.5
20	MP2A	Z	12.006	1.5
21	MP2A	Mx	.017	1.5
22	MP2A	X	-20.795	6.5
23	MP2A	Z	12.006	6.5
24	MP2A	Mx	.017	6.5
25	MP2B	X	-20.795	1.5
26	MP2B	Z	12.006	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	-.004	1.5
28	MP2B	X	-20.795	6.5
29	MP2B	Z	12.006	6.5
30	MP2B	Mx	-.004	6.5
31	MP2C	X	-26.8	1.5
32	MP2C	Z	15.473	1.5
33	MP2C	Mx	-.017	1.5
34	MP2C	X	-26.8	6.5
35	MP2C	Z	15.473	6.5
36	MP2C	Mx	-.017	6.5
37	MP2A	X	-20.795	1.5
38	MP2A	Z	12.006	1.5
39	MP2A	Mx	.004	1.5
40	MP2A	X	-20.795	6.5
41	MP2A	Z	12.006	6.5
42	MP2A	Mx	.004	6.5
43	MP2B	X	-20.795	1.5
44	MP2B	Z	12.006	1.5
45	MP2B	Mx	-.017	1.5
46	MP2B	X	-20.795	6.5
47	MP2B	Z	12.006	6.5
48	MP2B	Mx	-.017	6.5
49	MP2C	X	-26.8	1.5
50	MP2C	Z	15.473	1.5
51	MP2C	Mx	.017	1.5
52	MP2C	X	-26.8	6.5
53	MP2C	Z	15.473	6.5
54	MP2C	Mx	.017	6.5
55	MP4A	X	-10.943	2.5
56	MP4A	Z	6.318	2.5
57	MP4A	Mx	.005	2.5
58	MP4A	X	-10.943	5.5
59	MP4A	Z	6.318	5.5
60	MP4A	Mx	.005	5.5
61	MP4C	X	-12.694	2.5
62	MP4C	Z	7.329	2.5
63	MP4C	Mx	0	2.5
64	MP4C	X	-12.694	5.5
65	MP4C	Z	7.329	5.5
66	MP4C	Mx	0	5.5
67	MP4B	X	-11.038	2.5
68	MP4B	Z	6.373	2.5
69	MP4B	Mx	-.006	2.5
70	MP4B	X	-11.038	5.5
71	MP4B	Z	6.373	5.5
72	MP4B	Mx	-.006	5.5
73	MP2A	X	-10.84	2.5
74	MP2A	Z	6.258	2.5
75	MP2A	Mx	-.005	2.5
76	MP2B	X	-10.84	2.5
77	MP2B	Z	6.258	2.5
78	MP2B	Mx	.005	2.5
79	MP2C	X	-13.889	2.5
80	MP2C	Z	8.019	2.5
81	MP2C	Mx	0	2.5
82	MP3A	X	-9.681	2.5
83	MP3A	Z	5.589	2.5
84	MP3A	Mx	-.005	2.5
85	MP3B	X	-9.681	2.5
86	MP3B	Z	5.589	2.5
87	MP3B	Mx	.005	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP3C	X	-13.889	2.5
89	MP3C	Z	8.019	2.5
90	MP3C	Mx	0	2.5
91	M33	X	-18.264	1
92	M33	Z	10.545	1
93	M33	Mx	0	1
94	M33	X	-12.374	1
95	M33	Z	7.144	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.207	3
2	MP1A	Z	0	3
3	MP1A	Mx	.004	3
4	MP1A	X	-8.207	5
5	MP1A	Z	0	5
6	MP1A	Mx	.004	5
7	MP1B	X	-15.991	3
8	MP1B	Z	0	3
9	MP1B	Mx	-.004	3
10	MP1B	X	-15.991	5
11	MP1B	Z	0	5
12	MP1B	Mx	-.004	5
13	MP1C	X	-15.991	3
14	MP1C	Z	0	3
15	MP1C	Mx	-.004	3
16	MP1C	X	-15.991	5
17	MP1C	Z	0	5
18	MP1C	Mx	-.004	5
19	MP2A	X	-21.7	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.011	1.5
22	MP2A	X	-21.7	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	.011	6.5
25	MP2B	X	-28.635	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	.006	1.5
28	MP2B	X	-28.635	6.5
29	MP2B	Z	0	6.5
30	MP2B	Mx	.006	6.5
31	MP2C	X	-28.635	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	-.021	1.5
34	MP2C	X	-28.635	6.5
35	MP2C	Z	0	6.5
36	MP2C	Mx	-.021	6.5
37	MP2A	X	-21.7	1.5
38	MP2A	Z	0	1.5
39	MP2A	Mx	.011	1.5
40	MP2A	X	-21.7	6.5
41	MP2A	Z	0	6.5
42	MP2A	Mx	.011	6.5
43	MP2B	X	-28.635	1.5
44	MP2B	Z	0	1.5
45	MP2B	Mx	-.021	1.5
46	MP2B	X	-28.635	6.5
47	MP2B	Z	0	6.5
48	MP2B	Mx	-.021	6.5
49	MP2C	X	-28.635	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP2C	Z	0	1.5
51	MP2C	Mx	.006	1.5
52	MP2C	X	-28.635	6.5
53	MP2C	Z	0	6.5
54	MP2C	Mx	.006	6.5
55	MP4A	X	-11.961	2.5
56	MP4A	Z	0	2.5
57	MP4A	Mx	.006	2.5
58	MP4A	X	-11.961	5.5
59	MP4A	Z	0	5.5
60	MP4A	Mx	.006	5.5
61	MP4C	X	-13.984	2.5
62	MP4C	Z	0	2.5
63	MP4C	Mx	-.003	2.5
64	MP4C	X	-13.984	5.5
65	MP4C	Z	0	5.5
66	MP4C	Mx	-.003	5.5
67	MP4B	X	-16.701	2.5
68	MP4B	Z	0	2.5
69	MP4B	Mx	-.004	2.5
70	MP4B	X	-16.701	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	-.004	5.5
73	MP2A	X	-11.343	2.5
74	MP2A	Z	0	2.5
75	MP2A	Mx	-.006	2.5
76	MP2B	X	-14.864	2.5
77	MP2B	Z	0	2.5
78	MP2B	Mx	.004	2.5
79	MP2C	X	-14.864	2.5
80	MP2C	Z	0	2.5
81	MP2C	Mx	.004	2.5
82	MP3A	X	-9.559	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	-.005	2.5
85	MP3B	X	-14.418	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	.004	2.5
88	MP3C	X	-14.418	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	.004	2.5
91	M33	X	-23.409	1
92	M33	Z	0	1
93	M33	Mx	0	1
94	M33	X	-15.893	1
95	M33	Z	0	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.354	3
2	MP1A	Z	-5.401	3
3	MP1A	Mx	.005	3
4	MP1A	X	-9.354	5
5	MP1A	Z	-5.401	5
6	MP1A	Mx	.005	5
7	MP1B	X	-16.096	3
8	MP1B	Z	-9.293	3
9	MP1B	Mx	0	3
10	MP1B	X	-16.096	5
11	MP1B	Z	-9.293	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	0	5
13	MP1C	X	-9.354	3
14	MP1C	Z	-5.401	3
15	MP1C	Mx	-.005	3
16	MP1C	X	-9.354	5
17	MP1C	Z	-5.401	5
18	MP1C	Mx	-.005	5
19	MP2A	X	-20.795	1.5
20	MP2A	Z	-12.006	1.5
21	MP2A	Mx	.004	1.5
22	MP2A	X	-20.795	6.5
23	MP2A	Z	-12.006	6.5
24	MP2A	Mx	.004	6.5
25	MP2B	X	-26.8	1.5
26	MP2B	Z	-15.473	1.5
27	MP2B	Mx	.017	1.5
28	MP2B	X	-26.8	6.5
29	MP2B	Z	-15.473	6.5
30	MP2B	Mx	.017	6.5
31	MP2C	X	-20.795	1.5
32	MP2C	Z	-12.006	1.5
33	MP2C	Mx	-.017	1.5
34	MP2C	X	-20.795	6.5
35	MP2C	Z	-12.006	6.5
36	MP2C	Mx	-.017	6.5
37	MP2A	X	-20.795	1.5
38	MP2A	Z	-12.006	1.5
39	MP2A	Mx	.017	1.5
40	MP2A	X	-20.795	6.5
41	MP2A	Z	-12.006	6.5
42	MP2A	Mx	.017	6.5
43	MP2B	X	-26.8	1.5
44	MP2B	Z	-15.473	1.5
45	MP2B	Mx	-.017	1.5
46	MP2B	X	-26.8	6.5
47	MP2B	Z	-15.473	6.5
48	MP2B	Mx	-.017	6.5
49	MP2C	X	-20.795	1.5
50	MP2C	Z	-12.006	1.5
51	MP2C	Mx	-.004	1.5
52	MP2C	X	-20.795	6.5
53	MP2C	Z	-12.006	6.5
54	MP2C	Mx	-.004	6.5
55	MP4A	X	-10.943	2.5
56	MP4A	Z	-6.318	2.5
57	MP4A	Mx	.005	2.5
58	MP4A	X	-10.943	5.5
59	MP4A	Z	-6.318	5.5
60	MP4A	Mx	.005	5.5
61	MP4C	X	-10.943	2.5
62	MP4C	Z	-6.318	2.5
63	MP4C	Mx	-.005	2.5
64	MP4C	X	-10.943	5.5
65	MP4C	Z	-6.318	5.5
66	MP4C	Mx	-.005	5.5
67	MP4B	X	-16.177	2.5
68	MP4B	Z	-9.34	2.5
69	MP4B	Mx	0	2.5
70	MP4B	X	-16.177	5.5
71	MP4B	Z	-9.34	5.5
72	MP4B	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP2A	X	-10.84	2.5
74	MP2A	Z	-6.258	2.5
75	MP2A	Mx	-.005	2.5
76	MP2B	X	-13.889	2.5
77	MP2B	Z	-8.019	2.5
78	MP2B	Mx	0	2.5
79	MP2C	X	-10.84	2.5
80	MP2C	Z	-6.258	2.5
81	MP2C	Mx	.005	2.5
82	MP3A	X	-9.681	2.5
83	MP3A	Z	-5.589	2.5
84	MP3A	Mx	-.005	2.5
85	MP3B	X	-13.889	2.5
86	MP3B	Z	-8.019	2.5
87	MP3B	Mx	0	2.5
88	MP3C	X	-9.681	2.5
89	MP3C	Z	-5.589	2.5
90	MP3C	Mx	.005	2.5
91	M33	X	-24.291	1
92	M33	Z	-14.024	1
93	M33	Mx	0	1
94	M33	X	-16.542	1
95	M33	Z	-9.55	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-7.996	3
2	MP1A	Z	-13.849	3
3	MP1A	Mx	.004	3
4	MP1A	X	-7.996	5
5	MP1A	Z	-13.849	5
6	MP1A	Mx	.004	5
7	MP1B	X	-7.996	3
8	MP1B	Z	-13.849	3
9	MP1B	Mx	.004	3
10	MP1B	X	-7.996	5
11	MP1B	Z	-13.849	5
12	MP1B	Mx	.004	5
13	MP1C	X	-4.103	3
14	MP1C	Z	-7.107	3
15	MP1C	Mx	-.004	3
16	MP1C	X	-4.103	5
17	MP1C	Z	-7.107	5
18	MP1C	Mx	-.004	5
19	MP2A	X	-14.317	1.5
20	MP2A	Z	-24.799	1.5
21	MP2A	Mx	-.006	1.5
22	MP2A	X	-14.317	6.5
23	MP2A	Z	-24.799	6.5
24	MP2A	Mx	-.006	6.5
25	MP2B	X	-14.317	1.5
26	MP2B	Z	-24.799	1.5
27	MP2B	Mx	.021	1.5
28	MP2B	X	-14.317	6.5
29	MP2B	Z	-24.799	6.5
30	MP2B	Mx	.021	6.5
31	MP2C	X	-10.85	1.5
32	MP2C	Z	-18.793	1.5
33	MP2C	Mx	-.011	1.5
34	MP2C	X	-10.85	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	-18.793	6.5
36	MP2C	Mx	-.011	6.5
37	MP2A	X	-14.317	1.5
38	MP2A	Z	-24.799	1.5
39	MP2A	Mx	.021	1.5
40	MP2A	X	-14.317	6.5
41	MP2A	Z	-24.799	6.5
42	MP2A	Mx	.021	6.5
43	MP2B	X	-14.317	1.5
44	MP2B	Z	-24.799	1.5
45	MP2B	Mx	-.006	1.5
46	MP2B	X	-14.317	6.5
47	MP2B	Z	-24.799	6.5
48	MP2B	Mx	-.006	6.5
49	MP2C	X	-10.85	1.5
50	MP2C	Z	-18.793	1.5
51	MP2C	Mx	-.011	1.5
52	MP2C	X	-10.85	6.5
53	MP2C	Z	-18.793	6.5
54	MP2C	Mx	-.011	6.5
55	MP4A	X	-6.992	2.5
56	MP4A	Z	-12.11	2.5
57	MP4A	Mx	.003	2.5
58	MP4A	X	-6.992	5.5
59	MP4A	Z	-12.11	5.5
60	MP4A	Mx	.003	5.5
61	MP4C	X	-5.981	2.5
62	MP4C	Z	-10.359	2.5
63	MP4C	Mx	-.006	2.5
64	MP4C	X	-5.981	5.5
65	MP4C	Z	-10.359	5.5
66	MP4C	Mx	-.006	5.5
67	MP4B	X	-8.351	2.5
68	MP4B	Z	-14.464	2.5
69	MP4B	Mx	.004	2.5
70	MP4B	X	-8.351	5.5
71	MP4B	Z	-14.464	5.5
72	MP4B	Mx	.004	5.5
73	MP2A	X	-7.432	2.5
74	MP2A	Z	-12.873	2.5
75	MP2A	Mx	-.004	2.5
76	MP2B	X	-7.432	2.5
77	MP2B	Z	-12.873	2.5
78	MP2B	Mx	-.004	2.5
79	MP2C	X	-5.671	2.5
80	MP2C	Z	-9.823	2.5
81	MP2C	Mx	.006	2.5
82	MP3A	X	-7.209	2.5
83	MP3A	Z	-12.487	2.5
84	MP3A	Mx	-.004	2.5
85	MP3B	X	-7.209	2.5
86	MP3B	Z	-12.487	2.5
87	MP3B	Mx	-.004	2.5
88	MP3C	X	-4.779	2.5
89	MP3C	Z	-8.278	2.5
90	MP3C	Mx	.005	2.5
91	M33	X	-15.184	1
92	M33	Z	-26.299	1
93	M33	Mx	0	1
94	M33	X	-10.352	1
95	M33	Z	-17.931	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	3
2	MP1A	Z	-5.633	3
3	MP1A	Mx	0	3
4	MP1A	X	0	5
5	MP1A	Z	-5.633	5
6	MP1A	Mx	0	5
7	MP1B	X	0	3
8	MP1B	Z	-3.062	3
9	MP1B	Mx	.001	3
10	MP1B	X	0	5
11	MP1B	Z	-3.062	5
12	MP1B	Mx	.001	5
13	MP1C	X	0	3
14	MP1C	Z	-3.062	3
15	MP1C	Mx	-.001	3
16	MP1C	X	0	5
17	MP1C	Z	-3.062	5
18	MP1C	Mx	-.001	5
19	MP2A	X	0	1.5
20	MP2A	Z	-9.684	1.5
21	MP2A	Mx	-.005	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	-9.684	6.5
24	MP2A	Mx	-.005	6.5
25	MP2B	X	0	1.5
26	MP2B	Z	-7.222	1.5
27	MP2B	Mx	.005	1.5
28	MP2B	X	0	6.5
29	MP2B	Z	-7.222	6.5
30	MP2B	Mx	.005	6.5
31	MP2C	X	0	1.5
32	MP2C	Z	-7.222	1.5
33	MP2C	Mx	-.001	1.5
34	MP2C	X	0	6.5
35	MP2C	Z	-7.222	6.5
36	MP2C	Mx	-.001	6.5
37	MP2A	X	0	1.5
38	MP2A	Z	-9.684	1.5
39	MP2A	Mx	.005	1.5
40	MP2A	X	0	6.5
41	MP2A	Z	-9.684	6.5
42	MP2A	Mx	.005	6.5
43	MP2B	X	0	1.5
44	MP2B	Z	-7.222	1.5
45	MP2B	Mx	.001	1.5
46	MP2B	X	0	6.5
47	MP2B	Z	-7.222	6.5
48	MP2B	Mx	.001	6.5
49	MP2C	X	0	1.5
50	MP2C	Z	-7.222	1.5
51	MP2C	Mx	-.005	1.5
52	MP2C	X	0	6.5
53	MP2C	Z	-7.222	6.5
54	MP2C	Mx	-.005	6.5
55	MP4A	X	0	2.5
56	MP4A	Z	-4.267	2.5
57	MP4A	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	0	5.5
59	MP4A	Z	-4.267	5.5
60	MP4A	Mx	0	5.5
61	MP4C	X	0	2.5
62	MP4C	Z	-3.577	2.5
63	MP4C	Mx	-.002	2.5
64	MP4C	X	0	5.5
65	MP4C	Z	-3.577	5.5
66	MP4C	Mx	-.002	5.5
67	MP4B	X	0	2.5
68	MP4B	Z	-3.608	2.5
69	MP4B	Mx	.002	2.5
70	MP4B	X	0	5.5
71	MP4B	Z	-3.608	5.5
72	MP4B	Mx	.002	5.5
73	MP2A	X	0	2.5
74	MP2A	Z	-4.482	2.5
75	MP2A	Mx	0	2.5
76	MP2B	X	0	2.5
77	MP2B	Z	-3.368	2.5
78	MP2B	Mx	-.001	2.5
79	MP2C	X	0	2.5
80	MP2C	Z	-3.368	2.5
81	MP2C	Mx	.001	2.5
82	MP3A	X	0	2.5
83	MP3A	Z	-4.482	2.5
84	MP3A	Mx	0	2.5
85	MP3B	X	0	2.5
86	MP3B	Z	-2.941	2.5
87	MP3B	Mx	-.001	2.5
88	MP3C	X	0	2.5
89	MP3C	Z	-2.941	2.5
90	MP3C	Mx	.001	2.5
91	M33	X	0	1
92	M33	Z	-8.32	1
93	M33	Mx	0	1
94	M33	X	0	1
95	M33	Z	-5.467	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.388	3
2	MP1A	Z	-4.136	3
3	MP1A	Mx	-.001	3
4	MP1A	X	2.388	5
5	MP1A	Z	-4.136	5
6	MP1A	Mx	-.001	5
7	MP1B	X	1.103	3
8	MP1B	Z	-1.91	3
9	MP1B	Mx	.001	3
10	MP1B	X	1.103	5
11	MP1B	Z	-1.91	5
12	MP1B	Mx	.001	5
13	MP1C	X	2.388	3
14	MP1C	Z	-4.136	3
15	MP1C	Mx	-.001	3
16	MP1C	X	2.388	5
17	MP1C	Z	-4.136	5
18	MP1C	Mx	-.001	5
19	MP2A	X	4.432	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2A	Z	-7.676	1.5
21	MP2A	Mx	-.006	1.5
22	MP2A	X	4.432	6.5
23	MP2A	Z	-7.676	6.5
24	MP2A	Mx	-.006	6.5
25	MP2B	X	3.201	1.5
26	MP2B	Z	-5.544	1.5
27	MP2B	Mx	.003	1.5
28	MP2B	X	3.201	6.5
29	MP2B	Z	-5.544	6.5
30	MP2B	Mx	.003	6.5
31	MP2C	X	4.432	1.5
32	MP2C	Z	-7.676	1.5
33	MP2C	Mx	.002	1.5
34	MP2C	X	4.432	6.5
35	MP2C	Z	-7.676	6.5
36	MP2C	Mx	.002	6.5
37	MP2A	X	4.432	1.5
38	MP2A	Z	-7.676	1.5
39	MP2A	Mx	.002	1.5
40	MP2A	X	4.432	6.5
41	MP2A	Z	-7.676	6.5
42	MP2A	Mx	.002	6.5
43	MP2B	X	3.201	1.5
44	MP2B	Z	-5.544	1.5
45	MP2B	Mx	.003	1.5
46	MP2B	X	3.201	6.5
47	MP2B	Z	-5.544	6.5
48	MP2B	Mx	.003	6.5
49	MP2C	X	4.432	1.5
50	MP2C	Z	-7.676	1.5
51	MP2C	Mx	-.006	1.5
52	MP2C	X	4.432	6.5
53	MP2C	Z	-7.676	6.5
54	MP2C	Mx	-.006	6.5
55	MP4A	X	2.018	2.5
56	MP4A	Z	-3.496	2.5
57	MP4A	Mx	-.001	2.5
58	MP4A	X	2.018	5.5
59	MP4A	Z	-3.496	5.5
60	MP4A	Mx	-.001	5.5
61	MP4C	X	2.018	2.5
62	MP4C	Z	-3.496	2.5
63	MP4C	Mx	-.001	2.5
64	MP4C	X	2.018	5.5
65	MP4C	Z	-3.496	5.5
66	MP4C	Mx	-.001	5.5
67	MP4B	X	1.462	2.5
68	MP4B	Z	-2.533	2.5
69	MP4B	Mx	.001	2.5
70	MP4B	X	1.462	5.5
71	MP4B	Z	-2.533	5.5
72	MP4B	Mx	.001	5.5
73	MP2A	X	2.055	2.5
74	MP2A	Z	-3.56	2.5
75	MP2A	Mx	.001	2.5
76	MP2B	X	1.498	2.5
77	MP2B	Z	-2.595	2.5
78	MP2B	Mx	-.001	2.5
79	MP2C	X	2.055	2.5
80	MP2C	Z	-3.56	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2C	Mx	.001	2.5
82	MP3A	X	1.984	2.5
83	MP3A	Z	-3.437	2.5
84	MP3A	Mx	.000992	2.5
85	MP3B	X	1.213	2.5
86	MP3B	Z	-2.102	2.5
87	MP3B	Mx	-.001	2.5
88	MP3C	X	1.984	2.5
89	MP3C	Z	-3.437	2.5
90	MP3C	Mx	.000992	2.5
91	M33	X	3.395	1
92	M33	Z	-5.88	1
93	M33	Mx	0	1
94	M33	X	2.208	1
95	M33	Z	-3.825	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.652	3
2	MP1A	Z	-1.531	3
3	MP1A	Mx	-.001	3
4	MP1A	X	2.652	5
5	MP1A	Z	-1.531	5
6	MP1A	Mx	-.001	5
7	MP1B	X	2.652	3
8	MP1B	Z	-1.531	3
9	MP1B	Mx	.001	3
10	MP1B	X	2.652	5
11	MP1B	Z	-1.531	5
12	MP1B	Mx	.001	5
13	MP1C	X	4.878	3
14	MP1C	Z	-2.816	3
15	MP1C	Mx	0	3
16	MP1C	X	4.878	5
17	MP1C	Z	-2.816	5
18	MP1C	Mx	0	5
19	MP2A	X	6.255	1.5
20	MP2A	Z	-3.611	1.5
21	MP2A	Mx	-.005	1.5
22	MP2A	X	6.255	6.5
23	MP2A	Z	-3.611	6.5
24	MP2A	Mx	-.005	6.5
25	MP2B	X	6.255	1.5
26	MP2B	Z	-3.611	1.5
27	MP2B	Mx	.001	1.5
28	MP2B	X	6.255	6.5
29	MP2B	Z	-3.611	6.5
30	MP2B	Mx	.001	6.5
31	MP2C	X	8.386	1.5
32	MP2C	Z	-4.842	1.5
33	MP2C	Mx	.005	1.5
34	MP2C	X	8.386	6.5
35	MP2C	Z	-4.842	6.5
36	MP2C	Mx	.005	6.5
37	MP2A	X	6.255	1.5
38	MP2A	Z	-3.611	1.5
39	MP2A	Mx	-.001	1.5
40	MP2A	X	6.255	6.5
41	MP2A	Z	-3.611	6.5
42	MP2A	Mx	-.001	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP2B	X	6.255	1.5
44	MP2B	Z	-3.611	1.5
45	MP2B	Mx	.005	1.5
46	MP2B	X	6.255	6.5
47	MP2B	Z	-3.611	6.5
48	MP2B	Mx	.005	6.5
49	MP2C	X	8.386	1.5
50	MP2C	Z	-4.842	1.5
51	MP2C	Mx	-.005	1.5
52	MP2C	X	8.386	6.5
53	MP2C	Z	-4.842	6.5
54	MP2C	Mx	-.005	6.5
55	MP4A	X	3.098	2.5
56	MP4A	Z	-1.788	2.5
57	MP4A	Mx	-.002	2.5
58	MP4A	X	3.098	5.5
59	MP4A	Z	-1.788	5.5
60	MP4A	Mx	-.002	5.5
61	MP4C	X	3.695	2.5
62	MP4C	Z	-2.133	2.5
63	MP4C	Mx	0	2.5
64	MP4C	X	3.695	5.5
65	MP4C	Z	-2.133	5.5
66	MP4C	Mx	0	5.5
67	MP4B	X	3.124	2.5
68	MP4B	Z	-1.804	2.5
69	MP4B	Mx	.002	2.5
70	MP4B	X	3.124	5.5
71	MP4B	Z	-1.804	5.5
72	MP4B	Mx	.002	5.5
73	MP2A	X	2.917	2.5
74	MP2A	Z	-1.684	2.5
75	MP2A	Mx	.001	2.5
76	MP2B	X	2.917	2.5
77	MP2B	Z	-1.684	2.5
78	MP2B	Mx	-.001	2.5
79	MP2C	X	3.882	2.5
80	MP2C	Z	-2.241	2.5
81	MP2C	Mx	0	2.5
82	MP3A	X	2.547	2.5
83	MP3A	Z	-1.47	2.5
84	MP3A	Mx	.001	2.5
85	MP3B	X	2.547	2.5
86	MP3B	Z	-1.47	2.5
87	MP3B	Mx	-.001	2.5
88	MP3C	X	3.882	2.5
89	MP3C	Z	-2.241	2.5
90	MP3C	Mx	0	2.5
91	M33	X	5.218	1
92	M33	Z	-3.013	1
93	M33	Mx	0	1
94	M33	X	3.37	1
95	M33	Z	-1.946	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.205	3
2	MP1A	Z	0	3
3	MP1A	Mx	-.001	3
4	MP1A	X	2.205	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP1A	Z	0	5
6	MP1A	Mx	-.001	5
7	MP1B	X	4.776	3
8	MP1B	Z	0	3
9	MP1B	Mx	.001	3
10	MP1B	X	4.776	5
11	MP1B	Z	0	5
12	MP1B	Mx	.001	5
13	MP1C	X	4.776	3
14	MP1C	Z	0	3
15	MP1C	Mx	.001	3
16	MP1C	X	4.776	5
17	MP1C	Z	0	5
18	MP1C	Mx	.001	5
19	MP2A	X	6.402	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.003	1.5
22	MP2A	X	6.402	6.5
23	MP2A	Z	0	6.5
24	MP2A	Mx	-.003	6.5
25	MP2B	X	8.863	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	-.002	1.5
28	MP2B	X	8.863	6.5
29	MP2B	Z	0	6.5
30	MP2B	Mx	-.002	6.5
31	MP2C	X	8.863	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	.006	1.5
34	MP2C	X	8.863	6.5
35	MP2C	Z	0	6.5
36	MP2C	Mx	.006	6.5
37	MP2A	X	6.402	1.5
38	MP2A	Z	0	1.5
39	MP2A	Mx	-.003	1.5
40	MP2A	X	6.402	6.5
41	MP2A	Z	0	6.5
42	MP2A	Mx	-.003	6.5
43	MP2B	X	8.863	1.5
44	MP2B	Z	0	1.5
45	MP2B	Mx	.006	1.5
46	MP2B	X	8.863	6.5
47	MP2B	Z	0	6.5
48	MP2B	Mx	.006	6.5
49	MP2C	X	8.863	1.5
50	MP2C	Z	0	1.5
51	MP2C	Mx	-.002	1.5
52	MP2C	X	8.863	6.5
53	MP2C	Z	0	6.5
54	MP2C	Mx	-.002	6.5
55	MP4A	X	3.347	2.5
56	MP4A	Z	0	2.5
57	MP4A	Mx	-.002	2.5
58	MP4A	X	3.347	5.5
59	MP4A	Z	0	5.5
60	MP4A	Mx	-.002	5.5
61	MP4C	X	4.037	2.5
62	MP4C	Z	0	2.5
63	MP4C	Mx	.001	2.5
64	MP4C	X	4.037	5.5
65	MP4C	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP4C	Mx	.001	5.5
67	MP4B	X	4.974	2.5
68	MP4B	Z	0	2.5
69	MP4B	Mx	.001	2.5
70	MP4B	X	4.974	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	.001	5.5
73	MP2A	X	2.996	2.5
74	MP2A	Z	0	2.5
75	MP2A	Mx	.001	2.5
76	MP2B	X	4.111	2.5
77	MP2B	Z	0	2.5
78	MP2B	Mx	-.001	2.5
79	MP2C	X	4.111	2.5
80	MP2C	Z	0	2.5
81	MP2C	Mx	-.001	2.5
82	MP3A	X	2.427	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	.001	2.5
85	MP3B	X	3.968	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	-.000992	2.5
88	MP3C	X	3.968	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	-.000992	2.5
91	M33	X	6.79	1
92	M33	Z	0	1
93	M33	Mx	0	1
94	M33	X	4.417	1
95	M33	Z	0	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.652	3
2	MP1A	Z	1.531	3
3	MP1A	Mx	-.001	3
4	MP1A	X	2.652	5
5	MP1A	Z	1.531	5
6	MP1A	Mx	-.001	5
7	MP1B	X	4.878	3
8	MP1B	Z	2.816	3
9	MP1B	Mx	0	3
10	MP1B	X	4.878	5
11	MP1B	Z	2.816	5
12	MP1B	Mx	0	5
13	MP1C	X	2.652	3
14	MP1C	Z	1.531	3
15	MP1C	Mx	.001	3
16	MP1C	X	2.652	5
17	MP1C	Z	1.531	5
18	MP1C	Mx	.001	5
19	MP2A	X	6.255	1.5
20	MP2A	Z	3.611	1.5
21	MP2A	Mx	-.001	1.5
22	MP2A	X	6.255	6.5
23	MP2A	Z	3.611	6.5
24	MP2A	Mx	-.001	6.5
25	MP2B	X	8.386	1.5
26	MP2B	Z	4.842	1.5
27	MP2B	Mx	-.005	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2B	X	8.386	6.5
29	MP2B	Z	4.842	6.5
30	MP2B	Mx	-.005	6.5
31	MP2C	X	6.255	1.5
32	MP2C	Z	3.611	1.5
33	MP2C	Mx	.005	1.5
34	MP2C	X	6.255	6.5
35	MP2C	Z	3.611	6.5
36	MP2C	Mx	.005	6.5
37	MP2A	X	6.255	1.5
38	MP2A	Z	3.611	1.5
39	MP2A	Mx	-.005	1.5
40	MP2A	X	6.255	6.5
41	MP2A	Z	3.611	6.5
42	MP2A	Mx	-.005	6.5
43	MP2B	X	8.386	1.5
44	MP2B	Z	4.842	1.5
45	MP2B	Mx	.005	1.5
46	MP2B	X	8.386	6.5
47	MP2B	Z	4.842	6.5
48	MP2B	Mx	.005	6.5
49	MP2C	X	6.255	1.5
50	MP2C	Z	3.611	1.5
51	MP2C	Mx	.001	1.5
52	MP2C	X	6.255	6.5
53	MP2C	Z	3.611	6.5
54	MP2C	Mx	.001	6.5
55	MP4A	X	3.098	2.5
56	MP4A	Z	1.788	2.5
57	MP4A	Mx	-.002	2.5
58	MP4A	X	3.098	5.5
59	MP4A	Z	1.788	5.5
60	MP4A	Mx	-.002	5.5
61	MP4C	X	3.098	2.5
62	MP4C	Z	1.788	2.5
63	MP4C	Mx	.002	2.5
64	MP4C	X	3.098	5.5
65	MP4C	Z	1.788	5.5
66	MP4C	Mx	.002	5.5
67	MP4B	X	4.899	2.5
68	MP4B	Z	2.828	2.5
69	MP4B	Mx	0	2.5
70	MP4B	X	4.899	5.5
71	MP4B	Z	2.828	5.5
72	MP4B	Mx	0	5.5
73	MP2A	X	2.917	2.5
74	MP2A	Z	1.684	2.5
75	MP2A	Mx	.001	2.5
76	MP2B	X	3.882	2.5
77	MP2B	Z	2.241	2.5
78	MP2B	Mx	0	2.5
79	MP2C	X	2.917	2.5
80	MP2C	Z	1.684	2.5
81	MP2C	Mx	-.001	2.5
82	MP3A	X	2.547	2.5
83	MP3A	Z	1.47	2.5
84	MP3A	Mx	.001	2.5
85	MP3B	X	3.882	2.5
86	MP3B	Z	2.241	2.5
87	MP3B	Mx	0	2.5
88	MP3C	X	2.547	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP3C	Z	1.47	2.5
90	MP3C	Mx	-.001	2.5
91	M33	X	7.205	1
92	M33	Z	4.16	1
93	M33	Mx	0	1
94	M33	X	4.735	1
95	M33	Z	2.734	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.388	3
2	MP1A	Z	4.136	3
3	MP1A	Mx	-.001	3
4	MP1A	X	2.388	5
5	MP1A	Z	4.136	5
6	MP1A	Mx	-.001	5
7	MP1B	X	2.388	3
8	MP1B	Z	4.136	3
9	MP1B	Mx	-.001	3
10	MP1B	X	2.388	5
11	MP1B	Z	4.136	5
12	MP1B	Mx	-.001	5
13	MP1C	X	1.103	3
14	MP1C	Z	1.91	3
15	MP1C	Mx	.001	3
16	MP1C	X	1.103	5
17	MP1C	Z	1.91	5
18	MP1C	Mx	.001	5
19	MP2A	X	4.432	1.5
20	MP2A	Z	7.676	1.5
21	MP2A	Mx	.002	1.5
22	MP2A	X	4.432	6.5
23	MP2A	Z	7.676	6.5
24	MP2A	Mx	.002	6.5
25	MP2B	X	4.432	1.5
26	MP2B	Z	7.676	1.5
27	MP2B	Mx	-.006	1.5
28	MP2B	X	4.432	6.5
29	MP2B	Z	7.676	6.5
30	MP2B	Mx	-.006	6.5
31	MP2C	X	3.201	1.5
32	MP2C	Z	5.544	1.5
33	MP2C	Mx	.003	1.5
34	MP2C	X	3.201	6.5
35	MP2C	Z	5.544	6.5
36	MP2C	Mx	.003	6.5
37	MP2A	X	4.432	1.5
38	MP2A	Z	7.676	1.5
39	MP2A	Mx	-.006	1.5
40	MP2A	X	4.432	6.5
41	MP2A	Z	7.676	6.5
42	MP2A	Mx	-.006	6.5
43	MP2B	X	4.432	1.5
44	MP2B	Z	7.676	1.5
45	MP2B	Mx	.002	1.5
46	MP2B	X	4.432	6.5
47	MP2B	Z	7.676	6.5
48	MP2B	Mx	.002	6.5
49	MP2C	X	3.201	1.5
50	MP2C	Z	5.544	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP2C	Mx	.003	1.5
52	MP2C	X	3.201	6.5
53	MP2C	Z	5.544	6.5
54	MP2C	Mx	.003	6.5
55	MP4A	X	2.018	2.5
56	MP4A	Z	3.496	2.5
57	MP4A	Mx	-.001	2.5
58	MP4A	X	2.018	5.5
59	MP4A	Z	3.496	5.5
60	MP4A	Mx	-.001	5.5
61	MP4C	X	1.674	2.5
62	MP4C	Z	2.899	2.5
63	MP4C	Mx	.002	2.5
64	MP4C	X	1.674	5.5
65	MP4C	Z	2.899	5.5
66	MP4C	Mx	.002	5.5
67	MP4B	X	2.487	2.5
68	MP4B	Z	4.307	2.5
69	MP4B	Mx	-.001	2.5
70	MP4B	X	2.487	5.5
71	MP4B	Z	4.307	5.5
72	MP4B	Mx	-.001	5.5
73	MP2A	X	2.055	2.5
74	MP2A	Z	3.56	2.5
75	MP2A	Mx	.001	2.5
76	MP2B	X	2.055	2.5
77	MP2B	Z	3.56	2.5
78	MP2B	Mx	.001	2.5
79	MP2C	X	1.498	2.5
80	MP2C	Z	2.595	2.5
81	MP2C	Mx	-.001	2.5
82	MP3A	X	1.984	2.5
83	MP3A	Z	3.437	2.5
84	MP3A	Mx	.000992	2.5
85	MP3B	X	1.984	2.5
86	MP3B	Z	3.437	2.5
87	MP3B	Mx	.000992	2.5
88	MP3C	X	1.213	2.5
89	MP3C	Z	2.102	2.5
90	MP3C	Mx	-.001	2.5
91	M33	X	4.542	1
92	M33	Z	7.867	1
93	M33	Mx	0	1
94	M33	X	2.996	1
95	M33	Z	5.19	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	3
2	MP1A	Z	5.633	3
3	MP1A	Mx	0	3
4	MP1A	X	0	5
5	MP1A	Z	5.633	5
6	MP1A	Mx	0	5
7	MP1B	X	0	3
8	MP1B	Z	3.062	3
9	MP1B	Mx	-.001	3
10	MP1B	X	0	5
11	MP1B	Z	3.062	5
12	MP1B	Mx	-.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1C	X	0	3
14	MP1C	Z	3.062	3
15	MP1C	Mx	.001	3
16	MP1C	X	0	5
17	MP1C	Z	3.062	5
18	MP1C	Mx	.001	5
19	MP2A	X	0	1.5
20	MP2A	Z	9.684	1.5
21	MP2A	Mx	.005	1.5
22	MP2A	X	0	6.5
23	MP2A	Z	9.684	6.5
24	MP2A	Mx	.005	6.5
25	MP2B	X	0	1.5
26	MP2B	Z	7.222	1.5
27	MP2B	Mx	-.005	1.5
28	MP2B	X	0	6.5
29	MP2B	Z	7.222	6.5
30	MP2B	Mx	-.005	6.5
31	MP2C	X	0	1.5
32	MP2C	Z	7.222	1.5
33	MP2C	Mx	.001	1.5
34	MP2C	X	0	6.5
35	MP2C	Z	7.222	6.5
36	MP2C	Mx	.001	6.5
37	MP2A	X	0	1.5
38	MP2A	Z	9.684	1.5
39	MP2A	Mx	-.005	1.5
40	MP2A	X	0	6.5
41	MP2A	Z	9.684	6.5
42	MP2A	Mx	-.005	6.5
43	MP2B	X	0	1.5
44	MP2B	Z	7.222	1.5
45	MP2B	Mx	-.001	1.5
46	MP2B	X	0	6.5
47	MP2B	Z	7.222	6.5
48	MP2B	Mx	-.001	6.5
49	MP2C	X	0	1.5
50	MP2C	Z	7.222	1.5
51	MP2C	Mx	.005	1.5
52	MP2C	X	0	6.5
53	MP2C	Z	7.222	6.5
54	MP2C	Mx	.005	6.5
55	MP4A	X	0	2.5
56	MP4A	Z	4.267	2.5
57	MP4A	Mx	0	2.5
58	MP4A	X	0	5.5
59	MP4A	Z	4.267	5.5
60	MP4A	Mx	0	5.5
61	MP4C	X	0	2.5
62	MP4C	Z	3.577	2.5
63	MP4C	Mx	.002	2.5
64	MP4C	X	0	5.5
65	MP4C	Z	3.577	5.5
66	MP4C	Mx	.002	5.5
67	MP4B	X	0	2.5
68	MP4B	Z	3.608	2.5
69	MP4B	Mx	-.002	2.5
70	MP4B	X	0	5.5
71	MP4B	Z	3.608	5.5
72	MP4B	Mx	-.002	5.5
73	MP2A	X	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2A	Z	4.482	2.5
75	MP2A	Mx	0	2.5
76	MP2B	X	0	2.5
77	MP2B	Z	3.368	2.5
78	MP2B	Mx	.001	2.5
79	MP2C	X	0	2.5
80	MP2C	Z	3.368	2.5
81	MP2C	Mx	-.001	2.5
82	MP3A	X	0	2.5
83	MP3A	Z	4.482	2.5
84	MP3A	Mx	0	2.5
85	MP3B	X	0	2.5
86	MP3B	Z	2.941	2.5
87	MP3B	Mx	.001	2.5
88	MP3C	X	0	2.5
89	MP3C	Z	2.941	2.5
90	MP3C	Mx	-.001	2.5
91	M33	X	0	1
92	M33	Z	8.32	1
93	M33	Mx	0	1
94	M33	X	0	1
95	M33	Z	5.467	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.388	3
2	MP1A	Z	4.136	3
3	MP1A	Mx	.001	3
4	MP1A	X	-2.388	5
5	MP1A	Z	4.136	5
6	MP1A	Mx	.001	5
7	MP1B	X	-1.103	3
8	MP1B	Z	1.91	3
9	MP1B	Mx	-.001	3
10	MP1B	X	-1.103	5
11	MP1B	Z	1.91	5
12	MP1B	Mx	-.001	5
13	MP1C	X	-2.388	3
14	MP1C	Z	4.136	3
15	MP1C	Mx	.001	3
16	MP1C	X	-2.388	5
17	MP1C	Z	4.136	5
18	MP1C	Mx	.001	5
19	MP2A	X	-4.432	1.5
20	MP2A	Z	7.676	1.5
21	MP2A	Mx	.006	1.5
22	MP2A	X	-4.432	6.5
23	MP2A	Z	7.676	6.5
24	MP2A	Mx	.006	6.5
25	MP2B	X	-3.201	1.5
26	MP2B	Z	5.544	1.5
27	MP2B	Mx	-.003	1.5
28	MP2B	X	-3.201	6.5
29	MP2B	Z	5.544	6.5
30	MP2B	Mx	-.003	6.5
31	MP2C	X	-4.432	1.5
32	MP2C	Z	7.676	1.5
33	MP2C	Mx	-.002	1.5
34	MP2C	X	-4.432	6.5
35	MP2C	Z	7.676	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.002	6.5
37	MP2A	X	-4.432	1.5
38	MP2A	Z	7.676	1.5
39	MP2A	Mx	-.002	1.5
40	MP2A	X	-4.432	6.5
41	MP2A	Z	7.676	6.5
42	MP2A	Mx	-.002	6.5
43	MP2B	X	-3.201	1.5
44	MP2B	Z	5.544	1.5
45	MP2B	Mx	-.003	1.5
46	MP2B	X	-3.201	6.5
47	MP2B	Z	5.544	6.5
48	MP2B	Mx	-.003	6.5
49	MP2C	X	-4.432	1.5
50	MP2C	Z	7.676	1.5
51	MP2C	Mx	.006	1.5
52	MP2C	X	-4.432	6.5
53	MP2C	Z	7.676	6.5
54	MP2C	Mx	.006	6.5
55	MP4A	X	-2.018	2.5
56	MP4A	Z	3.496	2.5
57	MP4A	Mx	.001	2.5
58	MP4A	X	-2.018	5.5
59	MP4A	Z	3.496	5.5
60	MP4A	Mx	.001	5.5
61	MP4C	X	-2.018	2.5
62	MP4C	Z	3.496	2.5
63	MP4C	Mx	.001	2.5
64	MP4C	X	-2.018	5.5
65	MP4C	Z	3.496	5.5
66	MP4C	Mx	.001	5.5
67	MP4B	X	-1.462	2.5
68	MP4B	Z	2.533	2.5
69	MP4B	Mx	-.001	2.5
70	MP4B	X	-1.462	5.5
71	MP4B	Z	2.533	5.5
72	MP4B	Mx	-.001	5.5
73	MP2A	X	-2.055	2.5
74	MP2A	Z	3.56	2.5
75	MP2A	Mx	-.001	2.5
76	MP2B	X	-1.498	2.5
77	MP2B	Z	2.595	2.5
78	MP2B	Mx	.001	2.5
79	MP2C	X	-2.055	2.5
80	MP2C	Z	3.56	2.5
81	MP2C	Mx	-.001	2.5
82	MP3A	X	-1.984	2.5
83	MP3A	Z	3.437	2.5
84	MP3A	Mx	-.000992	2.5
85	MP3B	X	-1.213	2.5
86	MP3B	Z	2.102	2.5
87	MP3B	Mx	.001	2.5
88	MP3C	X	-1.984	2.5
89	MP3C	Z	3.437	2.5
90	MP3C	Mx	-.000992	2.5
91	M33	X	-3.395	1
92	M33	Z	5.88	1
93	M33	Mx	0	1
94	M33	X	-2.208	1
95	M33	Z	3.825	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.652	3
2	MP1A	Z	1.531	3
3	MP1A	Mx	.001	3
4	MP1A	X	-2.652	5
5	MP1A	Z	1.531	5
6	MP1A	Mx	.001	5
7	MP1B	X	-2.652	3
8	MP1B	Z	1.531	3
9	MP1B	Mx	-.001	3
10	MP1B	X	-2.652	5
11	MP1B	Z	1.531	5
12	MP1B	Mx	-.001	5
13	MP1C	X	-4.878	3
14	MP1C	Z	2.816	3
15	MP1C	Mx	0	3
16	MP1C	X	-4.878	5
17	MP1C	Z	2.816	5
18	MP1C	Mx	0	5
19	MP2A	X	-6.255	1.5
20	MP2A	Z	3.611	1.5
21	MP2A	Mx	.005	1.5
22	MP2A	X	-6.255	6.5
23	MP2A	Z	3.611	6.5
24	MP2A	Mx	.005	6.5
25	MP2B	X	-6.255	1.5
26	MP2B	Z	3.611	1.5
27	MP2B	Mx	-.001	1.5
28	MP2B	X	-6.255	6.5
29	MP2B	Z	3.611	6.5
30	MP2B	Mx	-.001	6.5
31	MP2C	X	-8.386	1.5
32	MP2C	Z	4.842	1.5
33	MP2C	Mx	-.005	1.5
34	MP2C	X	-8.386	6.5
35	MP2C	Z	4.842	6.5
36	MP2C	Mx	-.005	6.5
37	MP2A	X	-6.255	1.5
38	MP2A	Z	3.611	1.5
39	MP2A	Mx	.001	1.5
40	MP2A	X	-6.255	6.5
41	MP2A	Z	3.611	6.5
42	MP2A	Mx	.001	6.5
43	MP2B	X	-6.255	1.5
44	MP2B	Z	3.611	1.5
45	MP2B	Mx	-.005	1.5
46	MP2B	X	-6.255	6.5
47	MP2B	Z	3.611	6.5
48	MP2B	Mx	-.005	6.5
49	MP2C	X	-8.386	1.5
50	MP2C	Z	4.842	1.5
51	MP2C	Mx	.005	1.5
52	MP2C	X	-8.386	6.5
53	MP2C	Z	4.842	6.5
54	MP2C	Mx	.005	6.5
55	MP4A	X	-3.098	2.5
56	MP4A	Z	1.788	2.5
57	MP4A	Mx	.002	2.5
58	MP4A	X	-3.098	5.5
59	MP4A	Z	1.788	5.5
60	MP4A	Mx	.002	5.5
61	MP4C	X	-3.695	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP4C	Z	2.133	2.5
63	MP4C	Mx	0	2.5
64	MP4C	X	-3.695	5.5
65	MP4C	Z	2.133	5.5
66	MP4C	Mx	0	5.5
67	MP4B	X	-3.124	2.5
68	MP4B	Z	1.804	2.5
69	MP4B	Mx	-.002	2.5
70	MP4B	X	-3.124	5.5
71	MP4B	Z	1.804	5.5
72	MP4B	Mx	-.002	5.5
73	MP2A	X	-2.917	2.5
74	MP2A	Z	1.684	2.5
75	MP2A	Mx	-.001	2.5
76	MP2B	X	-2.917	2.5
77	MP2B	Z	1.684	2.5
78	MP2B	Mx	.001	2.5
79	MP2C	X	-3.882	2.5
80	MP2C	Z	2.241	2.5
81	MP2C	Mx	0	2.5
82	MP3A	X	-2.547	2.5
83	MP3A	Z	1.47	2.5
84	MP3A	Mx	-.001	2.5
85	MP3B	X	-2.547	2.5
86	MP3B	Z	1.47	2.5
87	MP3B	Mx	.001	2.5
88	MP3C	X	-3.882	2.5
89	MP3C	Z	2.241	2.5
90	MP3C	Mx	0	2.5
91	M33	X	-5.218	1
92	M33	Z	3.013	1
93	M33	Mx	0	1
94	M33	X	-3.37	1
95	M33	Z	1.946	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.205	3
2	MP1A	Z	0	3
3	MP1A	Mx	.001	3
4	MP1A	X	-2.205	5
5	MP1A	Z	0	5
6	MP1A	Mx	.001	5
7	MP1B	X	-4.776	3
8	MP1B	Z	0	3
9	MP1B	Mx	-.001	3
10	MP1B	X	-4.776	5
11	MP1B	Z	0	5
12	MP1B	Mx	-.001	5
13	MP1C	X	-4.776	3
14	MP1C	Z	0	3
15	MP1C	Mx	-.001	3
16	MP1C	X	-4.776	5
17	MP1C	Z	0	5
18	MP1C	Mx	-.001	5
19	MP2A	X	-6.402	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.003	1.5
22	MP2A	X	-6.402	6.5
23	MP2A	Z	0	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.003	6.5
25	MP2B	X	-8.863	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	.002	1.5
28	MP2B	X	-8.863	6.5
29	MP2B	Z	0	6.5
30	MP2B	Mx	.002	6.5
31	MP2C	X	-8.863	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	-.006	1.5
34	MP2C	X	-8.863	6.5
35	MP2C	Z	0	6.5
36	MP2C	Mx	-.006	6.5
37	MP2A	X	-6.402	1.5
38	MP2A	Z	0	1.5
39	MP2A	Mx	.003	1.5
40	MP2A	X	-6.402	6.5
41	MP2A	Z	0	6.5
42	MP2A	Mx	.003	6.5
43	MP2B	X	-8.863	1.5
44	MP2B	Z	0	1.5
45	MP2B	Mx	-.006	1.5
46	MP2B	X	-8.863	6.5
47	MP2B	Z	0	6.5
48	MP2B	Mx	-.006	6.5
49	MP2C	X	-8.863	1.5
50	MP2C	Z	0	1.5
51	MP2C	Mx	.002	1.5
52	MP2C	X	-8.863	6.5
53	MP2C	Z	0	6.5
54	MP2C	Mx	.002	6.5
55	MP4A	X	-3.347	2.5
56	MP4A	Z	0	2.5
57	MP4A	Mx	.002	2.5
58	MP4A	X	-3.347	5.5
59	MP4A	Z	0	5.5
60	MP4A	Mx	.002	5.5
61	MP4C	X	-4.037	2.5
62	MP4C	Z	0	2.5
63	MP4C	Mx	-.001	2.5
64	MP4C	X	-4.037	5.5
65	MP4C	Z	0	5.5
66	MP4C	Mx	-.001	5.5
67	MP4B	X	-4.974	2.5
68	MP4B	Z	0	2.5
69	MP4B	Mx	-.001	2.5
70	MP4B	X	-4.974	5.5
71	MP4B	Z	0	5.5
72	MP4B	Mx	-.001	5.5
73	MP2A	X	-2.996	2.5
74	MP2A	Z	0	2.5
75	MP2A	Mx	-.001	2.5
76	MP2B	X	-4.111	2.5
77	MP2B	Z	0	2.5
78	MP2B	Mx	.001	2.5
79	MP2C	X	-4.111	2.5
80	MP2C	Z	0	2.5
81	MP2C	Mx	.001	2.5
82	MP3A	X	-2.427	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	-.001	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP3B	X	-3.968	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	.000992	2.5
88	MP3C	X	-3.968	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	.000992	2.5
91	M33	X	-6.79	1
92	M33	Z	0	1
93	M33	Mx	0	1
94	M33	X	-4.417	1
95	M33	Z	0	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.652	3
2	MP1A	Z	-1.531	3
3	MP1A	Mx	.001	3
4	MP1A	X	-2.652	5
5	MP1A	Z	-1.531	5
6	MP1A	Mx	.001	5
7	MP1B	X	-4.878	3
8	MP1B	Z	-2.816	3
9	MP1B	Mx	0	3
10	MP1B	X	-4.878	5
11	MP1B	Z	-2.816	5
12	MP1B	Mx	0	5
13	MP1C	X	-2.652	3
14	MP1C	Z	-1.531	3
15	MP1C	Mx	-.001	3
16	MP1C	X	-2.652	5
17	MP1C	Z	-1.531	5
18	MP1C	Mx	-.001	5
19	MP2A	X	-6.255	1.5
20	MP2A	Z	-3.611	1.5
21	MP2A	Mx	.001	1.5
22	MP2A	X	-6.255	6.5
23	MP2A	Z	-3.611	6.5
24	MP2A	Mx	.001	6.5
25	MP2B	X	-8.386	1.5
26	MP2B	Z	-4.842	1.5
27	MP2B	Mx	.005	1.5
28	MP2B	X	-8.386	6.5
29	MP2B	Z	-4.842	6.5
30	MP2B	Mx	.005	6.5
31	MP2C	X	-6.255	1.5
32	MP2C	Z	-3.611	1.5
33	MP2C	Mx	-.005	1.5
34	MP2C	X	-6.255	6.5
35	MP2C	Z	-3.611	6.5
36	MP2C	Mx	-.005	6.5
37	MP2A	X	-6.255	1.5
38	MP2A	Z	-3.611	1.5
39	MP2A	Mx	.005	1.5
40	MP2A	X	-6.255	6.5
41	MP2A	Z	-3.611	6.5
42	MP2A	Mx	.005	6.5
43	MP2B	X	-8.386	1.5
44	MP2B	Z	-4.842	1.5
45	MP2B	Mx	-.005	1.5
46	MP2B	X	-8.386	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP2B	Z	-4.842	6.5
48	MP2B	Mx	-.005	6.5
49	MP2C	X	-6.255	1.5
50	MP2C	Z	-3.611	1.5
51	MP2C	Mx	-.001	1.5
52	MP2C	X	-6.255	6.5
53	MP2C	Z	-3.611	6.5
54	MP2C	Mx	-.001	6.5
55	MP4A	X	-3.098	2.5
56	MP4A	Z	-1.788	2.5
57	MP4A	Mx	.002	2.5
58	MP4A	X	-3.098	5.5
59	MP4A	Z	-1.788	5.5
60	MP4A	Mx	.002	5.5
61	MP4C	X	-3.098	2.5
62	MP4C	Z	-1.788	2.5
63	MP4C	Mx	-.002	2.5
64	MP4C	X	-3.098	5.5
65	MP4C	Z	-1.788	5.5
66	MP4C	Mx	-.002	5.5
67	MP4B	X	-4.899	2.5
68	MP4B	Z	-2.828	2.5
69	MP4B	Mx	0	2.5
70	MP4B	X	-4.899	5.5
71	MP4B	Z	-2.828	5.5
72	MP4B	Mx	0	5.5
73	MP2A	X	-2.917	2.5
74	MP2A	Z	-1.684	2.5
75	MP2A	Mx	-.001	2.5
76	MP2B	X	-3.882	2.5
77	MP2B	Z	-2.241	2.5
78	MP2B	Mx	0	2.5
79	MP2C	X	-2.917	2.5
80	MP2C	Z	-1.684	2.5
81	MP2C	Mx	.001	2.5
82	MP3A	X	-2.547	2.5
83	MP3A	Z	-1.47	2.5
84	MP3A	Mx	-.001	2.5
85	MP3B	X	-3.882	2.5
86	MP3B	Z	-2.241	2.5
87	MP3B	Mx	0	2.5
88	MP3C	X	-2.547	2.5
89	MP3C	Z	-1.47	2.5
90	MP3C	Mx	.001	2.5
91	M33	X	-7.205	1
92	M33	Z	-4.16	1
93	M33	Mx	0	1
94	M33	X	-4.735	1
95	M33	Z	-2.734	1
96	M33	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.388	3
2	MP1A	Z	-4.136	3
3	MP1A	Mx	.001	3
4	MP1A	X	-2.388	5
5	MP1A	Z	-4.136	5
6	MP1A	Mx	.001	5
7	MP1B	X	-2.388	3
8	MP1B	Z	-4.136	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP1B	Mx	.001	3
10	MP1B	X	-2.388	5
11	MP1B	Z	-4.136	5
12	MP1B	Mx	.001	5
13	MP1C	X	-1.103	3
14	MP1C	Z	-1.91	3
15	MP1C	Mx	-.001	3
16	MP1C	X	-1.103	5
17	MP1C	Z	-1.91	5
18	MP1C	Mx	-.001	5
19	MP2A	X	-4.432	1.5
20	MP2A	Z	-7.676	1.5
21	MP2A	Mx	-.002	1.5
22	MP2A	X	-4.432	6.5
23	MP2A	Z	-7.676	6.5
24	MP2A	Mx	-.002	6.5
25	MP2B	X	-4.432	1.5
26	MP2B	Z	-7.676	1.5
27	MP2B	Mx	.006	1.5
28	MP2B	X	-4.432	6.5
29	MP2B	Z	-7.676	6.5
30	MP2B	Mx	.006	6.5
31	MP2C	X	-3.201	1.5
32	MP2C	Z	-5.544	1.5
33	MP2C	Mx	-.003	1.5
34	MP2C	X	-3.201	6.5
35	MP2C	Z	-5.544	6.5
36	MP2C	Mx	-.003	6.5
37	MP2A	X	-4.432	1.5
38	MP2A	Z	-7.676	1.5
39	MP2A	Mx	.006	1.5
40	MP2A	X	-4.432	6.5
41	MP2A	Z	-7.676	6.5
42	MP2A	Mx	.006	6.5
43	MP2B	X	-4.432	1.5
44	MP2B	Z	-7.676	1.5
45	MP2B	Mx	-.002	1.5
46	MP2B	X	-4.432	6.5
47	MP2B	Z	-7.676	6.5
48	MP2B	Mx	-.002	6.5
49	MP2C	X	-3.201	1.5
50	MP2C	Z	-5.544	1.5
51	MP2C	Mx	-.003	1.5
52	MP2C	X	-3.201	6.5
53	MP2C	Z	-5.544	6.5
54	MP2C	Mx	-.003	6.5
55	MP4A	X	-2.018	2.5
56	MP4A	Z	-3.496	2.5
57	MP4A	Mx	.001	2.5
58	MP4A	X	-2.018	5.5
59	MP4A	Z	-3.496	5.5
60	MP4A	Mx	.001	5.5
61	MP4C	X	-1.674	2.5
62	MP4C	Z	-2.899	2.5
63	MP4C	Mx	-.002	2.5
64	MP4C	X	-1.674	5.5
65	MP4C	Z	-2.899	5.5
66	MP4C	Mx	-.002	5.5
67	MP4B	X	-2.487	2.5
68	MP4B	Z	-4.307	2.5
69	MP4B	Mx	.001	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP4B	X	-2.487	5.5
71	MP4B	Z	-4.307	5.5
72	MP4B	Mx	.001	5.5
73	MP2A	X	-2.055	2.5
74	MP2A	Z	-3.56	2.5
75	MP2A	Mx	-.001	2.5
76	MP2B	X	-2.055	2.5
77	MP2B	Z	-3.56	2.5
78	MP2B	Mx	-.001	2.5
79	MP2C	X	-1.498	2.5
80	MP2C	Z	-2.595	2.5
81	MP2C	Mx	.001	2.5
82	MP3A	X	-1.984	2.5
83	MP3A	Z	-3.437	2.5
84	MP3A	Mx	-.000992	2.5
85	MP3B	X	-1.984	2.5
86	MP3B	Z	-3.437	2.5
87	MP3B	Mx	-.000992	2.5
88	MP3C	X	-1.213	2.5
89	MP3C	Z	-2.102	2.5
90	MP3C	Mx	.001	2.5
91	M33	X	-4.542	1
92	M33	Z	-7.867	1
93	M33	Mx	0	1
94	M33	X	-2.996	1
95	M33	Z	-5.19	1
96	M33	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7	Y	-500	%82

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M4	Y	-500	%50

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M4	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7	Y	-250	%100

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-13.993	-13.993	0	%100
2	M2	Y	-13.993	-13.993	0	%100
3	M3	Y	-13.993	-13.993	0	%100
4	M4	Y	-13.993	-13.993	0	%100
5	M5	Y	-13.993	-13.993	0	%100
6	M6	Y	-13.993	-13.993	0	%100
7	M7	Y	-13.993	-13.993	0	%100
8	M8	Y	-13.993	-13.993	0	%100
9	M9	Y	-13.993	-13.993	0	%100
10	M10	Y	-13.993	-13.993	0	%100
11	M11	Y	-13.993	-13.993	0	%100
12	M12	Y	-13.993	-13.993	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M13	Y	-13.993	-13.993	0	%100
14	M14	Y	-13.993	-13.993	0	%100
15	M15	Y	-11.868	-11.868	0	%100
16	M16	Y	-11.868	-11.868	0	%100
17	M17	Y	-11.868	-11.868	0	%100
18	M18	Y	-19.455	-19.455	0	%100
19	M19	Y	-19.455	-19.455	0	%100
20	M20	Y	-19.455	-19.455	0	%100
21	M21	Y	-19.455	-19.455	0	%100
22	M22	Y	-19.455	-19.455	0	%100
23	M23	Y	-19.455	-19.455	0	%100
24	M24	Y	-9.019	-9.019	0	%100
25	M25	Y	-9.019	-9.019	0	%100
26	M26	Y	-4.832	-4.832	0	%100
27	M27	Y	-4.832	-4.832	0	%100
28	M28	Y	-4.832	-4.832	0	%100
29	M29	Y	-4.832	-4.832	0	%100
30	M30	Y	-4.832	-4.832	0	%100
31	M31	Y	-4.832	-4.832	0	%100
32	M32	Y	-4.832	-4.832	0	%100
33	M33	Y	-8.106	-8.106	0	%100
34	MP1A	Y	-8.106	-8.106	0	%100
35	MP2A	Y	-8.106	-8.106	0	%100
36	MP3A	Y	-8.106	-8.106	0	%100
37	MP4A	Y	-8.106	-8.106	0	%100
38	MP1B	Y	-8.106	-8.106	0	%100
39	MP2B	Y	-8.106	-8.106	0	%100
40	MP3B	Y	-8.106	-8.106	0	%100
41	MP4B	Y	-8.106	-8.106	0	%100
42	MP1C	Y	-8.106	-8.106	0	%100
43	MP2C	Y	-8.106	-8.106	0	%100
44	MP3C	Y	-8.106	-8.106	0	%100
45	MP4C	Y	-8.106	-8.106	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-5.998	-5.998	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-5.998	-5.998	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-23.991	-23.991	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-4.48	-4.48	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-4.48	-4.48	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-17.918	-17.918	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-5.998	-5.998	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-5.998	-5.998	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-23.991	-23.991	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-5.749	-5.749	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-5.749	-5.749	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-22.995	-22.995	0	%100
25	M13	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
26	M13	Z	-5.136	-5.136	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-14.584	-14.584	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	-6.309	-6.309	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	-6.309	-6.309	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	-.336	-.336	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	-.336	-.336	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	-.336	-.336	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	-.336	-.336	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	-1.344	-1.344	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	-1.344	-1.344	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	-11.946	-11.946	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	-11.946	-11.946	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	-1.779	-1.779	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	-1.779	-1.779	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	-1.779	-1.779	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	-1.779	-1.779	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	-1.779	-1.779	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	-1.779	-1.779	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	-1.779	-1.779	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	-8.155	-8.155	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	-8.511	-8.511	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	-8.511	-8.511	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	-8.511	-8.511	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	-8.511	-8.511	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	-8.511	-8.511	0	%100
77	MP2B	X	0	0	0	%100
78	MP2B	Z	-8.511	-8.511	0	%100
79	MP3B	X	0	0	0	%100
80	MP3B	Z	-8.511	-8.511	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	-8.511	-8.511	0	%100
83	MP1C	X	0	0	0	%100
84	MP1C	Z	-8.511	-8.511	0	%100
85	MP2C	X	0	0	0	%100
86	MP2C	Z	-8.511	-8.511	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-8.511	-8.511	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-8.511	-8.511	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	8.997	8.997	0	%100
2	M1	Z	-15.582	-15.582	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	8.997	8.997	0	%100
6	M3	Z	-15.582	-15.582	0	%100
7	M4	X	6.719	6.719	0	%100
8	M4	Z	-11.638	-11.638	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	6.719	6.719	0	%100
12	M6	Z	-11.638	-11.638	0	%100
13	M7	X	8.997	8.997	0	%100
14	M7	Z	-15.582	-15.582	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	8.997	8.997	0	%100
18	M9	Z	-15.582	-15.582	0	%100
19	M10	X	8.623	8.623	0	%100
20	M10	Z	-14.936	-14.936	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	8.623	8.623	0	%100
24	M12	Z	-14.936	-14.936	0	%100
25	M13	X	7.704	7.704	0	%100
26	M13	Z	-13.344	-13.344	0	%100
27	M14	X	2.431	2.431	0	%100
28	M14	Z	-4.21	-4.21	0	%100
29	M15	X	1.051	1.051	0	%100
30	M15	Z	-1.821	-1.821	0	%100
31	M16	X	1.051	1.051	0	%100
32	M16	Z	-1.821	-1.821	0	%100
33	M17	X	4.206	4.206	0	%100
34	M17	Z	-7.285	-7.285	0	%100
35	M18	X	.504	.504	0	%100
36	M18	Z	-.873	-.873	0	%100
37	M19	X	.504	.504	0	%100
38	M19	Z	-.873	-.873	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	.504	.504	0	%100
44	M22	Z	-.873	-.873	0	%100
45	M23	X	.504	.504	0	%100
46	M23	Z	-.873	-.873	0	%100
47	M24	X	5.973	5.973	0	%100
48	M24	Z	-10.345	-10.345	0	%100
49	M25	X	5.973	5.973	0	%100
50	M25	Z	-10.345	-10.345	0	%100
51	M26	X	.297	.297	0	%100
52	M26	Z	-.514	-.514	0	%100
53	M27	X	.297	.297	0	%100
54	M27	Z	-.514	-.514	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
55	M28	X	.297	.297	0	%100
56	M28	Z	-.514	-.514	0	%100
57	M29	X	.297	.297	0	%100
58	M29	Z	-.514	-.514	0	%100
59	M30	X	.297	.297	0	%100
60	M30	Z	-.514	-.514	0	%100
61	M31	X	.297	.297	0	%100
62	M31	Z	-.514	-.514	0	%100
63	M32	X	.297	.297	0	%100
64	M32	Z	-.514	-.514	0	%100
65	M33	X	4.077	4.077	0	%100
66	M33	Z	-7.062	-7.062	0	%100
67	MP1A	X	4.256	4.256	0	%100
68	MP1A	Z	-7.371	-7.371	0	%100
69	MP2A	X	4.256	4.256	0	%100
70	MP2A	Z	-7.371	-7.371	0	%100
71	MP3A	X	4.256	4.256	0	%100
72	MP3A	Z	-7.371	-7.371	0	%100
73	MP4A	X	4.256	4.256	0	%100
74	MP4A	Z	-7.371	-7.371	0	%100
75	MP1B	X	4.256	4.256	0	%100
76	MP1B	Z	-7.371	-7.371	0	%100
77	MP2B	X	4.256	4.256	0	%100
78	MP2B	Z	-7.371	-7.371	0	%100
79	MP3B	X	4.256	4.256	0	%100
80	MP3B	Z	-7.371	-7.371	0	%100
81	MP4B	X	4.256	4.256	0	%100
82	MP4B	Z	-7.371	-7.371	0	%100
83	MP1C	X	4.256	4.256	0	%100
84	MP1C	Z	-7.371	-7.371	0	%100
85	MP2C	X	4.256	4.256	0	%100
86	MP2C	Z	-7.371	-7.371	0	%100
87	MP3C	X	4.256	4.256	0	%100
88	MP3C	Z	-7.371	-7.371	0	%100
89	MP4C	X	4.256	4.256	0	%100
90	MP4C	Z	-7.371	-7.371	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	20.777	20.777	0	%100
2	M1	Z	-11.995	-11.995	0	%100
3	M2	X	5.194	5.194	0	%100
4	M2	Z	-2.999	-2.999	0	%100
5	M3	X	5.194	5.194	0	%100
6	M3	Z	-2.999	-2.999	0	%100
7	M4	X	15.518	15.518	0	%100
8	M4	Z	-8.959	-8.959	0	%100
9	M5	X	3.879	3.879	0	%100
10	M5	Z	-2.24	-2.24	0	%100
11	M6	X	3.879	3.879	0	%100
12	M6	Z	-2.24	-2.24	0	%100
13	M7	X	20.777	20.777	0	%100
14	M7	Z	-11.995	-11.995	0	%100
15	M8	X	5.194	5.194	0	%100
16	M8	Z	-2.999	-2.999	0	%100
17	M9	X	5.194	5.194	0	%100
18	M9	Z	-2.999	-2.999	0	%100
19	M10	X	19.915	19.915	0	%100
20	M10	Z	-11.498	-11.498	0	%100
21	M11	X	4.979	4.979	0	%100
22	M11	Z	-2.874	-2.874	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
23	M12	X	4.979	4.979	0	%100
24	M12	Z	-2.874	-2.874	0	%100
25	M13	X	17.792	17.792	0	%100
26	M13	Z	-10.272	-10.272	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	5.464	5.464	0	%100
30	M15	Z	-3.154	-3.154	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	5.464	5.464	0	%100
34	M17	Z	-3.154	-3.154	0	%100
35	M18	X	1.164	1.164	0	%100
36	M18	Z	-.672	-.672	0	%100
37	M19	X	1.164	1.164	0	%100
38	M19	Z	-.672	-.672	0	%100
39	M20	X	.291	.291	0	%100
40	M20	Z	-.168	-.168	0	%100
41	M21	X	.291	.291	0	%100
42	M21	Z	-.168	-.168	0	%100
43	M22	X	.291	.291	0	%100
44	M22	Z	-.168	-.168	0	%100
45	M23	X	.291	.291	0	%100
46	M23	Z	-.168	-.168	0	%100
47	M24	X	10.345	10.345	0	%100
48	M24	Z	-5.973	-5.973	0	%100
49	M25	X	10.345	10.345	0	%100
50	M25	Z	-5.973	-5.973	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	7.062	7.062	0	%100
66	M33	Z	-4.077	-4.077	0	%100
67	MP1A	X	7.371	7.371	0	%100
68	MP1A	Z	-4.256	-4.256	0	%100
69	MP2A	X	7.371	7.371	0	%100
70	MP2A	Z	-4.256	-4.256	0	%100
71	MP3A	X	7.371	7.371	0	%100
72	MP3A	Z	-4.256	-4.256	0	%100
73	MP4A	X	7.371	7.371	0	%100
74	MP4A	Z	-4.256	-4.256	0	%100
75	MP1B	X	7.371	7.371	0	%100
76	MP1B	Z	-4.256	-4.256	0	%100
77	MP2B	X	7.371	7.371	0	%100
78	MP2B	Z	-4.256	-4.256	0	%100
79	MP3B	X	7.371	7.371	0	%100
80	MP3B	Z	-4.256	-4.256	0	%100
81	MP4B	X	7.371	7.371	0	%100
82	MP4B	Z	-4.256	-4.256	0	%100
83	MP1C	X	7.371	7.371	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
84	MP1C	Z	-4.256	-4.256	0	%100
85	MP2C	X	7.371	7.371	0	%100
86	MP2C	Z	-4.256	-4.256	0	%100
87	MP3C	X	7.371	7.371	0	%100
88	MP3C	Z	-4.256	-4.256	0	%100
89	MP4C	X	7.371	7.371	0	%100
90	MP4C	Z	-4.256	-4.256	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	17.993	17.993	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	17.993	17.993	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	13.439	13.439	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	13.439	13.439	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	17.993	17.993	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	17.993	17.993	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	17.246	17.246	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	17.246	17.246	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	15.409	15.409	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	4.861	4.861	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	8.412	8.412	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	2.103	2.103	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	2.103	2.103	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	1.008	1.008	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	1.008	1.008	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	1.008	1.008	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	1.008	1.008	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	11.946	11.946	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	11.946	11.946	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	.593	.593	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M26	Z	0	0	0	%100
53	M27	X	.593	.593	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	.593	.593	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	.593	.593	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	.593	.593	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	.593	.593	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	.593	.593	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	8.155	8.155	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	8.511	8.511	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	8.511	8.511	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	8.511	8.511	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	8.511	8.511	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1B	X	8.511	8.511	0	%100
76	MP1B	Z	0	0	0	%100
77	MP2B	X	8.511	8.511	0	%100
78	MP2B	Z	0	0	0	%100
79	MP3B	X	8.511	8.511	0	%100
80	MP3B	Z	0	0	0	%100
81	MP4B	X	8.511	8.511	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1C	X	8.511	8.511	0	%100
84	MP1C	Z	0	0	0	%100
85	MP2C	X	8.511	8.511	0	%100
86	MP2C	Z	0	0	0	%100
87	MP3C	X	8.511	8.511	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	8.511	8.511	0	%100
90	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.194	5.194	0	%100
2	M1	Z	2.999	2.999	0	%100
3	M2	X	20.777	20.777	0	%100
4	M2	Z	11.995	11.995	0	%100
5	M3	X	5.194	5.194	0	%100
6	M3	Z	2.999	2.999	0	%100
7	M4	X	3.879	3.879	0	%100
8	M4	Z	2.24	2.24	0	%100
9	M5	X	15.518	15.518	0	%100
10	M5	Z	8.959	8.959	0	%100
11	M6	X	3.879	3.879	0	%100
12	M6	Z	2.24	2.24	0	%100
13	M7	X	5.194	5.194	0	%100
14	M7	Z	2.999	2.999	0	%100
15	M8	X	20.777	20.777	0	%100
16	M8	Z	11.995	11.995	0	%100
17	M9	X	5.194	5.194	0	%100
18	M9	Z	2.999	2.999	0	%100
19	M10	X	4.979	4.979	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
20	M10	Z	2.874	2.874	0	%100
21	M11	X	19.915	19.915	0	%100
22	M11	Z	11.498	11.498	0	%100
23	M12	X	4.979	4.979	0	%100
24	M12	Z	2.874	2.874	0	%100
25	M13	X	4.448	4.448	0	%100
26	M13	Z	2.568	2.568	0	%100
27	M14	X	12.63	12.63	0	%100
28	M14	Z	7.292	7.292	0	%100
29	M15	X	5.464	5.464	0	%100
30	M15	Z	3.154	3.154	0	%100
31	M16	X	5.464	5.464	0	%100
32	M16	Z	3.154	3.154	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	.291	.291	0	%100
36	M18	Z	.168	.168	0	%100
37	M19	X	.291	.291	0	%100
38	M19	Z	.168	.168	0	%100
39	M20	X	1.164	1.164	0	%100
40	M20	Z	.672	.672	0	%100
41	M21	X	1.164	1.164	0	%100
42	M21	Z	.672	.672	0	%100
43	M22	X	.291	.291	0	%100
44	M22	Z	.168	.168	0	%100
45	M23	X	.291	.291	0	%100
46	M23	Z	.168	.168	0	%100
47	M24	X	10.345	10.345	0	%100
48	M24	Z	5.973	5.973	0	%100
49	M25	X	10.345	10.345	0	%100
50	M25	Z	5.973	5.973	0	%100
51	M26	X	1.541	1.541	0	%100
52	M26	Z	.89	.89	0	%100
53	M27	X	1.541	1.541	0	%100
54	M27	Z	.89	.89	0	%100
55	M28	X	1.541	1.541	0	%100
56	M28	Z	.89	.89	0	%100
57	M29	X	1.541	1.541	0	%100
58	M29	Z	.89	.89	0	%100
59	M30	X	1.541	1.541	0	%100
60	M30	Z	.89	.89	0	%100
61	M31	X	1.541	1.541	0	%100
62	M31	Z	.89	.89	0	%100
63	M32	X	1.541	1.541	0	%100
64	M32	Z	.89	.89	0	%100
65	M33	X	7.062	7.062	0	%100
66	M33	Z	4.077	4.077	0	%100
67	MP1A	X	7.371	7.371	0	%100
68	MP1A	Z	4.256	4.256	0	%100
69	MP2A	X	7.371	7.371	0	%100
70	MP2A	Z	4.256	4.256	0	%100
71	MP3A	X	7.371	7.371	0	%100
72	MP3A	Z	4.256	4.256	0	%100
73	MP4A	X	7.371	7.371	0	%100
74	MP4A	Z	4.256	4.256	0	%100
75	MP1B	X	7.371	7.371	0	%100
76	MP1B	Z	4.256	4.256	0	%100
77	MP2B	X	7.371	7.371	0	%100
78	MP2B	Z	4.256	4.256	0	%100
79	MP3B	X	7.371	7.371	0	%100
80	MP3B	Z	4.256	4.256	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
81	MP4B	X	7.371	7.371	0	%100
82	MP4B	Z	4.256	4.256	0	%100
83	MP1C	X	7.371	7.371	0	%100
84	MP1C	Z	4.256	4.256	0	%100
85	MP2C	X	7.371	7.371	0	%100
86	MP2C	Z	4.256	4.256	0	%100
87	MP3C	X	7.371	7.371	0	%100
88	MP3C	Z	4.256	4.256	0	%100
89	MP4C	X	7.371	7.371	0	%100
90	MP4C	Z	4.256	4.256	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	8.997	8.997	0	%100
4	M2	Z	15.582	15.582	0	%100
5	M3	X	8.997	8.997	0	%100
6	M3	Z	15.582	15.582	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	6.719	6.719	0	%100
10	M5	Z	11.638	11.638	0	%100
11	M6	X	6.719	6.719	0	%100
12	M6	Z	11.638	11.638	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	8.997	8.997	0	%100
16	M8	Z	15.582	15.582	0	%100
17	M9	X	8.997	8.997	0	%100
18	M9	Z	15.582	15.582	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	8.623	8.623	0	%100
22	M11	Z	14.936	14.936	0	%100
23	M12	X	8.623	8.623	0	%100
24	M12	Z	14.936	14.936	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	9.722	9.722	0	%100
28	M14	Z	16.84	16.84	0	%100
29	M15	X	1.051	1.051	0	%100
30	M15	Z	1.821	1.821	0	%100
31	M16	X	4.206	4.206	0	%100
32	M16	Z	7.285	7.285	0	%100
33	M17	X	1.051	1.051	0	%100
34	M17	Z	1.821	1.821	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	.504	.504	0	%100
40	M20	Z	.873	.873	0	%100
41	M21	X	.504	.504	0	%100
42	M21	Z	.873	.873	0	%100
43	M22	X	.504	.504	0	%100
44	M22	Z	.873	.873	0	%100
45	M23	X	.504	.504	0	%100
46	M23	Z	.873	.873	0	%100
47	M24	X	5.973	5.973	0	%100
48	M24	Z	10.345	10.345	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	M25	X	5.973	5.973	0	%100
50	M25	Z	10.345	10.345	0	%100
51	M26	X	1.186	1.186	0	%100
52	M26	Z	2.055	2.055	0	%100
53	M27	X	1.186	1.186	0	%100
54	M27	Z	2.055	2.055	0	%100
55	M28	X	1.186	1.186	0	%100
56	M28	Z	2.055	2.055	0	%100
57	M29	X	1.186	1.186	0	%100
58	M29	Z	2.055	2.055	0	%100
59	M30	X	1.186	1.186	0	%100
60	M30	Z	2.055	2.055	0	%100
61	M31	X	1.186	1.186	0	%100
62	M31	Z	2.055	2.055	0	%100
63	M32	X	1.186	1.186	0	%100
64	M32	Z	2.055	2.055	0	%100
65	M33	X	4.077	4.077	0	%100
66	M33	Z	7.062	7.062	0	%100
67	MP1A	X	4.256	4.256	0	%100
68	MP1A	Z	7.371	7.371	0	%100
69	MP2A	X	4.256	4.256	0	%100
70	MP2A	Z	7.371	7.371	0	%100
71	MP3A	X	4.256	4.256	0	%100
72	MP3A	Z	7.371	7.371	0	%100
73	MP4A	X	4.256	4.256	0	%100
74	MP4A	Z	7.371	7.371	0	%100
75	MP1B	X	4.256	4.256	0	%100
76	MP1B	Z	7.371	7.371	0	%100
77	MP2B	X	4.256	4.256	0	%100
78	MP2B	Z	7.371	7.371	0	%100
79	MP3B	X	4.256	4.256	0	%100
80	MP3B	Z	7.371	7.371	0	%100
81	MP4B	X	4.256	4.256	0	%100
82	MP4B	Z	7.371	7.371	0	%100
83	MP1C	X	4.256	4.256	0	%100
84	MP1C	Z	7.371	7.371	0	%100
85	MP2C	X	4.256	4.256	0	%100
86	MP2C	Z	7.371	7.371	0	%100
87	MP3C	X	4.256	4.256	0	%100
88	MP3C	Z	7.371	7.371	0	%100
89	MP4C	X	4.256	4.256	0	%100
90	MP4C	Z	7.371	7.371	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	5.998	5.998	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	5.998	5.998	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	23.991	23.991	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	4.48	4.48	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	4.48	4.48	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	17.918	17.918	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	5.998	5.998	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	5.998	5.998	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M9	X	0	0	0	%100
18	M9	Z	23.991	23.991	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	5.749	5.749	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	5.749	5.749	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	22.995	22.995	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	5.136	5.136	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	14.584	14.584	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	6.309	6.309	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	6.309	6.309	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	.336	.336	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	.336	.336	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	.336	.336	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	.336	.336	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	1.344	1.344	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	1.344	1.344	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	11.946	11.946	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	11.946	11.946	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	1.779	1.779	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	1.779	1.779	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	1.779	1.779	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	1.779	1.779	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	1.779	1.779	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	1.779	1.779	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	1.779	1.779	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	8.155	8.155	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	8.511	8.511	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	8.511	8.511	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	8.511	8.511	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	8.511	8.511	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	8.511	8.511	0	%100
77	MP2B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
78	MP2B	Z	8.511	8.511	0	%100
79	MP3B	X	0	0	0	%100
80	MP3B	Z	8.511	8.511	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	8.511	8.511	0	%100
83	MP1C	X	0	0	0	%100
84	MP1C	Z	8.511	8.511	0	%100
85	MP2C	X	0	0	0	%100
86	MP2C	Z	8.511	8.511	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	8.511	8.511	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	8.511	8.511	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-8.997	-8.997	0	%100
2	M1	Z	15.582	15.582	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-8.997	-8.997	0	%100
6	M3	Z	15.582	15.582	0	%100
7	M4	X	-6.719	-6.719	0	%100
8	M4	Z	11.638	11.638	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-6.719	-6.719	0	%100
12	M6	Z	11.638	11.638	0	%100
13	M7	X	-8.997	-8.997	0	%100
14	M7	Z	15.582	15.582	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-8.997	-8.997	0	%100
18	M9	Z	15.582	15.582	0	%100
19	M10	X	-8.623	-8.623	0	%100
20	M10	Z	14.936	14.936	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-8.623	-8.623	0	%100
24	M12	Z	14.936	14.936	0	%100
25	M13	X	-7.704	-7.704	0	%100
26	M13	Z	13.344	13.344	0	%100
27	M14	X	-2.431	-2.431	0	%100
28	M14	Z	4.21	4.21	0	%100
29	M15	X	-1.051	-1.051	0	%100
30	M15	Z	1.821	1.821	0	%100
31	M16	X	-1.051	-1.051	0	%100
32	M16	Z	1.821	1.821	0	%100
33	M17	X	-4.206	-4.206	0	%100
34	M17	Z	7.285	7.285	0	%100
35	M18	X	-.504	-.504	0	%100
36	M18	Z	.873	.873	0	%100
37	M19	X	-.504	-.504	0	%100
38	M19	Z	.873	.873	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	-.504	-.504	0	%100
44	M22	Z	.873	.873	0	%100
45	M23	X	-.504	-.504	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M23	Z	.873	.873	0	%100
47	M24	X	-5.973	-5.973	0	%100
48	M24	Z	10.345	10.345	0	%100
49	M25	X	-5.973	-5.973	0	%100
50	M25	Z	10.345	10.345	0	%100
51	M26	X	-.297	-.297	0	%100
52	M26	Z	.514	.514	0	%100
53	M27	X	-.297	-.297	0	%100
54	M27	Z	.514	.514	0	%100
55	M28	X	-.297	-.297	0	%100
56	M28	Z	.514	.514	0	%100
57	M29	X	-.297	-.297	0	%100
58	M29	Z	.514	.514	0	%100
59	M30	X	-.297	-.297	0	%100
60	M30	Z	.514	.514	0	%100
61	M31	X	-.297	-.297	0	%100
62	M31	Z	.514	.514	0	%100
63	M32	X	-.297	-.297	0	%100
64	M32	Z	.514	.514	0	%100
65	M33	X	-4.077	-4.077	0	%100
66	M33	Z	7.062	7.062	0	%100
67	MP1A	X	-4.256	-4.256	0	%100
68	MP1A	Z	7.371	7.371	0	%100
69	MP2A	X	-4.256	-4.256	0	%100
70	MP2A	Z	7.371	7.371	0	%100
71	MP3A	X	-4.256	-4.256	0	%100
72	MP3A	Z	7.371	7.371	0	%100
73	MP4A	X	-4.256	-4.256	0	%100
74	MP4A	Z	7.371	7.371	0	%100
75	MP1B	X	-4.256	-4.256	0	%100
76	MP1B	Z	7.371	7.371	0	%100
77	MP2B	X	-4.256	-4.256	0	%100
78	MP2B	Z	7.371	7.371	0	%100
79	MP3B	X	-4.256	-4.256	0	%100
80	MP3B	Z	7.371	7.371	0	%100
81	MP4B	X	-4.256	-4.256	0	%100
82	MP4B	Z	7.371	7.371	0	%100
83	MP1C	X	-4.256	-4.256	0	%100
84	MP1C	Z	7.371	7.371	0	%100
85	MP2C	X	-4.256	-4.256	0	%100
86	MP2C	Z	7.371	7.371	0	%100
87	MP3C	X	-4.256	-4.256	0	%100
88	MP3C	Z	7.371	7.371	0	%100
89	MP4C	X	-4.256	-4.256	0	%100
90	MP4C	Z	7.371	7.371	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-20.777	-20.777	0	%100
2	M1	Z	11.995	11.995	0	%100
3	M2	X	-5.194	-5.194	0	%100
4	M2	Z	2.999	2.999	0	%100
5	M3	X	-5.194	-5.194	0	%100
6	M3	Z	2.999	2.999	0	%100
7	M4	X	-15.518	-15.518	0	%100
8	M4	Z	8.959	8.959	0	%100
9	M5	X	-3.879	-3.879	0	%100
10	M5	Z	2.24	2.24	0	%100
11	M6	X	-3.879	-3.879	0	%100
12	M6	Z	2.24	2.24	0	%100
13	M7	X	-20.777	-20.777	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
14	M7	Z	11.995	11.995	0	%100
15	M8	X	-5.194	-5.194	0	%100
16	M8	Z	2.999	2.999	0	%100
17	M9	X	-5.194	-5.194	0	%100
18	M9	Z	2.999	2.999	0	%100
19	M10	X	-19.915	-19.915	0	%100
20	M10	Z	11.498	11.498	0	%100
21	M11	X	-4.979	-4.979	0	%100
22	M11	Z	2.874	2.874	0	%100
23	M12	X	-4.979	-4.979	0	%100
24	M12	Z	2.874	2.874	0	%100
25	M13	X	-17.792	-17.792	0	%100
26	M13	Z	10.272	10.272	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-5.464	-5.464	0	%100
30	M15	Z	3.154	3.154	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-5.464	-5.464	0	%100
34	M17	Z	3.154	3.154	0	%100
35	M18	X	-1.164	-1.164	0	%100
36	M18	Z	.672	.672	0	%100
37	M19	X	-1.164	-1.164	0	%100
38	M19	Z	.672	.672	0	%100
39	M20	X	-.291	-.291	0	%100
40	M20	Z	.168	.168	0	%100
41	M21	X	-.291	-.291	0	%100
42	M21	Z	.168	.168	0	%100
43	M22	X	-.291	-.291	0	%100
44	M22	Z	.168	.168	0	%100
45	M23	X	-.291	-.291	0	%100
46	M23	Z	.168	.168	0	%100
47	M24	X	-10.345	-10.345	0	%100
48	M24	Z	5.973	5.973	0	%100
49	M25	X	-10.345	-10.345	0	%100
50	M25	Z	5.973	5.973	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	-7.062	-7.062	0	%100
66	M33	Z	4.077	4.077	0	%100
67	MP1A	X	-7.371	-7.371	0	%100
68	MP1A	Z	4.256	4.256	0	%100
69	MP2A	X	-7.371	-7.371	0	%100
70	MP2A	Z	4.256	4.256	0	%100
71	MP3A	X	-7.371	-7.371	0	%100
72	MP3A	Z	4.256	4.256	0	%100
73	MP4A	X	-7.371	-7.371	0	%100
74	MP4A	Z	4.256	4.256	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
75	MP1B	X	-7.371	-7.371	0	%100
76	MP1B	Z	4.256	4.256	0	%100
77	MP2B	X	-7.371	-7.371	0	%100
78	MP2B	Z	4.256	4.256	0	%100
79	MP3B	X	-7.371	-7.371	0	%100
80	MP3B	Z	4.256	4.256	0	%100
81	MP4B	X	-7.371	-7.371	0	%100
82	MP4B	Z	4.256	4.256	0	%100
83	MP1C	X	-7.371	-7.371	0	%100
84	MP1C	Z	4.256	4.256	0	%100
85	MP2C	X	-7.371	-7.371	0	%100
86	MP2C	Z	4.256	4.256	0	%100
87	MP3C	X	-7.371	-7.371	0	%100
88	MP3C	Z	4.256	4.256	0	%100
89	MP4C	X	-7.371	-7.371	0	%100
90	MP4C	Z	4.256	4.256	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-17.993	-17.993	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-17.993	-17.993	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-13.439	-13.439	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-13.439	-13.439	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-17.993	-17.993	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-17.993	-17.993	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-17.246	-17.246	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-17.246	-17.246	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-15.409	-15.409	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-4.861	-4.861	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-8.412	-8.412	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	-2.103	-2.103	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-2.103	-2.103	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-1.008	-1.008	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	-1.008	-1.008	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	-1.008	-1.008	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	-1.008	-1.008	0	%100
42	M21	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-11.946	-11.946	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	-11.946	-11.946	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	-.593	-.593	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-.593	-.593	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	-.593	-.593	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	-.593	-.593	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	-.593	-.593	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	-.593	-.593	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	-.593	-.593	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	-8.155	-8.155	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	-8.511	-8.511	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	-8.511	-8.511	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	-8.511	-8.511	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	-8.511	-8.511	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1B	X	-8.511	-8.511	0	%100
76	MP1B	Z	0	0	0	%100
77	MP2B	X	-8.511	-8.511	0	%100
78	MP2B	Z	0	0	0	%100
79	MP3B	X	-8.511	-8.511	0	%100
80	MP3B	Z	0	0	0	%100
81	MP4B	X	-8.511	-8.511	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1C	X	-8.511	-8.511	0	%100
84	MP1C	Z	0	0	0	%100
85	MP2C	X	-8.511	-8.511	0	%100
86	MP2C	Z	0	0	0	%100
87	MP3C	X	-8.511	-8.511	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-8.511	-8.511	0	%100
90	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.194	-5.194	0	%100
2	M1	Z	-2.999	-2.999	0	%100
3	M2	X	-20.777	-20.777	0	%100
4	M2	Z	-11.995	-11.995	0	%100
5	M3	X	-5.194	-5.194	0	%100
6	M3	Z	-2.999	-2.999	0	%100
7	M4	X	-3.879	-3.879	0	%100
8	M4	Z	-2.24	-2.24	0	%100
9	M5	X	-15.518	-15.518	0	%100
10	M5	Z	-8.959	-8.959	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M6	X	-3.879	-3.879	0	%100
12	M6	Z	-2.24	-2.24	0	%100
13	M7	X	-5.194	-5.194	0	%100
14	M7	Z	-2.999	-2.999	0	%100
15	M8	X	-20.777	-20.777	0	%100
16	M8	Z	-11.995	-11.995	0	%100
17	M9	X	-5.194	-5.194	0	%100
18	M9	Z	-2.999	-2.999	0	%100
19	M10	X	-4.979	-4.979	0	%100
20	M10	Z	-2.874	-2.874	0	%100
21	M11	X	-19.915	-19.915	0	%100
22	M11	Z	-11.498	-11.498	0	%100
23	M12	X	-4.979	-4.979	0	%100
24	M12	Z	-2.874	-2.874	0	%100
25	M13	X	-4.448	-4.448	0	%100
26	M13	Z	-2.568	-2.568	0	%100
27	M14	X	-12.63	-12.63	0	%100
28	M14	Z	-7.292	-7.292	0	%100
29	M15	X	-5.464	-5.464	0	%100
30	M15	Z	-3.154	-3.154	0	%100
31	M16	X	-5.464	-5.464	0	%100
32	M16	Z	-3.154	-3.154	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-.291	-.291	0	%100
36	M18	Z	-.168	-.168	0	%100
37	M19	X	-.291	-.291	0	%100
38	M19	Z	-.168	-.168	0	%100
39	M20	X	-1.164	-1.164	0	%100
40	M20	Z	-.672	-.672	0	%100
41	M21	X	-1.164	-1.164	0	%100
42	M21	Z	-.672	-.672	0	%100
43	M22	X	-.291	-.291	0	%100
44	M22	Z	-.168	-.168	0	%100
45	M23	X	-.291	-.291	0	%100
46	M23	Z	-.168	-.168	0	%100
47	M24	X	-10.345	-10.345	0	%100
48	M24	Z	-5.973	-5.973	0	%100
49	M25	X	-10.345	-10.345	0	%100
50	M25	Z	-5.973	-5.973	0	%100
51	M26	X	-1.541	-1.541	0	%100
52	M26	Z	-.89	-.89	0	%100
53	M27	X	-1.541	-1.541	0	%100
54	M27	Z	-.89	-.89	0	%100
55	M28	X	-1.541	-1.541	0	%100
56	M28	Z	-.89	-.89	0	%100
57	M29	X	-1.541	-1.541	0	%100
58	M29	Z	-.89	-.89	0	%100
59	M30	X	-1.541	-1.541	0	%100
60	M30	Z	-.89	-.89	0	%100
61	M31	X	-1.541	-1.541	0	%100
62	M31	Z	-.89	-.89	0	%100
63	M32	X	-1.541	-1.541	0	%100
64	M32	Z	-.89	-.89	0	%100
65	M33	X	-7.062	-7.062	0	%100
66	M33	Z	-4.077	-4.077	0	%100
67	MP1A	X	-7.371	-7.371	0	%100
68	MP1A	Z	-4.256	-4.256	0	%100
69	MP2A	X	-7.371	-7.371	0	%100
70	MP2A	Z	-4.256	-4.256	0	%100
71	MP3A	X	-7.371	-7.371	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
72	MP3A	Z	-4.256	-4.256	0	%100
73	MP4A	X	-7.371	-7.371	0	%100
74	MP4A	Z	-4.256	-4.256	0	%100
75	MP1B	X	-7.371	-7.371	0	%100
76	MP1B	Z	-4.256	-4.256	0	%100
77	MP2B	X	-7.371	-7.371	0	%100
78	MP2B	Z	-4.256	-4.256	0	%100
79	MP3B	X	-7.371	-7.371	0	%100
80	MP3B	Z	-4.256	-4.256	0	%100
81	MP4B	X	-7.371	-7.371	0	%100
82	MP4B	Z	-4.256	-4.256	0	%100
83	MP1C	X	-7.371	-7.371	0	%100
84	MP1C	Z	-4.256	-4.256	0	%100
85	MP2C	X	-7.371	-7.371	0	%100
86	MP2C	Z	-4.256	-4.256	0	%100
87	MP3C	X	-7.371	-7.371	0	%100
88	MP3C	Z	-4.256	-4.256	0	%100
89	MP4C	X	-7.371	-7.371	0	%100
90	MP4C	Z	-4.256	-4.256	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-8.997	-8.997	0	%100
4	M2	Z	-15.582	-15.582	0	%100
5	M3	X	-8.997	-8.997	0	%100
6	M3	Z	-15.582	-15.582	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-6.719	-6.719	0	%100
10	M5	Z	-11.638	-11.638	0	%100
11	M6	X	-6.719	-6.719	0	%100
12	M6	Z	-11.638	-11.638	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-8.997	-8.997	0	%100
16	M8	Z	-15.582	-15.582	0	%100
17	M9	X	-8.997	-8.997	0	%100
18	M9	Z	-15.582	-15.582	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-8.623	-8.623	0	%100
22	M11	Z	-14.936	-14.936	0	%100
23	M12	X	-8.623	-8.623	0	%100
24	M12	Z	-14.936	-14.936	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-9.722	-9.722	0	%100
28	M14	Z	-16.84	-16.84	0	%100
29	M15	X	-1.051	-1.051	0	%100
30	M15	Z	-1.821	-1.821	0	%100
31	M16	X	-4.206	-4.206	0	%100
32	M16	Z	-7.285	-7.285	0	%100
33	M17	X	-1.051	-1.051	0	%100
34	M17	Z	-1.821	-1.821	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	-.504	-.504	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M20	Z	-.873	-.873	0	%100
41	M21	X	-.504	-.504	0	%100
42	M21	Z	-.873	-.873	0	%100
43	M22	X	-.504	-.504	0	%100
44	M22	Z	-.873	-.873	0	%100
45	M23	X	-.504	-.504	0	%100
46	M23	Z	-.873	-.873	0	%100
47	M24	X	-5.973	-5.973	0	%100
48	M24	Z	-10.345	-10.345	0	%100
49	M25	X	-5.973	-5.973	0	%100
50	M25	Z	-10.345	-10.345	0	%100
51	M26	X	-1.186	-1.186	0	%100
52	M26	Z	-2.055	-2.055	0	%100
53	M27	X	-1.186	-1.186	0	%100
54	M27	Z	-2.055	-2.055	0	%100
55	M28	X	-1.186	-1.186	0	%100
56	M28	Z	-2.055	-2.055	0	%100
57	M29	X	-1.186	-1.186	0	%100
58	M29	Z	-2.055	-2.055	0	%100
59	M30	X	-1.186	-1.186	0	%100
60	M30	Z	-2.055	-2.055	0	%100
61	M31	X	-1.186	-1.186	0	%100
62	M31	Z	-2.055	-2.055	0	%100
63	M32	X	-1.186	-1.186	0	%100
64	M32	Z	-2.055	-2.055	0	%100
65	M33	X	-4.077	-4.077	0	%100
66	M33	Z	-7.062	-7.062	0	%100
67	MP1A	X	-4.256	-4.256	0	%100
68	MP1A	Z	-7.371	-7.371	0	%100
69	MP2A	X	-4.256	-4.256	0	%100
70	MP2A	Z	-7.371	-7.371	0	%100
71	MP3A	X	-4.256	-4.256	0	%100
72	MP3A	Z	-7.371	-7.371	0	%100
73	MP4A	X	-4.256	-4.256	0	%100
74	MP4A	Z	-7.371	-7.371	0	%100
75	MP1B	X	-4.256	-4.256	0	%100
76	MP1B	Z	-7.371	-7.371	0	%100
77	MP2B	X	-4.256	-4.256	0	%100
78	MP2B	Z	-7.371	-7.371	0	%100
79	MP3B	X	-4.256	-4.256	0	%100
80	MP3B	Z	-7.371	-7.371	0	%100
81	MP4B	X	-4.256	-4.256	0	%100
82	MP4B	Z	-7.371	-7.371	0	%100
83	MP1C	X	-4.256	-4.256	0	%100
84	MP1C	Z	-7.371	-7.371	0	%100
85	MP2C	X	-4.256	-4.256	0	%100
86	MP2C	Z	-7.371	-7.371	0	%100
87	MP3C	X	-4.256	-4.256	0	%100
88	MP3C	Z	-7.371	-7.371	0	%100
89	MP4C	X	-4.256	-4.256	0	%100
90	MP4C	Z	-7.371	-7.371	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-1.613	-1.613	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-1.613	-1.613	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-6.45	-6.45	0	%100
7	M4	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M4	Z	-1.164	-1.164	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-1.164	-1.164	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-4.656	-4.656	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-1.613	-1.613	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-1.613	-1.613	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-6.45	-6.45	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-1.535	-1.535	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-1.535	-1.535	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-6.142	-6.142	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	-1.349	-1.349	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-3.816	-3.816	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	-2.306	-2.306	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	-2.306	-2.306	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	-.388	-.388	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	-.388	-.388	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	-.388	-.388	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	-.388	-.388	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	-1.552	-1.552	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	-1.552	-1.552	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	-4.415	-4.415	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	-4.415	-4.415	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	-1.344	-1.344	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	-1.344	-1.344	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	-1.344	-1.344	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	-1.344	-1.344	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	-1.344	-1.344	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	-1.344	-1.344	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	-1.344	-1.344	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	-3.36	-3.36	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	-3.777	-3.777	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	MP2A	X	0	0	0	%100
70	MP2A	Z	-3.777	-3.777	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	-3.777	-3.777	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	-3.777	-3.777	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	-3.777	-3.777	0	%100
77	MP2B	X	0	0	0	%100
78	MP2B	Z	-3.777	-3.777	0	%100
79	MP3B	X	0	0	0	%100
80	MP3B	Z	-3.777	-3.777	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	-3.777	-3.777	0	%100
83	MP1C	X	0	0	0	%100
84	MP1C	Z	-3.777	-3.777	0	%100
85	MP2C	X	0	0	0	%100
86	MP2C	Z	-3.777	-3.777	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-3.777	-3.777	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-3.777	-3.777	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.419	2.419	0	%100
2	M1	Z	-4.19	-4.19	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	2.419	2.419	0	%100
6	M3	Z	-4.19	-4.19	0	%100
7	M4	X	1.746	1.746	0	%100
8	M4	Z	-3.024	-3.024	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	1.746	1.746	0	%100
12	M6	Z	-3.024	-3.024	0	%100
13	M7	X	2.419	2.419	0	%100
14	M7	Z	-4.19	-4.19	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	2.419	2.419	0	%100
18	M9	Z	-4.19	-4.19	0	%100
19	M10	X	2.303	2.303	0	%100
20	M10	Z	-3.989	-3.989	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	2.303	2.303	0	%100
24	M12	Z	-3.989	-3.989	0	%100
25	M13	X	2.023	2.023	0	%100
26	M13	Z	-3.504	-3.504	0	%100
27	M14	X	.636	.636	0	%100
28	M14	Z	-1.102	-1.102	0	%100
29	M15	X	.384	.384	0	%100
30	M15	Z	-.666	-.666	0	%100
31	M16	X	.384	.384	0	%100
32	M16	Z	-.666	-.666	0	%100
33	M17	X	1.537	1.537	0	%100
34	M17	Z	-2.663	-2.663	0	%100
35	M18	X	.582	.582	0	%100
36	M18	Z	-1.008	-1.008	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M19	X	.582	.582	0	%100
38	M19	Z	-1.008	-1.008	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	.582	.582	0	%100
44	M22	Z	-1.008	-1.008	0	%100
45	M23	X	.582	.582	0	%100
46	M23	Z	-1.008	-1.008	0	%100
47	M24	X	2.208	2.208	0	%100
48	M24	Z	-3.824	-3.824	0	%100
49	M25	X	2.208	2.208	0	%100
50	M25	Z	-3.824	-3.824	0	%100
51	M26	X	.224	.224	0	%100
52	M26	Z	-.388	-.388	0	%100
53	M27	X	.224	.224	0	%100
54	M27	Z	-.388	-.388	0	%100
55	M28	X	.224	.224	0	%100
56	M28	Z	-.388	-.388	0	%100
57	M29	X	.224	.224	0	%100
58	M29	Z	-.388	-.388	0	%100
59	M30	X	.224	.224	0	%100
60	M30	Z	-.388	-.388	0	%100
61	M31	X	.224	.224	0	%100
62	M31	Z	-.388	-.388	0	%100
63	M32	X	.224	.224	0	%100
64	M32	Z	-.388	-.388	0	%100
65	M33	X	1.68	1.68	0	%100
66	M33	Z	-2.91	-2.91	0	%100
67	MP1A	X	1.888	1.888	0	%100
68	MP1A	Z	-3.271	-3.271	0	%100
69	MP2A	X	1.888	1.888	0	%100
70	MP2A	Z	-3.271	-3.271	0	%100
71	MP3A	X	1.888	1.888	0	%100
72	MP3A	Z	-3.271	-3.271	0	%100
73	MP4A	X	1.888	1.888	0	%100
74	MP4A	Z	-3.271	-3.271	0	%100
75	MP1B	X	1.888	1.888	0	%100
76	MP1B	Z	-3.271	-3.271	0	%100
77	MP2B	X	1.888	1.888	0	%100
78	MP2B	Z	-3.271	-3.271	0	%100
79	MP3B	X	1.888	1.888	0	%100
80	MP3B	Z	-3.271	-3.271	0	%100
81	MP4B	X	1.888	1.888	0	%100
82	MP4B	Z	-3.271	-3.271	0	%100
83	MP1C	X	1.888	1.888	0	%100
84	MP1C	Z	-3.271	-3.271	0	%100
85	MP2C	X	1.888	1.888	0	%100
86	MP2C	Z	-3.271	-3.271	0	%100
87	MP3C	X	1.888	1.888	0	%100
88	MP3C	Z	-3.271	-3.271	0	%100
89	MP4C	X	1.888	1.888	0	%100
90	MP4C	Z	-3.271	-3.271	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.586	5.586	0	%100
2	M1	Z	-3.225	-3.225	0	%100
3	M2	X	1.397	1.397	0	%100
4	M2	Z	-.806	-.806	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M3	X	1.397	1.397	0	%100
6	M3	Z	-.806	-.806	0	%100
7	M4	X	4.032	4.032	0	%100
8	M4	Z	-2.328	-2.328	0	%100
9	M5	X	1.008	1.008	0	%100
10	M5	Z	-.582	-.582	0	%100
11	M6	X	1.008	1.008	0	%100
12	M6	Z	-.582	-.582	0	%100
13	M7	X	5.586	5.586	0	%100
14	M7	Z	-3.225	-3.225	0	%100
15	M8	X	1.397	1.397	0	%100
16	M8	Z	-.806	-.806	0	%100
17	M9	X	1.397	1.397	0	%100
18	M9	Z	-.806	-.806	0	%100
19	M10	X	5.319	5.319	0	%100
20	M10	Z	-3.071	-3.071	0	%100
21	M11	X	1.33	1.33	0	%100
22	M11	Z	-.768	-.768	0	%100
23	M12	X	1.33	1.33	0	%100
24	M12	Z	-.768	-.768	0	%100
25	M13	X	4.672	4.672	0	%100
26	M13	Z	-2.697	-2.697	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	1.997	1.997	0	%100
30	M15	Z	-1.153	-1.153	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	1.997	1.997	0	%100
34	M17	Z	-1.153	-1.153	0	%100
35	M18	X	1.344	1.344	0	%100
36	M18	Z	-.776	-.776	0	%100
37	M19	X	1.344	1.344	0	%100
38	M19	Z	-.776	-.776	0	%100
39	M20	X	.336	.336	0	%100
40	M20	Z	-.194	-.194	0	%100
41	M21	X	.336	.336	0	%100
42	M21	Z	-.194	-.194	0	%100
43	M22	X	.336	.336	0	%100
44	M22	Z	-.194	-.194	0	%100
45	M23	X	.336	.336	0	%100
46	M23	Z	-.194	-.194	0	%100
47	M24	X	3.824	3.824	0	%100
48	M24	Z	-2.208	-2.208	0	%100
49	M25	X	3.824	3.824	0	%100
50	M25	Z	-2.208	-2.208	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	2.91	2.91	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
66	M33	Z	-1.68	-1.68	0	%100
67	MP1A	X	3.271	3.271	0	%100
68	MP1A	Z	-1.888	-1.888	0	%100
69	MP2A	X	3.271	3.271	0	%100
70	MP2A	Z	-1.888	-1.888	0	%100
71	MP3A	X	3.271	3.271	0	%100
72	MP3A	Z	-1.888	-1.888	0	%100
73	MP4A	X	3.271	3.271	0	%100
74	MP4A	Z	-1.888	-1.888	0	%100
75	MP1B	X	3.271	3.271	0	%100
76	MP1B	Z	-1.888	-1.888	0	%100
77	MP2B	X	3.271	3.271	0	%100
78	MP2B	Z	-1.888	-1.888	0	%100
79	MP3B	X	3.271	3.271	0	%100
80	MP3B	Z	-1.888	-1.888	0	%100
81	MP4B	X	3.271	3.271	0	%100
82	MP4B	Z	-1.888	-1.888	0	%100
83	MP1C	X	3.271	3.271	0	%100
84	MP1C	Z	-1.888	-1.888	0	%100
85	MP2C	X	3.271	3.271	0	%100
86	MP2C	Z	-1.888	-1.888	0	%100
87	MP3C	X	3.271	3.271	0	%100
88	MP3C	Z	-1.888	-1.888	0	%100
89	MP4C	X	3.271	3.271	0	%100
90	MP4C	Z	-1.888	-1.888	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.838	4.838	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	4.838	4.838	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	3.492	3.492	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	3.492	3.492	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	4.838	4.838	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	4.838	4.838	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	4.606	4.606	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	4.606	4.606	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	4.046	4.046	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	1.272	1.272	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	3.075	3.075	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	.769	.769	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	.769	.769	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M17	Z	0	0	0	%100
35	M18	X	1.164	1.164	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	1.164	1.164	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	1.164	1.164	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	1.164	1.164	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	4.415	4.415	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	4.415	4.415	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	.448	.448	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	.448	.448	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	.448	.448	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	.448	.448	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	.448	.448	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	.448	.448	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	.448	.448	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	3.36	3.36	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	3.777	3.777	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	3.777	3.777	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	3.777	3.777	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	3.777	3.777	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1B	X	3.777	3.777	0	%100
76	MP1B	Z	0	0	0	%100
77	MP2B	X	3.777	3.777	0	%100
78	MP2B	Z	0	0	0	%100
79	MP3B	X	3.777	3.777	0	%100
80	MP3B	Z	0	0	0	%100
81	MP4B	X	3.777	3.777	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1C	X	3.777	3.777	0	%100
84	MP1C	Z	0	0	0	%100
85	MP2C	X	3.777	3.777	0	%100
86	MP2C	Z	0	0	0	%100
87	MP3C	X	3.777	3.777	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	3.777	3.777	0	%100
90	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.397	1.397	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
2	M1	Z	.806	.806	0	%100
3	M2	X	5.586	5.586	0	%100
4	M2	Z	3.225	3.225	0	%100
5	M3	X	1.397	1.397	0	%100
6	M3	Z	.806	.806	0	%100
7	M4	X	1.008	1.008	0	%100
8	M4	Z	.582	.582	0	%100
9	M5	X	4.032	4.032	0	%100
10	M5	Z	2.328	2.328	0	%100
11	M6	X	1.008	1.008	0	%100
12	M6	Z	.582	.582	0	%100
13	M7	X	1.397	1.397	0	%100
14	M7	Z	.806	.806	0	%100
15	M8	X	5.586	5.586	0	%100
16	M8	Z	3.225	3.225	0	%100
17	M9	X	1.397	1.397	0	%100
18	M9	Z	.806	.806	0	%100
19	M10	X	1.33	1.33	0	%100
20	M10	Z	.768	.768	0	%100
21	M11	X	5.319	5.319	0	%100
22	M11	Z	3.071	3.071	0	%100
23	M12	X	1.33	1.33	0	%100
24	M12	Z	.768	.768	0	%100
25	M13	X	1.168	1.168	0	%100
26	M13	Z	.674	.674	0	%100
27	M14	X	3.305	3.305	0	%100
28	M14	Z	1.908	1.908	0	%100
29	M15	X	1.997	1.997	0	%100
30	M15	Z	1.153	1.153	0	%100
31	M16	X	1.997	1.997	0	%100
32	M16	Z	1.153	1.153	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	.336	.336	0	%100
36	M18	Z	.194	.194	0	%100
37	M19	X	.336	.336	0	%100
38	M19	Z	.194	.194	0	%100
39	M20	X	1.344	1.344	0	%100
40	M20	Z	.776	.776	0	%100
41	M21	X	1.344	1.344	0	%100
42	M21	Z	.776	.776	0	%100
43	M22	X	.336	.336	0	%100
44	M22	Z	.194	.194	0	%100
45	M23	X	.336	.336	0	%100
46	M23	Z	.194	.194	0	%100
47	M24	X	3.824	3.824	0	%100
48	M24	Z	2.208	2.208	0	%100
49	M25	X	3.824	3.824	0	%100
50	M25	Z	2.208	2.208	0	%100
51	M26	X	1.164	1.164	0	%100
52	M26	Z	.672	.672	0	%100
53	M27	X	1.164	1.164	0	%100
54	M27	Z	.672	.672	0	%100
55	M28	X	1.164	1.164	0	%100
56	M28	Z	.672	.672	0	%100
57	M29	X	1.164	1.164	0	%100
58	M29	Z	.672	.672	0	%100
59	M30	X	1.164	1.164	0	%100
60	M30	Z	.672	.672	0	%100
61	M31	X	1.164	1.164	0	%100
62	M31	Z	.672	.672	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	M32	X	1.164	1.164	0	%100
64	M32	Z	.672	.672	0	%100
65	M33	X	2.91	2.91	0	%100
66	M33	Z	1.68	1.68	0	%100
67	MP1A	X	3.271	3.271	0	%100
68	MP1A	Z	1.888	1.888	0	%100
69	MP2A	X	3.271	3.271	0	%100
70	MP2A	Z	1.888	1.888	0	%100
71	MP3A	X	3.271	3.271	0	%100
72	MP3A	Z	1.888	1.888	0	%100
73	MP4A	X	3.271	3.271	0	%100
74	MP4A	Z	1.888	1.888	0	%100
75	MP1B	X	3.271	3.271	0	%100
76	MP1B	Z	1.888	1.888	0	%100
77	MP2B	X	3.271	3.271	0	%100
78	MP2B	Z	1.888	1.888	0	%100
79	MP3B	X	3.271	3.271	0	%100
80	MP3B	Z	1.888	1.888	0	%100
81	MP4B	X	3.271	3.271	0	%100
82	MP4B	Z	1.888	1.888	0	%100
83	MP1C	X	3.271	3.271	0	%100
84	MP1C	Z	1.888	1.888	0	%100
85	MP2C	X	3.271	3.271	0	%100
86	MP2C	Z	1.888	1.888	0	%100
87	MP3C	X	3.271	3.271	0	%100
88	MP3C	Z	1.888	1.888	0	%100
89	MP4C	X	3.271	3.271	0	%100
90	MP4C	Z	1.888	1.888	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	2.419	2.419	0	%100
4	M2	Z	4.19	4.19	0	%100
5	M3	X	2.419	2.419	0	%100
6	M3	Z	4.19	4.19	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	1.746	1.746	0	%100
10	M5	Z	3.024	3.024	0	%100
11	M6	X	1.746	1.746	0	%100
12	M6	Z	3.024	3.024	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	2.419	2.419	0	%100
16	M8	Z	4.19	4.19	0	%100
17	M9	X	2.419	2.419	0	%100
18	M9	Z	4.19	4.19	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	2.303	2.303	0	%100
22	M11	Z	3.989	3.989	0	%100
23	M12	X	2.303	2.303	0	%100
24	M12	Z	3.989	3.989	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	2.544	2.544	0	%100
28	M14	Z	4.406	4.406	0	%100
29	M15	X	.384	.384	0	%100
30	M15	Z	.666	.666	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M16	X	1.537	1.537	0	%100
32	M16	Z	2.663	2.663	0	%100
33	M17	X	.384	.384	0	%100
34	M17	Z	.666	.666	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	.582	.582	0	%100
40	M20	Z	1.008	1.008	0	%100
41	M21	X	.582	.582	0	%100
42	M21	Z	1.008	1.008	0	%100
43	M22	X	.582	.582	0	%100
44	M22	Z	1.008	1.008	0	%100
45	M23	X	.582	.582	0	%100
46	M23	Z	1.008	1.008	0	%100
47	M24	X	2.208	2.208	0	%100
48	M24	Z	3.824	3.824	0	%100
49	M25	X	2.208	2.208	0	%100
50	M25	Z	3.824	3.824	0	%100
51	M26	X	.896	.896	0	%100
52	M26	Z	1.552	1.552	0	%100
53	M27	X	.896	.896	0	%100
54	M27	Z	1.552	1.552	0	%100
55	M28	X	.896	.896	0	%100
56	M28	Z	1.552	1.552	0	%100
57	M29	X	.896	.896	0	%100
58	M29	Z	1.552	1.552	0	%100
59	M30	X	.896	.896	0	%100
60	M30	Z	1.552	1.552	0	%100
61	M31	X	.896	.896	0	%100
62	M31	Z	1.552	1.552	0	%100
63	M32	X	.896	.896	0	%100
64	M32	Z	1.552	1.552	0	%100
65	M33	X	1.68	1.68	0	%100
66	M33	Z	2.91	2.91	0	%100
67	MP1A	X	1.888	1.888	0	%100
68	MP1A	Z	3.271	3.271	0	%100
69	MP2A	X	1.888	1.888	0	%100
70	MP2A	Z	3.271	3.271	0	%100
71	MP3A	X	1.888	1.888	0	%100
72	MP3A	Z	3.271	3.271	0	%100
73	MP4A	X	1.888	1.888	0	%100
74	MP4A	Z	3.271	3.271	0	%100
75	MP1B	X	1.888	1.888	0	%100
76	MP1B	Z	3.271	3.271	0	%100
77	MP2B	X	1.888	1.888	0	%100
78	MP2B	Z	3.271	3.271	0	%100
79	MP3B	X	1.888	1.888	0	%100
80	MP3B	Z	3.271	3.271	0	%100
81	MP4B	X	1.888	1.888	0	%100
82	MP4B	Z	3.271	3.271	0	%100
83	MP1C	X	1.888	1.888	0	%100
84	MP1C	Z	3.271	3.271	0	%100
85	MP2C	X	1.888	1.888	0	%100
86	MP2C	Z	3.271	3.271	0	%100
87	MP3C	X	1.888	1.888	0	%100
88	MP3C	Z	3.271	3.271	0	%100
89	MP4C	X	1.888	1.888	0	%100
90	MP4C	Z	3.271	3.271	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	1.613	1.613	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	1.613	1.613	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	6.45	6.45	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	1.164	1.164	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	1.164	1.164	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	4.656	4.656	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	1.613	1.613	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	1.613	1.613	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	6.45	6.45	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	1.535	1.535	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	1.535	1.535	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	6.142	6.142	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	1.349	1.349	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	3.816	3.816	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	2.306	2.306	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	2.306	2.306	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	.388	.388	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	.388	.388	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	.388	.388	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	.388	.388	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	1.552	1.552	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	1.552	1.552	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	4.415	4.415	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	4.415	4.415	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	1.344	1.344	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	1.344	1.344	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	1.344	1.344	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	1.344	1.344	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	1.344	1.344	0	%100
61	M31	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M31	Z	1.344	1.344	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	1.344	1.344	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	3.36	3.36	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	3.777	3.777	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	3.777	3.777	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	3.777	3.777	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	3.777	3.777	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	3.777	3.777	0	%100
77	MP2B	X	0	0	0	%100
78	MP2B	Z	3.777	3.777	0	%100
79	MP3B	X	0	0	0	%100
80	MP3B	Z	3.777	3.777	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	3.777	3.777	0	%100
83	MP1C	X	0	0	0	%100
84	MP1C	Z	3.777	3.777	0	%100
85	MP2C	X	0	0	0	%100
86	MP2C	Z	3.777	3.777	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	3.777	3.777	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	3.777	3.777	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.419	-2.419	0	%100
2	M1	Z	4.19	4.19	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-2.419	-2.419	0	%100
6	M3	Z	4.19	4.19	0	%100
7	M4	X	-1.746	-1.746	0	%100
8	M4	Z	3.024	3.024	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-1.746	-1.746	0	%100
12	M6	Z	3.024	3.024	0	%100
13	M7	X	-2.419	-2.419	0	%100
14	M7	Z	4.19	4.19	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-2.419	-2.419	0	%100
18	M9	Z	4.19	4.19	0	%100
19	M10	X	-2.303	-2.303	0	%100
20	M10	Z	3.989	3.989	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-2.303	-2.303	0	%100
24	M12	Z	3.989	3.989	0	%100
25	M13	X	-2.023	-2.023	0	%100
26	M13	Z	3.504	3.504	0	%100
27	M14	X	-.636	-.636	0	%100
28	M14	Z	1.102	1.102	0	%100
29	M15	X	-.384	-.384	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	M15	Z	.666	.666	0	%100
31	M16	X	-.384	-.384	0	%100
32	M16	Z	.666	.666	0	%100
33	M17	X	-1.537	-1.537	0	%100
34	M17	Z	2.663	2.663	0	%100
35	M18	X	-.582	-.582	0	%100
36	M18	Z	1.008	1.008	0	%100
37	M19	X	-.582	-.582	0	%100
38	M19	Z	1.008	1.008	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	-.582	-.582	0	%100
44	M22	Z	1.008	1.008	0	%100
45	M23	X	-.582	-.582	0	%100
46	M23	Z	1.008	1.008	0	%100
47	M24	X	-2.208	-2.208	0	%100
48	M24	Z	3.824	3.824	0	%100
49	M25	X	-2.208	-2.208	0	%100
50	M25	Z	3.824	3.824	0	%100
51	M26	X	-.224	-.224	0	%100
52	M26	Z	.388	.388	0	%100
53	M27	X	-.224	-.224	0	%100
54	M27	Z	.388	.388	0	%100
55	M28	X	-.224	-.224	0	%100
56	M28	Z	.388	.388	0	%100
57	M29	X	-.224	-.224	0	%100
58	M29	Z	.388	.388	0	%100
59	M30	X	-.224	-.224	0	%100
60	M30	Z	.388	.388	0	%100
61	M31	X	-.224	-.224	0	%100
62	M31	Z	.388	.388	0	%100
63	M32	X	-.224	-.224	0	%100
64	M32	Z	.388	.388	0	%100
65	M33	X	-1.68	-1.68	0	%100
66	M33	Z	2.91	2.91	0	%100
67	MP1A	X	-1.888	-1.888	0	%100
68	MP1A	Z	3.271	3.271	0	%100
69	MP2A	X	-1.888	-1.888	0	%100
70	MP2A	Z	3.271	3.271	0	%100
71	MP3A	X	-1.888	-1.888	0	%100
72	MP3A	Z	3.271	3.271	0	%100
73	MP4A	X	-1.888	-1.888	0	%100
74	MP4A	Z	3.271	3.271	0	%100
75	MP1B	X	-1.888	-1.888	0	%100
76	MP1B	Z	3.271	3.271	0	%100
77	MP2B	X	-1.888	-1.888	0	%100
78	MP2B	Z	3.271	3.271	0	%100
79	MP3B	X	-1.888	-1.888	0	%100
80	MP3B	Z	3.271	3.271	0	%100
81	MP4B	X	-1.888	-1.888	0	%100
82	MP4B	Z	3.271	3.271	0	%100
83	MP1C	X	-1.888	-1.888	0	%100
84	MP1C	Z	3.271	3.271	0	%100
85	MP2C	X	-1.888	-1.888	0	%100
86	MP2C	Z	3.271	3.271	0	%100
87	MP3C	X	-1.888	-1.888	0	%100
88	MP3C	Z	3.271	3.271	0	%100
89	MP4C	X	-1.888	-1.888	0	%100
90	MP4C	Z	3.271	3.271	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.586	-5.586	0	%100
2	M1	Z	3.225	3.225	0	%100
3	M2	X	-1.397	-1.397	0	%100
4	M2	Z	.806	.806	0	%100
5	M3	X	-1.397	-1.397	0	%100
6	M3	Z	.806	.806	0	%100
7	M4	X	-4.032	-4.032	0	%100
8	M4	Z	2.328	2.328	0	%100
9	M5	X	-1.008	-1.008	0	%100
10	M5	Z	.582	.582	0	%100
11	M6	X	-1.008	-1.008	0	%100
12	M6	Z	.582	.582	0	%100
13	M7	X	-5.586	-5.586	0	%100
14	M7	Z	3.225	3.225	0	%100
15	M8	X	-1.397	-1.397	0	%100
16	M8	Z	.806	.806	0	%100
17	M9	X	-1.397	-1.397	0	%100
18	M9	Z	.806	.806	0	%100
19	M10	X	-5.319	-5.319	0	%100
20	M10	Z	3.071	3.071	0	%100
21	M11	X	-1.33	-1.33	0	%100
22	M11	Z	.768	.768	0	%100
23	M12	X	-1.33	-1.33	0	%100
24	M12	Z	.768	.768	0	%100
25	M13	X	-4.672	-4.672	0	%100
26	M13	Z	2.697	2.697	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-1.997	-1.997	0	%100
30	M15	Z	1.153	1.153	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-1.997	-1.997	0	%100
34	M17	Z	1.153	1.153	0	%100
35	M18	X	-1.344	-1.344	0	%100
36	M18	Z	.776	.776	0	%100
37	M19	X	-1.344	-1.344	0	%100
38	M19	Z	.776	.776	0	%100
39	M20	X	-.336	-.336	0	%100
40	M20	Z	.194	.194	0	%100
41	M21	X	-.336	-.336	0	%100
42	M21	Z	.194	.194	0	%100
43	M22	X	-.336	-.336	0	%100
44	M22	Z	.194	.194	0	%100
45	M23	X	-.336	-.336	0	%100
46	M23	Z	.194	.194	0	%100
47	M24	X	-3.824	-3.824	0	%100
48	M24	Z	2.208	2.208	0	%100
49	M25	X	-3.824	-3.824	0	%100
50	M25	Z	2.208	2.208	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	-2.91	-2.91	0	%100
66	M33	Z	1.68	1.68	0	%100
67	MP1A	X	-3.271	-3.271	0	%100
68	MP1A	Z	1.888	1.888	0	%100
69	MP2A	X	-3.271	-3.271	0	%100
70	MP2A	Z	1.888	1.888	0	%100
71	MP3A	X	-3.271	-3.271	0	%100
72	MP3A	Z	1.888	1.888	0	%100
73	MP4A	X	-3.271	-3.271	0	%100
74	MP4A	Z	1.888	1.888	0	%100
75	MP1B	X	-3.271	-3.271	0	%100
76	MP1B	Z	1.888	1.888	0	%100
77	MP2B	X	-3.271	-3.271	0	%100
78	MP2B	Z	1.888	1.888	0	%100
79	MP3B	X	-3.271	-3.271	0	%100
80	MP3B	Z	1.888	1.888	0	%100
81	MP4B	X	-3.271	-3.271	0	%100
82	MP4B	Z	1.888	1.888	0	%100
83	MP1C	X	-3.271	-3.271	0	%100
84	MP1C	Z	1.888	1.888	0	%100
85	MP2C	X	-3.271	-3.271	0	%100
86	MP2C	Z	1.888	1.888	0	%100
87	MP3C	X	-3.271	-3.271	0	%100
88	MP3C	Z	1.888	1.888	0	%100
89	MP4C	X	-3.271	-3.271	0	%100
90	MP4C	Z	1.888	1.888	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.838	-4.838	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-4.838	-4.838	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-3.492	-3.492	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-3.492	-3.492	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-4.838	-4.838	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-4.838	-4.838	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-4.606	-4.606	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-4.606	-4.606	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-4.046	-4.046	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-1.272	-1.272	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-3.075	-3.075	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	M15	Z	0	0	0	%100
31	M16	X	-.769	-.769	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-.769	-.769	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-1.164	-1.164	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	-1.164	-1.164	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	-1.164	-1.164	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	-1.164	-1.164	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-4.415	-4.415	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	-4.415	-4.415	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	-.448	-.448	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-.448	-.448	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	-.448	-.448	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	-.448	-.448	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	-.448	-.448	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	-.448	-.448	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	-.448	-.448	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	-3.36	-3.36	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	-3.777	-3.777	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	-3.777	-3.777	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	-3.777	-3.777	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	-3.777	-3.777	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1B	X	-3.777	-3.777	0	%100
76	MP1B	Z	0	0	0	%100
77	MP2B	X	-3.777	-3.777	0	%100
78	MP2B	Z	0	0	0	%100
79	MP3B	X	-3.777	-3.777	0	%100
80	MP3B	Z	0	0	0	%100
81	MP4B	X	-3.777	-3.777	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1C	X	-3.777	-3.777	0	%100
84	MP1C	Z	0	0	0	%100
85	MP2C	X	-3.777	-3.777	0	%100
86	MP2C	Z	0	0	0	%100
87	MP3C	X	-3.777	-3.777	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-3.777	-3.777	0	%100
90	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.397	-1.397	0	%100
2	M1	Z	-.806	-.806	0	%100
3	M2	X	-5.586	-5.586	0	%100
4	M2	Z	-3.225	-3.225	0	%100
5	M3	X	-1.397	-1.397	0	%100
6	M3	Z	-.806	-.806	0	%100
7	M4	X	-1.008	-1.008	0	%100
8	M4	Z	-.582	-.582	0	%100
9	M5	X	-4.032	-4.032	0	%100
10	M5	Z	-2.328	-2.328	0	%100
11	M6	X	-1.008	-1.008	0	%100
12	M6	Z	-.582	-.582	0	%100
13	M7	X	-1.397	-1.397	0	%100
14	M7	Z	-.806	-.806	0	%100
15	M8	X	-5.586	-5.586	0	%100
16	M8	Z	-3.225	-3.225	0	%100
17	M9	X	-1.397	-1.397	0	%100
18	M9	Z	-.806	-.806	0	%100
19	M10	X	-1.33	-1.33	0	%100
20	M10	Z	-.768	-.768	0	%100
21	M11	X	-5.319	-5.319	0	%100
22	M11	Z	-3.071	-3.071	0	%100
23	M12	X	-1.33	-1.33	0	%100
24	M12	Z	-.768	-.768	0	%100
25	M13	X	-1.168	-1.168	0	%100
26	M13	Z	-.674	-.674	0	%100
27	M14	X	-3.305	-3.305	0	%100
28	M14	Z	-1.908	-1.908	0	%100
29	M15	X	-1.997	-1.997	0	%100
30	M15	Z	-1.153	-1.153	0	%100
31	M16	X	-1.997	-1.997	0	%100
32	M16	Z	-1.153	-1.153	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-.336	-.336	0	%100
36	M18	Z	-.194	-.194	0	%100
37	M19	X	-.336	-.336	0	%100
38	M19	Z	-.194	-.194	0	%100
39	M20	X	-1.344	-1.344	0	%100
40	M20	Z	-.776	-.776	0	%100
41	M21	X	-1.344	-1.344	0	%100
42	M21	Z	-.776	-.776	0	%100
43	M22	X	-.336	-.336	0	%100
44	M22	Z	-.194	-.194	0	%100
45	M23	X	-.336	-.336	0	%100
46	M23	Z	-.194	-.194	0	%100
47	M24	X	-3.824	-3.824	0	%100
48	M24	Z	-2.208	-2.208	0	%100
49	M25	X	-3.824	-3.824	0	%100
50	M25	Z	-2.208	-2.208	0	%100
51	M26	X	-1.164	-1.164	0	%100
52	M26	Z	-.672	-.672	0	%100
53	M27	X	-1.164	-1.164	0	%100
54	M27	Z	-.672	-.672	0	%100
55	M28	X	-1.164	-1.164	0	%100
56	M28	Z	-.672	-.672	0	%100
57	M29	X	-1.164	-1.164	0	%100
58	M29	Z	-.672	-.672	0	%100
59	M30	X	-1.164	-1.164	0	%100
60	M30	Z	-.672	-.672	0	%100
61	M31	X	-1.164	-1.164	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M31	Z	-.672	-.672	0	%100
63	M32	X	-1.164	-1.164	0	%100
64	M32	Z	-.672	-.672	0	%100
65	M33	X	-2.91	-2.91	0	%100
66	M33	Z	-1.68	-1.68	0	%100
67	MP1A	X	-3.271	-3.271	0	%100
68	MP1A	Z	-1.888	-1.888	0	%100
69	MP2A	X	-3.271	-3.271	0	%100
70	MP2A	Z	-1.888	-1.888	0	%100
71	MP3A	X	-3.271	-3.271	0	%100
72	MP3A	Z	-1.888	-1.888	0	%100
73	MP4A	X	-3.271	-3.271	0	%100
74	MP4A	Z	-1.888	-1.888	0	%100
75	MP1B	X	-3.271	-3.271	0	%100
76	MP1B	Z	-1.888	-1.888	0	%100
77	MP2B	X	-3.271	-3.271	0	%100
78	MP2B	Z	-1.888	-1.888	0	%100
79	MP3B	X	-3.271	-3.271	0	%100
80	MP3B	Z	-1.888	-1.888	0	%100
81	MP4B	X	-3.271	-3.271	0	%100
82	MP4B	Z	-1.888	-1.888	0	%100
83	MP1C	X	-3.271	-3.271	0	%100
84	MP1C	Z	-1.888	-1.888	0	%100
85	MP2C	X	-3.271	-3.271	0	%100
86	MP2C	Z	-1.888	-1.888	0	%100
87	MP3C	X	-3.271	-3.271	0	%100
88	MP3C	Z	-1.888	-1.888	0	%100
89	MP4C	X	-3.271	-3.271	0	%100
90	MP4C	Z	-1.888	-1.888	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-2.419	-2.419	0	%100
4	M2	Z	-4.19	-4.19	0	%100
5	M3	X	-2.419	-2.419	0	%100
6	M3	Z	-4.19	-4.19	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-1.746	-1.746	0	%100
10	M5	Z	-3.024	-3.024	0	%100
11	M6	X	-1.746	-1.746	0	%100
12	M6	Z	-3.024	-3.024	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-2.419	-2.419	0	%100
16	M8	Z	-4.19	-4.19	0	%100
17	M9	X	-2.419	-2.419	0	%100
18	M9	Z	-4.19	-4.19	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-2.303	-2.303	0	%100
22	M11	Z	-3.989	-3.989	0	%100
23	M12	X	-2.303	-2.303	0	%100
24	M12	Z	-3.989	-3.989	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-2.544	-2.544	0	%100
28	M14	Z	-4.406	-4.406	0	%100
29	M15	X	-.384	-.384	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	M15	Z	-.666	-.666	0	%100
31	M16	X	-1.537	-1.537	0	%100
32	M16	Z	-2.663	-2.663	0	%100
33	M17	X	-.384	-.384	0	%100
34	M17	Z	-.666	-.666	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	-.582	-.582	0	%100
40	M20	Z	-1.008	-1.008	0	%100
41	M21	X	-.582	-.582	0	%100
42	M21	Z	-1.008	-1.008	0	%100
43	M22	X	-.582	-.582	0	%100
44	M22	Z	-1.008	-1.008	0	%100
45	M23	X	-.582	-.582	0	%100
46	M23	Z	-1.008	-1.008	0	%100
47	M24	X	-2.208	-2.208	0	%100
48	M24	Z	-3.824	-3.824	0	%100
49	M25	X	-2.208	-2.208	0	%100
50	M25	Z	-3.824	-3.824	0	%100
51	M26	X	-.896	-.896	0	%100
52	M26	Z	-1.552	-1.552	0	%100
53	M27	X	-.896	-.896	0	%100
54	M27	Z	-1.552	-1.552	0	%100
55	M28	X	-.896	-.896	0	%100
56	M28	Z	-1.552	-1.552	0	%100
57	M29	X	-.896	-.896	0	%100
58	M29	Z	-1.552	-1.552	0	%100
59	M30	X	-.896	-.896	0	%100
60	M30	Z	-1.552	-1.552	0	%100
61	M31	X	-.896	-.896	0	%100
62	M31	Z	-1.552	-1.552	0	%100
63	M32	X	-.896	-.896	0	%100
64	M32	Z	-1.552	-1.552	0	%100
65	M33	X	-1.68	-1.68	0	%100
66	M33	Z	-2.91	-2.91	0	%100
67	MP1A	X	-1.888	-1.888	0	%100
68	MP1A	Z	-3.271	-3.271	0	%100
69	MP2A	X	-1.888	-1.888	0	%100
70	MP2A	Z	-3.271	-3.271	0	%100
71	MP3A	X	-1.888	-1.888	0	%100
72	MP3A	Z	-3.271	-3.271	0	%100
73	MP4A	X	-1.888	-1.888	0	%100
74	MP4A	Z	-3.271	-3.271	0	%100
75	MP1B	X	-1.888	-1.888	0	%100
76	MP1B	Z	-3.271	-3.271	0	%100
77	MP2B	X	-1.888	-1.888	0	%100
78	MP2B	Z	-3.271	-3.271	0	%100
79	MP3B	X	-1.888	-1.888	0	%100
80	MP3B	Z	-3.271	-3.271	0	%100
81	MP4B	X	-1.888	-1.888	0	%100
82	MP4B	Z	-3.271	-3.271	0	%100
83	MP1C	X	-1.888	-1.888	0	%100
84	MP1C	Z	-3.271	-3.271	0	%100
85	MP2C	X	-1.888	-1.888	0	%100
86	MP2C	Z	-3.271	-3.271	0	%100
87	MP3C	X	-1.888	-1.888	0	%100
88	MP3C	Z	-3.271	-3.271	0	%100
89	MP4C	X	-1.888	-1.888	0	%100
90	MP4C	Z	-3.271	-3.271	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.401	-.401	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.401	-.401	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-1.605	-1.605	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.3	-.3	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-.3	-.3	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-1.198	-1.198	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-.401	-.401	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-.401	-.401	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-1.605	-1.605	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-.385	-.385	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-.385	-.385	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-1.538	-1.538	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	-.344	-.344	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-.975	-.975	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	-.422	-.422	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	-.422	-.422	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	-.022	-.022	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	-.022	-.022	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	-.022	-.022	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	-.022	-.022	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	-.09	-.09	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	-.09	-.09	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	-.799	-.799	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	-.799	-.799	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	-.119	-.119	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	-.119	-.119	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	-.119	-.119	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	-.119	-.119	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	-.119	-.119	0	%100
61	M31	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M31	Z	-.119	-.119	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	-.119	-.119	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	-.545	-.545	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	-.569	-.569	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	-.569	-.569	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	-.569	-.569	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	-.569	-.569	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	-.569	-.569	0	%100
77	MP2B	X	0	0	0	%100
78	MP2B	Z	-.569	-.569	0	%100
79	MP3B	X	0	0	0	%100
80	MP3B	Z	-.569	-.569	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	-.569	-.569	0	%100
83	MP1C	X	0	0	0	%100
84	MP1C	Z	-.569	-.569	0	%100
85	MP2C	X	0	0	0	%100
86	MP2C	Z	-.569	-.569	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-.569	-.569	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-.569	-.569	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.602	.602	0	%100
2	M1	Z	-1.042	-1.042	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.602	.602	0	%100
6	M3	Z	-1.042	-1.042	0	%100
7	M4	X	.449	.449	0	%100
8	M4	Z	-.778	-.778	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	.449	.449	0	%100
12	M6	Z	-.778	-.778	0	%100
13	M7	X	.602	.602	0	%100
14	M7	Z	-1.042	-1.042	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	.602	.602	0	%100
18	M9	Z	-1.042	-1.042	0	%100
19	M10	X	.577	.577	0	%100
20	M10	Z	-.999	-.999	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	.577	.577	0	%100
24	M12	Z	-.999	-.999	0	%100
25	M13	X	.515	.515	0	%100
26	M13	Z	-.893	-.893	0	%100
27	M14	X	.163	.163	0	%100
28	M14	Z	-.282	-.282	0	%100
29	M15	X	.07	.07	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	M15	Z	-.122	-.122	0	%100
31	M16	X	.07	.07	0	%100
32	M16	Z	-.122	-.122	0	%100
33	M17	X	.281	.281	0	%100
34	M17	Z	-.487	-.487	0	%100
35	M18	X	.034	.034	0	%100
36	M18	Z	-.058	-.058	0	%100
37	M19	X	.034	.034	0	%100
38	M19	Z	-.058	-.058	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	.034	.034	0	%100
44	M22	Z	-.058	-.058	0	%100
45	M23	X	.034	.034	0	%100
46	M23	Z	-.058	-.058	0	%100
47	M24	X	.399	.399	0	%100
48	M24	Z	-.692	-.692	0	%100
49	M25	X	.399	.399	0	%100
50	M25	Z	-.692	-.692	0	%100
51	M26	X	.02	.02	0	%100
52	M26	Z	-.034	-.034	0	%100
53	M27	X	.02	.02	0	%100
54	M27	Z	-.034	-.034	0	%100
55	M28	X	.02	.02	0	%100
56	M28	Z	-.034	-.034	0	%100
57	M29	X	.02	.02	0	%100
58	M29	Z	-.034	-.034	0	%100
59	M30	X	.02	.02	0	%100
60	M30	Z	-.034	-.034	0	%100
61	M31	X	.02	.02	0	%100
62	M31	Z	-.034	-.034	0	%100
63	M32	X	.02	.02	0	%100
64	M32	Z	-.034	-.034	0	%100
65	M33	X	.273	.273	0	%100
66	M33	Z	-.472	-.472	0	%100
67	MP1A	X	.285	.285	0	%100
68	MP1A	Z	-.493	-.493	0	%100
69	MP2A	X	.285	.285	0	%100
70	MP2A	Z	-.493	-.493	0	%100
71	MP3A	X	.285	.285	0	%100
72	MP3A	Z	-.493	-.493	0	%100
73	MP4A	X	.285	.285	0	%100
74	MP4A	Z	-.493	-.493	0	%100
75	MP1B	X	.285	.285	0	%100
76	MP1B	Z	-.493	-.493	0	%100
77	MP2B	X	.285	.285	0	%100
78	MP2B	Z	-.493	-.493	0	%100
79	MP3B	X	.285	.285	0	%100
80	MP3B	Z	-.493	-.493	0	%100
81	MP4B	X	.285	.285	0	%100
82	MP4B	Z	-.493	-.493	0	%100
83	MP1C	X	.285	.285	0	%100
84	MP1C	Z	-.493	-.493	0	%100
85	MP2C	X	.285	.285	0	%100
86	MP2C	Z	-.493	-.493	0	%100
87	MP3C	X	.285	.285	0	%100
88	MP3C	Z	-.493	-.493	0	%100
89	MP4C	X	.285	.285	0	%100
90	MP4C	Z	-.493	-.493	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.39	1.39	0	%100
2	M1	Z	-.802	-.802	0	%100
3	M2	X	.347	.347	0	%100
4	M2	Z	-.201	-.201	0	%100
5	M3	X	.347	.347	0	%100
6	M3	Z	-.201	-.201	0	%100
7	M4	X	1.038	1.038	0	%100
8	M4	Z	-.599	-.599	0	%100
9	M5	X	.259	.259	0	%100
10	M5	Z	-.15	-.15	0	%100
11	M6	X	.259	.259	0	%100
12	M6	Z	-.15	-.15	0	%100
13	M7	X	1.39	1.39	0	%100
14	M7	Z	-.802	-.802	0	%100
15	M8	X	.347	.347	0	%100
16	M8	Z	-.201	-.201	0	%100
17	M9	X	.347	.347	0	%100
18	M9	Z	-.201	-.201	0	%100
19	M10	X	1.332	1.332	0	%100
20	M10	Z	-.769	-.769	0	%100
21	M11	X	.333	.333	0	%100
22	M11	Z	-.192	-.192	0	%100
23	M12	X	.333	.333	0	%100
24	M12	Z	-.192	-.192	0	%100
25	M13	X	1.19	1.19	0	%100
26	M13	Z	-.687	-.687	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	.365	.365	0	%100
30	M15	Z	-.211	-.211	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	.365	.365	0	%100
34	M17	Z	-.211	-.211	0	%100
35	M18	X	.078	.078	0	%100
36	M18	Z	-.045	-.045	0	%100
37	M19	X	.078	.078	0	%100
38	M19	Z	-.045	-.045	0	%100
39	M20	X	.019	.019	0	%100
40	M20	Z	-.011	-.011	0	%100
41	M21	X	.019	.019	0	%100
42	M21	Z	-.011	-.011	0	%100
43	M22	X	.019	.019	0	%100
44	M22	Z	-.011	-.011	0	%100
45	M23	X	.019	.019	0	%100
46	M23	Z	-.011	-.011	0	%100
47	M24	X	.692	.692	0	%100
48	M24	Z	-.399	-.399	0	%100
49	M25	X	.692	.692	0	%100
50	M25	Z	-.399	-.399	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	.472	.472	0	%100
66	M33	Z	-.273	-.273	0	%100
67	MP1A	X	.493	.493	0	%100
68	MP1A	Z	-.285	-.285	0	%100
69	MP2A	X	.493	.493	0	%100
70	MP2A	Z	-.285	-.285	0	%100
71	MP3A	X	.493	.493	0	%100
72	MP3A	Z	-.285	-.285	0	%100
73	MP4A	X	.493	.493	0	%100
74	MP4A	Z	-.285	-.285	0	%100
75	MP1B	X	.493	.493	0	%100
76	MP1B	Z	-.285	-.285	0	%100
77	MP2B	X	.493	.493	0	%100
78	MP2B	Z	-.285	-.285	0	%100
79	MP3B	X	.493	.493	0	%100
80	MP3B	Z	-.285	-.285	0	%100
81	MP4B	X	.493	.493	0	%100
82	MP4B	Z	-.285	-.285	0	%100
83	MP1C	X	.493	.493	0	%100
84	MP1C	Z	-.285	-.285	0	%100
85	MP2C	X	.493	.493	0	%100
86	MP2C	Z	-.285	-.285	0	%100
87	MP3C	X	.493	.493	0	%100
88	MP3C	Z	-.285	-.285	0	%100
89	MP4C	X	.493	.493	0	%100
90	MP4C	Z	-.285	-.285	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.203	1.203	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	1.203	1.203	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.899	.899	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.899	.899	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	1.203	1.203	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	1.203	1.203	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	1.154	1.154	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	1.154	1.154	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	1.031	1.031	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	.325	.325	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	.563	.563	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	M15	Z	0	0	0	%100
31	M16	X	.141	.141	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	.141	.141	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	.067	.067	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	.067	.067	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	.067	.067	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	.067	.067	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	.799	.799	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	.799	.799	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	.04	.04	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	.04	.04	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	.04	.04	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	.04	.04	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	.04	.04	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	.04	.04	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	.04	.04	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	.545	.545	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	.569	.569	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	.569	.569	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	.569	.569	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	.569	.569	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1B	X	.569	.569	0	%100
76	MP1B	Z	0	0	0	%100
77	MP2B	X	.569	.569	0	%100
78	MP2B	Z	0	0	0	%100
79	MP3B	X	.569	.569	0	%100
80	MP3B	Z	0	0	0	%100
81	MP4B	X	.569	.569	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1C	X	.569	.569	0	%100
84	MP1C	Z	0	0	0	%100
85	MP2C	X	.569	.569	0	%100
86	MP2C	Z	0	0	0	%100
87	MP3C	X	.569	.569	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	.569	.569	0	%100
90	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.347	.347	0	%100
2	M1	Z	.201	.201	0	%100
3	M2	X	1.39	1.39	0	%100
4	M2	Z	.802	.802	0	%100
5	M3	X	.347	.347	0	%100
6	M3	Z	.201	.201	0	%100
7	M4	X	.259	.259	0	%100
8	M4	Z	.15	.15	0	%100
9	M5	X	1.038	1.038	0	%100
10	M5	Z	.599	.599	0	%100
11	M6	X	.259	.259	0	%100
12	M6	Z	.15	.15	0	%100
13	M7	X	.347	.347	0	%100
14	M7	Z	.201	.201	0	%100
15	M8	X	1.39	1.39	0	%100
16	M8	Z	.802	.802	0	%100
17	M9	X	.347	.347	0	%100
18	M9	Z	.201	.201	0	%100
19	M10	X	.333	.333	0	%100
20	M10	Z	.192	.192	0	%100
21	M11	X	1.332	1.332	0	%100
22	M11	Z	.769	.769	0	%100
23	M12	X	.333	.333	0	%100
24	M12	Z	.192	.192	0	%100
25	M13	X	.298	.298	0	%100
26	M13	Z	.172	.172	0	%100
27	M14	X	.845	.845	0	%100
28	M14	Z	.488	.488	0	%100
29	M15	X	.365	.365	0	%100
30	M15	Z	.211	.211	0	%100
31	M16	X	.365	.365	0	%100
32	M16	Z	.211	.211	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	.019	.019	0	%100
36	M18	Z	.011	.011	0	%100
37	M19	X	.019	.019	0	%100
38	M19	Z	.011	.011	0	%100
39	M20	X	.078	.078	0	%100
40	M20	Z	.045	.045	0	%100
41	M21	X	.078	.078	0	%100
42	M21	Z	.045	.045	0	%100
43	M22	X	.019	.019	0	%100
44	M22	Z	.011	.011	0	%100
45	M23	X	.019	.019	0	%100
46	M23	Z	.011	.011	0	%100
47	M24	X	.692	.692	0	%100
48	M24	Z	.399	.399	0	%100
49	M25	X	.692	.692	0	%100
50	M25	Z	.399	.399	0	%100
51	M26	X	.103	.103	0	%100
52	M26	Z	.06	.06	0	%100
53	M27	X	.103	.103	0	%100
54	M27	Z	.06	.06	0	%100
55	M28	X	.103	.103	0	%100
56	M28	Z	.06	.06	0	%100
57	M29	X	.103	.103	0	%100
58	M29	Z	.06	.06	0	%100
59	M30	X	.103	.103	0	%100
60	M30	Z	.06	.06	0	%100
61	M31	X	.103	.103	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M31	Z	.06	.06	0	%100
63	M32	X	.103	.103	0	%100
64	M32	Z	.06	.06	0	%100
65	M33	X	.472	.472	0	%100
66	M33	Z	.273	.273	0	%100
67	MP1A	X	.493	.493	0	%100
68	MP1A	Z	.285	.285	0	%100
69	MP2A	X	.493	.493	0	%100
70	MP2A	Z	.285	.285	0	%100
71	MP3A	X	.493	.493	0	%100
72	MP3A	Z	.285	.285	0	%100
73	MP4A	X	.493	.493	0	%100
74	MP4A	Z	.285	.285	0	%100
75	MP1B	X	.493	.493	0	%100
76	MP1B	Z	.285	.285	0	%100
77	MP2B	X	.493	.493	0	%100
78	MP2B	Z	.285	.285	0	%100
79	MP3B	X	.493	.493	0	%100
80	MP3B	Z	.285	.285	0	%100
81	MP4B	X	.493	.493	0	%100
82	MP4B	Z	.285	.285	0	%100
83	MP1C	X	.493	.493	0	%100
84	MP1C	Z	.285	.285	0	%100
85	MP2C	X	.493	.493	0	%100
86	MP2C	Z	.285	.285	0	%100
87	MP3C	X	.493	.493	0	%100
88	MP3C	Z	.285	.285	0	%100
89	MP4C	X	.493	.493	0	%100
90	MP4C	Z	.285	.285	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.602	.602	0	%100
4	M2	Z	1.042	1.042	0	%100
5	M3	X	.602	.602	0	%100
6	M3	Z	1.042	1.042	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.449	.449	0	%100
10	M5	Z	.778	.778	0	%100
11	M6	X	.449	.449	0	%100
12	M6	Z	.778	.778	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	.602	.602	0	%100
16	M8	Z	1.042	1.042	0	%100
17	M9	X	.602	.602	0	%100
18	M9	Z	1.042	1.042	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	.577	.577	0	%100
22	M11	Z	.999	.999	0	%100
23	M12	X	.577	.577	0	%100
24	M12	Z	.999	.999	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	.65	.65	0	%100
28	M14	Z	1.126	1.126	0	%100
29	M15	X	.07	.07	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	M15	Z	.122	.122	0	%100
31	M16	X	.281	.281	0	%100
32	M16	Z	.487	.487	0	%100
33	M17	X	.07	.07	0	%100
34	M17	Z	.122	.122	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	.034	.034	0	%100
40	M20	Z	.058	.058	0	%100
41	M21	X	.034	.034	0	%100
42	M21	Z	.058	.058	0	%100
43	M22	X	.034	.034	0	%100
44	M22	Z	.058	.058	0	%100
45	M23	X	.034	.034	0	%100
46	M23	Z	.058	.058	0	%100
47	M24	X	.399	.399	0	%100
48	M24	Z	.692	.692	0	%100
49	M25	X	.399	.399	0	%100
50	M25	Z	.692	.692	0	%100
51	M26	X	.079	.079	0	%100
52	M26	Z	.137	.137	0	%100
53	M27	X	.079	.079	0	%100
54	M27	Z	.137	.137	0	%100
55	M28	X	.079	.079	0	%100
56	M28	Z	.137	.137	0	%100
57	M29	X	.079	.079	0	%100
58	M29	Z	.137	.137	0	%100
59	M30	X	.079	.079	0	%100
60	M30	Z	.137	.137	0	%100
61	M31	X	.079	.079	0	%100
62	M31	Z	.137	.137	0	%100
63	M32	X	.079	.079	0	%100
64	M32	Z	.137	.137	0	%100
65	M33	X	.273	.273	0	%100
66	M33	Z	.472	.472	0	%100
67	MP1A	X	.285	.285	0	%100
68	MP1A	Z	.493	.493	0	%100
69	MP2A	X	.285	.285	0	%100
70	MP2A	Z	.493	.493	0	%100
71	MP3A	X	.285	.285	0	%100
72	MP3A	Z	.493	.493	0	%100
73	MP4A	X	.285	.285	0	%100
74	MP4A	Z	.493	.493	0	%100
75	MP1B	X	.285	.285	0	%100
76	MP1B	Z	.493	.493	0	%100
77	MP2B	X	.285	.285	0	%100
78	MP2B	Z	.493	.493	0	%100
79	MP3B	X	.285	.285	0	%100
80	MP3B	Z	.493	.493	0	%100
81	MP4B	X	.285	.285	0	%100
82	MP4B	Z	.493	.493	0	%100
83	MP1C	X	.285	.285	0	%100
84	MP1C	Z	.493	.493	0	%100
85	MP2C	X	.285	.285	0	%100
86	MP2C	Z	.493	.493	0	%100
87	MP3C	X	.285	.285	0	%100
88	MP3C	Z	.493	.493	0	%100
89	MP4C	X	.285	.285	0	%100
90	MP4C	Z	.493	.493	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.401	.401	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.401	.401	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	1.605	1.605	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.3	.3	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	.3	.3	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	1.198	1.198	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	.401	.401	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	.401	.401	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	1.605	1.605	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	.385	.385	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	.385	.385	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	1.538	1.538	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	.344	.344	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	.975	.975	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	.422	.422	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	.422	.422	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	.022	.022	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	.022	.022	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	.022	.022	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	.022	.022	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	.09	.09	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	.09	.09	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	.799	.799	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	.799	.799	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	.119	.119	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	.119	.119	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	.119	.119	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	.119	.119	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	.119	.119	0	%100
61	M31	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M31	Z	.119	.119	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	.119	.119	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	.545	.545	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	.569	.569	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	.569	.569	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	.569	.569	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	.569	.569	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	.569	.569	0	%100
77	MP2B	X	0	0	0	%100
78	MP2B	Z	.569	.569	0	%100
79	MP3B	X	0	0	0	%100
80	MP3B	Z	.569	.569	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	.569	.569	0	%100
83	MP1C	X	0	0	0	%100
84	MP1C	Z	.569	.569	0	%100
85	MP2C	X	0	0	0	%100
86	MP2C	Z	.569	.569	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	.569	.569	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	.569	.569	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.602	-.602	0	%100
2	M1	Z	1.042	1.042	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.602	-.602	0	%100
6	M3	Z	1.042	1.042	0	%100
7	M4	X	-.449	-.449	0	%100
8	M4	Z	.778	.778	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-.449	-.449	0	%100
12	M6	Z	.778	.778	0	%100
13	M7	X	-.602	-.602	0	%100
14	M7	Z	1.042	1.042	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-.602	-.602	0	%100
18	M9	Z	1.042	1.042	0	%100
19	M10	X	-.577	-.577	0	%100
20	M10	Z	.999	.999	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-.577	-.577	0	%100
24	M12	Z	.999	.999	0	%100
25	M13	X	-.515	-.515	0	%100
26	M13	Z	.893	.893	0	%100
27	M14	X	-.163	-.163	0	%100
28	M14	Z	.282	.282	0	%100
29	M15	X	-.07	-.07	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	M15	Z	.122	.122	0	%100
31	M16	X	-.07	-.07	0	%100
32	M16	Z	.122	.122	0	%100
33	M17	X	-.281	-.281	0	%100
34	M17	Z	.487	.487	0	%100
35	M18	X	-.034	-.034	0	%100
36	M18	Z	.058	.058	0	%100
37	M19	X	-.034	-.034	0	%100
38	M19	Z	.058	.058	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	-.034	-.034	0	%100
44	M22	Z	.058	.058	0	%100
45	M23	X	-.034	-.034	0	%100
46	M23	Z	.058	.058	0	%100
47	M24	X	-.399	-.399	0	%100
48	M24	Z	.692	.692	0	%100
49	M25	X	-.399	-.399	0	%100
50	M25	Z	.692	.692	0	%100
51	M26	X	-.02	-.02	0	%100
52	M26	Z	.034	.034	0	%100
53	M27	X	-.02	-.02	0	%100
54	M27	Z	.034	.034	0	%100
55	M28	X	-.02	-.02	0	%100
56	M28	Z	.034	.034	0	%100
57	M29	X	-.02	-.02	0	%100
58	M29	Z	.034	.034	0	%100
59	M30	X	-.02	-.02	0	%100
60	M30	Z	.034	.034	0	%100
61	M31	X	-.02	-.02	0	%100
62	M31	Z	.034	.034	0	%100
63	M32	X	-.02	-.02	0	%100
64	M32	Z	.034	.034	0	%100
65	M33	X	-.273	-.273	0	%100
66	M33	Z	.472	.472	0	%100
67	MP1A	X	-.285	-.285	0	%100
68	MP1A	Z	.493	.493	0	%100
69	MP2A	X	-.285	-.285	0	%100
70	MP2A	Z	.493	.493	0	%100
71	MP3A	X	-.285	-.285	0	%100
72	MP3A	Z	.493	.493	0	%100
73	MP4A	X	-.285	-.285	0	%100
74	MP4A	Z	.493	.493	0	%100
75	MP1B	X	-.285	-.285	0	%100
76	MP1B	Z	.493	.493	0	%100
77	MP2B	X	-.285	-.285	0	%100
78	MP2B	Z	.493	.493	0	%100
79	MP3B	X	-.285	-.285	0	%100
80	MP3B	Z	.493	.493	0	%100
81	MP4B	X	-.285	-.285	0	%100
82	MP4B	Z	.493	.493	0	%100
83	MP1C	X	-.285	-.285	0	%100
84	MP1C	Z	.493	.493	0	%100
85	MP2C	X	-.285	-.285	0	%100
86	MP2C	Z	.493	.493	0	%100
87	MP3C	X	-.285	-.285	0	%100
88	MP3C	Z	.493	.493	0	%100
89	MP4C	X	-.285	-.285	0	%100
90	MP4C	Z	.493	.493	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.39	-1.39	0	%100
2	M1	Z	.802	.802	0	%100
3	M2	X	-.347	-.347	0	%100
4	M2	Z	.201	.201	0	%100
5	M3	X	-.347	-.347	0	%100
6	M3	Z	.201	.201	0	%100
7	M4	X	-1.038	-1.038	0	%100
8	M4	Z	.599	.599	0	%100
9	M5	X	-.259	-.259	0	%100
10	M5	Z	.15	.15	0	%100
11	M6	X	-.259	-.259	0	%100
12	M6	Z	.15	.15	0	%100
13	M7	X	-1.39	-1.39	0	%100
14	M7	Z	.802	.802	0	%100
15	M8	X	-.347	-.347	0	%100
16	M8	Z	.201	.201	0	%100
17	M9	X	-.347	-.347	0	%100
18	M9	Z	.201	.201	0	%100
19	M10	X	-1.332	-1.332	0	%100
20	M10	Z	.769	.769	0	%100
21	M11	X	-.333	-.333	0	%100
22	M11	Z	.192	.192	0	%100
23	M12	X	-.333	-.333	0	%100
24	M12	Z	.192	.192	0	%100
25	M13	X	-1.19	-1.19	0	%100
26	M13	Z	.687	.687	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-.365	-.365	0	%100
30	M15	Z	.211	.211	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-.365	-.365	0	%100
34	M17	Z	.211	.211	0	%100
35	M18	X	-.078	-.078	0	%100
36	M18	Z	.045	.045	0	%100
37	M19	X	-.078	-.078	0	%100
38	M19	Z	.045	.045	0	%100
39	M20	X	-.019	-.019	0	%100
40	M20	Z	.011	.011	0	%100
41	M21	X	-.019	-.019	0	%100
42	M21	Z	.011	.011	0	%100
43	M22	X	-.019	-.019	0	%100
44	M22	Z	.011	.011	0	%100
45	M23	X	-.019	-.019	0	%100
46	M23	Z	.011	.011	0	%100
47	M24	X	-.692	-.692	0	%100
48	M24	Z	.399	.399	0	%100
49	M25	X	-.692	-.692	0	%100
50	M25	Z	.399	.399	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	-.472	-.472	0	%100
66	M33	Z	.273	.273	0	%100
67	MP1A	X	-.493	-.493	0	%100
68	MP1A	Z	.285	.285	0	%100
69	MP2A	X	-.493	-.493	0	%100
70	MP2A	Z	.285	.285	0	%100
71	MP3A	X	-.493	-.493	0	%100
72	MP3A	Z	.285	.285	0	%100
73	MP4A	X	-.493	-.493	0	%100
74	MP4A	Z	.285	.285	0	%100
75	MP1B	X	-.493	-.493	0	%100
76	MP1B	Z	.285	.285	0	%100
77	MP2B	X	-.493	-.493	0	%100
78	MP2B	Z	.285	.285	0	%100
79	MP3B	X	-.493	-.493	0	%100
80	MP3B	Z	.285	.285	0	%100
81	MP4B	X	-.493	-.493	0	%100
82	MP4B	Z	.285	.285	0	%100
83	MP1C	X	-.493	-.493	0	%100
84	MP1C	Z	.285	.285	0	%100
85	MP2C	X	-.493	-.493	0	%100
86	MP2C	Z	.285	.285	0	%100
87	MP3C	X	-.493	-.493	0	%100
88	MP3C	Z	.285	.285	0	%100
89	MP4C	X	-.493	-.493	0	%100
90	MP4C	Z	.285	.285	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.203	-1.203	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-1.203	-1.203	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.899	-.899	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.899	-.899	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-1.203	-1.203	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-1.203	-1.203	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-1.154	-1.154	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-1.154	-1.154	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-1.031	-1.031	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-.325	-.325	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-.563	-.563	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	M15	Z	0	0	0	%100
31	M16	X	-.141	-.141	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-.141	-.141	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-.067	-.067	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	-.067	-.067	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	-.067	-.067	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	-.067	-.067	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-.799	-.799	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	-.799	-.799	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	-.04	-.04	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-.04	-.04	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	-.04	-.04	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	-.04	-.04	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	-.04	-.04	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	-.04	-.04	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	-.04	-.04	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	-.545	-.545	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	-.569	-.569	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	-.569	-.569	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	-.569	-.569	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	-.569	-.569	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1B	X	-.569	-.569	0	%100
76	MP1B	Z	0	0	0	%100
77	MP2B	X	-.569	-.569	0	%100
78	MP2B	Z	0	0	0	%100
79	MP3B	X	-.569	-.569	0	%100
80	MP3B	Z	0	0	0	%100
81	MP4B	X	-.569	-.569	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1C	X	-.569	-.569	0	%100
84	MP1C	Z	0	0	0	%100
85	MP2C	X	-.569	-.569	0	%100
86	MP2C	Z	0	0	0	%100
87	MP3C	X	-.569	-.569	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-.569	-.569	0	%100
90	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.347	-.347	0	%100
2	M1	Z	-.201	-.201	0	%100
3	M2	X	-1.39	-1.39	0	%100
4	M2	Z	-.802	-.802	0	%100
5	M3	X	-.347	-.347	0	%100
6	M3	Z	-.201	-.201	0	%100
7	M4	X	-.259	-.259	0	%100
8	M4	Z	-.15	-.15	0	%100
9	M5	X	-1.038	-1.038	0	%100
10	M5	Z	-.599	-.599	0	%100
11	M6	X	-.259	-.259	0	%100
12	M6	Z	-.15	-.15	0	%100
13	M7	X	-.347	-.347	0	%100
14	M7	Z	-.201	-.201	0	%100
15	M8	X	-1.39	-1.39	0	%100
16	M8	Z	-.802	-.802	0	%100
17	M9	X	-.347	-.347	0	%100
18	M9	Z	-.201	-.201	0	%100
19	M10	X	-.333	-.333	0	%100
20	M10	Z	-.192	-.192	0	%100
21	M11	X	-1.332	-1.332	0	%100
22	M11	Z	-.769	-.769	0	%100
23	M12	X	-.333	-.333	0	%100
24	M12	Z	-.192	-.192	0	%100
25	M13	X	-.298	-.298	0	%100
26	M13	Z	-.172	-.172	0	%100
27	M14	X	-.845	-.845	0	%100
28	M14	Z	-.488	-.488	0	%100
29	M15	X	-.365	-.365	0	%100
30	M15	Z	-.211	-.211	0	%100
31	M16	X	-.365	-.365	0	%100
32	M16	Z	-.211	-.211	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-.019	-.019	0	%100
36	M18	Z	-.011	-.011	0	%100
37	M19	X	-.019	-.019	0	%100
38	M19	Z	-.011	-.011	0	%100
39	M20	X	-.078	-.078	0	%100
40	M20	Z	-.045	-.045	0	%100
41	M21	X	-.078	-.078	0	%100
42	M21	Z	-.045	-.045	0	%100
43	M22	X	-.019	-.019	0	%100
44	M22	Z	-.011	-.011	0	%100
45	M23	X	-.019	-.019	0	%100
46	M23	Z	-.011	-.011	0	%100
47	M24	X	-.692	-.692	0	%100
48	M24	Z	-.399	-.399	0	%100
49	M25	X	-.692	-.692	0	%100
50	M25	Z	-.399	-.399	0	%100
51	M26	X	-.103	-.103	0	%100
52	M26	Z	-.06	-.06	0	%100
53	M27	X	-.103	-.103	0	%100
54	M27	Z	-.06	-.06	0	%100
55	M28	X	-.103	-.103	0	%100
56	M28	Z	-.06	-.06	0	%100
57	M29	X	-.103	-.103	0	%100
58	M29	Z	-.06	-.06	0	%100
59	M30	X	-.103	-.103	0	%100
60	M30	Z	-.06	-.06	0	%100
61	M31	X	-.103	-.103	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M31	Z	-.06	-.06	0	%100
63	M32	X	-.103	-.103	0	%100
64	M32	Z	-.06	-.06	0	%100
65	M33	X	-.472	-.472	0	%100
66	M33	Z	-.273	-.273	0	%100
67	MP1A	X	-.493	-.493	0	%100
68	MP1A	Z	-.285	-.285	0	%100
69	MP2A	X	-.493	-.493	0	%100
70	MP2A	Z	-.285	-.285	0	%100
71	MP3A	X	-.493	-.493	0	%100
72	MP3A	Z	-.285	-.285	0	%100
73	MP4A	X	-.493	-.493	0	%100
74	MP4A	Z	-.285	-.285	0	%100
75	MP1B	X	-.493	-.493	0	%100
76	MP1B	Z	-.285	-.285	0	%100
77	MP2B	X	-.493	-.493	0	%100
78	MP2B	Z	-.285	-.285	0	%100
79	MP3B	X	-.493	-.493	0	%100
80	MP3B	Z	-.285	-.285	0	%100
81	MP4B	X	-.493	-.493	0	%100
82	MP4B	Z	-.285	-.285	0	%100
83	MP1C	X	-.493	-.493	0	%100
84	MP1C	Z	-.285	-.285	0	%100
85	MP2C	X	-.493	-.493	0	%100
86	MP2C	Z	-.285	-.285	0	%100
87	MP3C	X	-.493	-.493	0	%100
88	MP3C	Z	-.285	-.285	0	%100
89	MP4C	X	-.493	-.493	0	%100
90	MP4C	Z	-.285	-.285	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.602	-.602	0	%100
4	M2	Z	-1.042	-1.042	0	%100
5	M3	X	-.602	-.602	0	%100
6	M3	Z	-1.042	-1.042	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.449	-.449	0	%100
10	M5	Z	-.778	-.778	0	%100
11	M6	X	-.449	-.449	0	%100
12	M6	Z	-.778	-.778	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-.602	-.602	0	%100
16	M8	Z	-1.042	-1.042	0	%100
17	M9	X	-.602	-.602	0	%100
18	M9	Z	-1.042	-1.042	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-.577	-.577	0	%100
22	M11	Z	-.999	-.999	0	%100
23	M12	X	-.577	-.577	0	%100
24	M12	Z	-.999	-.999	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-.65	-.65	0	%100
28	M14	Z	-1.126	-1.126	0	%100
29	M15	X	-.07	-.07	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	M15	Z	-.122	-.122	0	%100
31	M16	X	-.281	-.281	0	%100
32	M16	Z	-.487	-.487	0	%100
33	M17	X	-.07	-.07	0	%100
34	M17	Z	-.122	-.122	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	-.034	-.034	0	%100
40	M20	Z	-.058	-.058	0	%100
41	M21	X	-.034	-.034	0	%100
42	M21	Z	-.058	-.058	0	%100
43	M22	X	-.034	-.034	0	%100
44	M22	Z	-.058	-.058	0	%100
45	M23	X	-.034	-.034	0	%100
46	M23	Z	-.058	-.058	0	%100
47	M24	X	-.399	-.399	0	%100
48	M24	Z	-.692	-.692	0	%100
49	M25	X	-.399	-.399	0	%100
50	M25	Z	-.692	-.692	0	%100
51	M26	X	-.079	-.079	0	%100
52	M26	Z	-.137	-.137	0	%100
53	M27	X	-.079	-.079	0	%100
54	M27	Z	-.137	-.137	0	%100
55	M28	X	-.079	-.079	0	%100
56	M28	Z	-.137	-.137	0	%100
57	M29	X	-.079	-.079	0	%100
58	M29	Z	-.137	-.137	0	%100
59	M30	X	-.079	-.079	0	%100
60	M30	Z	-.137	-.137	0	%100
61	M31	X	-.079	-.079	0	%100
62	M31	Z	-.137	-.137	0	%100
63	M32	X	-.079	-.079	0	%100
64	M32	Z	-.137	-.137	0	%100
65	M33	X	-.273	-.273	0	%100
66	M33	Z	-.472	-.472	0	%100
67	MP1A	X	-.285	-.285	0	%100
68	MP1A	Z	-.493	-.493	0	%100
69	MP2A	X	-.285	-.285	0	%100
70	MP2A	Z	-.493	-.493	0	%100
71	MP3A	X	-.285	-.285	0	%100
72	MP3A	Z	-.493	-.493	0	%100
73	MP4A	X	-.285	-.285	0	%100
74	MP4A	Z	-.493	-.493	0	%100
75	MP1B	X	-.285	-.285	0	%100
76	MP1B	Z	-.493	-.493	0	%100
77	MP2B	X	-.285	-.285	0	%100
78	MP2B	Z	-.493	-.493	0	%100
79	MP3B	X	-.285	-.285	0	%100
80	MP3B	Z	-.493	-.493	0	%100
81	MP4B	X	-.285	-.285	0	%100
82	MP4B	Z	-.493	-.493	0	%100
83	MP1C	X	-.285	-.285	0	%100
84	MP1C	Z	-.493	-.493	0	%100
85	MP2C	X	-.285	-.285	0	%100
86	MP2C	Z	-.493	-.493	0	%100
87	MP3C	X	-.285	-.285	0	%100
88	MP3C	Z	-.493	-.493	0	%100
89	MP4C	X	-.285	-.285	0	%100
90	MP4C	Z	-.493	-.493	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-.42	-5.376	.55	1.54
2	M1	Y	-5.376	-10.667	1.54	2.53
3	M1	Y	-10.667	-13.714	2.53	3.52
4	M1	Y	-13.714	-12.227	3.52	4.51
5	M1	Y	-12.227	-7.431	4.51	5.5
6	M9	Y	-4.063	-12.782	0	.99
7	M9	Y	-12.782	-15.408	.99	1.98
8	M9	Y	-15.408	-10.921	1.98	2.97
9	M9	Y	-10.921	-6.717	2.97	3.96
10	M9	Y	-6.717	-3.817	3.96	4.95
11	M2	Y	-3.834	-6.662	.55	1.54
12	M2	Y	-6.662	-10.817	1.54	2.53
13	M2	Y	-10.817	-15.327	2.53	3.52
14	M2	Y	-15.327	-12.783	3.52	4.51
15	M2	Y	-12.783	-4.155	4.51	5.5
16	M7	Y	-7.404	-12.259	0	.99
17	M7	Y	-12.259	-13.81	.99	1.98
18	M7	Y	-13.81	-10.733	1.98	2.97
19	M7	Y	-10.733	-5.379	2.97	3.96
20	M7	Y	-5.379	-.423	3.96	4.95
21	M10	Y	-.419	-8.85	0	.187
22	M10	Y	-8.85	-8.72	.187	.373
23	M10	Y	-8.72	-2.385	.373	.56
24	M10	Y	-2.385	-.419	.56	.747
25	M10	Y	-.419	-.419	.747	.933
26	M11	Y	-.419	-.419	3.733	3.92
27	M11	Y	-.419	-2.388	3.92	4.107
28	M11	Y	-2.388	-8.725	4.107	4.293
29	M11	Y	-8.725	-8.853	4.293	4.48
30	M11	Y	-8.853	-.419	4.48	4.667
31	M46	Y	2.102	-1.058	0	.056
32	M46	Y	-1.058	-16.83	.056	.111
33	M46	Y	-16.83	-44.836	.111	.167
34	M49	Y	2.1	-1.054	0	.056
35	M49	Y	-1.054	-16.81	.056	.111
36	M49	Y	-16.81	-44.794	.111	.167
37	M10	Y	-.419	-.419	3.733	3.92
38	M10	Y	-.419	-2.385	3.92	4.107
39	M10	Y	-2.385	-8.72	4.107	4.293
40	M10	Y	-8.72	-8.85	4.293	4.48
41	M10	Y	-8.85	-.419	4.48	4.667
42	M12	Y	-.419	-8.853	0	.187
43	M12	Y	-8.853	-8.725	.187	.373
44	M12	Y	-8.725	-2.388	.373	.56
45	M12	Y	-2.388	-.419	.56	.747
46	M12	Y	-.419	-.419	.747	.933
47	M47	Y	2.102	-1.058	0	.056
48	M47	Y	-1.058	-16.83	.056	.111
49	M47	Y	-16.83	-44.836	.111	.167
50	M50	Y	2.1	-1.054	0	.056
51	M50	Y	-1.054	-16.81	.056	.111
52	M50	Y	-16.81	-44.794	.111	.167
53	M11	Y	-.419	-8.853	0	.187
54	M11	Y	-8.853	-8.725	.187	.373
55	M11	Y	-8.725	-2.388	.373	.56
56	M11	Y	-2.388	-.419	.56	.747
57	M11	Y	-.419	-.419	.747	.933
58	M12	Y	-.419	-.419	3.733	3.92
59	M12	Y	-.419	-2.385	3.92	4.107
60	M12	Y	-2.385	-8.72	4.107	4.293
61	M12	Y	-8.72	-8.85	4.293	4.48

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M12	Y	-8.85	-.419	4.48	4.667
63	M48	Y	2.1	-1.054	0	.056
64	M48	Y	-1.054	-16.81	.056	.111
65	M48	Y	-16.81	-44.794	.111	.167
66	M51	Y	2.102	-1.058	0	.056
67	M51	Y	-1.058	-16.83	.056	.111
68	M51	Y	-16.83	-44.836	.111	.167
69	M3	Y	-.595	-5.131	0	1.1
70	M3	Y	-5.131	-6.096	1.1	2.2
71	M3	Y	-6.096	-1.809	2.2	3.3
72	M8	Y	-6.26	-3.586	2.2	3.85
73	M8	Y	-3.586	-.913	3.85	5.5
74	M8	Y	-.933	-8.869	0	.66
75	M8	Y	-8.869	-12.125	.66	1.32
76	M8	Y	-12.125	-13.19	1.32	1.98
77	M8	Y	-13.19	-7.682	1.98	2.64
78	M8	Y	-7.682	-.397	2.64	3.3
79	M14	Y	-1.419	-4.086	.4	1.2
80	M14	Y	-4.086	-6.752	1.2	2
81	M3	Y	-.042	-2.324	2.2	2.86
82	M3	Y	-2.324	-3.418	2.86	3.52
83	M3	Y	-3.418	-1.822	3.52	4.18
84	M3	Y	-1.822	-.521	4.18	4.84
85	M3	Y	-.521	-.042	4.84	5.5
86	M10	Y	-2.264	-4.506	0	.373
87	M10	Y	-4.506	-6.284	.373	.747
88	M10	Y	-6.284	-5.208	.747	1.12
89	M10	Y	-5.208	-1.793	1.12	1.493
90	M10	Y	-1.793	-.112	1.493	1.867
91	M13	Y	-8.827	-2.407	0	.404
92	M13	Y	-2.407	.802	.404	.807
93	M46	Y	-.532	-.532	.019	.147

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-.7	-8.959	.55	1.54
2	M1	Y	-8.959	-17.779	1.54	2.53
3	M1	Y	-17.779	-22.857	2.53	3.52
4	M1	Y	-22.857	-20.378	3.52	4.51
5	M1	Y	-20.378	-12.385	4.51	5.5
6	M9	Y	-6.771	-21.304	0	.99
7	M9	Y	-21.304	-25.681	.99	1.98
8	M9	Y	-25.681	-18.202	1.98	2.97
9	M9	Y	-18.202	-11.196	2.97	3.96
10	M9	Y	-11.196	-6.361	3.96	4.95
11	M2	Y	-6.39	-11.103	.55	1.54
12	M2	Y	-11.103	-18.028	1.54	2.53
13	M2	Y	-18.028	-25.545	2.53	3.52
14	M2	Y	-25.545	-21.304	3.52	4.51
15	M2	Y	-21.304	-6.925	4.51	5.5
16	M7	Y	-12.339	-20.432	0	.99
17	M7	Y	-20.432	-23.017	.99	1.98
18	M7	Y	-23.017	-17.889	1.98	2.97
19	M7	Y	-17.889	-8.966	2.97	3.96
20	M7	Y	-8.966	-.705	3.96	4.95
21	M10	Y	-.699	-14.75	0	.187
22	M10	Y	-14.75	-14.533	.187	.373
23	M10	Y	-14.533	-3.975	.373	.56
24	M10	Y	-3.975	-.699	.56	.747
25	M10	Y	-.699	-.699	.747	.933
26	M11	Y	-.699	-.699	3.733	3.92

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
27	M11	Y	-.699	-3.981	3.92	4.107
28	M11	Y	-3.981	-14.542	4.107	4.293
29	M11	Y	-14.542	-14.756	4.293	4.48
30	M11	Y	-14.756	-.699	4.48	4.667
31	M46	Y	3.503	-1.764	0	.056
32	M46	Y	-1.764	-28.05	.056	.111
33	M46	Y	-28.05	-74.727	.111	.167
34	M49	Y	3.5	-1.757	0	.056
35	M49	Y	-1.757	-28.017	.056	.111
36	M49	Y	-28.017	-74.657	.111	.167
37	M10	Y	-.699	-.699	3.733	3.92
38	M10	Y	-.699	-3.975	3.92	4.107
39	M10	Y	-3.975	-14.533	4.107	4.293
40	M10	Y	-14.533	-14.75	4.293	4.48
41	M10	Y	-14.75	-.699	4.48	4.667
42	M12	Y	-.699	-14.756	0	.187
43	M12	Y	-14.756	-14.542	.187	.373
44	M12	Y	-14.542	-3.981	.373	.56
45	M12	Y	-3.981	-.699	.56	.747
46	M12	Y	-.699	-.699	.747	.933
47	M47	Y	3.503	-1.764	0	.056
48	M47	Y	-1.764	-28.05	.056	.111
49	M47	Y	-28.05	-74.727	.111	.167
50	M50	Y	3.5	-1.757	0	.056
51	M50	Y	-1.757	-28.017	.056	.111
52	M50	Y	-28.017	-74.657	.111	.167
53	M11	Y	-.699	-14.756	0	.187
54	M11	Y	-14.756	-14.542	.187	.373
55	M11	Y	-14.542	-3.981	.373	.56
56	M11	Y	-3.981	-.699	.56	.747
57	M11	Y	-.699	-.699	.747	.933
58	M12	Y	-.699	-.699	3.733	3.92
59	M12	Y	-.699	-3.975	3.92	4.107
60	M12	Y	-3.975	-14.533	4.107	4.293
61	M12	Y	-14.533	-14.75	4.293	4.48
62	M12	Y	-14.75	-.699	4.48	4.667
63	M48	Y	3.5	-1.757	0	.056
64	M48	Y	-1.757	-28.017	.056	.111
65	M48	Y	-28.017	-74.657	.111	.167
66	M51	Y	3.503	-1.764	0	.056
67	M51	Y	-1.764	-28.05	.056	.111
68	M51	Y	-28.05	-74.727	.111	.167
69	M3	Y	-.992	-8.551	0	1.1
70	M3	Y	-8.551	-10.16	1.1	2.2
71	M3	Y	-10.16	-3.015	2.2	3.3
72	M8	Y	-10.433	-5.977	2.2	3.85
73	M8	Y	-5.977	-1.521	3.85	5.5
74	M8	Y	-1.554	-14.781	0	.66
75	M8	Y	-14.781	-20.208	.66	1.32
76	M8	Y	-20.208	-21.984	1.32	1.98
77	M8	Y	-21.984	-12.803	1.98	2.64
78	M8	Y	-12.803	-.661	2.64	3.3
79	M14	Y	-2.366	-6.81	.4	1.2
80	M14	Y	-6.81	-11.254	1.2	2
81	M3	Y	-.069	-3.873	2.2	2.86
82	M3	Y	-3.873	-5.696	2.86	3.52
83	M3	Y	-5.696	-3.037	3.52	4.18
84	M3	Y	-3.037	-.868	4.18	4.84
85	M3	Y	-.868	-.069	4.84	5.5
86	M10	Y	-3.774	-7.51	0	.373
87	M10	Y	-7.51	-10.474	.373	.747

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
88	M10	Y	-10.474	-8.68	.747	1.12
89	M10	Y	-8.68	-2.989	1.12	1.493
90	M10	Y	-2.989	-.187	1.493	1.867
91	M13	Y	-14.712	-4.012	0	.404
92	M13	Y	-4.012	1.337	.404	.807
93	M46	Y	-.887	-.887	.019	.147

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N4	max	1010.751	11	2711.852	19	5408.058	13	.083	25	.707	11	.244	41
2		min	-1058.52	5	315.923	25	31.287	7	-2.785	19	-.743	5	-.275	11
3	N2	max	4759.588	22	2647.93	15	453.061	2	1.631	25	.59	8	2.274	16
4		min	-60.931	4	809.559	9	-2879.44	20	-.46	7	-.579	2	-.219	10
5	N3	max	127.673	10	2623.645	23	690.905	12	1.521	36	.708	12	-.299	4
6		min	-4694.37	16	783.266	5	-2849.761	18	.007	6	-.678	6	-2.386	22
7	Totals:	max	4397.834	10	7853.851	18	4410.798	1						
8		min	-4397.832	4	3097.676	1	-4410.794	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M1	C5X6.7	.398	5.042	1	.668	5.042	y	15	24375.2...	63828	1.604	9.585	2....	H1-1b
2	M2	C5X6.7	.419	5.042	21	.671	5.042	y	23	24375.2...	63828	1.604	9.585	2....	H1-1b
3	M3	C5X6.7	.397	5.042	12	.659	5.328	y	19	24375.2...	63828	1.604	9.585	2.2	H1-1b
4	M4	C5X6.7	.277	1	18	.670	1	y	15	61831.7...	63828	1.604	9.585	1....	H1-1b
5	M5	C5X6.7	.325	0	20	.676	.5	y	23	61831.7...	63828	1.604	9.585	1....	H1-1b
6	M6	C5X6.7	.340	1	23	.680	1	y	19	61831.7...	63828	1.604	9.585	1....	H1-1b
7	M7	C5X6.7	.403	.458	5	.671	.458	y	15	24375.2...	63828	1.604	9.585	2....	H1-1b
8	M8	C5X6.7	.405	.516	17	.669	.458	y	23	24375.2...	63828	1.604	9.585	1....	H1-1b
9	M9	C5X6.7	.443	.458	22	.681	.458	y	19	24375.2...	63828	1.604	9.585	1....	H1-1b
10	M10	C5X6.7	.556	1.993	15	.328	1.993	y	21	31951.1...	63828	1.604	9.585	1....	H1-1b
11	M11	C5X6.7	.508	2.674	23	.190	2.674	y	16	31951.1...	63828	1.604	9.585	1....	H1-1b
12	M12	C5X6.7	.482	1.993	19	.185	1.993	y	14	31951.1...	63828	1.604	9.585	1....	H1-1b
13	M13	C5X6.7	.136	.28	4	.058	.252	z	14	50712.0...	63828	1.604	9.585	1....	H1-1b
14	M14	C5X6.7	.324	0	12	.197	.417	z	12	56209.8...	63828	1.604	9.585	1....	H1-1b
15	M15	HSS3X3X5	.319	2.25	18	.110	2.25	y	21	116734....	121716	10.005	10.005	2....	H1-1b
16	M16	HSS3X3X5	.287	2.25	16	.145	2.25	y	36	116734....	121716	10.005	10.005	2....	H1-1b
17	M17	HSS3X3X5	.308	2.25	24	.136	2.25	y	25	116734....	121716	10.005	10.005	2....	H1-1b
18	M18	PL3/8x8	.012	.833	25	.007	0	y	12	62024.8...	97200	.759	16.2	2....	H1-1b
19	M19	PL3/8x8	.015	.833	18	.009	0	y	5	62024.8...	97200	.759	16.2	2....	H1-1b
20	M20	PL3/8x8	.015	.833	9	.011	.833	y	9	62024.8...	97200	.759	16.2	2....	H1-1b
21	M21	PL3/8x8	.017	.833	14	.009	0	y	1	62024.8...	97200	.759	16.2	2....	H1-1b
22	M22	PL3/8x8	.016	.833	5	.012	.833	y	5	62024.8...	97200	.759	16.2	2....	H1-1b
23	M23	PL3/8x8	.015	.833	22	.010	0	y	9	62024.8...	97200	.759	16.2	2....	H1-1b
24	M24	L2x2x3	.273	2.042	6	.019	1.969	z	4	3497.983	23392.8	.558	1.124	2....	H2-1
25	M25	L2x2x3	.260	2.042	12	.016	2.698	y	2	3497.983	23392.8	.558	1.124	2....	H2-1
26	M26	SR_0.75	.022	0	3	.012	1.167		8	10673.2...	14313.8...	.179	.179	2....	H1-1b
27	M27	SR_0.75	.089	0	9	.013	1.167		2	10673.2...	14313.8...	.179	.179	2....	H1-1b
28	M28	SR_0.75	.110	0	9	.020	1.167		2	10673.2...	14313.8...	.179	.179	2....	H1-1b
29	M29	SR_0.75	.113	0	9	.024	1.167		3	10673.2...	14313.8...	.179	.179	2....	H1-1b
30	M30	SR_0.75	.073	0	9	.017	1.167		3	10673.2...	14313.8...	.179	.179	2....	H1-1b
31	M31	SR_0.75	.015	0	3	.013	1.167		20	10673.2...	14313.8...	.179	.179	2....	H1-1b
32	M32	SR_0.75	.070	0	9	.007	1.167		2	10673.2...	14313.8...	.179	.179	2....	H1-1b
33	M33	PIPE_2.0	.397	3.984	6	.027	3.984		6	25203.8...	32130	1.872	1.872	1....	H1-1b
34	MP1A	PIPE_2.0	.101	4.073	1	.022	4.073		6	13511.2...	32130	1.872	1.872	1....	H1-1b
35	MP2A	PIPE_2.0	.495	3.984	1	.083	4.073		9	13511.2...	32130	1.872	1.872	1....	H1-1b
36	MP3A	PIPE_2.0	.116	3.984	1	.020	3.984		11	13511.2...	32130	1.872	1.872	2....	H1-1b
37	MP4A	PIPE_2.0	.095	4.073	1	.024	4.073		10	13511.2...	32130	1.872	1.872	1....	H1-1b
38	MP1B	PIPE_2.0	.101	4.073	5	.022	4.073		10	13511.2...	32130	1.872	1.872	1....	H1-1b

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
39	MP2B	PIPE_2.0	.495	3.984	5	.083	4.073		9	13511.2...	32130	1.872	1.872	1....	H1-1b
40	MP3B	PIPE_2.0	.118	3.984	5	.020	3.984		3	13511.2...	32130	1.872	1.872	2....	H1-1b
41	MP4B	PIPE_2.0	.111	4.073	5	.024	4.073		1	13511.2...	32130	1.872	1.872	1....	H1-1b
42	MP1C	PIPE_2.0	.101	4.073	9	.022	4.073		2	13511.2...	32130	1.872	1.872	1....	H1-1b
43	MP2C	PIPE_2.0	.495	3.984	9	.083	4.073		5	13511.2...	32130	1.872	1.872	1....	H1-1b
44	MP3C	PIPE_2.0	.118	3.984	9	.020	3.984		7	13511.2...	32130	1.872	1.872	2....	H1-1b
45	MP4C	PIPE_2.0	.096	4.073	9	.024	4.073		6	13511.2...	32130	1.872	1.872	1....	H1-1b

Plate Check:

Maximum Applied Stress: $\sigma_{app} := 23.73 \cdot ksi$ (Obtained from Risa 3D)

Design Stress: $\sigma_d := 36 \cdot ksi \cdot 0.9 = 32.4 \cdot ksi$ (36 KSI Steel assumed)

Stress Check:

$$Check := \begin{cases} \text{"OK"} & \text{if } \sigma_{app} \le \sigma_d \\ \text{"NO GOOD"} & \text{otherwise} \end{cases}$$

$Check = \text{"OK"}$

Capacity: $Capacity := \frac{\sigma_{app}}{\sigma_d} = 73.241 \cdot \%$

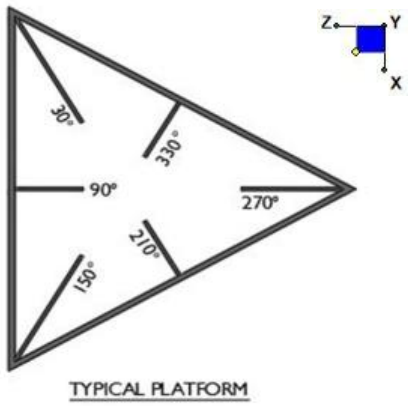
Client:	Verizon Wireless	Date:	6/28/2021
Site Name:	WINDSOR LOCKS 2 CT		
Project No.	21777829A		
Title:	Mount Analysis	Page:	1

Version 3.1

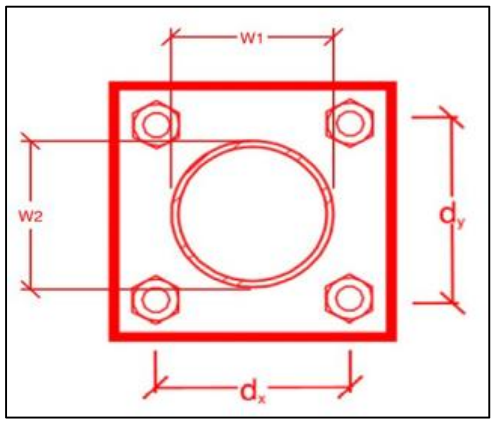
I. Mount-to-Tower Connection Check

RISA Model Data

Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N2	90
N3	210
N4	330



TYPICAL PLATFORM



Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
W1 (in):	3
W2 (in):	3
Weld Size (1/16 in):	4
Phi*Rn (kip/in):	5.57
Required Weld Strength (kip/in):	2.59
Weld Capacity:	**46.5%**

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

Base Requirements:

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

Photo Requirements:

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

- These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
- Photos showing the safety climb wire rope above and below the mount prior to modification.
- Photos showing the climbing facility and safety climb if present.

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

1) Install the proposed OVP on the existing mount pipe attached to the platform standoff.

Response:

Schedule A – Photo & Document File Structure

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

Structure: 467751-VZW - WINDSOR LOCKS 2 CT

Sector: **A** 6/28/2021

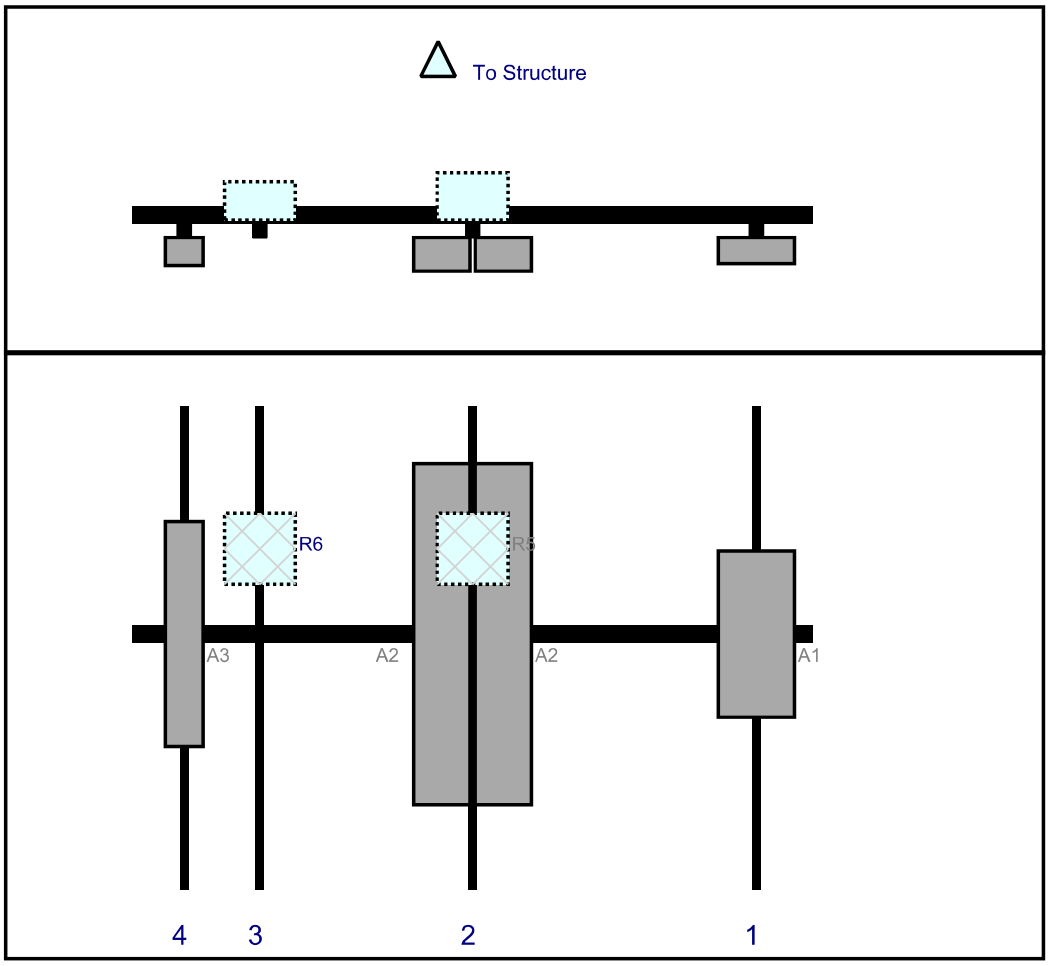
Structure Type: Monopole 10061286

Mount Elev: 85.00 Page: 1

MASER CONSULTING — CONNECTICUT —

Plan View

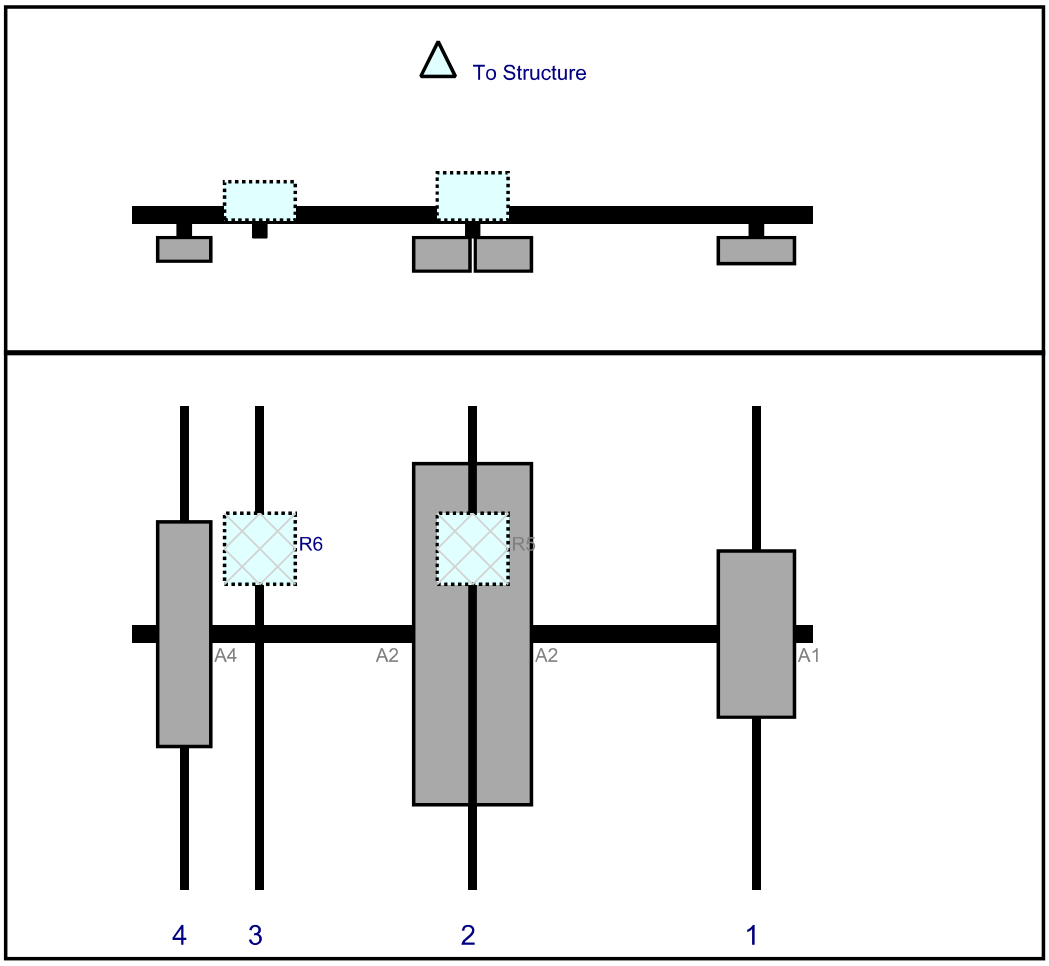
Front View
Looking at Structure



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	MT6407-77A	35.1	16.1	132	1	a	Front	48	0	Added	
A2	NHH-65B-R2B	72	11.9	72	2	a	Front	48	6.5	Added	
A2	NHH-65B-R2B	72	11.9	72	2	b	Front	48	-6.5	Added	
R5	B2/B66A RRH-BR049	15	15	72	2	a	Behind	30	0	Added	
R6	B5/B13 RRH-BR04C	15	15	27	3	a	Behind	30	0	Added	
A3	BXA-70080-4BF-EDIN-0	47.5	8	11	4	a	Front	48	0	Retained	04/28/2021

Plan View

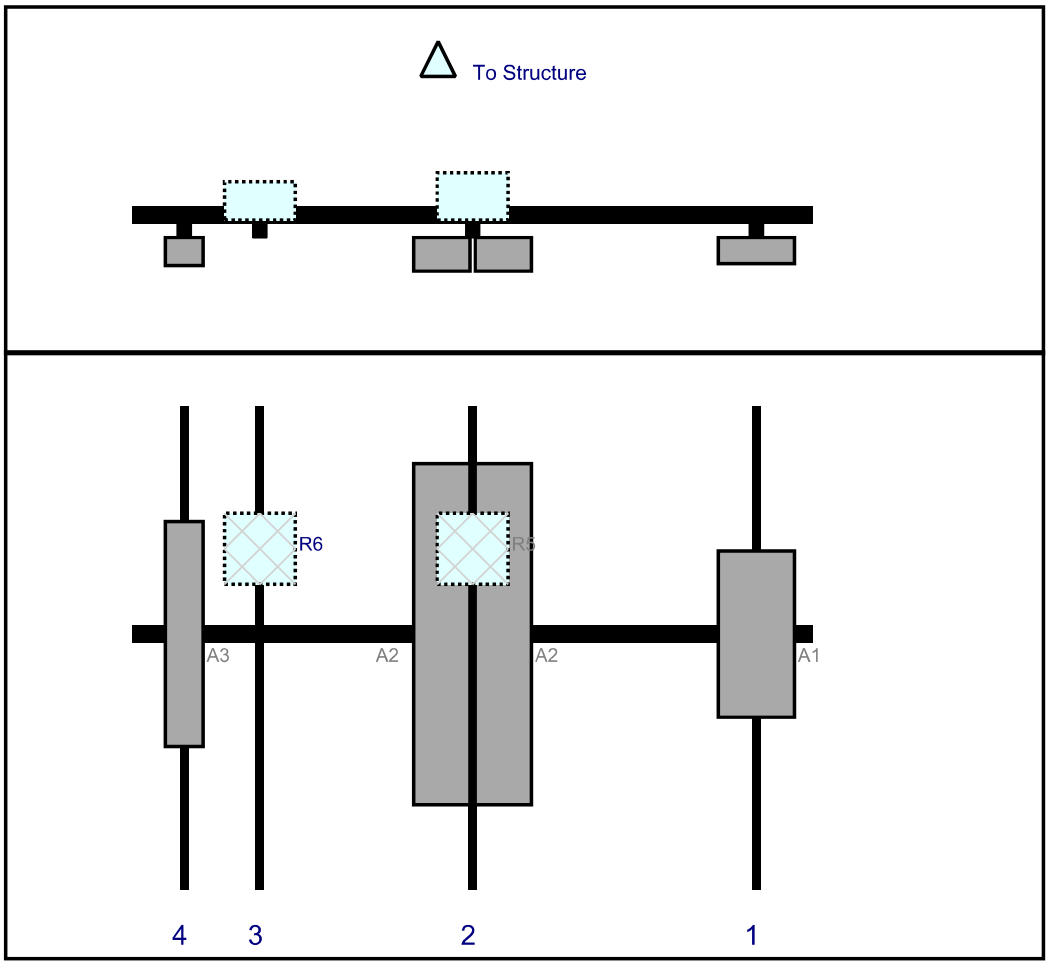
Front View
Looking at Structure



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	MT6407-77A	35.1	16.1	132	1	a	Front	48	0	Added	
A2	NHH-65B-R2B	72	11.9	72	2	a	Front	48	6.5	Added	
A2	NHH-65B-R2B	72	11.9	72	2	b	Front	48	-6.5	Added	
R5	B2/B66A RRH-BR049	15	15	72	2	a	Behind	30	0	Added	
R6	B5/B13 RRH-BR04C	15	15	27	3	a	Behind	30	0	Added	
A4	BXA-80063/4CF	47.4	11.2	11	4	a	Front	48	0	Retained	04/28/2021

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	MT6407-77A	35.1	16.1	132	1	a	Front	48	0	Added	
A2	NHH-65B-R2B	72	11.9	72	2	a	Front	48	6.5	Added	
A2	NHH-65B-R2B	72	11.9	72	2	b	Front	48	-6.5	Added	
R5	B2/B66A RRH-BR049	15	15	72	2	a	Behind	30	0	Added	
R6	B5/B13 RRH-BR04C	15	15	27	3	a	Behind	30	0	Added	
A3	BXA-70080-4BF-EDIN-0	47.5	8	11	4	a	Front	48	0	Retained	04/28/2021

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	Site ID:	*467751-VZW / WINDSOR LOCKS 2 CT*
	Site Name:	*WINDSOR LOCKS 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*1000 Old County Circle Rd* *Windsor, Connecticut 06095* *Hartford County*
	Latitude:	*41.910097°*
	Longitude:	*-72.661758°*
Structure Information	Tower Type:	*95-ft Monopole*
	Mount Type:	*12.00-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,

Derek Hartzell, PE
Technical Specialist

Exhibit F

Power Density/RF Emissions Report

Site Name: ***WINDSOR LOCKS 2 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	663	2652	85	0.0132	0.5007	2.64%
VZW CDMA	869	2	405	810	85	0.0040	0.5793	0.70%
VZW Cellular	869	4	689	2756	85	0.0137	0.5793	2.37%
VZW PCS	1980	4	1420	5680	85	0.0283	1.0000	2.83%
VZW AWS	2125	4	1600	6400	85	0.0319	1.0000	3.19%
VZW CBAND	3730	4	6531	26124	85	0.1300	1.0000	13.00%
Total Percentage of Maximum Permissible Exposure								**24.72%**

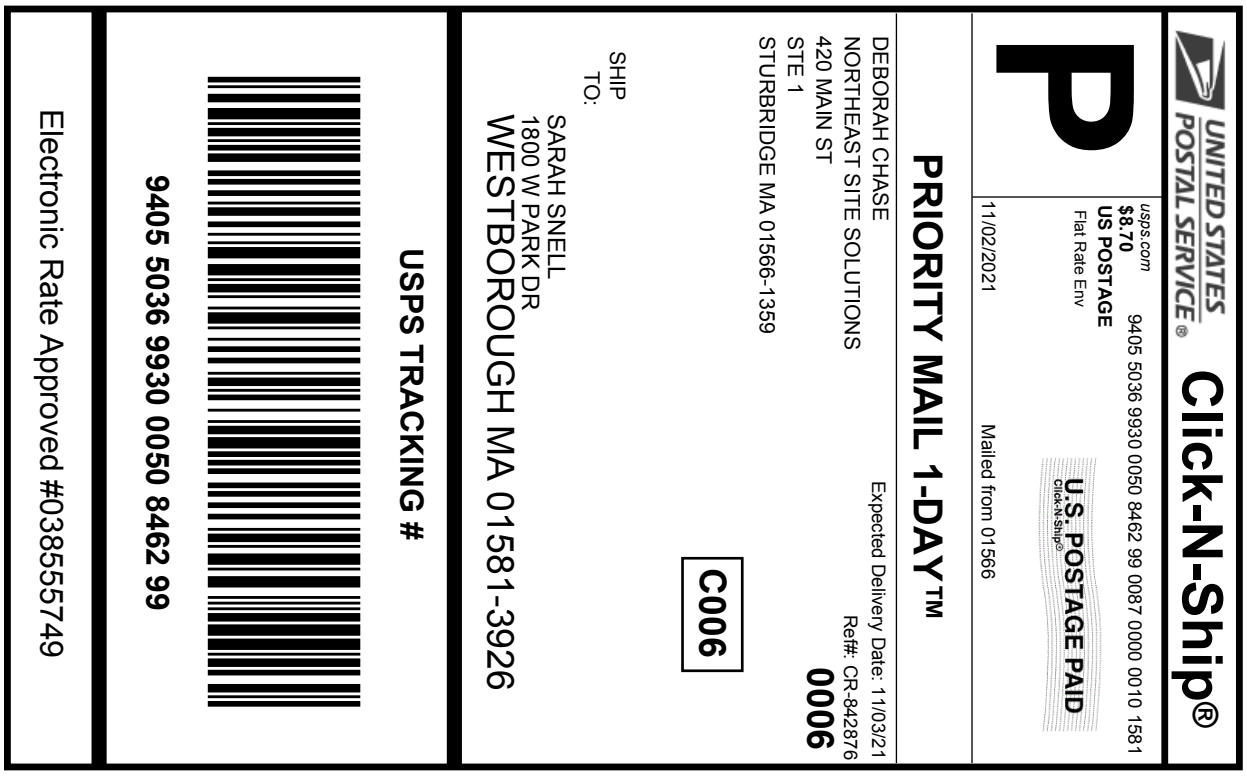
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification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

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

Absolute worst case maximum values used.

Exhibit F

Recipient Mailings



Cut on dotted line.

Instructions

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2. **Place your label so it does not wrap around the edge of the package.**
3. **Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.**
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 0050 8462 99

Trans. #:	547436771
Print Date:	11/02/2021
Ship Date:	11/02/2021
Expected Delivery Date:	11/03/2021

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

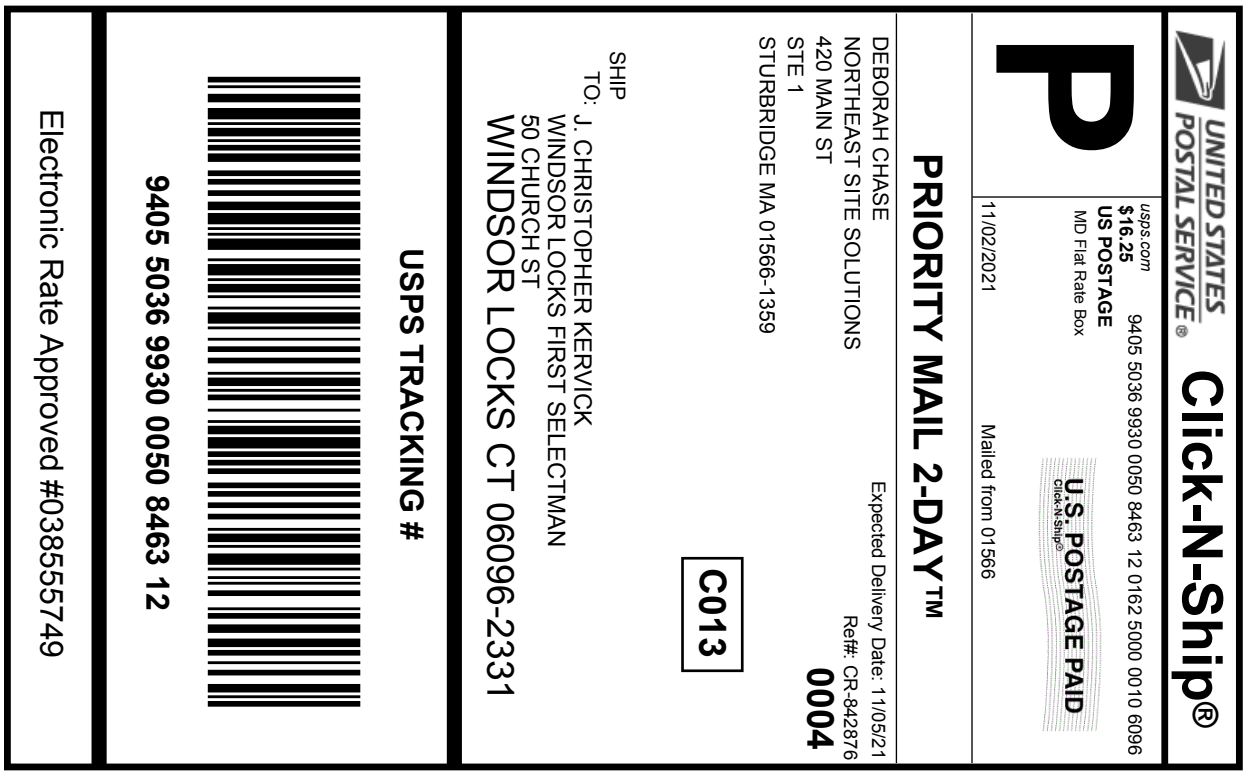
From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-842876

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

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

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



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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0050 8463 12

Trans. #:	547436771
Print Date:	11/02/2021
Ship Date:	11/02/2021
Expected Delivery Date:	11/05/2021

Priority Mail® Postage:	**$16.25**
Total:	**$16.25**

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

Ref#: CR-842876

To: J. CHRISTOPHER KERVICK
WINDSOR LOCKS FIRST SELECTMAN
50 CHURCH ST
WINDSOR LOCKS CT 06096-2331

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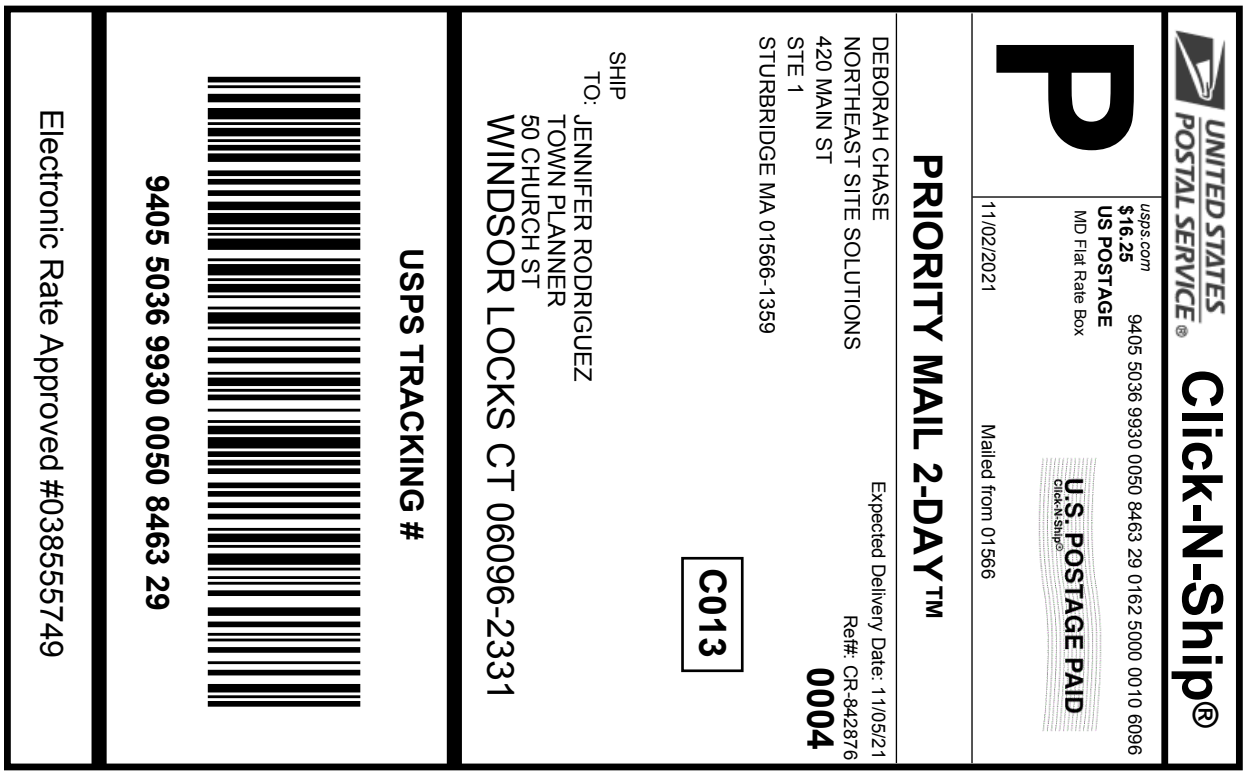

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5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
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Trans. #:	547436771
Print Date:	11/02/2021
Ship Date:	11/02/2021
Expected Delivery Date:	11/05/2021

Priority Mail® Postage:	**$16.25**
Total:	**$16.25**

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

Ref#: CR-842876

To: JENNIFER RODRIGUEZ
TOWN PLANNER
50 CHURCH ST
WINDSOR LOCKS CT 06096-2331

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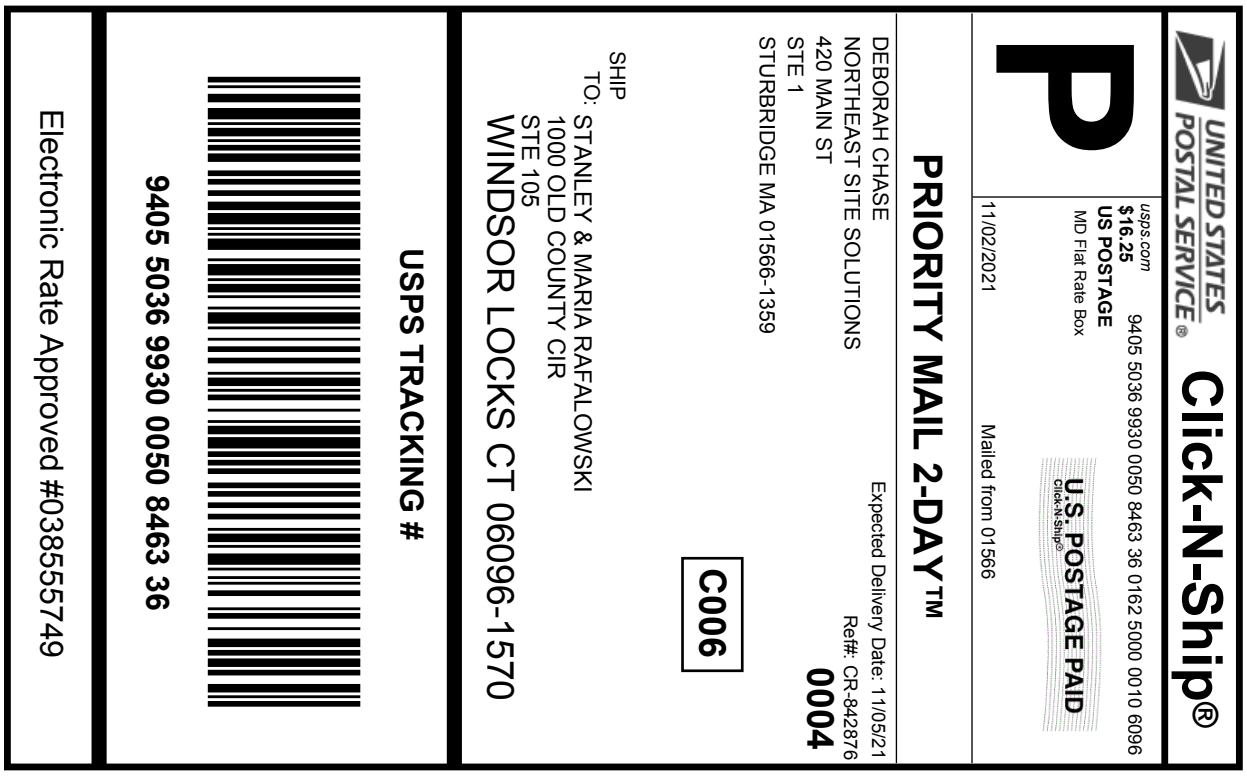

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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0050 8463 36

Trans. #:	547436771
Print Date:	11/02/2021
Ship Date:	11/02/2021
Expected Delivery Date:	11/05/2021

Priority Mail® Postage:	**$16.25**
Total:	**$16.25**

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

Ref#: CR-842876

To: STANLEY & MARIA RAFALOWSKI
1000 OLD COUNTY CIR
STE 105
WINDSOR LOCKS CT 06096-1570

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

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

842876

UNITED STATES POSTAL SERVICE.

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

11/09/2021 08:37 AM

Product	Qty	Unit Price	Price
Prepaid Mail Westborough, MA 01581 Weight: 0 lb 2.00 oz Acceptance Date: Tue 11/09/2021 Tracking #: 9405 5036 9930 0050 8462 99	1		$0.00
Prepaid Mail Windsor Locks, CT 06096 Weight: 0 lb 7.50 oz Acceptance Date: Tue 11/09/2021 Tracking #: 9405 5036 9930 0050 8463 12	1		$0.00
Prepaid Mail Windsor Locks, CT 06096 Weight: 0 lb 7.50 oz Acceptance Date: Tue 11/09/2021 Tracking #: 9405 5036 9930 0050 8463 36	1		$0.00
Prepaid Mail Windsor Locks, CT 06096 Weight: 0 lb 7.50 oz Acceptance Date: Tue 11/09/2021 Tracking #: 9405 5036 9930 0050 8463 29	1		$0.00
Grand Total:			$0.00

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