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 3, 2021

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

RE: Exempt Modification Application
1102 Horse Hill Road, Westbrook, CT 06498
Latitude: 41.323777
Longitude: -72.491111
Site #: 857011_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 1102 Horse Hill Road, Westbrook, CT 06498. Verizon Wireless currently maintains twelve (12) antennas at the 147-foot level of the existing 160-foot tower. The property is owned by the Norwich RC Diocesan Corp & Resurrection Cemetery and the tower is owned by Crown Castle. Verizon now intends to replace three (3) antennas. The new antennas would be installed at the 147-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable.

Verizon Planned Modifications:

Remove: None

Remove and Replace:
(3) QUAD656C0000X Antennas (REMOVE) – (3) MT6407-77A Antennas (REPLACE)
(3) Nokia B13 RRH (REMOVE) - (3) Samsung RF4440d-13A (REPLACE)
(3) Nokia B66A RRH (REMOVE) - (3) Samsung RF4439d-25A (REPLACE)

Install New: None

Existing to Remain:
(9) ANDREW / COMMSCOPE Antennas
(2) Raycap
(2) Hybrid Lines

The facility was approved by the CT Siting Council, Docket No. 289 on August 26, 2004. Please see attached.

NORTHEAST SITE SOLUTIONS

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Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies§ 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.SA. § 16-SOj-73, a copy of this letter is being sent to Noel Bishop, First Selectman, and Eric Knapp, Planning, Zoning & Development Coordinator for the Town of Westbrook. A copy is also being sent to the tower owner and property owner.

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

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

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

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

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

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

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

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

Sincerely,

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

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Attachments

Cc: Noel Bishop - First Selectman
Town of Westbrook
866 Boston Post Road, Westbrook, CT 06498

Eric Knapp - Planning, Zoning & Development Coordinator
Town of Westbrook
866 Boston Post Road, Westbrook, CT 06498

Norwich RC Diocesan Corp & Resurrection Cemetery – Property Owners
815 Boswell Avenue, Norwich, CT 06360

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

Connecticut Siting Council

Decisions

DOCKET NO. 289 – AT&T Wireless PCS, LLC d/b/a AT&T Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility in the Town of Westbrook, Connecticut.	} } }	Connecticut Siting Council August 26, 2004

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to AT&T Wireless PCS, LLC d/b/a AT&T Wireless for the construction, maintenance and operation of a wireless telecommunications facility at Horse Hill Road (State Route 145), Westbrook, Connecticut.

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

1. The tower shall be designed as a monopole and shall be constructed no taller than 160 feet above ground level to provide telecommunications services to both public and private entities. The overall height of such tower shall not exceed 163 feet with all appurtenances attached thereto.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on all parties and intervenors, as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:

    a. a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment building, access road, utility line, and landscaping; and

    b) construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of electromagnetic radio frequency power density is submitted to the Council in the event other carriers locate at this facility or if circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

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

5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

6. The Certificate Holder shall provide reasonable space on the tower for no compensation for any municipal antennas, provided such antennas are compatible with the structural integrity of the tower.

7. If the facility does not initially provide wireless services within one year of completion of construction or ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.

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

9. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved. Any request for extensions of the period shall be filed with the Council not later than sixty days prior to expiration date of the Certificate and shall be served on all parties and intervenors, as listed in the service list. Any proposed modifications to this Decision and Order shall likewise be so served.

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

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

The parties and intervenors to this proceeding are:

Exhibit B

Property Card

1102 HORSE HILL RD

Location	1102 HORSE HILL RD	**Mblu**	126/ / 013/ /
Acct#	N0513301	**Owner**	NORWICH RC DIOCESAN CORP
Assessment	$250,800	**Appraisal**	$732,900
PID	2749	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2016	$189,700	$543,200	$732,900
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2016	$132,790	$118,010	$250,800

Owner of Record

Owner	NORWICH RC DIOCESAN CORP	**Sale Price**	$0
Co-Owner	RESURRECTION CEMETARY	**Certificate**	
Address	815 BOSWELL AVE NORWICH, CT 06360	**Book & Page**	52/301
		Sale Date	01/01/1901
		Instrument	25

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
NORWICH RC DIOCESAN CORP	$0		52/301	25	01/01/1901

Building Information

Building 1 : Section 1

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

Building Attributes	
Field	**Description**
Style	Outbuildings
Model	
Grade:	
Stories	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Full Bthrms:	
Half Baths:	
Extra Fixtures	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Extra Kitchens	
Fireplace(s)	
Gas Fireplace(s)	
Stacks	
Bsmt Garage(s)	
Callback	
Fireplaces	
Fin Bsmnt	
Fin Bsmnt Qual	
Bsmt Heat	
Int Vs Ext	
Fndtn Cndtn	
Basement	

Building Photo

(http://images.vgsi.com/photos2/WestbrookCTPhotos//default.jpg)

Building Layout

Building Layout

(http://images.vgsi.com/photos2/WestbrookCTPhotos//Sketches/2749_274

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

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	610
Description	Forest
Zone	RR
Neighborhood	0040
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	58
Depth	
Assessed Value	$118,010
Appraised Value	$543,200

Special Land			
Land Use Code	**Land Use Description**	**Units**	**Unit Type**
610	Forest	30	AC

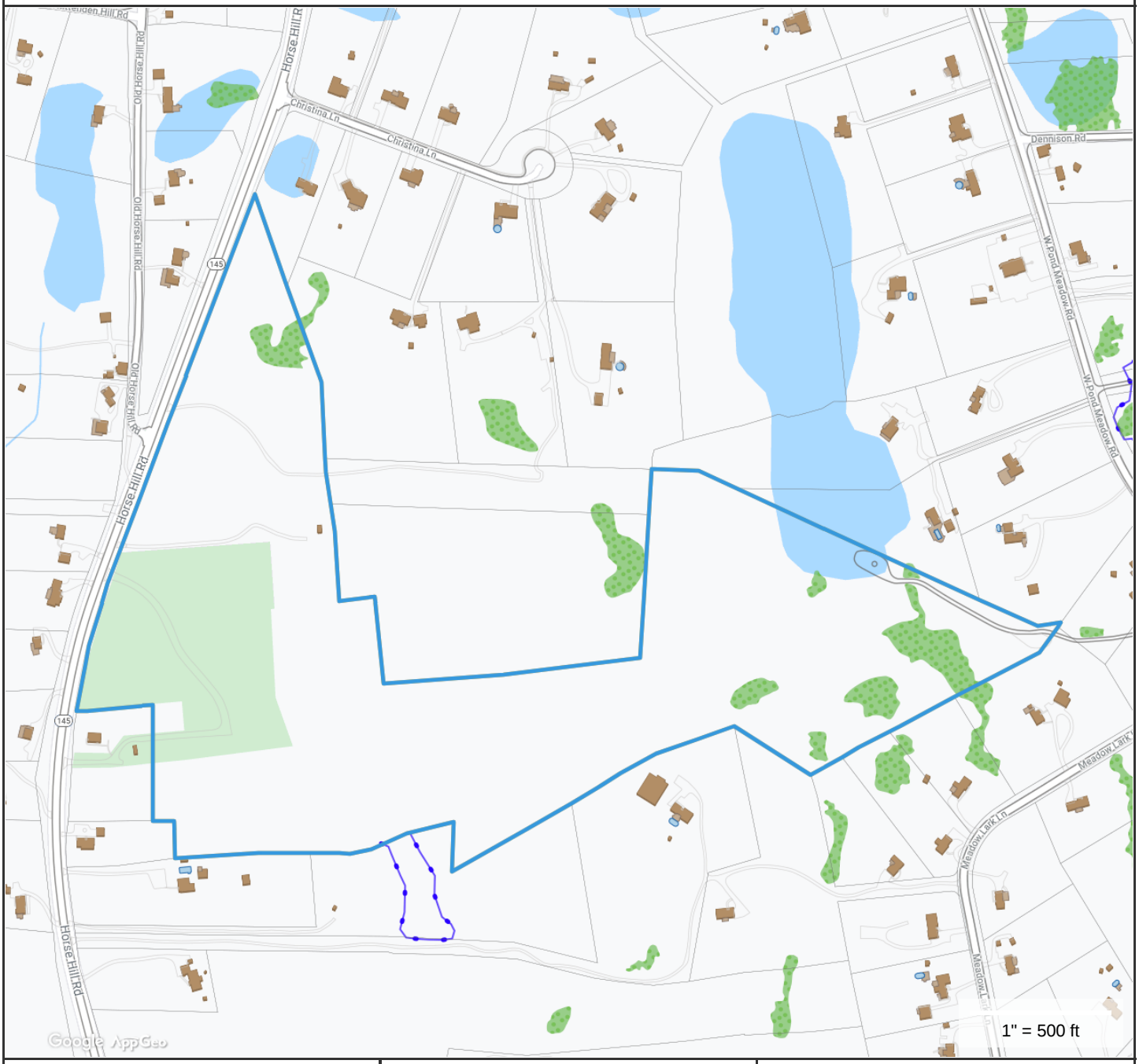
Outbuildings

Outbuildings							Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**	**Comment**
TCS	Telecomm Site			209.00 UNITS	$80,470	1	
TCM	Telecomm			0.00 S.F.&HGT	$25,000	1	
TCM	Telecomm			1.00 S.F.&HGT	$5,000	1	
TCS	Telecomm Site			147.00 UNITS	$79,230	1	

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$189,700	$543,200	$732,900
2018	$185,450	$543,200	$728,650
2017	$105,470	$543,200	$648,670

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$132,790	$118,010	$250,800
2018	$129,820	$118,010	$247,830
2017	$73,830	$118,010	$191,840



Property Information

Property ID	126/013
Location	1102 HORSE HILL RD
Owner	NORWICH RC DIOCESAN CORP

MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

Town of Westbrook, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated October 2018
Data updated 11/19/2018

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.

Exhibit C

Construction Drawings

VERIZON SITE NUMBER: 469675
VERIZON SITE NAME: WESTBROOK NORTH CT - CROWN-HORSE HILL
SITE TYPE: MONOPOLE
TOWER HEIGHT: 159'-0"

BUSINESS UNIT #: 857011
SITE ADDRESS: 1102 HORSE HILL ROAD WESTBROOK, CT 06498
COUNTY: MIDDLESEX
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON 5G L-SUB6 - CARRIER ADD

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	WESTBROOK NORTH HORSE HILL ROAD
SITE ADDRESS:	1102 HORSE HILL ROAD WESTBROOK, CT 06498
COUNTY:	MIDDLESEX
MAP/PARCEL #:	126-013
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.323808°
LONGITUDE:	-72.491139°
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	318'
CURRENT ZONING:	RR
JURISDICTION:	CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	NORWICH RC DIOCESAN CORP, RESURRECTION CEMETARY,815 BOSWELL AVE NORWICH, CT 06360
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	NOT PROVIDED
TELCO PROVIDER:	NOT PROVIDED

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S. BOULDER AVE. TULSA, OK 74119 MARVIN PHILLIPS marvin.phillips@btgrp.com
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065
VERIZON 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	----
VzW LOCATION CODE (PSLC)	----

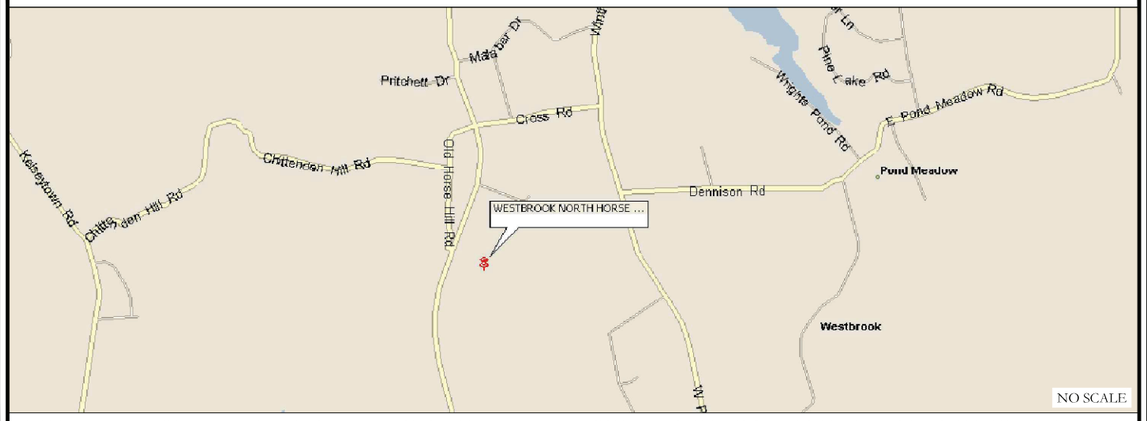
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	N

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



GET ON I-95 N IN EAST HAVEN FROM DODGE AVE AND THOMPSON AVE, HEAD WEST, TURN RIGHT ONTO BURR ST, CONTINUE STRAIGHT ONTO DODGE AVE, TURN LEFT ONTO THOMPSON AVE AT WEBSTER BANK, CONTINUE ONTO HIGH ST TURN RIGHT TO MERGE WITH I-95 N TOWARD NEW LONDON, FOLLOW I-95 N TO CT-145 N IN WESTBROOK. TAKE EXIT 64 FROM I-95 N, MERGE WITH I-95 N, TAKE EXIT 64 FOR CT-14 TURN LEFT ONTO CT-145 N.

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:	MORRISON HERSHFIELD
DATED:	8/17/21
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	8/27/21
RFDS REVISION:	N/A
DATED:	7/23/21
ORDER ID:	583430
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:
- RELOCATE (3) ANTENNAS
- REMOVE (9) ANTENNAS
- REMOVE (6) RADIOS
- INSTALL (3) ANTENNAS
- INSTALL (6) RADIOS
- INSTALL (3) DUAL MOUNT BRACKET

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
469675

BU #: **857011**
WESTBROOK NORTH HORSE HILL ROAD

1102 HORSE HILL ROAD
WESTBROOK, CT 06498

EXISTING 159'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/15/21	RPA	CONSTRUCTION	JTS

STATE OF CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
10/15/21

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

SHEET NUMBER: T-1

REVISION: 0

157302.001.01_WESTBROOK NORTH HORSE HILL ROAD.dwg – Sheet:T-1 – User: jsikes – Oct 15, 2021 – 12:12pm

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

GREENFIELD GROUNDING NOTES:

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

ELECTRICAL INSTALLATION NOTES:

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

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

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
469675

BU #: **857011**
WESTBROOK NORTH HORSE HILL ROAD

1102 HORSE HILL ROAD
WESTBROOK, CT 06498

EXISTING 159'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/15/21	RPA	CONSTRUCTION	JTS

STATE OF CONNECTICUT
CHAD TUTTLE
No. 23924
LICENSED PROFESSIONAL ENGINEER
10/15/21

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

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

SHEET NUMBER:	REVISION:
T-2	0

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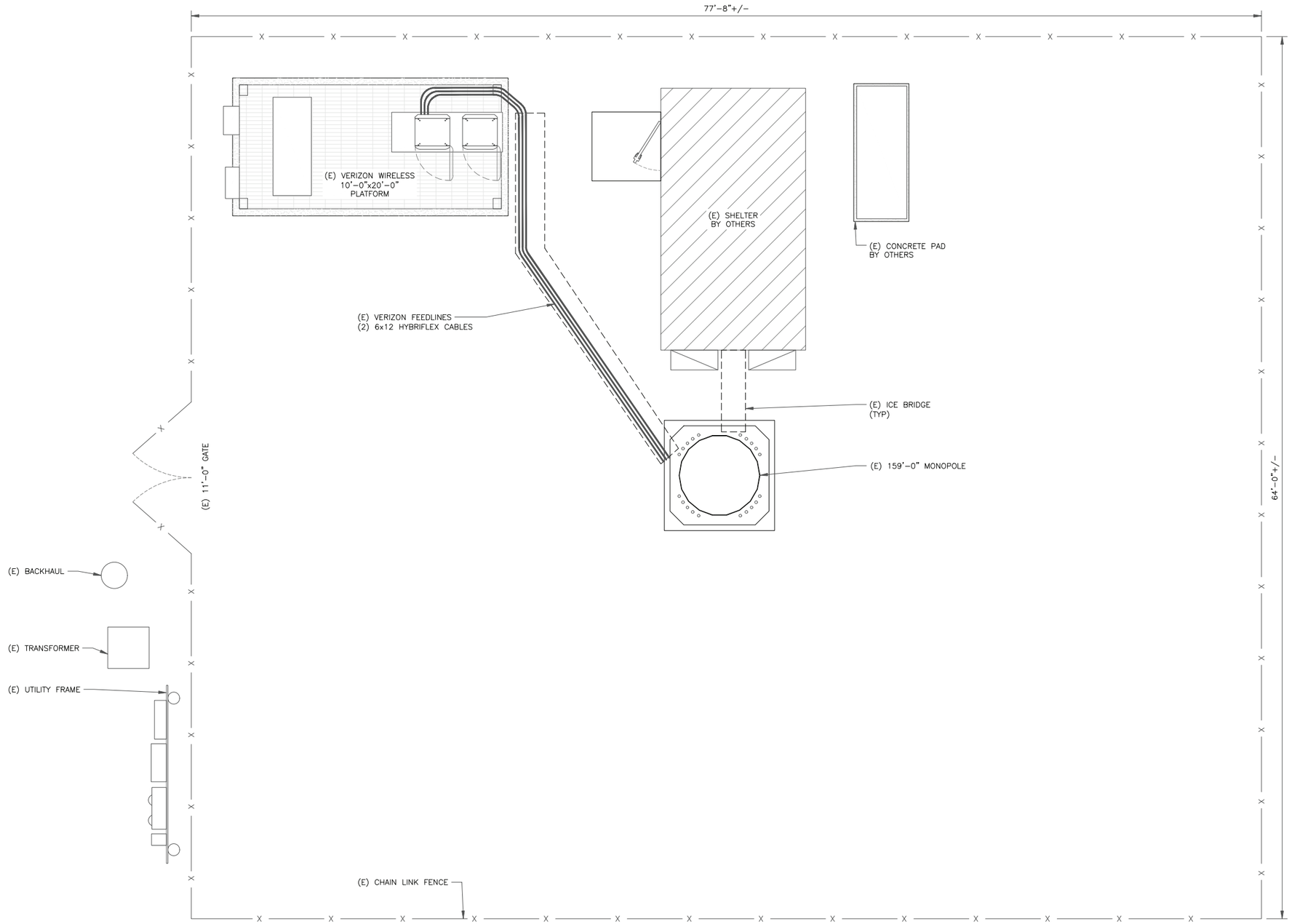

1 SITE PLAN
SCALE: 4' 3' 2' 1' 0 4'
1/4"=1'-0" (FULL SIZE)
1/8"=1'-0" (11x17)

N

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No. 23824
LICENSED
PROFESSIONAL ENGINEER
10/15/21

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

SHEET NUMBER: C-1
REVISION: 0

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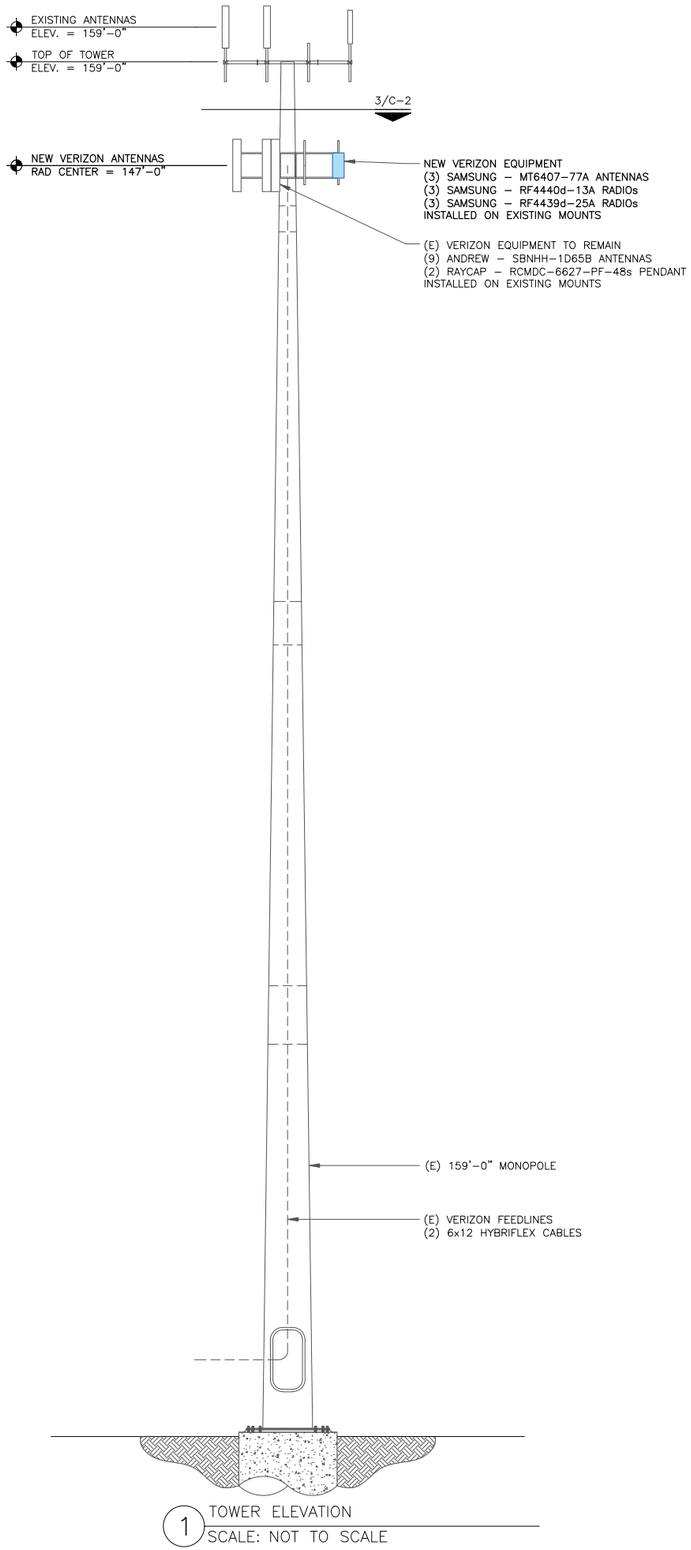
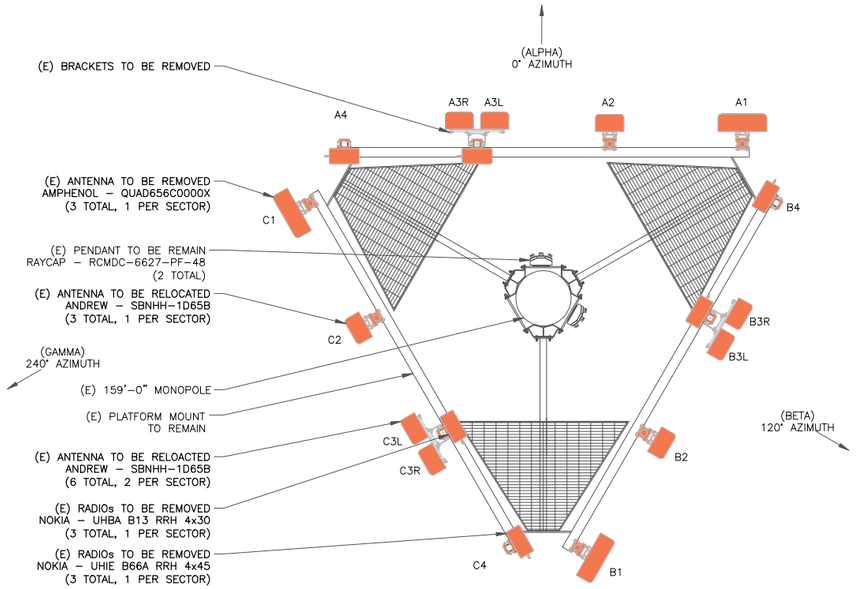


VERIZON EQUIPMENT

ANTENNA CL: 147'-0"
MOUNT CL: 147'-0"

1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
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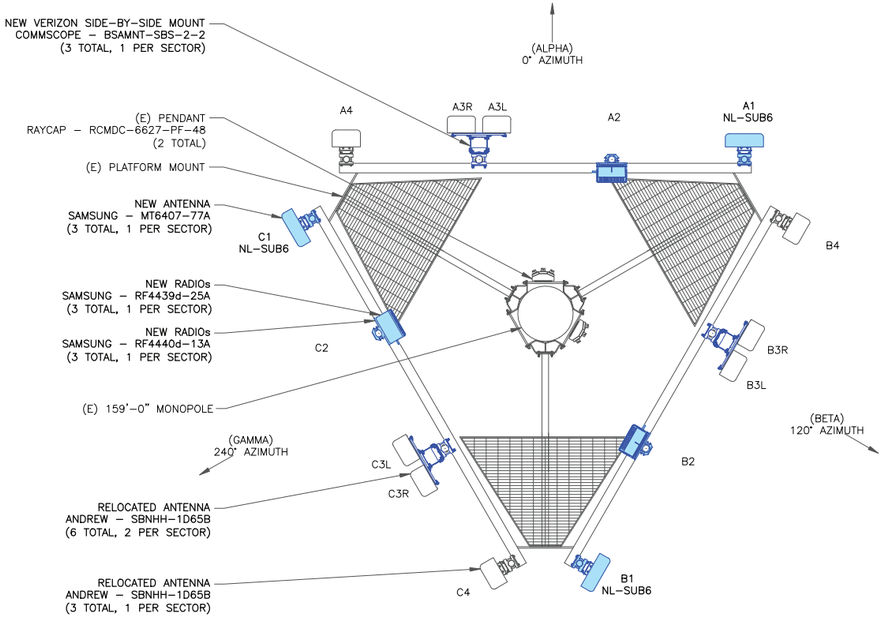

3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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EXISTING 159'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/15/21	RPA	CONSTRUCTION	JTS

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

SHEET NUMBER: C-2

REVISION: 0

157302.001.01_WESTBROOK NORTH HORSE HILL ROAD.dwg - Sheet:C-2 - User: jsikes - Oct 15, 2021 - 12:12pm

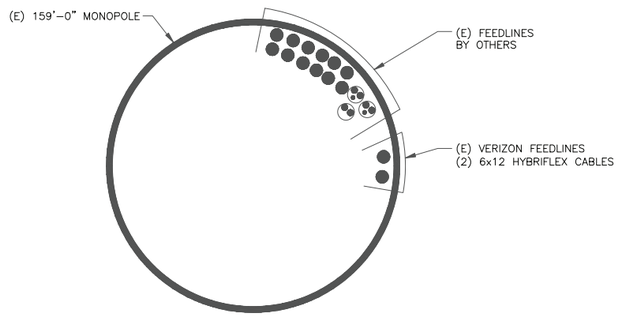
ANTENNA/RRH SCHEDULE

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	147'-0"	0°	0°	6°	–	–
A2	–	EMPTY MOUNT PIPE	–	–	–	–	–	–	–
A3L	EXISTING	ANDREW	SBNHH-1D65B	147'-0"	0°	0°	2° / 2° / 2° / 0° / 0°	SAMSUNG	(1) RF4440d-13A
A3R	EXISTING	ANDREW	SBNHH-1D65B	147'-0"	0°	0°	2° / 2° / 2° / 0° / 0°	SAMSUNG	(1) RF4439d-25A
A4	EXISTING	ANDREW	SBNHH-1D65B	147'-0"	0°	0°	2° / 2° / 2° / 0° / 0°	RAYCAP	(1) RCMDC-6627-PF-48
B1	NEW	SAMSUNG	MT6407-77A	147'-0"	120°	0°	6°	–	–
B2	–	EMPTY MOUNT PIPE	–	–	–	–	–	–	–
B3L	EXISTING	ANDREW	SBNHH-1D65B	147'-0"	120°	0°	4° / 4° / 4° / 0° / 0°	SAMSUNG	(1) RF4440d-13A
B3R	EXISTING	ANDREW	SBNHH-1D65B	147'-0"	120°	0°	4° / 4° / 4° / 0° / 0°	SAMSUNG	(1) RF4439d-25A
B4	EXISTING	ANDREW	SBNHH-1D65B	147'-0"	120°	0°	4° / 4° / 4° / 0° / 0°	RAYCAP	(1) RCMDC-6627-PF-48
C1	NEW	SAMSUNG	MT6407-77A	147'-0"	240°	0°	6°	–	–
C2	–	EMPTY MOUNT PIPE	–	–	–	–	–	–	–
C3L	EXISTING	ANDREW	SBNHH-1D65B	147'-0"	240°	0°	2° / 2° / 2° / 0° / 0°	SAMSUNG	(1) RF4440d-13A
C3R	EXISTING	ANDREW	SBNHH-1D65B	147'-0"	240°	0°	2° / 2° / 2° / 0° / 0°	SAMSUNG	(1) RF4439d-25A
C4	EXISTING	ANDREW	SBNHH-1D65B	147'-0"	240°	0°	2° / 2° / 2° / 0° / 0°	–	–

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	HYBRID	6x12	197'-0"±	2
TOTAL CABLE QTY:				2



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

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

VERIZON SITE NUMBER:
469675

BU #: **857011**
WESTBROOK NORTH HORSE HILL ROAD

1102 HORSE HILL ROAD
WESTBROOK, CT 06498

EXISTING 159'-0" MONOPOLE

ISSUED FOR:

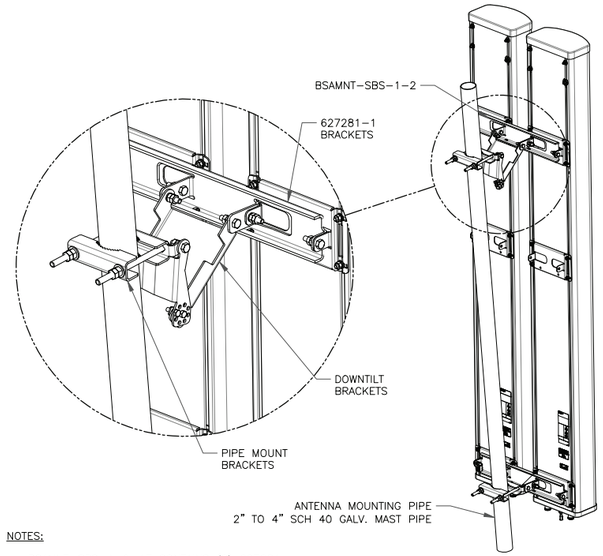
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/15/21	RPA	CONSTRUCTION	JTS

STATE OF CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
10/15/21

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

SHEET NUMBER: C-3

REVISION: 0

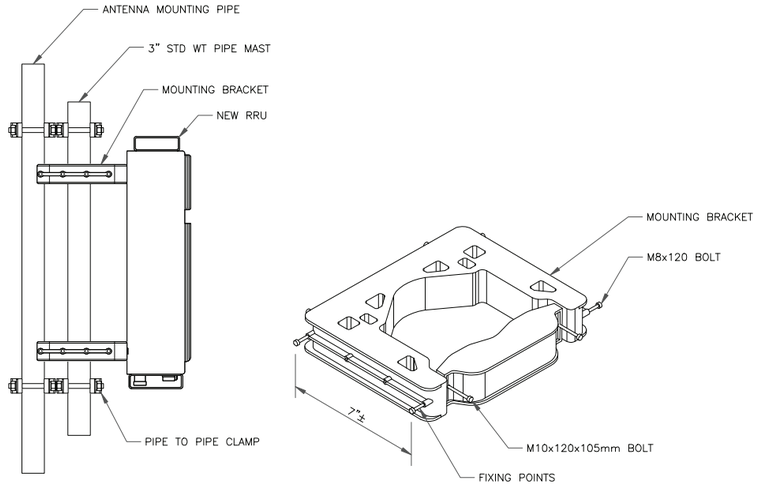


NOTES:

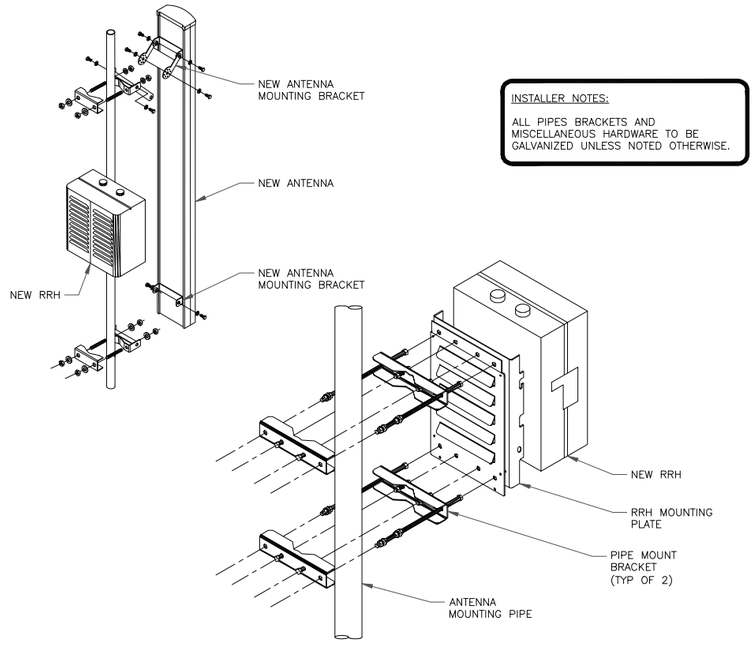
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

2 NOT USED
SCALE: NOT TO SCALE



3 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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WESTBROOK NORTH
HORSE HILL ROAD

1102 HORSE HILL ROAD
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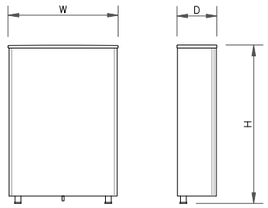
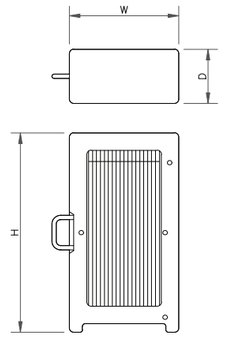
SHEET NUMBER: C-4

REVISION: 0



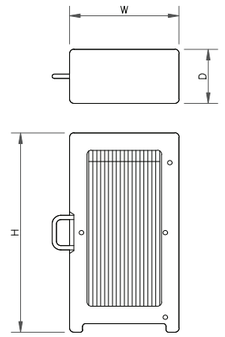
ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	MT6407-77A
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.06"
WEIGHT	81.57 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RF4439D-25A
WIDTH	14.96"
DEPTH	10.04"
HEIGHT	14.96"
WEIGHT	74.7 LBS

2 RRU SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RF4440D-13A
WIDTH	14.96"
DEPTH	9.06"
HEIGHT	14.96"
WEIGHT	72.5 LBS

3 RRU SPECS
SCALE: NOT TO SCALE

4 NOT USED
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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HORSE HILL ROAD

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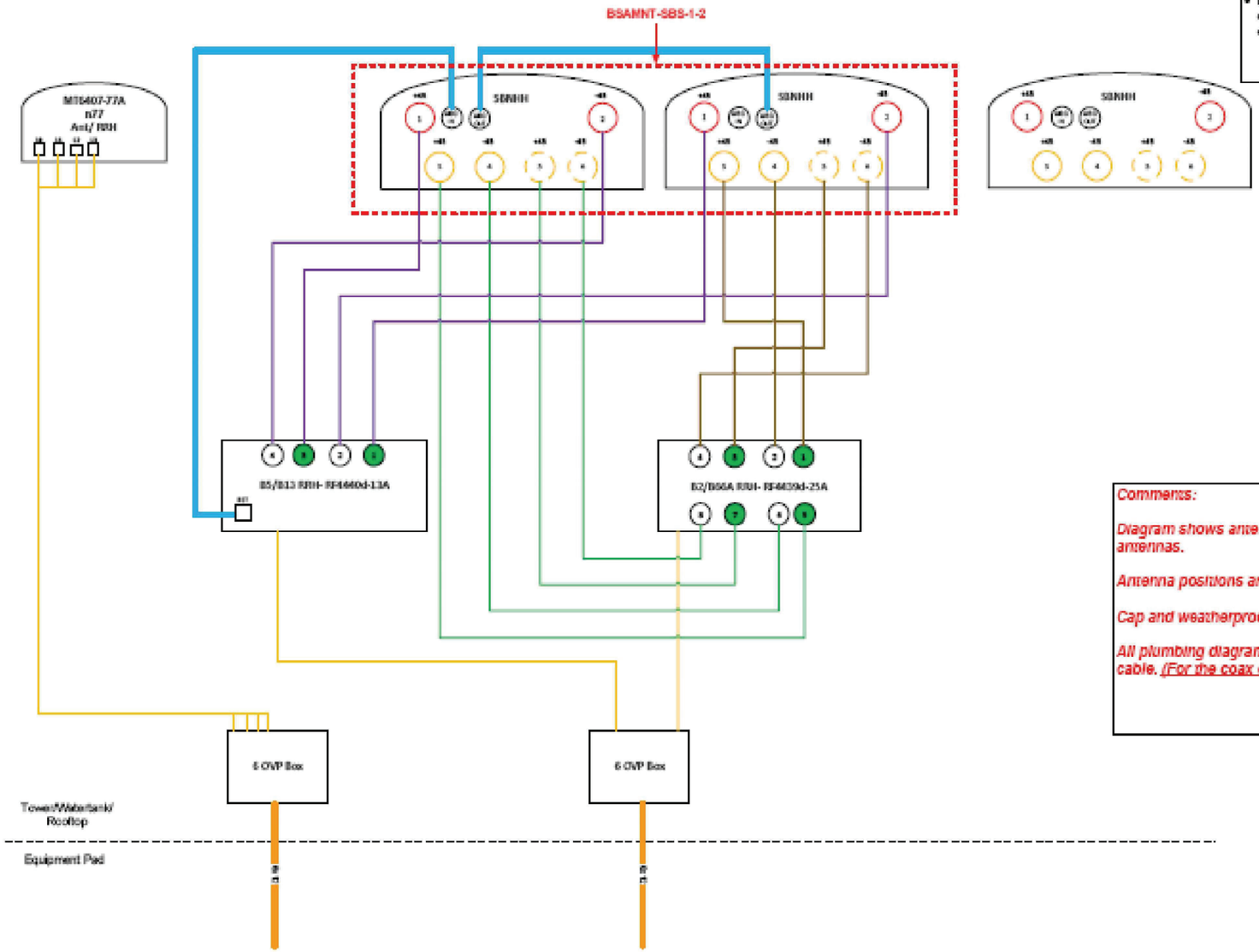
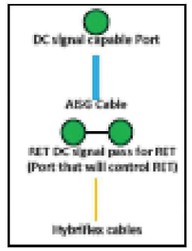
Expires 2/10/22

SHEET NUMBER: C-5
REVISION: 0



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

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



Comments:

Diagram shows antenna port configuration as viewed from below antennas.

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

Cap and weatherproof unused antenna ports.

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

1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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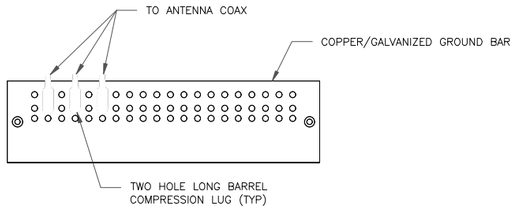
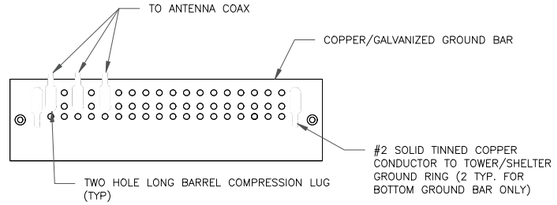
SHEET NUMBER: C-6
REVISION: 0



NOTES:

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

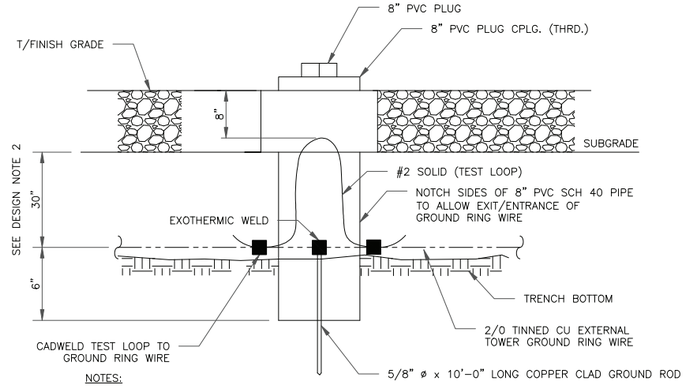
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

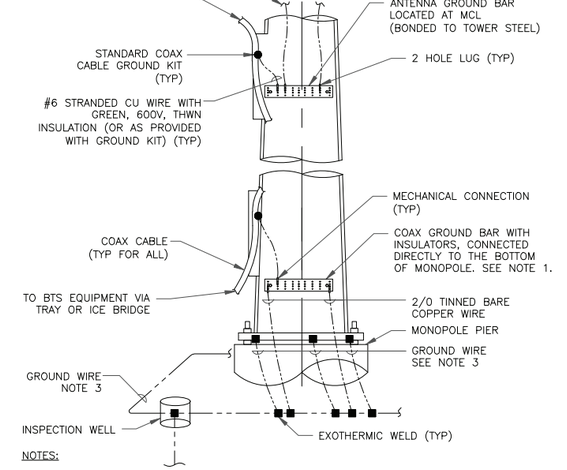
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

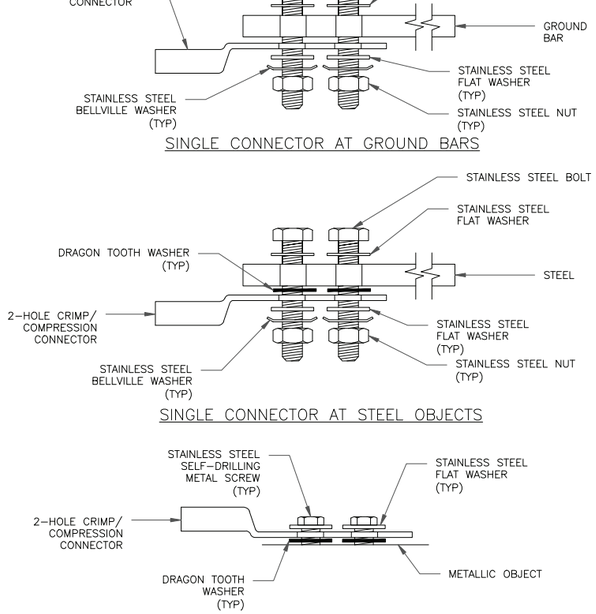
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



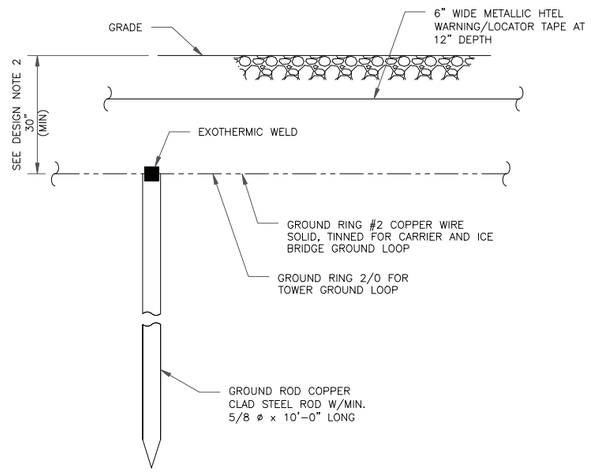
NOTES:

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

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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BU #: **857011**
WESTBROOK NORTH HORSE HILL ROAD

1102 HORSE HILL ROAD
WESTBROOK, CT 06498

EXISTING 159'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/15/21	RPA	CONSTRUCTION	JTS

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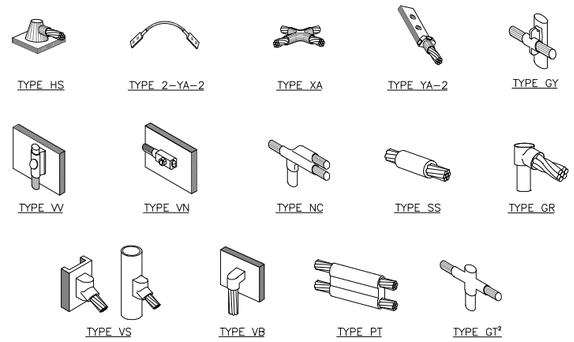
SHEET NUMBER: G-1
REVISION: 0

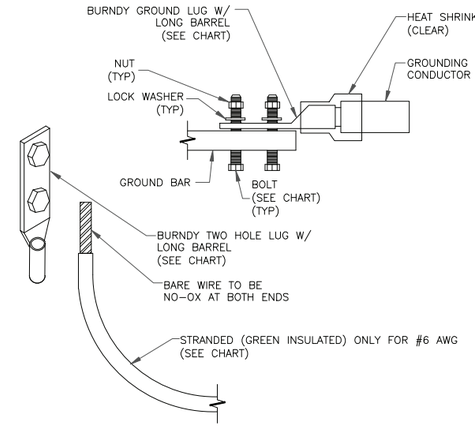


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

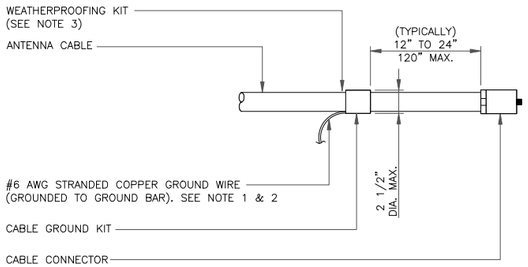
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

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

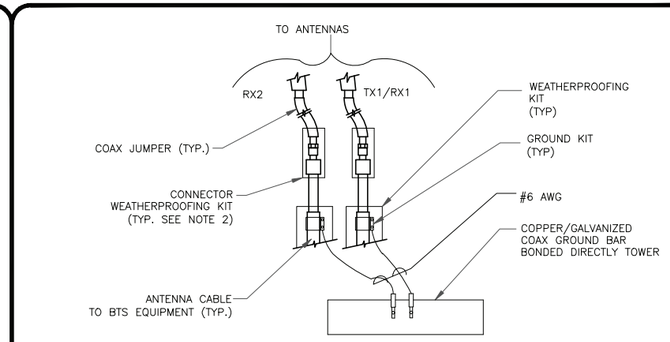
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE

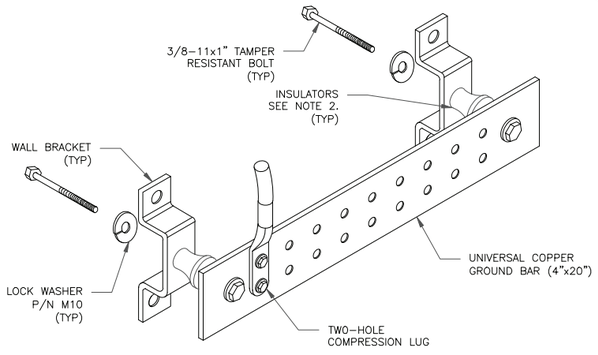


NOTES:

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

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE

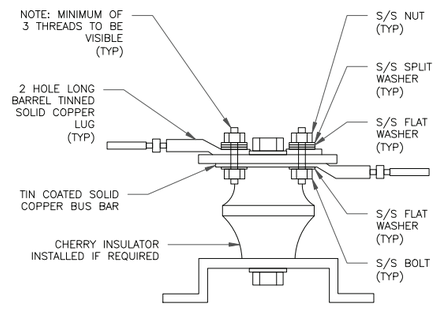
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



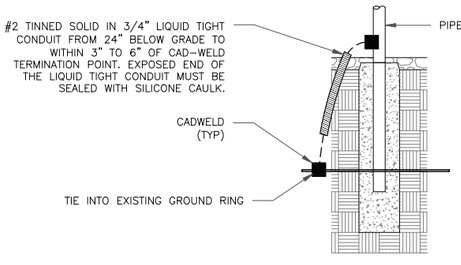
NOTES:

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

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
469675

BU #: **857011**
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WESTBROOK, CT 06498

EXISTING 159'-0" MONOPOLE

ISSUED FOR:

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0	10/15/21	RPA	CONSTRUCTION	JTS

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

SHEET NUMBER: G-2
REVISION: 0

Exhibit D

Structural Analysis Report

Date: **August 17, 2021**

MORRISON HERSHFIELD

Morrison Hershfield
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
(770) 379-8500

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	469675
	Site Name:	Westbrook North CT - Crown-Horse Hill
Crown Castle Designation:	**BU Number:**	857011
	Site Name:	Westbrook North Horse Hill ROA
	JDE Job Number:	683756
	Work Order Number:	2009994
	Order Number:	583430 Rev. 0
Engineering Firm Designation:	**Morrison Hershfield Project Number:** CN9-371 / 2101398	
Site Data:	**1102 Horse Hill Road, Westbrook, Middlesex County, CT 06498**	
	Latitude *41° 19' 25.71"*, Longitude *-72° 29' 28.1"*	
	159.08 Foot - Monopole Tower	

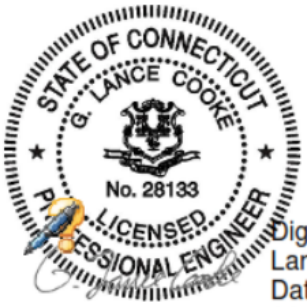
Morrison Hershfield is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

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 – 59.7%**

This analysis has been performed in accordance with the 2018 Connecticut Building Code based upon an ultimate 3-second gust wind speed of 135 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Respectfully submitted by:



Digitally signed by G. Lance Cooke
Date: 2021.08.17 11:46:57-07'00'

G. Lance Cooke, P.E. (CT License No. PEN.0028133)
Senior Engineer

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 159.08 ft Monopole tower mapped by Elevated Services.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	135 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1.5 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)
147.0	147.0	3	commscope	SBNHH-1D65B w/ Mount Pipe	2	1-5/8
		6	commscope	SBNHH-1D65B w/ Mount Pipe		
		3	samsung	MT6407-77A w/ Mount Pipe		
		3	samsung	RF4439D-25A		
		3	samsung	RF4440D-13A		
		1	raycap	RCMDC-6627-PF-48		
		1	raycap	RRFDC-3315-PF-48		
		3	commscope	Side-By-Side Mounting Kit [#BSAMNT-SBS-1-2]		
		1	-	Platform Mount [LP 303-1_KCKR-HR-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
159.0	163.0	3	kathrein	80010965 w/ Mount Pipe	12 2 4 2 3	1-5/8 7/8 3/4 3/8 2-1/2C
		3	kathrein	80010991 w/ Mount Pipe		
		3	powerwave	7770.00 w/ Mount Pipe		
		3	ericsson	RRUS 4415 B25		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 8843 B2/B66A		
		6	powerwave	LGP21402		
		3	raycap	DC6-48-60-18-8C-EV		
	159.0	1	-	Platform Mount [LP 714-1]		
135.0	135.0	3	jma wireless	MX08FRO665-20 w/ Mount Pipe	1	1-1/2
		3	fujitsu	TA08025-B604		
		3	fujitsu	TA08025-B605		
		1	raycap	RDIDC-9181-PF-48		
		1	-	Commscope MC-PK8-DSH		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	4306672	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	4723512	CCISITES
4-TOWER MANUFACTURER DRAWINGS	5177796	CCISITES

3.1) Analysis Method

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

3.2) Assumptions

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

This analysis may be affected if any assumptions are not valid or have been made in error. Morrison Hershfield 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	159.08 - 139.33	Pole	TP24.1x18.43x0.1875	1	-8.56	842.55	41.1	Pass
L2	139.33 - 91.24	Pole	TP40.49x22.8609x0.3125	2	-19.27	2341.50	51.3	Pass
L3	91.24 - 44.66	Pole	TP54.61x38.1193x0.375	3	-31.79	3805.71	49.1	Pass
L4	44.66 - 0	Pole	TP69.47x51.6789x0.375	4	-50.91	4980.67	54.4	Pass
							Summary	
						Pole (L4)	54.4	Pass
						Rating =	54.4	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	43.9	Pass
1	Base Plate		39.7	Pass
1	Base Foundation (Structure)	0	59.7	Pass
1	Base Foundation (Soil Interaction)		39.8	Pass

Structure Rating (max from all components) =	59.7%*

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.

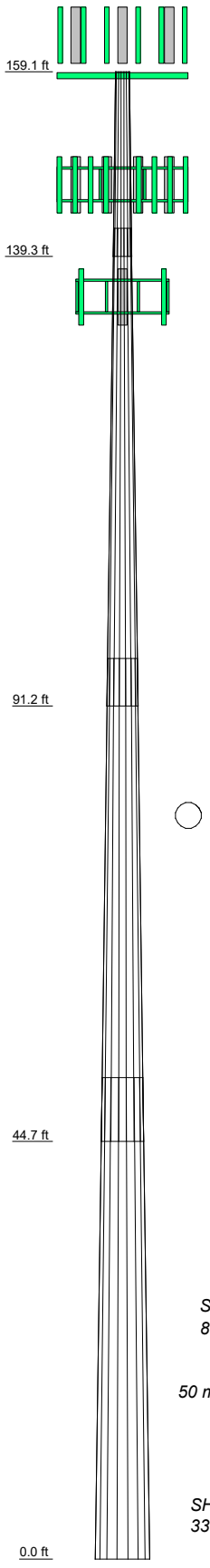
4.1) Recommendations

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

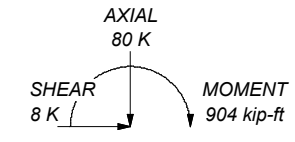
APPENDIX A

TNXTOWER OUTPUT

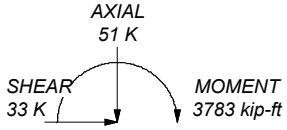
Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	19.75	18	0.1875	3.01	18.4300	24.1000	A572-65	0.8
2	51.10	18	0.3125	5.06	22.8609	40.4900		5.4
3	51.64	18	0.3750	6.83	38.1193	54.6100		9.6
4	51.49	18	0.3750		51.6789	69.4700		12.6



ALL REACTIONS ARE FACTORED



TORQUE 0 kip-ft
50 mph WIND - 1.5000 in ICE



TORQUE 2 kip-ft
REACTIONS - 135 mph WIND

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Middlesex County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 135 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 54.4%

Morrison Hershfield
Consulting Engineers
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
Phone: (770) 379-8500
FAX: (770) 379-8501

Job: CN9-371 / 2101398			
Project: 857011 / Westbrook North Horse Hill ROA			
Client: Crown Castle USA	Drawn by: CKK	App'd:	
Code: TIA-222-H	Date: 08/17/21	Scale: NTS	
Path: C:\Users\Ckatar\Desktop\CN9-371 - 857011 - WESTBROOK NORTH HORSE HILL ROA\CN9-371 SA\Analysis\CN9-371 BU_857011 WO_2009994.eri		Dwg No. E-1	

Tower Input Data

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

- Tower is located in Middlesex County, Connecticut.
- Tower base elevation above sea level: 236.00 ft.
- Basic wind speed of 135 mph.
- Risk Category II.
- Exposure Category B.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.5000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	159.08-139.33	19.75	3.01	18	18.4300	24.1000	0.1875	0.7500	A572-65 (65 ksi)
L2	139.33-91.24	51.10	5.06	18	22.8609	40.4900	0.3125	1.2500	A572-65 (65 ksi)
L3	91.24-44.66	51.64	6.83	18	38.1193	54.6100	0.3750	1.5000	A572-65 (65 ksi)
L4	44.66-0.00	51.49		18	51.6789	69.4700	0.3750	1.5000	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	18.6854	10.8566	456.4558	6.4761	9.3624	48.7539	913.5122	5.4293	2.9137	15.54
	24.4429	14.2309	1028.0650	8.4889	12.2428	83.9730	2057.4828	7.1168	3.9116	20.862
L2	24.2198	22.3652	1436.6119	8.0047	11.6133	123.7038	2875.1142	11.1847	3.4735	11.115
	41.0664	39.8511	8127.2407	14.2630	20.5689	395.1224	16265.1755	19.9293	6.5762	21.044
L3	40.2903	44.9252	8085.9492	13.3992	19.3646	417.5630	16182.5381	22.4669	6.0490	16.131
	55.3946	64.5532	23989.1342	19.2534	27.7419	864.7263	48009.8339	32.2827	8.9514	23.87
L4	54.8146	61.0645	20306.1299	18.2129	26.2529	773.4817	40638.9791	30.5380	8.4355	22.495
	70.4838	82.2403	49603.8635	24.5287	35.2908	1405.5765	99272.9971	41.1280	11.5667	30.845

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 159.08-139.33				1	1	1			
L2 139.33-91.24				1	1	1			
L3 91.24-44.66				1	1	1			
L4 44.66-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
***									
LDF7-50A(1-5/8)	A	No	No	Inside Pole	159.00 - 0.00	12	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
FB-L98B-034-XXX(3/8)	A	No	No	Inside Pole	159.00 - 0.00	2	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
							2" Ice	0.00	0.06
WR-VG86ST-BRD(3/4)	A	No	No	Inside Pole	159.00 - 0.00	4	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
							2" Ice	0.00	0.58
WR-VG86ST-BRDA(7/8)	A	No	No	Inside Pole	159.00 - 0.00	2	No Ice	0.00	0.68
							1/2" Ice	0.00	0.68
							1" Ice	0.00	0.68
							2" Ice	0.00	0.68
2-1/2" Rigid Conduit	A	No	No	Inside Pole	159.00 - 0.00	3	No Ice	0.00	3.00
							1/2" Ice	0.00	3.00

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
							1" Ice	0.00	3.00
							2" Ice	0.00	3.00
***									
HB158-1-08U8-S8J18(1-5/8)	B	No	No	Inside Pole	147.00 - 0.00	2	No Ice	0.00	1.30
							1/2" Ice	0.00	1.30
							1" Ice	0.00	1.30
							2" Ice	0.00	1.30
****									
CU12PSM9P6XXX (1-1/2)	C	No	No	Inside Pole	135.00 - 0.00	1	No Ice	0.00	2.35
							1/2" Ice	0.00	2.35
							1" Ice	0.00	2.35
							2" Ice	0.00	2.35
***									

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	159.08-139.33	A	0.000	0.000	0.000	0.000	0.45
		B	0.000	0.000	0.000	0.000	0.02
		C	0.000	0.000	0.000	0.000	0.00
L2	139.33-91.24	A	0.000	0.000	0.000	0.000	1.09
		B	0.000	0.000	0.000	0.000	0.13
		C	0.000	0.000	0.000	0.000	0.10
L3	91.24-44.66	A	0.000	0.000	0.000	0.000	1.06
		B	0.000	0.000	0.000	0.000	0.12
		C	0.000	0.000	0.000	0.000	0.11
L4	44.66-0.00	A	0.000	0.000	0.000	0.000	1.01
		B	0.000	0.000	0.000	0.000	0.12
		C	0.000	0.000	0.000	0.000	0.10

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	159.08-139.33	A	1.482	0.000	0.000	0.000	0.000	0.45
		B		0.000	0.000	0.000	0.000	0.02
		C		0.000	0.000	0.000	0.000	0.00
L2	139.33-91.24	A	1.443	0.000	0.000	0.000	0.000	1.09
		B		0.000	0.000	0.000	0.000	0.13
		C		0.000	0.000	0.000	0.000	0.10
L3	91.24-44.66	A	1.369	0.000	0.000	0.000	0.000	1.06
		B		0.000	0.000	0.000	0.000	0.12
		C		0.000	0.000	0.000	0.000	0.11
L4	44.66-0.00	A	1.222	0.000	0.000	0.000	0.000	1.01
		B		0.000	0.000	0.000	0.000	0.12
		C		0.000	0.000	0.000	0.000	0.10

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	159.08-139.33	0.0000	0.0000	0.0000	0.0000
L2	139.33-91.24	0.0000	0.0000	0.0000	0.0000
L3	91.24-44.66	0.0000	0.0000	0.0000	0.0000
L4	44.66-0.00	0.0000	0.0000	0.0000	0.0000

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

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
***									
7770.00 w/ Mount Pipe	A	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	B	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	C	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
80010991 w/ Mount Pipe	A	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.26 13.03 13.80 15.41	5.79 6.47 7.17 8.60	0.14 0.23 0.33 0.57
80010991 w/ Mount Pipe	B	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.26 13.03 13.80 15.41	5.79 6.47 7.17 8.60	0.14 0.23 0.33 0.57
80010991 w/ Mount Pipe	C	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.26 13.03 13.80 15.41	5.79 6.47 7.17 8.60	0.14 0.23 0.33 0.57
80010965 w/ Mount Pipe	A	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.26 13.03 13.80 15.41	5.79 6.47 7.17 8.60	0.14 0.23 0.33 0.57
80010965 w/ Mount Pipe	B	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.26 13.03 13.80 15.41	5.79 6.47 7.17 8.60	0.14 0.23 0.33 0.57
80010965 w/ Mount Pipe	C	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.26 13.03 13.80 15.41	5.79 6.47 7.17 8.60	0.14 0.23 0.33 0.57
(2) LGP21402	A	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.05 1.18 1.32 1.62	0.23 0.30 0.37 0.55	0.01 0.02 0.03 0.05
(2) LGP21402	B	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.05 1.18 1.32 1.62	0.23 0.30 0.37 0.55	0.01 0.02 0.03 0.05
(2) LGP21402	C	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.05 1.18 1.32 1.62	0.23 0.30 0.37 0.55	0.01 0.02 0.03 0.05
RRUS 4415 B25	A	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	0.68 0.79 0.91 1.18	0.04 0.06 0.07 0.11
RRUS 4415 B25	B	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	0.68 0.79 0.91 1.18	0.04 0.06 0.07 0.11
RRUS 4415 B25	C	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	0.68 0.79 0.91 1.18	0.04 0.06 0.07 0.11

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
RRUS 4449 B5/B12	A	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.14 2.33 2.72	1.41 1.56 1.73 2.07	0.07 0.09 0.11 0.16
RRUS 4449 B5/B12	B	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.14 2.33 2.72	1.41 1.56 1.73 2.07	0.07 0.09 0.11 0.16
RRUS 4449 B5/B12	C	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.14 2.33 2.72	1.41 1.56 1.73 2.07	0.07 0.09 0.11 0.16
RRUS 8843 B2/B66A	A	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.32	1.35 1.50 1.65 1.99	0.07 0.09 0.11 0.16
RRUS 8843 B2/B66A	B	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.32	1.35 1.50 1.65 1.99	0.07 0.09 0.11 0.16
RRUS 8843 B2/B66A	C	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.32	1.35 1.50 1.65 1.99	0.07 0.09 0.11 0.16
DC6-48-60-18-8C-EV	A	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.74 2.96 3.20 3.68	2.74 2.96 3.20 3.68	0.03 0.05 0.08 0.15
DC6-48-60-18-8C-EV	A	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.74 2.96 3.20 3.68	2.74 2.96 3.20 3.68	0.03 0.05 0.08 0.15
DC6-48-60-18-8C-EV	B	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.74 2.96 3.20 3.68	2.74 2.96 3.20 3.68	0.03 0.05 0.08 0.15
6' x 2" Mount Pipe	A	From Leg	1.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
6' x 2" Mount Pipe	B	From Leg	1.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
6' x 2" Mount Pipe	C	From Leg	1.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
6' x 2" Mount Pipe	A	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
6' x 2" Mount Pipe	B	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
6' x 2" Mount Pipe	C	From Leg	4.00 0.00 4.00	0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
Platform Mount [LP 714-1]	A	None		0.0000	159.00	No Ice 1/2" Ice 1" Ice 2" Ice	37.51 41.70 45.89 54.29	37.51 41.70 45.89 54.29	1.60 2.50 3.46 5.58

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(3) SBNHH-1D65B w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
(3) SBNHH-1D65B w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
(3) SBNHH-1D65B w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.49 4.89 5.72	3.30 3.68 4.07 4.87	0.07 0.13 0.20 0.39
RCMDC-6627-PF-48	B	From Leg	2.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.06 4.32 4.58 5.14	3.10 3.34 3.58 4.09	0.03 0.07 0.11 0.20
Side-By-Side Mounting Kit [#BSAMNT-SBS-1-2]	A	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
Side-By-Side Mounting Kit [#BSAMNT-SBS-1-2]	B	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
Side-By-Side Mounting Kit [#BSAMNT-SBS-1-2]	C	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
8' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
8' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
8' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
6' x 2" Mount Pipe	B	From Leg	2.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
Platform Mount [LP 303-1_KCKR-HR-1] *	A	None		0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	28.31 35.69 43.11 58.21	28.31 35.69 43.11 58.21	1.77 2.30 2.94 4.60
MT6407-77A w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
MT6407-77A w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
MT6407-77A w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
RF4439D-25A	A	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.25 1.39 1.54 1.87	0.07 0.09 0.11 0.17

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
RF4439D-25A	B	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.25 1.39 1.54 1.87	0.07 0.09 0.11 0.17
RF4439D-25A	C	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.25 1.39 1.54 1.87	0.07 0.09 0.11 0.17
RF4440D-13A	A	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.13 1.27 1.41 1.72	0.07 0.09 0.11 0.16
RF4440D-13A	B	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.13 1.27 1.41 1.72	0.07 0.09 0.11 0.16
RF4440D-13A	C	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.13 1.27 1.41 1.72	0.07 0.09 0.11 0.16
RRFDC-3315-PF-48	A	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.79 4.04 4.30 4.84	2.51 2.73 2.95 3.42	0.03 0.06 0.10 0.18
Tower Reinforcement Specifications	A	None		0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	28.63 37.31 45.80 62.38	28.63 37.31 45.80 62.38	0.28 0.67 0.94 1.63
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MX08FRO665-20 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	135.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.01 8.52 9.04 10.11	4.23 4.69 5.16 6.12	0.10 0.18 0.28 0.51
MX08FRO665-20 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	135.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.01 8.52 9.04 10.11	4.23 4.69 5.16 6.12	0.10 0.18 0.28 0.51
MX08FRO665-20 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	135.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.01 8.52 9.04 10.11	4.23 4.69 5.16 6.12	0.10 0.18 0.28 0.51
TA08025-B604	A	From Leg	4.00 0.00 0.00	0.0000	135.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15
TA08025-B604	B	From Leg	4.00 0.00 0.00	0.0000	135.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15
TA08025-B604	C	From Leg	4.00 0.00 0.00	0.0000	135.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15
TA08025-B605	A	From Leg	4.00 0.00 0.00	0.0000	135.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
TA08025-B605	B	From Leg	4.00 0.00 0.00	0.0000	135.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
TA08025-B605	C	From Leg	4.00 0.00 0.00	0.0000	135.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
RDIDC-9181-PF-48	A	From Leg	4.00 0.00 0.00	0.0000	135.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.01 2.19 2.37 2.76	1.17 1.31 1.46 1.78	0.02 0.04 0.06 0.11
(2) 8' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	135.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
(2) 8' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	135.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
(2) 8' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	135.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
Commscope MC-PK8-DSH	A	None		0.0000	135.00	No Ice 1/2" Ice 1" Ice 2" Ice	34.24 62.95 91.66 149.08	34.24 62.95 91.66 149.08	1.75 2.10 2.45 3.15
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Load Combinations

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

Comb. No.	Description
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	159.08 - 139.33	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-23.43	-1.13	1.30
			Max. Mx	8	-8.56	-187.03	0.20
			Max. My	2	-8.56	-0.15	187.25
			Max. Vy	8	14.89	-187.03	0.20
			Max. Vx	2	-14.92	-0.15	187.25
			Max. Torque	10			1.62
L2	139.33 - 91.24	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.55	-1.18	1.82
			Max. Mx	8	-19.27	-1097.64	-0.43
			Max. My	2	-19.27	0.60	1100.87
			Max. Vy	8	22.49	-1097.64	-0.43
			Max. Vx	2	-22.56	0.60	1100.87
			Max. Torque	10			1.82
L3	91.24 - 44.66	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55.59	-1.18	1.82
			Max. Mx	8	-31.79	-2214.92	-1.19
			Max. My	2	-31.79	1.36	2221.21
			Max. Vy	8	27.42	-2214.92	-1.19
			Max. Vx	2	-27.49	1.36	2221.21
			Max. Torque	10			1.81
L4	44.66 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-79.58	-1.18	1.82
			Max. Mx	8	-50.91	-3773.12	-2.07
			Max. My	2	-50.91	2.24	3782.85
			Max. Vy	8	33.15	-3773.12	-2.07
			Max. Vx	2	-33.21	2.24	3782.85
			Max. Torque	10			1.81

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	27	79.58	0.00	7.79
	Max. H_x	20	50.92	33.12	0.02
	Max. H_z	2	50.92	0.02	33.19
	Max. M_x	2	3782.85	0.02	33.19
	Max. M_z	8	3773.12	-33.12	-0.02
	Max. Torsion	10	1.81	-28.70	-16.61

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
	Min. Vert	7	38.19	-28.68	16.58
	Min. H_x	8	50.92	-33.12	-0.02
	Min. H_z	14	50.92	-0.02	-33.19
	Min. M_x	14	-3781.85	-0.02	-33.19
	Min. M_z	20	-3772.48	33.12	0.02
	Min. Torsion	22	-1.80	28.70	16.61

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	42.43	0.00	0.00	-0.39	-0.25	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	50.92	-0.02	-33.19	-3782.85	2.24	1.04
0.9 Dead+1.0 Wind 0 deg - No Ice	38.19	-0.02	-33.19	-3752.75	2.30	1.04
1.2 Dead+1.0 Wind 30 deg - No Ice	50.92	16.55	-28.74	-3274.84	-1884.50	0.16
0.9 Dead+1.0 Wind 30 deg - No Ice	38.19	16.55	-28.74	-3248.77	-1869.49	0.16
1.2 Dead+1.0 Wind 60 deg - No Ice	50.92	28.68	-16.58	-1889.47	-3266.39	-0.76
0.9 Dead+1.0 Wind 60 deg - No Ice	38.19	28.68	-16.58	-1874.37	-3240.43	-0.76
1.2 Dead+1.0 Wind 90 deg - No Ice	50.92	33.12	0.02	2.07	-3773.12	-1.48
0.9 Dead+1.0 Wind 90 deg - No Ice	38.19	33.12	0.02	2.17	-3743.15	-1.48
1.2 Dead+1.0 Wind 120 deg - No Ice	50.92	28.70	16.61	1892.91	-3268.93	-1.81
0.9 Dead+1.0 Wind 120 deg - No Ice	38.19	28.70	16.61	1878.03	-3242.95	-1.81
1.2 Dead+1.0 Wind 150 deg - No Ice	50.92	16.58	28.75	3276.40	-1888.92	-1.65
0.9 Dead+1.0 Wind 150 deg - No Ice	38.19	16.58	28.75	3250.57	-1873.87	-1.64
1.2 Dead+1.0 Wind 180 deg - No Ice	50.92	0.02	33.19	3781.85	-2.87	-1.04
0.9 Dead+1.0 Wind 180 deg - No Ice	38.19	0.02	33.19	3752.02	-2.77	-1.04
1.2 Dead+1.0 Wind 210 deg - No Ice	50.92	-16.55	28.74	3273.85	1883.87	-0.16
0.9 Dead+1.0 Wind 210 deg - No Ice	38.19	-16.55	28.74	3248.04	1869.02	-0.16
1.2 Dead+1.0 Wind 240 deg - No Ice	50.92	-28.68	16.58	1888.48	3265.75	0.76
0.9 Dead+1.0 Wind 240 deg - No Ice	38.19	-28.68	16.58	1873.64	3239.96	0.76
1.2 Dead+1.0 Wind 270 deg - No Ice	50.92	-33.12	-0.02	-3.05	3772.48	1.48
0.9 Dead+1.0 Wind 270 deg - No Ice	38.19	-33.12	-0.02	-2.90	3742.68	1.48
1.2 Dead+1.0 Wind 300 deg - No Ice	50.92	-28.70	-16.61	-1893.89	3268.30	1.80
0.9 Dead+1.0 Wind 300 deg - No Ice	38.19	-28.70	-16.61	-1878.75	3242.49	1.80
1.2 Dead+1.0 Wind 330 deg - No Ice	50.92	-16.58	-28.75	-3277.39	1888.30	1.64
0.9 Dead+1.0 Wind 330 deg - No Ice	38.19	-16.58	-28.75	-3251.29	1873.42	1.64
1.2 Dead+1.0 Ice+1.0 Temp	79.58	0.00	-0.00	-1.82	-1.18	-0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	79.58	-0.00	-7.79	-904.31	-0.88	0.19
1.2 Dead+1.0 Wind 30	79.58	3.89	-6.74	-783.23	-451.36	0.04

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	79.58	6.74	-3.89	-452.80	-781.23	-0.13
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	79.58	7.78	0.00	-1.57	-902.12	-0.26
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	79.58	6.74	3.90	449.56	-781.62	-0.32
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	79.58	3.89	6.75	779.70	-452.03	-0.30
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	79.58	0.00	7.79	900.40	-1.66	-0.19
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	79.58	-3.89	6.74	779.31	448.82	-0.04
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	79.58	-6.74	3.89	448.88	778.70	0.13
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	79.58	-7.78	-0.00	-2.35	899.58	0.26
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	79.58	-6.74	-3.90	-453.47	779.08	0.32
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	79.58	-3.89	-6.75	-783.61	449.49	0.30
Dead+Wind 0 deg - Service	42.43	-0.00	-6.17	-700.96	0.21	0.20
Dead+Wind 30 deg - Service	42.43	3.08	-5.35	-606.86	-349.24	0.03
Dead+Wind 60 deg - Service	42.43	5.34	-3.08	-350.27	-605.18	-0.14
Dead+Wind 90 deg - Service	42.43	6.16	0.00	0.06	-699.04	-0.28
Dead+Wind 120 deg - Service	42.43	5.34	3.09	350.27	-605.65	-0.34
Dead+Wind 150 deg - Service	42.43	3.08	5.35	606.51	-350.06	-0.31
Dead+Wind 180 deg - Service	42.43	0.00	6.17	700.13	-0.74	-0.20
Dead+Wind 210 deg - Service	42.43	-3.08	5.35	606.04	348.71	-0.03
Dead+Wind 240 deg - Service	42.43	-5.34	3.08	349.45	604.65	0.14
Dead+Wind 270 deg - Service	42.43	-6.16	-0.00	-0.89	698.50	0.28
Dead+Wind 300 deg - Service	42.43	-5.34	-3.09	-351.09	605.12	0.34
Dead+Wind 330 deg - Service	42.43	-3.08	-5.35	-607.34	349.53	0.31

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX	PY	PZ	PX	PY	PZ	% Error
	K	K	K	K	K	K	
1	0.00	-42.43	0.00	0.00	42.43	0.00	0.000%
2	-0.02	-50.92	-33.19	0.02	50.92	33.19	0.000%
3	-0.02	-38.19	-33.19	0.02	38.19	33.19	0.000%
4	16.55	-50.92	-28.74	-16.55	50.92	28.74	0.000%
5	16.55	-38.19	-28.74	-16.55	38.19	28.74	0.000%
6	28.68	-50.92	-16.58	-28.68	50.92	16.58	0.000%
7	28.68	-38.19	-16.58	-28.68	38.19	16.58	0.000%
8	33.12	-50.92	0.02	-33.12	50.92	-0.02	0.000%
9	33.12	-38.19	0.02	-33.12	38.19	-0.02	0.000%
10	28.70	-50.92	16.61	-28.70	50.92	-16.61	0.000%
11	28.70	-38.19	16.61	-28.70	38.19	-16.61	0.000%
12	16.58	-50.92	28.75	-16.58	50.92	-28.75	0.000%
13	16.58	-38.19	28.75	-16.58	38.19	-28.75	0.000%
14	0.02	-50.92	33.19	-0.02	50.92	-33.19	0.000%
15	0.02	-38.19	33.19	-0.02	38.19	-33.19	0.000%
16	-16.55	-50.92	28.74	16.55	50.92	-28.74	0.000%
17	-16.55	-38.19	28.74	16.55	38.19	-28.74	0.000%
18	-28.68	-50.92	16.58	28.68	50.92	-16.58	0.000%
19	-28.68	-38.19	16.58	28.68	38.19	-16.58	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
20	-33.12	-50.92	-0.02	33.12	50.92	0.02	0.000%
21	-33.12	-38.19	-0.02	33.12	38.19	0.02	0.000%
22	-28.70	-50.92	-16.61	28.70	50.92	16.61	0.000%
23	-28.70	-38.19	-16.61	28.70	38.19	16.61	0.000%
24	-16.58	-50.92	-28.75	16.58	50.92	28.75	0.000%
25	-16.58	-38.19	-28.75	16.58	38.19	28.75	0.000%
26	0.00	-79.58	0.00	-0.00	79.58	0.00	0.000%
27	-0.00	-79.58	-7.79	0.00	79.58	7.79	0.000%
28	3.89	-79.58	-6.74	-3.89	79.58	6.74	0.000%
29	6.74	-79.58	-3.89	-6.74	79.58	3.89	0.000%
30	7.78	-79.58	0.00	-7.78	79.58	-0.00	0.000%
31	6.74	-79.58	3.90	-6.74	79.58	-3.90	0.000%
32	3.89	-79.58	6.75	-3.89	79.58	-6.75	0.000%
33	0.00	-79.58	7.79	-0.00	79.58	-7.79	0.000%
34	-3.89	-79.58	6.74	3.89	79.58	-6.74	0.000%
35	-6.74	-79.58	3.89	6.74	79.58	-3.89	0.000%
36	-7.78	-79.58	-0.00	7.78	79.58	0.00	0.000%
37	-6.74	-79.58	-3.90	6.74	79.58	3.90	0.000%
38	-3.89	-79.58	-6.75	3.89	79.58	6.75	0.000%
39	-0.00	-42.43	-6.17	0.00	42.43	6.17	0.000%
40	3.08	-42.43	-5.35	-3.08	42.43	5.35	0.000%
41	5.34	-42.43	-3.08	-5.34	42.43	3.08	0.000%
42	6.16	-42.43	0.00	-6.16	42.43	-0.00	0.000%
43	5.34	-42.43	3.09	-5.34	42.43	-3.09	0.000%
44	3.08	-42.43	5.35	-3.08	42.43	-5.35	0.000%
45	0.00	-42.43	6.17	-0.00	42.43	-6.17	0.000%
46	-3.08	-42.43	5.35	3.08	42.43	-5.35	0.000%
47	-5.34	-42.43	3.08	5.34	42.43	-3.08	0.000%
48	-6.16	-42.43	-0.00	6.16	42.43	0.00	0.000%
49	-5.34	-42.43	-3.09	5.34	42.43	3.09	0.000%
50	-3.08	-42.43	-5.35	3.08	42.43	5.35	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	0.00054056
3	Yes	4	0.00000001	0.00034051
4	Yes	5	0.00000001	0.00039296
5	Yes	5	0.00000001	0.00017198
6	Yes	5	0.00000001	0.00039944
7	Yes	5	0.00000001	0.00017517
8	Yes	4	0.00000001	0.00075417
9	Yes	4	0.00000001	0.00047715
10	Yes	5	0.00000001	0.00037249
11	Yes	5	0.00000001	0.00016205
12	Yes	5	0.00000001	0.00041152
13	Yes	5	0.00000001	0.00018100
14	Yes	4	0.00000001	0.00057601
15	Yes	4	0.00000001	0.00036296
16	Yes	5	0.00000001	0.00038776
17	Yes	5	0.00000001	0.00016965
18	Yes	5	0.00000001	0.00038142
19	Yes	5	0.00000001	0.00016662
20	Yes	4	0.00000001	0.00078980
21	Yes	4	0.00000001	0.00049960
22	Yes	5	0.00000001	0.00041339
23	Yes	5	0.00000001	0.00018192
24	Yes	5	0.00000001	0.00037421
25	Yes	5	0.00000001	0.00016280
26	Yes	4	0.00000001	0.00000922
27	Yes	5	0.00000001	0.00015266
28	Yes	5	0.00000001	0.00018480
29	Yes	5	0.00000001	0.00018514
30	Yes	5	0.00000001	0.00015225

31	Yes	5	0.00000001	0.00018110
32	Yes	5	0.00000001	0.00018396
33	Yes	5	0.00000001	0.00015078
34	Yes	5	0.00000001	0.00018022
35	Yes	5	0.00000001	0.00017977
36	Yes	5	0.00000001	0.00015101
37	Yes	5	0.00000001	0.00018483
38	Yes	5	0.00000001	0.00018208
39	Yes	4	0.00000001	0.00002720
40	Yes	4	0.00000001	0.00009263
41	Yes	4	0.00000001	0.00009875
42	Yes	4	0.00000001	0.00003478
43	Yes	4	0.00000001	0.00008091
44	Yes	4	0.00000001	0.00011031
45	Yes	4	0.00000001	0.00002734
46	Yes	4	0.00000001	0.00008784
47	Yes	4	0.00000001	0.00008362
48	Yes	4	0.00000001	0.00003495
49	Yes	4	0.00000001	0.00011256
50	Yes	4	0.00000001	0.00008126

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	159.08 - 139.33	14.647	39	0.9936	0.0045
L2	142.34 - 91.24	11.329	39	0.8783	0.0023
L3	96.3 - 44.66	4.642	39	0.4946	0.0006
L4	51.49 - 0	1.241	39	0.2278	0.0002

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
159.00	7770.00 w/ Mount Pipe	39	14.631	0.9931	0.0045	20129
147.00	(3) SBNHH-1D65B w/ Mount Pipe	39	12.220	0.9121	0.0028	8332
135.00	MX08FRO665-20 w/ Mount Pipe	39	10.008	0.8208	0.0016	6277

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	159.08 - 139.33	79.025	2	5.3550	0.0243
L2	142.34 - 91.24	61.149	2	4.7402	0.0122
L3	96.3 - 44.66	25.069	2	2.6717	0.0031
L4	51.49 - 0	6.699	2	1.2304	0.0010

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
159.00	7770.00 w/ Mount Pipe	2	78.937	5.3522	0.0242	3812
147.00	(3) SBNHH-1D65B w/ Mount Pipe	2	65.953	4.9209	0.0151	1577
135.00	MX08FRO665-20 w/ Mount Pipe	2	54.032	4.4322	0.0086	1183

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	159.08 - 139.33 (1)	TP24.1x18.43x0.1875	19.75	0.00	0.0	13.7167	-8.56	802.42	0.011
L2	139.33 - 91.24 (2)	TP40.49x22.8609x0.3125	51.10	0.00	0.0	38.1196	-19.27	2230.00	0.009
L3	91.24 - 44.66 (3)	TP54.61x38.1193x0.375	51.64	0.00	0.0	61.9572	-31.79	3624.49	0.009
L4	44.66 - 0 (4)	TP69.47x51.6789x0.375	51.49	0.00	0.0	82.2403	-50.91	4743.50	0.011

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	159.08 - 139.33 (1)	TP24.1x18.43x0.1875	187.25	449.12	0.417	0.00	449.12	0.000
L2	139.33 - 91.24 (2)	TP40.49x22.8609x0.3125	1100.88	2080.90	0.529	0.00	2080.90	0.000
L3	91.24 - 44.66 (3)	TP54.61x38.1193x0.375	2221.21	4389.49	0.506	0.00	4389.49	0.000
L4	44.66 - 0 (4)	TP69.47x51.6789x0.375	3782.85	6755.96	0.560	0.00	6755.96	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	159.08 - 139.33 (1)	TP24.1x18.43x0.1875	14.92	237.59	0.063	1.05	485.90	0.002
L2	139.33 - 91.24 (2)	TP40.49x22.8609x0.3125	22.56	669.00	0.034	1.05	2251.63	0.000
L3	91.24 - 44.66 (3)	TP54.61x38.1193x0.375	27.49	1087.35	0.025	1.04	4956.81	0.000
L4	44.66 - 0 (4)	TP69.47x51.6789x0.375	33.21	1443.32	0.023	1.04	8733.50	0.000

Pole Interaction Design Data

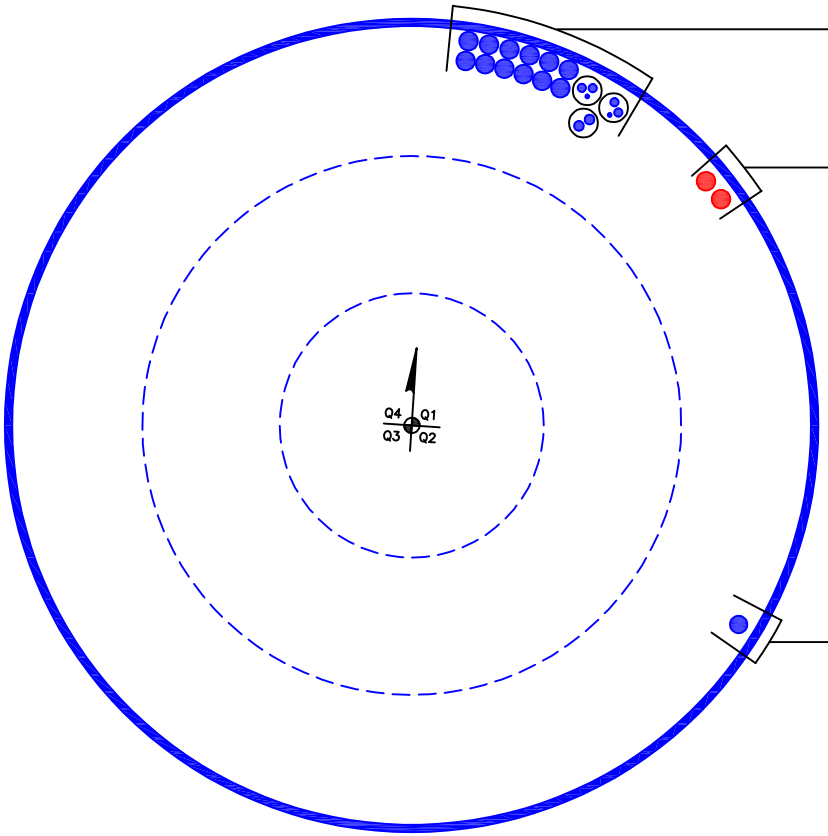
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	159.08 - 139.33 (1)	0.011	0.417	0.000	0.063	0.002	0.432	1.050	4.8.2
L2	139.33 - 91.24 (2)	0.009	0.529	0.000	0.034	0.000	0.539	1.050	4.8.2
L3	91.24 - 44.66 (3)	0.009	0.506	0.000	0.025	0.000	0.515	1.050	4.8.2
L4	44.66 - 0 (4)	0.011	0.560	0.000	0.023	0.000	0.571	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	159.08 - 139.33	Pole	TP24.1x18.43x0.1875	1	-8.56	842.55	41.1	Pass
L2	139.33 - 91.24	Pole	TP40.49x22.8609x0.3125	2	-19.27	2341.50	51.3	Pass
L3	91.24 - 44.66	Pole	TP54.61x38.1193x0.375	3	-31.79	3805.71	49.1	Pass
L4	44.66 - 0	Pole	TP69.47x51.6789x0.375	4	-50.91	4980.67	54.4	Pass
							Summary	
						Pole (L4)	54.4	Pass
						RATING =	**54.4**	**Pass**

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 857011 TOWER ID:C_BASELEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

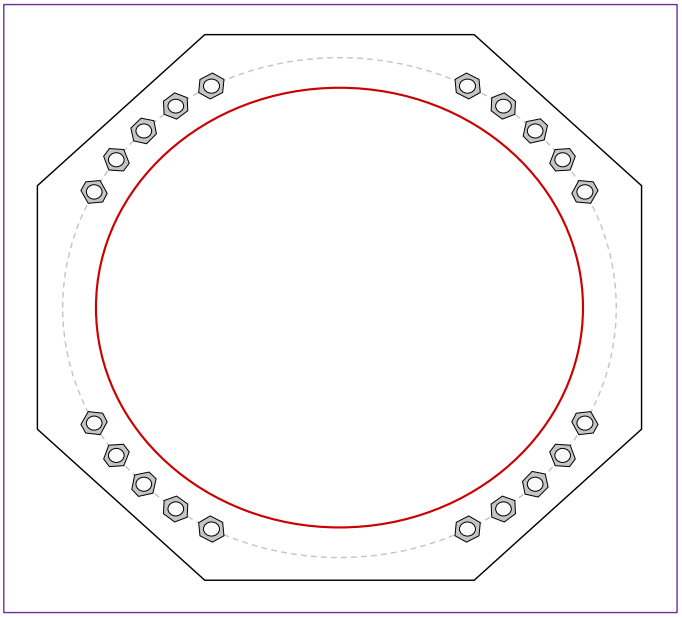
Monopole Base Plate Connection

Site Info	
BU #	857011
Site Name	Westbrook North Horse Hill ROA
Order #	583430 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	2.75

Applied Loads	
Moment (kip-ft)	3782.85
Axial Force (kips)	50.91
Shear Force (kips)	33.21

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(20) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 78.97" BC

Anchor Spacing: 6 in

Base Plate Data

86.21" W x 3" Plate (A572-50; Fy=50 ksi, Fu=65 ksi); Clip: 23.875 in

Stiffener Data

N/A

Pole Data

69.47" x 0.375" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

Pu_c = 117.47	ϕPn_c = 268.39	**Stress Rating**
Vu = 1.66	ϕVn = 120.77	**43.9%**
Mu = 2.97	ϕMn = 128.14	**Pass**

Base Plate Summary

Max Stress (ksi):	18.77	(Flexural)
Allowable Stress (ksi):	45	
Stress Rating:	**39.7%**	**Pass**

Pier and Pad Foundation

BU # :	857011
Site Name:	Westbrook North Horse Hill ROA
App. Number:	583430 Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp}:	50.92	kips
Base Shear, Vu_comp:	33.19	kips
Moment, M_u:	3782.85	ft-kips
Tower Height, **H**:	159.08	ft
BP Dist. Above Fdn, bp_{dist}:	4.75	in

Pier Properties		
Pier Shape:	Square	
Pier Diameter, **dpier**:	9	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	8	
Pier Rebar Quantity, **mc**:	74	
Pier Tie/Spiral Size, **St**:	3	
Pier Tie/Spiral Quantity, **mt**:	6	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	8	ft
Pad Width, W_1:	28	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	9	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	22	
Pad Clear Cover, cc_{pad}:	3	in

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

Soil Properties		
Total Soil Unit Weight, γ:	130	pcf
Ultimate Gross Bearing, Qult:	12.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	38	degrees
SPT Blow Count, N_{blows}:	35	
Base Friction, μ:	0.35	
Neglected Depth, **N**:	5.00	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	N/A	ft

<--Toggle between Gross and Net

Foundation Analysis Checks	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	440.90	33.19	**7.2%**	**Pass**
Bearing Pressure (ksf)	9.00	2.19	**23.2%**	**Pass**
*Overturning (kip*ft)*	10256.62	4078.10	**39.8%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	11984.40	3965.40	**31.5%**	**Pass**
Pier Compression (kip)	38666.16	131.11	**0.3%**	**Pass**
*Pad Flexure (kip*ft)*	3023.23	1199.27	**37.8%**	**Pass**
Pad Shear - 1-way (kips)	864.26	178.86	**19.7%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.164	0.030	**17.4%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	3793.12	2379.24	**59.7%**	**Pass**

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

Structural Rating*:	**59.7%**
Soil Rating*:	**39.8%**

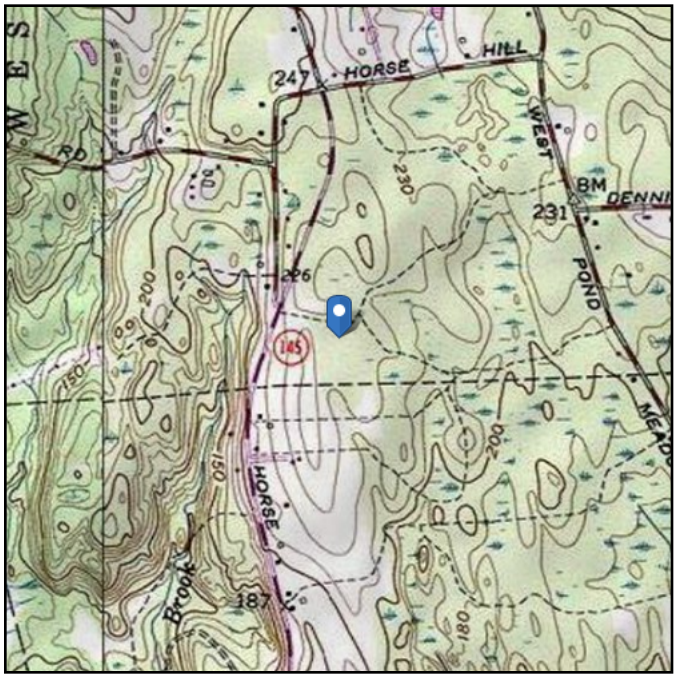
Version 4.1.1

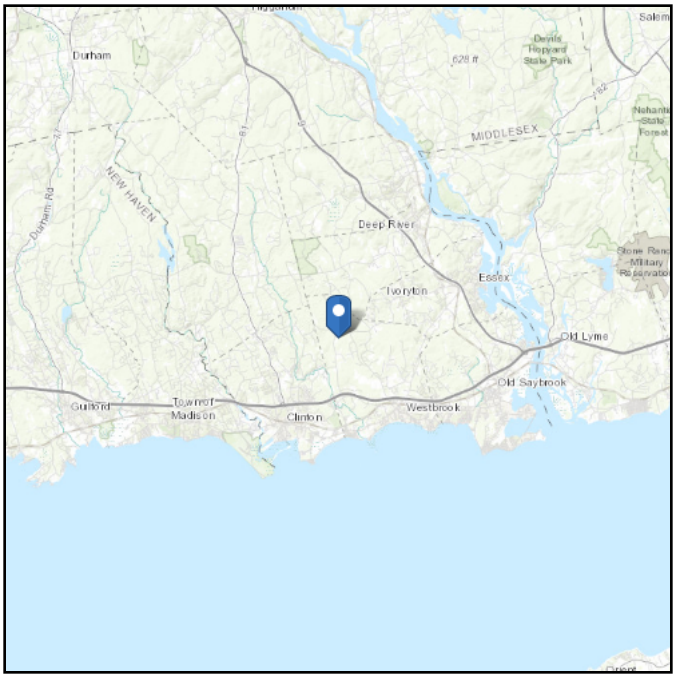
ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 235.72 ft (NAVD 88)
Latitude: 41.323808
Longitude: -72.491139





Wind

Results:

Wind Speed:	130 Vmph	*135 Vmph per local code requirements
10-year MRI	79 Vmph	
25-year MRI	88 Vmph	
50-year MRI	97 Vmph	
100-year MRI	106 Vmph	

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

Date Accessed: Tue Aug 17 2021

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

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

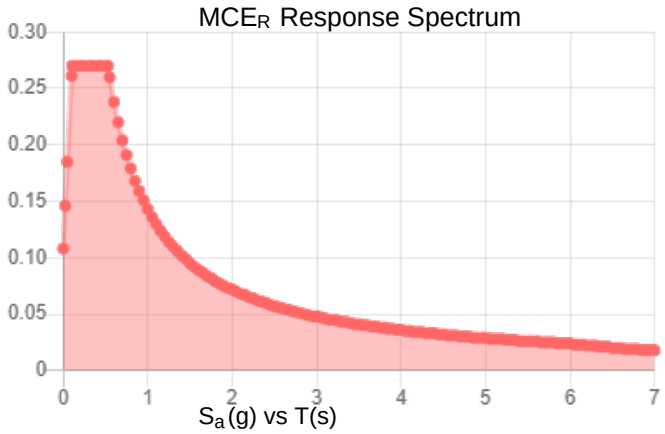
Seismic

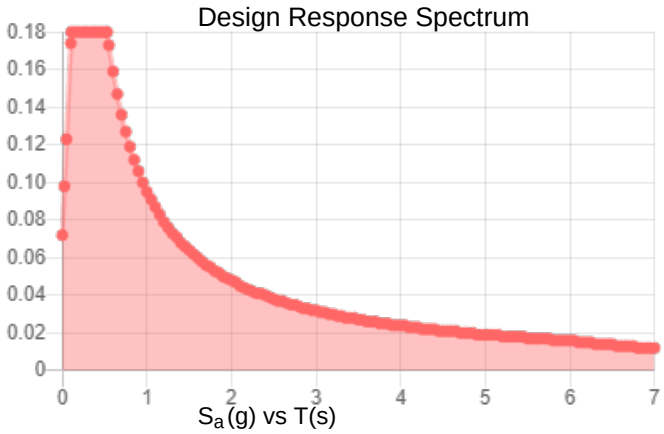
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.169	S_{DS} :	0.18
S_1 :	0.06	S_{D1} :	0.095
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.085
S_{MS} :	0.27	PGA_M :	0.136
S_{M1} :	0.143	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Tue Aug 17 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:	0.75 in.	Design Ice: 2*0.75 in. = 1.50 in.
Concurrent Temperature:	15 F	
Gust Speed:	50 mph	

Data Source: Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8

Date Accessed: Tue Aug 17 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 #: 10071737
Maser Consulting Connecticut Project #: 21777991A

August 27, 2021

Site Information	*Site ID:*	*469675-VZW / WESTBROOK NORTH CT*
	Site Name:	*WESTBROOK NORTH CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*1102 Horse Hill Rd* *Westbrook, Connecticut 06498* *Middlesex County*
	Latitude:	*41.32377778°*
	Longitude:	*-72.49113889°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

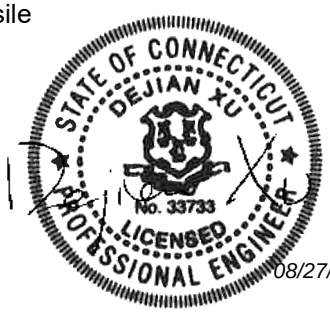
FUZE ID # 16272129

Analysis Results

Platform: **48.0% Pass**

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

Report Prepared By: Guido Marsile



08/27/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 2607092, dated July 23, 2021*
Mount Mapping Report	*Hudson Design Group, LLC, Site ID: 469675, dated June 15, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	124 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.992
Seismic Parameters:	S_S:	0.207
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
144.50	147.00	3	Samsung	MT6407-77A	Added
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		1	RFS	RCMDC-6627-PF-48	Retained
		9	Andrew	SBNHH-1D65B	

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	13.0%	Pass
Support Rail	34.5%	Pass
Standoff Horizontal	18.0%	Pass
Corner Plate	17.4%	Pass
Platform Crossmember	18.4%	Pass
Grating Support	13.1%	Pass
Support Rail Corner	33.3%	Pass
Kickers	9.0%	Pass
Mount Pipe	48.0%	Pass
Cross Arm Plate	27.9%	Pass
Connection Check	10.1%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**48.0%**

Recommendation:

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

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

Attachments:

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

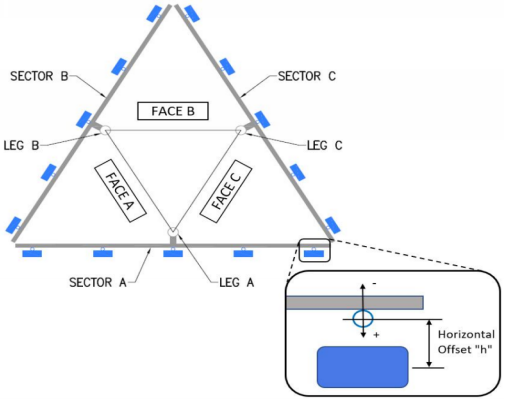
V4.0 Updated on 3-31-2021

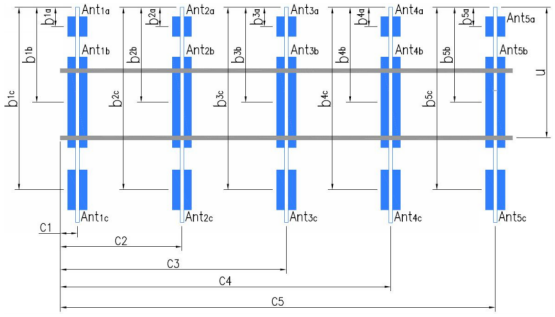
Antenna Mount Mapping Form (PATENT PENDING)

FCC #	

Tower Owner:	CROWN CASTLE	**Mapping Date:**	6/15/2021
Site Name:	WESTBROOK NORTH CT	**Tower Type:**	Monopole
Site Number or ID:	469675	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP,LLC.	**Mount Elevation (Ft.):**	145.25

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 96" LONG	66.50	12.00	C1	2" STD. PIPE X 96" LONG	66.50	12.00
A2	2" STD. PIPE X 96" LONG	66.50	54.00	C2	2" STD. PIPE X 96" LONG	66.50	54.00
A3	2" STD. PIPE X 96" LONG	66.50	97.00	C3	2" STD. PIPE X 96" LONG	66.50	97.00
A4	2" STD. PIPE X 96" LONG	66.50	139.00	C4	2" STD. PIPE X 96" LONG	66.50	139.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 96" LONG	66.50	12.00	D1			
B2	2" STD. PIPE X 96" LONG	66.50	54.00	D2			
B3	2" STD. PIPE X 96" LONG	66.50	97.00	D3			
B4	2" STD. PIPE X 96" LONG	66.50	139.00	D4			
B5				D5			
B6				D6			

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

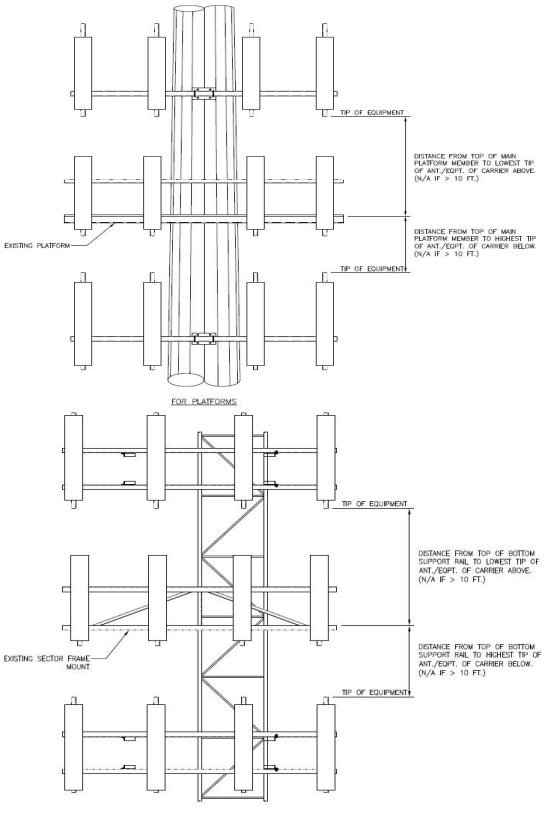
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	23
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			0.375

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}	UHIE,B66A RRH 4X45	12.00	7.00	25.50		147.042	45.00	-7.00		10,27
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	B13 RRH 4X30	12.00	7.50	20.50		147.042	45.00	-7.00		11,28
Ant_{2b}	(2) SBNHH-1D65B	12.00	7.00	73.00		147.875	35.00	11.00	10.00	11,28
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	SBNHH-1D65B	12.00	7.00	73.00		147.875	35.00	9.00	10.00	12,29
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	QUAD656C000G	7.50	20.50	74.00		147.417	40.50	10.00	10.00	12,30
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

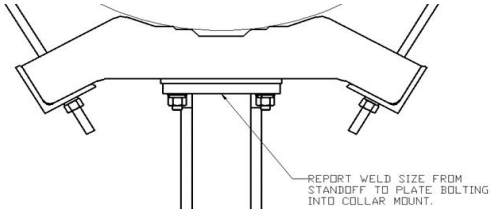
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	10.00	Deg	Leg A:		Deg
Sector B:	130.00	Deg	Leg B:		Deg
Sector C:	250.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	180.00 Deg	
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.

Please insert a photo of the mount centerline measurement here.



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



Sector B										
Ant_{1a}	UHIE,B66A RRH 4X45	12.00	7.00	25.50		147.042	45.00	-7.00		17,31
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	B13 RRH 4X30	12.00	7.50	20.50		147.042	45.00	-7.00		18,32
Ant_{2b}	(2) SBNHH-1D65B	12.00	7.00	73.00		147.875	35.00	11.00	130.00	18,32
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	SBNHH-1D65B	12.00	7.00	73.00		147.875	35.00	9.00	130.00	19,33
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	QUAD656C000G	7.50	20.50	74.00		147.417	40.50	10.00	130.00	19,34
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	UHIE,B66A RRH 4X45	12.00	7.00	25.50		147.042	45.00	-7.00		22,34
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	B13 RRH 4X30	12.00	7.50	20.50		147.042	45.00	-7.00		23,35
Ant_{2b}	(2) SBNHH-1D65B	12.00	7.00	73.00		147.875	35.00	11.00	250.00	23,35
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	SBNHH-1D65B	12.00	7.00	73.00		147.875	35.00	9.00	250.00	24,36
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	QUAD656C000G	7.50	20.50	74.00		147.417	40.50	10.00	250.00	24,36
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

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

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

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

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	6/15/2021
Site Name:	WESTBROOK NORTH CT	**Tower Type:**	Monopole
Site Number or ID:	469675	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP,LLC.	**Mount Elevation (Ft.):**	145.25

Please Insert Sketches of the Antenna Mount

6/16/2021

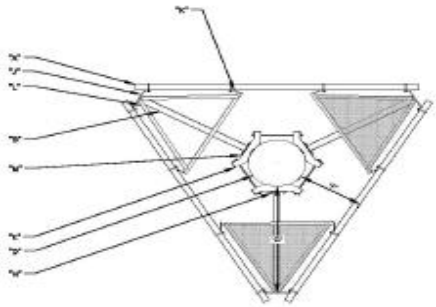
HUDSON Design Group LLC
28 BEECHWOOD DRIVE
NORTH ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

MOUNT MAPPING CHECKLIST

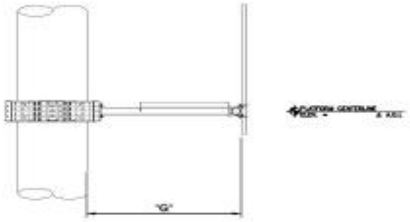
CARRIER:	COLLIER	SITE #:	Westbrook North CT	SITE NAME:	
DATE:	6/15/2021	MAPPED BY:	JC	SITE OWNER:	CROWN CASTLE

DESCRIPTION	STATUS	Value
A: FACE PIPE CONFIG.	☐	
SIZE		3-1/2"
LENGTH		12'6"
B: STAND OFF SIZE	☐	4x4
C: ANTENNA PIPE MAST	☐	1/8"
DIA.		2-3/8"
LENGTH		96"
D: MONOPOLE DIA.	☐	23"
E: RINGMOUNT	☐	9.5"x 5/8"
F: TOWER TO FACE	☐	37 1/2
G: TOWER TO APEX	☐	67 1/2
H: HARDWARE	☐	5/8"Ø
I: U-BOLTS	☐	1/2"Ø
J: A PLATE	☐	6"x 12.5"x 3.5"x 1/2"
K: B PLATE	☐	6"x 3.5"x 5"x 3/8"
L: ANGLE	☐	2"X2"X3/16"
M: MOUNTING PLATE	☐	8"x 8"x 3/4"
N: ALPHA POS 1	☐	UHIE, B66a RRH 4x45
ALPHA POS 2	☐	(2) SBNHH - 1D65B w/ B13 RR
ALPHA POS 3	☐	SBNHH - 1D65B
ALPHA POS 4	☐	Quad656C000G
ALPHA POS 5		
O: BETA POS 1	☐	Same
BETA POS 2	☐	
BETA POS 3	☐	
BETA POS 4	☐	
BETA POS 5		
P: GAMMA POS 1	☐	Same
GAMMA POS 2	☐	
GAMMA POS 3	☐	
GAMMA POS 4	☐	
GAMMA POS 5		
Q: TMA	☐	none
R: RADIOS	☐	above
S: SURGE	☐	(1) on HSS
T: SECOND MOUNT	☐	Kicker Collar - See pix

Legend



PLAN



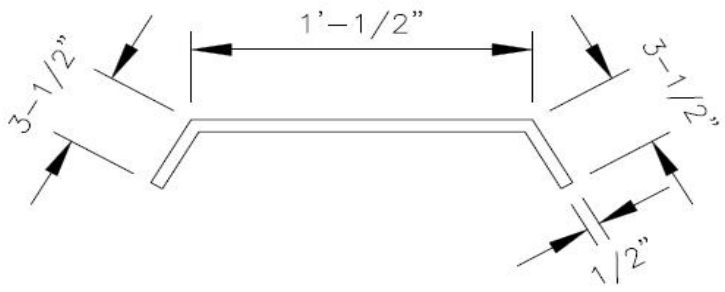
ELEVATION

FACE SKETCH

COMMENTS:

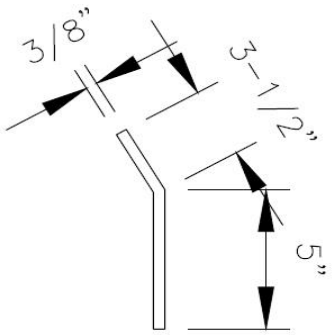
Handrail 2-3/8" height: 41"

Please Insert Sketches of the Antenna Mount, cont'd



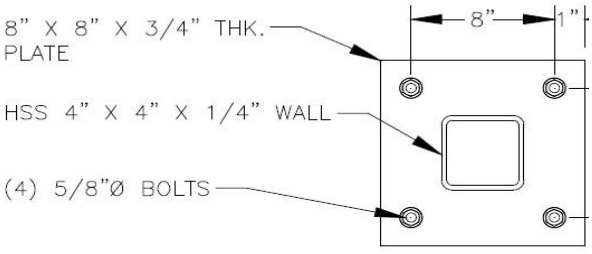
DETAIL J

APEX "A" PLATE DETAIL

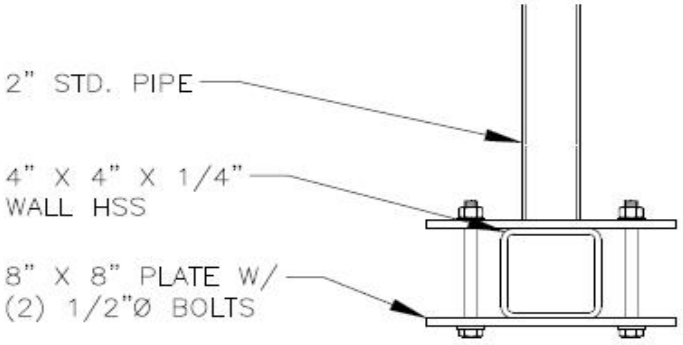


DETAIL K

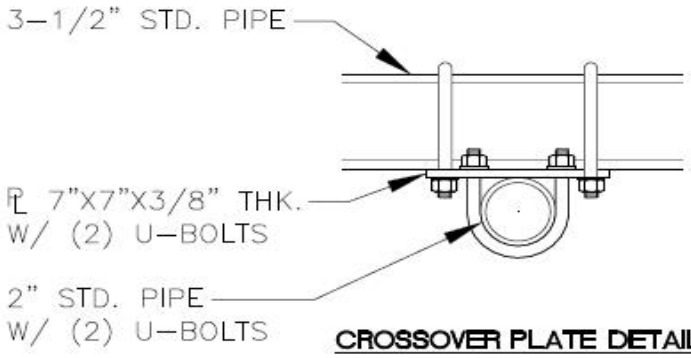
"B" PLATE DETAIL



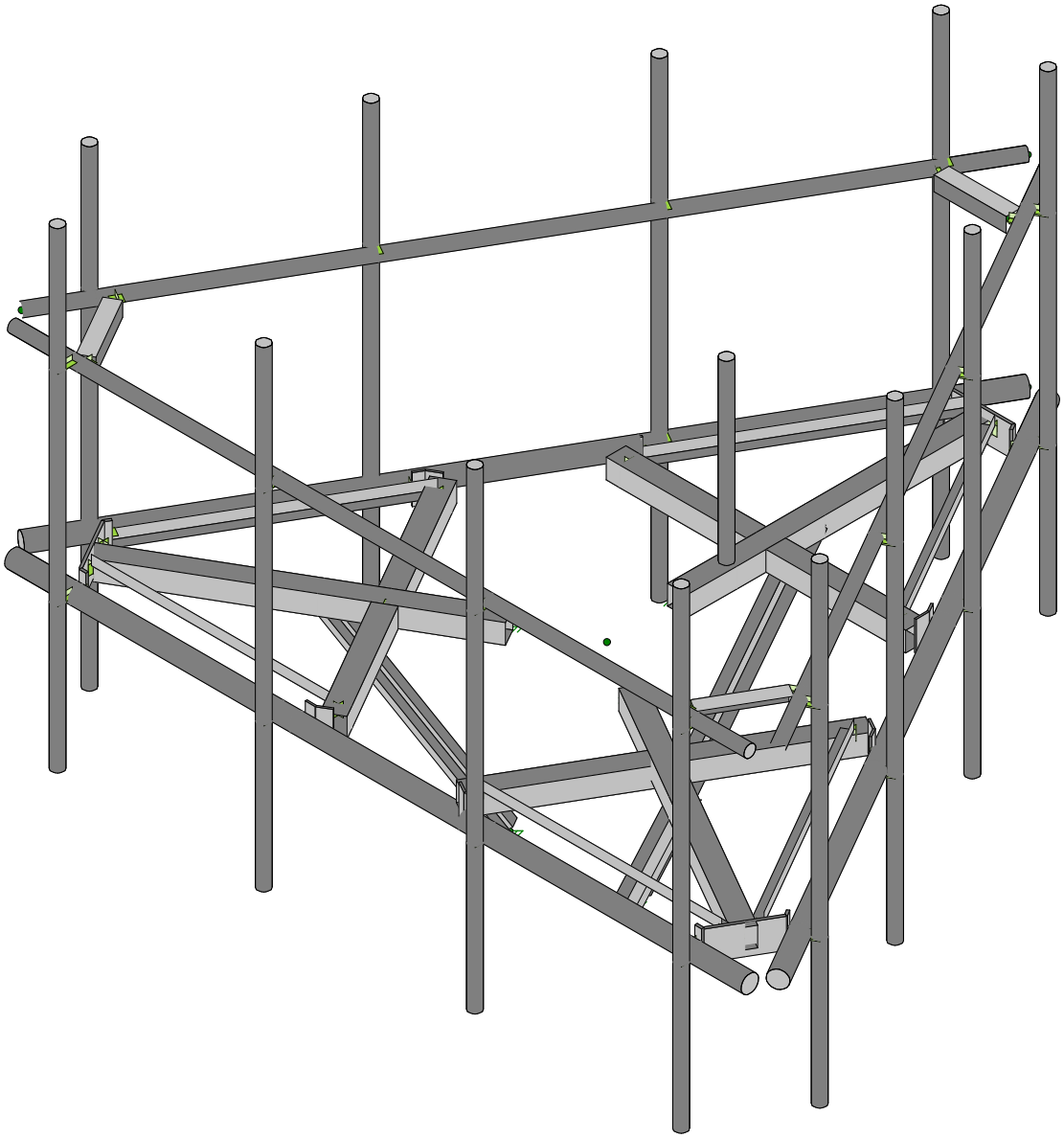
STANDOFF TO RING MOUNT CONNECTION



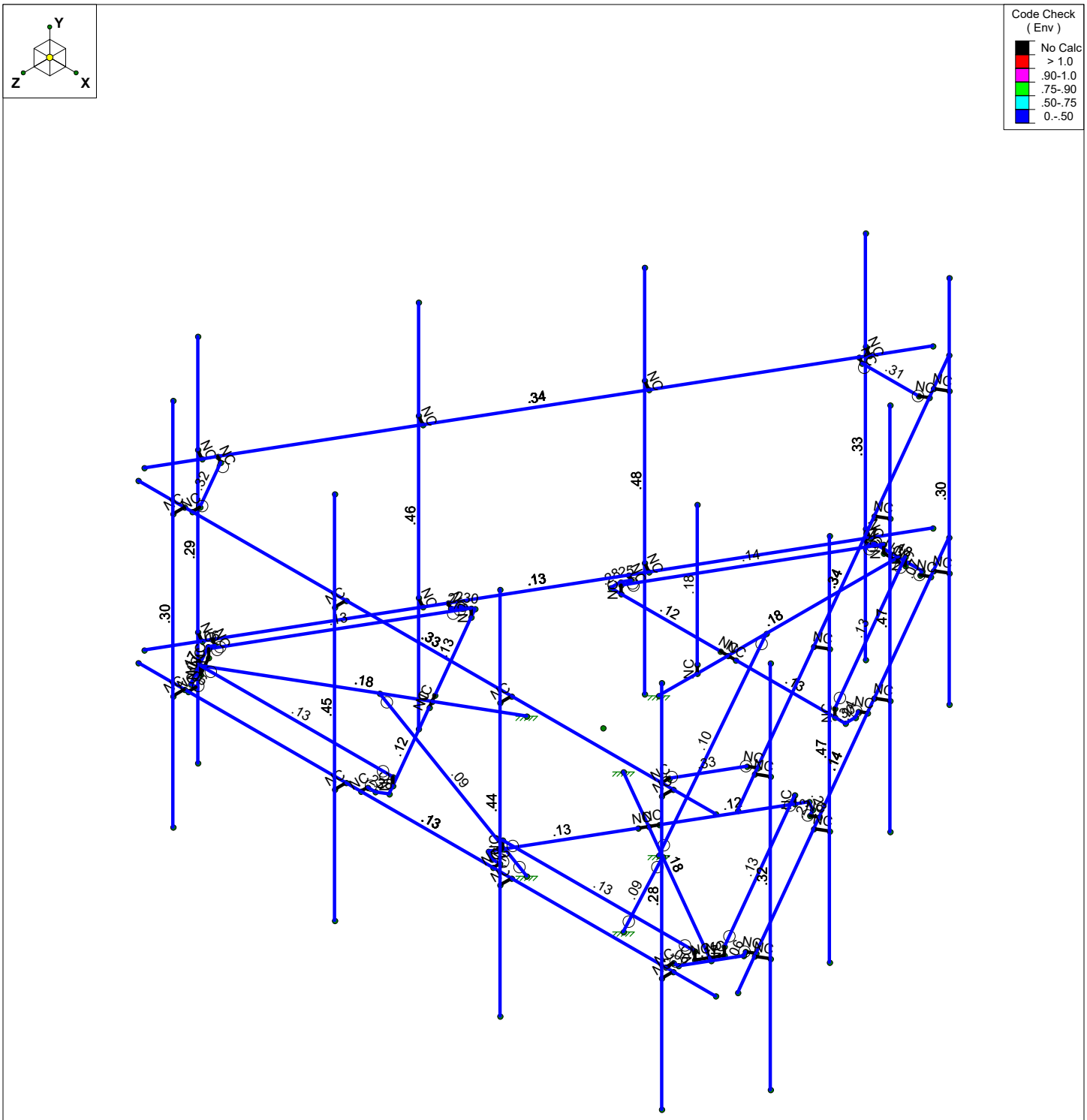
S.O. MOUNT DETAIL



CROSSOVER PLATE DETAIL

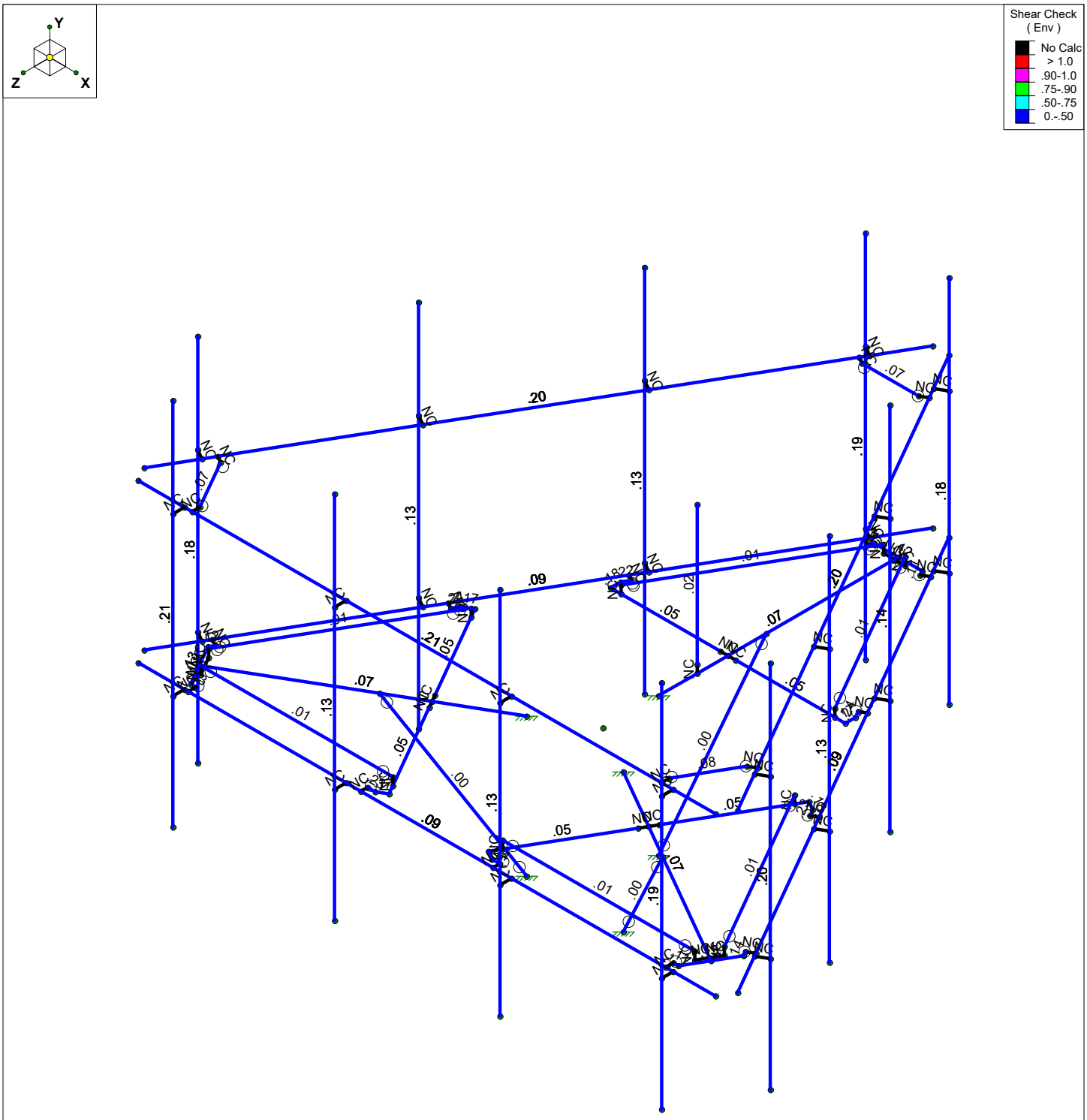


		SK - 1
		Aug 26, 2021 at 5:48 PM
		469675-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		Aug 26, 2021 at 5:49 PM
		469675-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		Aug 26, 2021 at 5:49 PM
		469675-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					93			
2	Antenna Di	None					93			
3	Antenna Wo (0 Deg)	None					93			
4	Antenna Wo (30 Deg)	None					93			
5	Antenna Wo (60 Deg)	None					93			
6	Antenna Wo (90 Deg)	None					93			
7	Antenna Wo (120 Deg)	None					93			
8	Antenna Wo (150 Deg)	None					93			
9	Antenna Wo (180 Deg)	None					93			
10	Antenna Wo (210 Deg)	None					93			
11	Antenna Wo (240 Deg)	None					93			
12	Antenna Wo (270 Deg)	None					93			
13	Antenna Wo (300 Deg)	None					93			
14	Antenna Wo (330 Deg)	None					93			
15	Antenna Wi (0 Deg)	None					93			
16	Antenna Wi (30 Deg)	None					93			
17	Antenna Wi (60 Deg)	None					93			
18	Antenna Wi (90 Deg)	None					93			
19	Antenna Wi (120 Deg)	None					93			
20	Antenna Wi (150 Deg)	None					93			
21	Antenna Wi (180 Deg)	None					93			
22	Antenna Wi (210 Deg)	None					93			
23	Antenna Wi (240 Deg)	None					93			
24	Antenna Wi (270 Deg)	None					93			
25	Antenna Wi (300 Deg)	None					93			
26	Antenna Wi (330 Deg)	None					93			
27	Antenna Wm (0 Deg)	None					93			
28	Antenna Wm (30 Deg)	None					93			
29	Antenna Wm (60 Deg)	None					93			
30	Antenna Wm (90 Deg)	None					93			
31	Antenna Wm (120 Deg)	None					93			
32	Antenna Wm (150 Deg)	None					93			
33	Antenna Wm (180 Deg)	None					93			
34	Antenna Wm (210 Deg)	None					93			
35	Antenna Wm (240 Deg)	None					93			
36	Antenna Wm (270 Deg)	None					93			
37	Antenna Wm (300 Deg)	None					93			
38	Antenna Wm (330 Deg)	None					93			
39	Structure D	None		-1					3	
40	Structure Di	None						61	3	
41	Structure Wo (0 Deg)	None						122		
42	Structure Wo (30 Deg)	None						122		
43	Structure Wo (60 Deg)	None						122		
44	Structure Wo (90 Deg)	None						122		
45	Structure Wo (120 D...	None						122		
46	Structure Wo (150 D...	None						122		
47	Structure Wo (180 D...	None						122		
48	Structure Wo (210 D...	None						122		
49	Structure Wo (240 D...	None						122		
50	Structure Wo (270 D...	None						122		
51	Structure Wo (300 D...	None						122		
52	Structure Wo (330 D...	None						122		
53	Structure Wi (0 Deg)	None						122		
54	Structure Wi (30 Deg)	None						122		
55	Structure Wi (60 Deg)	None						122		
56	Structure Wi (90 Deg)	None						122		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						122		
58	Structure Wi (150 De...	None						122		
59	Structure Wi (180 De...	None						122		
60	Structure Wi (210 De...	None						122		
61	Structure Wi (240 De...	None						122		
62	Structure Wi (270 De...	None						122		
63	Structure Wi (300 De...	None						122		
64	Structure Wi (330 De...	None						122		
65	Structure Wm (0 Deg)	None						122		
66	Structure Wm (30 De...	None						122		
67	Structure Wm (60 De...	None						122		
68	Structure Wm (90 De...	None						122		
69	Structure Wm (120 D...	None						122		
70	Structure Wm (150 D...	None						122		
71	Structure Wm (180 D...	None						122		
72	Structure Wm (210 D...	None						122		
73	Structure Wm (240 D...	None						122		
74	Structure Wm (270 D...	None						122		
75	Structure Wm (300 D...	None						122		
76	Structure Wm (330 D...	None						122		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						30		
82	BLC 40 Transient Are...	None						30		

Load Combinations

	Description	Sol..	PD..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..
1	1.2D+1.0W...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0W...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0W...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0W...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0W...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0W...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0W...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0W...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0W...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0W...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0W...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0W...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact...
27	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5L...	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 + 1.0E...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0E...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0E...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0E...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0E...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0E...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0E...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0E...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0E...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0E...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0E...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0E...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.25	0	3.810523	0	
2	N2	-6.25	0	3.810523	0	
3	N3	0	0	-1.208333	0	
4	N5	-2.541667	0	-2.708333	0	
5	N6	2.315104	0.166667	-2.708333	0	
6	N7	-2.315104	0.166667	-2.708333	0	
7	N8	5.333333	0	3.810523	0	
8	N9	5.333333	0	4.060523	0	
9	N10	-5.25	0	3.810523	0	
10	N11	-5.25	0	4.060523	0	
11	N12	1.833333	0	3.810523	0	
12	N13	1.833333	0	4.060523	0	
13	N14	-1.75	0	3.810523	0	
14	N15	-1.75	0	4.060523	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N16	-1.75	-2.458333	4.060523	0	
16	N17	-1.75	5.541667	4.060523	0	
17	N18	-5.25	-2.458333	4.060523	0	
18	N19	-5.25	5.541667	4.060523	0	
19	N20	1.833333	-2.458333	4.060523	0	
20	N21	1.833333	5.541667	4.060523	0	
21	N22	5.333333	-2.458333	4.060523	0	
22	N23	5.333333	5.541667	4.060523	0	
23	N24	0	0	-2.708333	0	
24	N27	0	0	-6.395833	0	
25	CP	0	0	0	0	
26	N29	2.315104	0	-2.708333	0	
27	N30	-2.315104	0	-2.708333	0	
28	N101	2.541667	0	-2.708333	0	
29	N102	-0.166667	0	-2.708333	0	
30	N103A	0.166667	0	-2.708333	0	
31	N104A	-2.541667	0	-2.927083	0	
32	N105	2.541667	0	-2.927083	0	
33	N131	2.458333	0	-3.071421	0	
34	N135	0.571615	0	-6.298857	0	
35	N144	-2.458333	0	-3.071421	0	
36	N148	-0.571615	0	-6.298857	0	
37	N86A	2.584629	0	-3.144338	0	
38	N86B	-2.584629	0	-3.144338	0	
39	N86C	-0.515625	0	-6.395833	0	
40	N87A	0.515625	0	-6.395833	0	
41	N86D	0.715429	0	-6.381888	0	
42	N86E	-0.715429	0	-6.381888	0	
43	N88A	0	0	-6.3125	0	
44	N87C	0.234238	0.166667	-6.3125	0	
45	N86G	0.234238	0	-6.3125	0	
46	N87B	-0.234238	0.166667	-6.3125	0	
47	N88C	-0.234238	0	-6.3125	0	
48	N87D	-1.046447	0	0.604167	0	
49	N88B	-1.074652	0	3.555315	0	
50	N89	-3.503038	0.166667	-0.650772	0	
51	N90	-1.187933	0.166667	3.359106	0	
52	N91	-2.345485	0	1.354167	0	
53	N92	-5.538954	0	3.197917	0	
54	N93	-3.503038	0	-0.650772	0	
55	N94	-1.187933	0	3.359106	0	
56	N95	-3.616319	0	-0.846981	0	
57	N96	-2.262152	0	1.498504	0	
58	N97	-2.428819	0	1.209829	0	
59	N98	-1.264095	0	3.66469	0	
60	N99	-3.805762	0	-0.737606	0	
61	N100	-3.889095	0	-0.593269	0	
62	N101A	-5.740777	0	2.654396	0	
63	N102A	-1.430762	0	3.66469	0	
64	N103	-5.169162	0	3.644461	0	
65	N104	-4.015391	0	-0.666185	0	
66	N105A	-1.430762	0	3.810523	0	
67	N106	-5.281142	0	3.644461	0	
68	N107	-5.796767	0	2.751372	0	
69	N108	-5.884591	0	2.571364	0	
70	N109	-5.169162	0	3.810523	0	
71	N110	-5.466785	0	3.15625	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N111	-5.583904	0.166667	2.953394	0	
73	N112	-5.583904	0	2.953394	0	
74	N113	-5.349667	0.166667	3.359106	0	
75	N114	-5.349667	0	3.359106	0	
76	N115	1.046447	0	0.604167	0	
77	N116	3.616319	0	-0.846981	0	
78	N117	1.187933	0.166667	3.359106	0	
79	N118	3.503038	0.166667	-0.650772	0	
80	N119	2.345485	0	1.354167	0	
81	N120	5.538954	0	3.197917	0	
82	N121	1.187933	0	3.359106	0	
83	N122	3.503038	0	-0.650772	0	
84	N123	1.074652	0	3.555315	0	
85	N124	2.428819	0	1.209829	0	
86	N125	2.262152	0	1.498504	0	
87	N126	3.805762	0	-0.737606	0	
88	N127	1.264095	0	3.66469	0	
89	N128	1.430762	0	3.66469	0	
90	N129	5.169162	0	3.644461	0	
91	N130	3.889095	0	-0.593269	0	
92	N131A	5.740777	0	2.654396	0	
93	N132	1.430762	0	3.810523	0	
94	N133	4.015391	0	-0.666186	0	
95	N134	5.796767	0	2.751372	0	
96	N135A	5.281142	0	3.644461	0	
97	N136	5.169162	0	3.810523	0	
98	N137	5.884591	0	2.571364	0	
99	N138	5.466785	0	3.15625	0	
100	N139	5.349667	0.166667	3.359106	0	
101	N140	5.349667	0	3.359106	0	
102	N141	5.583904	0.166667	2.953394	0	
103	N142	5.583904	0	2.953394	0	
104	N104B	0.17501	0	-7.31792	0	
105	N105B	6.42501	0	3.507397	0	
106	N124A	-6.42501	0	3.507397	0	
107	N125A	-0.17501	0	-7.31792	0	
108	N144A	0	0	-3.541667	0	
109	N145	0	-3	-1.208333	0	
110	N147	-3.067173	0	1.770833	0	
111	N148A	-1.046447	-3	0.604167	0	
112	N150	3.067173	0	1.770833	0	
113	N151	1.046447	-3	0.604167	0	
114	N150A	6.25	3.416667	3.810523	0	
115	N151A	-6.25	3.416667	3.810523	0	
116	N118A	5.333333	3.416667	3.810523	0	
117	N119A	5.333333	3.416667	4.060523	0	
118	N120A	-5.25	3.416667	3.810523	0	
119	N121A	-5.25	3.416667	4.060523	0	
120	N122A	1.833333	3.416667	3.810523	0	
121	N123A	1.833333	3.416667	4.060523	0	
122	N124B	-1.75	3.416667	3.810523	0	
123	N125B	-1.75	3.416667	4.060523	0	
124	N126A	5.083333	3.416667	3.810523	0	
125	N127A	-5.083333	3.416667	3.810523	0	
126	N128A	5.083333	3.416667	3.643857	0	
127	N129A	-5.083333	3.416667	3.643857	0	
128	N128B	0.633343	0	-6.524064	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N129B	0.84985	0	-6.649064	0	
130	N130A	5.92501	0	2.641372	0	
131	N131B	6.141516	0	2.516372	0	
132	N132A	2.383343	0	-3.492975	0	
133	N133A	2.59985	0	-3.617975	0	
134	N134A	4.17501	0	-0.389717	0	
135	N135B	4.391516	0	-0.514717	0	
136	N136A	4.391516	-2.458333	-0.514717	0	
137	N137A	4.391516	5.541667	-0.514717	0	
138	N138A	6.141516	-2.458333	2.516372	0	
139	N139A	6.141516	5.541667	2.516372	0	
140	N140A	2.59985	-2.458333	-3.617975	0	
141	N141A	2.59985	5.541667	-3.617975	0	
142	N142A	0.84985	-2.458333	-6.649064	0	
143	N143	0.84985	5.541667	-6.649064	0	
144	N145A	0.17501	3.416667	-7.31792	0	
145	N146	6.42501	3.416667	3.507397	0	
146	N147A	0.633343	3.416667	-6.524064	0	
147	N148B	0.84985	3.416667	-6.649064	0	
148	N149	5.92501	3.416667	2.641372	0	
149	N150B	6.141516	3.416667	2.516372	0	
150	N151B	2.383343	3.416667	-3.492975	0	
151	N152	2.59985	3.416667	-3.617975	0	
152	N153	4.17501	3.416667	-0.389717	0	
153	N154	4.391516	3.416667	-0.514717	0	
154	N155	0.758343	3.416667	-6.307557	0	
155	N156	5.841677	3.416667	2.497034	0	
156	N157	0.614006	3.416667	-6.224224	0	
157	N158	5.697339	3.416667	2.580368	0	
158	N159	-5.966677	0	2.713541	0	
159	N160	-6.183183	0	2.588541	0	
160	N161	-0.67501	0	-6.451895	0	
161	N162	-0.891516	0	-6.576895	0	
162	N163	-4.216677	0	-0.317548	0	
163	N164	-4.433183	0	-0.442548	0	
164	N165	-2.42501	0	-3.420806	0	
165	N166	-2.641516	0	-3.545806	0	
166	N167	-2.641516	-2.458333	-3.545806	0	
167	N168	-2.641516	5.541667	-3.545806	0	
168	N169	-0.891516	-2.458333	-6.576895	0	
169	N170	-0.891516	5.541667	-6.576895	0	
170	N171	-4.433183	-2.458333	-0.442548	0	
171	N172	-4.433183	5.541667	-0.442548	0	
172	N173	-6.183183	-2.458333	2.588541	0	
173	N174	-6.183183	5.541667	2.588541	0	
174	N176	-6.42501	3.416667	3.507397	0	
175	N177	-0.17501	3.416667	-7.31792	0	
176	N178	-5.966677	3.416667	2.713541	0	
177	N179	-6.183183	3.416667	2.588541	0	
178	N180	-0.67501	3.416667	-6.451895	0	
179	N181	-0.891516	3.416667	-6.576895	0	
180	N182	-4.216677	3.416667	-0.317548	0	
181	N183	-4.433183	3.416667	-0.442548	0	
182	N184	-2.42501	3.416667	-3.420806	0	
183	N185	-2.641516	3.416667	-3.545806	0	
184	N186	-5.841677	3.416667	2.497034	0	
185	N187	-0.758343	3.416667	-6.307557	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N188	-5.697339	3.416667	2.580368	0	
187	N189	-0.614006	3.416667	-6.224224	0	
188	N188A	0	0	-2.041667	0	
189	N189A	0	0.166667	-2.041667	0	
190	N190	0	3.166667	-2.041667	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Support Rail	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Standoff Horizontal	HSS4X4X4	Beam	SquareTu...	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
4	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
5	Platform Crossme...	HSS4X4X4	Beam	SquareTu...	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
6	Grating Support	L2x2x3	Beam	Single An...	A36 Gr.36	Typical	.722	.271	.271	.009
7	Support Rail Corn...	L3X3X4	Beam	Single An...	A36 Gr.36	Typical	1.44	1.23	1.23	.031
8	Kickers	LL2.5x2.5x3x6	Beam	Single An...	A36 Gr.36	Typical	1.8	3.09	1.07	.023
9	TES Kickers	LL2.5x2.5x3x0	Beam	Single An...	A36 Gr.36	Typical	1.8	1.91	1.07	.023
10	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
11	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	M21	N12	N13			RIGID	None	None	RIGID	Typical
7	M22	N14	N15			RIGID	None	None	RIGID	Typical
8	MP3A	N17	N16			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
9	MP4A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	MP2A	N21	N20			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
12	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
13	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
14	M35A	N7	N30			RIGID	None	None	RIGID	Typical
15	M36A	N6	N29			RIGID	None	None	RIGID	Typical
16	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
17	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
18	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
19	M58	N102	N24			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
20	M59	N24	N103A			RIGID	None	None	RIGID	Typical
21	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
23	M79	N131	N86A			RIGID	None	None	RIGID	Typical
24	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
25	M83	N135	N86D			RIGID	None	None	RIGID	Typical
26	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
27	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
28	M88	N144	N86B			RIGID	None	None	RIGID	Typical
29	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
30	M92	N148	N86E			RIGID	None	None	RIGID	Typical
31	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
32	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
33	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
34	M52A	N87D	N92			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
35	M53	N95	N97			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
36	M54	N96	N88B			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
37	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr.36	Typical
38	M56	N90	N94			RIGID	None	None	RIGID	Typical
39	M57	N89	N93			RIGID	None	None	RIGID	Typical
40	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
41	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
42	M60	N113	N114			RIGID	None	None	RIGID	Typical
43	M61	N96	N91			RIGID	None	None	RIGID	Typical
44	M62	N91	N97			RIGID	None	None	RIGID	Typical
45	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
47	M65	N100	N104			RIGID	None	None	RIGID	Typical
48	M66	N107	N101A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
49	M67	N101A	N108			RIGID	None	None	RIGID	Typical
50	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
51	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
52	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
53	M71	N106	N103			Corner Plate	Beam	BAR	A36 Gr.36	Typical
54	M72	N103	N109			RIGID	None	None	RIGID	Typical
55	M73	N114	N110			RIGID	None	None	RIGID	Typical
56	M74	N110	N112			RIGID	None	None	RIGID	Typical
57	M75	N111	N112			RIGID	None	None	RIGID	Typical
58	M76A	N115	N120			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
59	M77A	N123	N125			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
60	M78	N124	N116			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
61	M79A	N134	N135A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
62	M80A	N118	N122			RIGID	None	None	RIGID	Typical
63	M81	N117	N121			RIGID	None	None	RIGID	Typical
64	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
65	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
66	M84A	N141	N142			RIGID	None	None	RIGID	Typical
67	M85A	N124	N119			RIGID	None	None	RIGID	Typical
68	M86	N119	N125			RIGID	None	None	RIGID	Typical
69	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
70	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
71	M89	N128	N132			RIGID	None	None	RIGID	Typical
72	M90	N135A	N129			Corner Plate	Beam	BAR	A36 Gr.36	Typical
73	M91A	N129	N136			RIGID	None	None	RIGID	Typical
74	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
75	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
76	M94	N130	N133			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
77	M95	N134	N131A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
78	M96	N131A	N137			RIGID	None	None	RIGID	Typical
79	M97	N142	N138			RIGID	None	None	RIGID	Typical
80	M98	N138	N140			RIGID	None	None	RIGID	Typical
81	M99	N139	N140			RIGID	None	None	RIGID	Typical
82	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
83	M91B	N124A	N125A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
84	M100	N144A	N145			Kickers	Beam	Single Angle	A36 Gr.36	Typical
85	M101	N147	N148A			Kickers	Beam	Single Angle	A36 Gr.36	Typical
86	M102	N150	N151			Kickers	Beam	Single Angle	A36 Gr.36	Typical
87	M103	N150A	N151A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
88	M88B	N118A	N119A			RIGID	None	None	RIGID	Typical
89	M89A	N120A	N121A			RIGID	None	None	RIGID	Typical
90	M90A	N122A	N123A			RIGID	None	None	RIGID	Typical
91	M91C	N124B	N125B			RIGID	None	None	RIGID	Typical
92	M92B	N127A	N129A			RIGID	None	None	RIGID	Typical
93	M93A	N126A	N128A			RIGID	None	None	RIGID	Typical
94	M94A	N128B	N129B			RIGID	None	None	RIGID	Typical
95	M95A	N130A	N131B			RIGID	None	None	RIGID	Typical
96	M96A	N132A	N133A			RIGID	None	None	RIGID	Typical
97	M97A	N134A	N135B			RIGID	None	None	RIGID	Typical
98	MP3C	N137A	N136A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	MP4C	N139A	N138A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	MP2C	N141A	N140A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
101	MP1C	N143	N142A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	M102A	N145A	N146			Support Rail	Beam	Pipe	A53 Gr.B	Typical
103	M103A	N147A	N148B			RIGID	None	None	RIGID	Typical
104	M104	N149	N150B			RIGID	None	None	RIGID	Typical
105	M105	N151B	N152			RIGID	None	None	RIGID	Typical
106	M106	N153	N154			RIGID	None	None	RIGID	Typical
107	M107	N156	N158			RIGID	None	None	RIGID	Typical
108	M108	N155	N157			RIGID	None	None	RIGID	Typical
109	M109	N159	N160			RIGID	None	None	RIGID	Typical
110	M110	N161	N162			RIGID	None	None	RIGID	Typical
111	M111	N163	N164			RIGID	None	None	RIGID	Typical
112	M112	N165	N166			RIGID	None	None	RIGID	Typical
113	MP3B	N168	N167			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
114	MP4B	N170	N169			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
115	MP2B	N172	N171			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
116	MP1B	N174	N173			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
117	M117	N176	N177			Support Rail	Beam	Pipe	A53 Gr.B	Typical
118	M118	N178	N179			RIGID	None	None	RIGID	Typical
119	M119	N180	N181			RIGID	None	None	RIGID	Typical
120	M120	N182	N183			RIGID	None	None	RIGID	Typical
121	M121	N184	N185			RIGID	None	None	RIGID	Typical
122	M122	N187	N189			RIGID	None	None	RIGID	Typical
123	M123	N186	N188			RIGID	None	None	RIGID	Typical
124	M124	N188A	N189A			RIGID	None	None	RIGID	Typical
125	OVP	N190	N189A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
126	M126	N128A	N158		90	Support Rail C..	Beam	Single Angle	A36 Gr.36	Typical
127	M127	N188	N129A		90	Support Rail C..	Beam	Single Angle	A36 Gr.36	Typical
128	M128	N157	N189		90	Support Rail C..	Beam	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	Default			None
2	M4						Yes				None
3	M10						Yes	Default			None
4	M19						Yes	** NA **			None
5	M20						Yes	** NA **			None
6	M21						Yes	** NA **			None
7	M22						Yes	** NA **			None
8	MP3A						Yes	** NA **			None
9	MP4A						Yes	** NA **			None
10	MP2A						Yes	** NA **			None
11	MP1A						Yes	** NA **			None
12	M43						Yes	Default			None
13	M46						Yes	Default			None
14	M35A						Yes	** NA **			None
15	M36A						Yes	** NA **			None
16	M51B	OOOOOX	OOOOOX				Yes	Default			None
17	M52B	OOOOOX	OOOOOX				Yes	Default			None
18	M52						Yes	** NA **			None
19	M58						Yes	** NA **			None
20	M59						Yes	** NA **			None
21	M76						Yes	** NA **			None
22	M77						Yes	** NA **			None
23	M79		BenPIN				Yes	** NA **			None
24	M80						Yes				None
25	M83		BenPIN				Yes	** NA **			None
26	M84						Yes	** NA **			None
27	M85						Yes	** NA **			None
28	M88		BenPIN				Yes	** NA **			None
29	M91						Yes				None
30	M92		BenPIN				Yes	** NA **			None
31	M50						Yes	** NA **			None
32	M51						Yes	** NA **			None
33	M51A						Yes	** NA **			None
34	M52A						Yes				None
35	M53						Yes	Default			None
36	M54						Yes	Default			None
37	M55						Yes	Default			None
38	M56						Yes	** NA **			None
39	M57						Yes	** NA **			None
40	M58A	OOOOOX	OOOOOX				Yes	Default			None
41	M59A	OOOOOX	OOOOOX				Yes	Default			None
42	M60						Yes	** NA **			None
43	M61						Yes	** NA **			None
44	M62						Yes	** NA **			None
45	M63						Yes	** NA **			None
46	M64						Yes	** NA **			None
47	M65		BenPIN				Yes	** NA **			None
48	M66						Yes				None
49	M67		BenPIN				Yes	** NA **			None
50	M68						Yes	** NA **			None
51	M69						Yes	** NA **			None
52	M70		BenPIN				Yes	** NA **			None
53	M71						Yes				None
54	M72		BenPIN				Yes	** NA **			None
55	M73						Yes	** NA **			None
56	M74						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...
57	M75						Yes	** NA **			None
58	M76A						Yes				None
59	M77A						Yes	Default			None
60	M78						Yes	Default			None
61	M79A						Yes	Default			None
62	M80A						Yes	** NA **			None
63	M81						Yes	** NA **			None
64	M82	OOOOOX	OOOOOX				Yes	Default			None
65	M83A	OOOOOX	OOOOOX				Yes	Default			None
66	M84A						Yes	** NA **			None
67	M85A						Yes	** NA **			None
68	M86						Yes	** NA **			None
69	M87						Yes	** NA **			None
70	M88A						Yes	** NA **			None
71	M89		BenPIN				Yes	** NA **			None
72	M90						Yes				None
73	M91A		BenPIN				Yes	** NA **			None
74	M92A						Yes	** NA **			None
75	M93						Yes	** NA **			None
76	M94		BenPIN				Yes	** NA **			None
77	M95						Yes				None
78	M96		BenPIN				Yes	** NA **			None
79	M97						Yes	** NA **			None
80	M98						Yes	** NA **			None
81	M99						Yes	** NA **			None
82	M82A						Yes	Default			None
83	M91B						Yes	Default			None
84	M100	BenPIN	BenPIN				Yes				None
85	M101	BenPIN	BenPIN				Yes				None
86	M102	BenPIN	BenPIN				Yes				None
87	M103						Yes	Default			None
88	M88B						Yes	** NA **			None
89	M89A						Yes	** NA **			None
90	M90A						Yes	** NA **			None
91	M91C						Yes	** NA **			None
92	M92B	OOOOOX					Yes	** NA **			None
93	M93A	OOOOOX					Yes	** NA **			None
94	M94A						Yes	** NA **			None
95	M95A						Yes	** NA **			None
96	M96A						Yes	** NA **			None
97	M97A						Yes	** NA **			None
98	MP3C						Yes	** NA **			None
99	MP4C						Yes	** NA **			None
100	MP2C						Yes	** NA **			None
101	MP1C						Yes	** NA **			None
102	M102A						Yes	Default			None
103	M103A						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107	OOOOOX					Yes	** NA **			None
108	M108	OOOOOX					Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	MP3B						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...
114	MP4B						Yes	** NA **			None
115	MP2B						Yes	** NA **			None
116	MP1B						Yes	** NA **			None
117	M117						Yes	Default			None
118	M118						Yes	** NA **			None
119	M119						Yes	** NA **			None
120	M120						Yes	** NA **			None
121	M121						Yes	** NA **			None
122	M122	OOOOOX					Yes	** NA **			None
123	M123	OOOOOX					Yes	** NA **			None
124	M124						Yes	** NA **			None
125	OVP						Yes	** NA **			None
126	M126						Yes				None
127	M127						Yes				None
128	M128						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-43.55	2.5
2	MP4A	My	-.022	2.5
3	MP4A	Mz	0	2.5
4	MP4A	Y	-43.55	4.5
5	MP4A	My	-.022	4.5
6	MP4A	Mz	0	4.5
7	MP4B	Y	-43.55	2.5
8	MP4B	My	-.022	2.5
9	MP4B	Mz	0	2.5
10	MP4B	Y	-43.55	4.5
11	MP4B	My	-.022	4.5
12	MP4B	Mz	0	4.5
13	MP4C	Y	-43.55	2.5
14	MP4C	My	-.022	2.5
15	MP4C	Mz	0	2.5
16	MP4C	Y	-43.55	4.5
17	MP4C	My	-.022	4.5
18	MP4C	Mz	0	4.5
19	MP2A	Y	-74.7	4
20	MP2A	My	.037	4
21	MP2A	Mz	0	4
22	MP2B	Y	-74.7	4
23	MP2B	My	-.019	4
24	MP2B	Mz	.032	4
25	MP2C	Y	-74.7	4
26	MP2C	My	-.019	4
27	MP2C	Mz	-.032	4
28	MP3A	Y	-70.3	4
29	MP3A	My	.035	4
30	MP3A	Mz	0	4
31	MP3B	Y	-70.3	4
32	MP3B	My	-.018	4
33	MP3B	Mz	.03	4
34	MP3C	Y	-70.3	4
35	MP3C	My	-.018	4
36	MP3C	Mz	-.03	4
37	MP2A	Y	-20	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP2A	My	-.01	1
39	MP2A	Mz	.013	1
40	MP2A	Y	-20	6
41	MP2A	My	-.01	6
42	MP2A	Mz	.013	6
43	MP2B	Y	-20	1
44	MP2B	My	-.007	1
45	MP2B	Mz	-.015	1
46	MP2B	Y	-20	6
47	MP2B	My	-.007	6
48	MP2B	Mz	-.015	6
49	MP2C	Y	-20	1
50	MP2C	My	.017	1
51	MP2C	Mz	.002	1
52	MP2C	Y	-20	6
53	MP2C	My	.017	6
54	MP2C	Mz	.002	6
55	MP2A	Y	-20	1
56	MP2A	My	-.01	1
57	MP2A	Mz	-.013	1
58	MP2A	Y	-20	6
59	MP2A	My	-.01	6
60	MP2A	Mz	-.013	6
61	MP2B	Y	-20	1
62	MP2B	My	.017	1
63	MP2B	Mz	-.002	1
64	MP2B	Y	-20	6
65	MP2B	My	.017	6
66	MP2B	Mz	-.002	6
67	MP2C	Y	-20	1
68	MP2C	My	-.007	1
69	MP2C	Mz	.015	1
70	MP2C	Y	-20	6
71	MP2C	My	-.007	6
72	MP2C	Mz	.015	6
73	MP3A	Y	-20	1
74	MP3A	My	-.01	1
75	MP3A	Mz	0	1
76	MP3A	Y	-20	6
77	MP3A	My	-.01	6
78	MP3A	Mz	0	6
79	MP3B	Y	-20	1
80	MP3B	My	.005	1
81	MP3B	Mz	-.009	1
82	MP3B	Y	-20	6
83	MP3B	My	.005	6
84	MP3B	Mz	-.009	6
85	MP3C	Y	-20	1
86	MP3C	My	.005	1
87	MP3C	Mz	.009	1
88	MP3C	Y	-20	6
89	MP3C	My	.005	6
90	MP3C	Mz	.009	6
91	OVP	Y	-32	1
92	OVP	My	0	1
93	OVP	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-35.831	2.5
2	MP4A	My	-.018	2.5
3	MP4A	Mz	0	2.5
4	MP4A	Y	-35.831	4.5
5	MP4A	My	-.018	4.5
6	MP4A	Mz	0	4.5
7	MP4B	Y	-35.831	2.5
8	MP4B	My	-.018	2.5
9	MP4B	Mz	0	2.5
10	MP4B	Y	-35.831	4.5
11	MP4B	My	-.018	4.5
12	MP4B	Mz	0	4.5
13	MP4C	Y	-35.831	2.5
14	MP4C	My	-.018	2.5
15	MP4C	Mz	0	2.5
16	MP4C	Y	-35.831	4.5
17	MP4C	My	-.018	4.5
18	MP4C	Mz	0	4.5
19	MP2A	Y	-45.179	4
20	MP2A	My	.023	4
21	MP2A	Mz	0	4
22	MP2B	Y	-45.179	4
23	MP2B	My	-.011	4
24	MP2B	Mz	.02	4
25	MP2C	Y	-45.179	4
26	MP2C	My	-.011	4
27	MP2C	Mz	-.02	4
28	MP3A	Y	-43.025	4
29	MP3A	My	.022	4
30	MP3A	Mz	0	4
31	MP3B	Y	-43.025	4
32	MP3B	My	-.011	4
33	MP3B	Mz	.019	4
34	MP3C	Y	-43.025	4
35	MP3C	My	-.011	4
36	MP3C	Mz	-.019	4
37	MP2A	Y	-61.432	1
38	MP2A	My	-.031	1
39	MP2A	Mz	.041	1
40	MP2A	Y	-61.432	6
41	MP2A	My	-.031	6
42	MP2A	Mz	.041	6
43	MP2B	Y	-61.432	1
44	MP2B	My	-.02	1
45	MP2B	Mz	-.047	1
46	MP2B	Y	-61.432	6
47	MP2B	My	-.02	6
48	MP2B	Mz	-.047	6
49	MP2C	Y	-61.432	1
50	MP2C	My	.051	1
51	MP2C	Mz	.006	1
52	MP2C	Y	-61.432	6
53	MP2C	My	.051	6
54	MP2C	Mz	.006	6
55	MP2A	Y	-61.432	1
56	MP2A	My	-.031	1
57	MP2A	Mz	-.041	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	Y	-61.432	6
59	MP2A	My	-.031	6
60	MP2A	Mz	-.041	6
61	MP2B	Y	-61.432	1
62	MP2B	My	.051	1
63	MP2B	Mz	-.006	1
64	MP2B	Y	-61.432	6
65	MP2B	My	.051	6
66	MP2B	Mz	-.006	6
67	MP2C	Y	-61.432	1
68	MP2C	My	-.02	1
69	MP2C	Mz	.047	1
70	MP2C	Y	-61.432	6
71	MP2C	My	-.02	6
72	MP2C	Mz	.047	6
73	MP3A	Y	-61.432	1
74	MP3A	My	-.031	1
75	MP3A	Mz	0	1
76	MP3A	Y	-61.432	6
77	MP3A	My	-.031	6
78	MP3A	Mz	0	6
79	MP3B	Y	-61.432	1
80	MP3B	My	.015	1
81	MP3B	Mz	-.027	1
82	MP3B	Y	-61.432	6
83	MP3B	My	.015	6
84	MP3B	Mz	-.027	6
85	MP3C	Y	-61.432	1
86	MP3C	My	.015	1
87	MP3C	Mz	.027	1
88	MP3C	Y	-61.432	6
89	MP3C	My	.015	6
90	MP3C	Mz	.027	6
91	OVP	Y	-88.442	1
92	OVP	My	0	1
93	OVP	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.5
2	MP4A	Z	-86.343	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	-86.343	4.5
6	MP4A	Mx	0	4.5
7	MP4B	X	0	2.5
8	MP4B	Z	-86.343	2.5
9	MP4B	Mx	0	2.5
10	MP4B	X	0	4.5
11	MP4B	Z	-86.343	4.5
12	MP4B	Mx	0	4.5
13	MP4C	X	0	2.5
14	MP4C	Z	-86.343	2.5
15	MP4C	Mx	0	2.5
16	MP4C	X	0	4.5
17	MP4C	Z	-86.343	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4C	Mx	0	4.5
19	MP2A	X	0	4
20	MP2A	Z	-68.707	4
21	MP2A	Mx	0	4
22	MP2B	X	0	4
23	MP2B	Z	-51.622	4
24	MP2B	Mx	-.022	4
25	MP2C	X	0	4
26	MP2C	Z	-51.622	4
27	MP2C	Mx	.022	4
28	MP3A	X	0	4
29	MP3A	Z	-68.707	4
30	MP3A	Mx	0	4
31	MP3B	X	0	4
32	MP3B	Z	-48.522	4
33	MP3B	Mx	-.021	4
34	MP3C	X	0	4
35	MP3C	Z	-48.522	4
36	MP3C	Mx	.021	4
37	MP2A	X	0	1
38	MP2A	Z	-149.907	1
39	MP2A	Mx	-.1	1
40	MP2A	X	0	6
41	MP2A	Z	-149.907	6
42	MP2A	Mx	-.1	6
43	MP2B	X	0	1
44	MP2B	Z	-111.827	1
45	MP2B	Mx	.086	1
46	MP2B	X	0	6
47	MP2B	Z	-111.827	6
48	MP2B	Mx	.086	6
49	MP2C	X	0	1
50	MP2C	Z	-111.827	1
51	MP2C	Mx	-.011	1
52	MP2C	X	0	6
53	MP2C	Z	-111.827	6
54	MP2C	Mx	-.011	6
55	MP2A	X	0	1
56	MP2A	Z	-149.907	1
57	MP2A	Mx	.1	1
58	MP2A	X	0	6
59	MP2A	Z	-149.907	6
60	MP2A	Mx	.1	6
61	MP2B	X	0	1
62	MP2B	Z	-111.827	1
63	MP2B	Mx	.011	1
64	MP2B	X	0	6
65	MP2B	Z	-111.827	6
66	MP2B	Mx	.011	6
67	MP2C	X	0	1
68	MP2C	Z	-111.827	1
69	MP2C	Mx	-.086	1
70	MP2C	X	0	6
71	MP2C	Z	-111.827	6
72	MP2C	Mx	-.086	6
73	MP3A	X	0	1
74	MP3A	Z	-149.907	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	0	1
76	MP3A	X	0	6
77	MP3A	Z	-149.907	6
78	MP3A	Mx	0	6
79	MP3B	X	0	1
80	MP3B	Z	-111.827	1
81	MP3B	Mx	.048	1
82	MP3B	X	0	6
83	MP3B	Z	-111.827	6
84	MP3B	Mx	.048	6
85	MP3C	X	0	1
86	MP3C	Z	-111.827	1
87	MP3C	Mx	-.048	1
88	MP3C	X	0	6
89	MP3C	Z	-111.827	6
90	MP3C	Mx	-.048	6
91	OVP	X	0	1
92	OVP	Z	-149.172	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	36.604	2.5
2	MP4A	Z	-63.4	2.5
3	MP4A	Mx	-.018	2.5
4	MP4A	X	36.604	4.5
5	MP4A	Z	-63.4	4.5
6	MP4A	Mx	-.018	4.5
7	MP4B	X	36.604	2.5
8	MP4B	Z	-63.4	2.5
9	MP4B	Mx	-.018	2.5
10	MP4B	X	36.604	4.5
11	MP4B	Z	-63.4	4.5
12	MP4B	Mx	-.018	4.5
13	MP4C	X	36.604	2.5
14	MP4C	Z	-63.4	2.5
15	MP4C	Mx	-.018	2.5
16	MP4C	X	36.604	4.5
17	MP4C	Z	-63.4	4.5
18	MP4C	Mx	-.018	4.5
19	MP2A	X	31.506	4
20	MP2A	Z	-54.57	4
21	MP2A	Mx	.016	4
22	MP2B	X	22.964	4
23	MP2B	Z	-39.774	4
24	MP2B	Mx	-.023	4
25	MP2C	X	31.506	4
26	MP2C	Z	-54.57	4
27	MP2C	Mx	.016	4
28	MP3A	X	30.989	4
29	MP3A	Z	-53.675	4
30	MP3A	Mx	.015	4
31	MP3B	X	20.897	4
32	MP3B	Z	-36.195	4
33	MP3B	Mx	-.021	4
34	MP3C	X	30.989	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	-53.675	4
36	MP3C	Mx	.015	4
37	MP2A	X	68.607	1
38	MP2A	Z	-118.83	1
39	MP2A	Mx	-.114	1
40	MP2A	X	68.607	6
41	MP2A	Z	-118.83	6
42	MP2A	Mx	-.114	6
43	MP2B	X	49.567	1
44	MP2B	Z	-85.853	1
45	MP2B	Mx	.05	1
46	MP2B	X	49.567	6
47	MP2B	Z	-85.853	6
48	MP2B	Mx	.05	6
49	MP2C	X	68.607	1
50	MP2C	Z	-118.83	1
51	MP2C	Mx	.045	1
52	MP2C	X	68.607	6
53	MP2C	Z	-118.83	6
54	MP2C	Mx	.045	6
55	MP2A	X	68.607	1
56	MP2A	Z	-118.83	1
57	MP2A	Mx	.045	1
58	MP2A	X	68.607	6
59	MP2A	Z	-118.83	6
60	MP2A	Mx	.045	6
61	MP2B	X	49.567	1
62	MP2B	Z	-85.853	1
63	MP2B	Mx	.05	1
64	MP2B	X	49.567	6
65	MP2B	Z	-85.853	6
66	MP2B	Mx	.05	6
67	MP2C	X	68.607	1
68	MP2C	Z	-118.83	1
69	MP2C	Mx	-.114	1
70	MP2C	X	68.607	6
71	MP2C	Z	-118.83	6
72	MP2C	Mx	-.114	6
73	MP3A	X	68.607	1
74	MP3A	Z	-118.83	1
75	MP3A	Mx	-.034	1
76	MP3A	X	68.607	6
77	MP3A	Z	-118.83	6
78	MP3A	Mx	-.034	6
79	MP3B	X	49.567	1
80	MP3B	Z	-85.853	1
81	MP3B	Mx	.05	1
82	MP3B	X	49.567	6
83	MP3B	Z	-85.853	6
84	MP3B	Mx	.05	6
85	MP3C	X	68.607	1
86	MP3C	Z	-118.83	1
87	MP3C	Mx	-.034	1
88	MP3C	X	68.607	6
89	MP3C	Z	-118.83	6
90	MP3C	Mx	-.034	6
91	OVP	X	70.165	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	OVP	Z	-121.53	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	40.65	2.5
2	MP4A	Z	-23.469	2.5
3	MP4A	Mx	-.02	2.5
4	MP4A	X	40.65	4.5
5	MP4A	Z	-23.469	4.5
6	MP4A	Mx	-.02	4.5
7	MP4B	X	40.65	2.5
8	MP4B	Z	-23.469	2.5
9	MP4B	Mx	-.02	2.5
10	MP4B	X	40.65	4.5
11	MP4B	Z	-23.469	4.5
12	MP4B	Mx	-.02	4.5
13	MP4C	X	40.65	2.5
14	MP4C	Z	-23.469	2.5
15	MP4C	Mx	-.02	2.5
16	MP4C	X	40.65	4.5
17	MP4C	Z	-23.469	4.5
18	MP4C	Mx	-.02	4.5
19	MP2A	X	44.706	4
20	MP2A	Z	-25.811	4
21	MP2A	Mx	.022	4
22	MP2B	X	44.706	4
23	MP2B	Z	-25.811	4
24	MP2B	Mx	-.022	4
25	MP2C	X	59.502	4
26	MP2C	Z	-34.354	4
27	MP2C	Mx	0	4
28	MP3A	X	42.021	4
29	MP3A	Z	-24.261	4
30	MP3A	Mx	.021	4
31	MP3B	X	42.021	4
32	MP3B	Z	-24.261	4
33	MP3B	Mx	-.021	4
34	MP3C	X	59.502	4
35	MP3C	Z	-34.354	4
36	MP3C	Mx	0	4
37	MP2A	X	96.845	1
38	MP2A	Z	-55.914	1
39	MP2A	Mx	-.086	1
40	MP2A	X	96.845	6
41	MP2A	Z	-55.914	6
42	MP2A	Mx	-.086	6
43	MP2B	X	96.845	1
44	MP2B	Z	-55.914	1
45	MP2B	Mx	.011	1
46	MP2B	X	96.845	6
47	MP2B	Z	-55.914	6
48	MP2B	Mx	.011	6
49	MP2C	X	129.823	1
50	MP2C	Z	-74.953	1
51	MP2C	Mx	.1	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2C	X	129.823	6
53	MP2C	Z	-74.953	6
54	MP2C	Mx	.1	6
55	MP2A	X	96.845	1
56	MP2A	Z	-55.914	1
57	MP2A	Mx	-.011	1
58	MP2A	X	96.845	6
59	MP2A	Z	-55.914	6
60	MP2A	Mx	-.011	6
61	MP2B	X	96.845	1
62	MP2B	Z	-55.914	1
63	MP2B	Mx	.086	1
64	MP2B	X	96.845	6
65	MP2B	Z	-55.914	6
66	MP2B	Mx	.086	6
67	MP2C	X	129.823	1
68	MP2C	Z	-74.953	1
69	MP2C	Mx	-.1	1
70	MP2C	X	129.823	6
71	MP2C	Z	-74.953	6
72	MP2C	Mx	-.1	6
73	MP3A	X	96.845	1
74	MP3A	Z	-55.914	1
75	MP3A	Mx	-.048	1
76	MP3A	X	96.845	6
77	MP3A	Z	-55.914	6
78	MP3A	Mx	-.048	6
79	MP3B	X	96.845	1
80	MP3B	Z	-55.914	1
81	MP3B	Mx	.048	1
82	MP3B	X	96.845	6
83	MP3B	Z	-55.914	6
84	MP3B	Mx	.048	6
85	MP3C	X	129.823	1
86	MP3C	Z	-74.953	1
87	MP3C	Mx	0	1
88	MP3C	X	129.823	6
89	MP3C	Z	-74.953	6
90	MP3C	Mx	0	6
91	OVP	X	106.217	1
92	OVP	Z	-61.324	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	33.803	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	-.017	2.5
4	MP4A	X	33.803	4.5
5	MP4A	Z	0	4.5
6	MP4A	Mx	-.017	4.5
7	MP4B	X	33.803	2.5
8	MP4B	Z	0	2.5
9	MP4B	Mx	-.017	2.5
10	MP4B	X	33.803	4.5
11	MP4B	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4B	Mx	-.017	4.5
13	MP4C	X	33.803	2.5
14	MP4C	Z	0	2.5
15	MP4C	Mx	-.017	2.5
16	MP4C	X	33.803	4.5
17	MP4C	Z	0	4.5
18	MP4C	Mx	-.017	4.5
19	MP2A	X	45.927	4
20	MP2A	Z	0	4
21	MP2A	Mx	.023	4
22	MP2B	X	63.012	4
23	MP2B	Z	0	4
24	MP2B	Mx	-.016	4
25	MP2C	X	63.012	4
26	MP2C	Z	0	4
27	MP2C	Mx	-.016	4
28	MP3A	X	41.794	4
29	MP3A	Z	0	4
30	MP3A	Mx	.021	4
31	MP3B	X	61.979	4
32	MP3B	Z	0	4
33	MP3B	Mx	-.015	4
34	MP3C	X	61.979	4
35	MP3C	Z	0	4
36	MP3C	Mx	-.015	4
37	MP2A	X	99.134	1
38	MP2A	Z	0	1
39	MP2A	Mx	-.05	1
40	MP2A	X	99.134	6
41	MP2A	Z	0	6
42	MP2A	Mx	-.05	6
43	MP2B	X	137.214	1
44	MP2B	Z	0	1
45	MP2B	Mx	-.045	1
46	MP2B	X	137.214	6
47	MP2B	Z	0	6
48	MP2B	Mx	-.045	6
49	MP2C	X	137.214	1
50	MP2C	Z	0	1
51	MP2C	Mx	.114	1
52	MP2C	X	137.214	6
53	MP2C	Z	0	6
54	MP2C	Mx	.114	6
55	MP2A	X	99.134	1
56	MP2A	Z	0	1
57	MP2A	Mx	-.05	1
58	MP2A	X	99.134	6
59	MP2A	Z	0	6
60	MP2A	Mx	-.05	6
61	MP2B	X	137.214	1
62	MP2B	Z	0	1
63	MP2B	Mx	.114	1
64	MP2B	X	137.214	6
65	MP2B	Z	0	6
66	MP2B	Mx	.114	6
67	MP2C	X	137.214	1
68	MP2C	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2C	Mx	-.045	1
70	MP2C	X	137.214	6
71	MP2C	Z	0	6
72	MP2C	Mx	-.045	6
73	MP3A	X	99.134	1
74	MP3A	Z	0	1
75	MP3A	Mx	-.05	1
76	MP3A	X	99.134	6
77	MP3A	Z	0	6
78	MP3A	Mx	-.05	6
79	MP3B	X	137.214	1
80	MP3B	Z	0	1
81	MP3B	Mx	.034	1
82	MP3B	X	137.214	6
83	MP3B	Z	0	6
84	MP3B	Mx	.034	6
85	MP3C	X	137.214	1
86	MP3C	Z	0	1
87	MP3C	Mx	.034	1
88	MP3C	X	137.214	6
89	MP3C	Z	0	6
90	MP3C	Mx	.034	6
91	OVP	X	113.808	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	40.65	2.5
2	MP4A	Z	23.469	2.5
3	MP4A	Mx	-.02	2.5
4	MP4A	X	40.65	4.5
5	MP4A	Z	23.469	4.5
6	MP4A	Mx	-.02	4.5
7	MP4B	X	40.65	2.5
8	MP4B	Z	23.469	2.5
9	MP4B	Mx	-.02	2.5
10	MP4B	X	40.65	4.5
11	MP4B	Z	23.469	4.5
12	MP4B	Mx	-.02	4.5
13	MP4C	X	40.65	2.5
14	MP4C	Z	23.469	2.5
15	MP4C	Mx	-.02	2.5
16	MP4C	X	40.65	4.5
17	MP4C	Z	23.469	4.5
18	MP4C	Mx	-.02	4.5
19	MP2A	X	44.706	4
20	MP2A	Z	25.811	4
21	MP2A	Mx	.022	4
22	MP2B	X	59.502	4
23	MP2B	Z	34.354	4
24	MP2B	Mx	0	4
25	MP2C	X	44.706	4
26	MP2C	Z	25.811	4
27	MP2C	Mx	-.022	4
28	MP3A	X	42.021	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3A	Z	24.261	4
30	MP3A	Mx	.021	4
31	MP3B	X	59.502	4
32	MP3B	Z	34.354	4
33	MP3B	Mx	0	4
34	MP3C	X	42.021	4
35	MP3C	Z	24.261	4
36	MP3C	Mx	-.021	4
37	MP2A	X	96.845	1
38	MP2A	Z	55.914	1
39	MP2A	Mx	-.011	1
40	MP2A	X	96.845	6
41	MP2A	Z	55.914	6
42	MP2A	Mx	-.011	6
43	MP2B	X	129.823	1
44	MP2B	Z	74.953	1
45	MP2B	Mx	-.1	1
46	MP2B	X	129.823	6
47	MP2B	Z	74.953	6
48	MP2B	Mx	-.1	6
49	MP2C	X	96.845	1
50	MP2C	Z	55.914	1
51	MP2C	Mx	.086	1
52	MP2C	X	96.845	6
53	MP2C	Z	55.914	6
54	MP2C	Mx	.086	6
55	MP2A	X	96.845	1
56	MP2A	Z	55.914	1
57	MP2A	Mx	-.086	1
58	MP2A	X	96.845	6
59	MP2A	Z	55.914	6
60	MP2A	Mx	-.086	6
61	MP2B	X	129.823	1
62	MP2B	Z	74.953	1
63	MP2B	Mx	.1	1
64	MP2B	X	129.823	6
65	MP2B	Z	74.953	6
66	MP2B	Mx	.1	6
67	MP2C	X	96.845	1
68	MP2C	Z	55.914	1
69	MP2C	Mx	.011	1
70	MP2C	X	96.845	6
71	MP2C	Z	55.914	6
72	MP2C	Mx	.011	6
73	MP3A	X	96.845	1
74	MP3A	Z	55.914	1
75	MP3A	Mx	-.048	1
76	MP3A	X	96.845	6
77	MP3A	Z	55.914	6
78	MP3A	Mx	-.048	6
79	MP3B	X	129.823	1
80	MP3B	Z	74.953	1
81	MP3B	Mx	0	1
82	MP3B	X	129.823	6
83	MP3B	Z	74.953	6
84	MP3B	Mx	0	6
85	MP3C	X	96.845	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP3C	Z	55.914	1
87	MP3C	Mx	.048	1
88	MP3C	X	96.845	6
89	MP3C	Z	55.914	6
90	MP3C	Mx	.048	6
91	OVP	X	106.217	1
92	OVP	Z	61.324	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	36.604	2.5
2	MP4A	Z	63.4	2.5
3	MP4A	Mx	-.018	2.5
4	MP4A	X	36.604	4.5
5	MP4A	Z	63.4	4.5
6	MP4A	Mx	-.018	4.5
7	MP4B	X	36.604	2.5
8	MP4B	Z	63.4	2.5
9	MP4B	Mx	-.018	2.5
10	MP4B	X	36.604	4.5
11	MP4B	Z	63.4	4.5
12	MP4B	Mx	-.018	4.5
13	MP4C	X	36.604	2.5
14	MP4C	Z	63.4	2.5
15	MP4C	Mx	-.018	2.5
16	MP4C	X	36.604	4.5
17	MP4C	Z	63.4	4.5
18	MP4C	Mx	-.018	4.5
19	MP2A	X	31.506	4
20	MP2A	Z	54.57	4
21	MP2A	Mx	.016	4
22	MP2B	X	31.506	4
23	MP2B	Z	54.57	4
24	MP2B	Mx	.016	4
25	MP2C	X	22.964	4
26	MP2C	Z	39.774	4
27	MP2C	Mx	-.023	4
28	MP3A	X	30.989	4
29	MP3A	Z	53.675	4
30	MP3A	Mx	.015	4
31	MP3B	X	30.989	4
32	MP3B	Z	53.675	4
33	MP3B	Mx	.015	4
34	MP3C	X	20.897	4
35	MP3C	Z	36.195	4
36	MP3C	Mx	-.021	4
37	MP2A	X	68.607	1
38	MP2A	Z	118.83	1
39	MP2A	Mx	.045	1
40	MP2A	X	68.607	6
41	MP2A	Z	118.83	6
42	MP2A	Mx	.045	6
43	MP2B	X	68.607	1
44	MP2B	Z	118.83	1
45	MP2B	Mx	-.114	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	X	68.607	6
47	MP2B	Z	118.83	6
48	MP2B	Mx	-.114	6
49	MP2C	X	49.567	1
50	MP2C	Z	85.853	1
51	MP2C	Mx	.05	1
52	MP2C	X	49.567	6
53	MP2C	Z	85.853	6
54	MP2C	Mx	.05	6
55	MP2A	X	68.607	1
56	MP2A	Z	118.83	1
57	MP2A	Mx	-.114	1
58	MP2A	X	68.607	6
59	MP2A	Z	118.83	6
60	MP2A	Mx	-.114	6
61	MP2B	X	68.607	1
62	MP2B	Z	118.83	1
63	MP2B	Mx	.045	1
64	MP2B	X	68.607	6
65	MP2B	Z	118.83	6
66	MP2B	Mx	.045	6
67	MP2C	X	49.567	1
68	MP2C	Z	85.853	1
69	MP2C	Mx	.05	1
70	MP2C	X	49.567	6
71	MP2C	Z	85.853	6
72	MP2C	Mx	.05	6
73	MP3A	X	68.607	1
74	MP3A	Z	118.83	1
75	MP3A	Mx	-.034	1
76	MP3A	X	68.607	6
77	MP3A	Z	118.83	6
78	MP3A	Mx	-.034	6
79	MP3B	X	68.607	1
80	MP3B	Z	118.83	1
81	MP3B	Mx	-.034	1
82	MP3B	X	68.607	6
83	MP3B	Z	118.83	6
84	MP3B	Mx	-.034	6
85	MP3C	X	49.567	1
86	MP3C	Z	85.853	1
87	MP3C	Mx	.05	1
88	MP3C	X	49.567	6
89	MP3C	Z	85.853	6
90	MP3C	Mx	.05	6
91	OVP	X	70.165	1
92	OVP	Z	121.53	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.5
2	MP4A	Z	86.343	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	86.343	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP4A	Mx	0	4.5
7	MP4B	X	0	2.5
8	MP4B	Z	86.343	2.5
9	MP4B	Mx	0	2.5
10	MP4B	X	0	4.5
11	MP4B	Z	86.343	4.5
12	MP4B	Mx	0	4.5
13	MP4C	X	0	2.5
14	MP4C	Z	86.343	2.5
15	MP4C	Mx	0	2.5
16	MP4C	X	0	4.5
17	MP4C	Z	86.343	4.5
18	MP4C	Mx	0	4.5
19	MP2A	X	0	4
20	MP2A	Z	68.707	4
21	MP2A	Mx	0	4
22	MP2B	X	0	4
23	MP2B	Z	51.622	4
24	MP2B	Mx	.022	4
25	MP2C	X	0	4
26	MP2C	Z	51.622	4
27	MP2C	Mx	-.022	4
28	MP3A	X	0	4
29	MP3A	Z	68.707	4
30	MP3A	Mx	0	4
31	MP3B	X	0	4
32	MP3B	Z	48.522	4
33	MP3B	Mx	.021	4
34	MP3C	X	0	4
35	MP3C	Z	48.522	4
36	MP3C	Mx	-.021	4
37	MP2A	X	0	1
38	MP2A	Z	149.907	1
39	MP2A	Mx	.1	1
40	MP2A	X	0	6
41	MP2A	Z	149.907	6
42	MP2A	Mx	.1	6
43	MP2B	X	0	1
44	MP2B	Z	111.827	1
45	MP2B	Mx	-.086	1
46	MP2B	X	0	6
47	MP2B	Z	111.827	6
48	MP2B	Mx	-.086	6
49	MP2C	X	0	1
50	MP2C	Z	111.827	1
51	MP2C	Mx	.011	1
52	MP2C	X	0	6
53	MP2C	Z	111.827	6
54	MP2C	Mx	.011	6
55	MP2A	X	0	1
56	MP2A	Z	149.907	1
57	MP2A	Mx	-.1	1
58	MP2A	X	0	6
59	MP2A	Z	149.907	6
60	MP2A	Mx	-.1	6
61	MP2B	X	0	1
62	MP2B	Z	111.827	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2B	Mx	-.011	1
64	MP2B	X	0	6
65	MP2B	Z	111.827	6
66	MP2B	Mx	-.011	6
67	MP2C	X	0	1
68	MP2C	Z	111.827	1
69	MP2C	Mx	.086	1
70	MP2C	X	0	6
71	MP2C	Z	111.827	6
72	MP2C	Mx	.086	6
73	MP3A	X	0	1
74	MP3A	Z	149.907	1
75	MP3A	Mx	0	1
76	MP3A	X	0	6
77	MP3A	Z	149.907	6
78	MP3A	Mx	0	6
79	MP3B	X	0	1
80	MP3B	Z	111.827	1
81	MP3B	Mx	-.048	1
82	MP3B	X	0	6
83	MP3B	Z	111.827	6
84	MP3B	Mx	-.048	6
85	MP3C	X	0	1
86	MP3C	Z	111.827	1
87	MP3C	Mx	.048	1
88	MP3C	X	0	6
89	MP3C	Z	111.827	6
90	MP3C	Mx	.048	6
91	OVP	X	0	1
92	OVP	Z	149.172	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-36.604	2.5
2	MP4A	Z	63.4	2.5
3	MP4A	Mx	.018	2.5
4	MP4A	X	-36.604	4.5
5	MP4A	Z	63.4	4.5
6	MP4A	Mx	.018	4.5
7	MP4B	X	-36.604	2.5
8	MP4B	Z	63.4	2.5
9	MP4B	Mx	.018	2.5
10	MP4B	X	-36.604	4.5
11	MP4B	Z	63.4	4.5
12	MP4B	Mx	.018	4.5
13	MP4C	X	-36.604	2.5
14	MP4C	Z	63.4	2.5
15	MP4C	Mx	.018	2.5
16	MP4C	X	-36.604	4.5
17	MP4C	Z	63.4	4.5
18	MP4C	Mx	.018	4.5
19	MP2A	X	-31.506	4
20	MP2A	Z	54.57	4
21	MP2A	Mx	-.016	4
22	MP2B	X	-22.964	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2B	Z	39.774	4
24	MP2B	Mx	.023	4
25	MP2C	X	-31.506	4
26	MP2C	Z	54.57	4
27	MP2C	Mx	-.016	4
28	MP3A	X	-30.989	4
29	MP3A	Z	53.675	4
30	MP3A	Mx	-.015	4
31	MP3B	X	-20.897	4
32	MP3B	Z	36.195	4
33	MP3B	Mx	.021	4
34	MP3C	X	-30.989	4
35	MP3C	Z	53.675	4
36	MP3C	Mx	-.015	4
37	MP2A	X	-68.607	1
38	MP2A	Z	118.83	1
39	MP2A	Mx	.114	1
40	MP2A	X	-68.607	6
41	MP2A	Z	118.83	6
42	MP2A	Mx	.114	6
43	MP2B	X	-49.567	1
44	MP2B	Z	85.853	1
45	MP2B	Mx	-.05	1
46	MP2B	X	-49.567	6
47	MP2B	Z	85.853	6
48	MP2B	Mx	-.05	6
49	MP2C	X	-68.607	1
50	MP2C	Z	118.83	1
51	MP2C	Mx	-.045	1
52	MP2C	X	-68.607	6
53	MP2C	Z	118.83	6
54	MP2C	Mx	-.045	6
55	MP2A	X	-68.607	1
56	MP2A	Z	118.83	1
57	MP2A	Mx	-.045	1
58	MP2A	X	-68.607	6
59	MP2A	Z	118.83	6
60	MP2A	Mx	-.045	6
61	MP2B	X	-49.567	1
62	MP2B	Z	85.853	1
63	MP2B	Mx	-.05	1
64	MP2B	X	-49.567	6
65	MP2B	Z	85.853	6
66	MP2B	Mx	-.05	6
67	MP2C	X	-68.607	1
68	MP2C	Z	118.83	1
69	MP2C	Mx	.114	1
70	MP2C	X	-68.607	6
71	MP2C	Z	118.83	6
72	MP2C	Mx	.114	6
73	MP3A	X	-68.607	1
74	MP3A	Z	118.83	1
75	MP3A	Mx	.034	1
76	MP3A	X	-68.607	6
77	MP3A	Z	118.83	6
78	MP3A	Mx	.034	6
79	MP3B	X	-49.567	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3B	Z	85.853	1
81	MP3B	Mx	-.05	1
82	MP3B	X	-49.567	6
83	MP3B	Z	85.853	6
84	MP3B	Mx	-.05	6
85	MP3C	X	-68.607	1
86	MP3C	Z	118.83	1
87	MP3C	Mx	.034	1
88	MP3C	X	-68.607	6
89	MP3C	Z	118.83	6
90	MP3C	Mx	.034	6
91	OVP	X	-70.165	1
92	OVP	Z	121.53	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-40.65	2.5
2	MP4A	Z	23.469	2.5
3	MP4A	Mx	.02	2.5
4	MP4A	X	-40.65	4.5
5	MP4A	Z	23.469	4.5
6	MP4A	Mx	.02	4.5
7	MP4B	X	-40.65	2.5
8	MP4B	Z	23.469	2.5
9	MP4B	Mx	.02	2.5
10	MP4B	X	-40.65	4.5
11	MP4B	Z	23.469	4.5
12	MP4B	Mx	.02	4.5
13	MP4C	X	-40.65	2.5
14	MP4C	Z	23.469	2.5
15	MP4C	Mx	.02	2.5
16	MP4C	X	-40.65	4.5
17	MP4C	Z	23.469	4.5
18	MP4C	Mx	.02	4.5
19	MP2A	X	-44.706	4
20	MP2A	Z	25.811	4
21	MP2A	Mx	-.022	4
22	MP2B	X	-44.706	4
23	MP2B	Z	25.811	4
24	MP2B	Mx	.022	4
25	MP2C	X	-59.502	4
26	MP2C	Z	34.354	4
27	MP2C	Mx	0	4
28	MP3A	X	-42.021	4
29	MP3A	Z	24.261	4
30	MP3A	Mx	-.021	4
31	MP3B	X	-42.021	4
32	MP3B	Z	24.261	4
33	MP3B	Mx	.021	4
34	MP3C	X	-59.502	4
35	MP3C	Z	34.354	4
36	MP3C	Mx	0	4
37	MP2A	X	-96.845	1
38	MP2A	Z	55.914	1
39	MP2A	Mx	.086	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	-96.845	6
41	MP2A	Z	55.914	6
42	MP2A	Mx	.086	6
43	MP2B	X	-96.845	1
44	MP2B	Z	55.914	1
45	MP2B	Mx	-.011	1
46	MP2B	X	-96.845	6
47	MP2B	Z	55.914	6
48	MP2B	Mx	-.011	6
49	MP2C	X	-129.823	1
50	MP2C	Z	74.953	1
51	MP2C	Mx	-.1	1
52	MP2C	X	-129.823	6
53	MP2C	Z	74.953	6
54	MP2C	Mx	-.1	6
55	MP2A	X	-96.845	1
56	MP2A	Z	55.914	1
57	MP2A	Mx	.011	1
58	MP2A	X	-96.845	6
59	MP2A	Z	55.914	6
60	MP2A	Mx	.011	6
61	MP2B	X	-96.845	1
62	MP2B	Z	55.914	1
63	MP2B	Mx	-.086	1
64	MP2B	X	-96.845	6
65	MP2B	Z	55.914	6
66	MP2B	Mx	-.086	6
67	MP2C	X	-129.823	1
68	MP2C	Z	74.953	1
69	MP2C	Mx	.1	1
70	MP2C	X	-129.823	6
71	MP2C	Z	74.953	6
72	MP2C	Mx	.1	6
73	MP3A	X	-96.845	1
74	MP3A	Z	55.914	1
75	MP3A	Mx	.048	1
76	MP3A	X	-96.845	6
77	MP3A	Z	55.914	6
78	MP3A	Mx	.048	6
79	MP3B	X	-96.845	1
80	MP3B	Z	55.914	1
81	MP3B	Mx	-.048	1
82	MP3B	X	-96.845	6
83	MP3B	Z	55.914	6
84	MP3B	Mx	-.048	6
85	MP3C	X	-129.823	1
86	MP3C	Z	74.953	1
87	MP3C	Mx	0	1
88	MP3C	X	-129.823	6
89	MP3C	Z	74.953	6
90	MP3C	Mx	0	6
91	OVP	X	-106.217	1
92	OVP	Z	61.324	1
93	OVP	Mx	0	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-33.803	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	.017	2.5
4	MP4A	X	-33.803	4.5
5	MP4A	Z	0	4.5
6	MP4A	Mx	.017	4.5
7	MP4B	X	-33.803	2.5
8	MP4B	Z	0	2.5
9	MP4B	Mx	.017	2.5
10	MP4B	X	-33.803	4.5
11	MP4B	Z	0	4.5
12	MP4B	Mx	.017	4.5
13	MP4C	X	-33.803	2.5
14	MP4C	Z	0	2.5
15	MP4C	Mx	.017	2.5
16	MP4C	X	-33.803	4.5
17	MP4C	Z	0	4.5
18	MP4C	Mx	.017	4.5
19	MP2A	X	-45.927	4
20	MP2A	Z	0	4
21	MP2A	Mx	-.023	4
22	MP2B	X	-63.012	4
23	MP2B	Z	0	4
24	MP2B	Mx	.016	4
25	MP2C	X	-63.012	4
26	MP2C	Z	0	4
27	MP2C	Mx	.016	4
28	MP3A	X	-41.794	4
29	MP3A	Z	0	4
30	MP3A	Mx	-.021	4
31	MP3B	X	-61.979	4
32	MP3B	Z	0	4
33	MP3B	Mx	.015	4
34	MP3C	X	-61.979	4
35	MP3C	Z	0	4
36	MP3C	Mx	.015	4
37	MP2A	X	-99.134	1
38	MP2A	Z	0	1
39	MP2A	Mx	.05	1
40	MP2A	X	-99.134	6
41	MP2A	Z	0	6
42	MP2A	Mx	.05	6
43	MP2B	X	-137.214	1
44	MP2B	Z	0	1
45	MP2B	Mx	.045	1
46	MP2B	X	-137.214	6
47	MP2B	Z	0	6
48	MP2B	Mx	.045	6
49	MP2C	X	-137.214	1
50	MP2C	Z	0	1
51	MP2C	Mx	-.114	1
52	MP2C	X	-137.214	6
53	MP2C	Z	0	6
54	MP2C	Mx	-.114	6
55	MP2A	X	-99.134	1
56	MP2A	Z	0	1
57	MP2A	Mx	.05	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-99.134	6
59	MP2A	Z	0	6
60	MP2A	Mx	.05	6
61	MP2B	X	-137.214	1
62	MP2B	Z	0	1
63	MP2B	Mx	-.114	1
64	MP2B	X	-137.214	6
65	MP2B	Z	0	6
66	MP2B	Mx	-.114	6
67	MP2C	X	-137.214	1
68	MP2C	Z	0	1
69	MP2C	Mx	.045	1
70	MP2C	X	-137.214	6
71	MP2C	Z	0	6
72	MP2C	Mx	.045	6
73	MP3A	X	-99.134	1
74	MP3A	Z	0	1
75	MP3A	Mx	.05	1
76	MP3A	X	-99.134	6
77	MP3A	Z	0	6
78	MP3A	Mx	.05	6
79	MP3B	X	-137.214	1
80	MP3B	Z	0	1
81	MP3B	Mx	-.034	1
82	MP3B	X	-137.214	6
83	MP3B	Z	0	6
84	MP3B	Mx	-.034	6
85	MP3C	X	-137.214	1
86	MP3C	Z	0	1
87	MP3C	Mx	-.034	1
88	MP3C	X	-137.214	6
89	MP3C	Z	0	6
90	MP3C	Mx	-.034	6
91	OVP	X	-113.808	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-40.65	2.5
2	MP4A	Z	-23.469	2.5
3	MP4A	Mx	.02	2.5
4	MP4A	X	-40.65	4.5
5	MP4A	Z	-23.469	4.5
6	MP4A	Mx	.02	4.5
7	MP4B	X	-40.65	2.5
8	MP4B	Z	-23.469	2.5
9	MP4B	Mx	.02	2.5
10	MP4B	X	-40.65	4.5
11	MP4B	Z	-23.469	4.5
12	MP4B	Mx	.02	4.5
13	MP4C	X	-40.65	2.5
14	MP4C	Z	-23.469	2.5
15	MP4C	Mx	.02	2.5
16	MP4C	X	-40.65	4.5
17	MP4C	Z	-23.469	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4C	Mx	.02	4.5
19	MP2A	X	-44.706	4
20	MP2A	Z	-25.811	4
21	MP2A	Mx	-.022	4
22	MP2B	X	-59.502	4
23	MP2B	Z	-34.354	4
24	MP2B	Mx	0	4
25	MP2C	X	-44.706	4
26	MP2C	Z	-25.811	4
27	MP2C	Mx	.022	4
28	MP3A	X	-42.021	4
29	MP3A	Z	-24.261	4
30	MP3A	Mx	-.021	4
31	MP3B	X	-59.502	4
32	MP3B	Z	-34.354	4
33	MP3B	Mx	0	4
34	MP3C	X	-42.021	4
35	MP3C	Z	-24.261	4
36	MP3C	Mx	.021	4
37	MP2A	X	-96.845	1
38	MP2A	Z	-55.914	1
39	MP2A	Mx	.011	1
40	MP2A	X	-96.845	6
41	MP2A	Z	-55.914	6
42	MP2A	Mx	.011	6
43	MP2B	X	-129.823	1
44	MP2B	Z	-74.953	1
45	MP2B	Mx	.1	1
46	MP2B	X	-129.823	6
47	MP2B	Z	-74.953	6
48	MP2B	Mx	.1	6
49	MP2C	X	-96.845	1
50	MP2C	Z	-55.914	1
51	MP2C	Mx	-.086	1
52	MP2C	X	-96.845	6
53	MP2C	Z	-55.914	6
54	MP2C	Mx	-.086	6
55	MP2A	X	-96.845	1
56	MP2A	Z	-55.914	1
57	MP2A	Mx	.086	1
58	MP2A	X	-96.845	6
59	MP2A	Z	-55.914	6
60	MP2A	Mx	.086	6
61	MP2B	X	-129.823	1
62	MP2B	Z	-74.953	1
63	MP2B	Mx	-.1	1
64	MP2B	X	-129.823	6
65	MP2B	Z	-74.953	6
66	MP2B	Mx	-.1	6
67	MP2C	X	-96.845	1
68	MP2C	Z	-55.914	1
69	MP2C	Mx	-.011	1
70	MP2C	X	-96.845	6
71	MP2C	Z	-55.914	6
72	MP2C	Mx	-.011	6
73	MP3A	X	-96.845	1
74	MP3A	Z	-55.914	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	.048	1
76	MP3A	X	-96.845	6
77	MP3A	Z	-55.914	6
78	MP3A	Mx	.048	6
79	MP3B	X	-129.823	1
80	MP3B	Z	-74.953	1
81	MP3B	Mx	0	1
82	MP3B	X	-129.823	6
83	MP3B	Z	-74.953	6
84	MP3B	Mx	0	6
85	MP3C	X	-96.845	1
86	MP3C	Z	-55.914	1
87	MP3C	Mx	-.048	1
88	MP3C	X	-96.845	6
89	MP3C	Z	-55.914	6
90	MP3C	Mx	-.048	6
91	OVP	X	-106.217	1
92	OVP	Z	-61.324	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-36.604	2.5
2	MP4A	Z	-63.4	2.5
3	MP4A	Mx	.018	2.5
4	MP4A	X	-36.604	4.5
5	MP4A	Z	-63.4	4.5
6	MP4A	Mx	.018	4.5
7	MP4B	X	-36.604	2.5
8	MP4B	Z	-63.4	2.5
9	MP4B	Mx	.018	2.5
10	MP4B	X	-36.604	4.5
11	MP4B	Z	-63.4	4.5
12	MP4B	Mx	.018	4.5
13	MP4C	X	-36.604	2.5
14	MP4C	Z	-63.4	2.5
15	MP4C	Mx	.018	2.5
16	MP4C	X	-36.604	4.5
17	MP4C	Z	-63.4	4.5
18	MP4C	Mx	.018	4.5
19	MP2A	X	-31.506	4
20	MP2A	Z	-54.57	4
21	MP2A	Mx	-.016	4
22	MP2B	X	-31.506	4
23	MP2B	Z	-54.57	4
24	MP2B	Mx	-.016	4
25	MP2C	X	-22.964	4
26	MP2C	Z	-39.774	4
27	MP2C	Mx	.023	4
28	MP3A	X	-30.989	4
29	MP3A	Z	-53.675	4
30	MP3A	Mx	-.015	4
31	MP3B	X	-30.989	4
32	MP3B	Z	-53.675	4
33	MP3B	Mx	-.015	4
34	MP3C	X	-20.897	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	-36.195	4
36	MP3C	Mx	.021	4
37	MP2A	X	-68.607	1
38	MP2A	Z	-118.83	1
39	MP2A	Mx	-.045	1
40	MP2A	X	-68.607	6
41	MP2A	Z	-118.83	6
42	MP2A	Mx	-.045	6
43	MP2B	X	-68.607	1
44	MP2B	Z	-118.83	1
45	MP2B	Mx	.114	1
46	MP2B	X	-68.607	6
47	MP2B	Z	-118.83	6
48	MP2B	Mx	.114	6
49	MP2C	X	-49.567	1
50	MP2C	Z	-85.853	1
51	MP2C	Mx	-.05	1
52	MP2C	X	-49.567	6
53	MP2C	Z	-85.853	6
54	MP2C	Mx	-.05	6
55	MP2A	X	-68.607	1
56	MP2A	Z	-118.83	1
57	MP2A	Mx	.114	1
58	MP2A	X	-68.607	6
59	MP2A	Z	-118.83	6
60	MP2A	Mx	.114	6
61	MP2B	X	-68.607	1
62	MP2B	Z	-118.83	1
63	MP2B	Mx	-.045	1
64	MP2B	X	-68.607	6
65	MP2B	Z	-118.83	6
66	MP2B	Mx	-.045	6
67	MP2C	X	-49.567	1
68	MP2C	Z	-85.853	1
69	MP2C	Mx	-.05	1
70	MP2C	X	-49.567	6
71	MP2C	Z	-85.853	6
72	MP2C	Mx	-.05	6
73	MP3A	X	-68.607	1
74	MP3A	Z	-118.83	1
75	MP3A	Mx	.034	1
76	MP3A	X	-68.607	6
77	MP3A	Z	-118.83	6
78	MP3A	Mx	.034	6
79	MP3B	X	-68.607	1
80	MP3B	Z	-118.83	1
81	MP3B	Mx	.034	1
82	MP3B	X	-68.607	6
83	MP3B	Z	-118.83	6
84	MP3B	Mx	.034	6
85	MP3C	X	-49.567	1
86	MP3C	Z	-85.853	1
87	MP3C	Mx	-.05	1
88	MP3C	X	-49.567	6
89	MP3C	Z	-85.853	6
90	MP3C	Mx	-.05	6
91	OVP	X	-70.165	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	OVP	Z	-121.53	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.5
2	MP4A	Z	-15.87	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	-15.87	4.5
6	MP4A	Mx	0	4.5
7	MP4B	X	0	2.5
8	MP4B	Z	-15.87	2.5
9	MP4B	Mx	0	2.5
10	MP4B	X	0	4.5
11	MP4B	Z	-15.87	4.5
12	MP4B	Mx	0	4.5
13	MP4C	X	0	2.5
14	MP4C	Z	-15.87	2.5
15	MP4C	Mx	0	2.5
16	MP4C	X	0	4.5
17	MP4C	Z	-15.87	4.5
18	MP4C	Mx	0	4.5
19	MP2A	X	0	4
20	MP2A	Z	-13.379	4
21	MP2A	Mx	0	4
22	MP2B	X	0	4
23	MP2B	Z	-10.326	4
24	MP2B	Mx	-.004	4
25	MP2C	X	0	4
26	MP2C	Z	-10.326	4
27	MP2C	Mx	.004	4
28	MP3A	X	0	4
29	MP3A	Z	-13.379	4
30	MP3A	Mx	0	4
31	MP3B	X	0	4
32	MP3B	Z	-9.777	4
33	MP3B	Mx	-.004	4
34	MP3C	X	0	4
35	MP3C	Z	-9.777	4
36	MP3C	Mx	.004	4
37	MP2A	X	0	1
38	MP2A	Z	-26.892	1
39	MP2A	Mx	-.018	1
40	MP2A	X	0	6
41	MP2A	Z	-26.892	6
42	MP2A	Mx	-.018	6
43	MP2B	X	0	1
44	MP2B	Z	-20.636	1
45	MP2B	Mx	.016	1
46	MP2B	X	0	6
47	MP2B	Z	-20.636	6
48	MP2B	Mx	.016	6
49	MP2C	X	0	1
50	MP2C	Z	-20.636	1
51	MP2C	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2C	X	0	6
53	MP2C	Z	-20.636	6
54	MP2C	Mx	-.002	6
55	MP2A	X	0	1
56	MP2A	Z	-26.892	1
57	MP2A	Mx	.018	1
58	MP2A	X	0	6
59	MP2A	Z	-26.892	6
60	MP2A	Mx	.018	6
61	MP2B	X	0	1
62	MP2B	Z	-20.636	1
63	MP2B	Mx	.002	1
64	MP2B	X	0	6
65	MP2B	Z	-20.636	6
66	MP2B	Mx	.002	6
67	MP2C	X	0	1
68	MP2C	Z	-20.636	1
69	MP2C	Mx	-.016	1
70	MP2C	X	0	6
71	MP2C	Z	-20.636	6
72	MP2C	Mx	-.016	6
73	MP3A	X	0	1
74	MP3A	Z	-26.892	1
75	MP3A	Mx	0	1
76	MP3A	X	0	6
77	MP3A	Z	-26.892	6
78	MP3A	Mx	0	6
79	MP3B	X	0	1
80	MP3B	Z	-20.636	1
81	MP3B	Mx	.009	1
82	MP3B	X	0	6
83	MP3B	Z	-20.636	6
84	MP3B	Mx	.009	6
85	MP3C	X	0	1
86	MP3C	Z	-20.636	1
87	MP3C	Mx	-.009	1
88	MP3C	X	0	6
89	MP3C	Z	-20.636	6
90	MP3C	Mx	-.009	6
91	OVP	X	0	1
92	OVP	Z	-27.488	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	6.797	2.5
2	MP4A	Z	-11.772	2.5
3	MP4A	Mx	-.003	2.5
4	MP4A	X	6.797	4.5
5	MP4A	Z	-11.772	4.5
6	MP4A	Mx	-.003	4.5
7	MP4B	X	6.797	2.5
8	MP4B	Z	-11.772	2.5
9	MP4B	Mx	-.003	2.5
10	MP4B	X	6.797	4.5
11	MP4B	Z	-11.772	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4B	Mx	-.003	4.5
13	MP4C	X	6.797	2.5
14	MP4C	Z	-11.772	2.5
15	MP4C	Mx	-.003	2.5
16	MP4C	X	6.797	4.5
17	MP4C	Z	-11.772	4.5
18	MP4C	Mx	-.003	4.5
19	MP2A	X	6.181	4
20	MP2A	Z	-10.705	4
21	MP2A	Mx	.003	4
22	MP2B	X	4.654	4
23	MP2B	Z	-8.061	4
24	MP2B	Mx	-.005	4
25	MP2C	X	6.181	4
26	MP2C	Z	-10.705	4
27	MP2C	Mx	.003	4
28	MP3A	X	6.089	4
29	MP3A	Z	-10.547	4
30	MP3A	Mx	.003	4
31	MP3B	X	4.288	4
32	MP3B	Z	-7.427	4
33	MP3B	Mx	-.004	4
34	MP3C	X	6.089	4
35	MP3C	Z	-10.547	4
36	MP3C	Mx	.003	4
37	MP2A	X	12.403	1
38	MP2A	Z	-21.483	1
39	MP2A	Mx	-.021	1
40	MP2A	X	12.403	6
41	MP2A	Z	-21.483	6
42	MP2A	Mx	-.021	6
43	MP2B	X	9.275	1
44	MP2B	Z	-16.065	1
45	MP2B	Mx	.009	1
46	MP2B	X	9.275	6
47	MP2B	Z	-16.065	6
48	MP2B	Mx	.009	6
49	MP2C	X	12.403	1
50	MP2C	Z	-21.483	1
51	MP2C	Mx	.008	1
52	MP2C	X	12.403	6
53	MP2C	Z	-21.483	6
54	MP2C	Mx	.008	6
55	MP2A	X	12.403	1
56	MP2A	Z	-21.483	1
57	MP2A	Mx	.008	1
58	MP2A	X	12.403	6
59	MP2A	Z	-21.483	6
60	MP2A	Mx	.008	6
61	MP2B	X	9.275	1
62	MP2B	Z	-16.065	1
63	MP2B	Mx	.009	1
64	MP2B	X	9.275	6
65	MP2B	Z	-16.065	6
66	MP2B	Mx	.009	6
67	MP2C	X	12.403	1
68	MP2C	Z	-21.483	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2C	Mx	-.021	1
70	MP2C	X	12.403	6
71	MP2C	Z	-21.483	6
72	MP2C	Mx	-.021	6
73	MP3A	X	12.403	1
74	MP3A	Z	-21.483	1
75	MP3A	Mx	-.006	1
76	MP3A	X	12.403	6
77	MP3A	Z	-21.483	6
78	MP3A	Mx	-.006	6
79	MP3B	X	9.275	1
80	MP3B	Z	-16.065	1
81	MP3B	Mx	.009	1
82	MP3B	X	9.275	6
83	MP3B	Z	-16.065	6
84	MP3B	Mx	.009	6
85	MP3C	X	12.403	1
86	MP3C	Z	-21.483	1
87	MP3C	Mx	-.006	1
88	MP3C	X	12.403	6
89	MP3C	Z	-21.483	6
90	MP3C	Mx	-.006	6
91	OVP	X	12.995	1
92	OVP	Z	-22.508	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.829	2.5
2	MP4A	Z	-4.52	2.5
3	MP4A	Mx	-.004	2.5
4	MP4A	X	7.829	4.5
5	MP4A	Z	-4.52	4.5
6	MP4A	Mx	-.004	4.5
7	MP4B	X	7.829	2.5
8	MP4B	Z	-4.52	2.5
9	MP4B	Mx	-.004	2.5
10	MP4B	X	7.829	4.5
11	MP4B	Z	-4.52	4.5
12	MP4B	Mx	-.004	4.5
13	MP4C	X	7.829	2.5
14	MP4C	Z	-4.52	2.5
15	MP4C	Mx	-.004	2.5
16	MP4C	X	7.829	4.5
17	MP4C	Z	-4.52	4.5
18	MP4C	Mx	-.004	4.5
19	MP2A	X	8.943	4
20	MP2A	Z	-5.163	4
21	MP2A	Mx	.004	4
22	MP2B	X	8.943	4
23	MP2B	Z	-5.163	4
24	MP2B	Mx	-.004	4
25	MP2C	X	11.587	4
26	MP2C	Z	-6.69	4
27	MP2C	Mx	0	4
28	MP3A	X	8.467	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3A	Z	-4.888	4
30	MP3A	Mx	.004	4
31	MP3B	X	8.467	4
32	MP3B	Z	-4.888	4
33	MP3B	Mx	-.004	4
34	MP3C	X	11.587	4
35	MP3C	Z	-6.69	4
36	MP3C	Mx	0	4
37	MP2A	X	17.871	1
38	MP2A	Z	-10.318	1
39	MP2A	Mx	-.016	1
40	MP2A	X	17.871	6
41	MP2A	Z	-10.318	6
42	MP2A	Mx	-.016	6
43	MP2B	X	17.871	1
44	MP2B	Z	-10.318	1
45	MP2B	Mx	.002	1
46	MP2B	X	17.871	6
47	MP2B	Z	-10.318	6
48	MP2B	Mx	.002	6
49	MP2C	X	23.289	1
50	MP2C	Z	-13.446	1
51	MP2C	Mx	.018	1
52	MP2C	X	23.289	6
53	MP2C	Z	-13.446	6
54	MP2C	Mx	.018	6
55	MP2A	X	17.871	1
56	MP2A	Z	-10.318	1
57	MP2A	Mx	-.002	1
58	MP2A	X	17.871	6
59	MP2A	Z	-10.318	6
60	MP2A	Mx	-.002	6
61	MP2B	X	17.871	1
62	MP2B	Z	-10.318	1
63	MP2B	Mx	.016	1
64	MP2B	X	17.871	6
65	MP2B	Z	-10.318	6
66	MP2B	Mx	.016	6
67	MP2C	X	23.289	1
68	MP2C	Z	-13.446	1
69	MP2C	Mx	-.018	1
70	MP2C	X	23.289	6
71	MP2C	Z	-13.446	6
72	MP2C	Mx	-.018	6
73	MP3A	X	17.871	1
74	MP3A	Z	-10.318	1
75	MP3A	Mx	-.009	1
76	MP3A	X	17.871	6
77	MP3A	Z	-10.318	6
78	MP3A	Mx	-.009	6
79	MP3B	X	17.871	1
80	MP3B	Z	-10.318	1
81	MP3B	Mx	.009	1
82	MP3B	X	17.871	6
83	MP3B	Z	-10.318	6
84	MP3B	Mx	.009	6
85	MP3C	X	23.289	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP3C	Z	-13.446	1
87	MP3C	Mx	0	1
88	MP3C	X	23.289	6
89	MP3C	Z	-13.446	6
90	MP3C	Mx	0	6
91	OVP	X	19.915	1
92	OVP	Z	-11.498	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	6.763	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	-.003	2.5
4	MP4A	X	6.763	4.5
5	MP4A	Z	0	4.5
6	MP4A	Mx	-.003	4.5
7	MP4B	X	6.763	2.5
8	MP4B	Z	0	2.5
9	MP4B	Mx	-.003	2.5
10	MP4B	X	6.763	4.5
11	MP4B	Z	0	4.5
12	MP4B	Mx	-.003	4.5
13	MP4C	X	6.763	2.5
14	MP4C	Z	0	2.5
15	MP4C	Mx	-.003	2.5
16	MP4C	X	6.763	4.5
17	MP4C	Z	0	4.5
18	MP4C	Mx	-.003	4.5
19	MP2A	X	9.309	4
20	MP2A	Z	0	4
21	MP2A	Mx	.005	4
22	MP2B	X	12.362	4
23	MP2B	Z	0	4
24	MP2B	Mx	-.003	4
25	MP2C	X	12.362	4
26	MP2C	Z	0	4
27	MP2C	Mx	-.003	4
28	MP3A	X	8.576	4
29	MP3A	Z	0	4
30	MP3A	Mx	.004	4
31	MP3B	X	12.178	4
32	MP3B	Z	0	4
33	MP3B	Mx	-.003	4
34	MP3C	X	12.178	4
35	MP3C	Z	0	4
36	MP3C	Mx	-.003	4
37	MP2A	X	18.551	1
38	MP2A	Z	0	1
39	MP2A	Mx	-.009	1
40	MP2A	X	18.551	6
41	MP2A	Z	0	6
42	MP2A	Mx	-.009	6
43	MP2B	X	24.807	1
44	MP2B	Z	0	1
45	MP2B	Mx	-.008	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	X	24.807	6
47	MP2B	Z	0	6
48	MP2B	Mx	-.008	6
49	MP2C	X	24.807	1
50	MP2C	Z	0	1
51	MP2C	Mx	.021	1
52	MP2C	X	24.807	6
53	MP2C	Z	0	6
54	MP2C	Mx	.021	6
55	MP2A	X	18.551	1
56	MP2A	Z	0	1
57	MP2A	Mx	-.009	1
58	MP2A	X	18.551	6
59	MP2A	Z	0	6
60	MP2A	Mx	-.009	6
61	MP2B	X	24.807	1
62	MP2B	Z	0	1
63	MP2B	Mx	.021	1
64	MP2B	X	24.807	6
65	MP2B	Z	0	6
66	MP2B	Mx	.021	6
67	MP2C	X	24.807	1
68	MP2C	Z	0	1
69	MP2C	Mx	-.008	1
70	MP2C	X	24.807	6
71	MP2C	Z	0	6
72	MP2C	Mx	-.008	6
73	MP3A	X	18.551	1
74	MP3A	Z	0	1
75	MP3A	Mx	-.009	1
76	MP3A	X	18.551	6
77	MP3A	Z	0	6
78	MP3A	Mx	-.009	6
79	MP3B	X	24.807	1
80	MP3B	Z	0	1
81	MP3B	Mx	.006	1
82	MP3B	X	24.807	6
83	MP3B	Z	0	6
84	MP3B	Mx	.006	6
85	MP3C	X	24.807	1
86	MP3C	Z	0	1
87	MP3C	Mx	.006	1
88	MP3C	X	24.807	6
89	MP3C	Z	0	6
90	MP3C	Mx	.006	6
91	OVP	X	21.498	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.829	2.5
2	MP4A	Z	4.52	2.5
3	MP4A	Mx	-.004	2.5
4	MP4A	X	7.829	4.5
5	MP4A	Z	4.52	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP4A	Mx	-.004	4.5
7	MP4B	X	7.829	2.5
8	MP4B	Z	4.52	2.5
9	MP4B	Mx	-.004	2.5
10	MP4B	X	7.829	4.5
11	MP4B	Z	4.52	4.5
12	MP4B	Mx	-.004	4.5
13	MP4C	X	7.829	2.5
14	MP4C	Z	4.52	2.5
15	MP4C	Mx	-.004	2.5
16	MP4C	X	7.829	4.5
17	MP4C	Z	4.52	4.5
18	MP4C	Mx	-.004	4.5
19	MP2A	X	8.943	4
20	MP2A	Z	5.163	4
21	MP2A	Mx	.004	4
22	MP2B	X	11.587	4
23	MP2B	Z	6.69	4
24	MP2B	Mx	0	4
25	MP2C	X	8.943	4
26	MP2C	Z	5.163	4
27	MP2C	Mx	-.004	4
28	MP3A	X	8.467	4
29	MP3A	Z	4.888	4
30	MP3A	Mx	.004	4
31	MP3B	X	11.587	4
32	MP3B	Z	6.69	4
33	MP3B	Mx	0	4
34	MP3C	X	8.467	4
35	MP3C	Z	4.888	4
36	MP3C	Mx	-.004	4
37	MP2A	X	17.871	1
38	MP2A	Z	10.318	1
39	MP2A	Mx	-.002	1
40	MP2A	X	17.871	6
41	MP2A	Z	10.318	6
42	MP2A	Mx	-.002	6
43	MP2B	X	23.289	1
44	MP2B	Z	13.446	1
45	MP2B	Mx	-.018	1
46	MP2B	X	23.289	6
47	MP2B	Z	13.446	6
48	MP2B	Mx	-.018	6
49	MP2C	X	17.871	1
50	MP2C	Z	10.318	1
51	MP2C	Mx	.016	1
52	MP2C	X	17.871	6
53	MP2C	Z	10.318	6
54	MP2C	Mx	.016	6
55	MP2A	X	17.871	1
56	MP2A	Z	10.318	1
57	MP2A	Mx	-.016	1
58	MP2A	X	17.871	6
59	MP2A	Z	10.318	6
60	MP2A	Mx	-.016	6
61	MP2B	X	23.289	1
62	MP2B	Z	13.446	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2B	Mx	.018	1
64	MP2B	X	23.289	6
65	MP2B	Z	13.446	6
66	MP2B	Mx	.018	6
67	MP2C	X	17.871	1
68	MP2C	Z	10.318	1
69	MP2C	Mx	.002	1
70	MP2C	X	17.871	6
71	MP2C	Z	10.318	6
72	MP2C	Mx	.002	6
73	MP3A	X	17.871	1
74	MP3A	Z	10.318	1
75	MP3A	Mx	-.009	1
76	MP3A	X	17.871	6
77	MP3A	Z	10.318	6
78	MP3A	Mx	-.009	6
79	MP3B	X	23.289	1
80	MP3B	Z	13.446	1
81	MP3B	Mx	0	1
82	MP3B	X	23.289	6
83	MP3B	Z	13.446	6
84	MP3B	Mx	0	6
85	MP3C	X	17.871	1
86	MP3C	Z	10.318	1
87	MP3C	Mx	.009	1
88	MP3C	X	17.871	6
89	MP3C	Z	10.318	6
90	MP3C	Mx	.009	6
91	OVP	X	19.915	1
92	OVP	Z	11.498	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	6.797	2.5
2	MP4A	Z	11.772	2.5
3	MP4A	Mx	-.003	2.5
4	MP4A	X	6.797	4.5
5	MP4A	Z	11.772	4.5
6	MP4A	Mx	-.003	4.5
7	MP4B	X	6.797	2.5
8	MP4B	Z	11.772	2.5
9	MP4B	Mx	-.003	2.5
10	MP4B	X	6.797	4.5
11	MP4B	Z	11.772	4.5
12	MP4B	Mx	-.003	4.5
13	MP4C	X	6.797	2.5
14	MP4C	Z	11.772	2.5
15	MP4C	Mx	-.003	2.5
16	MP4C	X	6.797	4.5
17	MP4C	Z	11.772	4.5
18	MP4C	Mx	-.003	4.5
19	MP2A	X	6.181	4
20	MP2A	Z	10.705	4
21	MP2A	Mx	.003	4
22	MP2B	X	6.181	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2B	Z	10.705	4
24	MP2B	Mx	.003	4
25	MP2C	X	4.654	4
26	MP2C	Z	8.061	4
27	MP2C	Mx	-.005	4
28	MP3A	X	6.089	4
29	MP3A	Z	10.547	4
30	MP3A	Mx	.003	4
31	MP3B	X	6.089	4
32	MP3B	Z	10.547	4
33	MP3B	Mx	.003	4
34	MP3C	X	4.288	4
35	MP3C	Z	7.427	4
36	MP3C	Mx	-.004	4
37	MP2A	X	12.403	1
38	MP2A	Z	21.483	1
39	MP2A	Mx	.008	1
40	MP2A	X	12.403	6
41	MP2A	Z	21.483	6
42	MP2A	Mx	.008	6
43	MP2B	X	12.403	1
44	MP2B	Z	21.483	1
45	MP2B	Mx	-.021	1
46	MP2B	X	12.403	6
47	MP2B	Z	21.483	6
48	MP2B	Mx	-.021	6
49	MP2C	X	9.275	1
50	MP2C	Z	16.065	1
51	MP2C	Mx	.009	1
52	MP2C	X	9.275	6
53	MP2C	Z	16.065	6
54	MP2C	Mx	.009	6
55	MP2A	X	12.403	1
56	MP2A	Z	21.483	1
57	MP2A	Mx	-.021	1
58	MP2A	X	12.403	6
59	MP2A	Z	21.483	6
60	MP2A	Mx	-.021	6
61	MP2B	X	12.403	1
62	MP2B	Z	21.483	1
63	MP2B	Mx	.008	1
64	MP2B	X	12.403	6
65	MP2B	Z	21.483	6
66	MP2B	Mx	.008	6
67	MP2C	X	9.275	1
68	MP2C	Z	16.065	1
69	MP2C	Mx	.009	1
70	MP2C	X	9.275	6
71	MP2C	Z	16.065	6
72	MP2C	Mx	.009	6
73	MP3A	X	12.403	1
74	MP3A	Z	21.483	1
75	MP3A	Mx	-.006	1
76	MP3A	X	12.403	6
77	MP3A	Z	21.483	6
78	MP3A	Mx	-.006	6
79	MP3B	X	12.403	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3B	Z	21.483	1
81	MP3B	Mx	-.006	1
82	MP3B	X	12.403	6
83	MP3B	Z	21.483	6
84	MP3B	Mx	-.006	6
85	MP3C	X	9.275	1
86	MP3C	Z	16.065	1
87	MP3C	Mx	.009	1
88	MP3C	X	9.275	6
89	MP3C	Z	16.065	6
90	MP3C	Mx	.009	6
91	OVP	X	12.995	1
92	OVP	Z	22.508	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.5
2	MP4A	Z	15.87	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	15.87	4.5
6	MP4A	Mx	0	4.5
7	MP4B	X	0	2.5
8	MP4B	Z	15.87	2.5
9	MP4B	Mx	0	2.5
10	MP4B	X	0	4.5
11	MP4B	Z	15.87	4.5
12	MP4B	Mx	0	4.5
13	MP4C	X	0	2.5
14	MP4C	Z	15.87	2.5
15	MP4C	Mx	0	2.5
16	MP4C	X	0	4.5
17	MP4C	Z	15.87	4.5
18	MP4C	Mx	0	4.5
19	MP2A	X	0	4
20	MP2A	Z	13.379	4
21	MP2A	Mx	0	4
22	MP2B	X	0	4
23	MP2B	Z	10.326	4
24	MP2B	Mx	.004	4
25	MP2C	X	0	4
26	MP2C	Z	10.326	4
27	MP2C	Mx	-.004	4
28	MP3A	X	0	4
29	MP3A	Z	13.379	4
30	MP3A	Mx	0	4
31	MP3B	X	0	4
32	MP3B	Z	9.777	4
33	MP3B	Mx	.004	4
34	MP3C	X	0	4
35	MP3C	Z	9.777	4
36	MP3C	Mx	-.004	4
37	MP2A	X	0	1
38	MP2A	Z	26.892	1
39	MP2A	Mx	.018	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	0	6
41	MP2A	Z	26.892	6
42	MP2A	Mx	.018	6
43	MP2B	X	0	1
44	MP2B	Z	20.636	1
45	MP2B	Mx	-.016	1
46	MP2B	X	0	6
47	MP2B	Z	20.636	6
48	MP2B	Mx	-.016	6
49	MP2C	X	0	1
50	MP2C	Z	20.636	1
51	MP2C	Mx	.002	1
52	MP2C	X	0	6
53	MP2C	Z	20.636	6
54	MP2C	Mx	.002	6
55	MP2A	X	0	1
56	MP2A	Z	26.892	1
57	MP2A	Mx	-.018	1
58	MP2A	X	0	6
59	MP2A	Z	26.892	6
60	MP2A	Mx	-.018	6
61	MP2B	X	0	1
62	MP2B	Z	20.636	1
63	MP2B	Mx	-.002	1
64	MP2B	X	0	6
65	MP2B	Z	20.636	6
66	MP2B	Mx	-.002	6
67	MP2C	X	0	1
68	MP2C	Z	20.636	1
69	MP2C	Mx	.016	1
70	MP2C	X	0	6
71	MP2C	Z	20.636	6
72	MP2C	Mx	.016	6
73	MP3A	X	0	1
74	MP3A	Z	26.892	1
75	MP3A	Mx	0	1
76	MP3A	X	0	6
77	MP3A	Z	26.892	6
78	MP3A	Mx	0	6
79	MP3B	X	0	1
80	MP3B	Z	20.636	1
81	MP3B	Mx	-.009	1
82	MP3B	X	0	6
83	MP3B	Z	20.636	6
84	MP3B	Mx	-.009	6
85	MP3C	X	0	1
86	MP3C	Z	20.636	1
87	MP3C	Mx	.009	1
88	MP3C	X	0	6
89	MP3C	Z	20.636	6
90	MP3C	Mx	.009	6
91	OVP	X	0	1
92	OVP	Z	27.488	1
93	OVP	Mx	0	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-6.797	2.5
2	MP4A	Z	11.772	2.5
3	MP4A	Mx	.003	2.5
4	MP4A	X	-6.797	4.5
5	MP4A	Z	11.772	4.5
6	MP4A	Mx	.003	4.5
7	MP4B	X	-6.797	2.5
8	MP4B	Z	11.772	2.5
9	MP4B	Mx	.003	2.5
10	MP4B	X	-6.797	4.5
11	MP4B	Z	11.772	4.5
12	MP4B	Mx	.003	4.5
13	MP4C	X	-6.797	2.5
14	MP4C	Z	11.772	2.5
15	MP4C	Mx	.003	2.5
16	MP4C	X	-6.797	4.5
17	MP4C	Z	11.772	4.5
18	MP4C	Mx	.003	4.5
19	MP2A	X	-6.181	4
20	MP2A	Z	10.705	4
21	MP2A	Mx	-.003	4
22	MP2B	X	-4.654	4
23	MP2B	Z	8.061	4
24	MP2B	Mx	.005	4
25	MP2C	X	-6.181	4
26	MP2C	Z	10.705	4
27	MP2C	Mx	-.003	4
28	MP3A	X	-6.089	4
29	MP3A	Z	10.547	4
30	MP3A	Mx	-.003	4
31	MP3B	X	-4.288	4
32	MP3B	Z	7.427	4
33	MP3B	Mx	.004	4
34	MP3C	X	-6.089	4
35	MP3C	Z	10.547	4
36	MP3C	Mx	-.003	4
37	MP2A	X	-12.403	1
38	MP2A	Z	21.483	1
39	MP2A	Mx	.021	1
40	MP2A	X	-12.403	6
41	MP2A	Z	21.483	6
42	MP2A	Mx	.021	6
43	MP2B	X	-9.275	1
44	MP2B	Z	16.065	1
45	MP2B	Mx	-.009	1
46	MP2B	X	-9.275	6
47	MP2B	Z	16.065	6
48	MP2B	Mx	-.009	6
49	MP2C	X	-12.403	1
50	MP2C	Z	21.483	1
51	MP2C	Mx	-.008	1
52	MP2C	X	-12.403	6
53	MP2C	Z	21.483	6
54	MP2C	Mx	-.008	6
55	MP2A	X	-12.403	1
56	MP2A	Z	21.483	1
57	MP2A	Mx	-.008	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-12.403	6
59	MP2A	Z	21.483	6
60	MP2A	Mx	-.008	6
61	MP2B	X	-9.275	1
62	MP2B	Z	16.065	1
63	MP2B	Mx	-.009	1
64	MP2B	X	-9.275	6
65	MP2B	Z	16.065	6
66	MP2B	Mx	-.009	6
67	MP2C	X	-12.403	1
68	MP2C	Z	21.483	1
69	MP2C	Mx	.021	1
70	MP2C	X	-12.403	6
71	MP2C	Z	21.483	6
72	MP2C	Mx	.021	6
73	MP3A	X	-12.403	1
74	MP3A	Z	21.483	1
75	MP3A	Mx	.006	1
76	MP3A	X	-12.403	6
77	MP3A	Z	21.483	6
78	MP3A	Mx	.006	6
79	MP3B	X	-9.275	1
80	MP3B	Z	16.065	1
81	MP3B	Mx	-.009	1
82	MP3B	X	-9.275	6
83	MP3B	Z	16.065	6
84	MP3B	Mx	-.009	6
85	MP3C	X	-12.403	1
86	MP3C	Z	21.483	1
87	MP3C	Mx	.006	1
88	MP3C	X	-12.403	6
89	MP3C	Z	21.483	6
90	MP3C	Mx	.006	6
91	OVP	X	-12.995	1
92	OVP	Z	22.508	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.829	2.5
2	MP4A	Z	4.52	2.5
3	MP4A	Mx	.004	2.5
4	MP4A	X	-7.829	4.5
5	MP4A	Z	4.52	4.5
6	MP4A	Mx	.004	4.5
7	MP4B	X	-7.829	2.5
8	MP4B	Z	4.52	2.5
9	MP4B	Mx	.004	2.5
10	MP4B	X	-7.829	4.5
11	MP4B	Z	4.52	4.5
12	MP4B	Mx	.004	4.5
13	MP4C	X	-7.829	2.5
14	MP4C	Z	4.52	2.5
15	MP4C	Mx	.004	2.5
16	MP4C	X	-7.829	4.5
17	MP4C	Z	4.52	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4C	Mx	.004	4.5
19	MP2A	X	-8.943	4
20	MP2A	Z	5.163	4
21	MP2A	Mx	-.004	4
22	MP2B	X	-8.943	4
23	MP2B	Z	5.163	4
24	MP2B	Mx	.004	4
25	MP2C	X	-11.587	4
26	MP2C	Z	6.69	4
27	MP2C	Mx	0	4
28	MP3A	X	-8.467	4
29	MP3A	Z	4.888	4
30	MP3A	Mx	-.004	4
31	MP3B	X	-8.467	4
32	MP3B	Z	4.888	4
33	MP3B	Mx	.004	4
34	MP3C	X	-11.587	4
35	MP3C	Z	6.69	4
36	MP3C	Mx	0	4
37	MP2A	X	-17.871	1
38	MP2A	Z	10.318	1
39	MP2A	Mx	.016	1
40	MP2A	X	-17.871	6
41	MP2A	Z	10.318	6
42	MP2A	Mx	.016	6
43	MP2B	X	-17.871	1
44	MP2B	Z	10.318	1
45	MP2B	Mx	-.002	1
46	MP2B	X	-17.871	6
47	MP2B	Z	10.318	6
48	MP2B	Mx	-.002	6
49	MP2C	X	-23.289	1
50	MP2C	Z	13.446	1
51	MP2C	Mx	-.018	1
52	MP2C	X	-23.289	6
53	MP2C	Z	13.446	6
54	MP2C	Mx	-.018	6
55	MP2A	X	-17.871	1
56	MP2A	Z	10.318	1
57	MP2A	Mx	.002	1
58	MP2A	X	-17.871	6
59	MP2A	Z	10.318	6
60	MP2A	Mx	.002	6
61	MP2B	X	-17.871	1
62	MP2B	Z	10.318	1
63	MP2B	Mx	-.016	1
64	MP2B	X	-17.871	6
65	MP2B	Z	10.318	6
66	MP2B	Mx	-.016	6
67	MP2C	X	-23.289	1
68	MP2C	Z	13.446	1
69	MP2C	Mx	.018	1
70	MP2C	X	-23.289	6
71	MP2C	Z	13.446	6
72	MP2C	Mx	.018	6
73	MP3A	X	-17.871	1
74	MP3A	Z	10.318	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	.009	1
76	MP3A	X	-17.871	6
77	MP3A	Z	10.318	6
78	MP3A	Mx	.009	6
79	MP3B	X	-17.871	1
80	MP3B	Z	10.318	1
81	MP3B	Mx	-.009	1
82	MP3B	X	-17.871	6
83	MP3B	Z	10.318	6
84	MP3B	Mx	-.009	6
85	MP3C	X	-23.289	1
86	MP3C	Z	13.446	1
87	MP3C	Mx	0	1
88	MP3C	X	-23.289	6
89	MP3C	Z	13.446	6
90	MP3C	Mx	0	6
91	OVP	X	-19.915	1
92	OVP	Z	11.498	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-6.763	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	.003	2.5
4	MP4A	X	-6.763	4.5
5	MP4A	Z	0	4.5
6	MP4A	Mx	.003	4.5
7	MP4B	X	-6.763	2.5
8	MP4B	Z	0	2.5
9	MP4B	Mx	.003	2.5
10	MP4B	X	-6.763	4.5
11	MP4B	Z	0	4.5
12	MP4B	Mx	.003	4.5
13	MP4C	X	-6.763	2.5
14	MP4C	Z	0	2.5
15	MP4C	Mx	.003	2.5
16	MP4C	X	-6.763	4.5
17	MP4C	Z	0	4.5
18	MP4C	Mx	.003	4.5
19	MP2A	X	-9.309	4
20	MP2A	Z	0	4
21	MP2A	Mx	-.005	4
22	MP2B	X	-12.362	4
23	MP2B	Z	0	4
24	MP2B	Mx	.003	4
25	MP2C	X	-12.362	4
26	MP2C	Z	0	4
27	MP2C	Mx	.003	4
28	MP3A	X	-8.576	4
29	MP3A	Z	0	4
30	MP3A	Mx	-.004	4
31	MP3B	X	-12.178	4
32	MP3B	Z	0	4
33	MP3B	Mx	.003	4
34	MP3C	X	-12.178	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	0	4
36	MP3C	Mx	.003	4
37	MP2A	X	-18.551	1
38	MP2A	Z	0	1
39	MP2A	Mx	.009	1
40	MP2A	X	-18.551	6
41	MP2A	Z	0	6
42	MP2A	Mx	.009	6
43	MP2B	X	-24.807	1
44	MP2B	Z	0	1
45	MP2B	Mx	.008	1
46	MP2B	X	-24.807	6
47	MP2B	Z	0	6
48	MP2B	Mx	.008	6
49	MP2C	X	-24.807	1
50	MP2C	Z	0	1
51	MP2C	Mx	-.021	1
52	MP2C	X	-24.807	6
53	MP2C	Z	0	6
54	MP2C	Mx	-.021	6
55	MP2A	X	-18.551	1
56	MP2A	Z	0	1
57	MP2A	Mx	.009	1
58	MP2A	X	-18.551	6
59	MP2A	Z	0	6
60	MP2A	Mx	.009	6
61	MP2B	X	-24.807	1
62	MP2B	Z	0	1
63	MP2B	Mx	-.021	1
64	MP2B	X	-24.807	6
65	MP2B	Z	0	6
66	MP2B	Mx	-.021	6
67	MP2C	X	-24.807	1
68	MP2C	Z	0	1
69	MP2C	Mx	.008	1
70	MP2C	X	-24.807	6
71	MP2C	Z	0	6
72	MP2C	Mx	.008	6
73	MP3A	X	-18.551	1
74	MP3A	Z	0	1
75	MP3A	Mx	.009	1
76	MP3A	X	-18.551	6
77	MP3A	Z	0	6
78	MP3A	Mx	.009	6
79	MP3B	X	-24.807	1
80	MP3B	Z	0	1
81	MP3B	Mx	-.006	1
82	MP3B	X	-24.807	6
83	MP3B	Z	0	6
84	MP3B	Mx	-.006	6
85	MP3C	X	-24.807	1
86	MP3C	Z	0	1
87	MP3C	Mx	-.006	1
88	MP3C	X	-24.807	6
89	MP3C	Z	0	6
90	MP3C	Mx	-.006	6
91	OVP	X	-21.498	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.829	2.5
2	MP4A	Z	-4.52	2.5
3	MP4A	Mx	.004	2.5
4	MP4A	X	-7.829	4.5
5	MP4A	Z	-4.52	4.5
6	MP4A	Mx	.004	4.5
7	MP4B	X	-7.829	2.5
8	MP4B	Z	-4.52	2.5
9	MP4B	Mx	.004	2.5
10	MP4B	X	-7.829	4.5
11	MP4B	Z	-4.52	4.5
12	MP4B	Mx	.004	4.5
13	MP4C	X	-7.829	2.5
14	MP4C	Z	-4.52	2.5
15	MP4C	Mx	.004	2.5
16	MP4C	X	-7.829	4.5
17	MP4C	Z	-4.52	4.5
18	MP4C	Mx	.004	4.5
19	MP2A	X	-8.943	4
20	MP2A	Z	-5.163	4
21	MP2A	Mx	-.004	4
22	MP2B	X	-11.587	4
23	MP2B	Z	-6.69	4
24	MP2B	Mx	0	4
25	MP2C	X	-8.943	4
26	MP2C	Z	-5.163	4
27	MP2C	Mx	.004	4
28	MP3A	X	-8.467	4
29	MP3A	Z	-4.888	4
30	MP3A	Mx	-.004	4
31	MP3B	X	-11.587	4
32	MP3B	Z	-6.69	4
33	MP3B	Mx	0	4
34	MP3C	X	-8.467	4
35	MP3C	Z	-4.888	4
36	MP3C	Mx	.004	4
37	MP2A	X	-17.871	1
38	MP2A	Z	-10.318	1
39	MP2A	Mx	.002	1
40	MP2A	X	-17.871	6
41	MP2A	Z	-10.318	6
42	MP2A	Mx	.002	6
43	MP2B	X	-23.289	1
44	MP2B	Z	-13.446	1
45	MP2B	Mx	.018	1
46	MP2B	X	-23.289	6
47	MP2B	Z	-13.446	6
48	MP2B	Mx	.018	6
49	MP2C	X	-17.871	1
50	MP2C	Z	-10.318	1
51	MP2C	Mx	-.016	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2C	X	-17.871	6
53	MP2C	Z	-10.318	6
54	MP2C	Mx	-.016	6
55	MP2A	X	-17.871	1
56	MP2A	Z	-10.318	1
57	MP2A	Mx	.016	1
58	MP2A	X	-17.871	6
59	MP2A	Z	-10.318	6
60	MP2A	Mx	.016	6
61	MP2B	X	-23.289	1
62	MP2B	Z	-13.446	1
63	MP2B	Mx	-.018	1
64	MP2B	X	-23.289	6
65	MP2B	Z	-13.446	6
66	MP2B	Mx	-.018	6
67	MP2C	X	-17.871	1
68	MP2C	Z	-10.318	1
69	MP2C	Mx	-.002	1
70	MP2C	X	-17.871	6
71	MP2C	Z	-10.318	6
72	MP2C	Mx	-.002	6
73	MP3A	X	-17.871	1
74	MP3A	Z	-10.318	1
75	MP3A	Mx	.009	1
76	MP3A	X	-17.871	6
77	MP3A	Z	-10.318	6
78	MP3A	Mx	.009	6
79	MP3B	X	-23.289	1
80	MP3B	Z	-13.446	1
81	MP3B	Mx	0	1
82	MP3B	X	-23.289	6
83	MP3B	Z	-13.446	6
84	MP3B	Mx	0	6
85	MP3C	X	-17.871	1
86	MP3C	Z	-10.318	1
87	MP3C	Mx	-.009	1
88	MP3C	X	-17.871	6
89	MP3C	Z	-10.318	6
90	MP3C	Mx	-.009	6
91	OVP	X	-19.915	1
92	OVP	Z	-11.498	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-6.797	2.5
2	MP4A	Z	-11.772	2.5
3	MP4A	Mx	.003	2.5
4	MP4A	X	-6.797	4.5
5	MP4A	Z	-11.772	4.5
6	MP4A	Mx	.003	4.5
7	MP4B	X	-6.797	2.5
8	MP4B	Z	-11.772	2.5
9	MP4B	Mx	.003	2.5
10	MP4B	X	-6.797	4.5
11	MP4B	Z	-11.772	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4B	Mx	.003	4.5
13	MP4C	X	-6.797	2.5
14	MP4C	Z	-11.772	2.5
15	MP4C	Mx	.003	2.5
16	MP4C	X	-6.797	4.5
17	MP4C	Z	-11.772	4.5
18	MP4C	Mx	.003	4.5
19	MP2A	X	-6.181	4
20	MP2A	Z	-10.705	4
21	MP2A	Mx	-.003	4
22	MP2B	X	-6.181	4
23	MP2B	Z	-10.705	4
24	MP2B	Mx	-.003	4
25	MP2C	X	-4.654	4
26	MP2C	Z	-8.061	4
27	MP2C	Mx	.005	4
28	MP3A	X	-6.089	4
29	MP3A	Z	-10.547	4
30	MP3A	Mx	-.003	4
31	MP3B	X	-6.089	4
32	MP3B	Z	-10.547	4
33	MP3B	Mx	-.003	4
34	MP3C	X	-4.288	4
35	MP3C	Z	-7.427	4
36	MP3C	Mx	.004	4
37	MP2A	X	-12.403	1
38	MP2A	Z	-21.483	1
39	MP2A	Mx	-.008	1
40	MP2A	X	-12.403	6
41	MP2A	Z	-21.483	6
42	MP2A	Mx	-.008	6
43	MP2B	X	-12.403	1
44	MP2B	Z	-21.483	1
45	MP2B	Mx	.021	1
46	MP2B	X	-12.403	6
47	MP2B	Z	-21.483	6
48	MP2B	Mx	.021	6
49	MP2C	X	-9.275	1
50	MP2C	Z	-16.065	1
51	MP2C	Mx	-.009	1
52	MP2C	X	-9.275	6
53	MP2C	Z	-16.065	6
54	MP2C	Mx	-.009	6
55	MP2A	X	-12.403	1
56	MP2A	Z	-21.483	1
57	MP2A	Mx	.021	1
58	MP2A	X	-12.403	6
59	MP2A	Z	-21.483	6
60	MP2A	Mx	.021	6
61	MP2B	X	-12.403	1
62	MP2B	Z	-21.483	1
63	MP2B	Mx	-.008	1
64	MP2B	X	-12.403	6
65	MP2B	Z	-21.483	6
66	MP2B	Mx	-.008	6
67	MP2C	X	-9.275	1
68	MP2C	Z	-16.065	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2C	Mx	-.009	1
70	MP2C	X	-9.275	6
71	MP2C	Z	-16.065	6
72	MP2C	Mx	-.009	6
73	MP3A	X	-12.403	1
74	MP3A	Z	-21.483	1
75	MP3A	Mx	.006	1
76	MP3A	X	-12.403	6
77	MP3A	Z	-21.483	6
78	MP3A	Mx	.006	6
79	MP3B	X	-12.403	1
80	MP3B	Z	-21.483	1
81	MP3B	Mx	.006	1
82	MP3B	X	-12.403	6
83	MP3B	Z	-21.483	6
84	MP3B	Mx	.006	6
85	MP3C	X	-9.275	1
86	MP3C	Z	-16.065	1
87	MP3C	Mx	-.009	1
88	MP3C	X	-9.275	6
89	MP3C	Z	-16.065	6
90	MP3C	Mx	-.009	6
91	OVP	X	-12.995	1
92	OVP	Z	-22.508	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.5
2	MP4A	Z	-5.054	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	-5.054	4.5
6	MP4A	Mx	0	4.5
7	MP4B	X	0	2.5
8	MP4B	Z	-5.054	2.5
9	MP4B	Mx	0	2.5
10	MP4B	X	0	4.5
11	MP4B	Z	-5.054	4.5
12	MP4B	Mx	0	4.5
13	MP4C	X	0	2.5
14	MP4C	Z	-5.054	2.5
15	MP4C	Mx	0	2.5
16	MP4C	X	0	4.5
17	MP4C	Z	-5.054	4.5
18	MP4C	Mx	0	4.5
19	MP2A	X	0	4
20	MP2A	Z	-4.022	4
21	MP2A	Mx	0	4
22	MP2B	X	0	4
23	MP2B	Z	-3.022	4
24	MP2B	Mx	-.001	4
25	MP2C	X	0	4
26	MP2C	Z	-3.022	4
27	MP2C	Mx	.001	4
28	MP3A	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3A	Z	-4.022	4
30	MP3A	Mx	0	4
31	MP3B	X	0	4
32	MP3B	Z	-2.84	4
33	MP3B	Mx	-.001	4
34	MP3C	X	0	4
35	MP3C	Z	-2.84	4
36	MP3C	Mx	.001	4
37	MP2A	X	0	1
38	MP2A	Z	-8.774	1
39	MP2A	Mx	-.006	1
40	MP2A	X	0	6
41	MP2A	Z	-8.774	6
42	MP2A	Mx	-.006	6
43	MP2B	X	0	1
44	MP2B	Z	-6.546	1
45	MP2B	Mx	.005	1
46	MP2B	X	0	6
47	MP2B	Z	-6.546	6
48	MP2B	Mx	.005	6
49	MP2C	X	0	1
50	MP2C	Z	-6.546	1
51	MP2C	Mx	-.000653	1
52	MP2C	X	0	6
53	MP2C	Z	-6.546	6
54	MP2C	Mx	-.000653	6
55	MP2A	X	0	1
56	MP2A	Z	-8.774	1
57	MP2A	Mx	.006	1
58	MP2A	X	0	6
59	MP2A	Z	-8.774	6
60	MP2A	Mx	.006	6
61	MP2B	X	0	1
62	MP2B	Z	-6.546	1
63	MP2B	Mx	.000653	1
64	MP2B	X	0	6
65	MP2B	Z	-6.546	6
66	MP2B	Mx	.000653	6
67	MP2C	X	0	1
68	MP2C	Z	-6.546	1
69	MP2C	Mx	-.005	1
70	MP2C	X	0	6
71	MP2C	Z	-6.546	6
72	MP2C	Mx	-.005	6
73	MP3A	X	0	1
74	MP3A	Z	-8.774	1
75	MP3A	Mx	0	1
76	MP3A	X	0	6
77	MP3A	Z	-8.774	6
78	MP3A	Mx	0	6
79	MP3B	X	0	1
80	MP3B	Z	-6.546	1
81	MP3B	Mx	.003	1
82	MP3B	X	0	6
83	MP3B	Z	-6.546	6
84	MP3B	Mx	.003	6
85	MP3C	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP3C	Z	-6.546	1
87	MP3C	Mx	-.003	1
88	MP3C	X	0	6
89	MP3C	Z	-6.546	6
90	MP3C	Mx	-.003	6
91	OVP	X	0	1
92	OVP	Z	-8.731	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.143	2.5
2	MP4A	Z	-3.711	2.5
3	MP4A	Mx	-.001	2.5
4	MP4A	X	2.143	4.5
5	MP4A	Z	-3.711	4.5
6	MP4A	Mx	-.001	4.5
7	MP4B	X	2.143	2.5
8	MP4B	Z	-3.711	2.5
9	MP4B	Mx	-.001	2.5
10	MP4B	X	2.143	4.5
11	MP4B	Z	-3.711	4.5
12	MP4B	Mx	-.001	4.5
13	MP4C	X	2.143	2.5
14	MP4C	Z	-3.711	2.5
15	MP4C	Mx	-.001	2.5
16	MP4C	X	2.143	4.5
17	MP4C	Z	-3.711	4.5
18	MP4C	Mx	-.001	4.5
19	MP2A	X	1.844	4
20	MP2A	Z	-3.194	4
21	MP2A	Mx	.000922	4
22	MP2B	X	1.344	4
23	MP2B	Z	-2.328	4
24	MP2B	Mx	-.001	4
25	MP2C	X	1.844	4
26	MP2C	Z	-3.194	4
27	MP2C	Mx	.000922	4
28	MP3A	X	1.814	4
29	MP3A	Z	-3.142	4
30	MP3A	Mx	.000907	4
31	MP3B	X	1.223	4
32	MP3B	Z	-2.119	4
33	MP3B	Mx	-.001	4
34	MP3C	X	1.814	4
35	MP3C	Z	-3.142	4
36	MP3C	Mx	.000907	4
37	MP2A	X	4.016	1
38	MP2A	Z	-6.955	1
39	MP2A	Mx	-.007	1
40	MP2A	X	4.016	6
41	MP2A	Z	-6.955	6
42	MP2A	Mx	-.007	6
43	MP2B	X	2.901	1
44	MP2B	Z	-5.025	1
45	MP2B	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	X	2.901	6
47	MP2B	Z	-5.025	6
48	MP2B	Mx	.003	6
49	MP2C	X	4.016	1
50	MP2C	Z	-6.955	1
51	MP2C	Mx	.003	1
52	MP2C	X	4.016	6
53	MP2C	Z	-6.955	6
54	MP2C	Mx	.003	6
55	MP2A	X	4.016	1
56	MP2A	Z	-6.955	1
57	MP2A	Mx	.003	1
58	MP2A	X	4.016	6
59	MP2A	Z	-6.955	6
60	MP2A	Mx	.003	6
61	MP2B	X	2.901	1
62	MP2B	Z	-5.025	1
63	MP2B	Mx	.003	1
64	MP2B	X	2.901	6
65	MP2B	Z	-5.025	6
66	MP2B	Mx	.003	6
67	MP2C	X	4.016	1
68	MP2C	Z	-6.955	1
69	MP2C	Mx	-.007	1
70	MP2C	X	4.016	6
71	MP2C	Z	-6.955	6
72	MP2C	Mx	-.007	6
73	MP3A	X	4.016	1
74	MP3A	Z	-6.955	1
75	MP3A	Mx	-.002	1
76	MP3A	X	4.016	6
77	MP3A	Z	-6.955	6
78	MP3A	Mx	-.002	6
79	MP3B	X	2.901	1
80	MP3B	Z	-5.025	1
81	MP3B	Mx	.003	1
82	MP3B	X	2.901	6
83	MP3B	Z	-5.025	6
84	MP3B	Mx	.003	6
85	MP3C	X	4.016	1
86	MP3C	Z	-6.955	1
87	MP3C	Mx	-.002	1
88	MP3C	X	4.016	6
89	MP3C	Z	-6.955	6
90	MP3C	Mx	-.002	6
91	OVP	X	4.107	1
92	OVP	Z	-7.113	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.379	2.5
2	MP4A	Z	-1.374	2.5
3	MP4A	Mx	-.001	2.5
4	MP4A	X	2.379	4.5
5	MP4A	Z	-1.374	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP4A	Mx	-.001	4.5
7	MP4B	X	2.379	2.5
8	MP4B	Z	-1.374	2.5
9	MP4B	Mx	-.001	2.5
10	MP4B	X	2.379	4.5
11	MP4B	Z	-1.374	4.5
12	MP4B	Mx	-.001	4.5
13	MP4C	X	2.379	2.5
14	MP4C	Z	-1.374	2.5
15	MP4C	Mx	-.001	2.5
16	MP4C	X	2.379	4.5
17	MP4C	Z	-1.374	4.5
18	MP4C	Mx	-.001	4.5
19	MP2A	X	2.617	4
20	MP2A	Z	-1.511	4
21	MP2A	Mx	.001	4
22	MP2B	X	2.617	4
23	MP2B	Z	-1.511	4
24	MP2B	Mx	-.001	4
25	MP2C	X	3.483	4
26	MP2C	Z	-2.011	4
27	MP2C	Mx	0	4
28	MP3A	X	2.46	4
29	MP3A	Z	-1.42	4
30	MP3A	Mx	.001	4
31	MP3B	X	2.46	4
32	MP3B	Z	-1.42	4
33	MP3B	Mx	-.001	4
34	MP3C	X	3.483	4
35	MP3C	Z	-2.011	4
36	MP3C	Mx	0	4
37	MP2A	X	5.669	1
38	MP2A	Z	-3.273	1
39	MP2A	Mx	-.005	1
40	MP2A	X	5.669	6
41	MP2A	Z	-3.273	6
42	MP2A	Mx	-.005	6
43	MP2B	X	5.669	1
44	MP2B	Z	-3.273	1
45	MP2B	Mx	.000653	1
46	MP2B	X	5.669	6
47	MP2B	Z	-3.273	6
48	MP2B	Mx	.000653	6
49	MP2C	X	7.599	1
50	MP2C	Z	-4.387	1
51	MP2C	Mx	.006	1
52	MP2C	X	7.599	6
53	MP2C	Z	-4.387	6
54	MP2C	Mx	.006	6
55	MP2A	X	5.669	1
56	MP2A	Z	-3.273	1
57	MP2A	Mx	-.000652	1
58	MP2A	X	5.669	6
59	MP2A	Z	-3.273	6
60	MP2A	Mx	-.000652	6
61	MP2B	X	5.669	1
62	MP2B	Z	-3.273	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2B	Mx	.005	1
64	MP2B	X	5.669	6
65	MP2B	Z	-3.273	6
66	MP2B	Mx	.005	6
67	MP2C	X	7.599	1
68	MP2C	Z	-4.387	1
69	MP2C	Mx	-.006	1
70	MP2C	X	7.599	6
71	MP2C	Z	-4.387	6
72	MP2C	Mx	-.006	6
73	MP3A	X	5.669	1
74	MP3A	Z	-3.273	1
75	MP3A	Mx	-.003	1
76	MP3A	X	5.669	6
77	MP3A	Z	-3.273	6
78	MP3A	Mx	-.003	6
79	MP3B	X	5.669	1
80	MP3B	Z	-3.273	1
81	MP3B	Mx	.003	1
82	MP3B	X	5.669	6
83	MP3B	Z	-3.273	6
84	MP3B	Mx	.003	6
85	MP3C	X	7.599	1
86	MP3C	Z	-4.387	1
87	MP3C	Mx	0	1
88	MP3C	X	7.599	6
89	MP3C	Z	-4.387	6
90	MP3C	Mx	0	6
91	OVP	X	6.217	1
92	OVP	Z	-3.589	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	1.979	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	-.00099	2.5
4	MP4A	X	1.979	4.5
5	MP4A	Z	0	4.5
6	MP4A	Mx	-.00099	4.5
7	MP4B	X	1.979	2.5
8	MP4B	Z	0	2.5
9	MP4B	Mx	-.00099	2.5
10	MP4B	X	1.979	4.5
11	MP4B	Z	0	4.5
12	MP4B	Mx	-.00099	4.5
13	MP4C	X	1.979	2.5
14	MP4C	Z	0	2.5
15	MP4C	Mx	-.00099	2.5
16	MP4C	X	1.979	4.5
17	MP4C	Z	0	4.5
18	MP4C	Mx	-.00099	4.5
19	MP2A	X	2.688	4
20	MP2A	Z	0	4
21	MP2A	Mx	.001	4
22	MP2B	X	3.688	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2B	Z	0	4
24	MP2B	Mx	-.000922	4
25	MP2C	X	3.688	4
26	MP2C	Z	0	4
27	MP2C	Mx	-.000922	4
28	MP3A	X	2.446	4
29	MP3A	Z	0	4
30	MP3A	Mx	.001	4
31	MP3B	X	3.628	4
32	MP3B	Z	0	4
33	MP3B	Mx	-.000907	4
34	MP3C	X	3.628	4
35	MP3C	Z	0	4
36	MP3C	Mx	-.000907	4
37	MP2A	X	5.803	1
38	MP2A	Z	0	1
39	MP2A	Mx	-.003	1
40	MP2A	X	5.803	6
41	MP2A	Z	0	6
42	MP2A	Mx	-.003	6
43	MP2B	X	8.031	1
44	MP2B	Z	0	1
45	MP2B	Mx	-.003	1
46	MP2B	X	8.031	6
47	MP2B	Z	0	6
48	MP2B	Mx	-.003	6
49	MP2C	X	8.031	1
50	MP2C	Z	0	1
51	MP2C	Mx	.007	1
52	MP2C	X	8.031	6
53	MP2C	Z	0	6
54	MP2C	Mx	.007	6
55	MP2A	X	5.803	1
56	MP2A	Z	0	1
57	MP2A	Mx	-.003	1
58	MP2A	X	5.803	6
59	MP2A	Z	0	6
60	MP2A	Mx	-.003	6
61	MP2B	X	8.031	1
62	MP2B	Z	0	1
63	MP2B	Mx	.007	1
64	MP2B	X	8.031	6
65	MP2B	Z	0	6
66	MP2B	Mx	.007	6
67	MP2C	X	8.031	1
68	MP2C	Z	0	1
69	MP2C	Mx	-.003	1
70	MP2C	X	8.031	6
71	MP2C	Z	0	6
72	MP2C	Mx	-.003	6
73	MP3A	X	5.803	1
74	MP3A	Z	0	1
75	MP3A	Mx	-.003	1
76	MP3A	X	5.803	6
77	MP3A	Z	0	6
78	MP3A	Mx	-.003	6
79	MP3B	X	8.031	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3B	Z	0	1
81	MP3B	Mx	.002	1
82	MP3B	X	8.031	6
83	MP3B	Z	0	6
84	MP3B	Mx	.002	6
85	MP3C	X	8.031	1
86	MP3C	Z	0	1
87	MP3C	Mx	.002	1
88	MP3C	X	8.031	6
89	MP3C	Z	0	6
90	MP3C	Mx	.002	6
91	OVP	X	6.661	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.379	2.5
2	MP4A	Z	1.374	2.5
3	MP4A	Mx	-.001	2.5
4	MP4A	X	2.379	4.5
5	MP4A	Z	1.374	4.5
6	MP4A	Mx	-.001	4.5
7	MP4B	X	2.379	2.5
8	MP4B	Z	1.374	2.5
9	MP4B	Mx	-.001	2.5
10	MP4B	X	2.379	4.5
11	MP4B	Z	1.374	4.5
12	MP4B	Mx	-.001	4.5
13	MP4C	X	2.379	2.5
14	MP4C	Z	1.374	2.5
15	MP4C	Mx	-.001	2.5
16	MP4C	X	2.379	4.5
17	MP4C	Z	1.374	4.5
18	MP4C	Mx	-.001	4.5
19	MP2A	X	2.617	4
20	MP2A	Z	1.511	4
21	MP2A	Mx	.001	4
22	MP2B	X	3.483	4
23	MP2B	Z	2.011	4
24	MP2B	Mx	0	4
25	MP2C	X	2.617	4
26	MP2C	Z	1.511	4
27	MP2C	Mx	-.001	4
28	MP3A	X	2.46	4
29	MP3A	Z	1.42	4
30	MP3A	Mx	.001	4
31	MP3B	X	3.483	4
32	MP3B	Z	2.011	4
33	MP3B	Mx	0	4
34	MP3C	X	2.46	4
35	MP3C	Z	1.42	4
36	MP3C	Mx	-.001	4
37	MP2A	X	5.669	1
38	MP2A	Z	3.273	1
39	MP2A	Mx	-.000652	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	5.669	6
41	MP2A	Z	3.273	6
42	MP2A	Mx	-.000652	6
43	MP2B	X	7.599	1
44	MP2B	Z	4.387	1
45	MP2B	Mx	-.006	1
46	MP2B	X	7.599	6
47	MP2B	Z	4.387	6
48	MP2B	Mx	-.006	6
49	MP2C	X	5.669	1
50	MP2C	Z	3.273	1
51	MP2C	Mx	.005	1
52	MP2C	X	5.669	6
53	MP2C	Z	3.273	6
54	MP2C	Mx	.005	6
55	MP2A	X	5.669	1
56	MP2A	Z	3.273	1
57	MP2A	Mx	-.005	1
58	MP2A	X	5.669	6
59	MP2A	Z	3.273	6
60	MP2A	Mx	-.005	6
61	MP2B	X	7.599	1
62	MP2B	Z	4.387	1
63	MP2B	Mx	.006	1
64	MP2B	X	7.599	6
65	MP2B	Z	4.387	6
66	MP2B	Mx	.006	6
67	MP2C	X	5.669	1
68	MP2C	Z	3.273	1
69	MP2C	Mx	.000653	1
70	MP2C	X	5.669	6
71	MP2C	Z	3.273	6
72	MP2C	Mx	.000653	6
73	MP3A	X	5.669	1
74	MP3A	Z	3.273	1
75	MP3A	Mx	-.003	1
76	MP3A	X	5.669	6
77	MP3A	Z	3.273	6
78	MP3A	Mx	-.003	6
79	MP3B	X	7.599	1
80	MP3B	Z	4.387	1
81	MP3B	Mx	0	1
82	MP3B	X	7.599	6
83	MP3B	Z	4.387	6
84	MP3B	Mx	0	6
85	MP3C	X	5.669	1
86	MP3C	Z	3.273	1
87	MP3C	Mx	.003	1
88	MP3C	X	5.669	6
89	MP3C	Z	3.273	6
90	MP3C	Mx	.003	6
91	OVP	X	6.217	1
92	OVP	Z	3.589	1
93	OVP	Mx	0	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.143	2.5
2	MP4A	Z	3.711	2.5
3	MP4A	Mx	-.001	2.5
4	MP4A	X	2.143	4.5
5	MP4A	Z	3.711	4.5
6	MP4A	Mx	-.001	4.5
7	MP4B	X	2.143	2.5
8	MP4B	Z	3.711	2.5
9	MP4B	Mx	-.001	2.5
10	MP4B	X	2.143	4.5
11	MP4B	Z	3.711	4.5
12	MP4B	Mx	-.001	4.5
13	MP4C	X	2.143	2.5
14	MP4C	Z	3.711	2.5
15	MP4C	Mx	-.001	2.5
16	MP4C	X	2.143	4.5
17	MP4C	Z	3.711	4.5
18	MP4C	Mx	-.001	4.5
19	MP2A	X	1.844	4
20	MP2A	Z	3.194	4
21	MP2A	Mx	.000922	4
22	MP2B	X	1.844	4
23	MP2B	Z	3.194	4
24	MP2B	Mx	.000922	4
25	MP2C	X	1.344	4
26	MP2C	Z	2.328	4
27	MP2C	Mx	-.001	4
28	MP3A	X	1.814	4
29	MP3A	Z	3.142	4
30	MP3A	Mx	.000907	4
31	MP3B	X	1.814	4
32	MP3B	Z	3.142	4
33	MP3B	Mx	.000907	4
34	MP3C	X	1.223	4
35	MP3C	Z	2.119	4
36	MP3C	Mx	-.001	4
37	MP2A	X	4.016	1
38	MP2A	Z	6.955	1
39	MP2A	Mx	.003	1
40	MP2A	X	4.016	6
41	MP2A	Z	6.955	6
42	MP2A	Mx	.003	6
43	MP2B	X	4.016	1
44	MP2B	Z	6.955	1
45	MP2B	Mx	-.007	1
46	MP2B	X	4.016	6
47	MP2B	Z	6.955	6
48	MP2B	Mx	-.007	6
49	MP2C	X	2.901	1
50	MP2C	Z	5.025	1
51	MP2C	Mx	.003	1
52	MP2C	X	2.901	6
53	MP2C	Z	5.025	6
54	MP2C	Mx	.003	6
55	MP2A	X	4.016	1
56	MP2A	Z	6.955	1
57	MP2A	Mx	-.007	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	4.016	6
59	MP2A	Z	6.955	6
60	MP2A	Mx	-.007	6
61	MP2B	X	4.016	1
62	MP2B	Z	6.955	1
63	MP2B	Mx	.003	1
64	MP2B	X	4.016	6
65	MP2B	Z	6.955	6
66	MP2B	Mx	.003	6
67	MP2C	X	2.901	1
68	MP2C	Z	5.025	1
69	MP2C	Mx	.003	1
70	MP2C	X	2.901	6
71	MP2C	Z	5.025	6
72	MP2C	Mx	.003	6
73	MP3A	X	4.016	1
74	MP3A	Z	6.955	1
75	MP3A	Mx	-.002	1
76	MP3A	X	4.016	6
77	MP3A	Z	6.955	6
78	MP3A	Mx	-.002	6
79	MP3B	X	4.016	1
80	MP3B	Z	6.955	1
81	MP3B	Mx	-.002	1
82	MP3B	X	4.016	6
83	MP3B	Z	6.955	6
84	MP3B	Mx	-.002	6
85	MP3C	X	2.901	1
86	MP3C	Z	5.025	1
87	MP3C	Mx	.003	1
88	MP3C	X	2.901	6
89	MP3C	Z	5.025	6
90	MP3C	Mx	.003	6
91	OVP	X	4.107	1
92	OVP	Z	7.113	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.5
2	MP4A	Z	5.054	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	5.054	4.5
6	MP4A	Mx	0	4.5
7	MP4B	X	0	2.5
8	MP4B	Z	5.054	2.5
9	MP4B	Mx	0	2.5
10	MP4B	X	0	4.5
11	MP4B	Z	5.054	4.5
12	MP4B	Mx	0	4.5
13	MP4C	X	0	2.5
14	MP4C	Z	5.054	2.5
15	MP4C	Mx	0	2.5
16	MP4C	X	0	4.5
17	MP4C	Z	5.054	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4C	Mx	0	4.5
19	MP2A	X	0	4
20	MP2A	Z	4.022	4
21	MP2A	Mx	0	4
22	MP2B	X	0	4
23	MP2B	Z	3.022	4
24	MP2B	Mx	.001	4
25	MP2C	X	0	4
26	MP2C	Z	3.022	4
27	MP2C	Mx	-.001	4
28	MP3A	X	0	4
29	MP3A	Z	4.022	4
30	MP3A	Mx	0	4
31	MP3B	X	0	4
32	MP3B	Z	2.84	4
33	MP3B	Mx	.001	4
34	MP3C	X	0	4
35	MP3C	Z	2.84	4
36	MP3C	Mx	-.001	4
37	MP2A	X	0	1
38	MP2A	Z	8.774	1
39	MP2A	Mx	.006	1
40	MP2A	X	0	6
41	MP2A	Z	8.774	6
42	MP2A	Mx	.006	6
43	MP2B	X	0	1
44	MP2B	Z	6.546	1
45	MP2B	Mx	-.005	1
46	MP2B	X	0	6
47	MP2B	Z	6.546	6
48	MP2B	Mx	-.005	6
49	MP2C	X	0	1
50	MP2C	Z	6.546	1
51	MP2C	Mx	.000653	1
52	MP2C	X	0	6
53	MP2C	Z	6.546	6
54	MP2C	Mx	.000653	6
55	MP2A	X	0	1
56	MP2A	Z	8.774	1
57	MP2A	Mx	-.006	1
58	MP2A	X	0	6
59	MP2A	Z	8.774	6
60	MP2A	Mx	-.006	6
61	MP2B	X	0	1
62	MP2B	Z	6.546	1
63	MP2B	Mx	-.000653	1
64	MP2B	X	0	6
65	MP2B	Z	6.546	6
66	MP2B	Mx	-.000653	6
67	MP2C	X	0	1
68	MP2C	Z	6.546	1
69	MP2C	Mx	.005	1
70	MP2C	X	0	6
71	MP2C	Z	6.546	6
72	MP2C	Mx	.005	6
73	MP3A	X	0	1
74	MP3A	Z	8.774	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	0	1
76	MP3A	X	0	6
77	MP3A	Z	8.774	6
78	MP3A	Mx	0	6
79	MP3B	X	0	1
80	MP3B	Z	6.546	1
81	MP3B	Mx	-.003	1
82	MP3B	X	0	6
83	MP3B	Z	6.546	6
84	MP3B	Mx	-.003	6
85	MP3C	X	0	1
86	MP3C	Z	6.546	1
87	MP3C	Mx	.003	1
88	MP3C	X	0	6
89	MP3C	Z	6.546	6
90	MP3C	Mx	.003	6
91	OVP	X	0	1
92	OVP	Z	8.731	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.143	2.5
2	MP4A	Z	3.711	2.5
3	MP4A	Mx	.001	2.5
4	MP4A	X	-2.143	4.5
5	MP4A	Z	3.711	4.5
6	MP4A	Mx	.001	4.5
7	MP4B	X	-2.143	2.5
8	MP4B	Z	3.711	2.5
9	MP4B	Mx	.001	2.5
10	MP4B	X	-2.143	4.5
11	MP4B	Z	3.711	4.5
12	MP4B	Mx	.001	4.5
13	MP4C	X	-2.143	2.5
14	MP4C	Z	3.711	2.5
15	MP4C	Mx	.001	2.5
16	MP4C	X	-2.143	4.5
17	MP4C	Z	3.711	4.5
18	MP4C	Mx	.001	4.5
19	MP2A	X	-1.844	4
20	MP2A	Z	3.194	4
21	MP2A	Mx	-.000922	4
22	MP2B	X	-1.344	4
23	MP2B	Z	2.328	4
24	MP2B	Mx	.001	4
25	MP2C	X	-1.844	4
26	MP2C	Z	3.194	4
27	MP2C	Mx	-.000922	4
28	MP3A	X	-1.814	4
29	MP3A	Z	3.142	4
30	MP3A	Mx	-.000907	4
31	MP3B	X	-1.223	4
32	MP3B	Z	2.119	4
33	MP3B	Mx	.001	4
34	MP3C	X	-1.814	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	3.142	4
36	MP3C	Mx	-.000907	4
37	MP2A	X	-4.016	1
38	MP2A	Z	6.955	1
39	MP2A	Mx	.007	1
40	MP2A	X	-4.016	6
41	MP2A	Z	6.955	6
42	MP2A	Mx	.007	6
43	MP2B	X	-2.901	1
44	MP2B	Z	5.025	1
45	MP2B	Mx	-.003	1
46	MP2B	X	-2.901	6
47	MP2B	Z	5.025	6
48	MP2B	Mx	-.003	6
49	MP2C	X	-4.016	1
50	MP2C	Z	6.955	1
51	MP2C	Mx	-.003	1
52	MP2C	X	-4.016	6
53	MP2C	Z	6.955	6
54	MP2C	Mx	-.003	6
55	MP2A	X	-4.016	1
56	MP2A	Z	6.955	1
57	MP2A	Mx	-.003	1
58	MP2A	X	-4.016	6
59	MP2A	Z	6.955	6
60	MP2A	Mx	-.003	6
61	MP2B	X	-2.901	1
62	MP2B	Z	5.025	1
63	MP2B	Mx	-.003	1
64	MP2B	X	-2.901	6
65	MP2B	Z	5.025	6
66	MP2B	Mx	-.003	6
67	MP2C	X	-4.016	1
68	MP2C	Z	6.955	1
69	MP2C	Mx	.007	1
70	MP2C	X	-4.016	6
71	MP2C	Z	6.955	6
72	MP2C	Mx	.007	6
73	MP3A	X	-4.016	1
74	MP3A	Z	6.955	1
75	MP3A	Mx	.002	1
76	MP3A	X	-4.016	6
77	MP3A	Z	6.955	6
78	MP3A	Mx	.002	6
79	MP3B	X	-2.901	1
80	MP3B	Z	5.025	1
81	MP3B	Mx	-.003	1
82	MP3B	X	-2.901	6
83	MP3B	Z	5.025	6
84	MP3B	Mx	-.003	6
85	MP3C	X	-4.016	1
86	MP3C	Z	6.955	1
87	MP3C	Mx	.002	1
88	MP3C	X	-4.016	6
89	MP3C	Z	6.955	6
90	MP3C	Mx	.002	6
91	OVP	X	-4.107	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	OVP	Z	7.113	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.379	2.5
2	MP4A	Z	1.374	2.5
3	MP4A	Mx	.001	2.5
4	MP4A	X	-2.379	4.5
5	MP4A	Z	1.374	4.5
6	MP4A	Mx	.001	4.5
7	MP4B	X	-2.379	2.5
8	MP4B	Z	1.374	2.5
9	MP4B	Mx	.001	2.5
10	MP4B	X	-2.379	4.5
11	MP4B	Z	1.374	4.5
12	MP4B	Mx	.001	4.5
13	MP4C	X	-2.379	2.5
14	MP4C	Z	1.374	2.5
15	MP4C	Mx	.001	2.5
16	MP4C	X	-2.379	4.5
17	MP4C	Z	1.374	4.5
18	MP4C	Mx	.001	4.5
19	MP2A	X	-2.617	4
20	MP2A	Z	1.511	4
21	MP2A	Mx	-.001	4
22	MP2B	X	-2.617	4
23	MP2B	Z	1.511	4
24	MP2B	Mx	.001	4
25	MP2C	X	-3.483	4
26	MP2C	Z	2.011	4
27	MP2C	Mx	0	4
28	MP3A	X	-2.46	4
29	MP3A	Z	1.42	4
30	MP3A	Mx	-.001	4
31	MP3B	X	-2.46	4
32	MP3B	Z	1.42	4
33	MP3B	Mx	.001	4
34	MP3C	X	-3.483	4
35	MP3C	Z	2.011	4
36	MP3C	Mx	0	4
37	MP2A	X	-5.669	1
38	MP2A	Z	3.273	1
39	MP2A	Mx	.005	1
40	MP2A	X	-5.669	6
41	MP2A	Z	3.273	6
42	MP2A	Mx	.005	6
43	MP2B	X	-5.669	1
44	MP2B	Z	3.273	1
45	MP2B	Mx	-.000653	1
46	MP2B	X	-5.669	6
47	MP2B	Z	3.273	6
48	MP2B	Mx	-.000653	6
49	MP2C	X	-7.599	1
50	MP2C	Z	4.387	1
51	MP2C	Mx	-.006	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2C	X	-7.599	6
53	MP2C	Z	4.387	6
54	MP2C	Mx	-.006	6
55	MP2A	X	-5.669	1
56	MP2A	Z	3.273	1
57	MP2A	Mx	.000652	1
58	MP2A	X	-5.669	6
59	MP2A	Z	3.273	6
60	MP2A	Mx	.000652	6
61	MP2B	X	-5.669	1
62	MP2B	Z	3.273	1
63	MP2B	Mx	-.005	1
64	MP2B	X	-5.669	6
65	MP2B	Z	3.273	6
66	MP2B	Mx	-.005	6
67	MP2C	X	-7.599	1
68	MP2C	Z	4.387	1
69	MP2C	Mx	.006	1
70	MP2C	X	-7.599	6
71	MP2C	Z	4.387	6
72	MP2C	Mx	.006	6
73	MP3A	X	-5.669	1
74	MP3A	Z	3.273	1
75	MP3A	Mx	.003	1
76	MP3A	X	-5.669	6
77	MP3A	Z	3.273	6
78	MP3A	Mx	.003	6
79	MP3B	X	-5.669	1
80	MP3B	Z	3.273	1
81	MP3B	Mx	-.003	1
82	MP3B	X	-5.669	6
83	MP3B	Z	3.273	6
84	MP3B	Mx	-.003	6
85	MP3C	X	-7.599	1
86	MP3C	Z	4.387	1
87	MP3C	Mx	0	1
88	MP3C	X	-7.599	6
89	MP3C	Z	4.387	6
90	MP3C	Mx	0	6
91	OVP	X	-6.217	1
92	OVP	Z	3.589	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-1.979	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	.00099	2.5
4	MP4A	X	-1.979	4.5
5	MP4A	Z	0	4.5
6	MP4A	Mx	.00099	4.5
7	MP4B	X	-1.979	2.5
8	MP4B	Z	0	2.5
9	MP4B	Mx	.00099	2.5
10	MP4B	X	-1.979	4.5
11	MP4B	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4B	Mx	.00099	4.5
13	MP4C	X	-1.979	2.5
14	MP4C	Z	0	2.5
15	MP4C	Mx	.00099	2.5
16	MP4C	X	-1.979	4.5
17	MP4C	Z	0	4.5
18	MP4C	Mx	.00099	4.5
19	MP2A	X	-2.688	4
20	MP2A	Z	0	4
21	MP2A	Mx	-.001	4
22	MP2B	X	-3.688	4
23	MP2B	Z	0	4
24	MP2B	Mx	.000922	4
25	MP2C	X	-3.688	4
26	MP2C	Z	0	4
27	MP2C	Mx	.000922	4
28	MP3A	X	-2.446	4
29	MP3A	Z	0	4
30	MP3A	Mx	-.001	4
31	MP3B	X	-3.628	4
32	MP3B	Z	0	4
33	MP3B	Mx	.000907	4
34	MP3C	X	-3.628	4
35	MP3C	Z	0	4
36	MP3C	Mx	.000907	4
37	MP2A	X	-5.803	1
38	MP2A	Z	0	1
39	MP2A	Mx	.003	1
40	MP2A	X	-5.803	6
41	MP2A	Z	0	6
42	MP2A	Mx	.003	6
43	MP2B	X	-8.031	1
44	MP2B	Z	0	1
45	MP2B	Mx	.003	1
46	MP2B	X	-8.031	6
47	MP2B	Z	0	6
48	MP2B	Mx	.003	6
49	MP2C	X	-8.031	1
50	MP2C	Z	0	1
51	MP2C	Mx	-.007	1
52	MP2C	X	-8.031	6
53	MP2C	Z	0	6
54	MP2C	Mx	-.007	6
55	MP2A	X	-5.803	1
56	MP2A	Z	0	1
57	MP2A	Mx	.003	1
58	MP2A	X	-5.803	6
59	MP2A	Z	0	6
60	MP2A	Mx	.003	6
61	MP2B	X	-8.031	1
62	MP2B	Z	0	1
63	MP2B	Mx	-.007	1
64	MP2B	X	-8.031	6
65	MP2B	Z	0	6
66	MP2B	Mx	-.007	6
67	MP2C	X	-8.031	1
68	MP2C	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2C	Mx	.003	1
70	MP2C	X	-8.031	6
71	MP2C	Z	0	6
72	MP2C	Mx	.003	6
73	MP3A	X	-5.803	1
74	MP3A	Z	0	1
75	MP3A	Mx	.003	1
76	MP3A	X	-5.803	6
77	MP3A	Z	0	6
78	MP3A	Mx	.003	6
79	MP3B	X	-8.031	1
80	MP3B	Z	0	1
81	MP3B	Mx	-.002	1
82	MP3B	X	-8.031	6
83	MP3B	Z	0	6
84	MP3B	Mx	-.002	6
85	MP3C	X	-8.031	1
86	MP3C	Z	0	1
87	MP3C	Mx	-.002	1
88	MP3C	X	-8.031	6
89	MP3C	Z	0	6
90	MP3C	Mx	-.002	6
91	OVP	X	-6.661	1
92	OVP	Z	0	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.379	2.5
2	MP4A	Z	-1.374	2.5
3	MP4A	Mx	.001	2.5
4	MP4A	X	-2.379	4.5
5	MP4A	Z	-1.374	4.5
6	MP4A	Mx	.001	4.5
7	MP4B	X	-2.379	2.5
8	MP4B	Z	-1.374	2.5
9	MP4B	Mx	.001	2.5
10	MP4B	X	-2.379	4.5
11	MP4B	Z	-1.374	4.5
12	MP4B	Mx	.001	4.5
13	MP4C	X	-2.379	2.5
14	MP4C	Z	-1.374	2.5
15	MP4C	Mx	.001	2.5
16	MP4C	X	-2.379	4.5
17	MP4C	Z	-1.374	4.5
18	MP4C	Mx	.001	4.5
19	MP2A	X	-2.617	4
20	MP2A	Z	-1.511	4
21	MP2A	Mx	-.001	4
22	MP2B	X	-3.483	4
23	MP2B	Z	-2.011	4
24	MP2B	Mx	0	4
25	MP2C	X	-2.617	4
26	MP2C	Z	-1.511	4
27	MP2C	Mx	.001	4
28	MP3A	X	-2.46	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3A	Z	-1.42	4
30	MP3A	Mx	-.001	4
31	MP3B	X	-3.483	4
32	MP3B	Z	-2.011	4
33	MP3B	Mx	0	4
34	MP3C	X	-2.46	4
35	MP3C	Z	-1.42	4
36	MP3C	Mx	.001	4
37	MP2A	X	-5.669	1
38	MP2A	Z	-3.273	1
39	MP2A	Mx	.000652	1
40	MP2A	X	-5.669	6
41	MP2A	Z	-3.273	6
42	MP2A	Mx	.000652	6
43	MP2B	X	-7.599	1
44	MP2B	Z	-4.387	1
45	MP2B	Mx	.006	1
46	MP2B	X	-7.599	6
47	MP2B	Z	-4.387	6
48	MP2B	Mx	.006	6
49	MP2C	X	-5.669	1
50	MP2C	Z	-3.273	1
51	MP2C	Mx	-.005	1
52	MP2C	X	-5.669	6
53	MP2C	Z	-3.273	6
54	MP2C	Mx	-.005	6
55	MP2A	X	-5.669	1
56	MP2A	Z	-3.273	1
57	MP2A	Mx	.005	1
58	MP2A	X	-5.669	6
59	MP2A	Z	-3.273	6
60	MP2A	Mx	.005	6
61	MP2B	X	-7.599	1
62	MP2B	Z	-4.387	1
63	MP2B	Mx	-.006	1
64	MP2B	X	-7.599	6
65	MP2B	Z	-4.387	6
66	MP2B	Mx	-.006	6
67	MP2C	X	-5.669	1
68	MP2C	Z	-3.273	1
69	MP2C	Mx	-.000653	1
70	MP2C	X	-5.669	6
71	MP2C	Z	-3.273	6
72	MP2C	Mx	-.000653	6
73	MP3A	X	-5.669	1
74	MP3A	Z	-3.273	1
75	MP3A	Mx	.003	1
76	MP3A	X	-5.669	6
77	MP3A	Z	-3.273	6
78	MP3A	Mx	.003	6
79	MP3B	X	-7.599	1
80	MP3B	Z	-4.387	1
81	MP3B	Mx	0	1
82	MP3B	X	-7.599	6
83	MP3B	Z	-4.387	6
84	MP3B	Mx	0	6
85	MP3C	X	-5.669	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP3C	Z	-3.273	1
87	MP3C	Mx	-.003	1
88	MP3C	X	-5.669	6
89	MP3C	Z	-3.273	6
90	MP3C	Mx	-.003	6
91	OVP	X	-6.217	1
92	OVP	Z	-3.589	1
93	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.143	2.5
2	MP4A	Z	-3.711	2.5
3	MP4A	Mx	.001	2.5
4	MP4A	X	-2.143	4.5
5	MP4A	Z	-3.711	4.5
6	MP4A	Mx	.001	4.5
7	MP4B	X	-2.143	2.5
8	MP4B	Z	-3.711	2.5
9	MP4B	Mx	.001	2.5
10	MP4B	X	-2.143	4.5
11	MP4B	Z	-3.711	4.5
12	MP4B	Mx	.001	4.5
13	MP4C	X	-2.143	2.5
14	MP4C	Z	-3.711	2.5
15	MP4C	Mx	.001	2.5
16	MP4C	X	-2.143	4.5
17	MP4C	Z	-3.711	4.5
18	MP4C	Mx	.001	4.5
19	MP2A	X	-1.844	4
20	MP2A	Z	-3.194	4
21	MP2A	Mx	-.000922	4
22	MP2B	X	-1.844	4
23	MP2B	Z	-3.194	4
24	MP2B	Mx	-.000922	4
25	MP2C	X	-1.344	4
26	MP2C	Z	-2.328	4
27	MP2C	Mx	.001	4
28	MP3A	X	-1.814	4
29	MP3A	Z	-3.142	4
30	MP3A	Mx	-.000907	4
31	MP3B	X	-1.814	4
32	MP3B	Z	-3.142	4
33	MP3B	Mx	-.000907	4
34	MP3C	X	-1.223	4
35	MP3C	Z	-2.119	4
36	MP3C	Mx	.001	4
37	MP2A	X	-4.016	1
38	MP2A	Z	-6.955	1
39	MP2A	Mx	-.003	1
40	MP2A	X	-4.016	6
41	MP2A	Z	-6.955	6
42	MP2A	Mx	-.003	6
43	MP2B	X	-4.016	1
44	MP2B	Z	-6.955	1
45	MP2B	Mx	.007	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	X	-4.016	6
47	MP2B	Z	-6.955	6
48	MP2B	Mx	.007	6
49	MP2C	X	-2.901	1
50	MP2C	Z	-5.025	1
51	MP2C	Mx	-.003	1
52	MP2C	X	-2.901	6
53	MP2C	Z	-5.025	6
54	MP2C	Mx	-.003	6
55	MP2A	X	-4.016	1
56	MP2A	Z	-6.955	1
57	MP2A	Mx	.007	1
58	MP2A	X	-4.016	6
59	MP2A	Z	-6.955	6
60	MP2A	Mx	.007	6
61	MP2B	X	-4.016	1
62	MP2B	Z	-6.955	1
63	MP2B	Mx	-.003	1
64	MP2B	X	-4.016	6
65	MP2B	Z	-6.955	6
66	MP2B	Mx	-.003	6
67	MP2C	X	-2.901	1
68	MP2C	Z	-5.025	1
69	MP2C	Mx	-.003	1
70	MP2C	X	-2.901	6
71	MP2C	Z	-5.025	6
72	MP2C	Mx	-.003	6
73	MP3A	X	-4.016	1
74	MP3A	Z	-6.955	1
75	MP3A	Mx	.002	1
76	MP3A	X	-4.016	6
77	MP3A	Z	-6.955	6
78	MP3A	Mx	.002	6
79	MP3B	X	-4.016	1
80	MP3B	Z	-6.955	1
81	MP3B	Mx	.002	1
82	MP3B	X	-4.016	6
83	MP3B	Z	-6.955	6
84	MP3B	Mx	.002	6
85	MP3C	X	-2.901	1
86	MP3C	Z	-5.025	1
87	MP3C	Mx	-.003	1
88	MP3C	X	-2.901	6
89	MP3C	Z	-5.025	6
90	MP3C	Mx	-.003	6
91	OVP	X	-4.107	1
92	OVP	Z	-7.113	1
93	OVP	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%64

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%35

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-6.607	-6.607	0	%100
2	M4	Y	-9.664	-9.664	0	%100
3	M10	Y	-9.664	-9.664	0	%100
4	MP3A	Y	-5.012	-5.012	0	%100
5	MP4A	Y	-5.012	-5.012	0	%100
6	MP2A	Y	-5.012	-5.012	0	%100
7	MP1A	Y	-5.012	-5.012	0	%100
8	M43	Y	-9.664	-9.664	0	%100
9	M46	Y	-10.18	-10.18	0	%100
10	M51B	Y	-5.655	-5.655	0	%100
11	M52B	Y	-5.655	-5.655	0	%100
12	M76	Y	-10.167	-10.167	0	%100
13	M77	Y	-10.167	-10.167	0	%100
14	M80	Y	-10.18	-10.18	0	%100
15	M84	Y	-10.167	-10.167	0	%100
16	M85	Y	-10.167	-10.167	0	%100
17	M91	Y	-10.18	-10.18	0	%100
18	M52A	Y	-9.664	-9.664	0	%100
19	M53	Y	-9.664	-9.664	0	%100
20	M54	Y	-9.664	-9.664	0	%100
21	M55	Y	-10.18	-10.18	0	%100
22	M58A	Y	-5.655	-5.655	0	%100
23	M59A	Y	-5.655	-5.655	0	%100
24	M63	Y	-10.167	-10.167	0	%100
25	M64	Y	-10.167	-10.167	0	%100
26	M66	Y	-10.18	-10.18	0	%100
27	M68	Y	-10.167	-10.167	0	%100
28	M69	Y	-10.167	-10.167	0	%100
29	M71	Y	-10.18	-10.18	0	%100
30	M76A	Y	-9.664	-9.664	0	%100
31	M77A	Y	-9.664	-9.664	0	%100
32	M78	Y	-9.664	-9.664	0	%100
33	M79A	Y	-10.18	-10.18	0	%100
34	M82	Y	-5.655	-5.655	0	%100
35	M83A	Y	-5.655	-5.655	0	%100
36	M87	Y	-10.167	-10.167	0	%100
37	M88A	Y	-10.167	-10.167	0	%100
38	M90	Y	-10.18	-10.18	0	%100
39	M92A	Y	-10.167	-10.167	0	%100
40	M93	Y	-10.167	-10.167	0	%100
41	M95	Y	-10.18	-10.18	0	%100
42	M82A	Y	-6.607	-6.607	0	%100
43	M91B	Y	-6.607	-6.607	0	%100
44	M100	Y	-8.733	-8.733	0	%100
45	M101	Y	-8.733	-8.733	0	%100
46	M102	Y	-8.733	-8.733	0	%100
47	M103	Y	-5.012	-5.012	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,%]
48	MP3C	Y	-5.012	-5.012	0	%100
49	MP4C	Y	-5.012	-5.012	0	%100
50	MP2C	Y	-5.012	-5.012	0	%100
51	MP1C	Y	-5.012	-5.012	0	%100
52	M102A	Y	-5.012	-5.012	0	%100
53	MP3B	Y	-5.012	-5.012	0	%100
54	MP4B	Y	-5.012	-5.012	0	%100
55	MP2B	Y	-5.012	-5.012	0	%100
56	MP1B	Y	-5.012	-5.012	0	%100
57	M117	Y	-5.012	-5.012	0	%100
58	OVP	Y	-5.012	-5.012	0	%100
59	M126	Y	-7.659	-7.659	0	%100
60	M127	Y	-7.659	-7.659	0	%100
61	M128	Y	-7.659	-7.659	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	-12.86	-12.86	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-11.052	-11.052	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-8.726	-8.726	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-8.726	-8.726	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-8.726	-8.726	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-8.726	-8.726	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-11.052	-11.052	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-22.045	-22.045	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-3.06	-3.06	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-3.06	-3.06	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-5.613	-5.613	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-5.912	-5.912	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-5.613	-5.613	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-5.912	-5.912	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-9.796	-9.796	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-2.763	-2.763	0	%100
39	M54	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,%]
40	M54	Z	-2.763	-2.763	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-5.511	-5.511	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-3.06	-3.06	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-12.241	-12.241	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-16.534	-16.534	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-5.613	-5.613	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-5.912	-5.912	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-16.534	-16.534	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-22.453	-22.453	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	-23.65	-23.65	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-9.796	-9.796	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-2.763	-2.763	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-2.763	-2.763	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-5.511	-5.511	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-12.241	-12.241	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-3.06	-3.06	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-16.534	-16.534	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-22.453	-22.453	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-23.65	-23.65	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-16.534	-16.534	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-5.613	-5.613	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-5.912	-5.912	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-3.215	-3.215	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-3.215	-3.215	0	%100
87	M100	X	0	0	0	%100
88	M100	Z	-14.029	-14.029	0	%100
89	M101	X	0	0	0	%100
90	M101	Z	-13.696	-13.696	0	%100
91	M102	X	0	0	0	%100
92	M102	Z	-13.696	-13.696	0	%100
93	M103	X	0	0	0	%100
94	M103	Z	-8.726	-8.726	0	%100
95	MP3C	X	0	0	0	%100
96	MP3C	Z	-8.726	-8.726	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,%]
97	MP4C	X	0	0	0	%100
98	MP4C	Z	-8.726	-8.726	0	%100
99	MP2C	X	0	0	0	%100
100	MP2C	Z	-8.726	-8.726	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	-8.726	-8.726	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	-2.182	-2.182	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	-8.726	-8.726	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	-8.726	-8.726	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	-8.726	-8.726	0	%100
111	MP1B	X	0	0	0	%100
112	MP1B	Z	-8.726	-8.726	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	-2.182	-2.182	0	%100
115	OVP	X	0	0	0	%100
116	OVP	Z	-7.136	-7.136	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	-3.002	-3.002	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	-3.002	-3.002	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	-12.007	-12.007	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.822	4.822	0	%100
2	M1	Z	-8.353	-8.353	0	%100
3	M4	X	1.633	1.633	0	%100
4	M4	Z	-2.828	-2.828	0	%100
5	M10	X	4.145	4.145	0	%100
6	M10	Z	-7.179	-7.179	0	%100
7	MP3A	X	4.363	4.363	0	%100
8	MP3A	Z	-7.557	-7.557	0	%100
9	MP4A	X	4.363	4.363	0	%100
10	MP4A	Z	-7.557	-7.557	0	%100
11	MP2A	X	4.363	4.363	0	%100
12	MP2A	Z	-7.557	-7.557	0	%100
13	MP1A	X	4.363	4.363	0	%100
14	MP1A	Z	-7.557	-7.557	0	%100
15	M43	X	4.145	4.145	0	%100
16	M43	Z	-7.179	-7.179	0	%100
17	M46	X	8.267	8.267	0	%100
18	M46	Z	-14.319	-14.319	0	%100
19	M51B	X	4.59	4.59	0	%100
20	M51B	Z	-7.951	-7.951	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	2.756	2.756	0	%100
24	M76	Z	-4.773	-4.773	0	%100
25	M77	X	8.42	8.42	0	%100
26	M77	Z	-14.584	-14.584	0	%100
27	M80	X	8.869	8.869	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,%]
28	M80	Z	-15.361	-15.361	0	%100
29	M84	X	2.756	2.756	0	%100
30	M84	Z	-4.773	-4.773	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	1.633	1.633	0	%100
36	M52A	Z	-2.828	-2.828	0	%100
37	M53	X	4.145	4.145	0	%100
38	M53	Z	-7.179	-7.179	0	%100
39	M54	X	4.145	4.145	0	%100
40	M54	Z	-7.179	-7.179	0	%100
41	M55	X	8.267	8.267	0	%100
42	M55	Z	-14.319	-14.319	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	4.59	4.59	0	%100
46	M59A	Z	-7.951	-7.951	0	%100
47	M63	X	2.756	2.756	0	%100
48	M63	Z	-4.773	-4.773	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	2.756	2.756	0	%100
54	M68	Z	-4.773	-4.773	0	%100
55	M69	X	8.42	8.42	0	%100
56	M69	Z	-14.584	-14.584	0	%100
57	M71	X	8.869	8.869	0	%100
58	M71	Z	-15.361	-15.361	0	%100
59	M76A	X	6.531	6.531	0	%100
60	M76A	Z	-11.312	-11.312	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	4.59	4.59	0	%100
68	M82	Z	-7.951	-7.951	0	%100
69	M83A	X	4.59	4.59	0	%100
70	M83A	Z	-7.951	-7.951	0	%100
71	M87	X	11.023	11.023	0	%100
72	M87	Z	-19.092	-19.092	0	%100
73	M88A	X	8.42	8.42	0	%100
74	M88A	Z	-14.584	-14.584	0	%100
75	M90	X	8.869	8.869	0	%100
76	M90	Z	-15.361	-15.361	0	%100
77	M92A	X	11.023	11.023	0	%100
78	M92A	Z	-19.092	-19.092	0	%100
79	M93	X	8.42	8.42	0	%100
80	M93	Z	-14.584	-14.584	0	%100
81	M95	X	8.869	8.869	0	%100
82	M95	Z	-15.361	-15.361	0	%100
83	M82A	X	4.822	4.822	0	%100
84	M82A	Z	-8.353	-8.353	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,%]
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	M100	X	6.959	6.959	0	%100
88	M100	Z	-12.053	-12.053	0	%100
89	M101	X	6.959	6.959	0	%100
90	M101	Z	-12.053	-12.053	0	%100
91	M102	X	6.792	6.792	0	%100
92	M102	Z	-11.765	-11.765	0	%100
93	M103	X	3.272	3.272	0	%100
94	M103	Z	-5.668	-5.668	0	%100
95	MP3C	X	4.363	4.363	0	%100
96	MP3C	Z	-7.557	-7.557	0	%100
97	MP4C	X	4.363	4.363	0	%100
98	MP4C	Z	-7.557	-7.557	0	%100
99	MP2C	X	4.363	4.363	0	%100
100	MP2C	Z	-7.557	-7.557	0	%100
101	MP1C	X	4.363	4.363	0	%100
102	MP1C	Z	-7.557	-7.557	0	%100
103	M102A	X	3.272	3.272	0	%100
104	M102A	Z	-5.668	-5.668	0	%100
105	MP3B	X	4.363	4.363	0	%100
106	MP3B	Z	-7.557	-7.557	0	%100
107	MP4B	X	4.363	4.363	0	%100
108	MP4B	Z	-7.557	-7.557	0	%100
109	MP2B	X	4.363	4.363	0	%100
110	MP2B	Z	-7.557	-7.557	0	%100
111	MP1B	X	4.363	4.363	0	%100
112	MP1B	Z	-7.557	-7.557	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
115	OVP	X	3.568	3.568	0	%100
116	OVP	Z	-6.18	-6.18	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	4.503	4.503	0	%100
120	M127	Z	-7.799	-7.799	0	%100
121	M128	X	4.503	4.503	0	%100
122	M128	Z	-7.799	-7.799	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.784	2.784	0	%100
2	M1	Z	-1.607	-1.607	0	%100
3	M4	X	8.484	8.484	0	%100
4	M4	Z	-4.898	-4.898	0	%100
5	M10	X	2.393	2.393	0	%100
6	M10	Z	-1.382	-1.382	0	%100
7	MP3A	X	7.557	7.557	0	%100
8	MP3A	Z	-4.363	-4.363	0	%100
9	MP4A	X	7.557	7.557	0	%100
10	MP4A	Z	-4.363	-4.363	0	%100
11	MP2A	X	7.557	7.557	0	%100
12	MP2A	Z	-4.363	-4.363	0	%100
13	MP1A	X	7.557	7.557	0	%100
14	MP1A	Z	-4.363	-4.363	0	%100
15	M43	X	2.393	2.393	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,%]
16	M43	Z	-1.382	-1.382	0	%100
17	M46	X	4.773	4.773	0	%100
18	M46	Z	-2.756	-2.756	0	%100
19	M51B	X	10.601	10.601	0	%100
20	M51B	Z	-6.121	-6.121	0	%100
21	M52B	X	2.65	2.65	0	%100
22	M52B	Z	-1.53	-1.53	0	%100
23	M76	X	14.319	14.319	0	%100
24	M76	Z	-8.267	-8.267	0	%100
25	M77	X	19.445	19.445	0	%100
26	M77	Z	-11.227	-11.227	0	%100
27	M80	X	20.481	20.481	0	%100
28	M80	Z	-11.825	-11.825	0	%100
29	M84	X	14.319	14.319	0	%100
30	M84	Z	-8.267	-8.267	0	%100
31	M85	X	4.861	4.861	0	%100
32	M85	Z	-2.807	-2.807	0	%100
33	M91	X	5.12	5.12	0	%100
34	M91	Z	-2.956	-2.956	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	9.572	9.572	0	%100
38	M53	Z	-5.526	-5.526	0	%100
39	M54	X	9.572	9.572	0	%100
40	M54	Z	-5.526	-5.526	0	%100
41	M55	X	19.092	19.092	0	%100
42	M55	Z	-11.023	-11.023	0	%100
43	M58A	X	2.65	2.65	0	%100
44	M58A	Z	-1.53	-1.53	0	%100
45	M59A	X	2.65	2.65	0	%100
46	M59A	Z	-1.53	-1.53	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	4.861	4.861	0	%100
50	M64	Z	-2.807	-2.807	0	%100
51	M66	X	5.12	5.12	0	%100
52	M66	Z	-2.956	-2.956	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	4.861	4.861	0	%100
56	M69	Z	-2.807	-2.807	0	%100
57	M71	X	5.12	5.12	0	%100
58	M71	Z	-2.956	-2.956	0	%100
59	M76A	X	8.484	8.484	0	%100
60	M76A	Z	-4.898	-4.898	0	%100
61	M77A	X	2.393	2.393	0	%100
62	M77A	Z	-1.382	-1.382	0	%100
63	M78	X	2.393	2.393	0	%100
64	M78	Z	-1.382	-1.382	0	%100
65	M79A	X	4.773	4.773	0	%100
66	M79A	Z	-2.756	-2.756	0	%100
67	M82	X	2.65	2.65	0	%100
68	M82	Z	-1.53	-1.53	0	%100
69	M83A	X	10.601	10.601	0	%100
70	M83A	Z	-6.121	-6.121	0	%100
71	M87	X	14.319	14.319	0	%100
72	M87	Z	-8.267	-8.267	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,%]
73	M88A	X	4.861	4.861	0	%100
74	M88A	Z	-2.807	-2.807	0	%100
75	M90	X	5.12	5.12	0	%100
76	M90	Z	-2.956	-2.956	0	%100
77	M92A	X	14.319	14.319	0	%100
78	M92A	Z	-8.267	-8.267	0	%100
79	M93	X	19.445	19.445	0	%100
80	M93	Z	-11.227	-11.227	0	%100
81	M95	X	20.481	20.481	0	%100
82	M95	Z	-11.825	-11.825	0	%100
83	M82A	X	11.137	11.137	0	%100
84	M82A	Z	-6.43	-6.43	0	%100
85	M91B	X	2.784	2.784	0	%100
86	M91B	Z	-1.607	-1.607	0	%100
87	M100	X	11.861	11.861	0	%100
88	M100	Z	-6.848	-6.848	0	%100
89	M101	X	12.149	12.149	0	%100
90	M101	Z	-7.014	-7.014	0	%100
91	M102	X	11.861	11.861	0	%100
92	M102	Z	-6.848	-6.848	0	%100
93	M103	X	1.889	1.889	0	%100
94	M103	Z	-1.091	-1.091	0	%100
95	MP3C	X	7.557	7.557	0	%100
96	MP3C	Z	-4.363	-4.363	0	%100
97	MP4C	X	7.557	7.557	0	%100
98	MP4C	Z	-4.363	-4.363	0	%100
99	MP2C	X	7.557	7.557	0	%100
100	MP2C	Z	-4.363	-4.363	0	%100
101	MP1C	X	7.557	7.557	0	%100
102	MP1C	Z	-4.363	-4.363	0	%100
103	M102A	X	7.557	7.557	0	%100
104	M102A	Z	-4.363	-4.363	0	%100
105	MP3B	X	7.557	7.557	0	%100
106	MP3B	Z	-4.363	-4.363	0	%100
107	MP4B	X	7.557	7.557	0	%100
108	MP4B	Z	-4.363	-4.363	0	%100
109	MP2B	X	7.557	7.557	0	%100
110	MP2B	Z	-4.363	-4.363	0	%100
111	MP1B	X	7.557	7.557	0	%100
112	MP1B	Z	-4.363	-4.363	0	%100
113	M117	X	1.889	1.889	0	%100
114	M117	Z	-1.091	-1.091	0	%100
115	OVP	X	6.18	6.18	0	%100
116	OVP	Z	-3.568	-3.568	0	%100
117	M126	X	2.6	2.6	0	%100
118	M126	Z	-1.501	-1.501	0	%100
119	M127	X	10.399	10.399	0	%100
120	M127	Z	-6.004	-6.004	0	%100
121	M128	X	2.6	2.6	0	%100
122	M128	Z	-1.501	-1.501	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	13.062	13.062	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,%]
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	8.726	8.726	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	8.726	8.726	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	8.726	8.726	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	8.726	8.726	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	9.181	9.181	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	9.181	9.181	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	22.045	22.045	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	16.84	16.84	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	17.737	17.737	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	22.045	22.045	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	16.84	16.84	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	17.737	17.737	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	3.265	3.265	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	8.289	8.289	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	8.289	8.289	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	16.534	16.534	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	9.181	9.181	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	5.511	5.511	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	16.84	16.84	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	17.737	17.737	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	5.511	5.511	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	3.265	3.265	0	%100
60	M76A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M77A	X	8.289	8.289	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	8.289	8.289	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	16.534	16.534	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	9.181	9.181	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	5.511	5.511	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	5.511	5.511	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	16.84	16.84	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	17.737	17.737	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	9.645	9.645	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	9.645	9.645	0	%100
86	M91B	Z	0	0	0	%100
87	M100	X	13.585	13.585	0	%100
88	M100	Z	0	0	0	%100
89	M101	X	13.918	13.918	0	%100
90	M101	Z	0	0	0	%100
91	M102	X	13.918	13.918	0	%100
92	M102	Z	0	0	0	%100
93	M103	X	0	0	0	%100
94	M103	Z	0	0	0	%100
95	MP3C	X	8.726	8.726	0	%100
96	MP3C	Z	0	0	0	%100
97	MP4C	X	8.726	8.726	0	%100
98	MP4C	Z	0	0	0	%100
99	MP2C	X	8.726	8.726	0	%100
100	MP2C	Z	0	0	0	%100
101	MP1C	X	8.726	8.726	0	%100
102	MP1C	Z	0	0	0	%100
103	M102A	X	6.545	6.545	0	%100
104	M102A	Z	0	0	0	%100
105	MP3B	X	8.726	8.726	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	8.726	8.726	0	%100
108	MP4B	Z	0	0	0	%100
109	MP2B	X	8.726	8.726	0	%100
110	MP2B	Z	0	0	0	%100
111	MP1B	X	8.726	8.726	0	%100
112	MP1B	Z	0	0	0	%100
113	M117	X	6.545	6.545	0	%100
114	M117	Z	0	0	0	%100
115	OVP	X	7.136	7.136	0	%100
116	OVP	Z	0	0	0	%100
117	M126	X	9.005	9.005	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,%]
118	M126	Z	0	0	0	%100
119	M127	X	9.005	9.005	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.784	2.784	0	%100
2	M1	Z	1.607	1.607	0	%100
3	M4	X	8.484	8.484	0	%100
4	M4	Z	4.898	4.898	0	%100
5	M10	X	2.393	2.393	0	%100
6	M10	Z	1.382	1.382	0	%100
7	MP3A	X	7.557	7.557	0	%100
8	MP3A	Z	4.363	4.363	0	%100
9	MP4A	X	7.557	7.557	0	%100
10	MP4A	Z	4.363	4.363	0	%100
11	MP2A	X	7.557	7.557	0	%100
12	MP2A	Z	4.363	4.363	0	%100
13	MP1A	X	7.557	7.557	0	%100
14	MP1A	Z	4.363	4.363	0	%100
15	M43	X	2.393	2.393	0	%100
16	M43	Z	1.382	1.382	0	%100
17	M46	X	4.773	4.773	0	%100
18	M46	Z	2.756	2.756	0	%100
19	M51B	X	2.65	2.65	0	%100
20	M51B	Z	1.53	1.53	0	%100
21	M52B	X	10.601	10.601	0	%100
22	M52B	Z	6.121	6.121	0	%100
23	M76	X	14.319	14.319	0	%100
24	M76	Z	8.267	8.267	0	%100
25	M77	X	4.861	4.861	0	%100
26	M77	Z	2.807	2.807	0	%100
27	M80	X	5.12	5.12	0	%100
28	M80	Z	2.956	2.956	0	%100
29	M84	X	14.319	14.319	0	%100
30	M84	Z	8.267	8.267	0	%100
31	M85	X	19.445	19.445	0	%100
32	M85	Z	11.227	11.227	0	%100
33	M91	X	20.481	20.481	0	%100
34	M91	Z	11.825	11.825	0	%100
35	M52A	X	8.484	8.484	0	%100
36	M52A	Z	4.898	4.898	0	%100
37	M53	X	2.393	2.393	0	%100
38	M53	Z	1.382	1.382	0	%100
39	M54	X	2.393	2.393	0	%100
40	M54	Z	1.382	1.382	0	%100
41	M55	X	4.773	4.773	0	%100
42	M55	Z	2.756	2.756	0	%100
43	M58A	X	10.601	10.601	0	%100
44	M58A	Z	6.121	6.121	0	%100
45	M59A	X	2.65	2.65	0	%100
46	M59A	Z	1.53	1.53	0	%100
47	M63	X	14.319	14.319	0	%100
48	M63	Z	8.267	8.267	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,%]
49	M64	X	19.445	19.445	0	%100
50	M64	Z	11.227	11.227	0	%100
51	M66	X	20.481	20.481	0	%100
52	M66	Z	11.825	11.825	0	%100
53	M68	X	14.319	14.319	0	%100
54	M68	Z	8.267	8.267	0	%100
55	M69	X	4.861	4.861	0	%100
56	M69	Z	2.807	2.807	0	%100
57	M71	X	5.12	5.12	0	%100
58	M71	Z	2.956	2.956	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	9.572	9.572	0	%100
62	M77A	Z	5.526	5.526	0	%100
63	M78	X	9.572	9.572	0	%100
64	M78	Z	5.526	5.526	0	%100
65	M79A	X	19.092	19.092	0	%100
66	M79A	Z	11.023	11.023	0	%100
67	M82	X	2.65	2.65	0	%100
68	M82	Z	1.53	1.53	0	%100
69	M83A	X	2.65	2.65	0	%100
70	M83A	Z	1.53	1.53	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	4.861	4.861	0	%100
74	M88A	Z	2.807	2.807	0	%100
75	M90	X	5.12	5.12	0	%100
76	M90	Z	2.956	2.956	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	4.861	4.861	0	%100
80	M93	Z	2.807	2.807	0	%100
81	M95	X	5.12	5.12	0	%100
82	M95	Z	2.956	2.956	0	%100
83	M82A	X	2.784	2.784	0	%100
84	M82A	Z	1.607	1.607	0	%100
85	M91B	X	11.137	11.137	0	%100
86	M91B	Z	6.43	6.43	0	%100
87	M100	X	11.861	11.861	0	%100
88	M100	Z	6.848	6.848	0	%100
89	M101	X	11.861	11.861	0	%100
90	M101	Z	6.848	6.848	0	%100
91	M102	X	12.149	12.149	0	%100
92	M102	Z	7.014	7.014	0	%100
93	M103	X	1.889	1.889	0	%100
94	M103	Z	1.091	1.091	0	%100
95	MP3C	X	7.557	7.557	0	%100
96	MP3C	Z	4.363	4.363	0	%100
97	MP4C	X	7.557	7.557	0	%100
98	MP4C	Z	4.363	4.363	0	%100
99	MP2C	X	7.557	7.557	0	%100
100	MP2C	Z	4.363	4.363	0	%100
101	MP1C	X	7.557	7.557	0	%100
102	MP1C	Z	4.363	4.363	0	%100
103	M102A	X	1.889	1.889	0	%100
104	M102A	Z	1.091	1.091	0	%100
105	MP3B	X	7.557	7.557	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,%]
106	MP3B	Z	4.363	4.363	0	%100
107	MP4B	X	7.557	7.557	0	%100
108	MP4B	Z	4.363	4.363	0	%100
109	MP2B	X	7.557	7.557	0	%100
110	MP2B	Z	4.363	4.363	0	%100
111	MP1B	X	7.557	7.557	0	%100
112	MP1B	Z	4.363	4.363	0	%100
113	M117	X	7.557	7.557	0	%100
114	M117	Z	4.363	4.363	0	%100
115	OVP	X	6.18	6.18	0	%100
116	OVP	Z	3.568	3.568	0	%100
117	M126	X	10.399	10.399	0	%100
118	M126	Z	6.004	6.004	0	%100
119	M127	X	2.6	2.6	0	%100
120	M127	Z	1.501	1.501	0	%100
121	M128	X	2.6	2.6	0	%100
122	M128	Z	1.501	1.501	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.822	4.822	0	%100
2	M1	Z	8.353	8.353	0	%100
3	M4	X	1.633	1.633	0	%100
4	M4	Z	2.828	2.828	0	%100
5	M10	X	4.145	4.145	0	%100
6	M10	Z	7.179	7.179	0	%100
7	MP3A	X	4.363	4.363	0	%100
8	MP3A	Z	7.557	7.557	0	%100
9	MP4A	X	4.363	4.363	0	%100
10	MP4A	Z	7.557	7.557	0	%100
11	MP2A	X	4.363	4.363	0	%100
12	MP2A	Z	7.557	7.557	0	%100
13	MP1A	X	4.363	4.363	0	%100
14	MP1A	Z	7.557	7.557	0	%100
15	M43	X	4.145	4.145	0	%100
16	M43	Z	7.179	7.179	0	%100
17	M46	X	8.267	8.267	0	%100
18	M46	Z	14.319	14.319	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	4.59	4.59	0	%100
22	M52B	Z	7.951	7.951	0	%100
23	M76	X	2.756	2.756	0	%100
24	M76	Z	4.773	4.773	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	2.756	2.756	0	%100
30	M84	Z	4.773	4.773	0	%100
31	M85	X	8.42	8.42	0	%100
32	M85	Z	14.584	14.584	0	%100
33	M91	X	8.869	8.869	0	%100
34	M91	Z	15.361	15.361	0	%100
35	M52A	X	6.531	6.531	0	%100
36	M52A	Z	11.312	11.312	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,%]
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	4.59	4.59	0	%100
44	M58A	Z	7.951	7.951	0	%100
45	M59A	X	4.59	4.59	0	%100
46	M59A	Z	7.951	7.951	0	%100
47	M63	X	11.023	11.023	0	%100
48	M63	Z	19.092	19.092	0	%100
49	M64	X	8.42	8.42	0	%100
50	M64	Z	14.584	14.584	0	%100
51	M66	X	8.869	8.869	0	%100
52	M66	Z	15.361	15.361	0	%100
53	M68	X	11.023	11.023	0	%100
54	M68	Z	19.092	19.092	0	%100
55	M69	X	8.42	8.42	0	%100
56	M69	Z	14.584	14.584	0	%100
57	M71	X	8.869	8.869	0	%100
58	M71	Z	15.361	15.361	0	%100
59	M76A	X	1.633	1.633	0	%100
60	M76A	Z	2.828	2.828	0	%100
61	M77A	X	4.145	4.145	0	%100
62	M77A	Z	7.179	7.179	0	%100
63	M78	X	4.145	4.145	0	%100
64	M78	Z	7.179	7.179	0	%100
65	M79A	X	8.267	8.267	0	%100
66	M79A	Z	14.319	14.319	0	%100
67	M82	X	4.59	4.59	0	%100
68	M82	Z	7.951	7.951	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	2.756	2.756	0	%100
72	M87	Z	4.773	4.773	0	%100
73	M88A	X	8.42	8.42	0	%100
74	M88A	Z	14.584	14.584	0	%100
75	M90	X	8.869	8.869	0	%100
76	M90	Z	15.361	15.361	0	%100
77	M92A	X	2.756	2.756	0	%100
78	M92A	Z	4.773	4.773	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	4.822	4.822	0	%100
86	M91B	Z	8.353	8.353	0	%100
87	M100	X	6.959	6.959	0	%100
88	M100	Z	12.053	12.053	0	%100
89	M101	X	6.792	6.792	0	%100
90	M101	Z	11.765	11.765	0	%100
91	M102	X	6.959	6.959	0	%100
92	M102	Z	12.053	12.053	0	%100
93	M103	X	3.272	3.272	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,%]
94	M103	Z	5.668	5.668	0	%100
95	MP3C	X	4.363	4.363	0	%100
96	MP3C	Z	7.557	7.557	0	%100
97	MP4C	X	4.363	4.363	0	%100
98	MP4C	Z	7.557	7.557	0	%100
99	MP2C	X	4.363	4.363	0	%100
100	MP2C	Z	7.557	7.557	0	%100
101	MP1C	X	4.363	4.363	0	%100
102	MP1C	Z	7.557	7.557	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	0	0	0	%100
105	MP3B	X	4.363	4.363	0	%100
106	MP3B	Z	7.557	7.557	0	%100
107	MP4B	X	4.363	4.363	0	%100
108	MP4B	Z	7.557	7.557	0	%100
109	MP2B	X	4.363	4.363	0	%100
110	MP2B	Z	7.557	7.557	0	%100
111	MP1B	X	4.363	4.363	0	%100
112	MP1B	Z	7.557	7.557	0	%100
113	M117	X	3.272	3.272	0	%100
114	M117	Z	5.668	5.668	0	%100
115	OVP	X	3.568	3.568	0	%100
116	OVP	Z	6.18	6.18	0	%100
117	M126	X	4.503	4.503	0	%100
118	M126	Z	7.799	7.799	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	4.503	4.503	0	%100
122	M128	Z	7.799	7.799	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	12.86	12.86	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	11.052	11.052	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	8.726	8.726	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	8.726	8.726	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	8.726	8.726	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	8.726	8.726	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	11.052	11.052	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	22.045	22.045	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	3.06	3.06	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	3.06	3.06	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	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,%]
25	M77	X	0	0	0	%100
26	M77	Z	5.613	5.613	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	5.912	5.912	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	5.613	5.613	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	5.912	5.912	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	9.796	9.796	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	2.763	2.763	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	2.763	2.763	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	5.511	5.511	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	3.06	3.06	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	12.241	12.241	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	16.534	16.534	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	5.613	5.613	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	5.912	5.912	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	16.534	16.534	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	22.453	22.453	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	23.65	23.65	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	9.796	9.796	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	2.763	2.763	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	2.763	2.763	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	5.511	5.511	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	12.241	12.241	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	3.06	3.06	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	16.534	16.534	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	22.453	22.453	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	23.65	23.65	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	16.534	16.534	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	5.613	5.613	0	%100
81	M95	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,%]
82	M95	Z	5.912	5.912	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	3.215	3.215	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	3.215	3.215	0	%100
87	M100	X	0	0	0	%100
88	M100	Z	14.029	14.029	0	%100
89	M101	X	0	0	0	%100
90	M101	Z	13.696	13.696	0	%100
91	M102	X	0	0	0	%100
92	M102	Z	13.696	13.696	0	%100
93	M103	X	0	0	0	%100
94	M103	Z	8.726	8.726	0	%100
95	MP3C	X	0	0	0	%100
96	MP3C	Z	8.726	8.726	0	%100
97	MP4C	X	0	0	0	%100
98	MP4C	Z	8.726	8.726	0	%100
99	MP2C	X	0	0	0	%100
100	MP2C	Z	8.726	8.726	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	8.726	8.726	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	2.182	2.182	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	8.726	8.726	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	8.726	8.726	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	8.726	8.726	0	%100
111	MP1B	X	0	0	0	%100
112	MP1B	Z	8.726	8.726	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	2.182	2.182	0	%100
115	OVP	X	0	0	0	%100
116	OVP	Z	7.136	7.136	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	3.002	3.002	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	3.002	3.002	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	12.007	12.007	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.822	-4.822	0	%100
2	M1	Z	8.353	8.353	0	%100
3	M4	X	-1.633	-1.633	0	%100
4	M4	Z	2.828	2.828	0	%100
5	M10	X	-4.145	-4.145	0	%100
6	M10	Z	7.179	7.179	0	%100
7	MP3A	X	-4.363	-4.363	0	%100
8	MP3A	Z	7.557	7.557	0	%100
9	MP4A	X	-4.363	-4.363	0	%100
10	MP4A	Z	7.557	7.557	0	%100
11	MP2A	X	-4.363	-4.363	0	%100
12	MP2A	Z	7.557	7.557	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,%]
13	MP1A	X	-4.363	-4.363	0	%100
14	MP1A	Z	7.557	7.557	0	%100
15	M43	X	-4.145	-4.145	0	%100
16	M43	Z	7.179	7.179	0	%100
17	M46	X	-8.267	-8.267	0	%100
18	M46	Z	14.319	14.319	0	%100
19	M51B	X	-4.59	-4.59	0	%100
20	M51B	Z	7.951	7.951	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-2.756	-2.756	0	%100
24	M76	Z	4.773	4.773	0	%100
25	M77	X	-8.42	-8.42	0	%100
26	M77	Z	14.584	14.584	0	%100
27	M80	X	-8.869	-8.869	0	%100
28	M80	Z	15.361	15.361	0	%100
29	M84	X	-2.756	-2.756	0	%100
30	M84	Z	4.773	4.773	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-1.633	-1.633	0	%100
36	M52A	Z	2.828	2.828	0	%100
37	M53	X	-4.145	-4.145	0	%100
38	M53	Z	7.179	7.179	0	%100
39	M54	X	-4.145	-4.145	0	%100
40	M54	Z	7.179	7.179	0	%100
41	M55	X	-8.267	-8.267	0	%100
42	M55	Z	14.319	14.319	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-4.59	-4.59	0	%100
46	M59A	Z	7.951	7.951	0	%100
47	M63	X	-2.756	-2.756	0	%100
48	M63	Z	4.773	4.773	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-2.756	-2.756	0	%100
54	M68	Z	4.773	4.773	0	%100
55	M69	X	-8.42	-8.42	0	%100
56	M69	Z	14.584	14.584	0	%100
57	M71	X	-8.869	-8.869	0	%100
58	M71	Z	15.361	15.361	0	%100
59	M76A	X	-6.531	-6.531	0	%100
60	M76A	Z	11.312	11.312	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-4.59	-4.59	0	%100
68	M82	Z	7.951	7.951	0	%100
69	M83A	X	-4.59	-4.59	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,%]
70	M83A	Z	7.951	7.951	0	%100
71	M87	X	-11.023	-11.023	0	%100
72	M87	Z	19.092	19.092	0	%100
73	M88A	X	-8.42	-8.42	0	%100
74	M88A	Z	14.584	14.584	0	%100
75	M90	X	-8.869	-8.869	0	%100
76	M90	Z	15.361	15.361	0	%100
77	M92A	X	-11.023	-11.023	0	%100
78	M92A	Z	19.092	19.092	0	%100
79	M93	X	-8.42	-8.42	0	%100
80	M93	Z	14.584	14.584	0	%100
81	M95	X	-8.869	-8.869	0	%100
82	M95	Z	15.361	15.361	0	%100
83	M82A	X	-4.822	-4.822	0	%100
84	M82A	Z	8.353	8.353	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	M100	X	-6.959	-6.959	0	%100
88	M100	Z	12.053	12.053	0	%100
89	M101	X	-6.959	-6.959	0	%100
90	M101	Z	12.053	12.053	0	%100
91	M102	X	-6.792	-6.792	0	%100
92	M102	Z	11.765	11.765	0	%100
93	M103	X	-3.272	-3.272	0	%100
94	M103	Z	5.668	5.668	0	%100
95	MP3C	X	-4.363	-4.363	0	%100
96	MP3C	Z	7.557	7.557	0	%100
97	MP4C	X	-4.363	-4.363	0	%100
98	MP4C	Z	7.557	7.557	0	%100
99	MP2C	X	-4.363	-4.363	0	%100
100	MP2C	Z	7.557	7.557	0	%100
101	MP1C	X	-4.363	-4.363	0	%100
102	MP1C	Z	7.557	7.557	0	%100
103	M102A	X	-3.272	-3.272	0	%100
104	M102A	Z	5.668	5.668	0	%100
105	MP3B	X	-4.363	-4.363	0	%100
106	MP3B	Z	7.557	7.557	0	%100
107	MP4B	X	-4.363	-4.363	0	%100
108	MP4B	Z	7.557	7.557	0	%100
109	MP2B	X	-4.363	-4.363	0	%100
110	MP2B	Z	7.557	7.557	0	%100
111	MP1B	X	-4.363	-4.363	0	%100
112	MP1B	Z	7.557	7.557	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
115	OVP	X	-3.568	-3.568	0	%100
116	OVP	Z	6.18	6.18	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	-4.503	-4.503	0	%100
120	M127	Z	7.799	7.799	0	%100
121	M128	X	-4.503	-4.503	0	%100
122	M128	Z	7.799	7.799	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,%]

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,%]
1	M1	X	-2.784	-2.784	0	%100
2	M1	Z	1.607	1.607	0	%100
3	M4	X	-8.484	-8.484	0	%100
4	M4	Z	4.898	4.898	0	%100
5	M10	X	-2.393	-2.393	0	%100
6	M10	Z	1.382	1.382	0	%100
7	MP3A	X	-7.557	-7.557	0	%100
8	MP3A	Z	4.363	4.363	0	%100
9	MP4A	X	-7.557	-7.557	0	%100
10	MP4A	Z	4.363	4.363	0	%100
11	MP2A	X	-7.557	-7.557	0	%100
12	MP2A	Z	4.363	4.363	0	%100
13	MP1A	X	-7.557	-7.557	0	%100
14	MP1A	Z	4.363	4.363	0	%100
15	M43	X	-2.393	-2.393	0	%100
16	M43	Z	1.382	1.382	0	%100
17	M46	X	-4.773	-4.773	0	%100
18	M46	Z	2.756	2.756	0	%100
19	M51B	X	-10.601	-10.601	0	%100
20	M51B	Z	6.121	6.121	0	%100
21	M52B	X	-2.65	-2.65	0	%100
22	M52B	Z	1.53	1.53	0	%100
23	M76	X	-14.319	-14.319	0	%100
24	M76	Z	8.267	8.267	0	%100
25	M77	X	-19.445	-19.445	0	%100
26	M77	Z	11.227	11.227	0	%100
27	M80	X	-20.481	-20.481	0	%100
28	M80	Z	11.825	11.825	0	%100
29	M84	X	-14.319	-14.319	0	%100
30	M84	Z	8.267	8.267	0	%100
31	M85	X	-4.861	-4.861	0	%100
32	M85	Z	2.807	2.807	0	%100
33	M91	X	-5.12	-5.12	0	%100
34	M91	Z	2.956	2.956	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-9.572	-9.572	0	%100
38	M53	Z	5.526	5.526	0	%100
39	M54	X	-9.572	-9.572	0	%100
40	M54	Z	5.526	5.526	0	%100
41	M55	X	-19.092	-19.092	0	%100
42	M55	Z	11.023	11.023	0	%100
43	M58A	X	-2.65	-2.65	0	%100
44	M58A	Z	1.53	1.53	0	%100
45	M59A	X	-2.65	-2.65	0	%100
46	M59A	Z	1.53	1.53	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-4.861	-4.861	0	%100
50	M64	Z	2.807	2.807	0	%100
51	M66	X	-5.12	-5.12	0	%100
52	M66	Z	2.956	2.956	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-4.861	-4.861	0	%100
56	M69	Z	2.807	2.807	0	%100
57	M71	X	-5.12	-5.12	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,%]
58	M71	Z	2.956	2.956	0	%100
59	M76A	X	-8.484	-8.484	0	%100
60	M76A	Z	4.898	4.898	0	%100
61	M77A	X	-2.393	-2.393	0	%100
62	M77A	Z	1.382	1.382	0	%100
63	M78	X	-2.393	-2.393	0	%100
64	M78	Z	1.382	1.382	0	%100
65	M79A	X	-4.773	-4.773	0	%100
66	M79A	Z	2.756	2.756	0	%100
67	M82	X	-2.65	-2.65	0	%100
68	M82	Z	1.53	1.53	0	%100
69	M83A	X	-10.601	-10.601	0	%100
70	M83A	Z	6.121	6.121	0	%100
71	M87	X	-14.319	-14.319	0	%100
72	M87	Z	8.267	8.267	0	%100
73	M88A	X	-4.861	-4.861	0	%100
74	M88A	Z	2.807	2.807	0	%100
75	M90	X	-5.12	-5.12	0	%100
76	M90	Z	2.956	2.956	0	%100
77	M92A	X	-14.319	-14.319	0	%100
78	M92A	Z	8.267	8.267	0	%100
79	M93	X	-19.445	-19.445	0	%100
80	M93	Z	11.227	11.227	0	%100
81	M95	X	-20.481	-20.481	0	%100
82	M95	Z	11.825	11.825	0	%100
83	M82A	X	-11.137	-11.137	0	%100
84	M82A	Z	6.43	6.43	0	%100
85	M91B	X	-2.784	-2.784	0	%100
86	M91B	Z	1.607	1.607	0	%100
87	M100	X	-11.861	-11.861	0	%100
88	M100	Z	6.848	6.848	0	%100
89	M101	X	-12.149	-12.149	0	%100
90	M101	Z	7.014	7.014	0	%100
91	M102	X	-11.861	-11.861	0	%100
92	M102	Z	6.848	6.848	0	%100
93	M103	X	-1.889	-1.889	0	%100
94	M103	Z	1.091	1.091	0	%100
95	MP3C	X	-7.557	-7.557	0	%100
96	MP3C	Z	4.363	4.363	0	%100
97	MP4C	X	-7.557	-7.557	0	%100
98	MP4C	Z	4.363	4.363	0	%100
99	MP2C	X	-7.557	-7.557	0	%100
100	MP2C	Z	4.363	4.363	0	%100
101	MP1C	X	-7.557	-7.557	0	%100
102	MP1C	Z	4.363	4.363	0	%100
103	M102A	X	-7.557	-7.557	0	%100
104	M102A	Z	4.363	4.363	0	%100
105	MP3B	X	-7.557	-7.557	0	%100
106	MP3B	Z	4.363	4.363	0	%100
107	MP4B	X	-7.557	-7.557	0	%100
108	MP4B	Z	4.363	4.363	0	%100
109	MP2B	X	-7.557	-7.557	0	%100
110	MP2B	Z	4.363	4.363	0	%100
111	MP1B	X	-7.557	-7.557	0	%100
112	MP1B	Z	4.363	4.363	0	%100
113	M117	X	-1.889	-1.889	0	%100
114	M117	Z	1.091	1.091	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,%]
115	OVP	X	-6.18	-6.18	0	%100
116	OVP	Z	3.568	3.568	0	%100
117	M126	X	-2.6	-2.6	0	%100
118	M126	Z	1.501	1.501	0	%100
119	M127	X	-10.399	-10.399	0	%100
120	M127	Z	6.004	6.004	0	%100
121	M128	X	-2.6	-2.6	0	%100
122	M128	Z	1.501	1.501	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-13.062	-13.062	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-8.726	-8.726	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-8.726	-8.726	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-8.726	-8.726	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-8.726	-8.726	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-9.181	-9.181	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-9.181	-9.181	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-22.045	-22.045	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-16.84	-16.84	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-17.737	-17.737	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-22.045	-22.045	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-16.84	-16.84	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-17.737	-17.737	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-3.265	-3.265	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-8.289	-8.289	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-8.289	-8.289	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-16.534	-16.534	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-9.181	-9.181	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M59A	Z	0	0	0	%100
47	M63	X	-5.511	-5.511	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-16.84	-16.84	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-17.737	-17.737	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-5.511	-5.511	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	-3.265	-3.265	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-8.289	-8.289	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-8.289	-8.289	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-16.534	-16.534	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-9.181	-9.181	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-5.511	-5.511	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-5.511	-5.511	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-16.84	-16.84	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-17.737	-17.737	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-9.645	-9.645	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-9.645	-9.645	0	%100
86	M91B	Z	0	0	0	%100
87	M100	X	-13.585	-13.585	0	%100
88	M100	Z	0	0	0	%100
89	M101	X	-13.918	-13.918	0	%100
90	M101	Z	0	0	0	%100
91	M102	X	-13.918	-13.918	0	%100
92	M102	Z	0	0	0	%100
93	M103	X	0	0	0	%100
94	M103	Z	0	0	0	%100
95	MP3C	X	-8.726	-8.726	0	%100
96	MP3C	Z	0	0	0	%100
97	MP4C	X	-8.726	-8.726	0	%100
98	MP4C	Z	0	0	0	%100
99	MP2C	X	-8.726	-8.726	0	%100
100	MP2C	Z	0	0	0	%100
101	MP1C	X	-8.726	-8.726	0	%100
102	MP1C	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,%]
103	M102A	X	-6.545	-6.545	0	%100
104	M102A	Z	0	0	0	%100
105	MP3B	X	-8.726	-8.726	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	-8.726	-8.726	0	%100
108	MP4B	Z	0	0	0	%100
109	MP2B	X	-8.726	-8.726	0	%100
110	MP2B	Z	0	0	0	%100
111	MP1B	X	-8.726	-8.726	0	%100
112	MP1B	Z	0	0	0	%100
113	M117	X	-6.545	-6.545	0	%100
114	M117	Z	0	0	0	%100
115	OVP	X	-7.136	-7.136	0	%100
116	OVP	Z	0	0	0	%100
117	M126	X	-9.005	-9.005	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	-9.005	-9.005	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.784	-2.784	0	%100
2	M1	Z	-1.607	-1.607	0	%100
3	M4	X	-8.484	-8.484	0	%100
4	M4	Z	-4.898	-4.898	0	%100
5	M10	X	-2.393	-2.393	0	%100
6	M10	Z	-1.382	-1.382	0	%100
7	MP3A	X	-7.557	-7.557	0	%100
8	MP3A	Z	-4.363	-4.363	0	%100
9	MP4A	X	-7.557	-7.557	0	%100
10	MP4A	Z	-4.363	-4.363	0	%100
11	MP2A	X	-7.557	-7.557	0	%100
12	MP2A	Z	-4.363	-4.363	0	%100
13	MP1A	X	-7.557	-7.557	0	%100
14	MP1A	Z	-4.363	-4.363	0	%100
15	M43	X	-2.393	-2.393	0	%100
16	M43	Z	-1.382	-1.382	0	%100
17	M46	X	-4.773	-4.773	0	%100
18	M46	Z	-2.756	-2.756	0	%100
19	M51B	X	-2.65	-2.65	0	%100
20	M51B	Z	-1.53	-1.53	0	%100
21	M52B	X	-10.601	-10.601	0	%100
22	M52B	Z	-6.121	-6.121	0	%100
23	M76	X	-14.319	-14.319	0	%100
24	M76	Z	-8.267	-8.267	0	%100
25	M77	X	-4.861	-4.861	0	%100
26	M77	Z	-2.807	-2.807	0	%100
27	M80	X	-5.12	-5.12	0	%100
28	M80	Z	-2.956	-2.956	0	%100
29	M84	X	-14.319	-14.319	0	%100
30	M84	Z	-8.267	-8.267	0	%100
31	M85	X	-19.445	-19.445	0	%100
32	M85	Z	-11.227	-11.227	0	%100
33	M91	X	-20.481	-20.481	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,%]
34	M91	Z	-11.825	-11.825	0	%100
35	M52A	X	-8.484	-8.484	0	%100
36	M52A	Z	-4.898	-4.898	0	%100
37	M53	X	-2.393	-2.393	0	%100
38	M53	Z	-1.382	-1.382	0	%100
39	M54	X	-2.393	-2.393	0	%100
40	M54	Z	-1.382	-1.382	0	%100
41	M55	X	-4.773	-4.773	0	%100
42	M55	Z	-2.756	-2.756	0	%100
43	M58A	X	-10.601	-10.601	0	%100
44	M58A	Z	-6.121	-6.121	0	%100
45	M59A	X	-2.65	-2.65	0	%100
46	M59A	Z	-1.53	-1.53	0	%100
47	M63	X	-14.319	-14.319	0	%100
48	M63	Z	-8.267	-8.267	0	%100
49	M64	X	-19.445	-19.445	0	%100
50	M64	Z	-11.227	-11.227	0	%100
51	M66	X	-20.481	-20.481	0	%100
52	M66	Z	-11.825	-11.825	0	%100
53	M68	X	-14.319	-14.319	0	%100
54	M68	Z	-8.267	-8.267	0	%100
55	M69	X	-4.861	-4.861	0	%100
56	M69	Z	-2.807	-2.807	0	%100
57	M71	X	-5.12	-5.12	0	%100
58	M71	Z	-2.956	-2.956	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-9.572	-9.572	0	%100
62	M77A	Z	-5.526	-5.526	0	%100
63	M78	X	-9.572	-9.572	0	%100
64	M78	Z	-5.526	-5.526	0	%100
65	M79A	X	-19.092	-19.092	0	%100
66	M79A	Z	-11.023	-11.023	0	%100
67	M82	X	-2.65	-2.65	0	%100
68	M82	Z	-1.53	-1.53	0	%100
69	M83A	X	-2.65	-2.65	0	%100
70	M83A	Z	-1.53	-1.53	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-4.861	-4.861	0	%100
74	M88A	Z	-2.807	-2.807	0	%100
75	M90	X	-5.12	-5.12	0	%100
76	M90	Z	-2.956	-2.956	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-4.861	-4.861	0	%100
80	M93	Z	-2.807	-2.807	0	%100
81	M95	X	-5.12	-5.12	0	%100
82	M95	Z	-2.956	-2.956	0	%100
83	M82A	X	-2.784	-2.784	0	%100
84	M82A	Z	-1.607	-1.607	0	%100
85	M91B	X	-11.137	-11.137	0	%100
86	M91B	Z	-6.43	-6.43	0	%100
87	M100	X	-11.861	-11.861	0	%100
88	M100	Z	-6.848	-6.848	0	%100
89	M101	X	-11.861	-11.861	0	%100
90	M101	Z	-6.848	-6.848	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,%]
91	M102	X	-12.149	-12.149	0	%100
92	M102	Z	-7.014	-7.014	0	%100
93	M103	X	-1.889	-1.889	0	%100
94	M103	Z	-1.091	-1.091	0	%100
95	MP3C	X	-7.557	-7.557	0	%100
96	MP3C	Z	-4.363	-4.363	0	%100
97	MP4C	X	-7.557	-7.557	0	%100
98	MP4C	Z	-4.363	-4.363	0	%100
99	MP2C	X	-7.557	-7.557	0	%100
100	MP2C	Z	-4.363	-4.363	0	%100
101	MP1C	X	-7.557	-7.557	0	%100
102	MP1C	Z	-4.363	-4.363	0	%100
103	M102A	X	-1.889	-1.889	0	%100
104	M102A	Z	-1.091	-1.091	0	%100
105	MP3B	X	-7.557	-7.557	0	%100
106	MP3B	Z	-4.363	-4.363	0	%100
107	MP4B	X	-7.557	-7.557	0	%100
108	MP4B	Z	-4.363	-4.363	0	%100
109	MP2B	X	-7.557	-7.557	0	%100
110	MP2B	Z	-4.363	-4.363	0	%100
111	MP1B	X	-7.557	-7.557	0	%100
112	MP1B	Z	-4.363	-4.363	0	%100
113	M117	X	-7.557	-7.557	0	%100
114	M117	Z	-4.363	-4.363	0	%100
115	OVP	X	-6.18	-6.18	0	%100
116	OVP	Z	-3.568	-3.568	0	%100
117	M126	X	-10.399	-10.399	0	%100
118	M126	Z	-6.004	-6.004	0	%100
119	M127	X	-2.6	-2.6	0	%100
120	M127	Z	-1.501	-1.501	0	%100
121	M128	X	-2.6	-2.6	0	%100
122	M128	Z	-1.501	-1.501	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.822	-4.822	0	%100
2	M1	Z	-8.353	-8.353	0	%100
3	M4	X	-1.633	-1.633	0	%100
4	M4	Z	-2.828	-2.828	0	%100
5	M10	X	-4.145	-4.145	0	%100
6	M10	Z	-7.179	-7.179	0	%100
7	MP3A	X	-4.363	-4.363	0	%100
8	MP3A	Z	-7.557	-7.557	0	%100
9	MP4A	X	-4.363	-4.363	0	%100
10	MP4A	Z	-7.557	-7.557	0	%100
11	MP2A	X	-4.363	-4.363	0	%100
12	MP2A	Z	-7.557	-7.557	0	%100
13	MP1A	X	-4.363	-4.363	0	%100
14	MP1A	Z	-7.557	-7.557	0	%100
15	M43	X	-4.145	-4.145	0	%100
16	M43	Z	-7.179	-7.179	0	%100
17	M46	X	-8.267	-8.267	0	%100
18	M46	Z	-14.319	-14.319	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-4.59	-4.59	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,%]
22	M52B	Z	-7.951	-7.951	0	%100
23	M76	X	-2.756	-2.756	0	%100
24	M76	Z	-4.773	-4.773	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-2.756	-2.756	0	%100
30	M84	Z	-4.773	-4.773	0	%100
31	M85	X	-8.42	-8.42	0	%100
32	M85	Z	-14.584	-14.584	0	%100
33	M91	X	-8.869	-8.869	0	%100
34	M91	Z	-15.361	-15.361	0	%100
35	M52A	X	-6.531	-6.531	0	%100
36	M52A	Z	-11.312	-11.312	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-4.59	-4.59	0	%100
44	M58A	Z	-7.951	-7.951	0	%100
45	M59A	X	-4.59	-4.59	0	%100
46	M59A	Z	-7.951	-7.951	0	%100
47	M63	X	-11.023	-11.023	0	%100
48	M63	Z	-19.092	-19.092	0	%100
49	M64	X	-8.42	-8.42	0	%100
50	M64	Z	-14.584	-14.584	0	%100
51	M66	X	-8.869	-8.869	0	%100
52	M66	Z	-15.361	-15.361	0	%100
53	M68	X	-11.023	-11.023	0	%100
54	M68	Z	-19.092	-19.092	0	%100
55	M69	X	-8.42	-8.42	0	%100
56	M69	Z	-14.584	-14.584	0	%100
57	M71	X	-8.869	-8.869	0	%100
58	M71	Z	-15.361	-15.361	0	%100
59	M76A	X	-1.633	-1.633	0	%100
60	M76A	Z	-2.828	-2.828	0	%100
61	M77A	X	-4.145	-4.145	0	%100
62	M77A	Z	-7.179	-7.179	0	%100
63	M78	X	-4.145	-4.145	0	%100
64	M78	Z	-7.179	-7.179	0	%100
65	M79A	X	-8.267	-8.267	0	%100
66	M79A	Z	-14.319	-14.319	0	%100
67	M82	X	-4.59	-4.59	0	%100
68	M82	Z	-7.951	-7.951	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-2.756	-2.756	0	%100
72	M87	Z	-4.773	-4.773	0	%100
73	M88A	X	-8.42	-8.42	0	%100
74	M88A	Z	-14.584	-14.584	0	%100
75	M90	X	-8.869	-8.869	0	%100
76	M90	Z	-15.361	-15.361	0	%100
77	M92A	X	-2.756	-2.756	0	%100
78	M92A	Z	-4.773	-4.773	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,%]
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-4.822	-4.822	0	%100
86	M91B	Z	-8.353	-8.353	0	%100
87	M100	X	-6.959	-6.959	0	%100
88	M100	Z	-12.053	-12.053	0	%100
89	M101	X	-6.792	-6.792	0	%100
90	M101	Z	-11.765	-11.765	0	%100
91	M102	X	-6.959	-6.959	0	%100
92	M102	Z	-12.053	-12.053	0	%100
93	M103	X	-3.272	-3.272	0	%100
94	M103	Z	-5.668	-5.668	0	%100
95	MP3C	X	-4.363	-4.363	0	%100
96	MP3C	Z	-7.557	-7.557	0	%100
97	MP4C	X	-4.363	-4.363	0	%100
98	MP4C	Z	-7.557	-7.557	0	%100
99	MP2C	X	-4.363	-4.363	0	%100
100	MP2C	Z	-7.557	-7.557	0	%100
101	MP1C	X	-4.363	-4.363	0	%100
102	MP1C	Z	-7.557	-7.557	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	0	0	0	%100
105	MP3B	X	-4.363	-4.363	0	%100
106	MP3B	Z	-7.557	-7.557	0	%100
107	MP4B	X	-4.363	-4.363	0	%100
108	MP4B	Z	-7.557	-7.557	0	%100
109	MP2B	X	-4.363	-4.363	0	%100
110	MP2B	Z	-7.557	-7.557	0	%100
111	MP1B	X	-4.363	-4.363	0	%100
112	MP1B	Z	-7.557	-7.557	0	%100
113	M117	X	-3.272	-3.272	0	%100
114	M117	Z	-5.668	-5.668	0	%100
115	OVP	X	-3.568	-3.568	0	%100
116	OVP	Z	-6.18	-6.18	0	%100
117	M126	X	-4.503	-4.503	0	%100
118	M126	Z	-7.799	-7.799	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	-4.503	-4.503	0	%100
122	M128	Z	-7.799	-7.799	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-3.477	-3.477	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-2.857	-2.857	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-2.805	-2.805	0	%100
9	MP4A	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,%]
10	MP4A	Z	-2.805	-2.805	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-2.805	-2.805	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-2.805	-2.805	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-2.857	-2.857	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-4.466	-4.466	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-.822	-.822	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-.822	-.822	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-1.115	-1.115	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-1.163	-1.163	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-1.115	-1.115	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-1.163	-1.163	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-2.633	-2.633	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-.714	-.714	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-.714	-.714	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-1.116	-1.116	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-.822	-.822	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-3.287	-3.287	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-3.295	-3.295	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-1.115	-1.115	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-1.163	-1.163	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-3.295	-3.295	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-4.459	-4.459	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	-4.654	-4.654	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-2.633	-2.633	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-.714	-.714	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-.714	-.714	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-1.116	-1.116	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,%]
67	M82	X	0	0	0	%100
68	M82	Z	-3.287	-3.287	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-.822	-.822	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-3.295	-3.295	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-4.459	-4.459	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-4.654	-4.654	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-3.295	-3.295	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-1.115	-1.115	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-1.163	-1.163	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-.869	-.869	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-.869	-.869	0	%100
87	M100	X	0	0	0	%100
88	M100	Z	-3.059	-3.059	0	%100
89	M101	X	0	0	0	%100
90	M101	Z	-3.358	-3.358	0	%100
91	M102	X	0	0	0	%100
92	M102	Z	-3.358	-3.358	0	%100
93	M103	X	0	0	0	%100
94	M103	Z	-2.805	-2.805	0	%100
95	MP3C	X	0	0	0	%100
96	MP3C	Z	-2.805	-2.805	0	%100
97	MP4C	X	0	0	0	%100
98	MP4C	Z	-2.805	-2.805	0	%100
99	MP2C	X	0	0	0	%100
100	MP2C	Z	-2.805	-2.805	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	-2.805	-2.805	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	-.701	-.701	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	-2.805	-2.805	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	-2.805	-2.805	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	-2.805	-2.805	0	%100
111	MP1B	X	0	0	0	%100
112	MP1B	Z	-2.805	-2.805	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	-.701	-.701	0	%100
115	OVP	X	0	0	0	%100
116	OVP	Z	-2.303	-2.303	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	-.715	-.715	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	-.715	-.715	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	-2.86	-2.86	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.304	1.304	0	%100
2	M1	Z	-2.259	-2.259	0	%100
3	M4	X	.439	.439	0	%100
4	M4	Z	-.76	-.76	0	%100
5	M10	X	1.071	1.071	0	%100
6	M10	Z	-1.856	-1.856	0	%100
7	MP3A	X	1.403	1.403	0	%100
8	MP3A	Z	-2.429	-2.429	0	%100
9	MP4A	X	1.403	1.403	0	%100
10	MP4A	Z	-2.429	-2.429	0	%100
11	MP2A	X	1.403	1.403	0	%100
12	MP2A	Z	-2.429	-2.429	0	%100
13	MP1A	X	1.403	1.403	0	%100
14	MP1A	Z	-2.429	-2.429	0	%100
15	M43	X	1.071	1.071	0	%100
16	M43	Z	-1.856	-1.856	0	%100
17	M46	X	1.675	1.675	0	%100
18	M46	Z	-2.901	-2.901	0	%100
19	M51B	X	1.233	1.233	0	%100
20	M51B	Z	-2.135	-2.135	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.549	.549	0	%100
24	M76	Z	-.951	-.951	0	%100
25	M77	X	1.672	1.672	0	%100
26	M77	Z	-2.896	-2.896	0	%100
27	M80	X	1.745	1.745	0	%100
28	M80	Z	-3.023	-3.023	0	%100
29	M84	X	.549	.549	0	%100
30	M84	Z	-.951	-.951	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.439	.439	0	%100
36	M52A	Z	-.76	-.76	0	%100
37	M53	X	1.071	1.071	0	%100
38	M53	Z	-1.856	-1.856	0	%100
39	M54	X	1.071	1.071	0	%100
40	M54	Z	-1.856	-1.856	0	%100
41	M55	X	1.675	1.675	0	%100
42	M55	Z	-2.901	-2.901	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	1.233	1.233	0	%100
46	M59A	Z	-2.135	-2.135	0	%100
47	M63	X	.549	.549	0	%100
48	M63	Z	-.951	-.951	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.549	.549	0	%100
54	M68	Z	-.951	-.951	0	%100
55	M69	X	1.672	1.672	0	%100
56	M69	Z	-2.896	-2.896	0	%100
57	M71	X	1.745	1.745	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,%]
58	M71	Z	-3.023	-3.023	0	%100
59	M76A	X	1.755	1.755	0	%100
60	M76A	Z	-3.04	-3.04	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	1.233	1.233	0	%100
68	M82	Z	-2.135	-2.135	0	%100
69	M83A	X	1.233	1.233	0	%100
70	M83A	Z	-2.135	-2.135	0	%100
71	M87	X	2.197	2.197	0	%100
72	M87	Z	-3.804	-3.804	0	%100
73	M88A	X	1.672	1.672	0	%100
74	M88A	Z	-2.896	-2.896	0	%100
75	M90	X	1.745	1.745	0	%100
76	M90	Z	-3.023	-3.023	0	%100
77	M92A	X	2.197	2.197	0	%100
78	M92A	Z	-3.804	-3.804	0	%100
79	M93	X	1.672	1.672	0	%100
80	M93	Z	-2.896	-2.896	0	%100
81	M95	X	1.745	1.745	0	%100
82	M95	Z	-3.023	-3.023	0	%100
83	M82A	X	1.304	1.304	0	%100
84	M82A	Z	-2.259	-2.259	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	M100	X	1.579	1.579	0	%100
88	M100	Z	-2.736	-2.736	0	%100
89	M101	X	1.579	1.579	0	%100
90	M101	Z	-2.736	-2.736	0	%100
91	M102	X	1.729	1.729	0	%100
92	M102	Z	-2.995	-2.995	0	%100
93	M103	X	1.052	1.052	0	%100
94	M103	Z	-1.822	-1.822	0	%100
95	MP3C	X	1.403	1.403	0	%100
96	MP3C	Z	-2.429	-2.429	0	%100
97	MP4C	X	1.403	1.403	0	%100
98	MP4C	Z	-2.429	-2.429	0	%100
99	MP2C	X	1.403	1.403	0	%100
100	MP2C	Z	-2.429	-2.429	0	%100
101	MP1C	X	1.403	1.403	0	%100
102	MP1C	Z	-2.429	-2.429	0	%100
103	M102A	X	1.052	1.052	0	%100
104	M102A	Z	-1.822	-1.822	0	%100
105	MP3B	X	1.403	1.403	0	%100
106	MP3B	Z	-2.429	-2.429	0	%100
107	MP4B	X	1.403	1.403	0	%100
108	MP4B	Z	-2.429	-2.429	0	%100
109	MP2B	X	1.403	1.403	0	%100
110	MP2B	Z	-2.429	-2.429	0	%100
111	MP1B	X	1.403	1.403	0	%100
112	MP1B	Z	-2.429	-2.429	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	OVP	X	1.151	1.151	0	%100
116	OVP	Z	-1.994	-1.994	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	1.072	1.072	0	%100
120	M127	Z	-1.858	-1.858	0	%100
121	M128	X	1.072	1.072	0	%100
122	M128	Z	-1.858	-1.858	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	.753	.753	0	%100
2	M1	Z	-.435	-.435	0	%100
3	M4	X	2.28	2.28	0	%100
4	M4	Z	-1.316	-1.316	0	%100
5	M10	X	.619	.619	0	%100
6	M10	Z	-.357	-.357	0	%100
7	MP3A	X	2.429	2.429	0	%100
8	MP3A	Z	-1.403	-1.403	0	%100
9	MP4A	X	2.429	2.429	0	%100
10	MP4A	Z	-1.403	-1.403	0	%100
11	MP2A	X	2.429	2.429	0	%100
12	MP2A	Z	-1.403	-1.403	0	%100
13	MP1A	X	2.429	2.429	0	%100
14	MP1A	Z	-1.403	-1.403	0	%100
15	M43	X	.619	.619	0	%100
16	M43	Z	-.357	-.357	0	%100
17	M46	X	.967	.967	0	%100
18	M46	Z	-.558	-.558	0	%100
19	M51B	X	2.847	2.847	0	%100
20	M51B	Z	-1.644	-1.644	0	%100
21	M52B	X	.712	.712	0	%100
22	M52B	Z	-.411	-.411	0	%100
23	M76	X	2.853	2.853	0	%100
24	M76	Z	-1.647	-1.647	0	%100
25	M77	X	3.862	3.862	0	%100
26	M77	Z	-2.23	-2.23	0	%100
27	M80	X	4.03	4.03	0	%100
28	M80	Z	-2.327	-2.327	0	%100
29	M84	X	2.853	2.853	0	%100
30	M84	Z	-1.647	-1.647	0	%100
31	M85	X	.965	.965	0	%100
32	M85	Z	-.557	-.557	0	%100
33	M91	X	1.008	1.008	0	%100
34	M91	Z	-.582	-.582	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	2.474	2.474	0	%100
38	M53	Z	-1.428	-1.428	0	%100
39	M54	X	2.474	2.474	0	%100
40	M54	Z	-1.428	-1.428	0	%100
41	M55	X	3.867	3.867	0	%100
42	M55	Z	-2.233	-2.233	0	%100
43	M58A	X	.712	.712	0	%100
44	M58A	Z	-.411	-.411	0	%100
45	M59A	X	.712	.712	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,%]
46	M59A	Z	-.411	-.411	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	.965	.965	0	%100
50	M64	Z	-.557	-.557	0	%100
51	M66	X	1.008	1.008	0	%100
52	M66	Z	-.582	-.582	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	.965	.965	0	%100
56	M69	Z	-.557	-.557	0	%100
57	M71	X	1.008	1.008	0	%100
58	M71	Z	-.582	-.582	0	%100
59	M76A	X	2.28	2.28	0	%100
60	M76A	Z	-1.316	-1.316	0	%100
61	M77A	X	.619	.619	0	%100
62	M77A	Z	-.357	-.357	0	%100
63	M78	X	.619	.619	0	%100
64	M78	Z	-.357	-.357	0	%100
65	M79A	X	.967	.967	0	%100
66	M79A	Z	-.558	-.558	0	%100
67	M82	X	.712	.712	0	%100
68	M82	Z	-.411	-.411	0	%100
69	M83A	X	2.847	2.847	0	%100
70	M83A	Z	-1.644	-1.644	0	%100
71	M87	X	2.853	2.853	0	%100
72	M87	Z	-1.647	-1.647	0	%100
73	M88A	X	.965	.965	0	%100
74	M88A	Z	-.557	-.557	0	%100
75	M90	X	1.008	1.008	0	%100
76	M90	Z	-.582	-.582	0	%100
77	M92A	X	2.853	2.853	0	%100
78	M92A	Z	-1.647	-1.647	0	%100
79	M93	X	3.862	3.862	0	%100
80	M93	Z	-2.23	-2.23	0	%100
81	M95	X	4.03	4.03	0	%100
82	M95	Z	-2.327	-2.327	0	%100
83	M82A	X	3.011	3.011	0	%100
84	M82A	Z	-1.739	-1.739	0	%100
85	M91B	X	.753	.753	0	%100
86	M91B	Z	-.435	-.435	0	%100
87	M100	X	2.908	2.908	0	%100
88	M100	Z	-1.679	-1.679	0	%100
89	M101	X	2.649	2.649	0	%100
90	M101	Z	-1.53	-1.53	0	%100
91	M102	X	2.908	2.908	0	%100
92	M102	Z	-1.679	-1.679	0	%100
93	M103	X	.607	.607	0	%100
94	M103	Z	-.351	-.351	0	%100
95	MP3C	X	2.429	2.429	0	%100
96	MP3C	Z	-1.403	-1.403	0	%100
97	MP4C	X	2.429	2.429	0	%100
98	MP4C	Z	-1.403	-1.403	0	%100
99	MP2C	X	2.429	2.429	0	%100
100	MP2C	Z	-1.403	-1.403	0	%100
101	MP1C	X	2.429	2.429	0	%100
102	MP1C	Z	-1.403	-1.403	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,%]
103	M102A	X	2.429	2.429	0	%100
104	M102A	Z	-1.403	-1.403	0	%100
105	MP3B	X	2.429	2.429	0	%100
106	MP3B	Z	-1.403	-1.403	0	%100
107	MP4B	X	2.429	2.429	0	%100
108	MP4B	Z	-1.403	-1.403	0	%100
109	MP2B	X	2.429	2.429	0	%100
110	MP2B	Z	-1.403	-1.403	0	%100
111	MP1B	X	2.429	2.429	0	%100
112	MP1B	Z	-1.403	-1.403	0	%100
113	M117	X	.607	.607	0	%100
114	M117	Z	-.351	-.351	0	%100
115	OVP	X	1.994	1.994	0	%100
116	OVP	Z	-1.151	-1.151	0	%100
117	M126	X	.619	.619	0	%100
118	M126	Z	-.357	-.357	0	%100
119	M127	X	2.477	2.477	0	%100
120	M127	Z	-1.43	-1.43	0	%100
121	M128	X	.619	.619	0	%100
122	M128	Z	-.357	-.357	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	3.51	3.51	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	2.805	2.805	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	2.805	2.805	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	2.805	2.805	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	2.805	2.805	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	2.465	2.465	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	2.465	2.465	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	4.393	4.393	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	3.345	3.345	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	3.49	3.49	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	4.393	4.393	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	3.345	3.345	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	3.49	3.49	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	M91	Z	0	0	0	%100
35	M52A	X	.878	.878	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	2.143	2.143	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	2.143	2.143	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	3.349	3.349	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	2.465	2.465	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	1.098	1.098	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	3.345	3.345	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	3.49	3.49	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	1.098	1.098	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	.878	.878	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	2.143	2.143	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	2.143	2.143	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	3.349	3.349	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	2.465	2.465	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	1.098	1.098	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	1.098	1.098	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	3.345	3.345	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	3.49	3.49	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	2.608	2.608	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	2.608	2.608	0	%100
86	M91B	Z	0	0	0	%100
87	M100	X	3.458	3.458	0	%100
88	M100	Z	0	0	0	%100
89	M101	X	3.159	3.159	0	%100
90	M101	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	M102	X	3.159	3.159	0	%100
92	M102	Z	0	0	0	%100
93	M103	X	0	0	0	%100
94	M103	Z	0	0	0	%100
95	MP3C	X	2.805	2.805	0	%100
96	MP3C	Z	0	0	0	%100
97	MP4C	X	2.805	2.805	0	%100
98	MP4C	Z	0	0	0	%100
99	MP2C	X	2.805	2.805	0	%100
100	MP2C	Z	0	0	0	%100
101	MP1C	X	2.805	2.805	0	%100
102	MP1C	Z	0	0	0	%100
103	M102A	X	2.104	2.104	0	%100
104	M102A	Z	0	0	0	%100
105	MP3B	X	2.805	2.805	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	2.805	2.805	0	%100
108	MP4B	Z	0	0	0	%100
109	MP2B	X	2.805	2.805	0	%100
110	MP2B	Z	0	0	0	%100
111	MP1B	X	2.805	2.805	0	%100
112	MP1B	Z	0	0	0	%100
113	M117	X	2.104	2.104	0	%100
114	M117	Z	0	0	0	%100
115	OVP	X	2.303	2.303	0	%100
116	OVP	Z	0	0	0	%100
117	M126	X	2.145	2.145	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	2.145	2.145	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	0	0	0	%100
122	M128	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	.753	.753	0	%100
2	M1	Z	.435	.435	0	%100
3	M4	X	2.28	2.28	0	%100
4	M4	Z	1.316	1.316	0	%100
5	M10	X	.619	.619	0	%100
6	M10	Z	.357	.357	0	%100
7	MP3A	X	2.429	2.429	0	%100
8	MP3A	Z	1.403	1.403	0	%100
9	MP4A	X	2.429	2.429	0	%100
10	MP4A	Z	1.403	1.403	0	%100
11	MP2A	X	2.429	2.429	0	%100
12	MP2A	Z	1.403	1.403	0	%100
13	MP1A	X	2.429	2.429	0	%100
14	MP1A	Z	1.403	1.403	0	%100
15	M43	X	.619	.619	0	%100
16	M43	Z	.357	.357	0	%100
17	M46	X	.967	.967	0	%100
18	M46	Z	.558	.558	0	%100
19	M51B	X	.712	.712	0	%100
20	M51B	Z	.411	.411	0	%100
21	M52B	X	2.847	2.847	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,%]
22	M52B	Z	1.644	1.644	0	%100
23	M76	X	2.853	2.853	0	%100
24	M76	Z	1.647	1.647	0	%100
25	M77	X	.965	.965	0	%100
26	M77	Z	.557	.557	0	%100
27	M80	X	1.008	1.008	0	%100
28	M80	Z	.582	.582	0	%100
29	M84	X	2.853	2.853	0	%100
30	M84	Z	1.647	1.647	0	%100
31	M85	X	3.862	3.862	0	%100
32	M85	Z	2.23	2.23	0	%100
33	M91	X	4.03	4.03	0	%100
34	M91	Z	2.327	2.327	0	%100
35	M52A	X	2.28	2.28	0	%100
36	M52A	Z	1.316	1.316	0	%100
37	M53	X	.619	.619	0	%100
38	M53	Z	.357	.357	0	%100
39	M54	X	.619	.619	0	%100
40	M54	Z	.357	.357	0	%100
41	M55	X	.967	.967	0	%100
42	M55	Z	.558	.558	0	%100
43	M58A	X	2.847	2.847	0	%100
44	M58A	Z	1.644	1.644	0	%100
45	M59A	X	.712	.712	0	%100
46	M59A	Z	.411	.411	0	%100
47	M63	X	2.853	2.853	0	%100
48	M63	Z	1.647	1.647	0	%100
49	M64	X	3.862	3.862	0	%100
50	M64	Z	2.23	2.23	0	%100
51	M66	X	4.03	4.03	0	%100
52	M66	Z	2.327	2.327	0	%100
53	M68	X	2.853	2.853	0	%100
54	M68	Z	1.647	1.647	0	%100
55	M69	X	.965	.965	0	%100
56	M69	Z	.557	.557	0	%100
57	M71	X	1.008	1.008	0	%100
58	M71	Z	.582	.582	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	2.474	2.474	0	%100
62	M77A	Z	1.428	1.428	0	%100
63	M78	X	2.474	2.474	0	%100
64	M78	Z	1.428	1.428	0	%100
65	M79A	X	3.867	3.867	0	%100
66	M79A	Z	2.233	2.233	0	%100
67	M82	X	.712	.712	0	%100
68	M82	Z	.411	.411	0	%100
69	M83A	X	.712	.712	0	%100
70	M83A	Z	.411	.411	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	.965	.965	0	%100
74	M88A	Z	.557	.557	0	%100
75	M90	X	1.008	1.008	0	%100
76	M90	Z	.582	.582	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	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,%]
79	M93	X	.965	.965	0	%100
80	M93	Z	.557	.557	0	%100
81	M95	X	1.008	1.008	0	%100
82	M95	Z	.582	.582	0	%100
83	M82A	X	.753	.753	0	%100
84	M82A	Z	.435	.435	0	%100
85	M91B	X	3.011	3.011	0	%100
86	M91B	Z	1.739	1.739	0	%100
87	M100	X	2.908	2.908	0	%100
88	M100	Z	1.679	1.679	0	%100
89	M101	X	2.908	2.908	0	%100
90	M101	Z	1.679	1.679	0	%100
91	M102	X	2.649	2.649	0	%100
92	M102	Z	1.53	1.53	0	%100
93	M103	X	.607	.607	0	%100
94	M103	Z	.351	.351	0	%100
95	MP3C	X	2.429	2.429	0	%100
96	MP3C	Z	1.403	1.403	0	%100
97	MP4C	X	2.429	2.429	0	%100
98	MP4C	Z	1.403	1.403	0	%100
99	MP2C	X	2.429	2.429	0	%100
100	MP2C	Z	1.403	1.403	0	%100
101	MP1C	X	2.429	2.429	0	%100
102	MP1C	Z	1.403	1.403	0	%100
103	M102A	X	.607	.607	0	%100
104	M102A	Z	.351	.351	0	%100
105	MP3B	X	2.429	2.429	0	%100
106	MP3B	Z	1.403	1.403	0	%100
107	MP4B	X	2.429	2.429	0	%100
108	MP4B	Z	1.403	1.403	0	%100
109	MP2B	X	2.429	2.429	0	%100
110	MP2B	Z	1.403	1.403	0	%100
111	MP1B	X	2.429	2.429	0	%100
112	MP1B	Z	1.403	1.403	0	%100
113	M117	X	2.429	2.429	0	%100
114	M117	Z	1.403	1.403	0	%100
115	OVP	X	1.994	1.994	0	%100
116	OVP	Z	1.151	1.151	0	%100
117	M126	X	2.477	2.477	0	%100
118	M126	Z	1.43	1.43	0	%100
119	M127	X	.619	.619	0	%100
120	M127	Z	.357	.357	0	%100
121	M128	X	.619	.619	0	%100
122	M128	Z	.357	.357	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.304	1.304	0	%100
2	M1	Z	2.259	2.259	0	%100
3	M4	X	.439	.439	0	%100
4	M4	Z	.76	.76	0	%100
5	M10	X	1.071	1.071	0	%100
6	M10	Z	1.856	1.856	0	%100
7	MP3A	X	1.403	1.403	0	%100
8	MP3A	Z	2.429	2.429	0	%100
9	MP4A	X	1.403	1.403	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,%]
10	MP4A	Z	2.429	2.429	0	%100
11	MP2A	X	1.403	1.403	0	%100
12	MP2A	Z	2.429	2.429	0	%100
13	MP1A	X	1.403	1.403	0	%100
14	MP1A	Z	2.429	2.429	0	%100
15	M43	X	1.071	1.071	0	%100
16	M43	Z	1.856	1.856	0	%100
17	M46	X	1.675	1.675	0	%100
18	M46	Z	2.901	2.901	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	1.233	1.233	0	%100
22	M52B	Z	2.135	2.135	0	%100
23	M76	X	.549	.549	0	%100
24	M76	Z	.951	.951	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.549	.549	0	%100
30	M84	Z	.951	.951	0	%100
31	M85	X	1.672	1.672	0	%100
32	M85	Z	2.896	2.896	0	%100
33	M91	X	1.745	1.745	0	%100
34	M91	Z	3.023	3.023	0	%100
35	M52A	X	1.755	1.755	0	%100
36	M52A	Z	3.04	3.04	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	1.233	1.233	0	%100
44	M58A	Z	2.135	2.135	0	%100
45	M59A	X	1.233	1.233	0	%100
46	M59A	Z	2.135	2.135	0	%100
47	M63	X	2.197	2.197	0	%100
48	M63	Z	3.804	3.804	0	%100
49	M64	X	1.672	1.672	0	%100
50	M64	Z	2.896	2.896	0	%100
51	M66	X	1.745	1.745	0	%100
52	M66	Z	3.023	3.023	0	%100
53	M68	X	2.197	2.197	0	%100
54	M68	Z	3.804	3.804	0	%100
55	M69	X	1.672	1.672	0	%100
56	M69	Z	2.896	2.896	0	%100
57	M71	X	1.745	1.745	0	%100
58	M71	Z	3.023	3.023	0	%100
59	M76A	X	.439	.439	0	%100
60	M76A	Z	.76	.76	0	%100
61	M77A	X	1.071	1.071	0	%100
62	M77A	Z	1.856	1.856	0	%100
63	M78	X	1.071	1.071	0	%100
64	M78	Z	1.856	1.856	0	%100
65	M79A	X	1.675	1.675	0	%100
66	M79A	Z	2.901	2.901	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,%]
67	M82	X	1.233	1.233	0	%100
68	M82	Z	2.135	2.135	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.549	.549	0	%100
72	M87	Z	.951	.951	0	%100
73	M88A	X	1.672	1.672	0	%100
74	M88A	Z	2.896	2.896	0	%100
75	M90	X	1.745	1.745	0	%100
76	M90	Z	3.023	3.023	0	%100
77	M92A	X	.549	.549	0	%100
78	M92A	Z	.951	.951	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	1.304	1.304	0	%100
86	M91B	Z	2.259	2.259	0	%100
87	M100	X	1.579	1.579	0	%100
88	M100	Z	2.736	2.736	0	%100
89	M101	X	1.729	1.729	0	%100
90	M101	Z	2.995	2.995	0	%100
91	M102	X	1.579	1.579	0	%100
92	M102	Z	2.736	2.736	0	%100
93	M103	X	1.052	1.052	0	%100
94	M103	Z	1.822	1.822	0	%100
95	MP3C	X	1.403	1.403	0	%100
96	MP3C	Z	2.429	2.429	0	%100
97	MP4C	X	1.403	1.403	0	%100
98	MP4C	Z	2.429	2.429	0	%100
99	MP2C	X	1.403	1.403	0	%100
100	MP2C	Z	2.429	2.429	0	%100
101	MP1C	X	1.403	1.403	0	%100
102	MP1C	Z	2.429	2.429	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	0	0	0	%100
105	MP3B	X	1.403	1.403	0	%100
106	MP3B	Z	2.429	2.429	0	%100
107	MP4B	X	1.403	1.403	0	%100
108	MP4B	Z	2.429	2.429	0	%100
109	MP2B	X	1.403	1.403	0	%100
110	MP2B	Z	2.429	2.429	0	%100
111	MP1B	X	1.403	1.403	0	%100
112	MP1B	Z	2.429	2.429	0	%100
113	M117	X	1.052	1.052	0	%100
114	M117	Z	1.822	1.822	0	%100
115	OVP	X	1.151	1.151	0	%100
116	OVP	Z	1.994	1.994	0	%100
117	M126	X	1.072	1.072	0	%100
118	M126	Z	1.858	1.858	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	1.072	1.072	0	%100
122	M128	Z	1.858	1.858	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	3.477	3.477	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	2.857	2.857	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	2.805	2.805	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	2.805	2.805	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	2.805	2.805	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	2.805	2.805	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	2.857	2.857	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	4.466	4.466	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.822	.822	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.822	.822	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	1.115	1.115	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	1.163	1.163	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	1.115	1.115	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	1.163	1.163	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	2.633	2.633	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	.714	.714	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	.714	.714	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	1.116	1.116	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	.822	.822	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	3.287	3.287	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	3.295	3.295	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	1.115	1.115	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	1.163	1.163	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	3.295	3.295	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	4.459	4.459	0	%100
57	M71	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,%]
58	M71	Z	4.654	4.654	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	2.633	2.633	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	.714	.714	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	.714	.714	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	1.116	1.116	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	3.287	3.287	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	.822	.822	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	3.295	3.295	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	4.459	4.459	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	4.654	4.654	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	3.295	3.295	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	1.115	1.115	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	1.163	1.163	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	.869	.869	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	.869	.869	0	%100
87	M100	X	0	0	0	%100
88	M100	Z	3.059	3.059	0	%100
89	M101	X	0	0	0	%100
90	M101	Z	3.358	3.358	0	%100
91	M102	X	0	0	0	%100
92	M102	Z	3.358	3.358	0	%100
93	M103	X	0	0	0	%100
94	M103	Z	2.805	2.805	0	%100
95	MP3C	X	0	0	0	%100
96	MP3C	Z	2.805	2.805	0	%100
97	MP4C	X	0	0	0	%100
98	MP4C	Z	2.805	2.805	0	%100
99	MP2C	X	0	0	0	%100
100	MP2C	Z	2.805	2.805	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	2.805	2.805	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	.701	.701	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	2.805	2.805	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	2.805	2.805	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	2.805	2.805	0	%100
111	MP1B	X	0	0	0	%100
112	MP1B	Z	2.805	2.805	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	.701	.701	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,%]
115	OVP	X	0	0	0	%100
116	OVP	Z	2.303	2.303	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	.715	.715	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	.715	.715	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	2.86	2.86	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.304	-1.304	0	%100
2	M1	Z	2.259	2.259	0	%100
3	M4	X	-.439	-.439	0	%100
4	M4	Z	.76	.76	0	%100
5	M10	X	-1.071	-1.071	0	%100
6	M10	Z	1.856	1.856	0	%100
7	MP3A	X	-1.403	-1.403	0	%100
8	MP3A	Z	2.429	2.429	0	%100
9	MP4A	X	-1.403	-1.403	0	%100
10	MP4A	Z	2.429	2.429	0	%100
11	MP2A	X	-1.403	-1.403	0	%100
12	MP2A	Z	2.429	2.429	0	%100
13	MP1A	X	-1.403	-1.403	0	%100
14	MP1A	Z	2.429	2.429	0	%100
15	M43	X	-1.071	-1.071	0	%100
16	M43	Z	1.856	1.856	0	%100
17	M46	X	-1.675	-1.675	0	%100
18	M46	Z	2.901	2.901	0	%100
19	M51B	X	-1.233	-1.233	0	%100
20	M51B	Z	2.135	2.135	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-.549	-.549	0	%100
24	M76	Z	.951	.951	0	%100
25	M77	X	-1.672	-1.672	0	%100
26	M77	Z	2.896	2.896	0	%100
27	M80	X	-1.745	-1.745	0	%100
28	M80	Z	3.023	3.023	0	%100
29	M84	X	-.549	-.549	0	%100
30	M84	Z	.951	.951	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.439	-.439	0	%100
36	M52A	Z	.76	.76	0	%100
37	M53	X	-1.071	-1.071	0	%100
38	M53	Z	1.856	1.856	0	%100
39	M54	X	-1.071	-1.071	0	%100
40	M54	Z	1.856	1.856	0	%100
41	M55	X	-1.675	-1.675	0	%100
42	M55	Z	2.901	2.901	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-1.233	-1.233	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,%]
46	M59A	Z	2.135	2.135	0	%100
47	M63	X	-.549	-.549	0	%100
48	M63	Z	.951	.951	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-.549	-.549	0	%100
54	M68	Z	.951	.951	0	%100
55	M69	X	-1.672	-1.672	0	%100
56	M69	Z	2.896	2.896	0	%100
57	M71	X	-1.745	-1.745	0	%100
58	M71	Z	3.023	3.023	0	%100
59	M76A	X	-1.755	-1.755	0	%100
60	M76A	Z	3.04	3.04	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-1.233	-1.233	0	%100
68	M82	Z	2.135	2.135	0	%100
69	M83A	X	-1.233	-1.233	0	%100
70	M83A	Z	2.135	2.135	0	%100
71	M87	X	-2.197	-2.197	0	%100
72	M87	Z	3.804	3.804	0	%100
73	M88A	X	-1.672	-1.672	0	%100
74	M88A	Z	2.896	2.896	0	%100
75	M90	X	-1.745	-1.745	0	%100
76	M90	Z	3.023	3.023	0	%100
77	M92A	X	-2.197	-2.197	0	%100
78	M92A	Z	3.804	3.804	0	%100
79	M93	X	-1.672	-1.672	0	%100
80	M93	Z	2.896	2.896	0	%100
81	M95	X	-1.745	-1.745	0	%100
82	M95	Z	3.023	3.023	0	%100
83	M82A	X	-1.304	-1.304	0	%100
84	M82A	Z	2.259	2.259	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	M100	X	-1.579	-1.579	0	%100
88	M100	Z	2.736	2.736	0	%100
89	M101	X	-1.579	-1.579	0	%100
90	M101	Z	2.736	2.736	0	%100
91	M102	X	-1.729	-1.729	0	%100
92	M102	Z	2.995	2.995	0	%100
93	M103	X	-1.052	-1.052	0	%100
94	M103	Z	1.822	1.822	0	%100
95	MP3C	X	-1.403	-1.403	0	%100
96	MP3C	Z	2.429	2.429	0	%100
97	MP4C	X	-1.403	-1.403	0	%100
98	MP4C	Z	2.429	2.429	0	%100
99	MP2C	X	-1.403	-1.403	0	%100
100	MP2C	Z	2.429	2.429	0	%100
101	MP1C	X	-1.403	-1.403	0	%100
102	MP1C	Z	2.429	2.429	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,%]
103	M102A	X	-1.052	-1.052	0	%100
104	M102A	Z	1.822	1.822	0	%100
105	MP3B	X	-1.403	-1.403	0	%100
106	MP3B	Z	2.429	2.429	0	%100
107	MP4B	X	-1.403	-1.403	0	%100
108	MP4B	Z	2.429	2.429	0	%100
109	MP2B	X	-1.403	-1.403	0	%100
110	MP2B	Z	2.429	2.429	0	%100
111	MP1B	X	-1.403	-1.403	0	%100
112	MP1B	Z	2.429	2.429	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
115	OVP	X	-1.151	-1.151	0	%100
116	OVP	Z	1.994	1.994	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	-1.072	-1.072	0	%100
120	M127	Z	1.858	1.858	0	%100
121	M128	X	-1.072	-1.072	0	%100
122	M128	Z	1.858	1.858	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	-.753	-.753	0	%100
2	M1	Z	.435	.435	0	%100
3	M4	X	-2.28	-2.28	0	%100
4	M4	Z	1.316	1.316	0	%100
5	M10	X	-.619	-.619	0	%100
6	M10	Z	.357	.357	0	%100
7	MP3A	X	-2.429	-2.429	0	%100
8	MP3A	Z	1.403	1.403	0	%100
9	MP4A	X	-2.429	-2.429	0	%100
10	MP4A	Z	1.403	1.403	0	%100
11	MP2A	X	-2.429	-2.429	0	%100
12	MP2A	Z	1.403	1.403	0	%100
13	MP1A	X	-2.429	-2.429	0	%100
14	MP1A	Z	1.403	1.403	0	%100
15	M43	X	-.619	-.619	0	%100
16	M43	Z	.357	.357	0	%100
17	M46	X	-.967	-.967	0	%100
18	M46	Z	.558	.558	0	%100
19	M51B	X	-2.847	-2.847	0	%100
20	M51B	Z	1.644	1.644	0	%100
21	M52B	X	-.712	-.712	0	%100
22	M52B	Z	.411	.411	0	%100
23	M76	X	-2.853	-2.853	0	%100
24	M76	Z	1.647	1.647	0	%100
25	M77	X	-3.862	-3.862	0	%100
26	M77	Z	2.23	2.23	0	%100
27	M80	X	-4.03	-4.03	0	%100
28	M80	Z	2.327	2.327	0	%100
29	M84	X	-2.853	-2.853	0	%100
30	M84	Z	1.647	1.647	0	%100
31	M85	X	-.965	-.965	0	%100
32	M85	Z	.557	.557	0	%100
33	M91	X	-1.008	-1.008	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,%]
34	M91	Z	.582	.582	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-2.474	-2.474	0	%100
38	M53	Z	1.428	1.428	0	%100
39	M54	X	-2.474	-2.474	0	%100
40	M54	Z	1.428	1.428	0	%100
41	M55	X	-3.867	-3.867	0	%100
42	M55	Z	2.233	2.233	0	%100
43	M58A	X	-.712	-.712	0	%100
44	M58A	Z	.411	.411	0	%100
45	M59A	X	-.712	-.712	0	%100
46	M59A	Z	.411	.411	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-.965	-.965	0	%100
50	M64	Z	.557	.557	0	%100
51	M66	X	-1.008	-1.008	0	%100
52	M66	Z	.582	.582	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-.965	-.965	0	%100
56	M69	Z	.557	.557	0	%100
57	M71	X	-1.008	-1.008	0	%100
58	M71	Z	.582	.582	0	%100
59	M76A	X	-2.28	-2.28	0	%100
60	M76A	Z	1.316	1.316	0	%100
61	M77A	X	-.619	-.619	0	%100
62	M77A	Z	.357	.357	0	%100
63	M78	X	-.619	-.619	0	%100
64	M78	Z	.357	.357	0	%100
65	M79A	X	-.967	-.967	0	%100
66	M79A	Z	.558	.558	0	%100
67	M82	X	-.712	-.712	0	%100
68	M82	Z	.411	.411	0	%100
69	M83A	X	-2.847	-2.847	0	%100
70	M83A	Z	1.644	1.644	0	%100
71	M87	X	-2.853	-2.853	0	%100
72	M87	Z	1.647	1.647	0	%100
73	M88A	X	-.965	-.965	0	%100
74	M88A	Z	.557	.557	0	%100
75	M90	X	-1.008	-1.008	0	%100
76	M90	Z	.582	.582	0	%100
77	M92A	X	-2.853	-2.853	0	%100
78	M92A	Z	1.647	1.647	0	%100
79	M93	X	-3.862	-3.862	0	%100
80	M93	Z	2.23	2.23	0	%100
81	M95	X	-4.03	-4.03	0	%100
82	M95	Z	2.327	2.327	0	%100
83	M82A	X	-3.011	-3.011	0	%100
84	M82A	Z	1.739	1.739	0	%100
85	M91B	X	-.753	-.753	0	%100
86	M91B	Z	.435	.435	0	%100
87	M100	X	-2.908	-2.908	0	%100
88	M100	Z	1.679	1.679	0	%100
89	M101	X	-2.649	-2.649	0	%100
90	M101	Z	1.53	1.53	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,%]
91	M102	X	-2.908	-2.908	0	%100
92	M102	Z	1.679	1.679	0	%100
93	M103	X	-.607	-.607	0	%100
94	M103	Z	.351	.351	0	%100
95	MP3C	X	-2.429	-2.429	0	%100
96	MP3C	Z	1.403	1.403	0	%100
97	MP4C	X	-2.429	-2.429	0	%100
98	MP4C	Z	1.403	1.403	0	%100
99	MP2C	X	-2.429	-2.429	0	%100
100	MP2C	Z	1.403	1.403	0	%100
101	MP1C	X	-2.429	-2.429	0	%100
102	MP1C	Z	1.403	1.403	0	%100
103	M102A	X	-2.429	-2.429	0	%100
104	M102A	Z	1.403	1.403	0	%100
105	MP3B	X	-2.429	-2.429	0	%100
106	MP3B	Z	1.403	1.403	0	%100
107	MP4B	X	-2.429	-2.429	0	%100
108	MP4B	Z	1.403	1.403	0	%100
109	MP2B	X	-2.429	-2.429	0	%100
110	MP2B	Z	1.403	1.403	0	%100
111	MP1B	X	-2.429	-2.429	0	%100
112	MP1B	Z	1.403	1.403	0	%100
113	M117	X	-.607	-.607	0	%100
114	M117	Z	.351	.351	0	%100
115	OVP	X	-1.994	-1.994	0	%100
116	OVP	Z	1.151	1.151	0	%100
117	M126	X	-.619	-.619	0	%100
118	M126	Z	.357	.357	0	%100
119	M127	X	-2.477	-2.477	0	%100
120	M127	Z	1.43	1.43	0	%100
121	M128	X	-.619	-.619	0	%100
122	M128	Z	.357	.357	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-3.51	-3.51	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-2.805	-2.805	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-2.805	-2.805	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-2.805	-2.805	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-2.805	-2.805	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-2.465	-2.465	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-2.465	-2.465	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,%]
22	M52B	Z	0	0	0	%100
23	M76	X	-4.393	-4.393	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-3.345	-3.345	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-3.49	-3.49	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-4.393	-4.393	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-3.345	-3.345	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-3.49	-3.49	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.878	-.878	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-2.143	-2.143	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-2.143	-2.143	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-3.349	-3.349	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-2.465	-2.465	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-1.098	-1.098	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-3.345	-3.345	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-3.49	-3.49	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-1.098	-1.098	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	-.878	-.878	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-2.143	-2.143	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-2.143	-2.143	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-3.349	-3.349	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-2.465	-2.465	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-1.098	-1.098	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-1.098	-1.098	0	%100
78	M92A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M93	X	-3.345	-3.345	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-3.49	-3.49	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-2.608	-2.608	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-2.608	-2.608	0	%100
86	M91B	Z	0	0	0	%100
87	M100	X	-3.458	-3.458	0	%100
88	M100	Z	0	0	0	%100
89	M101	X	-3.159	-3.159	0	%100
90	M101	Z	0	0	0	%100
91	M102	X	-3.159	-3.159	0	%100
92	M102	Z	0	0	0	%100
93	M103	X	0	0	0	%100
94	M103	Z	0	0	0	%100
95	MP3C	X	-2.805	-2.805	0	%100
96	MP3C	Z	0	0	0	%100
97	MP4C	X	-2.805	-2.805	0	%100
98	MP4C	Z	0	0	0	%100
99	MP2C	X	-2.805	-2.805	0	%100
100	MP2C	Z	0	0	0	%100
101	MP1C	X	-2.805	-2.805	0	%100
102	MP1C	Z	0	0	0	%100
103	M102A	X	-2.104	-2.104	0	%100
104	M102A	Z	0	0	0	%100
105	MP3B	X	-2.805	-2.805	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	-2.805	-2.805	0	%100
108	MP4B	Z	0	0	0	%100
109	MP2B	X	-2.805	-2.805	0	%100
110	MP2B	Z	0	0	0	%100
111	MP1B	X	-2.805	-2.805	0	%100
112	MP1B	Z	0	0	0	%100
113	M117	X	-2.104	-2.104	0	%100
114	M117	Z	0	0	0	%100
115	OVP	X	-2.303	-2.303	0	%100
116	OVP	Z	0	0	0	%100
117	M126	X	-2.145	-2.145	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	-2.145	-2.145	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	0	0	0	%100
122	M128	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	-.753	-.753	0	%100
2	M1	Z	-.435	-.435	0	%100
3	M4	X	-2.28	-2.28	0	%100
4	M4	Z	-1.316	-1.316	0	%100
5	M10	X	-.619	-.619	0	%100
6	M10	Z	-.357	-.357	0	%100
7	MP3A	X	-2.429	-2.429	0	%100
8	MP3A	Z	-1.403	-1.403	0	%100
9	MP4A	X	-2.429	-2.429	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,%]
10	MP4A	Z	-1.403	-1.403	0	%100
11	MP2A	X	-2.429	-2.429	0	%100
12	MP2A	Z	-1.403	-1.403	0	%100
13	MP1A	X	-2.429	-2.429	0	%100
14	MP1A	Z	-1.403	-1.403	0	%100
15	M43	X	-.619	-.619	0	%100
16	M43	Z	-.357	-.357	0	%100
17	M46	X	-.967	-.967	0	%100
18	M46	Z	-.558	-.558	0	%100
19	M51B	X	-.712	-.712	0	%100
20	M51B	Z	-.411	-.411	0	%100
21	M52B	X	-2.847	-2.847	0	%100
22	M52B	Z	-1.644	-1.644	0	%100
23	M76	X	-2.853	-2.853	0	%100
24	M76	Z	-1.647	-1.647	0	%100
25	M77	X	-.965	-.965	0	%100
26	M77	Z	-.557	-.557	0	%100
27	M80	X	-1.008	-1.008	0	%100
28	M80	Z	-.582	-.582	0	%100
29	M84	X	-2.853	-2.853	0	%100
30	M84	Z	-1.647	-1.647	0	%100
31	M85	X	-3.862	-3.862	0	%100
32	M85	Z	-2.23	-2.23	0	%100
33	M91	X	-4.03	-4.03	0	%100
34	M91	Z	-2.327	-2.327	0	%100
35	M52A	X	-2.28	-2.28	0	%100
36	M52A	Z	-1.316	-1.316	0	%100
37	M53	X	-.619	-.619	0	%100
38	M53	Z	-.357	-.357	0	%100
39	M54	X	-.619	-.619	0	%100
40	M54	Z	-.357	-.357	0	%100
41	M55	X	-.967	-.967	0	%100
42	M55	Z	-.558	-.558	0	%100
43	M58A	X	-2.847	-2.847	0	%100
44	M58A	Z	-1.644	-1.644	0	%100
45	M59A	X	-.712	-.712	0	%100
46	M59A	Z	-.411	-.411	0	%100
47	M63	X	-2.853	-2.853	0	%100
48	M63	Z	-1.647	-1.647	0	%100
49	M64	X	-3.862	-3.862	0	%100
50	M64	Z	-2.23	-2.23	0	%100
51	M66	X	-4.03	-4.03	0	%100
52	M66	Z	-2.327	-2.327	0	%100
53	M68	X	-2.853	-2.853	0	%100
54	M68	Z	-1.647	-1.647	0	%100
55	M69	X	-.965	-.965	0	%100
56	M69	Z	-.557	-.557	0	%100
57	M71	X	-1.008	-1.008	0	%100
58	M71	Z	-.582	-.582	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-2.474	-2.474	0	%100
62	M77A	Z	-1.428	-1.428	0	%100
63	M78	X	-2.474	-2.474	0	%100
64	M78	Z	-1.428	-1.428	0	%100
65	M79A	X	-3.867	-3.867	0	%100
66	M79A	Z	-2.233	-2.233	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,%]
67	M82	X	-.712	-.712	0	%100
68	M82	Z	-.411	-.411	0	%100
69	M83A	X	-.712	-.712	0	%100
70	M83A	Z	-.411	-.411	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-.965	-.965	0	%100
74	M88A	Z	-.557	-.557	0	%100
75	M90	X	-1.008	-1.008	0	%100
76	M90	Z	-.582	-.582	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-.965	-.965	0	%100
80	M93	Z	-.557	-.557	0	%100
81	M95	X	-1.008	-1.008	0	%100
82	M95	Z	-.582	-.582	0	%100
83	M82A	X	-.753	-.753	0	%100
84	M82A	Z	-.435	-.435	0	%100
85	M91B	X	-3.011	-3.011	0	%100
86	M91B	Z	-1.739	-1.739	0	%100
87	M100	X	-2.908	-2.908	0	%100
88	M100	Z	-1.679	-1.679	0	%100
89	M101	X	-2.908	-2.908	0	%100
90	M101	Z	-1.679	-1.679	0	%100
91	M102	X	-2.649	-2.649	0	%100
92	M102	Z	-1.53	-1.53	0	%100
93	M103	X	-.607	-.607	0	%100
94	M103	Z	-.351	-.351	0	%100
95	MP3C	X	-2.429	-2.429	0	%100
96	MP3C	Z	-1.403	-1.403	0	%100
97	MP4C	X	-2.429	-2.429	0	%100
98	MP4C	Z	-1.403	-1.403	0	%100
99	MP2C	X	-2.429	-2.429	0	%100
100	MP2C	Z	-1.403	-1.403	0	%100
101	MP1C	X	-2.429	-2.429	0	%100
102	MP1C	Z	-1.403	-1.403	0	%100
103	M102A	X	-.607	-.607	0	%100
104	M102A	Z	-.351	-.351	0	%100
105	MP3B	X	-2.429	-2.429	0	%100
106	MP3B	Z	-1.403	-1.403	0	%100
107	MP4B	X	-2.429	-2.429	0	%100
108	MP4B	Z	-1.403	-1.403	0	%100
109	MP2B	X	-2.429	-2.429	0	%100
110	MP2B	Z	-1.403	-1.403	0	%100
111	MP1B	X	-2.429	-2.429	0	%100
112	MP1B	Z	-1.403	-1.403	0	%100
113	M117	X	-2.429	-2.429	0	%100
114	M117	Z	-1.403	-1.403	0	%100
115	OVP	X	-1.994	-1.994	0	%100
116	OVP	Z	-1.151	-1.151	0	%100
117	M126	X	-2.477	-2.477	0	%100
118	M126	Z	-1.43	-1.43	0	%100
119	M127	X	-.619	-.619	0	%100
120	M127	Z	-.357	-.357	0	%100
121	M128	X	-.619	-.619	0	%100
122	M128	Z	-.357	-.357	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.304	-1.304	0	%100
2	M1	Z	-2.259	-2.259	0	%100
3	M4	X	-.439	-.439	0	%100
4	M4	Z	-.76	-.76	0	%100
5	M10	X	-1.071	-1.071	0	%100
6	M10	Z	-1.856	-1.856	0	%100
7	MP3A	X	-1.403	-1.403	0	%100
8	MP3A	Z	-2.429	-2.429	0	%100
9	MP4A	X	-1.403	-1.403	0	%100
10	MP4A	Z	-2.429	-2.429	0	%100
11	MP2A	X	-1.403	-1.403	0	%100
12	MP2A	Z	-2.429	-2.429	0	%100
13	MP1A	X	-1.403	-1.403	0	%100
14	MP1A	Z	-2.429	-2.429	0	%100
15	M43	X	-1.071	-1.071	0	%100
16	M43	Z	-1.856	-1.856	0	%100
17	M46	X	-1.675	-1.675	0	%100
18	M46	Z	-2.901	-2.901	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-1.233	-1.233	0	%100
22	M52B	Z	-2.135	-2.135	0	%100
23	M76	X	-.549	-.549	0	%100
24	M76	Z	-.951	-.951	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-.549	-.549	0	%100
30	M84	Z	-.951	-.951	0	%100
31	M85	X	-1.672	-1.672	0	%100
32	M85	Z	-2.896	-2.896	0	%100
33	M91	X	-1.745	-1.745	0	%100
34	M91	Z	-3.023	-3.023	0	%100
35	M52A	X	-1.755	-1.755	0	%100
36	M52A	Z	-3.04	-3.04	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-1.233	-1.233	0	%100
44	M58A	Z	-2.135	-2.135	0	%100
45	M59A	X	-1.233	-1.233	0	%100
46	M59A	Z	-2.135	-2.135	0	%100
47	M63	X	-2.197	-2.197	0	%100
48	M63	Z	-3.804	-3.804	0	%100
49	M64	X	-1.672	-1.672	0	%100
50	M64	Z	-2.896	-2.896	0	%100
51	M66	X	-1.745	-1.745	0	%100
52	M66	Z	-3.023	-3.023	0	%100
53	M68	X	-2.197	-2.197	0	%100
54	M68	Z	-3.804	-3.804	0	%100
55	M69	X	-1.672	-1.672	0	%100
56	M69	Z	-2.896	-2.896	0	%100
57	M71	X	-1.745	-1.745	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,%]
58	M71	Z	-3.023	-3.023	0	%100
59	M76A	X	-.439	-.439	0	%100
60	M76A	Z	-.76	-.76	0	%100
61	M77A	X	-1.071	-1.071	0	%100
62	M77A	Z	-1.856	-1.856	0	%100
63	M78	X	-1.071	-1.071	0	%100
64	M78	Z	-1.856	-1.856	0	%100
65	M79A	X	-1.675	-1.675	0	%100
66	M79A	Z	-2.901	-2.901	0	%100
67	M82	X	-1.233	-1.233	0	%100
68	M82	Z	-2.135	-2.135	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.549	-.549	0	%100
72	M87	Z	-.951	-.951	0	%100
73	M88A	X	-1.672	-1.672	0	%100
74	M88A	Z	-2.896	-2.896	0	%100
75	M90	X	-1.745	-1.745	0	%100
76	M90	Z	-3.023	-3.023	0	%100
77	M92A	X	-.549	-.549	0	%100
78	M92A	Z	-.951	-.951	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-1.304	-1.304	0	%100
86	M91B	Z	-2.259	-2.259	0	%100
87	M100	X	-1.579	-1.579	0	%100
88	M100	Z	-2.736	-2.736	0	%100
89	M101	X	-1.729	-1.729	0	%100
90	M101	Z	-2.995	-2.995	0	%100
91	M102	X	-1.579	-1.579	0	%100
92	M102	Z	-2.736	-2.736	0	%100
93	M103	X	-1.052	-1.052	0	%100
94	M103	Z	-1.822	-1.822	0	%100
95	MP3C	X	-1.403	-1.403	0	%100
96	MP3C	Z	-2.429	-2.429	0	%100
97	MP4C	X	-1.403	-1.403	0	%100
98	MP4C	Z	-2.429	-2.429	0	%100
99	MP2C	X	-1.403	-1.403	0	%100
100	MP2C	Z	-2.429	-2.429	0	%100
101	MP1C	X	-1.403	-1.403	0	%100
102	MP1C	Z	-2.429	-2.429	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	0	0	0	%100
105	MP3B	X	-1.403	-1.403	0	%100
106	MP3B	Z	-2.429	-2.429	0	%100
107	MP4B	X	-1.403	-1.403	0	%100
108	MP4B	Z	-2.429	-2.429	0	%100
109	MP2B	X	-1.403	-1.403	0	%100
110	MP2B	Z	-2.429	-2.429	0	%100
111	MP1B	X	-1.403	-1.403	0	%100
112	MP1B	Z	-2.429	-2.429	0	%100
113	M117	X	-1.052	-1.052	0	%100
114	M117	Z	-1.822	-1.822	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,%]
115	OVP	X	-1.151	-1.151	0	%100
116	OVP	Z	-1.994	-1.994	0	%100
117	M126	X	-1.072	-1.072	0	%100
118	M126	Z	-1.858	-1.858	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	-1.072	-1.072	0	%100
122	M128	Z	-1.858	-1.858	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	-.753	-.753	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.647	-.647	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-.511	-.511	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-.511	-.511	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-.511	-.511	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-.511	-.511	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-.647	-.647	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-1.29	-1.29	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-.179	-.179	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-.179	-.179	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-.329	-.329	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-.346	-.346	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-.329	-.329	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-.346	-.346	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-.573	-.573	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-.162	-.162	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-.162	-.162	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-.323	-.323	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-.179	-.179	0	%100
45	M59A	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,%]
46	M59A	Z	-.717	-.717	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-.968	-.968	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-.329	-.329	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-.346	-.346	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-.968	-.968	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-1.314	-1.314	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	-1.384	-1.384	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-.573	-.573	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-.162	-.162	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-.162	-.162	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-.323	-.323	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-.717	-.717	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-.179	-.179	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-.968	-.968	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-1.314	-1.314	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-1.384	-1.384	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-.968	-.968	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-.329	-.329	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-.346	-.346	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-.188	-.188	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-.188	-.188	0	%100
87	M100	X	0	0	0	%100
88	M100	Z	-.821	-.821	0	%100
89	M101	X	0	0	0	%100
90	M101	Z	-.802	-.802	0	%100
91	M102	X	0	0	0	%100
92	M102	Z	-.802	-.802	0	%100
93	M103	X	0	0	0	%100
94	M103	Z	-.511	-.511	0	%100
95	MP3C	X	0	0	0	%100
96	MP3C	Z	-.511	-.511	0	%100
97	MP4C	X	0	0	0	%100
98	MP4C	Z	-.511	-.511	0	%100
99	MP2C	X	0	0	0	%100
100	MP2C	Z	-.511	-.511	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	-.511	-.511	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,%]
103	M102A	X	0	0	0	%100
104	M102A	Z	-.128	-.128	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	-.511	-.511	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	-.511	-.511	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	-.511	-.511	0	%100
111	MP1B	X	0	0	0	%100
112	MP1B	Z	-.511	-.511	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	-.128	-.128	0	%100
115	OVP	X	0	0	0	%100
116	OVP	Z	-.418	-.418	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	-.176	-.176	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	-.176	-.176	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	-.703	-.703	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	.282	.282	0	%100
2	M1	Z	-.489	-.489	0	%100
3	M4	X	.096	.096	0	%100
4	M4	Z	-.166	-.166	0	%100
5	M10	X	.243	.243	0	%100
6	M10	Z	-.42	-.42	0	%100
7	MP3A	X	.255	.255	0	%100
8	MP3A	Z	-.442	-.442	0	%100
9	MP4A	X	.255	.255	0	%100
10	MP4A	Z	-.442	-.442	0	%100
11	MP2A	X	.255	.255	0	%100
12	MP2A	Z	-.442	-.442	0	%100
13	MP1A	X	.255	.255	0	%100
14	MP1A	Z	-.442	-.442	0	%100
15	M43	X	.243	.243	0	%100
16	M43	Z	-.42	-.42	0	%100
17	M46	X	.484	.484	0	%100
18	M46	Z	-.838	-.838	0	%100
19	M51B	X	.269	.269	0	%100
20	M51B	Z	-.465	-.465	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.161	.161	0	%100
24	M76	Z	-.279	-.279	0	%100
25	M77	X	.493	.493	0	%100
26	M77	Z	-.854	-.854	0	%100
27	M80	X	.519	.519	0	%100
28	M80	Z	-.899	-.899	0	%100
29	M84	X	.161	.161	0	%100
30	M84	Z	-.279	-.279	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M91	Z	0	0	0	%100
35	M52A	X	.096	.096	0	%100
36	M52A	Z	-.166	-.166	0	%100
37	M53	X	.243	.243	0	%100
38	M53	Z	-.42	-.42	0	%100
39	M54	X	.243	.243	0	%100
40	M54	Z	-.42	-.42	0	%100
41	M55	X	.484	.484	0	%100
42	M55	Z	-.838	-.838	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	.269	.269	0	%100
46	M59A	Z	-.465	-.465	0	%100
47	M63	X	.161	.161	0	%100
48	M63	Z	-.279	-.279	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.161	.161	0	%100
54	M68	Z	-.279	-.279	0	%100
55	M69	X	.493	.493	0	%100
56	M69	Z	-.854	-.854	0	%100
57	M71	X	.519	.519	0	%100
58	M71	Z	-.899	-.899	0	%100
59	M76A	X	.382	.382	0	%100
60	M76A	Z	-.662	-.662	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	.269	.269	0	%100
68	M82	Z	-.465	-.465	0	%100
69	M83A	X	.269	.269	0	%100
70	M83A	Z	-.465	-.465	0	%100
71	M87	X	.645	.645	0	%100
72	M87	Z	-1.117	-1.117	0	%100
73	M88A	X	.493	.493	0	%100
74	M88A	Z	-.854	-.854	0	%100
75	M90	X	.519	.519	0	%100
76	M90	Z	-.899	-.899	0	%100
77	M92A	X	.645	.645	0	%100
78	M92A	Z	-1.117	-1.117	0	%100
79	M93	X	.493	.493	0	%100
80	M93	Z	-.854	-.854	0	%100
81	M95	X	.519	.519	0	%100
82	M95	Z	-.899	-.899	0	%100
83	M82A	X	.282	.282	0	%100
84	M82A	Z	-.489	-.489	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	M100	X	.407	.407	0	%100
88	M100	Z	-.706	-.706	0	%100
89	M101	X	.407	.407	0	%100
90	M101	Z	-.706	-.706	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,%]
91	M102	X	.398	.398	0	%100
92	M102	Z	-.689	-.689	0	%100
93	M103	X	.192	.192	0	%100
94	M103	Z	-.332	-.332	0	%100
95	MP3C	X	.255	.255	0	%100
96	MP3C	Z	-.442	-.442	0	%100
97	MP4C	X	.255	.255	0	%100
98	MP4C	Z	-.442	-.442	0	%100
99	MP2C	X	.255	.255	0	%100
100	MP2C	Z	-.442	-.442	0	%100
101	MP1C	X	.255	.255	0	%100
102	MP1C	Z	-.442	-.442	0	%100
103	M102A	X	.192	.192	0	%100
104	M102A	Z	-.332	-.332	0	%100
105	MP3B	X	.255	.255	0	%100
106	MP3B	Z	-.442	-.442	0	%100
107	MP4B	X	.255	.255	0	%100
108	MP4B	Z	-.442	-.442	0	%100
109	MP2B	X	.255	.255	0	%100
110	MP2B	Z	-.442	-.442	0	%100
111	MP1B	X	.255	.255	0	%100
112	MP1B	Z	-.442	-.442	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
115	OVP	X	.209	.209	0	%100
116	OVP	Z	-.362	-.362	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	.264	.264	0	%100
120	M127	Z	-.456	-.456	0	%100
121	M128	X	.264	.264	0	%100
122	M128	Z	-.456	-.456	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	.163	.163	0	%100
2	M1	Z	-.094	-.094	0	%100
3	M4	X	.497	.497	0	%100
4	M4	Z	-.287	-.287	0	%100
5	M10	X	.14	.14	0	%100
6	M10	Z	-.081	-.081	0	%100
7	MP3A	X	.442	.442	0	%100
8	MP3A	Z	-.255	-.255	0	%100
9	MP4A	X	.442	.442	0	%100
10	MP4A	Z	-.255	-.255	0	%100
11	MP2A	X	.442	.442	0	%100
12	MP2A	Z	-.255	-.255	0	%100
13	MP1A	X	.442	.442	0	%100
14	MP1A	Z	-.255	-.255	0	%100
15	M43	X	.14	.14	0	%100
16	M43	Z	-.081	-.081	0	%100
17	M46	X	.279	.279	0	%100
18	M46	Z	-.161	-.161	0	%100
19	M51B	X	.621	.621	0	%100
20	M51B	Z	-.358	-.358	0	%100
21	M52B	X	.155	.155	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,%]
22	M52B	Z	-.09	-.09	0	%100
23	M76	X	.838	.838	0	%100
24	M76	Z	-.484	-.484	0	%100
25	M77	X	1.138	1.138	0	%100
26	M77	Z	-.657	-.657	0	%100
27	M80	X	1.199	1.199	0	%100
28	M80	Z	-.692	-.692	0	%100
29	M84	X	.838	.838	0	%100
30	M84	Z	-.484	-.484	0	%100
31	M85	X	.285	.285	0	%100
32	M85	Z	-.164	-.164	0	%100
33	M91	X	.3	.3	0	%100
34	M91	Z	-.173	-.173	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	.56	.56	0	%100
38	M53	Z	-.323	-.323	0	%100
39	M54	X	.56	.56	0	%100
40	M54	Z	-.323	-.323	0	%100
41	M55	X	1.117	1.117	0	%100
42	M55	Z	-.645	-.645	0	%100
43	M58A	X	.155	.155	0	%100
44	M58A	Z	-.09	-.09	0	%100
45	M59A	X	.155	.155	0	%100
46	M59A	Z	-.09	-.09	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	.285	.285	0	%100
50	M64	Z	-.164	-.164	0	%100
51	M66	X	.3	.3	0	%100
52	M66	Z	-.173	-.173	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	.285	.285	0	%100
56	M69	Z	-.164	-.164	0	%100
57	M71	X	.3	.3	0	%100
58	M71	Z	-.173	-.173	0	%100
59	M76A	X	.497	.497	0	%100
60	M76A	Z	-.287	-.287	0	%100
61	M77A	X	.14	.14	0	%100
62	M77A	Z	-.081	-.081	0	%100
63	M78	X	.14	.14	0	%100
64	M78	Z	-.081	-.081	0	%100
65	M79A	X	.279	.279	0	%100
66	M79A	Z	-.161	-.161	0	%100
67	M82	X	.155	.155	0	%100
68	M82	Z	-.09	-.09	0	%100
69	M83A	X	.621	.621	0	%100
70	M83A	Z	-.358	-.358	0	%100
71	M87	X	.838	.838	0	%100
72	M87	Z	-.484	-.484	0	%100
73	M88A	X	.285	.285	0	%100
74	M88A	Z	-.164	-.164	0	%100
75	M90	X	.3	.3	0	%100
76	M90	Z	-.173	-.173	0	%100
77	M92A	X	.838	.838	0	%100
78	M92A	Z	-.484	-.484	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,%]
79	M93	X	1.138	1.138	0	%100
80	M93	Z	-.657	-.657	0	%100
81	M95	X	1.199	1.199	0	%100
82	M95	Z	-.692	-.692	0	%100
83	M82A	X	.652	.652	0	%100
84	M82A	Z	-.376	-.376	0	%100
85	M91B	X	.163	.163	0	%100
86	M91B	Z	-.094	-.094	0	%100
87	M100	X	.694	.694	0	%100
88	M100	Z	-.401	-.401	0	%100
89	M101	X	.711	.711	0	%100
90	M101	Z	-.411	-.411	0	%100
91	M102	X	.694	.694	0	%100
92	M102	Z	-.401	-.401	0	%100
93	M103	X	.111	.111	0	%100
94	M103	Z	-.064	-.064	0	%100
95	MP3C	X	.442	.442	0	%100
96	MP3C	Z	-.255	-.255	0	%100
97	MP4C	X	.442	.442	0	%100
98	MP4C	Z	-.255	-.255	0	%100
99	MP2C	X	.442	.442	0	%100
100	MP2C	Z	-.255	-.255	0	%100
101	MP1C	X	.442	.442	0	%100
102	MP1C	Z	-.255	-.255	0	%100
103	M102A	X	.442	.442	0	%100
104	M102A	Z	-.255	-.255	0	%100
105	MP3B	X	.442	.442	0	%100
106	MP3B	Z	-.255	-.255	0	%100
107	MP4B	X	.442	.442	0	%100
108	MP4B	Z	-.255	-.255	0	%100
109	MP2B	X	.442	.442	0	%100
110	MP2B	Z	-.255	-.255	0	%100
111	MP1B	X	.442	.442	0	%100
112	MP1B	Z	-.255	-.255	0	%100
113	M117	X	.111	.111	0	%100
114	M117	Z	-.064	-.064	0	%100
115	OVP	X	.362	.362	0	%100
116	OVP	Z	-.209	-.209	0	%100
117	M126	X	.152	.152	0	%100
118	M126	Z	-.088	-.088	0	%100
119	M127	X	.609	.609	0	%100
120	M127	Z	-.351	-.351	0	%100
121	M128	X	.152	.152	0	%100
122	M128	Z	-.088	-.088	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.765	.765	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	.511	.511	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	.511	.511	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,%]
10	MP4A	Z	0	0	0	%100
11	MP2A	X	.511	.511	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	.511	.511	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	.537	.537	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.537	.537	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	1.29	1.29	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	.986	.986	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	1.038	1.038	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	1.29	1.29	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	.986	.986	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	1.038	1.038	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.191	.191	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	.485	.485	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	.485	.485	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	.968	.968	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	.537	.537	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	.323	.323	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	.986	.986	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	1.038	1.038	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.323	.323	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	.191	.191	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	.485	.485	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	.485	.485	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	.968	.968	0	%100
66	M79A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	.537	.537	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.323	.323	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	.323	.323	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	.986	.986	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	1.038	1.038	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	.565	.565	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	.565	.565	0	%100
86	M91B	Z	0	0	0	%100
87	M100	X	.795	.795	0	%100
88	M100	Z	0	0	0	%100
89	M101	X	.815	.815	0	%100
90	M101	Z	0	0	0	%100
91	M102	X	.815	.815	0	%100
92	M102	Z	0	0	0	%100
93	M103	X	0	0	0	%100
94	M103	Z	0	0	0	%100
95	MP3C	X	.511	.511	0	%100
96	MP3C	Z	0	0	0	%100
97	MP4C	X	.511	.511	0	%100
98	MP4C	Z	0	0	0	%100
99	MP2C	X	.511	.511	0	%100
100	MP2C	Z	0	0	0	%100
101	MP1C	X	.511	.511	0	%100
102	MP1C	Z	0	0	0	%100
103	M102A	X	.383	.383	0	%100
104	M102A	Z	0	0	0	%100
105	MP3B	X	.511	.511	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	.511	.511	0	%100
108	MP4B	Z	0	0	0	%100
109	MP2B	X	.511	.511	0	%100
110	MP2B	Z	0	0	0	%100
111	MP1B	X	.511	.511	0	%100
112	MP1B	Z	0	0	0	%100
113	M117	X	.383	.383	0	%100
114	M117	Z	0	0	0	%100
115	OVP	X	.418	.418	0	%100
116	OVP	Z	0	0	0	%100
117	M126	X	.527	.527	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	.527	.527	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	0	0	0	%100
122	M128	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	.163	.163	0	%100
2	M1	Z	.094	.094	0	%100
3	M4	X	.497	.497	0	%100
4	M4	Z	.287	.287	0	%100
5	M10	X	.14	.14	0	%100
6	M10	Z	.081	.081	0	%100
7	MP3A	X	.442	.442	0	%100
8	MP3A	Z	.255	.255	0	%100
9	MP4A	X	.442	.442	0	%100
10	MP4A	Z	.255	.255	0	%100
11	MP2A	X	.442	.442	0	%100
12	MP2A	Z	.255	.255	0	%100
13	MP1A	X	.442	.442	0	%100
14	MP1A	Z	.255	.255	0	%100
15	M43	X	.14	.14	0	%100
16	M43	Z	.081	.081	0	%100
17	M46	X	.279	.279	0	%100
18	M46	Z	.161	.161	0	%100
19	M51B	X	.155	.155	0	%100
20	M51B	Z	.09	.09	0	%100
21	M52B	X	.621	.621	0	%100
22	M52B	Z	.358	.358	0	%100
23	M76	X	.838	.838	0	%100
24	M76	Z	.484	.484	0	%100
25	M77	X	.285	.285	0	%100
26	M77	Z	.164	.164	0	%100
27	M80	X	.3	.3	0	%100
28	M80	Z	.173	.173	0	%100
29	M84	X	.838	.838	0	%100
30	M84	Z	.484	.484	0	%100
31	M85	X	1.138	1.138	0	%100
32	M85	Z	.657	.657	0	%100
33	M91	X	1.199	1.199	0	%100
34	M91	Z	.692	.692	0	%100
35	M52A	X	.497	.497	0	%100
36	M52A	Z	.287	.287	0	%100
37	M53	X	.14	.14	0	%100
38	M53	Z	.081	.081	0	%100
39	M54	X	.14	.14	0	%100
40	M54	Z	.081	.081	0	%100
41	M55	X	.279	.279	0	%100
42	M55	Z	.161	.161	0	%100
43	M58A	X	.621	.621	0	%100
44	M58A	Z	.358	.358	0	%100
45	M59A	X	.155	.155	0	%100
46	M59A	Z	.09	.09	0	%100
47	M63	X	.838	.838	0	%100
48	M63	Z	.484	.484	0	%100
49	M64	X	1.138	1.138	0	%100
50	M64	Z	.657	.657	0	%100
51	M66	X	1.199	1.199	0	%100
52	M66	Z	.692	.692	0	%100
53	M68	X	.838	.838	0	%100
54	M68	Z	.484	.484	0	%100
55	M69	X	.285	.285	0	%100
56	M69	Z	.164	.164	0	%100
57	M71	X	.3	.3	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,%]
58	M71	Z	.173	.173	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	.56	.56	0	%100
62	M77A	Z	.323	.323	0	%100
63	M78	X	.56	.56	0	%100
64	M78	Z	.323	.323	0	%100
65	M79A	X	1.117	1.117	0	%100
66	M79A	Z	.645	.645	0	%100
67	M82	X	.155	.155	0	%100
68	M82	Z	.09	.09	0	%100
69	M83A	X	.155	.155	0	%100
70	M83A	Z	.09	.09	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	.285	.285	0	%100
74	M88A	Z	.164	.164	0	%100
75	M90	X	.3	.3	0	%100
76	M90	Z	.173	.173	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	.285	.285	0	%100
80	M93	Z	.164	.164	0	%100
81	M95	X	.3	.3	0	%100
82	M95	Z	.173	.173	0	%100
83	M82A	X	.163	.163	0	%100
84	M82A	Z	.094	.094	0	%100
85	M91B	X	.652	.652	0	%100
86	M91B	Z	.376	.376	0	%100
87	M100	X	.694	.694	0	%100
88	M100	Z	.401	.401	0	%100
89	M101	X	.694	.694	0	%100
90	M101	Z	.401	.401	0	%100
91	M102	X	.711	.711	0	%100
92	M102	Z	.411	.411	0	%100
93	M103	X	.111	.111	0	%100
94	M103	Z	.064	.064	0	%100
95	MP3C	X	.442	.442	0	%100
96	MP3C	Z	.255	.255	0	%100
97	MP4C	X	.442	.442	0	%100
98	MP4C	Z	.255	.255	0	%100
99	MP2C	X	.442	.442	0	%100
100	MP2C	Z	.255	.255	0	%100
101	MP1C	X	.442	.442	0	%100
102	MP1C	Z	.255	.255	0	%100
103	M102A	X	.111	.111	0	%100
104	M102A	Z	.064	.064	0	%100
105	MP3B	X	.442	.442	0	%100
106	MP3B	Z	.255	.255	0	%100
107	MP4B	X	.442	.442	0	%100
108	MP4B	Z	.255	.255	0	%100
109	MP2B	X	.442	.442	0	%100
110	MP2B	Z	.255	.255	0	%100
111	MP1B	X	.442	.442	0	%100
112	MP1B	Z	.255	.255	0	%100
113	M117	X	.442	.442	0	%100
114	M117	Z	.255	.255	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,%]
115	OVP	X	.362	.362	0	%100
116	OVP	Z	.209	.209	0	%100
117	M126	X	.609	.609	0	%100
118	M126	Z	.351	.351	0	%100
119	M127	X	.152	.152	0	%100
120	M127	Z	.088	.088	0	%100
121	M128	X	.152	.152	0	%100
122	M128	Z	.088	.088	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	.282	.282	0	%100
2	M1	Z	.489	.489	0	%100
3	M4	X	.096	.096	0	%100
4	M4	Z	.166	.166	0	%100
5	M10	X	.243	.243	0	%100
6	M10	Z	.42	.42	0	%100
7	MP3A	X	.255	.255	0	%100
8	MP3A	Z	.442	.442	0	%100
9	MP4A	X	.255	.255	0	%100
10	MP4A	Z	.442	.442	0	%100
11	MP2A	X	.255	.255	0	%100
12	MP2A	Z	.442	.442	0	%100
13	MP1A	X	.255	.255	0	%100
14	MP1A	Z	.442	.442	0	%100
15	M43	X	.243	.243	0	%100
16	M43	Z	.42	.42	0	%100
17	M46	X	.484	.484	0	%100
18	M46	Z	.838	.838	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.269	.269	0	%100
22	M52B	Z	.465	.465	0	%100
23	M76	X	.161	.161	0	%100
24	M76	Z	.279	.279	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.161	.161	0	%100
30	M84	Z	.279	.279	0	%100
31	M85	X	.493	.493	0	%100
32	M85	Z	.854	.854	0	%100
33	M91	X	.519	.519	0	%100
34	M91	Z	.899	.899	0	%100
35	M52A	X	.382	.382	0	%100
36	M52A	Z	.662	.662	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	.269	.269	0	%100
44	M58A	Z	.465	.465	0	%100
45	M59A	X	.269	.269	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,%]
46	M59A	Z	.465	.465	0	%100
47	M63	X	.645	.645	0	%100
48	M63	Z	1.117	1.117	0	%100
49	M64	X	.493	.493	0	%100
50	M64	Z	.854	.854	0	%100
51	M66	X	.519	.519	0	%100
52	M66	Z	.899	.899	0	%100
53	M68	X	.645	.645	0	%100
54	M68	Z	1.117	1.117	0	%100
55	M69	X	.493	.493	0	%100
56	M69	Z	.854	.854	0	%100
57	M71	X	.519	.519	0	%100
58	M71	Z	.899	.899	0	%100
59	M76A	X	.096	.096	0	%100
60	M76A	Z	.166	.166	0	%100
61	M77A	X	.243	.243	0	%100
62	M77A	Z	.42	.42	0	%100
63	M78	X	.243	.243	0	%100
64	M78	Z	.42	.42	0	%100
65	M79A	X	.484	.484	0	%100
66	M79A	Z	.838	.838	0	%100
67	M82	X	.269	.269	0	%100
68	M82	Z	.465	.465	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.161	.161	0	%100
72	M87	Z	.279	.279	0	%100
73	M88A	X	.493	.493	0	%100
74	M88A	Z	.854	.854	0	%100
75	M90	X	.519	.519	0	%100
76	M90	Z	.899	.899	0	%100
77	M92A	X	.161	.161	0	%100
78	M92A	Z	.279	.279	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	.282	.282	0	%100
86	M91B	Z	.489	.489	0	%100
87	M100	X	.407	.407	0	%100
88	M100	Z	.706	.706	0	%100
89	M101	X	.398	.398	0	%100
90	M101	Z	.689	.689	0	%100
91	M102	X	.407	.407	0	%100
92	M102	Z	.706	.706	0	%100
93	M103	X	.192	.192	0	%100
94	M103	Z	.332	.332	0	%100
95	MP3C	X	.255	.255	0	%100
96	MP3C	Z	.442	.442	0	%100
97	MP4C	X	.255	.255	0	%100
98	MP4C	Z	.442	.442	0	%100
99	MP2C	X	.255	.255	0	%100
100	MP2C	Z	.442	.442	0	%100
101	MP1C	X	.255	.255	0	%100
102	MP1C	Z	.442	.442	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,%]
103	M102A	X	0	0	0	%100
104	M102A	Z	0	0	0	%100
105	MP3B	X	.255	.255	0	%100
106	MP3B	Z	.442	.442	0	%100
107	MP4B	X	.255	.255	0	%100
108	MP4B	Z	.442	.442	0	%100
109	MP2B	X	.255	.255	0	%100
110	MP2B	Z	.442	.442	0	%100
111	MP1B	X	.255	.255	0	%100
112	MP1B	Z	.442	.442	0	%100
113	M117	X	.192	.192	0	%100
114	M117	Z	.332	.332	0	%100
115	OVP	X	.209	.209	0	%100
116	OVP	Z	.362	.362	0	%100
117	M126	X	.264	.264	0	%100
118	M126	Z	.456	.456	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	.264	.264	0	%100
122	M128	Z	.456	.456	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	.753	.753	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.647	.647	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	.511	.511	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	.511	.511	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.511	.511	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.511	.511	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	.647	.647	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	1.29	1.29	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.179	.179	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.179	.179	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	.329	.329	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	.346	.346	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	.329	.329	0	%100
33	M91	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,%]
34	M91	Z	.346	.346	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	.573	.573	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	.162	.162	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	.162	.162	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	.323	.323	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	.179	.179	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	.717	.717	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	.968	.968	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	.329	.329	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	.346	.346	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	.968	.968	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	1.314	1.314	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	1.384	1.384	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	.573	.573	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	.162	.162	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	.162	.162	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	.323	.323	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	.717	.717	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	.179	.179	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	.968	.968	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	1.314	1.314	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	1.384	1.384	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	.968	.968	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	.329	.329	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	.346	.346	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	.188	.188	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	.188	.188	0	%100
87	M100	X	0	0	0	%100
88	M100	Z	.821	.821	0	%100
89	M101	X	0	0	0	%100
90	M101	Z	.802	.802	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,%]
91	M102	X	0	0	0	%100
92	M102	Z	.802	.802	0	%100
93	M103	X	0	0	0	%100
94	M103	Z	.511	.511	0	%100
95	MP3C	X	0	0	0	%100
96	MP3C	Z	.511	.511	0	%100
97	MP4C	X	0	0	0	%100
98	MP4C	Z	.511	.511	0	%100
99	MP2C	X	0	0	0	%100
100	MP2C	Z	.511	.511	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	.511	.511	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	.128	.128	0	%100
105	MP3B	X	0	0	0	%100
106	MP3B	Z	.511	.511	0	%100
107	MP4B	X	0	0	0	%100
108	MP4B	Z	.511	.511	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	.511	.511	0	%100
111	MP1B	X	0	0	0	%100
112	MP1B	Z	.511	.511	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	.128	.128	0	%100
115	OVP	X	0	0	0	%100
116	OVP	Z	.418	.418	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	.176	.176	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	.176	.176	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	.703	.703	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	-.282	-.282	0	%100
2	M1	Z	.489	.489	0	%100
3	M4	X	-.096	-.096	0	%100
4	M4	Z	.166	.166	0	%100
5	M10	X	-.243	-.243	0	%100
6	M10	Z	.42	.42	0	%100
7	MP3A	X	-.255	-.255	0	%100
8	MP3A	Z	.442	.442	0	%100
9	MP4A	X	-.255	-.255	0	%100
10	MP4A	Z	.442	.442	0	%100
11	MP2A	X	-.255	-.255	0	%100
12	MP2A	Z	.442	.442	0	%100
13	MP1A	X	-.255	-.255	0	%100
14	MP1A	Z	.442	.442	0	%100
15	M43	X	-.243	-.243	0	%100
16	M43	Z	.42	.42	0	%100
17	M46	X	-.484	-.484	0	%100
18	M46	Z	.838	.838	0	%100
19	M51B	X	-.269	-.269	0	%100
20	M51B	Z	.465	.465	0	%100
21	M52B	X	0	0	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,%]
22	M52B	Z	0	0	0	%100
23	M76	X	-.161	-.161	0	%100
24	M76	Z	.279	.279	0	%100
25	M77	X	-.493	-.493	0	%100
26	M77	Z	.854	.854	0	%100
27	M80	X	-.519	-.519	0	%100
28	M80	Z	.899	.899	0	%100
29	M84	X	-.161	-.161	0	%100
30	M84	Z	.279	.279	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.096	-.096	0	%100
36	M52A	Z	.166	.166	0	%100
37	M53	X	-.243	-.243	0	%100
38	M53	Z	.42	.42	0	%100
39	M54	X	-.243	-.243	0	%100
40	M54	Z	.42	.42	0	%100
41	M55	X	-.484	-.484	0	%100
42	M55	Z	.838	.838	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-.269	-.269	0	%100
46	M59A	Z	.465	.465	0	%100
47	M63	X	-.161	-.161	0	%100
48	M63	Z	.279	.279	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-.161	-.161	0	%100
54	M68	Z	.279	.279	0	%100
55	M69	X	-.493	-.493	0	%100
56	M69	Z	.854	.854	0	%100
57	M71	X	-.519	-.519	0	%100
58	M71	Z	.899	.899	0	%100
59	M76A	X	-.382	-.382	0	%100
60	M76A	Z	.662	.662	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-.269	-.269	0	%100
68	M82	Z	.465	.465	0	%100
69	M83A	X	-.269	-.269	0	%100
70	M83A	Z	.465	.465	0	%100
71	M87	X	-.645	-.645	0	%100
72	M87	Z	1.117	1.117	0	%100
73	M88A	X	-.493	-.493	0	%100
74	M88A	Z	.854	.854	0	%100
75	M90	X	-.519	-.519	0	%100
76	M90	Z	.899	.899	0	%100
77	M92A	X	-.645	-.645	0	%100
78	M92A	Z	1.117	1.117	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,%]
79	M93	X	-.493	-.493	0	%100
80	M93	Z	.854	.854	0	%100
81	M95	X	-.519	-.519	0	%100
82	M95	Z	.899	.899	0	%100
83	M82A	X	-.282	-.282	0	%100
84	M82A	Z	.489	.489	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	M100	X	-.407	-.407	0	%100
88	M100	Z	.706	.706	0	%100
89	M101	X	-.407	-.407	0	%100
90	M101	Z	.706	.706	0	%100
91	M102	X	-.398	-.398	0	%100
92	M102	Z	.689	.689	0	%100
93	M103	X	-.192	-.192	0	%100
94	M103	Z	.332	.332	0	%100
95	MP3C	X	-.255	-.255	0	%100
96	MP3C	Z	.442	.442	0	%100
97	MP4C	X	-.255	-.255	0	%100
98	MP4C	Z	.442	.442	0	%100
99	MP2C	X	-.255	-.255	0	%100
100	MP2C	Z	.442	.442	0	%100
101	MP1C	X	-.255	-.255	0	%100
102	MP1C	Z	.442	.442	0	%100
103	M102A	X	-.192	-.192	0	%100
104	M102A	Z	.332	.332	0	%100
105	MP3B	X	-.255	-.255	0	%100
106	MP3B	Z	.442	.442	0	%100
107	MP4B	X	-.255	-.255	0	%100
108	MP4B	Z	.442	.442	0	%100
109	MP2B	X	-.255	-.255	0	%100
110	MP2B	Z	.442	.442	0	%100
111	MP1B	X	-.255	-.255	0	%100
112	MP1B	Z	.442	.442	0	%100
113	M117	X	0	0	0	%100
114	M117	Z	0	0	0	%100
115	OVP	X	-.209	-.209	0	%100
116	OVP	Z	.362	.362	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	-.264	-.264	0	%100
120	M127	Z	.456	.456	0	%100
121	M128	X	-.264	-.264	0	%100
122	M128	Z	.456	.456	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	-.163	-.163	0	%100
2	M1	Z	.094	.094	0	%100
3	M4	X	-.497	-.497	0	%100
4	M4	Z	.287	.287	0	%100
5	M10	X	-.14	-.14	0	%100
6	M10	Z	.081	.081	0	%100
7	MP3A	X	-.442	-.442	0	%100
8	MP3A	Z	.255	.255	0	%100
9	MP4A	X	-.442	-.442	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,%]
10	MP4A	Z	.255	.255	0	%100
11	MP2A	X	-.442	-.442	0	%100
12	MP2A	Z	.255	.255	0	%100
13	MP1A	X	-.442	-.442	0	%100
14	MP1A	Z	.255	.255	0	%100
15	M43	X	-.14	-.14	0	%100
16	M43	Z	.081	.081	0	%100
17	M46	X	-.279	-.279	0	%100
18	M46	Z	.161	.161	0	%100
19	M51B	X	-.621	-.621	0	%100
20	M51B	Z	.358	.358	0	%100
21	M52B	X	-.155	-.155	0	%100
22	M52B	Z	.09	.09	0	%100
23	M76	X	-.838	-.838	0	%100
24	M76	Z	.484	.484	0	%100
25	M77	X	-1.138	-1.138	0	%100
26	M77	Z	.657	.657	0	%100
27	M80	X	-1.199	-1.199	0	%100
28	M80	Z	.692	.692	0	%100
29	M84	X	-.838	-.838	0	%100
30	M84	Z	.484	.484	0	%100
31	M85	X	-.285	-.285	0	%100
32	M85	Z	.164	.164	0	%100
33	M91	X	-.3	-.3	0	%100
34	M91	Z	.173	.173	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-.56	-.56	0	%100
38	M53	Z	.323	.323	0	%100
39	M54	X	-.56	-.56	0	%100
40	M54	Z	.323	.323	0	%100
41	M55	X	-1.117	-1.117	0	%100
42	M55	Z	.645	.645	0	%100
43	M58A	X	-.155	-.155	0	%100
44	M58A	Z	.09	.09	0	%100
45	M59A	X	-.155	-.155	0	%100
46	M59A	Z	.09	.09	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-.285	-.285	0	%100
50	M64	Z	.164	.164	0	%100
51	M66	X	-.3	-.3	0	%100
52	M66	Z	.173	.173	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-.285	-.285	0	%100
56	M69	Z	.164	.164	0	%100
57	M71	X	-.3	-.3	0	%100
58	M71	Z	.173	.173	0	%100
59	M76A	X	-.497	-.497	0	%100
60	M76A	Z	.287	.287	0	%100
61	M77A	X	-.14	-.14	0	%100
62	M77A	Z	.081	.081	0	%100
63	M78	X	-.14	-.14	0	%100
64	M78	Z	.081	.081	0	%100
65	M79A	X	-.279	-.279	0	%100
66	M79A	Z	.161	.161	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,%]
67	M82	X	-.155	-.155	0	%100
68	M82	Z	.09	.09	0	%100
69	M83A	X	-.621	-.621	0	%100
70	M83A	Z	.358	.358	0	%100
71	M87	X	-.838	-.838	0	%100
72	M87	Z	.484	.484	0	%100
73	M88A	X	-.285	-.285	0	%100
74	M88A	Z	.164	.164	0	%100
75	M90	X	-.3	-.3	0	%100
76	M90	Z	.173	.173	0	%100
77	M92A	X	-.838	-.838	0	%100
78	M92A	Z	.484	.484	0	%100
79	M93	X	-1.138	-1.138	0	%100
80	M93	Z	.657	.657	0	%100
81	M95	X	-1.199	-1.199	0	%100
82	M95	Z	.692	.692	0	%100
83	M82A	X	-.652	-.652	0	%100
84	M82A	Z	.376	.376	0	%100
85	M91B	X	-.163	-.163	0	%100
86	M91B	Z	.094	.094	0	%100
87	M100	X	-.694	-.694	0	%100
88	M100	Z	.401	.401	0	%100
89	M101	X	-.711	-.711	0	%100
90	M101	Z	.411	.411	0	%100
91	M102	X	-.694	-.694	0	%100
92	M102	Z	.401	.401	0	%100
93	M103	X	-.111	-.111	0	%100
94	M103	Z	.064	.064	0	%100
95	MP3C	X	-.442	-.442	0	%100
96	MP3C	Z	.255	.255	0	%100
97	MP4C	X	-.442	-.442	0	%100
98	MP4C	Z	.255	.255	0	%100
99	MP2C	X	-.442	-.442	0	%100
100	MP2C	Z	.255	.255	0	%100
101	MP1C	X	-.442	-.442	0	%100
102	MP1C	Z	.255	.255	0	%100
103	M102A	X	-.442	-.442	0	%100
104	M102A	Z	.255	.255	0	%100
105	MP3B	X	-.442	-.442	0	%100
106	MP3B	Z	.255	.255	0	%100
107	MP4B	X	-.442	-.442	0	%100
108	MP4B	Z	.255	.255	0	%100
109	MP2B	X	-.442	-.442	0	%100
110	MP2B	Z	.255	.255	0	%100
111	MP1B	X	-.442	-.442	0	%100
112	MP1B	Z	.255	.255	0	%100
113	M117	X	-.111	-.111	0	%100
114	M117	Z	.064	.064	0	%100
115	OVP	X	-.362	-.362	0	%100
116	OVP	Z	.209	.209	0	%100
117	M126	X	-.152	-.152	0	%100
118	M126	Z	.088	.088	0	%100
119	M127	X	-.609	-.609	0	%100
120	M127	Z	.351	.351	0	%100
121	M128	X	-.152	-.152	0	%100
122	M128	Z	.088	.088	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.765	-.765	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-.511	-.511	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-.511	-.511	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-.511	-.511	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.511	-.511	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-.537	-.537	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.537	-.537	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-1.29	-1.29	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-.986	-.986	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-1.038	-1.038	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-1.29	-1.29	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-.986	-.986	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-1.038	-1.038	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.191	-.191	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-.485	-.485	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-.485	-.485	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-.968	-.968	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-.537	-.537	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-.323	-.323	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-.986	-.986	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-1.038	-1.038	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-.323	-.323	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100

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,%]
58	M71	Z	0	0	0	%100
59	M76A	X	-.191	-.191	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-.485	-.485	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-.485	-.485	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-.968	-.968	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-.537	-.537	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.323	-.323	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-.323	-.323	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-.986	-.986	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-1.038	-1.038	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-.565	-.565	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-.565	-.565	0	%100
86	M91B	Z	0	0	0	%100
87	M100	X	-.795	-.795	0	%100
88	M100	Z	0	0	0	%100
89	M101	X	-.815	-.815	0	%100
90	M101	Z	0	0	0	%100
91	M102	X	-.815	-.815	0	%100
92	M102	Z	0	0	0	%100
93	M103	X	0	0	0	%100
94	M103	Z	0	0	0	%100
95	MP3C	X	-.511	-.511	0	%100
96	MP3C	Z	0	0	0	%100
97	MP4C	X	-.511	-.511	0	%100
98	MP4C	Z	0	0	0	%100
99	MP2C	X	-.511	-.511	0	%100
100	MP2C	Z	0	0	0	%100
101	MP1C	X	-.511	-.511	0	%100
102	MP1C	Z	0	0	0	%100
103	M102A	X	-.383	-.383	0	%100
104	M102A	Z	0	0	0	%100
105	MP3B	X	-.511	-.511	0	%100
106	MP3B	Z	0	0	0	%100
107	MP4B	X	-.511	-.511	0	%100
108	MP4B	Z	0	0	0	%100
109	MP2B	X	-.511	-.511	0	%100
110	MP2B	Z	0	0	0	%100
111	MP1B	X	-.511	-.511	0	%100
112	MP1B	Z	0	0	0	%100
113	M117	X	-.383	-.383	0	%100
114	M117	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	OVP	X	-.418	-.418	0	%100
116	OVP	Z	0	0	0	%100
117	M126	X	-.527	-.527	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	-.527	-.527	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	0	0	0	%100
122	M128	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	-.163	-.163	0	%100
2	M1	Z	-.094	-.094	0	%100
3	M4	X	-.497	-.497	0	%100
4	M4	Z	-.287	-.287	0	%100
5	M10	X	-.14	-.14	0	%100
6	M10	Z	-.081	-.081	0	%100
7	MP3A	X	-.442	-.442	0	%100
8	MP3A	Z	-.255	-.255	0	%100
9	MP4A	X	-.442	-.442	0	%100
10	MP4A	Z	-.255	-.255	0	%100
11	MP2A	X	-.442	-.442	0	%100
12	MP2A	Z	-.255	-.255	0	%100
13	MP1A	X	-.442	-.442	0	%100
14	MP1A	Z	-.255	-.255	0	%100
15	M43	X	-.14	-.14	0	%100
16	M43	Z	-.081	-.081	0	%100
17	M46	X	-.279	-.279	0	%100
18	M46	Z	-.161	-.161	0	%100
19	M51B	X	-.155	-.155	0	%100
20	M51B	Z	-.09	-.09	0	%100
21	M52B	X	-.621	-.621	0	%100
22	M52B	Z	-.358	-.358	0	%100
23	M76	X	-.838	-.838	0	%100
24	M76	Z	-.484	-.484	0	%100
25	M77	X	-.285	-.285	0	%100
26	M77	Z	-.164	-.164	0	%100
27	M80	X	-.3	-.3	0	%100
28	M80	Z	-.173	-.173	0	%100
29	M84	X	-.838	-.838	0	%100
30	M84	Z	-.484	-.484	0	%100
31	M85	X	-1.138	-1.138	0	%100
32	M85	Z	-.657	-.657	0	%100
33	M91	X	-1.199	-1.199	0	%100
34	M91	Z	-.692	-.692	0	%100
35	M52A	X	-.497	-.497	0	%100
36	M52A	Z	-.287	-.287	0	%100
37	M53	X	-.14	-.14	0	%100
38	M53	Z	-.081	-.081	0	%100
39	M54	X	-.14	-.14	0	%100
40	M54	Z	-.081	-.081	0	%100
41	M55	X	-.279	-.279	0	%100
42	M55	Z	-.161	-.161	0	%100
43	M58A	X	-.621	-.621	0	%100
44	M58A	Z	-.358	-.358	0	%100
45	M59A	X	-.155	-.155	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,%]
46	M59A	Z	-.09	-.09	0	%100
47	M63	X	-.838	-.838	0	%100
48	M63	Z	-.484	-.484	0	%100
49	M64	X	-1.138	-1.138	0	%100
50	M64	Z	-.657	-.657	0	%100
51	M66	X	-1.199	-1.199	0	%100
52	M66	Z	-.692	-.692	0	%100
53	M68	X	-.838	-.838	0	%100
54	M68	Z	-.484	-.484	0	%100
55	M69	X	-.285	-.285	0	%100
56	M69	Z	-.164	-.164	0	%100
57	M71	X	-.3	-.3	0	%100
58	M71	Z	-.173	-.173	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-.56	-.56	0	%100
62	M77A	Z	-.323	-.323	0	%100
63	M78	X	-.56	-.56	0	%100
64	M78	Z	-.323	-.323	0	%100
65	M79A	X	-1.117	-1.117	0	%100
66	M79A	Z	-.645	-.645	0	%100
67	M82	X	-.155	-.155	0	%100
68	M82	Z	-.09	-.09	0	%100
69	M83A	X	-.155	-.155	0	%100
70	M83A	Z	-.09	-.09	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-.285	-.285	0	%100
74	M88A	Z	-.164	-.164	0	%100
75	M90	X	-.3	-.3	0	%100
76	M90	Z	-.173	-.173	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-.285	-.285	0	%100
80	M93	Z	-.164	-.164	0	%100
81	M95	X	-.3	-.3	0	%100
82	M95	Z	-.173	-.173	0	%100
83	M82A	X	-.163	-.163	0	%100
84	M82A	Z	-.094	-.094	0	%100
85	M91B	X	-.652	-.652	0	%100
86	M91B	Z	-.376	-.376	0	%100
87	M100	X	-.694	-.694	0	%100
88	M100	Z	-.401	-.401	0	%100
89	M101	X	-.694	-.694	0	%100
90	M101	Z	-.401	-.401	0	%100
91	M102	X	-.711	-.711	0	%100
92	M102	Z	-.411	-.411	0	%100
93	M103	X	-.111	-.111	0	%100
94	M103	Z	-.064	-.064	0	%100
95	MP3C	X	-.442	-.442	0	%100
96	MP3C	Z	-.255	-.255	0	%100
97	MP4C	X	-.442	-.442	0	%100
98	MP4C	Z	-.255	-.255	0	%100
99	MP2C	X	-.442	-.442	0	%100
100	MP2C	Z	-.255	-.255	0	%100
101	MP1C	X	-.442	-.442	0	%100
102	MP1C	Z	-.255	-.255	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,%]
103	M102A	X	-.111	-.111	0	%100
104	M102A	Z	-.064	-.064	0	%100
105	MP3B	X	-.442	-.442	0	%100
106	MP3B	Z	-.255	-.255	0	%100
107	MP4B	X	-.442	-.442	0	%100
108	MP4B	Z	-.255	-.255	0	%100
109	MP2B	X	-.442	-.442	0	%100
110	MP2B	Z	-.255	-.255	0	%100
111	MP1B	X	-.442	-.442	0	%100
112	MP1B	Z	-.255	-.255	0	%100
113	M117	X	-.442	-.442	0	%100
114	M117	Z	-.255	-.255	0	%100
115	OVP	X	-.362	-.362	0	%100
116	OVP	Z	-.209	-.209	0	%100
117	M126	X	-.609	-.609	0	%100
118	M126	Z	-.351	-.351	0	%100
119	M127	X	-.152	-.152	0	%100
120	M127	Z	-.088	-.088	0	%100
121	M128	X	-.152	-.152	0	%100
122	M128	Z	-.088	-.088	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	-.282	-.282	0	%100
2	M1	Z	-.489	-.489	0	%100
3	M4	X	-.096	-.096	0	%100
4	M4	Z	-.166	-.166	0	%100
5	M10	X	-.243	-.243	0	%100
6	M10	Z	-.42	-.42	0	%100
7	MP3A	X	-.255	-.255	0	%100
8	MP3A	Z	-.442	-.442	0	%100
9	MP4A	X	-.255	-.255	0	%100
10	MP4A	Z	-.442	-.442	0	%100
11	MP2A	X	-.255	-.255	0	%100
12	MP2A	Z	-.442	-.442	0	%100
13	MP1A	X	-.255	-.255	0	%100
14	MP1A	Z	-.442	-.442	0	%100
15	M43	X	-.243	-.243	0	%100
16	M43	Z	-.42	-.42	0	%100
17	M46	X	-.484	-.484	0	%100
18	M46	Z	-.838	-.838	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.269	-.269	0	%100
22	M52B	Z	-.465	-.465	0	%100
23	M76	X	-.161	-.161	0	%100
24	M76	Z	-.279	-.279	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-.161	-.161	0	%100
30	M84	Z	-.279	-.279	0	%100
31	M85	X	-.493	-.493	0	%100
32	M85	Z	-.854	-.854	0	%100
33	M91	X	-.519	-.519	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,%]
34	M91	Z	-.899	-.899	0	%100
35	M52A	X	-.382	-.382	0	%100
36	M52A	Z	-.662	-.662	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-.269	-.269	0	%100
44	M58A	Z	-.465	-.465	0	%100
45	M59A	X	-.269	-.269	0	%100
46	M59A	Z	-.465	-.465	0	%100
47	M63	X	-.645	-.645	0	%100
48	M63	Z	-1.117	-1.117	0	%100
49	M64	X	-.493	-.493	0	%100
50	M64	Z	-.854	-.854	0	%100
51	M66	X	-.519	-.519	0	%100
52	M66	Z	-.899	-.899	0	%100
53	M68	X	-.645	-.645	0	%100
54	M68	Z	-1.117	-1.117	0	%100
55	M69	X	-.493	-.493	0	%100
56	M69	Z	-.854	-.854	0	%100
57	M71	X	-.519	-.519	0	%100
58	M71	Z	-.899	-.899	0	%100
59	M76A	X	-.096	-.096	0	%100
60	M76A	Z	-.166	-.166	0	%100
61	M77A	X	-.243	-.243	0	%100
62	M77A	Z	-.42	-.42	0	%100
63	M78	X	-.243	-.243	0	%100
64	M78	Z	-.42	-.42	0	%100
65	M79A	X	-.484	-.484	0	%100
66	M79A	Z	-.838	-.838	0	%100
67	M82	X	-.269	-.269	0	%100
68	M82	Z	-.465	-.465	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.161	-.161	0	%100
72	M87	Z	-.279	-.279	0	%100
73	M88A	X	-.493	-.493	0	%100
74	M88A	Z	-.854	-.854	0	%100
75	M90	X	-.519	-.519	0	%100
76	M90	Z	-.899	-.899	0	%100
77	M92A	X	-.161	-.161	0	%100
78	M92A	Z	-.279	-.279	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-.282	-.282	0	%100
86	M91B	Z	-.489	-.489	0	%100
87	M100	X	-.407	-.407	0	%100
88	M100	Z	-.706	-.706	0	%100
89	M101	X	-.398	-.398	0	%100
90	M101	Z	-.689	-.689	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,%]
91	M102	X	-.407	-.407	0	%100
92	M102	Z	-.706	-.706	0	%100
93	M103	X	-.192	-.192	0	%100
94	M103	Z	-.332	-.332	0	%100
95	MP3C	X	-.255	-.255	0	%100
96	MP3C	Z	-.442	-.442	0	%100
97	MP4C	X	-.255	-.255	0	%100
98	MP4C	Z	-.442	-.442	0	%100
99	MP2C	X	-.255	-.255	0	%100
100	MP2C	Z	-.442	-.442	0	%100
101	MP1C	X	-.255	-.255	0	%100
102	MP1C	Z	-.442	-.442	0	%100
103	M102A	X	0	0	0	%100
104	M102A	Z	0	0	0	%100
105	MP3B	X	-.255	-.255	0	%100
106	MP3B	Z	-.442	-.442	0	%100
107	MP4B	X	-.255	-.255	0	%100
108	MP4B	Z	-.442	-.442	0	%100
109	MP2B	X	-.255	-.255	0	%100
110	MP2B	Z	-.442	-.442	0	%100
111	MP1B	X	-.255	-.255	0	%100
112	MP1B	Z	-.442	-.442	0	%100
113	M117	X	-.192	-.192	0	%100
114	M117	Z	-.332	-.332	0	%100
115	OVP	X	-.209	-.209	0	%100
116	OVP	Z	-.362	-.362	0	%100
117	M126	X	-.264	-.264	0	%100
118	M126	Z	-.456	-.456	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	-.264	-.264	0	%100
122	M128	Z	-.456	-.456	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	M58A	Y	-1.601	-4.064	0	.832
2	M58A	Y	-4.064	-6.635	.832	1.665
3	M58A	Y	-6.635	-7.874	1.665	2.497
4	M58A	Y	-7.874	-6.292	2.497	3.329
5	M58A	Y	-6.292	-3.33	3.329	4.162
6	M59A	Y	-3.336	-6.325	0	.832
7	M59A	Y	-6.325	-7.938	.832	1.665
8	M59A	Y	-7.938	-6.771	1.665	2.497
9	M59A	Y	-6.771	-4.259	2.497	3.329
10	M59A	Y	-4.259	-1.808	3.329	4.162
11	M82	Y	-1.812	-4.256	0	.832
12	M82	Y	-4.256	-6.773	.832	1.665
13	M82	Y	-6.773	-7.943	1.665	2.497
14	M82	Y	-7.943	-6.32	2.497	3.329
15	M82	Y	-6.32	-3.329	3.329	4.162
16	M83A	Y	-3.33	-6.293	0	.832
17	M83A	Y	-6.293	-7.874	.832	1.665
18	M83A	Y	-7.874	-6.636	1.665	2.497
19	M83A	Y	-6.636	-4.066	2.497	3.329
20	M83A	Y	-4.066	-1.597	3.329	4.162
21	M51B	Y	-1.601	-4.064	0	.832

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,%]
22	M51B	Y	-4.064	-6.635	.832	1.665
23	M51B	Y	-6.635	-7.874	1.665	2.497
24	M51B	Y	-7.874	-6.292	2.497	3.329
25	M51B	Y	-6.292	-3.33	3.329	4.162
26	M52B	Y	-3.336	-6.325	0	.832
27	M52B	Y	-6.325	-7.938	.832	1.665
28	M52B	Y	-7.938	-6.771	1.665	2.497
29	M52B	Y	-6.771	-4.259	2.497	3.329
30	M52B	Y	-4.259	-1.808	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M58A	Y	-3.459	-8.777	0	.832
2	M58A	Y	-8.777	-14.332	.832	1.665
3	M58A	Y	-14.332	-17.009	1.665	2.497
4	M58A	Y	-17.009	-13.59	2.497	3.329
5	M58A	Y	-13.59	-7.192	3.329	4.162
6	M59A	Y	-7.205	-13.661	0	.832
7	M59A	Y	-13.661	-17.146	.832	1.665
8	M59A	Y	-17.146	-14.624	1.665	2.497
9	M59A	Y	-14.624	-9.199	2.497	3.329
10	M59A	Y	-9.199	-3.906	3.329	4.162
11	M82	Y	-3.914	-9.193	0	.832
12	M82	Y	-9.193	-14.631	.832	1.665
13	M82	Y	-14.631	-17.156	1.665	2.497
14	M82	Y	-17.156	-13.652	2.497	3.329
15	M82	Y	-13.652	-7.19	3.329	4.162
16	M83A	Y	-7.193	-13.593	0	.832
17	M83A	Y	-13.593	-17.007	.832	1.665
18	M83A	Y	-17.007	-14.335	1.665	2.497
19	M83A	Y	-14.335	-8.782	2.497	3.329
20	M83A	Y	-8.782	-3.451	3.329	4.162
21	M51B	Y	-3.459	-8.777	0	.832
22	M51B	Y	-8.777	-14.332	.832	1.665
23	M51B	Y	-14.332	-17.009	1.665	2.497
24	M51B	Y	-17.009	-13.59	2.497	3.329
25	M51B	Y	-13.59	-7.192	3.329	4.162
26	M52B	Y	-7.205	-13.661	0	.832
27	M52B	Y	-13.661	-17.146	.832	1.665
28	M52B	Y	-17.146	-14.624	1.665	2.497
29	M52B	Y	-14.624	-9.199	2.497	3.329
30	M52B	Y	-9.199	-3.906	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

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

Member Area Loads (BLC 40 : Structure Di)

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

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	1017.375	10	1119.208	7	5089.915	1	.538	7	1.155	4	.065	26
2		min	-1011.865	4	-1348.983	1	-3543.295	7	-.502	1	-1.168	10	-.083	44
3	N87D	max	4034.779	9	841.565	3	1495.185	2	.346	8	1.178	12	.487	9
4		min	-2609.977	3	-1219.821	9	-2299.22	8	-.572	26	-1.154	6	-.445	3
5	N115	max	2568.051	11	841.344	11	1547.009	12	.354	6	1.16	8	.453	11
6		min	-3998.617	5	-1220.003	5	-2364.807	6	-.551	48	-1.171	2	-.479	5
7	N145	max	25.395	10	3407.593	1	854.235	7	0	51	0	4	0	10
8		min	-25.405	4	-1118.75	7	-2613.524	1	0	1	0	10	0	4
9	N148A	max	536.954	3	3213.042	9	1231.084	9	0	6	0	12	0	12
10		min	-2132.251	9	-817.55	3	-309.992	3	0	12	0	6	0	6
11	N151	max	2132.399	5	3213.142	5	1230.983	5	0	8	0	8	0	8
12		min	-536.846	11	-817.425	11	-309.985	11	0	2	0	2	0	2
13	Totals:	max	4740.142	10	6566.777	13	5090.566	1						
14		min	-4740.141	4	3044.469	7	-5090.565	7						

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

	Member	Shape	Code ...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M1	PIPE_3.0	.129	7.682	10	.088	1.042		6	28250.5...	65205	5.749	5.749	3....	H1-1b
2	M4	HSS4X4X4	.184	2.324	1	.072	2.324	y	2	124657....	139518	16.181	16.181	1....	H1-1b
3	M10	HSS4X4X4	.127	2.375	14	.048	.223	z	1	136263....	139518	16.181	16.181	1....	H1-1b
4	MP3A	PIPE_2.0	.450	5.5	4	.133	3.917		8	14916.0...	32130	1.872	1.872	3....	H1-1b
5	MP4A	PIPE_2.0	.301	5.5	5	.207	2.167		6	14916.0...	32130	1.872	1.872	3....	H1-1b
6	MP2A	PIPE_2.0	.444	5.5	10	.135	3.917		6	14916.0...	32130	1.872	1.872	3....	H1-1b
7	MP1A	PIPE_2.0	.285	5.5	10	.187	2.167		8	14916.0...	32130	1.872	1.872	3....	H1-1b
8	M43	HSS4X4X4	.122	0	24	.049	2.152	z	1	136263....	139518	16.181	16.181	1....	H1-1b
9	M46	PL1/2x6	.181	.516	1	.122	.516	y	4	66212.2...	97200	1.012	12.15	1....	H1-1b
10	M51B	L2x2x3	.129	4.162	1	.010	4.162	y	18	9823.122	23392.8	.558	1.078	1....	H2-1
11	M52B	L2x2x3	.139	0	1	.010	0	y	20	9823.122	23392.8	.558	1.077	1....	H2-1
12	M76	PL3/8x6	.304	0	4	.169	0	y	1	70647.0...	72900	.57	9.113	1....	H1-1b
13	M77	PL3/8x6	.237	.167	7	.236	0	y	13	71583.5...	72900	.57	9.113	1....	H1-1b
14	M80	PL1/2x6	.067	.112	1	.112	0	y	12	96761.0...	97200	1.012	12.15	1....	H1-1b
15	M84	PL3/8x6	.279	0	10	.180	0	y	1	70647.0...	72900	.57	9.113	1....	H1-1b
16	M85	PL3/8x6	.245	.167	7	.222	0	y	13	71583.5...	72900	.57	9.113	1....	H1-1b
17	M91	PL1/2x6	.066	.112	7	.131	0	y	2	96761.0...	97200	1.012	12.15	1....	H1-1b
18	M52A	HSS4X4X4	.178	2.324	9	.068	2.324	y	10	124657....	139518	16.181	16.181	1....	H1-1b
19	M53	HSS4X4X4	.129	2.375	22	.049	2.375	y	21	136263....	139518	16.181	16.181	1....	H1-1b
20	M54	HSS4X4X4	.124	0	20	.049	0	y	33	136263....	139518	16.181	16.181	1....	H1-1b
21	M55	PL1/2x6	.166	.516	9	.130	.516	y	12	66212.2...	97200	1.012	12.15	1....	H1-1b
22	M58A	L2x2x3	.126	4.162	9	.010	4.162	y	13	9823.122	23392.8	.558	1.078	1....	H2-1
23	M59A	L2x2x3	.131	0	8	.010	0	y	17	9823.122	23392.8	.558	1.088	1.2	H2-1
24	M63	PL3/8x6	.303	0	12	.170	0	y	8	70647.0...	72900	.57	9.113	1....	H1-1b
25	M64	PL3/8x6	.220	.167	3	.240	0	y	21	71583.5...	72900	.57	9.113	1....	H1-1b
26	M66	PL1/2x6	.064	.112	9	.121	0	y	7	96761.0...	97200	1.012	12.15	1....	H1-1b
27	M68	PL3/8x6	.281	0	6	.173	0	y	10	70647.0...	72900	.57	9.113	1....	H1-1b
28	M69	PL3/8x6	.233	.167	3	.235	0	y	33	71583.5...	72900	.57	9.113	1....	H1-1b
29	M71	PL1/2x6	.064	.112	9	.131	0	y	11	96761.0...	97200	1.012	12.15	1....	H1-1b
30	M76A	HSS4X4X4	.178	2.324	5	.071	2.324	y	6	124657....	139518	16.181	16.181	1....	H1-1b
31	M77A	HSS4X4X4	.130	2.375	18	.050	2.375	y	41	136263....	139518	16.181	16.181	1....	H1-1b
32	M78	HSS4X4X4	.124	0	16	.047	2.152	z	5	136263....	139518	16.181	16.181	1....	H1-1b
33	M79A	PL1/2x6	.173	.516	6	.132	.516	y	8	66212.2...	97200	1.012	12.15	1....	H1-1b
34	M82	L2x2x3	.127	4.162	6	.010	4.162	y	21	9823.122	23392.8	.558	1.088	1.2	H2-1
35	M83A	L2x2x3	.131	0	5	.009	0	y	13	9823.122	23392.8	.558	1.078	1....	H2-1
36	M87	PL3/8x6	.309	0	8	.160	0	y	5	70647.0...	72900	.57	9.113	1....	H1-1b
37	M88A	PL3/8x6	.222	.167	11	.240	0	y	41	71583.5...	72900	.57	9.113	1....	H1-1b

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

	Member	Shape	Code ...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
38	M90	PL1/2x6	.063	.112	5	.112	0	y	3	96761.0...	97200	1.012	12.15	1....	H1-1b
39	M92A	PL3/8x6	.276	0	2	.184	0	y	6	70647.0...	72900	.57	9.113	1....	H1-1b
40	M93	PL3/8x6	.226	.167	11	.226	0	y	17	71583.5...	72900	.57	9.113	1....	H1-1b
41	M95	PL1/2x6	.062	.112	11	.140	0	y	7	96761.0...	97200	1.012	12.15	1....	H1-1b
42	M82A	PIPE_3.0	.138	7.682	6	.088	1.042		2	28250.5...	65205	5.749	5.749	3....	H1-1b
43	M91B	PIPE_3.0	.134	7.682	2	.086	1.042		10	28250.5...	65205	5.749	5.749	3....	H1-1b
44	M100	LL2.5x2.5x3...	.099	0	1	.003	0	z	4	43474.6...	58320	4.643	2.55	1	H1-1b*
45	M101	LL2.5x2.5x3...	.093	0	9	.003	0	z	12	43474.6...	58320	4.643	2.55	1	H1-1b*
46	M102	LL2.5x2.5x3...	.093	0	5	.003	3.801	z	8	43474.6...	58320	4.643	2.55	1	H1-1b*
47	M103	PIPE_2.0	.331	11.328	4	.209	1.042		7	6295.422	32130	1.872	1.872	3....	H1-1b
48	MP3C	PIPE_2.0	.466	5.5	12	.133	3.917		4	14916.0...	32130	1.872	1.872	3....	H1-1b
49	MP4C	PIPE_2.0	.321	5.5	12	.204	2.167		2	14916.0...	32130	1.872	1.872	4....	H1-1b
50	MP2C	PIPE_2.0	.475	5.5	6	.136	3.917		8	14916.0...	32130	1.872	1.872	3....	H1-1b
51	MP1C	PIPE_2.0	.302	5.5	6	.183	2.167		3	14916.0...	32130	1.872	1.872	3....	H1-1b
52	M102A	PIPE_2.0	.337	1.172	6	.204	1.042		3	6295.422	32130	1.872	1.872	3....	H1-1b
53	MP3B	PIPE_2.0	.480	5.5	8	.134	3.917		6	14916.0...	32130	1.872	1.872	3....	H1-1b
54	MP4B	PIPE_2.0	.327	5.5	8	.192	5.5		10	14916.0...	32130	1.872	1.872	3....	H1-1b
55	MP2B	PIPE_2.0	.460	5.5	2	.133	3.917		10	14916.0...	32130	1.872	1.872	3....	H1-1b
56	MP1B	PIPE_2.0	.294	5.5	2	.184	2.167		6	14916.0...	32130	1.872	1.872	4....	H1-1b
57	M117	PIPE_2.0	.345	11.328	8	.204	1.042		11	6295.422	32130	1.872	1.872	3....	H1-1b
58	OVP	PIPE_2.0	.178	3	1	.018	3		1	28843.4...	32130	1.872	1.872	1	H1-1b
59	M126	L3X3X4	.332	1.228	7	.078	.141	y	8	45123.2...	46656	1.688	3.756	1....	H2-1
60	M127	L3X3X4	.315	1.228	11	.074	0	y	12	45123.2...	46656	1.688	3.756	1....	H2-1
61	M128	L3X3X4	.309	1.228	3	.071	.026	y	4	45123.2...	46656	1.688	3.756	1....	H2-1

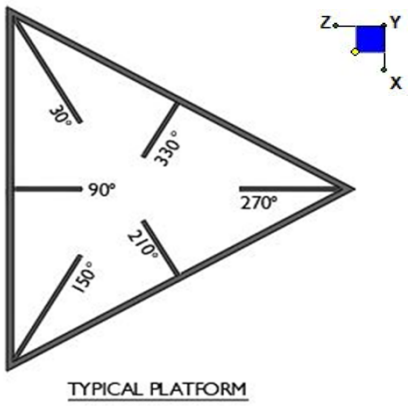
Client:	Verizon Wireless	Date:	8/26/2021
Site Name:	Westbrook North CT		
Project No.	21777991A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

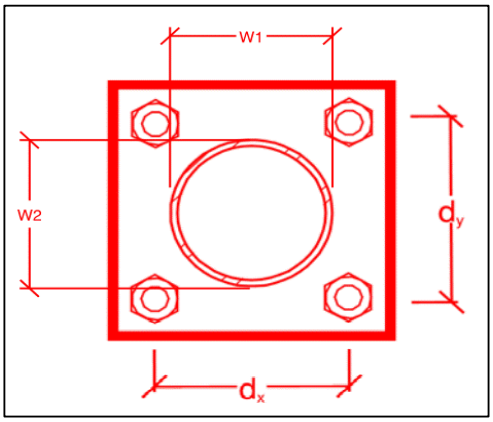
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N87	30
N3	270
N115	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	6
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	7.1
Required Shear Strength (kips):	2.7
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**8.6%***
Shear Capacity Overall:	**5.5%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	8
Plate Height (in):	8
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	6
Phi*Rn (kip/in):	8.35
Required Weld Strength (kip/in):	0.72
Plate Bending Capacity:	**10.1%**
Weld Capacity:	**8.6%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	2.5
Phi*Mn_{xx} *(kip-in)* :	36.5
Mu_{yy} *(kip-in)* :	1.1
Phi*Mn_{yy} *(kip-in)* :	36.5

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:

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: 469675-VZW - WESTBROOK NORTH CT

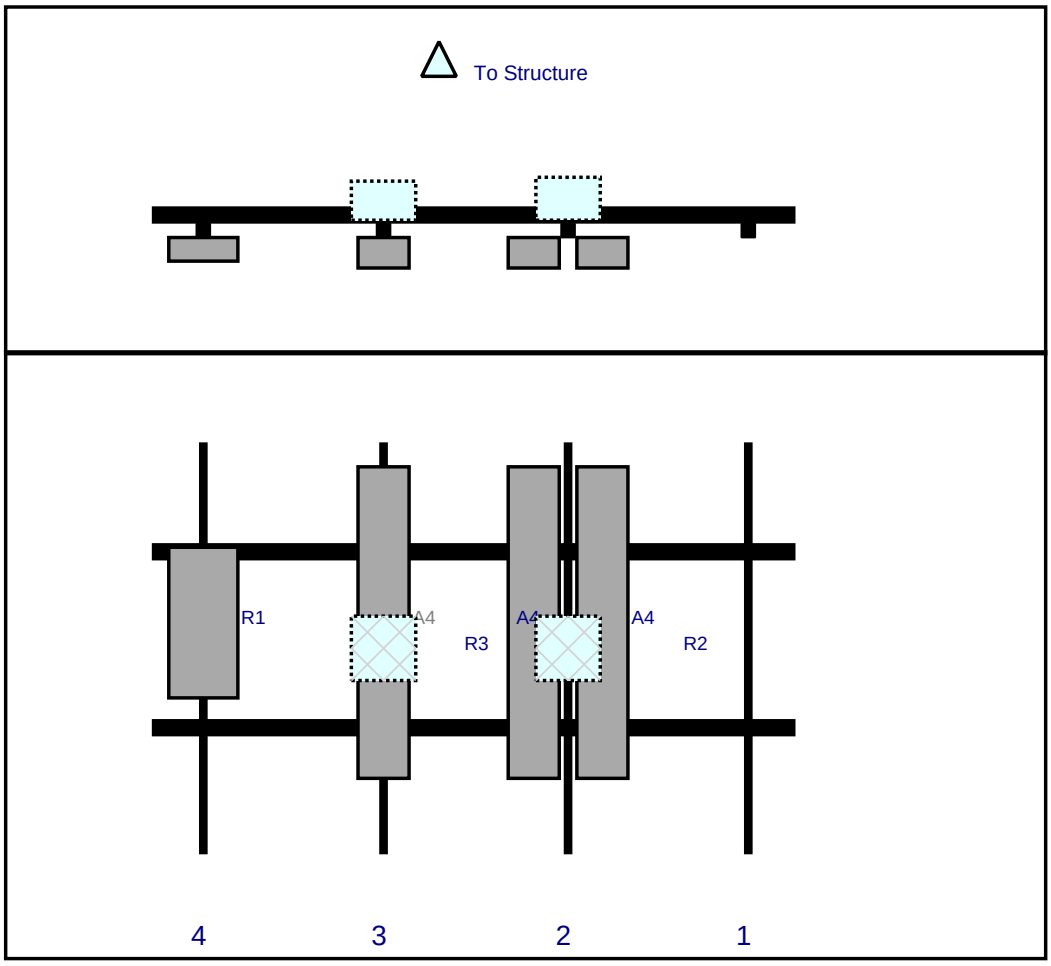
Sector: **A** 8/26/2021

Structure Type: Monopole 10071737

Mount Elev: 144.50 Page: 1

Plan View

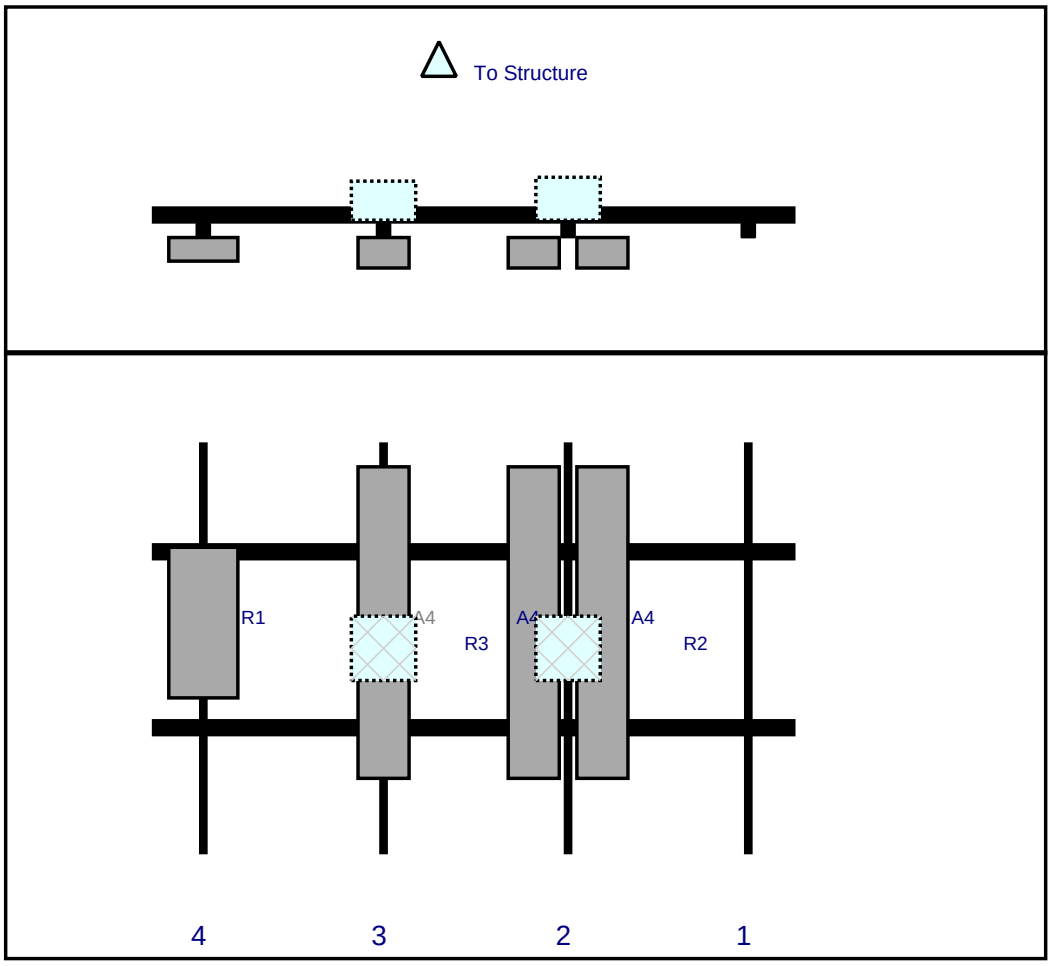
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A4	SBNHH-1D65B	72.6	11.9	97	2	a	Front	42	8	Retained	
A4	SBNHH-1D65B	72.6	11.9	97	2	b	Front	42	-8	Retained	
R2	RF4439d-25A	15	15	97	2	a	Behind	48	0	Added	
A4	SBNHH-1D65B	72.6	11.9	54	3	a	Front	42	0	Retained	
R3	RF4440d-13A	15	15	54	3	a	Behind	48	0	Added	
R1	MT6407-77A	35.1	16.1	12	4	a	Front	42	0	Added	

Plan View

Front View
Looking at Structure



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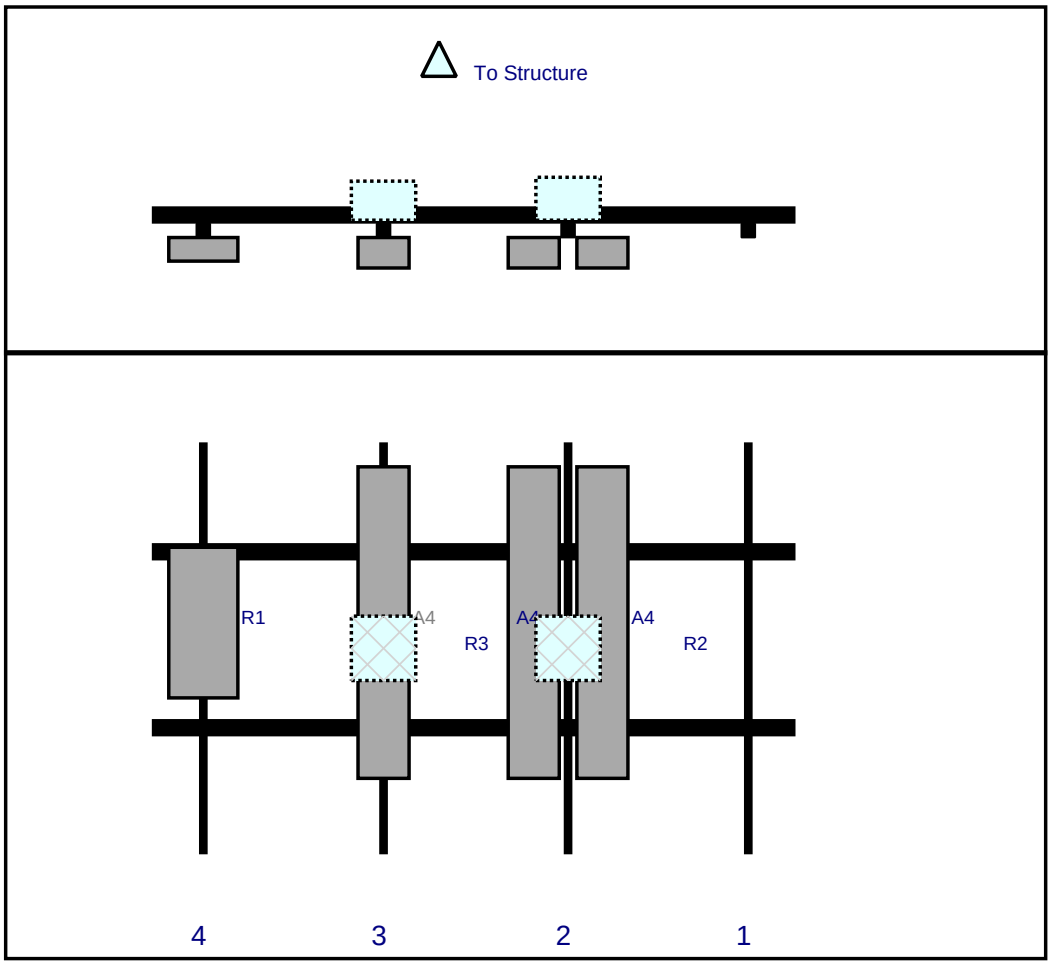
A4	SBNHH-1D65B	72.6	11.9	97	2	b	Front	42	-8	Retained	
R2	RF4439d-25A	15	15	97	2	a	Behind	48	0	Added	
A4	SBNHH-1D65B	72.6	11.9	54	3	a	Front	42	0	Retained	
R3	RF4440d-13A	15	15	54	3	a	Behind	48	0	Added	
R1	MT6407-77A	35.1	16.1	12	4	a	Front	42	0	Added	

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A4	SBNHH-1D65B	72.6	11.9	97	2	a	Front	42	8	Retained	
A4	SBNHH-1D65B	72.6	11.9	97	2	b	Front	42	-8	Retained	
R2	RF4439d-25A	15	15	97	2	a	Behind	48	0	Added	
A4	SBNHH-1D65B	72.6	11.9	54	3	a	Front	42	0	Retained	
R3	RF4440d-13A	15	15	54	3	a	Behind	48	0	Added	
R1	MT6407-77A	35.1	16.1	12	4	a	Front	42	0	Added	

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	*Site ID:*	*469675-VZW / WESTBROOK NORTH CT*
	Site Name:	*WESTBROOK NORTH CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*1102 Horse Hill Rd* *Westbrook, Connecticut 06498* *Middlesex County*
	Latitude:	*41.32377778°*
	Longitude:	*-72.49113889°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

To Whom It May Concern,

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

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

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

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

Sincerely,

Dejian Xu

Dejian Xu, PE
Technical Manager

Exhibit F

Power Density/RF Emissions Report

Site Name: ***WESTBROOK NORTH 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	713	2853	147	0.0047	0.5007	0.95%
VZW Cellular	874	4	845	3379	147	0.0056	0.5827	0.97%
VZW PCS	1975	4	1527	6106	147	0.0102	1.0000	1.02%
VZW AWS	2120	4	1617	6469	147	0.0108	1.0000	1.08%
VZW CBAND	3730.08	2	21627	43254	147	0.0720	1.0000	7.20%

Total Percentage of Maximum Permissible Exposure 11.20%

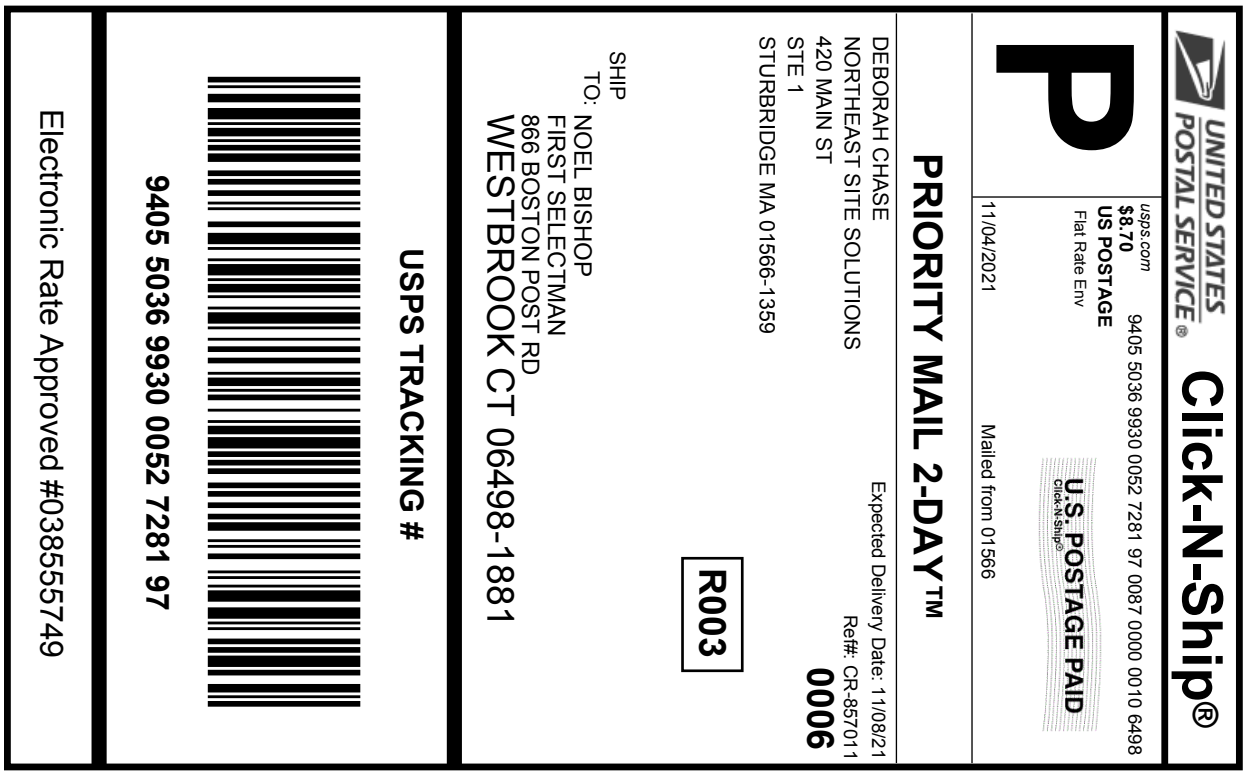
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification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

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

Absolute worst case maximum values used.

Exhibit F

Recipient Mailings



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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.**

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USPS TRACKING # :
9405 5036 9930 0052 7281 97

Trans. #:	547589527
Print Date:	11/04/2021
Ship Date:	11/04/2021
Expected Delivery Date:	11/08/2021

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-857011

To: NOEL BISHOP
FIRST SELECTMAN
866 BOSTON POST RD
WESTBROOK CT 06498-1881

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

Thank you for shipping with the United States Postal Service!
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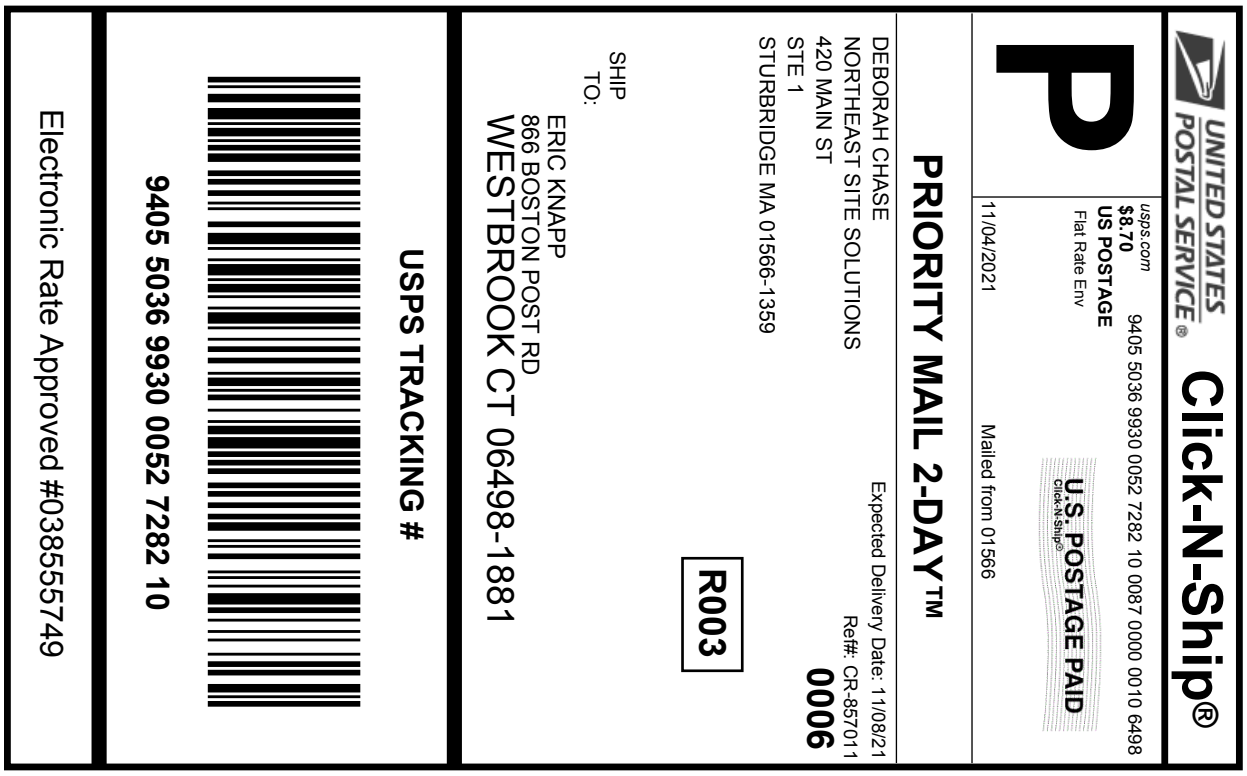

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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0052 7282 10

Trans. #:	547589527
Print Date:	11/04/2021
Ship Date:	11/04/2021
Expected Delivery Date:	11/08/2021

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-857011

To: ERIC KNAPP
866 BOSTON POST RD
WESTBROOK CT 06498-1881

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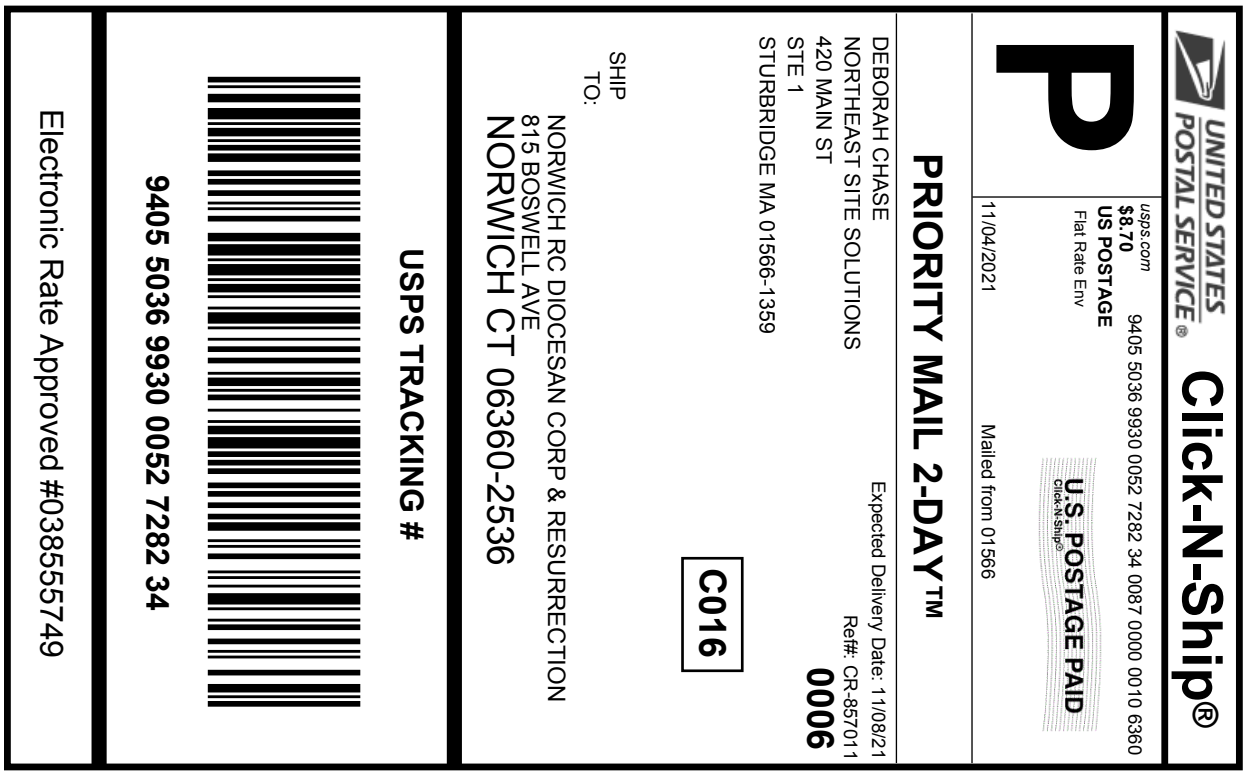

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USPS TRACKING # :
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Print Date:	11/04/2021
Ship Date:	11/04/2021
Expected Delivery Date:	11/08/2021

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-857011

To: NORWICH RC DIOCESAN CORP & RESURRECTION CEMETARY
815 BOSWELL AVE
NORWICH CT 06360-2536

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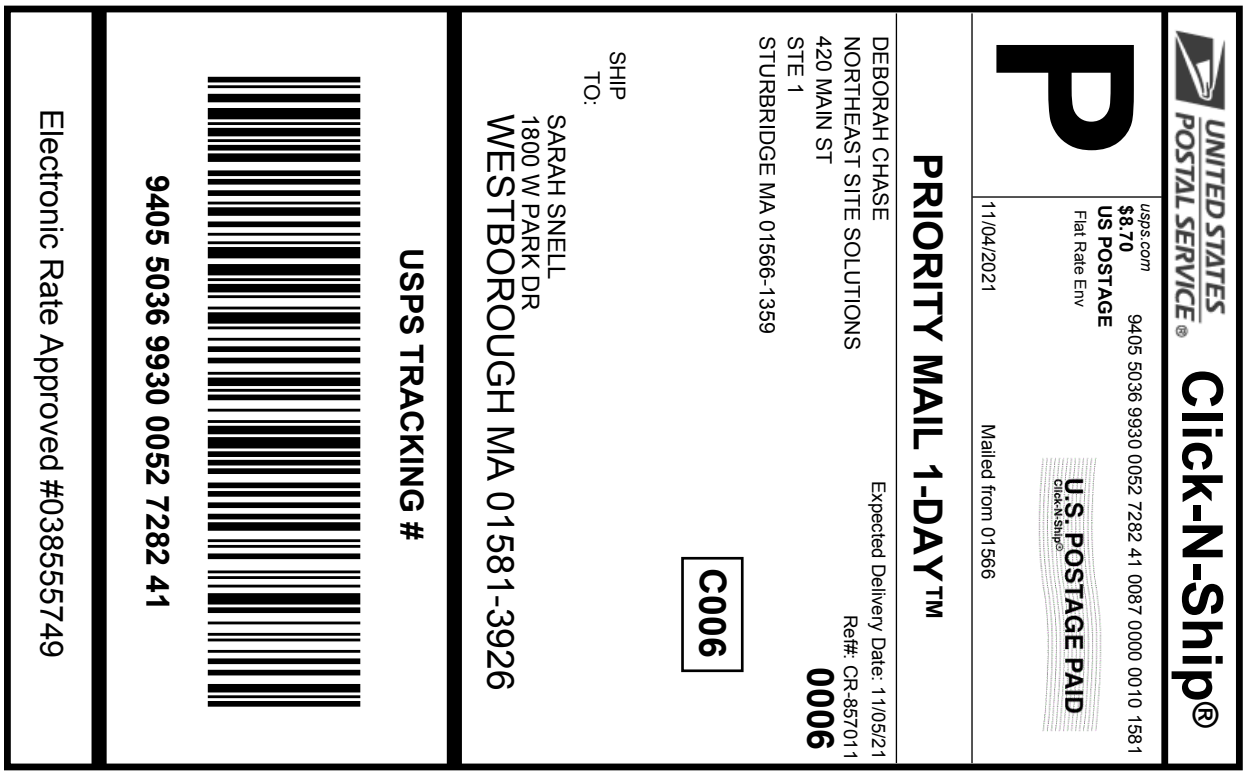

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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0052 7282 41

Trans. #:	547589527
Print Date:	11/04/2021
Ship Date:	11/04/2021
Expected Delivery Date:	11/05/2021

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-857011

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

857011

UNITED STATES POSTAL SERVICE.

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

11/04/2021 01:29 PM

Product	Qty	Unit Price	Price
Prepaid Mail Westborough, MA 01581 Weight: 0 lb 2.00 oz Acceptance Date: Thu 11/04/2021 Tracking #: 9405 5036 9930 0052 7282 41	1		$0.00
Prepaid Mail Norwich, CT 06360 Weight: 0 lb 7.10 oz Acceptance Date: Thu 11/04/2021 Tracking #: 9405 5036 9930 0052 7282 34	1		$0.00
Prepaid Mail Westbrook, CT 06498 Weight: 0 lb 7.10 oz Acceptance Date: Thu 11/04/2021 Tracking #: 9405 5036 9930 0052 7282 10	1		$0.00
Prepaid Mail Westbrook, CT 06498 Weight: 0 lb 7.10 oz Acceptance Date: Thu 11/04/2021 Tracking #: 9405 5036 9930 0052 7281 97	1		$0.00
Grand Total:			$0.00