NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

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

January 13, 2021

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

RE: Exempt Modification Application
425 Indian Ledge Park Road, Trumbull, CT 06611
Latitude: 41.273302
Longitude: -73.213094
Site #: 881535_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 425 Indian Ledge Park Road, Trumbull, CT 06611. Verizon Wireless currently maintains fifteen (15) antennas at the 155-foot level of the existing 195-foot tower. The property is owned by the Town of Trumbull and the tower is owned by Crown Castle. Verizon now intends to replace nine (9) antennas. The new antennas would be installed at the 155-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable. Antenna mount modifications will be completed as per the attached Maser mount analysis dated November 19, 2021.

Verizon Planned Modifications:

Remove:
(1) 1-1/4" Coax

Remove and Replace:
(3) COMMSCOPE Antennas (REMOVE) – (3) Samsung MT6407-77A Antennas (REPLACE)
(3) COMMSCOPE Antennas (REMOVE) – (3) JAHH-65B-R3B Antennas (REPLACE)
(3) COMMSCOPE Antennas (REMOVE) – (3) JAHH-65B-R3B Antennas (REPLACE)
(3) NOKIA B25 RRH (REMOVE) (REMOVE) - (3) Samsung RV01U-D1A RRH (REPLACE)
(3) NOKIA B66 RRH (REMOVE) (REMOVE) - (3) Samsung RV01U-D2A RRH (REPLACE)

Install New:
(3) Commscope Diplexers

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

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The facility was approved by the Town of Trumbull, however the Town has been unable to locate a copy of the approval. Please see attached.

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 Vicki Tesoro, First Selectman and Rob Librandi, Land Use Planner for the Town of Trumbull. 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: Vicki Tesoro, First Selectman & Property Owner
Trumbull Town Hall
5866 Main Street
Second Floor
Trumbull, CT 06611

Rob Librandi, Land Use Planner
Trumbull Town Hall
5866 Main Street
Second Floor
Trumbull, CT 06611

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

Hanlon, Dashanna

From: Myl, Kimberly
Sent: Friday, March 11, 2016 9:34 AM
To: siting.council@ct.gov
Subject: Existing Telecommunications Tower - 425 Indian Ledge Park Road, Trumbull (Crown: 881535 / T-Mobile CT11961A)

Good Morning,
Please be advised per the below email from the Town of Trumbull and on behalf of Crown Castle the Tower Owner, neither party have the original zoning approval on file. Please use this email notification to replace that requirement. Please let me know if you have any questions or need additional information. Thank you in advance.

KIMBERLY MYL
Real Estate Specialist
T: (201) 236-9069 | M: (201) 993-3697

CROWN CASTLE
1200 MacArthur Blvd, Suite 200
Mahwah, NJ 07430

From: Gail Andreyka [mailto:gandreyka@trumbull-ct.gov]
Sent: Tuesday, March 08, 2016 9:48 AM
To: Myl, Kimberly
Cc: Douglas Wenz
Subject: RE: Zoning Approval - Telecommunications Tower 425 Indian Ledge Park Road

Hi Kim,

We cannot locate the zoning approval. They never came to Planning & Zoning with an application as far as we know. If you have any further questions, please contact Doug Wenz 203-452-5052.

Thank you,

Gail Andreyka

From: Myl, Kimberly [mailto:Kimberly.Myl@crowncastle.com]
Sent: Monday, February 29, 2016 12:45 PM
To: Gail Andreyka
Subject: Zoning Approval - Telecommunications Tower 425 Indian Ledge Park Road

Good Afternoon Gail,
I have another existing telecommunications facility that I will need a copy of the original zoning resolution to submit into the CSC. Can you kindly forward this over to me so I can submit on behalf of T-Mobile, one of our tenants. If you do not have this document, kindly reply stating that the township does not have this on record and I can use your email in place of this requirement. Please call or email me if you have any questions or need additional information. Thank you in advance.

KIMBERLY MYL
Real Estate Specialist
T: (201) 236-9069 | M: (201) 993-3697

Exhibit B

Property Card

425 INDIAN LEDGE PARK ROAD

Location	425 INDIAN LEDGE PARK ROAD	**Mblu**	F/05 / 00096/ 000/
Acct#		**Owner**	TRUMBULL TOWN OF
Assessment	$1,320,620	**Appraisal**	$1,886,600
PID	12730	**Building Count**	1
Fire District	T		

Current Value

Appraisal	
Valuation Year	**Total**
2015	$1,886,600

Assessment	
Valuation Year	**Total**
2015	$1,320,620

Owner of Record

Owner	TRUMBULL TOWN OF	**Sale Price**	$0
Co-Owner		**Book & Page**	1/ 466
Address	5866 MAIN STREET TRUMBULL, CT 06611	**Sale Date**	06/15/1989
		Instrument	

Ownership History

Ownership History				
Owner	**Sale Price**	**Book & Page**	**Instrument**	**Sale Date**
TRUMBULL TOWN OF	$0	1/ 466		06/15/1989

Building Information

Building 1 : Section 1

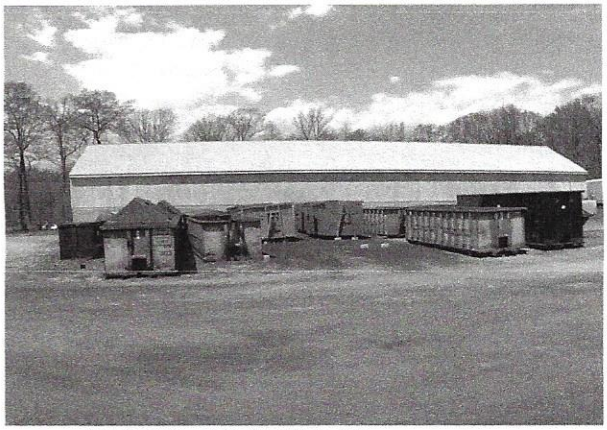
Year Built:

Living Area: 0

Building Attributes	
Field	**Description**

Style	Outbuildings
Stories:	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Floor Covering	
Alt. Floor Cover	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Total Xtra Fixtrs:	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Total Kitchens	
Total Elec Meters	

Building Photo



F05-96 05/04/2015

(http://images.vgsi.com/photos2/TrumbullCTPhotos/\00\02\19/51.JPG)

Building Layout

Building Layout

(http://images.vgsi.com/photos2/TrumbullCTPhotos//Sketches/12730_127

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	921
Description	Mun Lnd Res
Zone	AA
Neighborhood	320
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	46.5
Frontage	
Depth	

Outbuildings

Outbuildings	Legend

Code	Description	Sub Code	Sub Description	Size	Bldg #
BHS1	Comm Bth Hse	CB	CindBk/Frame	200 S.F.	1

Valuation History

Appraisal	
Valuation Year	**Total**
2019	$1,886,600
2018	$1,886,600
2017	$1,886,600

Assessment	
Valuation Year	**Total**
2019	$1,320,620
2018	$1,320,620
2017	$1,320,620

Louis St
John St
Harned Pl
Carmel Rdg
Saint Joseph's Manor
Unnamed Street
Turney Pl
Hyde Ter
Gwendolyn Dr
Calhoun Ave
Sheldon Ter
Pequonnock Valley Wildlife Area
Indian Ledge Park
Indian Ledge Park
State Hwy 25
Connecting Road
State Hwy 25
Deer Run Dr
Putting Green Rd N
Putting Green Rd
Heavenly Ln
Longmeadow Rd
Scenic Hill Rd
Par Ln
Under Cliff Rd
Putting Green Rd
Roosevelt Dr

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 467579
VERIZON SITE NAME: TRUMBULL 3 CT
VERIZON FUZE ID: 16244615
SITE TYPE: MONOPOLE
TOWER HEIGHT: 195'-0"

BUSINESS UNIT #: 881535
SITE ADDRESS: 425 INDIAN LEDGE PARK RD TRUMBULL, CT 06611
COUNTY: FAIRFIELD
JURISDICTION: TOWN OF TRUMBULL

VERIZON MODIFICATION;5G_L-SUB-PREP

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	TRUMBULL TOWER
SITE ADDRESS:	425 INDIAN LEDGE PARK RD TRUMBULL, CT 06611
COUNTY:	FAIRFIELD
MAP/PARCEL #:	F05-96
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41° 16' 23.81" (41.273281°)
LONGITUDE:	-73° 12' 47.18"(73.213106°)
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	314FT
CURRENT ZONING:	UNKNOWN
JURISDICTION:	TOWN OF TRUMBULL
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	TRUMBULL TOWN OF 5866 MAIN STREET TRUMBULL, CT 06611
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 180 WASHINGTON VALLEY ROAD BEDMINSTER, NJ 07921
ELECTRIC PROVIDER:	UNITED ILLUMINATING CO 800-722-5584
TELCO PROVIDER:	AT&T (800) 286-2000

PROJECT TEAM

A&E FIRM:	TOWER ENGINEERING PROFESSIONALS 326 TRYON ROAD RALEIGH, NC 27603 (919) 661-6351 JOSEPH T. CRESS - PROJECT MANAGER SCOTT C. BRANTLEY - CIVIL ENGINEER
CROWN CASTLE USA INC. DISTRICT CONTACTS:	6325 ARDREY KELL ROAD, SUITE 600 CHARLOTTE, NC 28277 SARA REA LOADHOLDT - A&E SPECIALIST (704) 405-6548

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	COLOR CODE MATRIX
C-7	PLUMBING DIAGRAM
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS

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

APPROVALS

SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR PROJECT NUMBER	**10117475**
VzW LOCATION CODE (PSLC)	**467579**

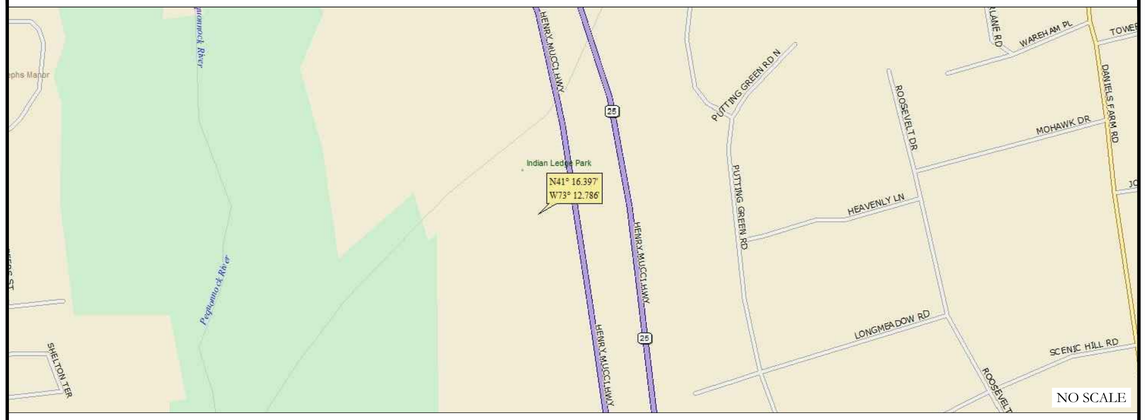
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	**Y**

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (785 QUEEN ST, SOUTHINGTON, CT 06489)
HEAD NORTH ON CT-10 N TOWARD AIRCRAFT RD. TURN LEFT ONTO CT-177 N/TOWN LINE RD. TURN RIGHT ONTO ROBERT JACKSON WAY.

APPLICABLE CODES/REFERENCE DOCUMENTS

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

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

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	TOWER ENGINEERING PROFESSIONALS
DATED:	07/07/2021
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	11/19/2021
RFDS REVISION:	0
DATED:	09/04/2020
ORDER ID:	552698
REVISION:	0

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

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:
- REMOVE (9) ANTENNAS
- REMOVE (6) RRHs
- INSTALL PLATFORM MOUNT MODIFICATIONS
- INSTALL (9) ANTENNAS
- INSTALL (3) DIPLEXERS
- INSTALL (6) RRHs
- INSTALL (3) SIDE-BY-SIDE ANTENNA MOUNTS

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
1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351
TEP JOB #: 218120.633562

VERIZON SITE NUMBER:
467579

BU #: **881535**
TRUMBULL TOWER

425 INDIAN LEDGE PARK RD
TRUMBULL, CT 06611

EXISTING 195'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	01/07/22	ORG	CONSTRUCTION	RST

01/07/22

SHEET NUMBER: T-1
REVISION: 0

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

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

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).

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351
TEP JOB #: 218120.633562

VERIZON SITE NUMBER:
467579

BU #: **881535**
TRUMBULL TOWER

425 INDIAN LEDGE PARK RD
TRUMBULL, CT 06611

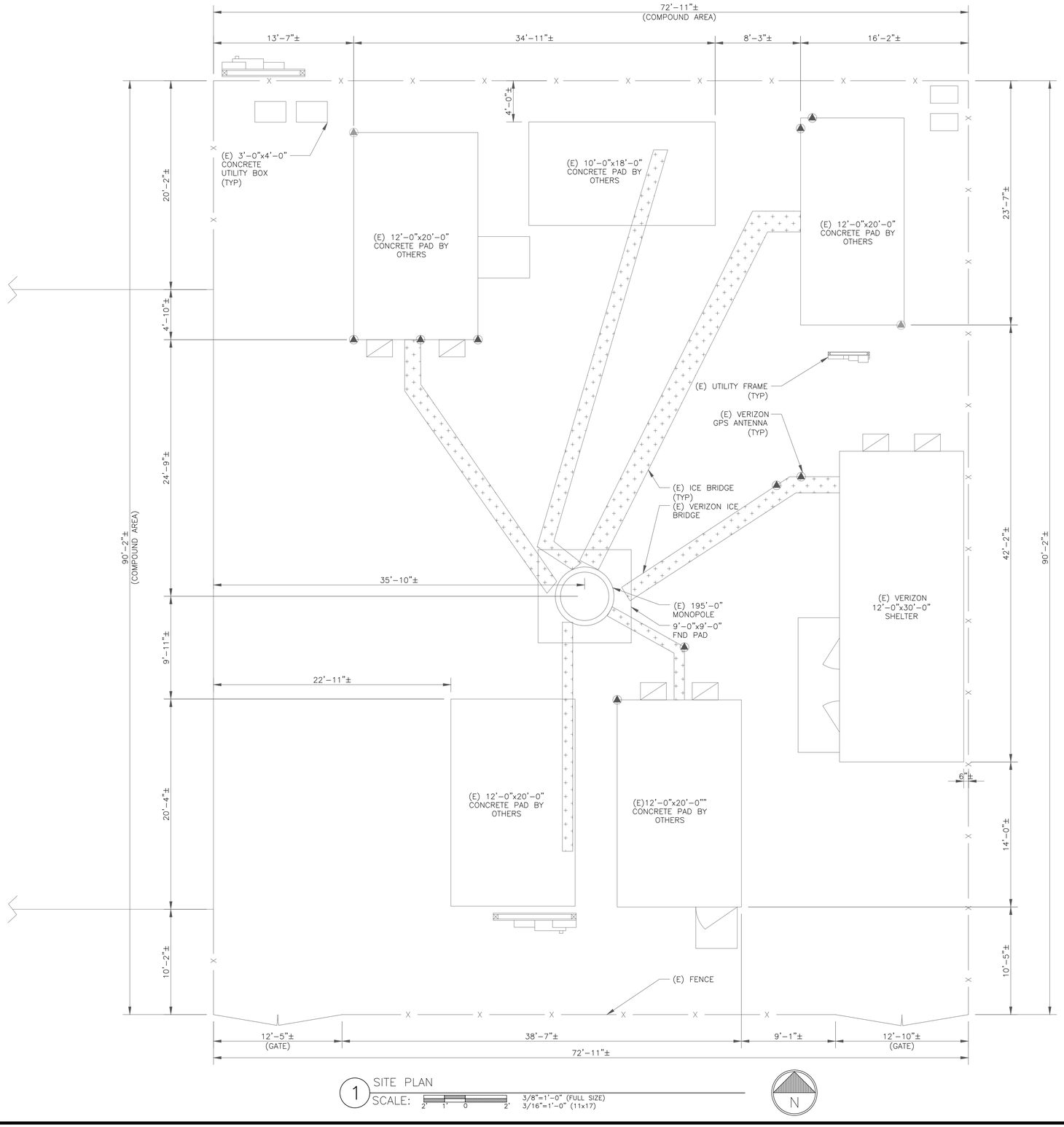
EXISTING 195'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	01/07/22	ORG	CONSTRUCTION	RST

STATE OF CONNECTICUT · SCOTT C. BRANTLEY · 25538 · LICENSED PROFESSIONAL ENGINEER
01/07/22

SHEET NUMBER: T-2
REVISION: 0



1 SITE PLAN

SCALE: 2' 1' 0 2' 3/8"=1'-0" (FULL SIZE) 3/16"=1'-0" (11x17)

N

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

TOWER
ENGINEERING
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EXISTING 195'-0" MONOPOLE

ISSUED FOR:

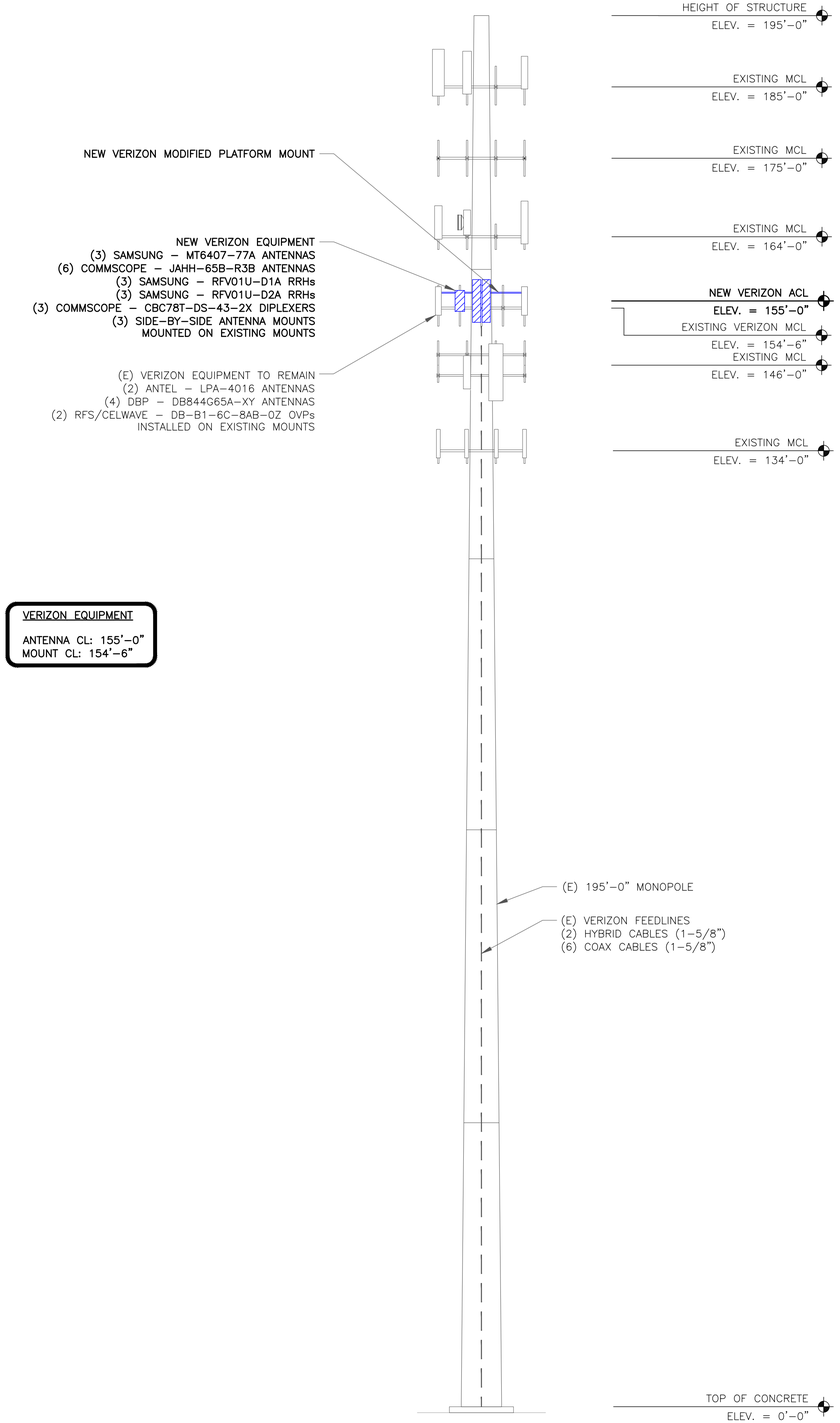
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	01/07/22	ORG	CONSTRUCTION	RST

STATE OF CONNECTICUT
SCOTT C. BRANTLEY
24034
LICENSED
PROFESSIONAL ENGINEER

01/07/22

SHEET NUMBER: C-1

REVISION: 0



1 TOWER ELEVATION
SCALE: NOT TO SCALE

INSTALLER NOTE:

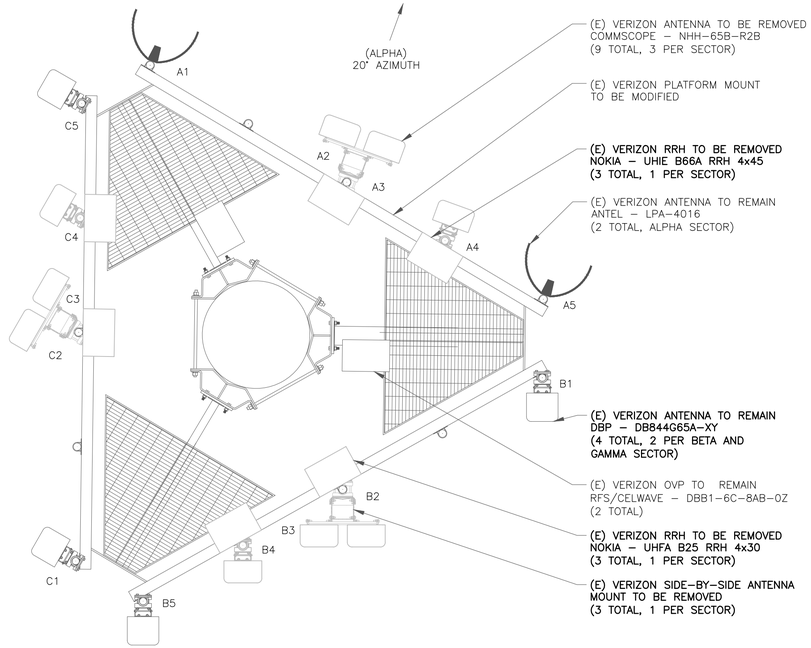
EXISTING AND PROPOSED ANTENNA/ EQUIPMENT POSITIONING SHOWN PER RFDS. FIELD CONDITIONS MAY VARY.

TOWER ANALYSIS NOTES:

1. THE DESIGN DEPICTED IN THESE DRAWINGS IS VALID WHEN ACCOMPANIED BY A CORRESPONDING PASSING TOWER ANALYSIS.
2. CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHALL REVIEW THE TOWER ANALYSIS FOR ANY CONDITIONS PRIOR TO INSTALLATION.
3. ANY REQUIRED TOWER MODIFICATION DESIGN OR TOWER REPLACEMENT SHALL BE APPROVED BY EOR.

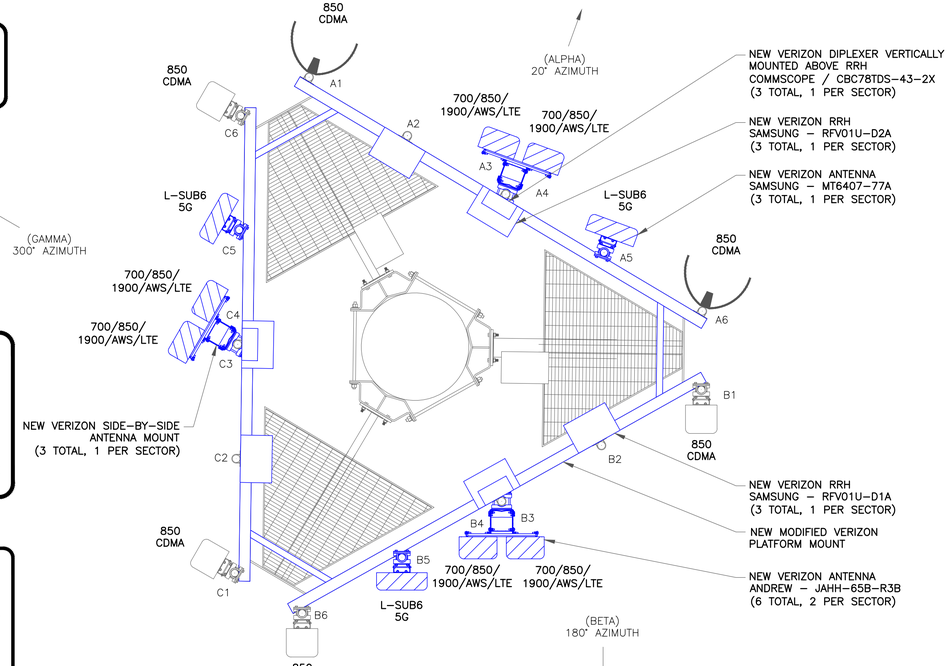
MOUNT ANALYSIS NOTES:

1. THE DESIGN DEPICTED IN THESE DRAWINGS IS VALID WHEN ACCOMPANIED BY A CORRESPONDING PASSING MOUNT ANALYSIS.
2. CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHALL REVIEW THE MOUNT ANALYSIS FOR ANY CONDITIONS PRIOR TO INSTALLATION.
3. ANY REQUIRED MOUNT MODIFICATION DESIGN OR MOUNT REPLACEMENT SHALL BE APPROVED BY EOR.



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE

N



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

N

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180 WASHINGTON VALLEY ROAD
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TOWER ENGINEERING PROFESSIONALS
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(919) 661-6351
TEP JOB #: 218120.633562

VERIZON SITE NUMBER:
467579

BU #: **881535**
TRUMBULL TOWER

425 INDIAN LEDGE PARK RD
TRUMBULL, CT 06611

EXISTING 195'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	01/07/22	ORG	CONSTRUCTION	RST

STATE OF CONNECTICUT
SCOTT C. BRANTE
35536
LICENSED
PROFESSIONAL ENGINEER

01/07/22

SHEET NUMBER: C-2

REVISION: 0

ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	ANTEL	LPA-4016	155'-0"	20°	*	*	-	-
A2	-	-	-	-	-	-	-	SAMSUNG	(1) RFV01U-D2A RRH
A3	**NEW**	**ANDREW**	**JAHH-65B-R3B**	**155'-0"**	**20°**	*	*	SAMSUNG	(1) RFV01U-D1A RRH
A4	**NEW**	**ANDREW**	**JAHH-65B-R3B**	**155'-0"**	**20°**	*	*	COMMSCOPE	(1) CBC78T-DS-43-2X DIPLEXER
A5	**NEW**	**SAMSUNG**	**MT6407-77A**	**155'-0"**	**20°**	*	*	-	-
A6	EXISTING	ANTEL	LPA-4016	155'-0"	20°	*	*	RFS/CELWAVE	(1) DB-B1-6C-8AB-0Z OVP

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
B1	EXISTING	DECIBEL	DB844G65ZAXY	155'-0"	180°	*	*	-	-
B2	-	-	-	-	-	-	-	SAMSUNG	(1) RFV01U-D2A RRH
B3	**NEW**	**ANDREW**	**JAHH-65B-R3B**	**155'-0"**	**180°**	*	*	SAMSUNG	(1) RFV01U-D1A RRH
B4	**NEW**	**ANDREW**	**JAHH-65B-R3B**	**155'-0"**	**180°**	*	*	COMMSCOPE	(1) CBC78T-DS-43-2X DIPLEXER
B5	**NEW**	**SAMSUNG**	**MT6407-77A**	**155'-0"**	**180°**	*	*	-	-
B6	EXISTING	DECIBEL	DB844G65ZAXY	155'-0"	180°	*	*	RFS/CELWAVE	(1) DB-B1-6C-8AB-0Z OVP

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
C1	EXISTING	DECIBEL	DB844G65ZAXY	155'-0"	300°	*	*	-	-
C2	-	-	-	-	-	-	-	SAMSUNG	(1) RFV01U-D2A RRH
C3	**NEW**	**ANDREW**	**JAHH-65B-R3B**	**155'-0"**	**300°**	*	*	SAMSUNG	(1) RFV01U-D1A RRH
C4	**NEW**	**ANDREW**	**JAHH-65B-R3B**	**155'-0"**	**300°**	*	*	COMMSCOPE	(1) CBC78T-DS-43-2X DIPLEXER
C5	**NEW**	**SAMSUNG**	**MT6407-77A**	**155'-0"**	**300°**	*	*	-	-
C6	EXISTING	DECIBEL	DB844G65ZAXY	155'-0"	300°	*	*	-	-

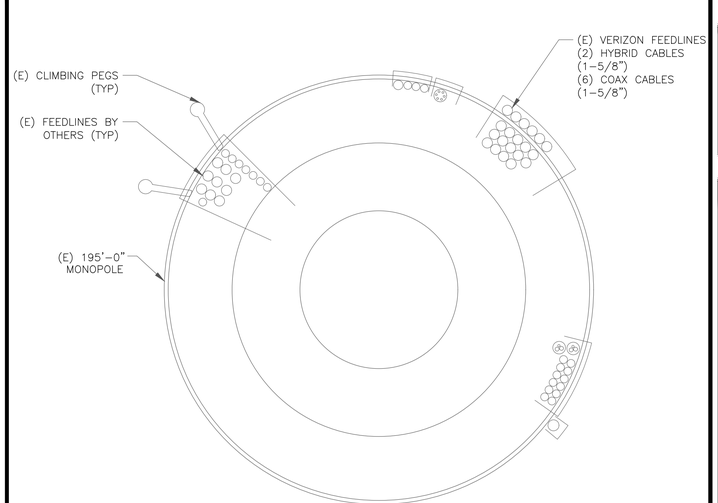
NOTE - NEW ANTENNA/EQUIPMENT SHOWN IN BOLD

* - CONTRACTOR TO REFERENCE MOST RECENT RFDS FOR MECHANICAL AND ELECTRICAL DOWNTILTS

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	MANUFACTURER (MODEL #)	SIZE	LENGTH	QTY
EXISTING	COAX	ANDREW (LDF7-50A)	1-5/8"	162'-0"±	6
EXISTING	HYBRID	RFS/CELWAVE (HB158-U12S24-XXX-LI)	1-5/8"	162'-0"±	2
				TOTAL CABLE QTY:	8



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351

TEP JOB #: 218120.633562

VERIZON SITE NUMBER:
467579

BU #: **881535**
TRUMBULL TOWER

425 INDIAN LEDGE PARK RD
TRUMBULL, CT 06611

EXISTING 195'-0" MONOPOLE

ISSUED FOR:

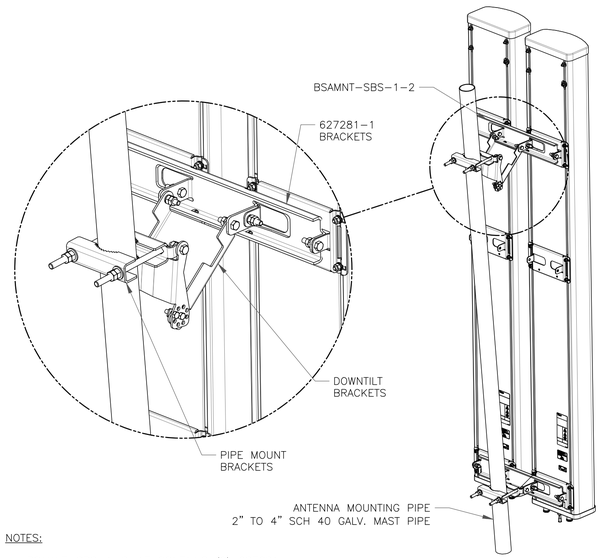
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	01/07/22	ORG	CONSTRUCTION	RST

STATE OF CONNECTICUT
SCOTT C. BRANTLEY
24338
LICENSED PROFESSIONAL ENGINEER

01/07/22

SHEET NUMBER: C-3

REVISION: 0

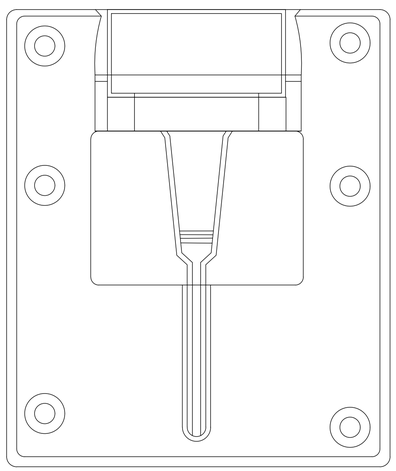


NOTES:

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

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

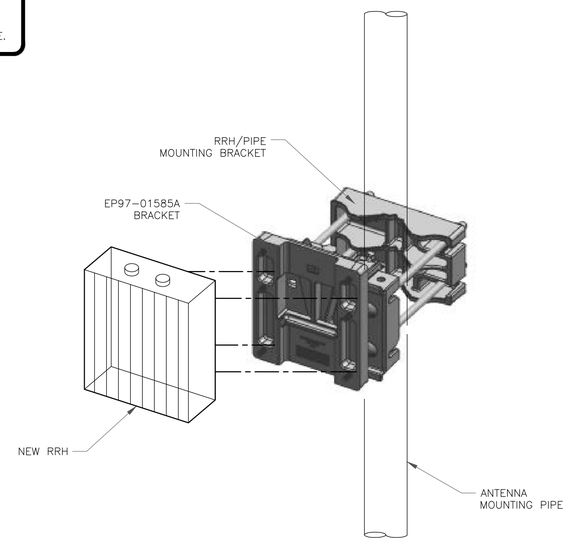
2 NOT USED
SCALE: NOT TO SCALE



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

INSTALLER NOTES:

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



4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351

TEP JOB #: 218120.633562

VERIZON SITE NUMBER:
467579

BU #: **881535**
TRUMBULL TOWER

425 INDIAN LEDGE PARK RD
TRUMBULL, CT 06611

EXISTING 195'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	01/07/22	ORG	CONSTRUCTION	RST

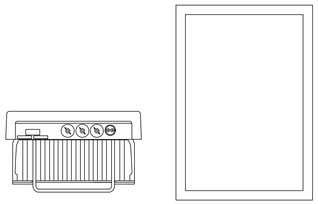
STATE OF CONNECTICUT
SCOTT C. BRANTLEY
LICENSED
PROFESSIONAL ENGINEER

01/07/22

SHEET NUMBER: C-4

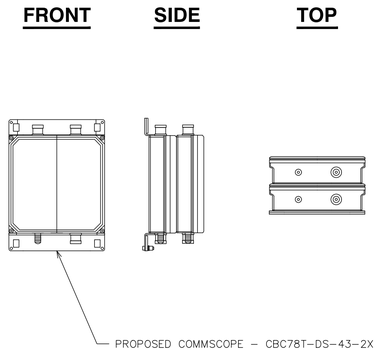
REVISION: 0

1 NOT USED
SCALE: NOT TO SCALE



SASMUNG – MT6407–77A ANTENNA
WEIGHT: 87.10 LBS
SIZE (HXWXD): 35.12X16.06X5.51 IN.

2 SAMSUNG – MT6407–77A
SCALE: NOT TO SCALE



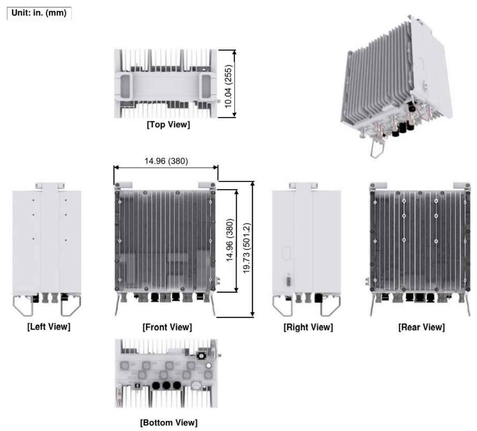
COMMSCOPE – CBC78T–DS–43–2X
SIZE (HxWxD): 6.4x6.9x9.6 IN.

3 COMMSCOPE – CBC78T–DS–43–2X
SCALE: NOT TO SCALE

4 NOT USED
SCALE: NOT TO SCALE

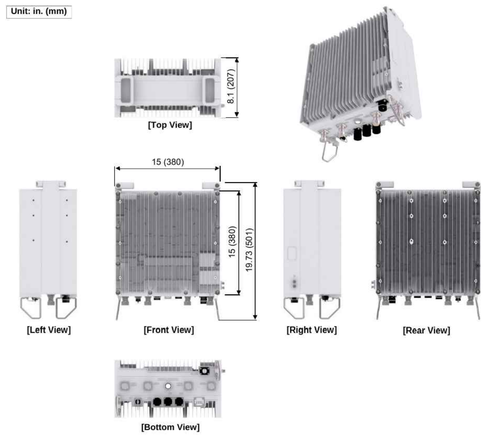
FIBER NAMING CONVENTION	
Technology	(Equipment-Sector-OPTI #)
DUPLEX FIBER RUN	
5GmmW L0	5GmmW-A-0
SIMPLEX FIBER RUN	
CBRS L0	CBRS-A-0
CBRS L1	CBRS-A-1
LAA L0	LAA-A-0
High Band Dual Band L0	HB-A-0
High Band Dual Band L1	HB-A-1
Low Band Dual Band L0	LB-A-0
FDMIMO AWS L0	FDM-AWS-A-0
FDMIMO AWS L1	FDM-AWS-A-1
FDMIMO PCS L0	FDM-PCS-A-0
FDMIMO PCS L1	FDM-PCS-A-1
Rev. 2/23/2021	

5 FIBER NAMING CONVENTION
SCALE: NOT TO SCALE



SAMSUNG – RFV01U–D1A
WEIGHT: 84.40 LBS
SIZE (HxWxD): 15.00x15.00x10.00 IN.

6 SAMSUNG – RFV01U–D1A
SCALE: NOT TO SCALE



SAMSUNG – RFV01U–D2A
WEIGHT: 70.30 LBS
SIZE (HxWxD): 15.00x15.00x8.10 IN.

7 SAMSUNG – RFV01U–D2A
SCALE: NOT TO SCALE

verizon
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TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351

TEP JOB #: 218120.633562

VERIZON SITE NUMBER:
467579

BU #: **881535**
TRUMBULL TOWER

425 INDIAN LEDGE PARK RD
TRUMBULL, CT 06611

EXISTING 195'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	01/07/22	ORG	CONSTRUCTION	RST

STATE OF CONNECTICUT
SCOTT C. BRANTLEY
35536
LICENSED
PROFESSIONAL ENGINEER

01/07/22

SHEET NUMBER: C-5

REVISION: 0

Sector - Line #	Sector		700 LTE				850 LTE				AWS				PCS				CBRS				850 CDMA	
Alpha -Line1		White	Red				Pink				Yellow				Light Blue				Dark Purple				Gray	
Alpha -Line2		White	Red	Red			Pink	Pink			Yellow	Yellow			Light Blue	Light Blue			Dark Purple	Dark Purple			Gray	Gray
Alpha -Line3		White	Red	Red	Red		Pink	Pink	Pink		Yellow	Yellow	Yellow		Light Blue	Light Blue	Light Blue		Dark Purple	Dark Purple	Dark Purple		Gray	Gray
Alpha -Line4		White	Red	Red	Red	Red	Pink	Pink	Pink	Pink	Yellow	Yellow	Yellow	Yellow	Light Blue	Light Blue	Light Blue	Light Blue	Dark Purple	Dark Purple	Dark Purple	Dark Purple	Gray	Gray
Beta -Line1		Blue	Red				Pink				Yellow				Light Blue				Dark Purple				Gray	
Beta -Line2		Blue	Red	Red			Pink	Pink			Yellow	Yellow			Light Blue	Light Blue			Dark Purple	Dark Purple			Gray	Gray
Beta -Line3		Blue	Red	Red	Red		Pink	Pink	Pink		Yellow	Yellow	Yellow		Light Blue	Light Blue	Light Blue		Dark Purple	Dark Purple	Dark Purple		Gray	Gray
Beta -Line4		Blue	Red	Red	Red	Red	Pink	Pink	Pink	Pink	Yellow	Yellow	Yellow	Yellow	Light Blue	Light Blue	Light Blue	Light Blue	Dark Purple	Dark Purple	Dark Purple	Dark Purple	Gray	Gray
Gamma-Line1		Green	Red				Pink				Yellow				Light Blue				Dark Purple				Gray	
Gamma-Line2		Green	Red	Red			Pink	Pink			Yellow	Yellow			Light Blue	Light Blue			Dark Purple	Dark Purple			Gray	Gray
Gamma-Line3		Green	Red	Red	Red		Pink	Pink	Pink		Yellow	Yellow	Yellow		Light Blue	Light Blue	Light Blue		Dark Purple	Dark Purple	Dark Purple		Gray	Gray
Gamma-Line4		Green	Red	Red	Red	Red	Pink	Pink	Pink	Pink	Yellow	Yellow	Yellow	Yellow	Light Blue	Light Blue	Light Blue	Light Blue	Dark Purple	Dark Purple	Dark Purple	Dark Purple	Gray	Gray
Delta-Line1	White	White	Red				Pink				Yellow				Light Blue				Dark Purple				Gray	
Delta-Line2	White	White	Red	Red			Pink	Pink			Yellow	Yellow			Light Blue	Light Blue			Dark Purple	Dark Purple			Gray	Gray
Delta-Line3	White	White	Red	Red	Red		Pink	Pink	Pink		Yellow	Yellow	Yellow		Light Blue	Light Blue	Light Blue		Dark Purple	Dark Purple	Dark Purple		Gray	Gray
Delta-Line4	White	White	Red	Red	Red	Red	Pink	Pink	Pink	Pink	Yellow	Yellow	Yellow	Yellow	Light Blue	Light Blue	Light Blue	Light Blue	Dark Purple	Dark Purple	Dark Purple	Dark Purple	Gray	Gray
Epsilon-Line1	Blue	Blue	Red				Pink				Yellow				Light Blue				Dark Purple				Gray	
Epsilon-Line2	Blue	Blue	Red	Red			Pink	Pink			Yellow	Yellow			Light Blue	Light Blue			Dark Purple	Dark Purple			Gray	Gray
Epsilon-Line3	Blue	Blue	Red	Red	Red		Pink	Pink	Pink		Yellow	Yellow	Yellow		Light Blue	Light Blue	Light Blue		Dark Purple	Dark Purple	Dark Purple		Gray	Gray
Epsilon-Line4	Blue	Blue	Red	Red	Red	Red	Pink	Pink	Pink	Pink	Yellow	Yellow	Yellow	Yellow	Light Blue	Light Blue	Light Blue	Light Blue	Dark Purple	Dark Purple	Dark Purple	Dark Purple	Gray	Gray
Zeta-Line1	Green	Green	Red				Pink				Yellow				Light Blue				Dark Purple				Gray	
Zeta-Line2	Green	Green	Red	Red			Pink	Pink			Yellow	Yellow			Light Blue	Light Blue			Dark Purple	Dark Purple			Gray	Gray
Zeta-Line3	Green	Green	Red	Red	Red		Pink	Pink	Pink		Yellow	Yellow	Yellow		Light Blue	Light Blue	Light Blue		Dark Purple	Dark Purple	Dark Purple		Gray	Gray
Zeta-Line4	Green	Green	Red	Red	Red	Red	Pink	Pink	Pink	Pink	Yellow	Yellow	Yellow	Yellow	Light Blue	Light Blue	Light Blue	Light Blue	Dark Purple	Dark Purple	Dark Purple	Dark Purple	Gray	Gray
GPS-Line1	Brown																							
GPS-Line2	Brown	Brown																						
GPS-Line3	Brown	Brown	Brown																					
GPS-Line4	Brown	Brown	Brown	Brown																				

1 COLOR CODE MATRIX
SCALE: NOT TO SCALE

verizon
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1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351
TEP JOB #: 218120.633562

VERIZON SITE NUMBER:
467579

BU #: **881535**
TRUMBULL TOWER

425 INDIAN LEDGE PARK RD
TRUMBULL, CT 06611

EXISTING 195'-0" MONOPOLE

ISSUED FOR:

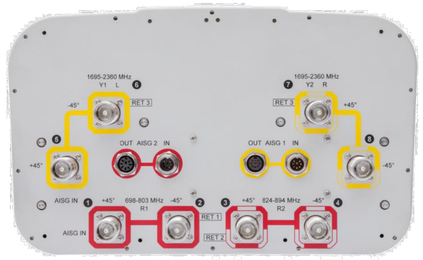
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	01/07/22	ORG	CONSTRUCTION	RST

STATE OF CONNECTICUT
SCOTT C. BRANTLEY
LICENSED
PROFESSIONAL ENGINEER

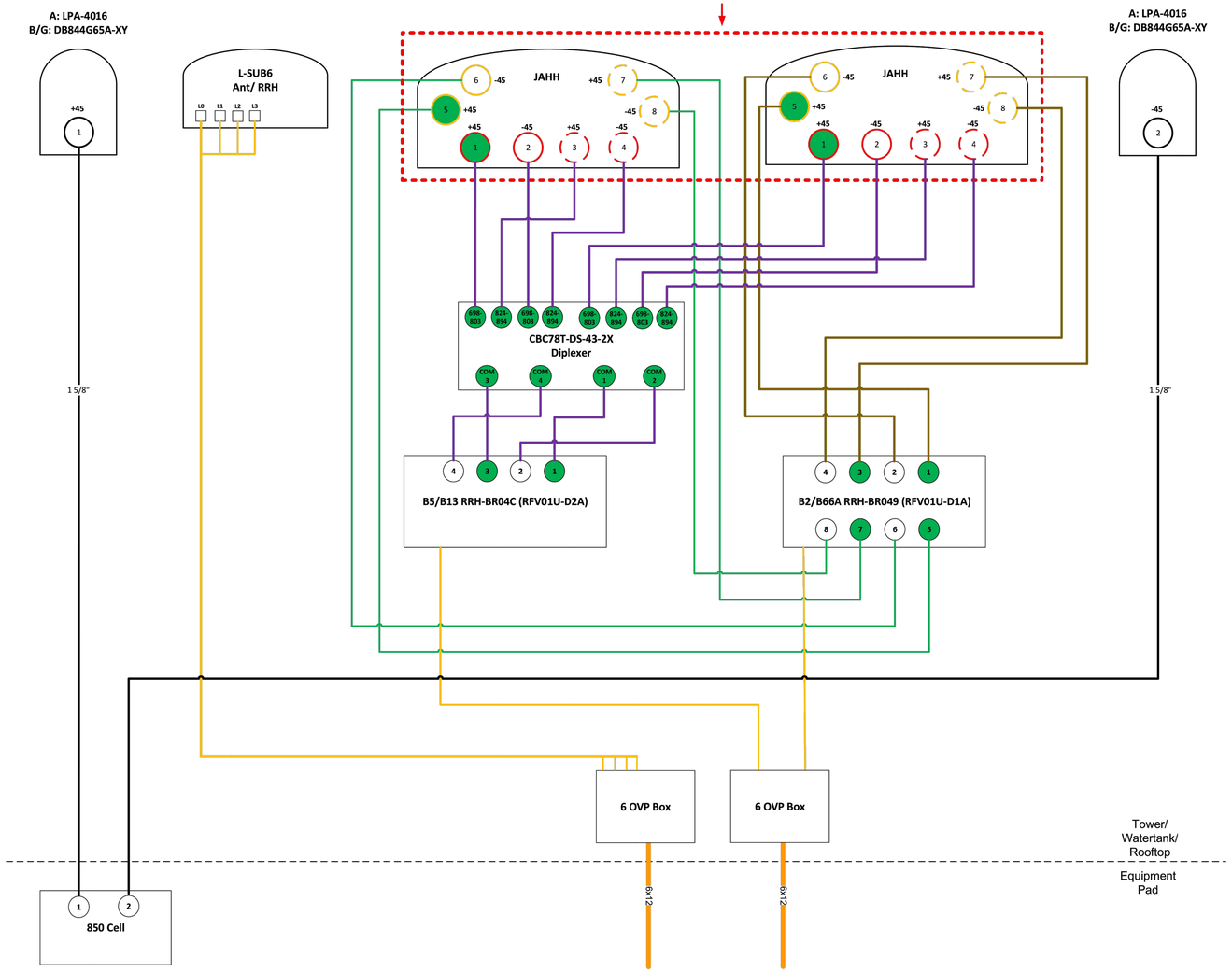
01/07/22

SHEET NUMBER: C-6

REVISION: 0



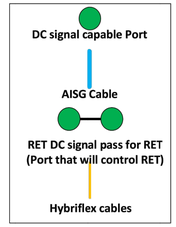
BSAMNT-SBS-2-2



1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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

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



Comments:

Diagram shows antenna port configuration as viewed from below antennas.

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

Cap and weatherproof unused antenna ports.

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351

TEP JOB #: 218120.633562

VERIZON SITE NUMBER:
467579

BU #: **881535**
TRUMBULL TOWER

425 INDIAN LEDGE PARK RD
TRUMBULL, CT 06611

EXISTING 195'-0" MONOPOLE

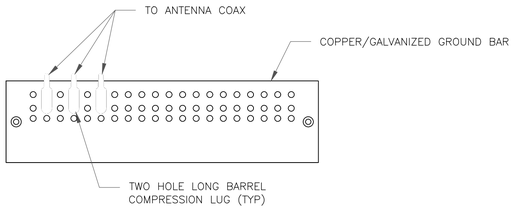
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	01/07/22	ORG	CONSTRUCTION	RST

01/07/22

SHEET NUMBER: C-7

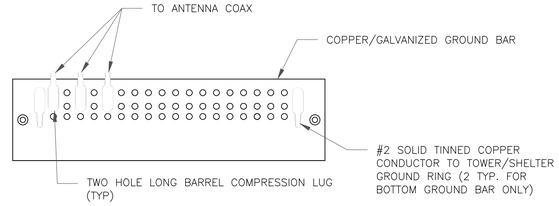
REVISION: 0



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.

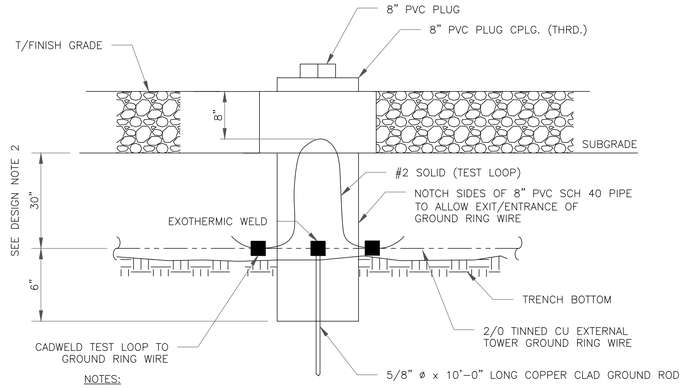
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



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.

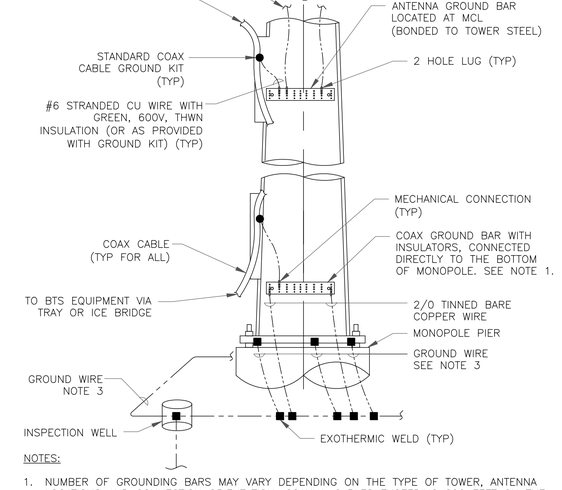
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



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)

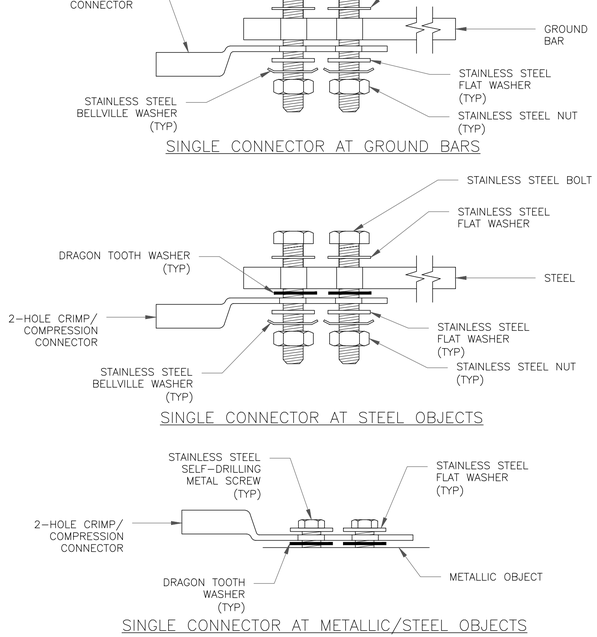
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



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

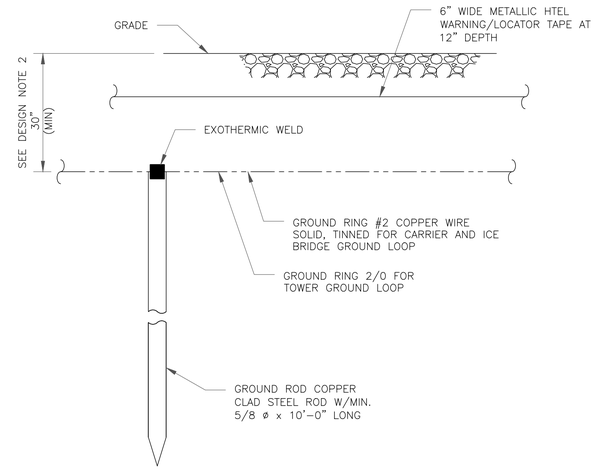


SINGLE CONNECTOR AT GROUND BARS

SINGLE CONNECTOR AT STEEL OBJECTS

SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351
TEP JOB #: 218120.633562

VERIZON SITE NUMBER:
467579

BU #: **881535**
TRUMBULL TOWER

425 INDIAN LEDGE PARK RD
TRUMBULL, CT 06611

EXISTING 195'-0" MONOPOLE

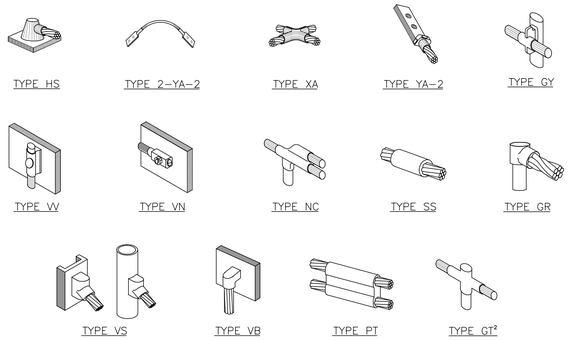
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	01/07/22	ORG	CONSTRUCTION	RST

STATE OF CONNECTICUT
SCOTT C. BRANTLEY
35536
LICENSED PROFESSIONAL ENGINEER

01/07/22

SHEET NUMBER: G-1
REVISION: 0

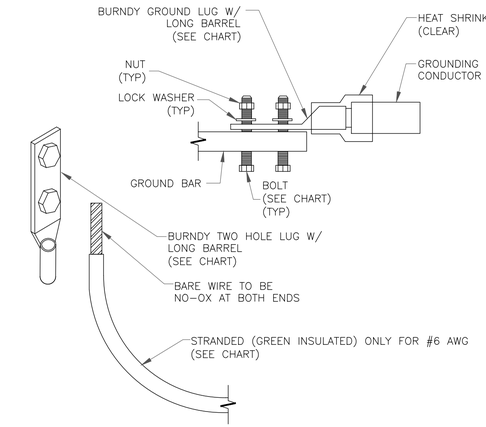


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

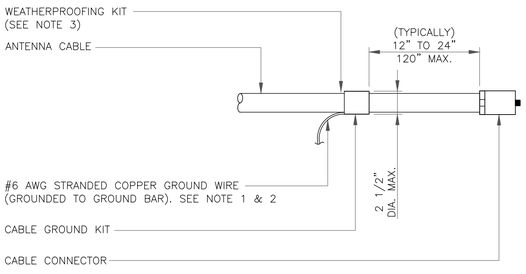
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

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

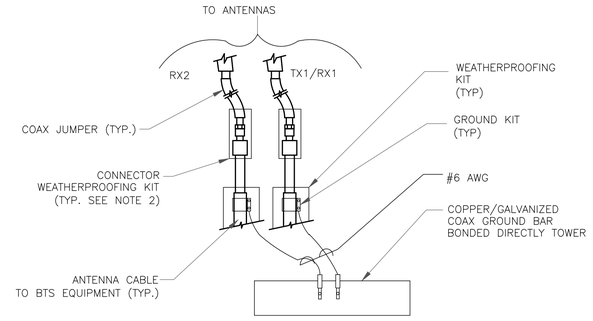
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

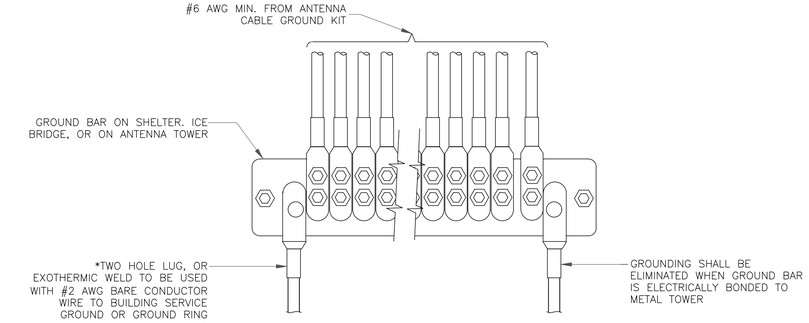
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



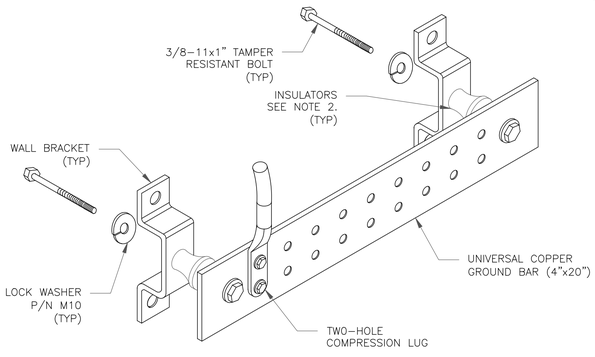
NOTES:

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

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



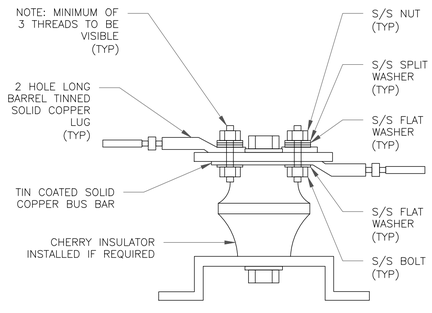
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



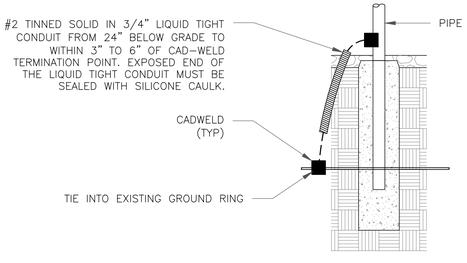
NOTES:

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

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

TOWER ENGINEERING PROFESSIONALS
326 TRYON RD
RALEIGH, NC 27603
(919) 661-6351

TEP JOB #: 218120.633562

VERIZON SITE NUMBER:
467579

BU #: **881535**
TRUMBULL TOWER

425 INDIAN LEDGE PARK RD
TRUMBULL, CT 06611

EXISTING 195'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	01/07/22	ORG	CONSTRUCTION	RST

STATE OF CONNECTICUT
SCOTT C. BRANTLEY
34336
LICENSED PROFESSIONAL ENGINEER

01/07/22

SHEET NUMBER: G-2

REVISION: 0

Exhibit D

Structural Analysis Report

Date: **May 7, 2021**

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

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	467579
	Site Name:	Trumbull 3 CT
Crown Castle Designation:	**BU Number:**	881535
	Site Name:	Trumbull Tower
	JDE Job Number:	644673
	Work Order Number:	1957805
	Order Number:	552698 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	218120.537403
Site Data:	**425 Indian Ledge Park Rd, Trumbull, Fairfield County, CT 06611** **Latitude *41° 16' 23.81"*, Longitude *-73° 12' 47.18"*** **195 Foot - Monopole Tower**	

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

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

LC5: Proposed Equipment Configuration **Sufficient Capacity – 62.2%**

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

Structural analysis prepared by: Gautam Sopal, E. I. / DEN

Respectfully submitted by:

Aaron T. Rucker, P.E.

Electronic Copy

05/07/2021

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 195-ft monopole tower designed by Engineered Endeavors, Inc.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 mph
Exposure Category:	B
Topographic Factor:	1.0
Ice Thickness:	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)
154.0	155.0	4	Decibel	DB844G65ZAXY w/ Mount Pipe	20	1-5/8
		2	Antel	LPA-4016 w/ Mount Pipe		
		6	Commscope	JAHH-65B-R3B w/ Mount Pipe		
		3	Commscope	BSAMNT-SBS-2-2		
		3	VZW	Sub6 Antenna - VZS01 w/ Mount Pipe		
		2	RFS Celwave	DB-B1-6C-8AB-0Z		
		3	Commscope	CBC78T-DS-43-2X		
		3	Samsung Telecom.	RFV01U-D1A		
		3	Samsung Telecom.	RFV01U-D2A		
	154.0	1	Tower Mounts	Platform Mount [LP 601-1]		

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)
185.0	187.0	3	Powerwave Technologies	7770.00 w/ Mount Pipe	12 4 2	1-1/4 5/8 3/8
		3	CCI Antennas	HPA-65R-BUU-H6 w/ Mount Pipe		
		3	Kathrein	80010965 w/ Mount Pipe		
		3	Ericsson	RRUS 32		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS12/RRUS A2		
	185.0	6	Powerwave Technologies	LGP21401		
		2	Raycap	DC6-48-60-18-8F		
		3	Generic	2STD x 12' Long Pipe		
		6	Tower Mounts	Miscellaneous [NA 509-1]		
		1	Tower Mounts	Platform Mount [LP 602-1_KCKR]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
175.0	175.0	1	Tower Mounts	Platform Mount [LP 601-1]	-	-
164.0	166.0	3	RFS Celwave	APXVSPP18-C-A20 w/ Mount Pipe	4 6 2	1-1/4 5/16 7983A
		3	RFS Celwave	APXVTM14-ALU-I20 w/ Mount Pipe		
		3	Argus Technologies	LLPX310R w/ Mount Pipe		
		3	Alcatel Lucent	TD-RRH8x20-25		
		3	Dragonwave	A-ANT-23G-2-C		
		3	Alcatel Lucent	1900MHz RRH (65MHz)		
		3	Alcatel Lucent	800MHZ RRH		
		3	Alcatel Lucent	800 EXTERNAL NOTCH FILTER		
		9	RFS Celwave	ACU-A20-N		
		3	Samsung Telecom.	FDD_R6_RRH		
	164.0	1	Tower Mounts	Platform Mount [LP 602-1]		
146.0	146.0	1	Tower Mounts	Platform Mount [LP 602-1]	14	1-5/8
	145.0	3	Ericsson	AIR 21 B4A B2P w/ Mount Pipe		
		3	RFS Celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
		3	Ericsson	KRY 112 144/1		
		3	Ericsson	RADIO 4449 B12/B71		
		3	Ericsson	RRUS 11 B2		
134.0	135.0	12	Decibel	DB844H90E-XY w/ Mount Pipe	6 9	1-5/8 1-1/4
	134.0	1	Tower Mounts	Platform Mount [LP 303-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Geotechnical Report	1406210	CCISites
Tower Foundation Drawings	1405798	CCISites
Tower Manufacturer Drawings	1405789	CCISites

3.1) Analysis Method

tnxTower (version 8.0.9.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 Standard.

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (k)	ϕP_{allow} (k)	% Capacity	Pass / Fail
L1	195 - 157.65	Pole	TP33.875x25x0.25	1	-11.80	1584.12	21.5	Pass
L2	157.65 - 117.08	Pole	TP42.9063x32.2511x0.3125	2	-28.36	2511.09	52.4	Pass
L3	117.08 - 81.09	Pole	TP50.75x40.9029x0.375	3	-39.76	3565.31	59.5	Pass
L4	81.09 - 40.03	Pole	TP59.6563x48.3906x0.5	4	-58.33	5584.37	50.1	Pass
L5	40.03 - 0	Pole	TP68x56.7865x0.5	5	-84.70	6580.00	57.5	Pass
							Summary	
						Pole (L3)	59.5	Pass
						RATING =	**59.5**	**Pass**

Table 5 - Tower Component Stresses vs. Capacity - LC5

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	-	58.5	Pass
1,2	Base Plate	-	51.8	Pass
1,2	Base Foundation Soil Interaction	-	60.5	Pass
1,2	Base Foundation Structural	-	62.2	Pass

Structure Rating (max from all components) =	**62.2%**

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

4.1) Recommendations

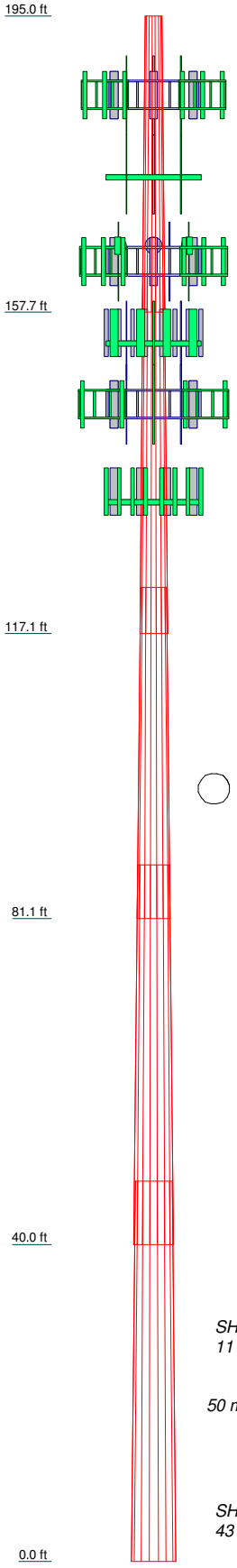
1) The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A

TNXTOWER OUTPUT

Section	1	2	3	4	5
Length (ft)	37.35	45.30	41.85	47.90	47.98
Number of Sides	18	18	18	18	18
Thickness (in)	0.2500	0.3125	0.3750	0.5000	0.5000
Socket Length (ft)	4.73	5.86	6.84	7.95	
Top Dia (in)	25.0000	32.2511	40.9029	48.3906	56.7865
Bot Dia (in)	33.8750	42.9063	50.7500	59.6563	68.0000
Grade			A572-65		
Weight (K)	2.9	5.7	7.7	13.8	16.0

46.2



ALL REACTIONS ARE FACTORED

AXIAL 134 K

SHEAR 11 K *MOMENT 1515 kip-ft*

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

AXIAL 85 K

SHEAR 43 K *MOMENT 5865 kip-ft*

TORQUE 1 kip-ft
REACTIONS - 125 mph WIND

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 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: 59.5%

Tower Engineering Professionals

Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
Phone: (919) 661-6351
FAX: (919) 661-6350

Job:	***Trumbull Tower (BU 881535)***		
Project:	***TEP No. 218120.537403***		
Client: Crown Castle	Drawn by: PRS	App'd:	
Code: TIA-222-H	Date: 05/07/21	Scale: NTS	
Path: C:\Users\pstewart\Desktop\Structural TNX Files\881535\Issued Docs\Pre-Seal\881535_1957805_LC5.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 Fairfield County, Connecticut.
Tower base elevation above sea level: 323.00 ft.
Basic wind speed of 125 mph.
Risk Category II.
Exposure Category B.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 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	195.00-157.65	37.35	4.73	18	25.0000	33.8750	0.2500	1.0000	A572-65 (65 ksi)
L2	157.65-117.08	45.30	5.86	18	32.2511	42.9063	0.3125	1.2500	A572-65 (65 ksi)
L3	117.08-81.09	41.85	6.84	18	40.9029	50.7500	0.3750	1.5000	A572-65 (65 ksi)
L4	81.09-40.03	47.90	7.95	18	48.3906	59.6563	0.5000	2.0000	A572-65 (65 ksi)
L5	40.03-0.00	47.98		18	56.7865	68.0000	0.5000	2.0000	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	25.3471	19.6391	1519.8824	8.7863	12.7000	119.6758	3041.7647	9.8214	3.9600	15.84
	34.3590	26.6814	3811.2835	11.9369	17.2085	221.4768	7627.5821	13.3433	5.5220	22.088
L2	33.8301	31.6791	4082.6376	11.3382	16.3835	249.1914	8170.6473	15.8425	5.1262	16.404
	43.5199	42.2477	9683.4926	15.1208	21.7964	444.2708	19379.7271	21.1279	7.0015	22.405
L3	42.8761	48.2383	10010.0876	14.3874	20.7787	481.7482	20033.3466	24.1237	6.5389	17.437
	51.4751	59.9588	19222.9846	17.8831	25.7810	745.6260	38471.2633	29.9851	8.2720	22.059
L4	50.6935	76.0024	22022.4027	17.0012	24.5824	895.8600	44073.7830	38.0084	7.6367	15.273
	60.4994	93.8810	41506.5163	21.0005	30.3054	1369.6091	83067.6479	46.9494	9.6195	19.239
L5	59.4720	89.3266	35754.1622	19.9817	28.8475	1239.4185	71555.3707	44.6718	9.1144	18.229
	68.9719	107.1225	61663.1484	23.9625	34.5440	1785.0610	123407.4348	53.5714	11.0880	22.176

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 195.00-157.65				1	1	1			
L2 157.65-117.08				1	1	1			
L3 117.08-81.09				1	1	1			
L4 81.09-40.03				1	1	1			
L5 40.03-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
***										
Safety Line 3/8	A	No	Surface Ar	195.00 -	1	1	0.000	0.3750		0.22

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
			(CaAa)	10.00			0.000			
154										
AL7-50(1-5/8)	B	No	Surface Ar (CaAa)	154.00 - 0.00	6	6	-0.166 -0.166	1.9600		0.52
****										

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
185									
LDF6-50A(1-1/4)	B	No	No	Inside Pole	185.00 - 0.00	12	No Ice	0.00	0.60
							1/2" Ice	0.00	0.60
							1" Ice	0.00	0.60
							2" Ice	0.00	0.60
FB-L98B-002-75000 (3/8)	B	No	No	Inside Pole	185.00 - 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-VG82ST-BRD A(5/8)	B	No	No	Inside Pole	185.00 - 0.00	4	No Ice	0.00	0.31
							1/2" Ice	0.00	0.31
							1" Ice	0.00	0.31
							2" Ice	0.00	0.31
2" Flexible Conduit	B	No	No	Inside Pole	185.00 - 0.00	2	No Ice	0.00	0.34
							1/2" Ice	0.00	0.34
							1" Ice	0.00	0.34
							2" Ice	0.00	0.34
164									
7983A(ELLIPTICAL)	B	No	No	Inside Pole	164.00 - 0.00	2	No Ice	0.00	0.08
							1/2" Ice	0.00	0.08
							1" Ice	0.00	0.08
							2" Ice	0.00	0.08
9207(5/16)	B	No	No	Inside Pole	164.00 - 0.00	6	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
HB114-1-0813U4-M5J(1-1/4)	B	No	No	Inside Pole	164.00 - 0.00	3	No Ice	0.00	1.20
							1/2" Ice	0.00	1.20
							1" Ice	0.00	1.20
							2" Ice	0.00	1.20
HB114-21U3M12-XXXF(1-1/4)	B	No	No	Inside Pole	164.00 - 0.00	1	No Ice	0.00	1.22
							1/2" Ice	0.00	1.22
							1" Ice	0.00	1.22
							2" Ice	0.00	1.22
2" Flexible Conduit	B	No	No	Inside Pole	164.00 - 0.00	1	No Ice	0.00	0.34
							1/2" Ice	0.00	0.34
							1" Ice	0.00	0.34
							2" Ice	0.00	0.34
HJ7-50A(1-5/8)	B	No	No	Inside Pole	154.00 - 0.00	12	No Ice	0.00	1.04
							1/2" Ice	0.00	1.04
							1" Ice	0.00	1.04
							2" Ice	0.00	1.04
HB158-1-08U8-S8J18(1-5/8)	B	No	No	Inside Pole	154.00 - 0.00	2	No Ice	0.00	1.30
							1/2" Ice	0.00	1.30
							1" Ice	0.00	1.30

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
							2" Ice	0.00	1.30
146									
LDF7-50A(1-5/8)	A	No	No	Inside Pole	146.00 - 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
HCS 6X12 4AWG(1-5/8)	A	No	No	Inside Pole	146.00 - 0.00	1	No Ice	0.00	2.40
							1/2" Ice	0.00	2.40
							1" Ice	0.00	2.40
							2" Ice	0.00	2.40
MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	A	No	No	Inside Pole	146.00 - 0.00	1	No Ice	0.00	1.07
							1/2" Ice	0.00	1.07
							1" Ice	0.00	1.07
							2" Ice	0.00	1.07
134									
LDF6-50A(1-1/4)	A	No	No	Inside Pole	135.00 - 0.00	9	No Ice	0.00	0.60
							1/2" Ice	0.00	0.60
							1" Ice	0.00	0.60
							2" Ice	0.00	0.60
LDF7-50A(1-5/8)	A	No	No	Inside Pole	135.00 - 0.00	6	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
****									

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	195.00-157.65	A	0.000	0.000	1.401	0.000	0.01
		B	0.000	0.000	0.000	0.000	0.29
		C	0.000	0.000	0.000	0.000	0.00
L2	157.65-117.08	A	0.000	0.000	1.521	0.000	0.58
		B	0.000	0.000	43.418	0.000	1.28
		C	0.000	0.000	0.000	0.000	0.00
L3	117.08-81.09	A	0.000	0.000	1.350	0.000	0.86
		B	0.000	0.000	42.324	0.000	1.19
		C	0.000	0.000	0.000	0.000	0.00
L4	81.09-40.03	A	0.000	0.000	1.540	0.000	0.98
		B	0.000	0.000	48.287	0.000	1.36
		C	0.000	0.000	0.000	0.000	0.00
L5	40.03-0.00	A	0.000	0.000	1.126	0.000	0.95
		B	0.000	0.000	47.075	0.000	1.33
		C	0.000	0.000	0.000	0.000	0.00

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

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	195.00-157.65	A	1.507	0.000	0.000	12.657	0.000	0.14
		B		0.000	0.000	0.000	0.000	0.29
		C		0.000	0.000	0.000	0.000	0.00
L2	157.65-117.08	A	1.470	0.000	0.000	13.749	0.000	0.72
		B		0.000	0.000	68.181	0.000	2.00
		C		0.000	0.000	0.000	0.000	0.00
L3	117.08-81.09	A	1.423	0.000	0.000	11.929	0.000	0.98
		B		0.000	0.000	66.129	0.000	1.87
		C		0.000	0.000	0.000	0.000	0.00
L4	81.09-40.03	A	1.355	0.000	0.000	13.223	0.000	1.11
		B		0.000	0.000	74.963	0.000	2.11
		C		0.000	0.000	0.000	0.000	0.00
L5	40.03-0.00	A	1.210	0.000	0.000	9.262	0.000	1.04
		B		0.000	0.000	72.400	0.000	2.02
		C		0.000	0.000	0.000	0.000	0.00

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	195.00-157.65	-0.2612	-0.1508	-1.2066	-0.6967
L2	157.65-117.08	3.8540	-4.8990	2.4121	-4.3454
L3	117.08-81.09	4.3080	-5.4488	2.8194	-4.8773
L4	81.09-40.03	4.4831	-5.6721	2.9932	-5.1414
L5	40.03-0.00	4.6867	-5.8327	3.4181	-5.2529

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	2	Safety Line 3/8	157.65 - 195.00	1.0000	1.0000
L2	2	Safety Line 3/8	117.08 - 157.65	1.0000	1.0000
L2	15	AL7-50(1-5/8)	117.08 - 154.00	1.0000	1.0000
L3	2	Safety Line 3/8	81.09 - 117.08	1.0000	1.0000
L3	15	AL7-50(1-5/8)	81.09 - 117.08	1.0000	1.0000
L4	2	Safety Line 3/8	40.03 - 81.09	1.0000	1.0000
L4	15	AL7-50(1-5/8)	40.03 - 81.09	1.0000	1.0000
L5	2	Safety Line 3/8	10.00 - 40.03	1.0000	1.0000
L5	15	AL7-50(1-5/8)	0.00 - 40.03	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
185									
7770.00 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 2.00	0.0000	185.00	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 Centroid-Leg	4.00 0.00 2.00	0.0000	185.00	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 Centroid-Leg	4.00 0.00 2.00	0.0000	185.00	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
HPA-65R-BUU-H6 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 2.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice 2" Ice	9.22 9.98 10.76 12.36	6.25 6.96 7.70 9.22	0.07 0.14 0.22 0.42
HPA-65R-BUU-H6 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 2.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice 2" Ice	9.22 9.98 10.76 12.36	6.25 6.96 7.70 9.22	0.07 0.14 0.22 0.42
HPA-65R-BUU-H6 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 2.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice 2" Ice	9.22 9.98 10.76 12.36	6.25 6.96 7.70 9.22	0.07 0.14 0.22 0.42
80010965 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 2.00	0.0000	185.00	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 Centroid-Leg	4.00 0.00 2.00	0.0000	185.00	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 Centroid-Leg	4.00 0.00 2.00	0.0000	185.00	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
RRUS 32	A	From Centroid-Leg	4.00 0.00 2.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.86 3.08 3.32 3.81	1.78 1.97 2.17 2.58	0.06 0.08 0.10 0.16
RRUS 32	B	From Centroid-Leg	4.00 0.00 2.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.86 3.08 3.32 3.81	1.78 1.97 2.17 2.58	0.06 0.08 0.10 0.16
RRUS 32	C	From Centroid-Leg	4.00 0.00 2.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.86 3.08 3.32 3.81	1.78 1.97 2.17 2.58	0.06 0.08 0.10 0.16
RRUS 4449 B5/B12	A	From Centroid-Le	4.00 0.00	0.0000	185.00	No Ice 1/2" Ice	1.97 2.14	1.41 1.56	0.07 0.09

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		g	2.00			1" Ice	2.33	1.73	0.11
						2" Ice	2.72	2.07	0.16
RRUS 4449 B5/B12	B	From Centroid-Le g	4.00 0.00 2.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice	1.97 2.14 2.33	1.41 1.56 1.73	0.07 0.09 0.11
						2" Ice	2.72	2.07	0.16
RRUS 4449 B5/B12	C	From Centroid-Le g	4.00 0.00 2.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice	1.97 2.14 2.33	1.41 1.56 1.73	0.07 0.09 0.11
						2" Ice	2.72	2.07	0.16
RRUS12/RRUS A2	A	From Centroid-Le g	4.00 0.00 2.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice	3.14 3.36 3.59	1.84 2.01 2.20	0.07 0.10 0.13
						2" Ice	4.07	2.59	0.20
RRUS12/RRUS A2	B	From Centroid-Le g	4.00 0.00 2.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice	3.14 3.36 3.59	1.84 2.01 2.20	0.07 0.10 0.13
						2" Ice	4.07	2.59	0.20
RRUS12/RRUS A2	C	From Centroid-Le g	4.00 0.00 2.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice	3.14 3.36 3.59	1.84 2.01 2.20	0.07 0.10 0.13
						2" Ice	4.07	2.59	0.20
(2) LGP21401	A	From Centroid-Le g	4.00 0.00 0.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice	1.10 1.24 1.38	0.21 0.27 0.35	0.01 0.02 0.03
						2" Ice	1.69	0.52	0.05
(2) LGP21401	B	From Centroid-Le g	4.00 0.00 0.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice	1.10 1.24 1.38	0.21 0.27 0.35	0.01 0.02 0.03
						2" Ice	1.69	0.52	0.05
(2) LGP21401	C	From Centroid-Le g	4.00 0.00 0.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice	1.10 1.24 1.38	0.21 0.27 0.35	0.01 0.02 0.03
						2" Ice	1.69	0.52	0.05
DC6-48-60-18-8F	A	From Centroid-Le g	4.00 0.00 0.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice	1.21 1.89 2.11	1.21 1.89 2.11	0.03 0.05 0.08
						2" Ice	2.57	2.57	0.14
DC6-48-60-18-8F	B	From Centroid-Le g	4.00 0.00 0.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice	1.21 1.89 2.11	1.21 1.89 2.11	0.03 0.05 0.08
						2" Ice	2.57	2.57	0.14
2.4" Dia x 6-ft Pipe	A	From Centroid-Le g	4.00 0.00 0.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice	1.43 1.93 2.30	1.43 1.93 2.30	0.02 0.03 0.05
						2" Ice	3.06	3.06	0.09
2.4" Dia x 6-ft Pipe	B	From Centroid-Le g	4.00 0.00 0.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice	1.43 1.93 2.30	1.43 1.93 2.30	0.02 0.03 0.05
						2" Ice	3.06	3.06	0.09
2.4" Dia x 6-ft Pipe	C	From Centroid-Le g	4.00 0.00 0.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice	1.43 1.93 2.30	1.43 1.93 2.30	0.02 0.03 0.05
						2" Ice	3.06	3.06	0.09
2.4" Dia. x 12' Pipe (Horizontal)	A	From Centroid-Le g	4.00 0.00 0.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice	1.90 2.70 3.50	0.00 0.00 0.00	0.04 0.07 0.10

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice	5.10	0.00	0.18
2.4" Dia. x 12' Pipe (Horizontal)	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.70 3.50 5.10	0.00 0.00 0.00 0.00	0.04 0.07 0.10 0.18
2.4" Dia. x 12' Pipe (Horizontal)	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.70 3.50 5.10	0.00 0.00 0.00 0.00	0.04 0.07 0.10 0.18
(2) Miscellaneous [NA 509-1]	A	From Centroid-Leg	2.00 0.00 0.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.32 7.79 9.36 12.81	4.85 6.36 7.94 11.32	0.09 0.14 0.20 0.36
(2) Miscellaneous [NA 509-1]	B	From Centroid-Leg	2.00 0.00 0.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.32 7.79 9.36 12.81	4.85 6.36 7.94 11.32	0.09 0.14 0.20 0.36
(2) Miscellaneous [NA 509-1]	C	From Centroid-Leg	2.00 0.00 0.00	0.0000	185.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.32 7.79 9.36 12.81	4.85 6.36 7.94 11.32	0.09 0.14 0.20 0.36
Platform Mount [LP 602-1_KCKR]	C	None		0.0000	185.00	No Ice 1/2" Ice 1" Ice 2" Ice	42.30 49.04 55.87 69.85	42.30 49.04 55.87 69.85	1.62 2.38 3.27 5.40
175									
(4) 2.4" Dia x 6-ft Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.0000	175.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
(4) 2.4" Dia x 6-ft Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.0000	175.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
(4) 2.4" Dia x 6-ft Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.0000	175.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
Platform Mount [LP 601-1]	C	None		0.0000	175.00	No Ice 1/2" Ice 1" Ice 2" Ice	28.50 31.69 34.87 41.23	28.50 31.69 34.87 41.23	1.12 1.68 2.28 3.65
164									
APXVSPP18-C-A20 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXVSPP18-C-A20 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXVSPP18-C-A20 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.60 5.05 5.50 6.44	4.01 4.45 4.89 5.82	0.10 0.16 0.23 0.42
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Centroid-Le	4.00 0.00	0.0000	164.00	No Ice 1/2" Ice	4.09 4.48	2.86 3.23	0.08 0.13

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
		g	2.00			1" Ice	4.88	3.61	0.19
						2" Ice	5.71	4.40	0.33
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Centroid-Le g	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	2.86 3.23 3.61	0.08 0.13 0.19
						2" Ice	5.71	4.40	0.33
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Centroid-Le g	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	2.86 3.23 3.61	0.08 0.13 0.19
						2" Ice	5.71	4.40	0.33
LLPX310R w/ Mount Pipe	A	From Centroid-Le g	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	3.88 4.29 4.72	2.36 2.73 3.12	0.06 0.09 0.13
						2" Ice	5.61	3.94	0.24
LLPX310R w/ Mount Pipe	B	From Centroid-Le g	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	3.88 4.29 4.72	2.36 2.73 3.12	0.06 0.09 0.13
						2" Ice	5.61	3.94	0.24
LLPX310R w/ Mount Pipe	C	From Centroid-Le g	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	3.88 4.29 4.72	2.36 2.73 3.12	0.06 0.09 0.13
						2" Ice	5.61	3.94	0.24
1900MHz RRH (65MHz)	A	From Centroid-Le g	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	2.31 2.52 2.73	2.38 2.58 2.79	0.06 0.08 0.11
						2" Ice	3.17	3.24	0.18
1900MHz RRH (65MHz)	B	From Centroid-Le g	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	2.31 2.52 2.73	2.38 2.58 2.79	0.06 0.08 0.11
						2" Ice	3.17	3.24	0.18
1900MHz RRH (65MHz)	C	From Centroid-Le g	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	2.31 2.52 2.73	2.38 2.58 2.79	0.06 0.08 0.11
						2" Ice	3.17	3.24	0.18
800MHZ RRH	A	From Centroid-Le g	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	2.13 2.32 2.51	1.77 1.95 2.13	0.05 0.07 0.10
						2" Ice	2.92	2.51	0.16
800MHZ RRH	B	From Centroid-Le g	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	2.13 2.32 2.51	1.77 1.95 2.13	0.05 0.07 0.10
						2" Ice	2.92	2.51	0.16
800MHZ RRH	C	From Centroid-Le g	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	2.13 2.32 2.51	1.77 1.95 2.13	0.05 0.07 0.10
						2" Ice	2.92	2.51	0.16
800 EXTERNAL NOTCH FILTER	A	From Centroid-Le g	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	0.66 0.76 0.87	0.32 0.40 0.48	0.01 0.02 0.02
						2" Ice	1.11	0.67	0.04
800 EXTERNAL NOTCH FILTER	B	From Centroid-Le g	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	0.66 0.76 0.87	0.32 0.40 0.48	0.01 0.02 0.02
						2" Ice	1.11	0.67	0.04
800 EXTERNAL NOTCH FILTER	C	From Centroid-Le g	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice	0.66 0.76 0.87	0.32 0.40 0.48	0.01 0.02 0.02

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice	1.11	0.67	0.04
(3) ACU-A20-N	A	From Centroid-Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.07 0.10 0.15 0.26	0.12 0.16 0.21 0.34	0.00 0.00 0.00 0.01
(3) ACU-A20-N	B	From Centroid-Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.07 0.10 0.15 0.26	0.12 0.16 0.21 0.34	0.00 0.00 0.00 0.01
(3) ACU-A20-N	C	From Centroid-Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.07 0.10 0.15 0.26	0.12 0.16 0.21 0.34	0.00 0.00 0.00 0.01
TD-RRH8x20-25	B	From Centroid-Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	0.07 0.09 0.12 0.18
TD-RRH8x20-25	B	From Centroid-Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	0.07 0.09 0.12 0.18
TD-RRH8x20-25	C	From Centroid-Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.70 3.95 4.20 4.72	1.29 1.46 1.64 2.02	0.07 0.09 0.12 0.18
FDD_R6_RRH	A	From Centroid-Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.53 1.69 1.85 2.20	0.68 0.80 0.92 1.19	0.03 0.04 0.06 0.09
FDD_R6_RRH	B	From Centroid-Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.53 1.69 1.85 2.20	0.68 0.80 0.92 1.19	0.03 0.04 0.06 0.09
FDD_R6_RRH	C	From Centroid-Leg	4.00 0.00 2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.53 1.69 1.85 2.20	0.68 0.80 0.92 1.19	0.03 0.04 0.06 0.09
(2) 2.4" Dia x 6-ft Pipe	A	From Centroid-Leg	4.00 2.00 0.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
(2) 2.4" Dia x 6-ft Pipe	B	From Centroid-Leg	4.00 -2.00 0.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
(2) 2.4" Dia x 6-ft Pipe	C	From Centroid-Leg	4.00 2.00 0.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
8' Ladder	A	From Centroid-Leg	2.00 0.00 -2.00	0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.53 4.36 7.19 12.86	5.33 8.08 10.83 16.33	0.10 0.11 0.13 0.16
Platform Mount [LP 602-1]	C	None		0.0000	164.00	No Ice 1/2" Ice 1" Ice 2" Ice	31.07 34.82 38.48 45.60	31.07 34.82 38.48 45.60	1.34 1.97 2.67 4.31

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
154									
(2) DB844G65ZAXY w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.23 4.71 5.21 6.26	4.51 5.00 5.50 6.57	0.03 0.08 0.13 0.25
(2) DB844G65ZAXY w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.23 4.71 5.21 6.26	4.51 5.00 5.50 6.57	0.03 0.08 0.13 0.25
(2) LPA-4016 w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.62 9.06 9.51 10.45	6.75 7.38 8.02 9.36	0.04 0.12 0.21 0.40
(2) JAHH-65B-R3B w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
(2) JAHH-65B-R3B w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
(2) JAHH-65B-R3B w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
Sub6 Antenna - VZS01 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
(2) DB-B1-6C-8AB-0Z	A	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.80 5.07 5.35 5.93	2.00 2.19 2.39 2.81	0.04 0.08 0.12 0.21
CBC78T-DS-43-2X	A	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06
CBC78T-DS-43-2X	B	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06
CBC78T-DS-43-2X	C	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06
RFV01U-D1A	A	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
RFV01U-D1A	B	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D1A	C	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D2A	A	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
RFV01U-D2A	B	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
RFV01U-D2A	C	From Centroid-Face	4.00 0.00 1.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
2.4" Dia x 6-ft Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
2.4" Dia x 6-ft Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
2.4" Dia x 6-ft Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
Platform Mount [LP 601-1]	C	None		0.0000	154.00	No Ice 1/2" Ice 1" Ice 2" Ice	28.50 31.69 34.87 41.23	28.50 31.69 34.87 41.23	1.12 1.68 2.28 3.65
144									
ERICSSON AIR 21 B4A B2P w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 -1.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.14 3.45 3.77 4.43	2.59 2.88 3.19 3.84	0.11 0.16 0.22 0.37
ERICSSON AIR 21 B4A B2P w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 -1.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.14 3.45 3.77 4.43	2.59 2.88 3.19 3.84	0.11 0.16 0.22 0.37
ERICSSON AIR 21 B4A B2P w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 -1.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.14 3.45 3.77 4.43	2.59 2.88 3.19 3.84	0.11 0.16 0.22 0.37
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 -1.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.19 0.31 0.46 0.79
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 -1.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.19 0.31 0.46 0.79

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 -1.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.19 0.31 0.46 0.79
KRY 112 144/1	A	From Centroid-Face	4.00 0.00 -1.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.43 0.51 0.70	0.17 0.23 0.30 0.46	0.01 0.01 0.02 0.03
KRY 112 144/1	B	From Centroid-Face	4.00 0.00 -1.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.43 0.51 0.70	0.17 0.23 0.30 0.46	0.01 0.01 0.02 0.03
KRY 112 144/1	C	From Centroid-Face	4.00 0.00 -1.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.43 0.51 0.70	0.17 0.23 0.30 0.46	0.01 0.01 0.02 0.03
RADIO 4449 B12/B71	A	From Centroid-Face	4.00 0.00 -1.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.15 1.29 1.44 1.75	0.08 0.09 0.11 0.16
RADIO 4449 B12/B71	B	From Centroid-Face	4.00 0.00 -1.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.15 1.29 1.44 1.75	0.08 0.09 0.11 0.16
RADIO 4449 B12/B71	C	From Centroid-Face	4.00 0.00 -1.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.15 1.29 1.44 1.75	0.08 0.09 0.11 0.16
RRUS 11 B2	A	From Centroid-Face	4.00 0.00 -1.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.83 3.04 3.26 3.71	1.18 1.33 1.48 1.83	0.05 0.07 0.10 0.15
RRUS 11 B2	B	From Centroid-Face	4.00 0.00 -1.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.83 3.04 3.26 3.71	1.18 1.33 1.48 1.83	0.05 0.07 0.10 0.15
RRUS 11 B2	C	From Centroid-Face	4.00 0.00 -1.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.83 3.04 3.26 3.71	1.18 1.33 1.48 1.83	0.05 0.07 0.10 0.15
2.4" Dia x 6-ft Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
2.4" Dia x 6-ft Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
2.4" Dia x 6-ft Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.93 2.30 3.06	1.43 1.93 2.30 3.06	0.02 0.03 0.05 0.09
Platform Mount [LP 602-1]	C	None		0.0000	146.00	No Ice 1/2" Ice 1" Ice 2" Ice	31.07 34.82 38.48 45.60	31.07 34.82 38.48 45.60	1.34 1.97 2.67 4.31

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(4) DB844H90E-XY w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 1.00	0.0000	134.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.24 2.61 2.99 3.78	3.34 3.73 4.13 4.97	0.04 0.08 0.12 0.23
(4) DB844H90E-XY w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 1.00	0.0000	134.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.24 2.61 2.99 3.78	3.34 3.73 4.13 4.97	0.04 0.08 0.12 0.23
(4) DB844H90E-XY w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 1.00	0.0000	134.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.24 2.61 2.99 3.78	3.34 3.73 4.13 4.97	0.04 0.08 0.12 0.23
Platform Mount [LP 303-1]	C	None		0.0000	134.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 18.01 21.34 28.08	14.69 18.01 21.34 28.08	1.25 1.57 1.94 2.85
*****									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
164											
A-ANT-23G-2-C	A	Paraboloid w/Shroud (HP)	From Centroid -Leg	4.00 0.00 2.00	0.0000		164.00	2.17	No Ice 1/2" Ice 1" Ice 2" Ice	3.72 4.01 4.30 4.88	0.01 0.02 0.03 0.05
A-ANT-23G-2-C	B	Paraboloid w/Shroud (HP)	From Centroid -Leg	4.00 0.00 2.00	40.0000		164.00	2.17	No Ice 1/2" Ice 1" Ice 2" Ice	3.72 4.01 4.30 4.88	0.01 0.02 0.03 0.05
A-ANT-23G-2-C	C	Paraboloid w/Shroud (HP)	From Centroid -Leg	4.00 0.00 2.00	20.0000		164.00	2.17	No Ice 1/2" Ice 1" Ice 2" Ice	3.72 4.01 4.30 4.88	0.01 0.02 0.03 0.05
***											

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

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	195 - 157.65	Pole	Max Tension	8	0.00	0.00	0.00
			Max. Compression	26	-30.41	-1.14	0.17
			Max. Mx	8	-11.81	-252.54	-0.32
			Max. My	14	-11.83	-0.61	-251.75
			Max. Vy	8	16.86	-252.54	-0.32
			Max. Vx	14	16.64	-0.61	-251.75
			Max. Torque	22			-1.05

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L2	157.65 - 117.08	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-64.35	-0.81	0.67
			Max. Mx	8	-28.37	-1252.29	-5.11
			Max. My	2	-28.39	5.00	1244.78
			Max. Vy	8	31.15	-1252.29	-5.11
			Max. Vx	14	30.98	-4.66	-1244.38
			Max. Torque	22			-1.05
L3	117.08 - 81.09	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-79.40	-1.94	1.56
			Max. Mx	8	-39.77	-2408.45	-10.07
			Max. My	2	-39.79	9.90	2394.86
			Max. Vy	8	34.81	-2408.45	-10.07
			Max. Vx	14	34.64	-9.16	-2394.22
			Max. Torque	22			-0.51
L4	81.09 - 40.03	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-102.59	-3.44	2.74
			Max. Mx	8	-58.33	-3885.13	-15.65
			Max. My	2	-58.34	15.39	3864.66
			Max. Vy	8	38.95	-3885.13	-15.65
			Max. Vx	14	38.78	-14.31	-3863.68
			Max. Torque	22			-0.51
L5	40.03 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-134.43	-5.53	4.25
			Max. Mx	8	-84.70	-5852.86	-22.18
			Max. My	2	-84.70	21.79	5824.29
			Max. Vy	8	42.87	-5852.86	-22.18
			Max. Vx	14	42.71	-20.39	-5822.85
			Max. Torque	22			-0.51

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	30	134.43	-10.78	-0.02
	Max. H_x	20	84.72	42.78	0.21
	Max. H_z	2	84.72	0.14	42.66
	Max. M_x	2	5824.29	0.14	42.66
	Max. M_z	8	5852.86	-42.82	-0.14
	Max. Torsion	16	0.33	21.26	-36.90
	Min. Vert	17	63.54	21.26	-36.90
	Min. H_x	8	84.72	-42.82	-0.14
	Min. H_z	14	84.72	-0.12	-42.66
	Min. M_x	14	-5822.85	-0.12	-42.66
	Min. M_z	20	-5842.60	42.78	0.21
	Min. Torsion	22	-0.51	37.12	21.49

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	70.60	0.00	0.00	-0.66	-1.00	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	84.72	-0.14	-42.66	-5824.29	21.79	0.32
0.9 Dead+1.0 Wind 0 deg - No Ice	63.54	-0.14	-42.66	-5759.22	21.85	0.31
1.2 Dead+1.0 Wind 30 deg - No Ice	84.72	21.28	-36.90	-5036.42	-2904.40	0.47
0.9 Dead+1.0 Wind 30 deg - No Ice	63.54	21.28	-36.90	-4980.11	-2871.73	0.47
1.2 Dead+1.0 Wind 60 deg - No Ice	84.72	37.00	-21.25	-2898.50	-5054.97	0.15
0.9 Dead+1.0 Wind 60 deg - No Ice	63.54	37.00	-21.25	-2866.01	-4998.33	0.15
1.2 Dead+1.0 Wind 90 deg - No Ice	84.72	42.82	0.14	22.18	-5852.86	-0.22
0.9 Dead+1.0 Wind 90 deg - No Ice	63.54	42.82	0.14	22.12	-5787.35	-0.22
1.2 Dead+1.0 Wind 120 deg - No Ice	84.72	37.13	21.50	2939.62	-5075.19	-0.26
0.9 Dead+1.0 Wind 120 deg - No Ice	63.54	37.13	21.50	2907.06	-5018.32	-0.26
1.2 Dead+1.0 Wind 150 deg - No Ice	84.72	21.54	37.00	5051.99	-2948.37	-0.18
0.9 Dead+1.0 Wind 150 deg - No Ice	63.54	21.54	37.00	4995.91	-2915.19	-0.18
1.2 Dead+1.0 Wind 180 deg - No Ice	84.72	0.12	42.66	5822.85	-20.39	-0.22
0.9 Dead+1.0 Wind 180 deg - No Ice	63.54	0.12	42.66	5758.21	-19.85	-0.22
1.2 Dead+1.0 Wind 210 deg - No Ice	84.72	-21.26	36.90	5035.11	2899.53	-0.33
0.9 Dead+1.0 Wind 210 deg - No Ice	63.54	-21.26	36.90	4979.23	2867.54	-0.33
1.2 Dead+1.0 Wind 240 deg - No Ice	84.72	-36.95	21.28	2903.58	5042.48	-0.22
0.9 Dead+1.0 Wind 240 deg - No Ice	63.54	-36.95	21.28	2871.44	4986.61	-0.22
1.2 Dead+1.0 Wind 270 deg - No Ice	84.72	-42.78	-0.21	-35.67	5842.60	0.39
0.9 Dead+1.0 Wind 270 deg - No Ice	63.54	-42.78	-0.21	-35.04	5777.83	0.39
1.2 Dead+1.0 Wind 300 deg - No Ice	84.72	-37.12	-21.49	-2939.71	5071.69	0.51
0.9 Dead+1.0 Wind 300 deg - No Ice	63.54	-37.12	-21.49	-2906.74	5015.48	0.51
1.2 Dead+1.0 Wind 330 deg - No Ice	84.72	-21.52	-37.02	-5055.75	2943.27	0.28
0.9 Dead+1.0 Wind 330 deg - No Ice	63.54	-21.52	-37.02	-4999.22	2910.77	0.27
1.2 Dead+1.0 Ice+1.0 Temp	134.43	0.00	0.00	-4.25	-5.53	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	134.43	-0.02	-10.75	-1507.83	-1.74	0.10
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	134.43	5.37	-9.30	-1305.10	-756.23	0.07
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	134.43	9.32	-5.36	-753.75	-1310.18	-0.06
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	134.43	10.78	0.02	-0.36	-1514.99	-0.17
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	134.43	9.34	5.41	752.51	-1313.88	-0.18
1.2 Dead+1.0 Wind 150	134.43	5.41	9.32	1298.93	-764.48	-0.13

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 180	134.43	0.02	10.75	1498.63	-9.47	-0.08
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 210	134.43	-5.36	9.30	1295.92	743.72	-0.04
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 240	134.43	-9.31	5.37	745.91	1296.08	0.04
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 270	134.43	-10.77	-0.04	-11.35	1501.36	0.20
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 300	134.43	-9.34	-5.40	-761.43	1301.65	0.23
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 330	134.43	-5.41	-9.32	-1308.61	751.92	0.15
deg+1.0 Ice+1.0 Temp						
Dead+Wind 0 deg - Service	70.60	-0.03	-9.26	-1256.74	3.92	0.07
Dead+Wind 30 deg - Service	70.60	4.62	-8.01	-1086.79	-627.21	0.11
Dead+Wind 60 deg - Service	70.60	8.03	-4.61	-625.68	-1091.06	0.03
Dead+Wind 90 deg - Service	70.60	9.30	0.03	4.27	-1263.17	-0.05
Dead+Wind 120 deg - Service	70.60	8.06	4.67	633.54	-1095.44	-0.06
Dead+Wind 150 deg - Service	70.60	4.68	8.03	1089.15	-636.70	-0.04
Dead+Wind 180 deg - Service	70.60	0.03	9.26	1255.42	-5.17	-0.05
Dead+Wind 210 deg - Service	70.60	-4.62	8.01	1085.50	624.62	-0.07
Dead+Wind 240 deg - Service	70.60	-8.02	4.62	625.76	1086.82	-0.05
Dead+Wind 270 deg - Service	70.60	-9.29	-0.04	-8.19	1259.42	0.09
Dead+Wind 300 deg - Service	70.60	-8.06	-4.67	-634.57	1093.14	0.11
Dead+Wind 330 deg - Service	70.60	-4.67	-8.03	-1090.97	634.05	0.07

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	-70.60	0.00	0.00	70.60	0.00	0.000%
2	-0.14	-84.72	-42.66	0.14	84.72	42.66	0.000%
3	-0.14	-63.54	-42.66	0.14	63.54	42.66	0.000%
4	21.28	-84.72	-36.90	-21.28	84.72	36.90	0.000%
5	21.28	-63.54	-36.90	-21.28	63.54	36.90	0.000%
6	37.00	-84.72	-21.25	-37.00	84.72	21.25	0.000%
7	37.00	-63.54	-21.25	-37.00	63.54	21.25	0.000%
8	42.82	-84.72	0.14	-42.82	84.72	-0.14	0.000%
9	42.82	-63.54	0.14	-42.82	63.54	-0.14	0.000%
10	37.13	-84.72	21.50	-37.13	84.72	-21.50	0.000%
11	37.13	-63.54	21.50	-37.13	63.54	-21.50	0.000%
12	21.54	-84.72	37.00	-21.54	84.72	-37.00	0.000%
13	21.54	-63.54	37.00	-21.54	63.54	-37.00	0.000%
14	0.12	-84.72	42.66	-0.12	84.72	-42.66	0.000%
15	0.12	-63.54	42.66	-0.12	63.54	-42.66	0.000%
16	-21.26	-84.72	36.90	21.26	84.72	-36.90	0.000%
17	-21.26	-63.54	36.90	21.26	63.54	-36.90	0.000%
18	-36.95	-84.72	21.28	36.95	84.72	-21.28	0.000%
19	-36.95	-63.54	21.28	36.95	63.54	-21.28	0.000%
20	-42.78	-84.72	-0.21	42.78	84.72	0.21	0.000%
21	-42.78	-63.54	-0.21	42.78	63.54	0.21	0.000%
22	-37.12	-84.72	-21.49	37.12	84.72	21.49	0.000%
23	-37.12	-63.54	-21.49	37.12	63.54	21.49	0.000%
24	-21.52	-84.72	-37.02	21.52	84.72	37.02	0.000%
25	-21.52	-63.54	-37.02	21.52	63.54	37.02	0.000%
26	0.00	-134.43	0.00	0.00	134.43	0.00	0.000%
27	-0.02	-134.43	-10.75	0.02	134.43	10.75	0.000%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
28	5.37	-134.43	-9.30	-5.37	134.43	9.30	0.000%
29	9.32	-134.43	-5.36	-9.32	134.43	5.36	0.000%
30	10.78	-134.43	0.02	-10.78	134.43	-0.02	0.000%
31	9.34	-134.43	5.41	-9.34	134.43	-5.41	0.000%
32	5.41	-134.43	9.32	-5.41	134.43	-9.32	0.000%
33	0.02	-134.43	10.75	-0.02	134.43	-10.75	0.000%
34	-5.36	-134.43	9.30	5.36	134.43	-9.30	0.000%
35	-9.31	-134.43	5.37	9.31	134.43	-5.37	0.000%
36	-10.77	-134.43	-0.04	10.77	134.43	0.04	0.000%
37	-9.34	-134.43	-5.40	9.34	134.43	5.40	0.000%
38	-5.41	-134.43	-9.32	5.41	134.43	9.32	0.000%
39	-0.03	-70.60	-9.26	0.03	70.60	9.26	0.000%
40	4.62	-70.60	-8.01	-4.62	70.60	8.01	0.000%
41	8.03	-70.60	-4.61	-8.03	70.60	4.61	0.000%
42	9.30	-70.60	0.03	-9.30	70.60	-0.03	0.000%
43	8.06	-70.60	4.67	-8.06	70.60	-4.67	0.000%
44	4.68	-70.60	8.03	-4.68	70.60	-8.03	0.000%
45	0.03	-70.60	9.26	-0.03	70.60	-9.26	0.000%
46	-4.62	-70.60	8.01	4.62	70.60	-8.01	0.000%
47	-8.02	-70.60	4.62	8.02	70.60	-4.62	0.000%
48	-9.29	-70.60	-0.04	9.29	70.60	0.04	0.000%
49	-8.06	-70.60	-4.67	8.06	70.60	4.67	0.000%
50	-4.67	-70.60	-8.03	4.67	70.60	8.03	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	0.00045794
3	Yes	4	0.00000001	0.00020856
4	Yes	6	0.00000001	0.00006549
5	Yes	5	0.00000001	0.00059683
6	Yes	6	0.00000001	0.00006518
7	Yes	5	0.00000001	0.00059376
8	Yes	4	0.00000001	0.00046974
9	Yes	4	0.00000001	0.00021771
10	Yes	6	0.00000001	0.00006628
11	Yes	5	0.00000001	0.00060359
12	Yes	6	0.00000001	0.00006647
13	Yes	5	0.00000001	0.00060552
14	Yes	4	0.00000001	0.00057205
15	Yes	4	0.00000001	0.00030424
16	Yes	6	0.00000001	0.00006470
17	Yes	5	0.00000001	0.00058974
18	Yes	6	0.00000001	0.00006535
19	Yes	5	0.00000001	0.00059566
20	Yes	4	0.00000001	0.00075462
21	Yes	4	0.00000001	0.00044291
22	Yes	6	0.00000001	0.00006685
23	Yes	5	0.00000001	0.00060899
24	Yes	6	0.00000001	0.00006601
25	Yes	5	0.00000001	0.00060133
26	Yes	4	0.00000001	0.00000001
27	Yes	5	0.00000001	0.00061009
28	Yes	5	0.00000001	0.00072520

29	Yes	5	0.00000001	0.00072648
30	Yes	5	0.00000001	0.00061312
31	Yes	5	0.00000001	0.00072712
32	Yes	5	0.00000001	0.00072695
33	Yes	5	0.00000001	0.00060667
34	Yes	5	0.00000001	0.00071529
35	Yes	5	0.00000001	0.00071646
36	Yes	5	0.00000001	0.00060806
37	Yes	5	0.00000001	0.00072757
38	Yes	5	0.00000001	0.00072451
39	Yes	4	0.00000001	0.00007593
40	Yes	4	0.00000001	0.00033479
41	Yes	4	0.00000001	0.00032859
42	Yes	4	0.00000001	0.00007605
43	Yes	4	0.00000001	0.00033379
44	Yes	4	0.00000001	0.00033877
45	Yes	4	0.00000001	0.00007607
46	Yes	4	0.00000001	0.00032286
47	Yes	4	0.00000001	0.00033046
48	Yes	4	0.00000001	0.00007727
49	Yes	4	0.00000001	0.00034302
50	Yes	4	0.00000001	0.00033161

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	195 - 157.65	24.669	43	1.0896	0.0007
L2	162.38 - 117.08	17.325	43	1.0330	0.0005
L3	122.94 - 81.09	9.655	43	0.7826	0.0002
L4	87.93 - 40.03	4.814	43	0.5155	0.0001
L5	47.98 - 0	1.454	43	0.2735	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
185.00	7770.00 w/ Mount Pipe	43	22.378	1.0815	0.0006	48706
175.00	(4) 2.4" Dia x 6-ft Pipe	43	20.112	1.0676	0.0006	24352
166.00	A-ANT-23G-2-C	43	18.113	1.0454	0.0005	16795
164.00	APXVSPP18-C-A20 w/ Mount Pipe	43	17.676	1.0388	0.0005	15717
154.00	(2) DB844G65ZAXY w/ Mount Pipe	43	15.542	0.9952	0.0004	11996
146.00	ERICSSON AIR 21 B4A B2P w/ Mount Pipe	43	13.905	0.9493	0.0004	10095
134.00	(4) DB844H90E-XY w/ Mount Pipe	43	11.596	0.8670	0.0003	8155

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	195 - 157.65	114.334	10	5.0564	0.0030
L2	162.38 - 117.08	80.324	10	4.7942	0.0023
L3	122.94 - 81.09	44.781	10	3.6330	0.0009
L4	87.93 - 40.03	22.330	10	2.3922	0.0004
L5	47.98 - 0	6.743	10	1.2687	0.0002

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
185.00	7770.00 w/ Mount Pipe	10	103.726	5.0188	0.0028	10693
175.00	(4) 2.4" Dia x 6-ft Pipe	10	93.231	4.9545	0.0026	5344
166.00	A-ANT-23G-2-C	10	83.977	4.8520	0.0024	3684
164.00	APXVSPP18-C-A20 w/ Mount Pipe	10	81.953	4.8214	0.0023	3447
154.00	(2) DB844G65ZAXY w/ Mount Pipe	10	72.064	4.6193	0.0020	2623
146.00	ERICSSON AIR 21 B4A B2P w/ Mount Pipe	10	64.480	4.4062	0.0017	2204
134.00	(4) DB844H90E-XY w/ Mount Pipe	10	53.780	4.0246	0.0012	1777

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	195 - 157.65 (1)	TP33.875x25x0.25	37.35	0.00	0.0	25.7896	-11.80	1508.69	0.008
L2	157.65 - 117.08 (2)	TP42.9063x32.2511x0.3125	45.30	0.00	0.0	40.8805	-28.36	2391.51	0.012
L3	117.08 - 81.09 (3)	TP50.75x40.9029x0.375	41.85	0.00	0.0	58.0432	-39.76	3395.53	0.012
L4	81.09 - 40.03 (4)	TP59.6563x48.3906x0.5	47.90	0.00	0.0	90.9136	-58.33	5318.45	0.011
L5	40.03 - 0 (5)	TP68x56.7865x0.5	47.98	0.00	0.0	107.1220	-84.70	6266.67	0.014

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	195 - 157.65 (1)	TP33.875x25x0.25	252.62	1168.53	0.216	0.00	1168.53	0.000
L2	157.65 - 117.08 (2)	TP42.9063x32.2511x0.3125	1254.86	2337.04	0.537	0.00	2337.04	0.000
L3	117.08 - 81.09 (3)	TP50.75x40.9029x0.375	2413.81	3945.68	0.612	0.00	3945.68	0.000

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L4	81.09 - 40.03 (4)	TP59.6563x48.3906x0.5	3893.65	7560.90	0.515	0.00	7560.90	0.000
L5	40.03 - 0 (5)	TP68x56.7865x0.5	5865.06	9944.92	0.590	0.00	9944.92	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	195 - 157.65 (1)	TP33.875x25x0.25	16.85	452.61	0.037	0.81	1288.25	0.001
L2	157.65 - 117.08 (2)	TP42.9063x32.2511x0.3125	31.23	717.45	0.044	0.26	2589.60	0.000
L3	117.08 - 81.09 (3)	TP50.75x40.9029x0.375	34.89	1018.66	0.034	0.26	4350.33	0.000
L4	81.09 - 40.03 (4)	TP59.6563x48.3906x0.5	39.03	1595.53	0.024	0.26	8004.57	0.000
L5	40.03 - 0 (5)	TP68x56.7865x0.5	42.95	1880.00	0.023	0.26	11113.25	0.000

Pole Interaction Design Data

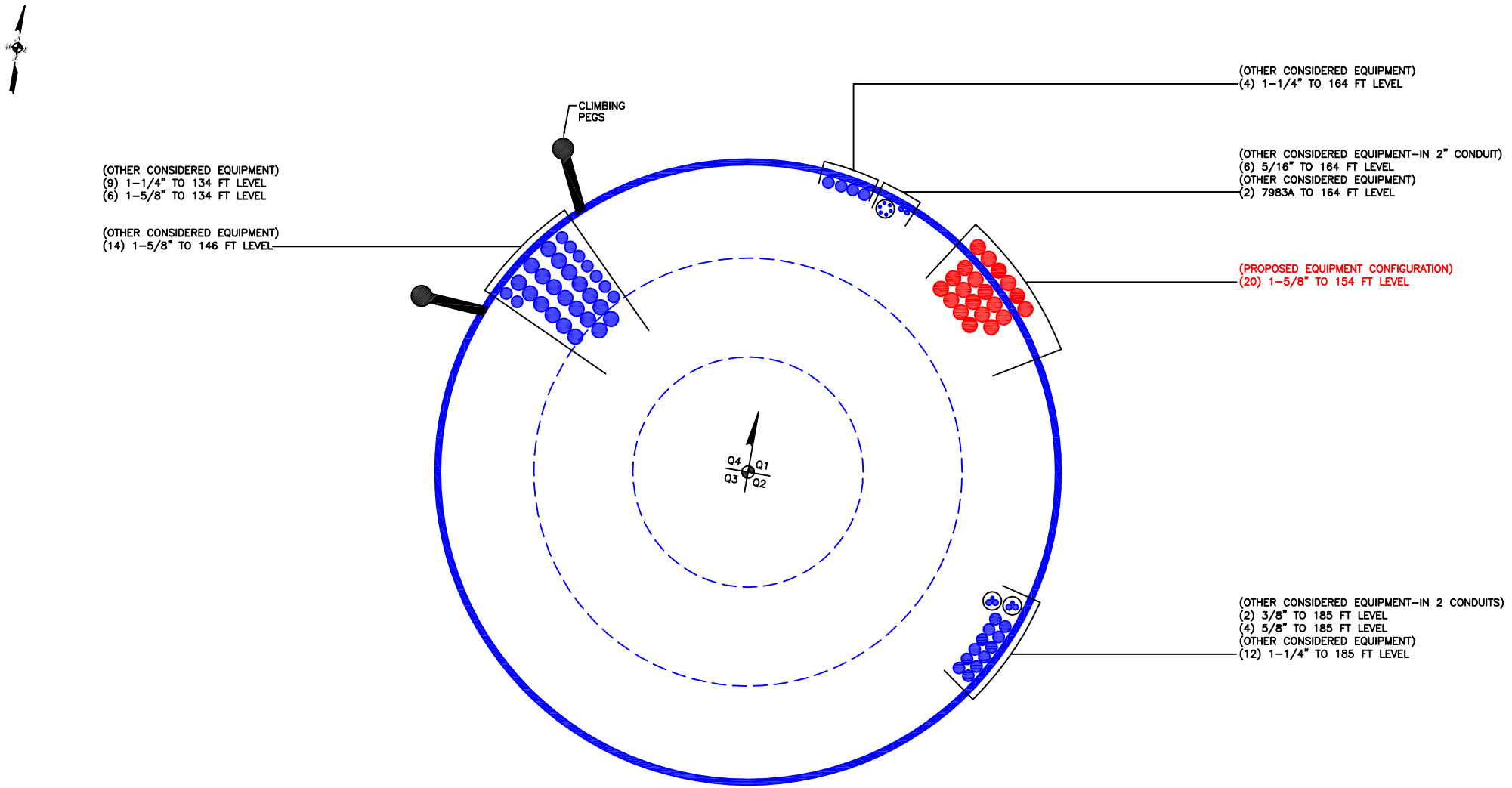
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	195 - 157.65 (1)	0.008	0.216	0.000	0.037	0.001	0.225	1.050	4.8.2
L2	157.65 - 117.08 (2)	0.012	0.537	0.000	0.044	0.000	0.551	1.050	4.8.2
L3	117.08 - 81.09 (3)	0.012	0.612	0.000	0.034	0.000	0.625	1.050	4.8.2
L4	81.09 - 40.03 (4)	0.011	0.515	0.000	0.024	0.000	0.527	1.050	4.8.2
L5	40.03 - 0 (5)	0.014	0.590	0.000	0.023	0.000	0.604	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	195 - 157.65	Pole	TP33.875x25x0.25	1	-11.80	1584.12	21.5	Pass
L2	157.65 - 117.08	Pole	TP42.9063x32.2511x0.3125	2	-28.36	2511.09	52.4	Pass
L3	117.08 - 81.09	Pole	TP50.75x40.9029x0.375	3	-39.76	3565.31	59.5	Pass
L4	81.09 - 40.03	Pole	TP59.6563x48.3906x0.5	4	-58.33	5584.37	50.1	Pass
L5	40.03 - 0	Pole	TP68x56.7865x0.5	5	-84.70	6580.00	57.5	Pass
							Summary	
						Pole (L3)	59.5	Pass
						RATING =	**59.5**	**Pass**

APPENDIX B

BASE LEVEL DRAWING


(OTHER CONSIDERED EQUIPMENT)
(4) 1-1/4" TO 164 FT LEVEL
CLIMBING PEGS
(OTHER CONSIDERED EQUIPMENT)
(9) 1-1/4" TO 134 FT LEVEL
(6) 1-5/8" TO 134 FT LEVEL
(OTHER CONSIDERED EQUIPMENT-IN 2" CONDUIT)
(6) 5/16" TO 164 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(2) 7983A TO 164 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(14) 1-5/8" TO 146 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION)
(20) 1-5/8" TO 154 FT LEVEL
Q4
Q1
Q3
Q2
(OTHER CONSIDERED EQUIPMENT-IN 2 CONDUITS)
(2) 3/8" TO 185 FT LEVEL
(4) 5/8" TO 185 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(12) 1-1/4" TO 185 FT LEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 322.51 ft (NAVD 88)
Latitude: 41.273281
Longitude: -73.213106

Wind

Results:

Wind Speed:	121 Vmph	Vu = 125 mph as per Jurisdictional Requirements
10-year MRI	76 Vmph	
25-year MRI	86 Vmph	
50-year MRI	92 Vmph	
100-year MRI	99 Vmph	

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

Date Accessed: Fri Apr 30 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.

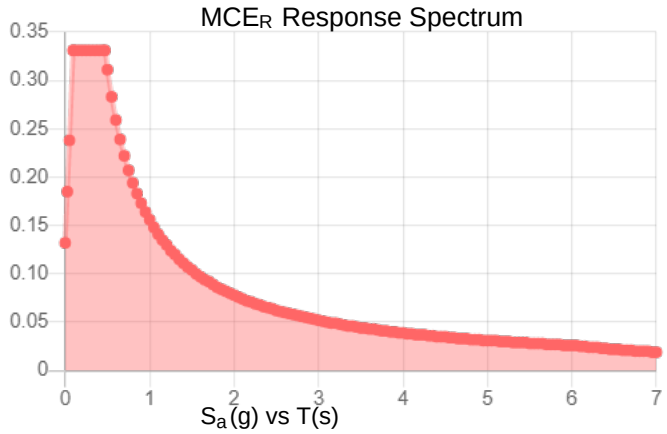
Seismic

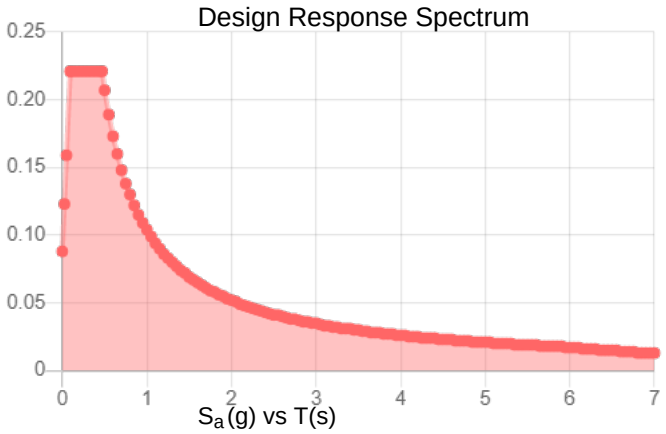
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.207	S_{DS} :	0.221
S_1 :	0.065	S_{D1} :	0.104
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.112
S_{MS} :	0.331	PGA_M :	0.176
S_{M1} :	0.156	F_{PGA} :	1.577
		I_e :	1

Seismic Design Category B





Data Accessed: Fri Apr 30 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.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Fri Apr 30 2021

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

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

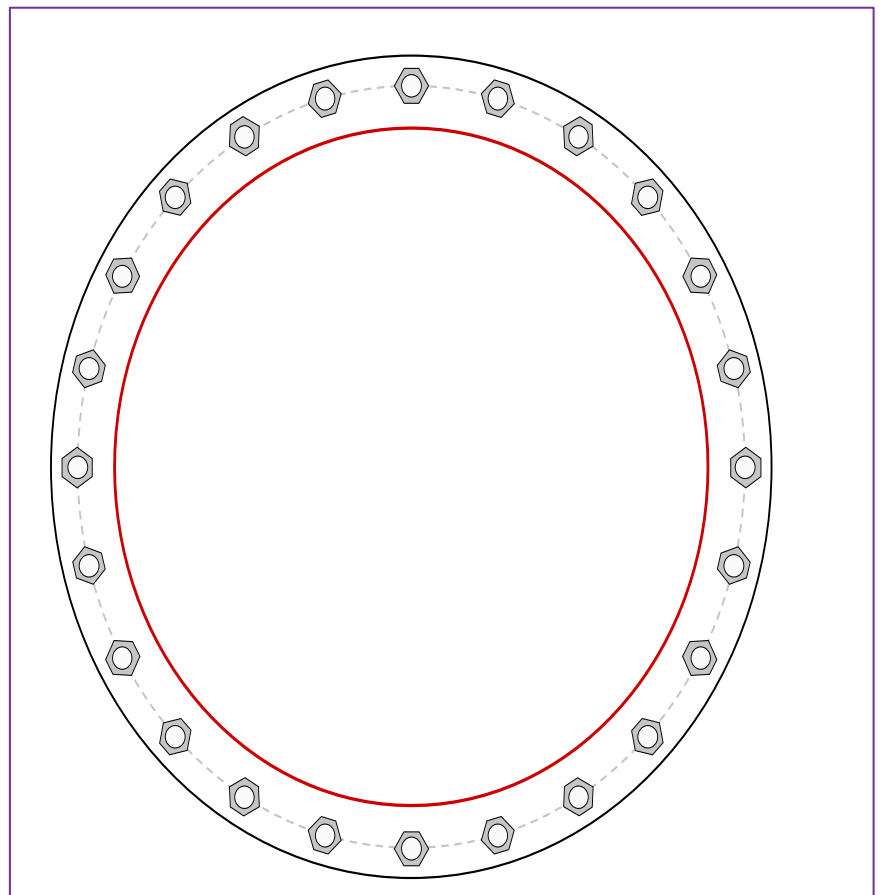
Monopole Base Plate Connection

Site Info	
BU #	881535
Site Name	Trumbull Tower
Order #	552698 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	2

Applied Loads	
Moment (kip-ft)	5865.00
Axial Force (kips)	85.00
Shear Force (kips)	43.00

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(24) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 76.5" BC

Base Plate Data

82.5" OD x 2.5" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

N/A

Pole Data

68" x 0.5" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

Pu_t = 149.74	ϕPn_t = 243.75	**Stress Rating**
Vu = 1.79	ϕVn = 149.1	**58.5%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	29.38	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**51.8%**	**Pass**

Pier and Pad Foundation

BU # :	881535
Site Name:	Trumbull Tower
App. Number:	552698 Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions

Compression, P_{comp}:	85	kips
Base Shear, Vu_comp:	43	kips
Moment, M_u:	5865	ft-kips
Tower Height, **H**:	195	ft
BP Dist. Above Fdn, bp_{dist}:	4.25	in

Pier Properties

Pier Shape:	Square	
Pier Diameter, **dpier**:	9	ft
Ext. Above Grade, **E**:	1	ft
Pier Rebar Size, **Sc**:	8	
Pier Rebar Quantity, **mc**:	54	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	10	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties

Depth, **D**:	7	ft
Pad Width, W_1:	29	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Top dir.2), Sp_{top2}:	8	
Pad Rebar Quantity (Top dir. 2), mp_{top2}:	30	
Pad Rebar Size (Bottom dir. 2), Sp_2:	8	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	55	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties

Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	4	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties

Total Soil Unit Weight, γ:	120	pcf
Ultimate Gross Bearing, Qult:	12.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N_{blows}:	60	
Base Friction, μ:	0.6	
Neglected Depth, **N**:	3.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	15	ft

<--Toggle between Gross and Net

Foundation Analysis Checks

	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	488.06	43.00	**8.4%**	**Pass**
Bearing Pressure (ksf)	9.00	2.39	**26.6%**	**Pass**
*Overturning (kip*ft)*	10281.54	6224.23	**60.5%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	9305.48	6080.00	**62.2%**	**Pass**
Pier Compression (kip)	51554.88	157.90	**0.3%**	**Pass**
*Pad Flexure (kip*ft)*	5943.63	2095.53	**33.6%**	**Pass**
Pad Shear - 1-way (kips)	1039.95	298.58	**27.3%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.043	**21.7%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	5714.52	3648.00	**60.8%**	**Pass**

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

Soil Rating*:	**60.5%**
Structural Rating*:	**62.2%**

Version 4.0.1

Exhibit E

Mount Analysis

Maser Consulting Connecticut
1055 Washington Boulevard
Stamford, CT 06901
203.324.0800
peter.albano@colliersengineering.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10117735
Maser Consulting Connecticut Project #: 21777056A

November 19, 2021

Site Information	*Site ID:*	*467579-VZW / TRUMBULL 3 CT*
	Site Name:	*TRUMBULL 3 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*307 Indian Park Dr.* *Trumbull, Connecticut 06611* *Fairfield County*
	Latitude:	*41.273297°*
	Longitude:	*-73.213106°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 16231867

Analysis Results

Platform: **82.0% 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 also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Cody Sherman

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 324987, dated May 24, 2021*
Mount Mapping Report	*Hudson Design Group LLC., Site ID: 467579, dated March 08, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut Project #: 21777056A, dated April 29, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut Project #: 21777056A, dated November 19, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	118 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.988
Seismic Parameters:	S_S:	0.211
	S_1:	0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
154.50	155.00	6	Commscope	JAHH-65B-R3B	Added
		3	Samsung	MT6407-77A	
		3	Commscope	CBC78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		2	Antel	LPA-4016	Retained
		4	Decibel	DB844G65A-XY	
		1	Raycap	RHSDC-6627-PF-48*	

* Equipment to be flush mounted directly to the Monopole. They are not mounted on mounts and are not included in this mount analysis.

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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
Propose Support Rail	*12.0%*	*Pass*
Proposed Support Rail Angle	*14.0%*	*Pass*
Face Horizontal	*67.0%*	*Pass*
Cross Brace	*58.0%*	*Pass*
Corner Plate	*2.0%*	*Pass*
Standoff Horizontal	*20.0%*	*Pass*
Ladder Rail	*27.0%*	*Pass*
Ladder Rung	*10.0%*	*Pass*
Mount Pipe	*23.0%*	*Pass*
Platform Plate	*82.0%*	*Pass*
Mount Connection	*51.5%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**82.0%**

Recommendation:

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

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

Attachments:

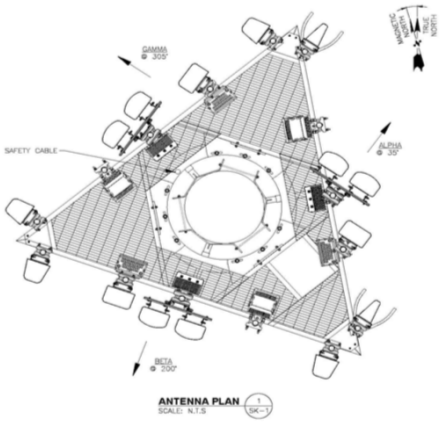
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required PMI Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter

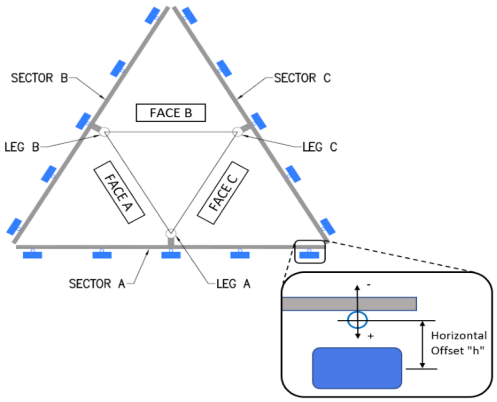
V3.0 Updated on 8-31-2020

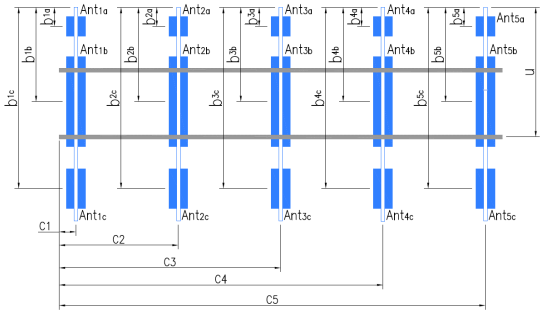
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
None

Tower Owner:	Crown Castle	**Mapping Date:**	3/8/2021
Site Name:	Trumbull 3 CT	**Tower Type:**	MONOPOLE
Site Number or ID:	467579	**Tower Height (Ft.):**	180' (est.)
Mapping Contractor:	HUDSON DESIGN GROUP LLC,	**Mount Elevation (Ft.):**	155.5







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	PIPE 2" STD X 102" LONG	52.00	12.00	C1	PIPE 2" STD X 102" LONG	52.00	12.00
A2	PIPE 2" STD X 102" LONG	52.00	45.50	C2	PIPE 2" STD X 102" LONG	52.00	45.50
A3	PIPE 2 1/2" STD X 96" LONG	52.00	77.50	C3	PIPE 2 1/2" STD X 96" LONG	52.00	77.50
A4	PIPE 2" STD X 102" LONG	52.00	102.00	C4	PIPE 2" STD X 102" LONG	52.00	102.00
A5	PIPE 2" STD X 102" LONG	52.00	138.00	C5	PIPE 2" STD X 102" LONG	52.00	138.00
A6				C6			
B1	PIPE 2" STD X 102" LONG	52.00	12.00	D1			
B2	PIPE 2" STD X 102" LONG	52.00	45.50	D2			
B3	PIPE 2 1/2" STD X 96" LONG	52.00	77.50	D3			
B4	PIPE 2" STD X 102" LONG	52.00	102.00	D4			
B5	PIPE 2" STD X 102" LONG	52.00	138.00	D5			
B6				D6			

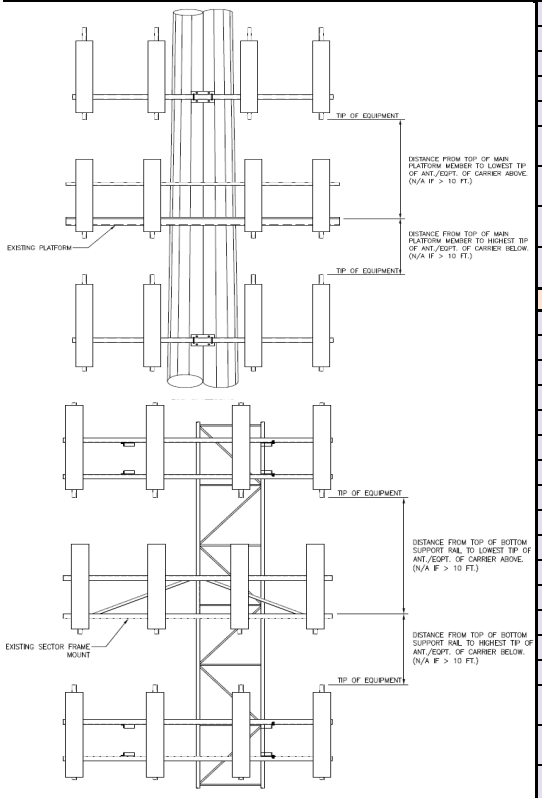
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	18.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	4
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	5
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.):	32 1/2

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	LPA-4016CF-EDIN	6.00	10.00	48.00	1-5/8" (18	154.833	42.00	12.00	35.00	60
Ant_{1c}										
Ant_{2a}	B66a RRH 4x45	12.00	7.00	25.50		157.417	11.00	-6.50		61
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	B13 RRH4x30	12.00	7.50	20.50		156.083	27.00	-6.00		62
Ant_{3b}	(2) NHH-65B-R2B	12.00	7.50	72.00		155.333	36.00	10.50	35.00	62
Ant_{3c}										
Ant_{4a}	B25 RRH4x30	12.00	7.00	21.00		157.458	10.50	-6.50		62
Ant_{4b}	SBNHH-1D65B	12.00	7.50	72.00		154.458	46.50	8.00	35.00	62
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	LPA-4016CF-EDIN	6.50	8.00	48.00		154.833	42.00	12.00	35.00	63
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:	80.00	Deg	Leg A:		Deg
Sector B:	200.00	Deg	Leg B:		Deg
Sector C:	320.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	Deg	310 Degree
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	PANEL ANTENNA	10.00	9.00	48.00		154.917	41.00	8.00	200.00	64
Ant_{1c}										
Ant_{2a}	B66a RRH 4x45	12.00	7.00	25.50		157.417	11.00	-6.50		64
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	B13 RRH4x30	12.00	7.50	20.50		155.667	32.00	-6.00		65
Ant_{3b}	(2) NHH-65B-R2B	12.00	7.50	72.00		155.333	36.00	10.50	200.00	65
Ant_{3c}										
Ant_{4a}	B25 RRH4x30	12.00	7.00	21.00		157.458	10.50	-6.50		66
Ant_{4b}	SBNHH-1D65B	12.00	7.50	72.00		154.458	46.50	8.00	200.00	66
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	PANEL ANTENNA	10.00	9.00	48.00		154.917	41.00	8.00	200.00	67
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-48	15.00	10.00	28.00	1.25"H (2)	156.333	24.00	6.00		76
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	PANEL ANTENNA	10.00	9.00	48.00		154.917	41.00	8.00	305.00	68
Ant_{1c}										
Ant_{2a}	B66a RRH 4x45	12.00	7.00	25.50		157.417	11.00	-6.50		69
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	B13 RRH4x30	12.00	7.50	20.50		156.083	27.00	-6.00		70
Ant_{3b}	(2) NHH-65B-R2B	12.00	7.50	72.00		155.333	36.00	10.50	305.00	70
Ant_{3c}										
Ant_{4a}	B25 RRH4x30	12.00	7.00	21.00		157.458	10.50	-6.50		71
Ant_{4b}	SBNHH-1D65B	12.00	7.50	72.00		154.458	46.50	8.00	305.00	71
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	PANEL ANTENNA	10.00	9.00	48.00		154.917	41.00	8.00	305.00	194
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	(18) 1-5/8" COAX, (2) 1-1/4" HYBRID	12
2		
3		
4		
5		
6		
7		
8		

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

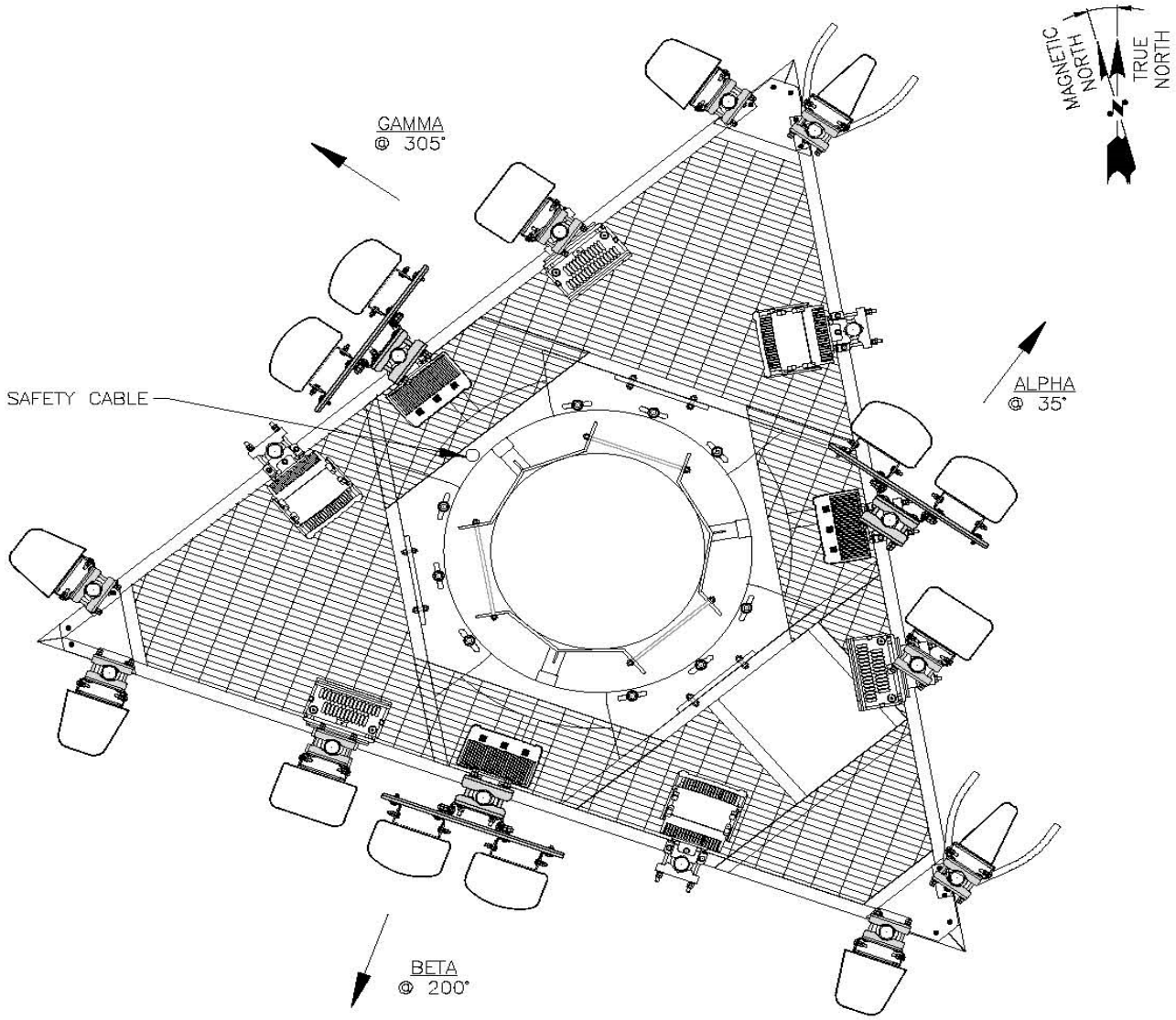
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

Antenna Mount Mapping Form (PATENT PENDING)

FCC #
None

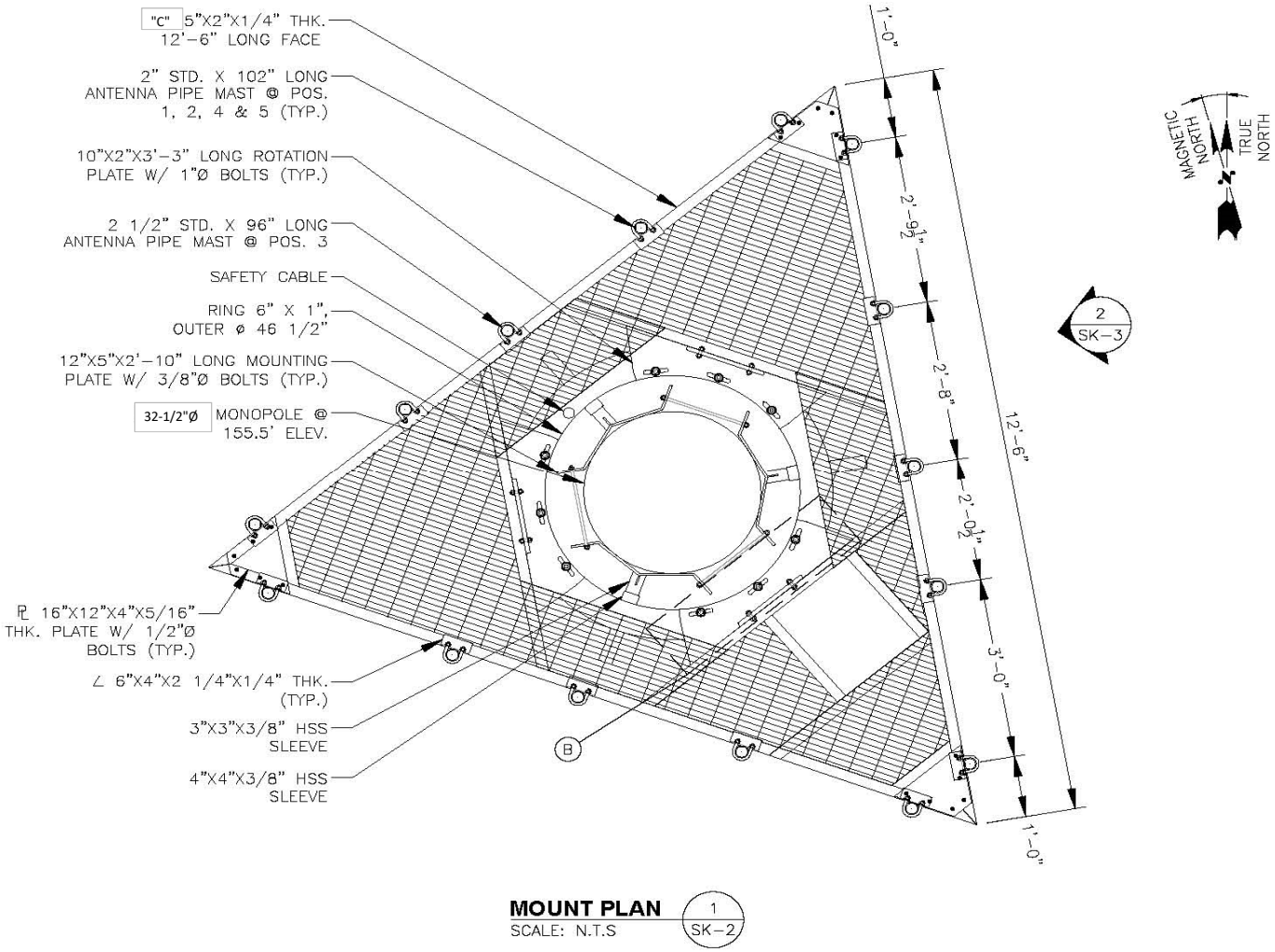
Tower Owner:	Crown Castle	**Mapping Date:**	3/8/2021
Site Name:	Trumbull 3 CT	**Tower Type:**	MONOPOLE
Site Number or ID:	467579	**Tower Height (Ft.):**	180' (est.)
Mapping Contractor:	HUDSON DESIGN GROUP LLC,	**Mount Elevation (Ft.):**	155.5

Please Insert Sketches of the Antenna Mount



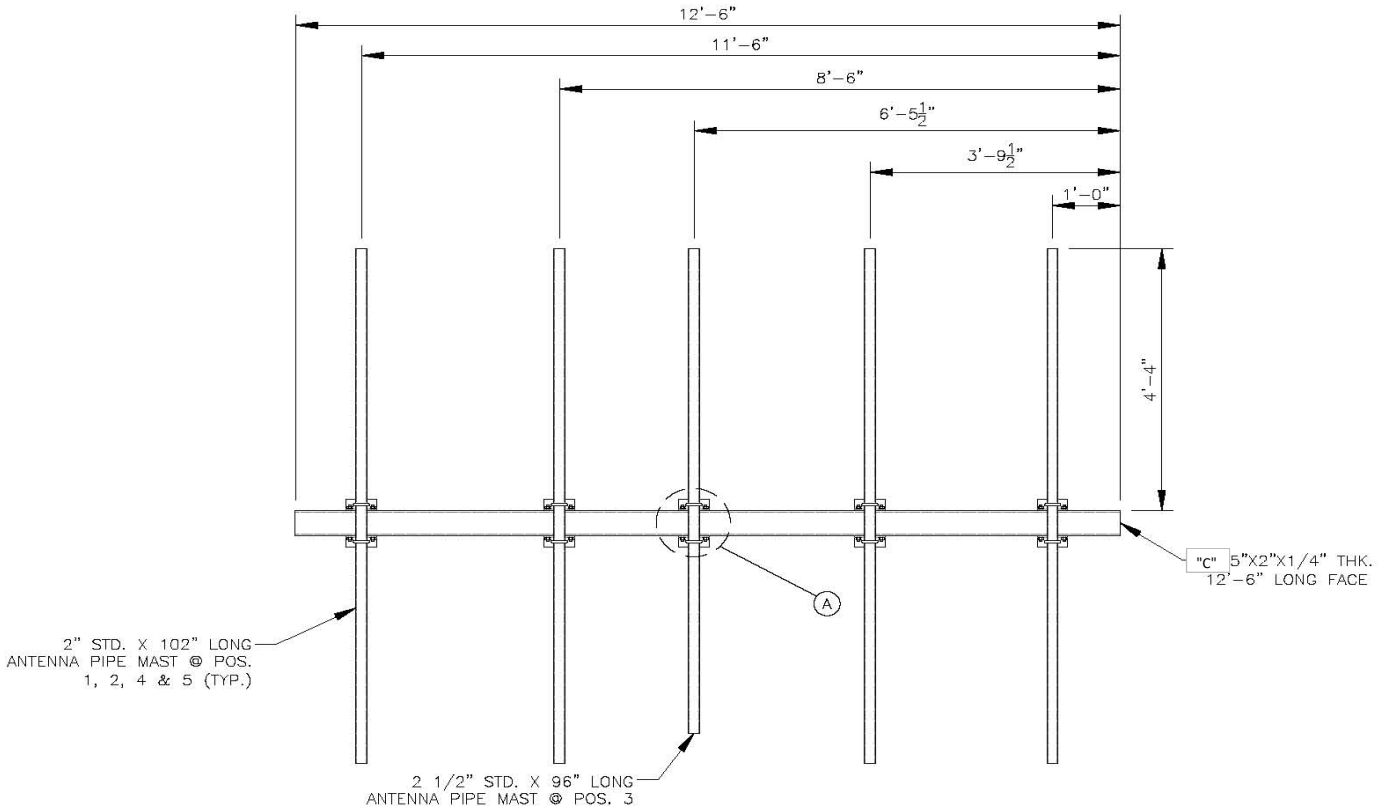
ANTENNA PLAN (1 / SK−1)
SCALE: N.T.S

Please Insert Sketches of the Antenna Mount, cont'd

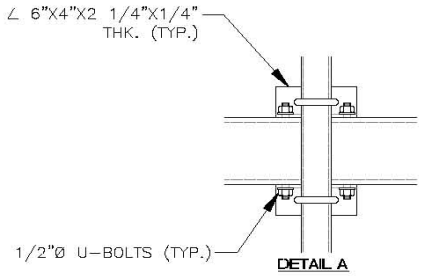


MOUNT PLAN (1 / SK-2)
SCALE: N.T.S

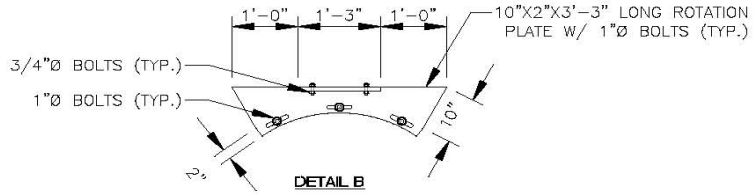
Please Insert Sketches of the Antenna Mount, cont'd



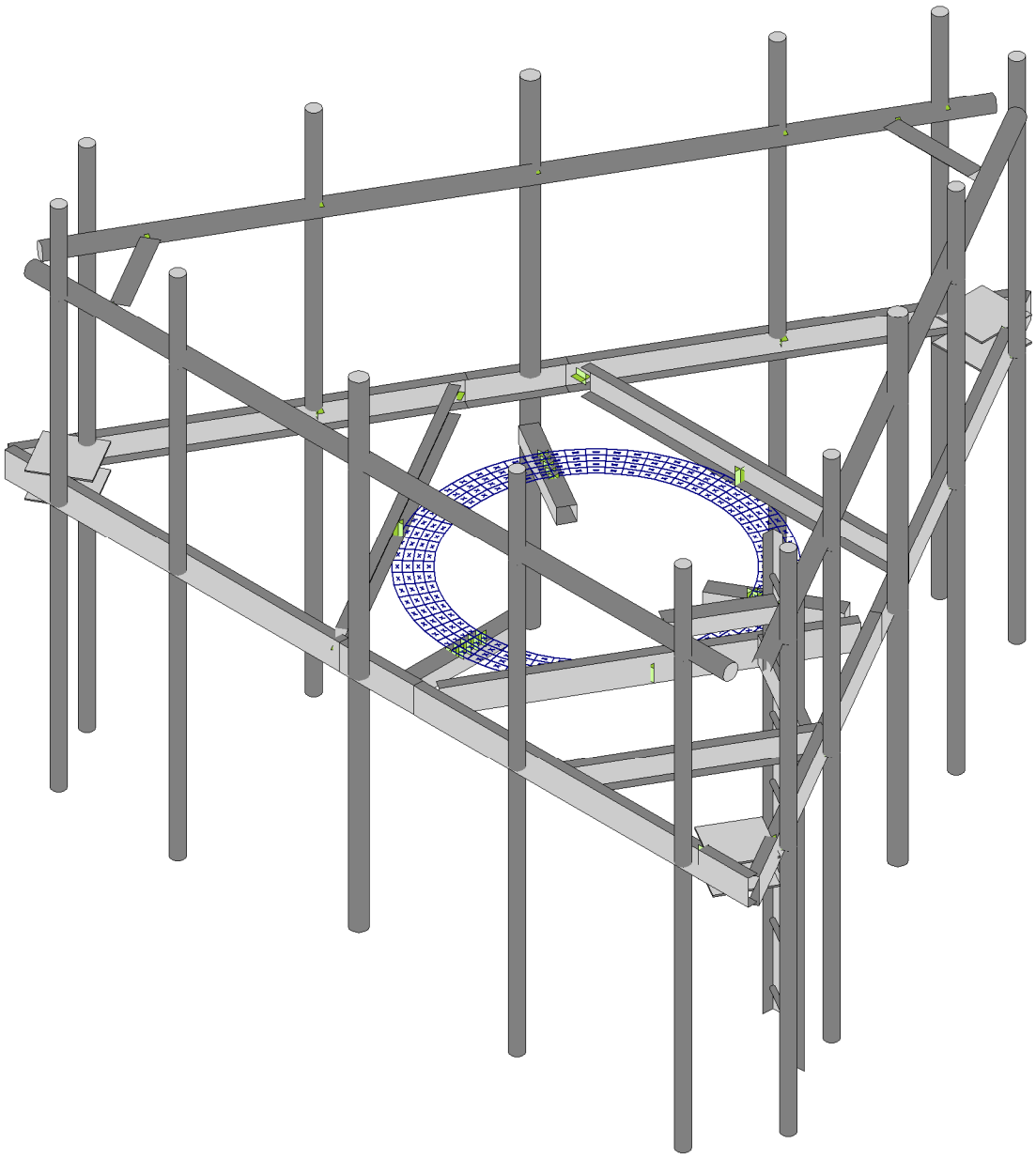
MOUNT FACE ELEVATION VIEW 2 / SK-3
SCALE: N.T.S



DETAIL A

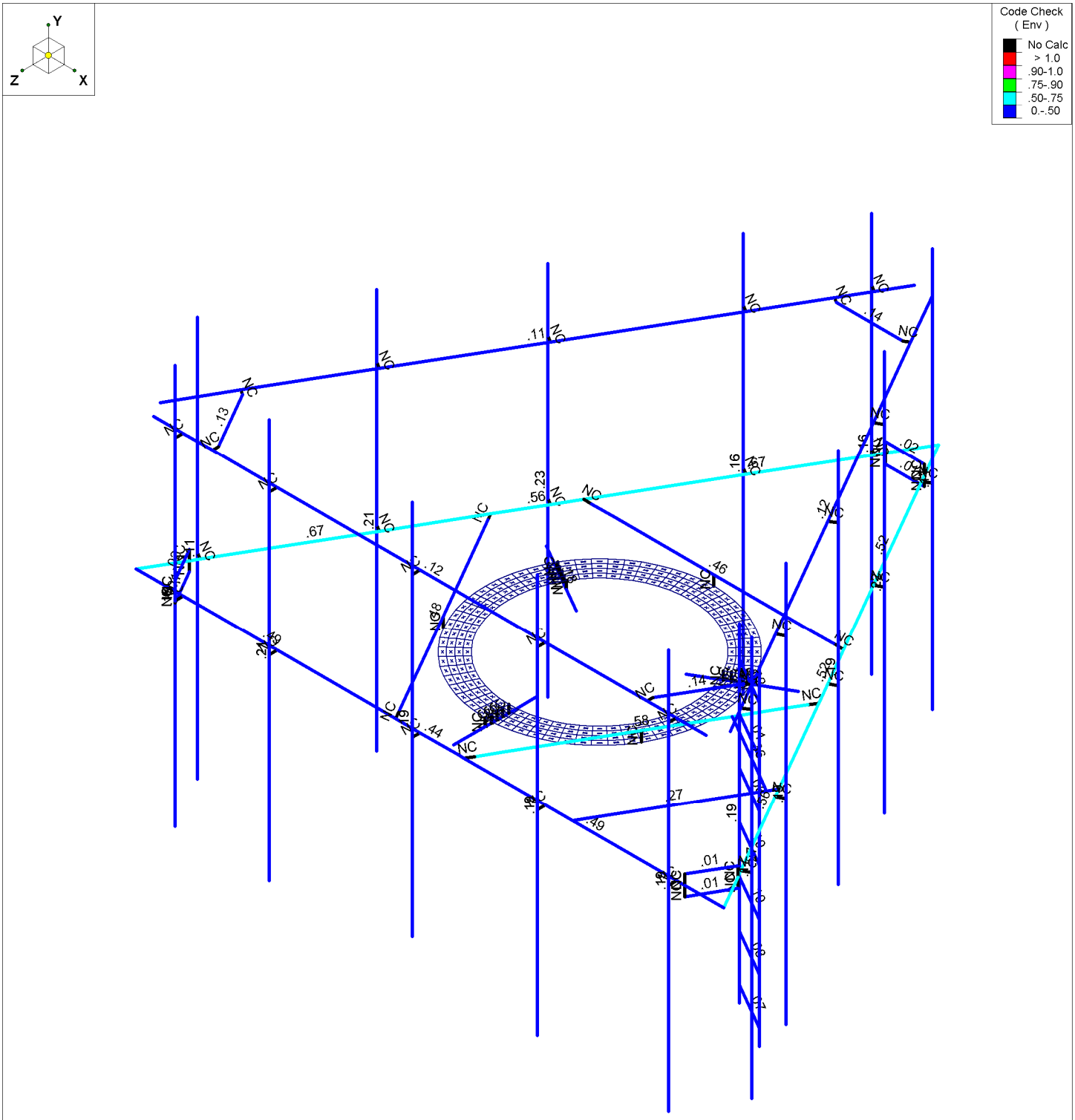


DETAIL B



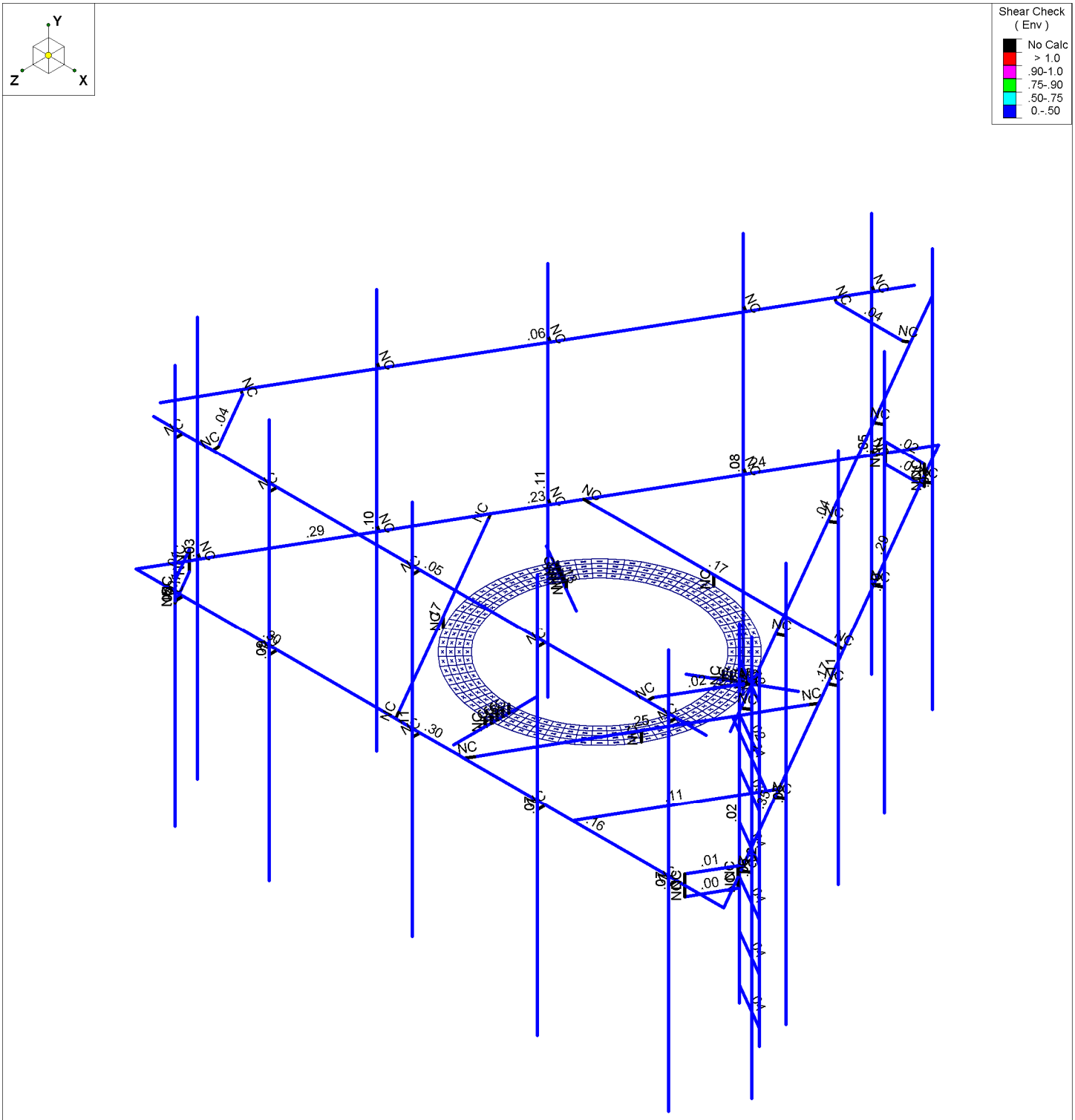
Envelope Only Solution

Maser Consulting	467579-VZW_MT_LO_H	SK - 1
		Nov 18, 2021 at 6:42 PM
Project No. 10117735		467579-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	467579-VZW_MT_LO_H	SK - 2
		Nov 18, 2021 at 6:42 PM
Project No. 10117735		467579-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	467579-VZW_MT_LO_H	SK - 3
		Nov 18, 2021 at 6:42 PM
Project No. 10117735		467579-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					117			
2	Antenna Di	None					117			
3	Antenna Wo (0 Deg)	None					117			
4	Antenna Wo (30 Deg)	None					117			
5	Antenna Wo (60 Deg)	None					117			
6	Antenna Wo (90 Deg)	None					117			
7	Antenna Wo (120 Deg)	None					117			
8	Antenna Wo (150 Deg)	None					117			
9	Antenna Wo (180 Deg)	None					117			
10	Antenna Wo (210 Deg)	None					117			
11	Antenna Wo (240 Deg)	None					117			
12	Antenna Wo (270 Deg)	None					117			
13	Antenna Wo (300 Deg)	None					117			
14	Antenna Wo (330 Deg)	None					117			
15	Antenna Wi (0 Deg)	None					117			
16	Antenna Wi (30 Deg)	None					117			
17	Antenna Wi (60 Deg)	None					117			
18	Antenna Wi (90 Deg)	None					117			
19	Antenna Wi (120 Deg)	None					117			
20	Antenna Wi (150 Deg)	None					117			
21	Antenna Wi (180 Deg)	None					117			
22	Antenna Wi (210 Deg)	None					117			
23	Antenna Wi (240 Deg)	None					117			
24	Antenna Wi (270 Deg)	None					117			
25	Antenna Wi (300 Deg)	None					117			
26	Antenna Wi (330 Deg)	None					117			
27	Antenna Wm (0 Deg)	None					117			
28	Antenna Wm (30 Deg)	None					117			
29	Antenna Wm (60 Deg)	None					117			
30	Antenna Wm (90 Deg)	None					117			
31	Antenna Wm (120 Deg)	None					117			
32	Antenna Wm (150 Deg)	None					117			
33	Antenna Wm (180 Deg)	None					117			
34	Antenna Wm (210 Deg)	None					117			
35	Antenna Wm (240 Deg)	None					117			
36	Antenna Wm (270 Deg)	None					117			
37	Antenna Wm (300 Deg)	None					117			
38	Antenna Wm (330 Deg)	None					117			
39	Structure D	None		-1					8	
40	Structure Di	None						53	8	
41	Structure Wo (0 Deg)	None						106		
42	Structure Wo (30 Deg)	None						106		
43	Structure Wo (60 Deg)	None						106		
44	Structure Wo (90 Deg)	None						106		
45	Structure Wo (120 D...	None						106		
46	Structure Wo (150 D...	None						106		
47	Structure Wo (180 D...	None						106		
48	Structure Wo (210 D...	None						106		
49	Structure Wo (240 D...	None						106		
50	Structure Wo (270 D...	None						106		
51	Structure Wo (300 D...	None						106		
52	Structure Wo (330 D...	None						106		
53	Structure Wi (0 Deg)	None						106		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
54	Structure Wi (30 Deg)	None						106		
55	Structure Wi (60 Deg)	None						106		
56	Structure Wi (90 Deg)	None						106		
57	Structure Wi (120 De...	None						106		
58	Structure Wi (150 De...	None						106		
59	Structure Wi (180 De...	None						106		
60	Structure Wi (210 De...	None						106		
61	Structure Wi (240 De...	None						106		
62	Structure Wi (270 De...	None						106		
63	Structure Wi (300 De...	None						106		
64	Structure Wi (330 De...	None						106		
65	Structure Wm (0 Deg)	None						106		
66	Structure Wm (30 De...	None						106		
67	Structure Wm (60 De...	None						106		
68	Structure Wm (90 De...	None						106		
69	Structure Wm (120 D...	None						106		
70	Structure Wm (150 D...	None						106		
71	Structure Wm (180 D...	None						106		
72	Structure Wm (210 D...	None						106		
73	Structure Wm (240 D...	None						106		
74	Structure Wm (270 D...	None						106		
75	Structure Wm (300 D...	None						106		
76	Structure Wm (330 D...	None						106		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					117			
82	Antenna Eh (0 Deg)	None					78			
83	Antenna Eh (90 Deg)	None					78			
84	Structure Ev	ELY								
85	Structure Eh (0 Deg)	ELZ	-.03							
86	Structure Eh (90 Deg)	ELX			.03					
87	BLC 39 Transient Are...	None						87		
88	BLC 40 Transient Are...	None						87		

Load Combinations

	Description	Solve	PDe...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0 ...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (6...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (9...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (3...	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								

Load Combinations (Continued)

	Description	Solve	PDe...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
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 + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0Ev + ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0Ev + ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0Ev + ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0Ev + ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0Ev + ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0Ev + ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0Ev + ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0Ev + ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0Ev + ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0Ev + ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0Ev + ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0Ev + ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0Ev + ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0Ev + ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0Ev + ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0Ev + ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0Ev + ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0Ev + ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0Ev + ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0Ev + ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0Ev + ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0Ev + ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				

Load Combinations (Continued)

	Description	Solve	PDe...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
75	0.9D - 1.0Ev + ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5		

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	N2	6.25	0	3.609935	0	
3	N3	-6.25	0	3.609935	0	
4	N4	0.723362	0	3.609935	0	
5	N5	-0.72344	0	3.609935	0	
6	N14	5.25	0	3.609935	0	
7	N15	5.25	0	3.776602	0	
8	N20	5.25	4.333333	3.776602	0	
9	N21	5.25	-4.166667	3.776602	0	
10	N24	2.764576	0	-2.431485	0	
11	N25	3.487954	0	-1.178479	0	
12	N44	-3.487993	0	-1.178411	0	
13	N45	-2.76453	0	-2.431485	0	
14	N59A	-2.597917	0	-2.431485	0	
15	N60A	2.597917	0	-2.431485	0	
16	N63	-0.806769	0	3.465604	0	
17	N64	-3.404686	0	-1.03412	0	
18	N67	3.404627	0	-1.034153	0	
19	N68	0.806711	0	3.46557	0	
20	N77	5.419257	0.208333	3.609935	0	
21	N78	5.835924	0.208333	2.888247	0	
22	N79	5.419257	0	3.609935	0	
23	N80	5.835924	0	2.888247	0	
24	N81	5.419257	-0.208333	3.609935	0	
25	N82	5.835924	-0.208333	2.888247	0	
26	N122	-0.	-0.208333	-2.18141	0	
27	N123	-1.889156	-0.208333	1.090705	0	
28	N124	1.889156	-0.208333	1.090705	0	
29	N125	0.	-0.208333	1.931417	0	
30	N126	0.201888	-0.208333	1.920836	0	
31	N127	0.401564	-0.208333	1.889211	0	
32	N128	0.596841	-0.208333	1.836886	0	
33	N129	0.785578	-0.208333	1.764437	0	
34	N130	0.965708	-0.208333	1.672656	0	
35	N131	1.135258	-0.208333	1.562549	0	
36	N132	1.29237	-0.208333	1.435322	0	
37	N133	1.435322	-0.208333	1.29237	0	
38	N134	1.562549	-0.208333	1.135258	0	
39	N135	1.672656	-0.208333	0.965708	0	
40	N136	1.764437	-0.208333	0.785578	0	
41	N137	1.836886	-0.208333	0.596841	0	
42	N138	1.889211	-0.208333	0.401564	0	
43	N139	1.920836	-0.208333	0.201888	0	
44	N140	1.931417	-0.208333	-0.	0	
45	N141	1.920836	-0.208333	-0.201888	0	
46	N142	1.889211	-0.208333	-0.401564	0	
47	N143	1.836886	-0.208333	-0.596841	0	
48	N144	1.764437	-0.208333	-0.785578	0	
49	N145	1.672656	-0.208333	-0.965708	0	
50	N146	1.562549	-0.208333	-1.135258	0	
51	N147	1.435322	-0.208333	-1.29237	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N148	1.29237	-0.208333	-1.435322	0	
53	N149	1.135258	-0.208333	-1.562549	0	
54	N150	0.965708	-0.208333	-1.672656	0	
55	N151	0.785578	-0.208333	-1.764437	0	
56	N152	0.596841	-0.208333	-1.836886	0	
57	N153	0.401564	-0.208333	-1.889211	0	
58	N154	0.201888	-0.208333	-1.920836	0	
59	N155	-0.	-0.208333	-1.931417	0	
60	N156	-0.201888	-0.208333	-1.920836	0	
61	N157	-0.401564	-0.208333	-1.889211	0	
62	N158	-0.596841	-0.208333	-1.836886	0	
63	N159	-0.785578	-0.208333	-1.764437	0	
64	N160	-0.965708	-0.208333	-1.672656	0	
65	N161	-1.135258	-0.208333	-1.562549	0	
66	N162	-1.29237	-0.208333	-1.435322	0	
67	N163	-1.435322	-0.208333	-1.29237	0	
68	N164	-1.562549	-0.208333	-1.135258	0	
69	N165	-1.672656	-0.208333	-0.965708	0	
70	N166	-1.764437	-0.208333	-0.785578	0	
71	N167	-1.836886	-0.208333	-0.596841	0	
72	N168	-1.889211	-0.208333	-0.401564	0	
73	N169	-1.920836	-0.208333	-0.201888	0	
74	N170	-1.931417	-0.208333	0.	0	
75	N171	-1.920836	-0.208333	0.201888	0	
76	N172	-1.889211	-0.208333	0.401564	0	
77	N173	-1.836886	-0.208333	0.596841	0	
78	N174	-1.764437	-0.208333	0.785578	0	
79	N175	-1.672656	-0.208333	0.965708	0	
80	N176	-1.562549	-0.208333	1.135258	0	
81	N177	-1.435322	-0.208333	1.29237	0	
82	N178	-1.29237	-0.208333	1.435322	0	
83	N179	-1.135258	-0.208333	1.562549	0	
84	N180	-0.965708	-0.208333	1.672656	0	
85	N181	-0.785578	-0.208333	1.764437	0	
86	N182	-0.596841	-0.208333	1.836886	0	
87	N183	-0.401564	-0.208333	1.889211	0	
88	N184	-0.201888	-0.208333	1.920836	0	
89	N186	0.	-0.208333	2.056417	0	
90	N187	0.214954	-0.208333	2.045151	0	
91	N188	0.427553	-0.208333	2.011479	0	
92	N189	0.635468	-0.208333	1.955768	0	
93	N190	0.83642	-0.208333	1.87863	0	
94	N191	1.028208	-0.208333	1.780909	0	
95	N192	1.208731	-0.208333	1.663676	0	
96	N193	1.376011	-0.208333	1.528215	0	
97	N194	1.528215	-0.208333	1.376011	0	
98	N195	1.663676	-0.208333	1.208731	0	
99	N196	1.780909	-0.208333	1.028208	0	
100	N197	1.87863	-0.208333	0.83642	0	
101	N198	1.955768	-0.208333	0.635468	0	
102	N199	2.011479	-0.208333	0.427553	0	
103	N200	2.045151	-0.208333	0.214954	0	
104	N201	2.056417	-0.208333	-0.	0	
105	N202	2.045151	-0.208333	-0.214954	0	
106	N203	2.011479	-0.208333	-0.427553	0	
107	N204	1.955768	-0.208333	-0.635468	0	
108	N205	1.87863	-0.208333	-0.83642	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
109	N206	1.780909	-0.208333	-1.028208	0	
110	N207	1.663676	-0.208333	-1.208731	0	
111	N208	1.528215	-0.208333	-1.376011	0	
112	N209	1.376011	-0.208333	-1.528215	0	
113	N210	1.208731	-0.208333	-1.663676	0	
114	N211	1.028208	-0.208333	-1.780909	0	
115	N212	0.83642	-0.208333	-1.87863	0	
116	N213	0.635468	-0.208333	-1.955768	0	
117	N214	0.427553	-0.208333	-2.011479	0	
118	N215	0.214954	-0.208333	-2.045151	0	
119	N216	-0.	-0.208333	-2.056417	0	
120	N217	-0.214954	-0.208333	-2.045151	0	
121	N218	-0.427553	-0.208333	-2.011479	0	
122	N219	-0.635468	-0.208333	-1.955768	0	
123	N220	-0.83642	-0.208333	-1.87863	0	
124	N221	-1.028208	-0.208333	-1.780909	0	
125	N222	-1.208731	-0.208333	-1.663676	0	
126	N223	-1.376011	-0.208333	-1.528215	0	
127	N224	-1.528215	-0.208333	-1.376011	0	
128	N225	-1.663676	-0.208333	-1.208731	0	
129	N226	-1.780909	-0.208333	-1.028208	0	
130	N227	-1.87863	-0.208333	-0.83642	0	
131	N228	-1.955768	-0.208333	-0.635468	0	
132	N229	-2.011479	-0.208333	-0.427553	0	
133	N230	-2.045151	-0.208333	-0.214954	0	
134	N231	-2.056417	-0.208333	0.	0	
135	N232	-2.045151	-0.208333	0.214954	0	
136	N233	-2.011479	-0.208333	0.427553	0	
137	N234	-1.955768	-0.208333	0.635468	0	
138	N235	-1.87863	-0.208333	0.83642	0	
139	N236	-1.780909	-0.208333	1.028208	0	
140	N237	-1.663676	-0.208333	1.208731	0	
141	N238	-1.528215	-0.208333	1.376011	0	
142	N239	-1.376011	-0.208333	1.528215	0	
143	N240	-1.208731	-0.208333	1.663676	0	
144	N241	-1.028208	-0.208333	1.780909	0	
145	N242	-0.83642	-0.208333	1.87863	0	
146	N243	-0.635468	-0.208333	1.955768	0	
147	N244	-0.427553	-0.208333	2.011479	0	
148	N245	-0.214954	-0.208333	2.045151	0	
149	N247	0.	-0.208333	2.181417	0	
150	N248	0.22802	-0.208333	2.169467	0	
151	N249	0.453542	-0.208333	2.133747	0	
152	N250	0.674095	-0.208333	2.074651	0	
153	N251	0.887262	-0.208333	1.992823	0	
154	N252	1.090708	-0.208333	1.889162	0	
155	N253	1.282205	-0.208333	1.764803	0	
156	N254	1.459653	-0.208333	1.621109	0	
157	N255	1.621109	-0.208333	1.459653	0	
158	N256	1.764803	-0.208333	1.282205	0	
159	N258	1.992823	-0.208333	0.887262	0	
160	N259	2.074651	-0.208333	0.674095	0	
161	N260	2.133747	-0.208333	0.453542	0	
162	N261	2.169467	-0.208333	0.22802	0	
163	N262	2.181417	-0.208333	-0.	0	
164	N263	2.169467	-0.208333	-0.22802	0	
165	N264	2.133747	-0.208333	-0.453542	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
166	N265	2.074651	-0.208333	-0.674095	0	
167	N266	1.992823	-0.208333	-0.887262	0	
168	N267	1.889162	-0.208333	-1.090708	0	
169	N268	1.764803	-0.208333	-1.282205	0	
170	N269	1.621109	-0.208333	-1.459653	0	
171	N270	1.459653	-0.208333	-1.621109	0	
172	N271	1.282205	-0.208333	-1.764803	0	
173	N272	1.090708	-0.208333	-1.889162	0	
174	N273	0.887262	-0.208333	-1.992823	0	
175	N274	0.674095	-0.208333	-2.074651	0	
176	N275	0.453542	-0.208333	-2.133747	0	
177	N276	0.22802	-0.208333	-2.169467	0	
178	N278	-0.22802	-0.208333	-2.169467	0	
179	N279	-0.453542	-0.208333	-2.133747	0	
180	N280	-0.674095	-0.208333	-2.074651	0	
181	N281	-0.887262	-0.208333	-1.992823	0	
182	N282	-1.090708	-0.208333	-1.889162	0	
183	N283	-1.282205	-0.208333	-1.764803	0	
184	N284	-1.459653	-0.208333	-1.621109	0	
185	N285	-1.621109	-0.208333	-1.459653	0	
186	N286	-1.764803	-0.208333	-1.282205	0	
187	N287	-1.889162	-0.208333	-1.090708	0	
188	N288	-1.992823	-0.208333	-0.887262	0	
189	N289	-2.074651	-0.208333	-0.674095	0	
190	N290	-2.133747	-0.208333	-0.453542	0	
191	N291	-2.169467	-0.208333	-0.22802	0	
192	N292	-2.181417	-0.208333	0.	0	
193	N293	-2.169467	-0.208333	0.22802	0	
194	N294	-2.133747	-0.208333	0.453542	0	
195	N295	-2.074651	-0.208333	0.674095	0	
196	N296	-1.992823	-0.208333	0.887262	0	
197	N298	-1.764803	-0.208333	1.282205	0	
198	N299	-1.621109	-0.208333	1.459653	0	
199	N300	-1.459653	-0.208333	1.621109	0	
200	N301	-1.282205	-0.208333	1.764803	0	
201	N302	-1.090708	-0.208333	1.889162	0	
202	N303	-0.887262	-0.208333	1.992823	0	
203	N304	-0.674095	-0.208333	2.074651	0	
204	N305	-0.453542	-0.208333	2.133747	0	
205	N306	-0.22802	-0.208333	2.169467	0	
206	N308	0.	-0.208333	2.306417	0	
207	N309	0.241086	-0.208333	2.293782	0	
208	N310	0.479531	-0.208333	2.256016	0	
209	N311	0.712722	-0.208333	2.193533	0	
210	N312	0.938104	-0.208333	2.107016	0	
211	N313	1.153208	-0.208333	1.997415	0	
212	N314	1.355678	-0.208333	1.86593	0	
213	N315	1.543294	-0.208333	1.714002	0	
214	N316	1.714002	-0.208333	1.543294	0	
215	N317	1.86593	-0.208333	1.355678	0	
216	N318	1.997415	-0.208333	1.153208	0	
217	N319	2.107016	-0.208333	0.938104	0	
218	N320	2.193533	-0.208333	0.712722	0	
219	N321	2.256016	-0.208333	0.479531	0	
220	N322	2.293782	-0.208333	0.241086	0	
221	N323	2.306417	-0.208333	-0.	0	
222	N324	2.293782	-0.208333	-0.241086	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
223	N325	2.256016	-0.208333	-0.479531	0	
224	N326	2.193533	-0.208333	-0.712722	0	
225	N327	2.107016	-0.208333	-0.938104	0	
226	N328	1.997415	-0.208333	-1.153208	0	
227	N329	1.86593	-0.208333	-1.355678	0	
228	N330	1.714002	-0.208333	-1.543294	0	
229	N331	1.543294	-0.208333	-1.714002	0	
230	N332	1.355678	-0.208333	-1.86593	0	
231	N333	1.153208	-0.208333	-1.997415	0	
232	N334	0.938104	-0.208333	-2.107016	0	
233	N335	0.712722	-0.208333	-2.193533	0	
234	N336	0.479531	-0.208333	-2.256016	0	
235	N337	0.241086	-0.208333	-2.293782	0	
236	N338	-0.	-0.208333	-2.306417	0	
237	N339	-0.241086	-0.208333	-2.293782	0	
238	N340	-0.479531	-0.208333	-2.256016	0	
239	N341	-0.712722	-0.208333	-2.193533	0	
240	N342	-0.938104	-0.208333	-2.107016	0	
241	N343	-1.153208	-0.208333	-1.997415	0	
242	N344	-1.355678	-0.208333	-1.86593	0	
243	N345	-1.543294	-0.208333	-1.714002	0	
244	N346	-1.714002	-0.208333	-1.543294	0	
245	N347	-1.86593	-0.208333	-1.355678	0	
246	N348	-1.997415	-0.208333	-1.153208	0	
247	N349	-2.107016	-0.208333	-0.938104	0	
248	N350	-2.193533	-0.208333	-0.712722	0	
249	N351	-2.256016	-0.208333	-0.479531	0	
250	N352	-2.293782	-0.208333	-0.241086	0	
251	N353	-2.306417	-0.208333	0.	0	
252	N354	-2.293782	-0.208333	0.241086	0	
253	N355	-2.256016	-0.208333	0.479531	0	
254	N356	-2.193533	-0.208333	0.712722	0	
255	N357	-2.107016	-0.208333	0.938104	0	
256	N358	-1.997415	-0.208333	1.153208	0	
257	N359	-1.86593	-0.208333	1.355678	0	
258	N360	-1.714002	-0.208333	1.543294	0	
259	N361	-1.543294	-0.208333	1.714002	0	
260	N362	-1.355678	-0.208333	1.86593	0	
261	N363	-1.153208	-0.208333	1.997415	0	
262	N364	-0.938104	-0.208333	2.107016	0	
263	N365	-0.712722	-0.208333	2.193533	0	
264	N366	-0.479531	-0.208333	2.256016	0	
265	N367	-0.241086	-0.208333	2.293782	0	
266	N369	0.	-0.208333	2.431417	0	
267	N370	0.254152	-0.208333	2.418097	0	
268	N371	0.50552	-0.208333	2.378284	0	
269	N372	0.751349	-0.208333	2.312415	0	
270	N373	0.988946	-0.208333	2.22121	0	
271	N374	1.215708	-0.208333	2.105669	0	
272	N375	1.429151	-0.208333	1.967057	0	
273	N376	1.626935	-0.208333	1.806895	0	
274	N377	1.806895	-0.208333	1.626935	0	
275	N378	1.967057	-0.208333	1.429151	0	
276	N379	2.105669	-0.208333	1.215708	0	
277	N380	2.22121	-0.208333	0.988946	0	
278	N381	2.312415	-0.208333	0.751349	0	
279	N382	2.378284	-0.208333	0.50552	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
280	N383	2.418097	-0.208333	0.254152	0	
281	N384	2.431417	-0.208333	-0.	0	
282	N385	2.418097	-0.208333	-0.254152	0	
283	N386	2.378284	-0.208333	-0.50552	0	
284	N387	2.312415	-0.208333	-0.751349	0	
285	N388	2.22121	-0.208333	-0.988946	0	
286	N389	2.105669	-0.208333	-1.215708	0	
287	N390	1.967057	-0.208333	-1.429151	0	
288	N391	1.806895	-0.208333	-1.626935	0	
289	N392	1.626935	-0.208333	-1.806895	0	
290	N393	1.429151	-0.208333	-1.967057	0	
291	N394	1.215708	-0.208333	-2.105669	0	
292	N395	0.988946	-0.208333	-2.22121	0	
293	N396	0.751349	-0.208333	-2.312415	0	
294	N397	0.50552	-0.208333	-2.378284	0	
295	N398	0.254152	-0.208333	-2.418097	0	
296	N399	-0.	-0.208333	-2.431417	0	
297	N400	-0.254152	-0.208333	-2.418097	0	
298	N401	-0.50552	-0.208333	-2.378284	0	
299	N402	-0.751349	-0.208333	-2.312415	0	
300	N403	-0.988946	-0.208333	-2.22121	0	
301	N404	-1.215708	-0.208333	-2.105669	0	
302	N405	-1.429151	-0.208333	-1.967057	0	
303	N406	-1.626935	-0.208333	-1.806895	0	
304	N407	-1.806895	-0.208333	-1.626935	0	
305	N408	-1.967057	-0.208333	-1.429151	0	
306	N409	-2.105669	-0.208333	-1.215708	0	
307	N410	-2.22121	-0.208333	-0.988946	0	
308	N411	-2.312415	-0.208333	-0.751349	0	
309	N412	-2.378284	-0.208333	-0.50552	0	
310	N413	-2.418097	-0.208333	-0.254152	0	
311	N414	-2.431417	-0.208333	0.	0	
312	N415	-2.418097	-0.208333	0.254152	0	
313	N416	-2.378284	-0.208333	0.50552	0	
314	N417	-2.312415	-0.208333	0.751349	0	
315	N418	-2.22121	-0.208333	0.988946	0	
316	N419	-2.105669	-0.208333	1.215708	0	
317	N420	-1.967057	-0.208333	1.429151	0	
318	N421	-1.806895	-0.208333	1.626935	0	
319	N422	-1.626935	-0.208333	1.806895	0	
320	N423	-1.429151	-0.208333	1.967057	0	
321	N424	-1.215708	-0.208333	2.105669	0	
322	N425	-0.988946	-0.208333	2.22121	0	
323	N426	-0.751349	-0.208333	2.312415	0	
324	N427	-0.50552	-0.208333	2.378284	0	
325	N428	-0.254152	-0.208333	2.418097	0	
326	N425A	-.625	0	3.609935	0	
327	N428A	.625	0	3.609935	0	
328	N431	-2.097917	0	-2.431485	0	
329	N429A	2.097917	0	-2.431485	0	
330	N430A	-1.056769	0	3.032591	0	
331	N431A	-3.154686	0	-0.601107	0	
332	N432	3.154627	0	-0.601141	0	
333	N433	1.056711	0	3.032558	0	
334	N404A	-1.889162	-.375	-1.090708	0	
335	N410A	-1.672656	-.375	-0.965708	0	
336	N411A	-1.780909	-.375	-1.028208	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
337	N412A	-1.997415	-.375	-1.153208	0	
338	N413A	-2.105669	-.375	-1.215708	0	
339	N414A	0.	-.375	1.348076	0	
340	N415A	0.	-.375	3.098076	0	
341	N416A	0.	-.375	2.181417	0	
342	N417A	0.	-.375	1.931417	0	
343	N418A	0.	-.375	2.056417	0	
344	N419A	0.	-.375	2.306417	0	
345	N420A	0.	-.375	2.431417	0	
346	N428B	1.889162	-.375	-1.090708	0	
347	N429B	1.672656	-.375	-0.965708	0	
348	N430B	1.780909	-.375	-1.028208	0	
349	N431B	1.997415	-.375	-1.153208	0	
350	N432A	2.105669	-.375	-1.215708	0	
351	N394A	1.167468	-.375	-0.674038	0	
352	N395A	2.683013	-.375	-1.549038	0	
353	N396A	-1.167468	-.375	-0.674038	0	
354	N397A	-2.683013	-.375	-1.549038	0	
355	N398A	-1.564061	0	2.153936	0	
356	N422A	2.814002	0	-0.011161	0	
357	N423A	4.546053	0	0.988839	0	
358	N424A	3.032763	0	3.609935	0	
359	N425B	4.642122	0	0.822442	0	
360	N426B	3.174846	2	0.197173	0	
361	N427C	3.174846	-5	0.197173	0	
362	N428C	4.185209	2	0.780506	0	
363	N429C	4.185209	-5	0.780506	0	
364	N430C	3.174846	0	0.197173	0	
365	N431C	4.185209	0	0.780506	0	
366	N432B	3.174846	1.333333	0.197173	0	
367	N433A	4.185209	1.333333	0.780506	0	
368	N434	3.174846	-3.666667	0.197173	0	
369	N435	4.185209	-3.666667	0.780506	0	
370	N436	3.174846	-2.666667	0.197173	0	
371	N437	4.185209	-2.666667	0.780506	0	
372	N438	3.174846	-1.666667	0.197173	0	
373	N439	4.185209	-1.666667	0.780506	0	
374	N440	3.174846	-0.666667	0.197173	0	
375	N441	4.185209	-0.666667	0.780506	0	
376	N442	3.174846	0.333333	0.197173	0	
377	N443	4.185209	0.333333	0.780506	0	
378	N444	3.174846	-4.666667	0.197173	0	
379	N445	4.185209	-4.666667	0.780506	0	
380	N399A	-0.	0	-2.431485	0	
381	N401A	-2.105747	0	1.215708	0	
382	N403B	2.105669	0	1.215708	0	
383	N395B	0.001295	0	-7.217626	0	
384	N406B	3.438795	0	-1.263702	0	
385	N407B	2.813795	0	-2.346233	0	
386	N408B	-2.813795	0	-2.346233	0	
387	N409B	-3.438795	0	-1.263702	0	
388	N396B	0.416667	0.208333	-6.498182	0	
389	N397C	-0.416667	0.208333	-6.498182	0	
390	N398C	0.416667	0	-6.498182	0	
391	N399C	-0.415011	0	-6.497226	0	
392	N400B	0.416667	-0.208333	-6.498182	0	
393	N401B	-0.416667	-0.208333	-6.498182	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
394	N402A	-5.835924	0.208333	2.888247	0	
395	N403A	-5.419257	0.208333	3.609935	0	
396	N404B	-5.834268	0	2.889203	0	
397	N405B	-5.419257	0	3.609935	0	
398	N406C	-5.835924	-0.208333	2.888247	0	
399	N407C	-5.419257	-0.208333	3.609935	0	
400	N400A	2.458333	0	3.609935	0	
401	N401C	2.458333	0	3.776602	0	
402	N402B	2.458333	4.333333	3.776602	0	
403	N403C	2.458333	-4.166667	3.776602	0	
404	N404C	-0.208333	0	3.609935	0	
405	N405A	-0.208333	0	3.776602	0	
406	N406A	-0.208333	4.333333	3.776602	0	
407	N407A	-0.208333	-3.666667	3.776602	0	
408	N408A	-3.25	0	3.609935	0	
409	N409A	-3.25	0	3.776602	0	
410	N410B	-3.25	4.333333	3.776602	0	
411	N411B	-3.25	-4.166667	3.776602	0	
412	N412B	-5.25	0	3.609935	0	
413	N413B	-5.25	0	3.776602	0	
414	N414B	-5.25	4.333333	3.776602	0	
415	N415B	-5.25	-4.166667	3.776602	0	
416	N416B	0.501295	0	-6.351601	0	
417	N417B	0.645633	0	-6.434934	0	
418	N418B	0.645633	4.333333	-6.434934	0	
419	N419B	0.645633	-4.166667	-6.434934	0	
420	N420B	1.897129	0	-3.933947	0	
421	N421A	2.041466	0	-4.01728	0	
422	N422B	2.041466	4.333333	-4.01728	0	
423	N423B	2.041466	-4.166667	-4.01728	0	
424	N424B	3.230462	0	-1.624546	0	
425	N425C	3.3748	0	-1.707879	0	
426	N426A	3.3748	4.333333	-1.707879	0	
427	N427A	3.3748	-3.666667	-1.707879	0	
428	N432C	5.749698	0	2.742588	0	
429	N433B	5.895633	0	2.658333	0	
430	N434A	5.895633	4.333333	2.658333	0	
431	N435A	5.895633	-4.166667	2.658333	0	
432	N436A	-5.749698	0	2.742588	0	
433	N437A	-5.895633	0	2.658333	0	
434	N438A	-5.895633	4.333333	2.658333	0	
435	N439A	-5.895633	-4.166667	2.658333	0	
436	N440A	-4.354829	0	0.324377	0	
437	N441A	-4.4998	0	0.240678	0	
438	N442A	-4.4998	4.333333	0.240678	0	
439	N443A	-4.4998	-4.166667	0.240678	0	
440	N444A	-3.022129	0	-1.985389	0	
441	N445A	-3.166466	0	-2.068723	0	
442	N446	-3.166466	4.333333	-2.068723	0	
443	N447	-3.166466	-3.666667	-2.068723	0	
444	N452	-0.499698	0	-6.350679	0	
445	N453	-0.645633	0	-6.434934	0	
446	N454	-0.645633	4.333333	-6.434934	0	
447	N455	-0.645633	-4.166667	-6.434934	0	
448	N461	2.397394	0	0.710561	0	
449	N458	4.129445	0	1.710561	0	
450	N450	4.750389	0	1.010138	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
451	N451	4.895633	0	0.926282	0	
452	N452A	4.895633	4.333333	0.926282	0	
453	N453A	4.895633	-4.166667	0.926282	0	
454	N454A	-1.500389	0	-4.619027	0	
455	N455A	-1.645633	0	-4.702883	0	
456	N456	-1.645633	4.333333	-4.702883	0	
457	N457	-1.645633	-4.166667	-4.702883	0	
458	N458A	5.875	3	3.609935	0	
459	N459	-5.875	3	3.609935	0	
460	N460	5.25	3	3.609935	0	
461	N461A	5.25	3	3.776602	0	
462	N462	2.458333	3	3.609935	0	
463	N463	2.458333	3	3.776602	0	
464	N464	-0.208333	3	3.609935	0	
465	N465	-0.208333	3	3.776602	0	
466	N466	-3.25	3	3.609935	0	
467	N467	-3.25	3	3.776602	0	
468	N468	-5.25	3	3.609935	0	
469	N469	-5.25	3	3.776602	0	
470	N470	0.188795	3	-6.892867	0	
471	N471	6.063795	3	3.282932	0	
472	N472	-6.063795	3	3.282932	0	
473	N473	-0.188795	3	-6.892867	0	
474	N474	4.625	3	3.609935	0	
475	N475	4.625	3	3.484935	0	
476	N476	-4.625	3	3.609935	0	
477	N477	-4.625	3	3.484935	0	
478	N478	0.813795	3	-5.810335	0	
479	N479	0.705542	3	-5.747835	0	
480	N480	5.438795	3	2.2004	0	
481	N481	5.330542	3	2.2629	0	
482	N482	-5.438795	3	2.2004	0	
483	N483	-5.330542	3	2.2629	0	
484	N484	-0.813795	3	-5.810335	0	
485	N485	-0.705542	3	-5.747835	0	
486	N486	5.751295	3	2.741666	0	
487	N487	5.895633	3	2.658333	0	
488	N488	-0.501295	3	-6.351601	0	
489	N489	-0.645633	3	-6.434934	0	
490	N490	1.897129	3	-3.933947	0	
491	N491	2.041466	3	-4.01728	0	
492	N492	-4.355462	3	0.324012	0	
493	N493	-4.4998	3	0.240678	0	
494	N494	3.230462	3	-1.624546	0	
495	N495	3.3748	3	-1.707879	0	
496	N496	-3.022129	3	-1.985389	0	
497	N497	-3.166466	3	-2.068723	0	
498	N498	4.751295	3	1.009615	0	
499	N499	4.895633	3	0.926282	0	
500	N500	-1.501295	3	-4.61955	0	
501	N501	-1.645633	3	-4.702883	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	C5X6.7	Beam	Channel	A36 Gr.36	Typical	1.97	.47	7.48	.055
2	Cross Brace	C5X6.7	Beam	Channel	A36 Gr.36	Typical	1.97	.47	7.48	.055
3	Standoff Horizontal	HSS3X3X6	Beam	SquareTube	A500 Gr. B ...	Typical	3.39	3.78	3.78	6.64
4	Corner Plate	PL5/16x10	Beam	RECT	A36 Gr.36	Typical	3.125	.025	26.042	.1
5	TES Corner Plate	PL5/16x10	Beam	RECT	A36 Gr.36	Typical	3.125	.025	26.042	.1
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
7	Mount Pipe P2.5STD	PIPE_2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
8	Ladder Rail	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
9	Ladder Rung	SR 0.75	Beam	BAR	A36 Gr.36	Typical	.442	.016	.016	.031
10	Mod Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
11	Mod Support Rail Cor...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N425A		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
2	M7	N15	N14			RIGID	None	None	RIGID	Typical
3	MP1A	N20	N21			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
4	M28	N59A	N60A			Cross Brace	Beam	Channel	A36 Gr.36	Typical
5	M29	N45	N59A			RIGID	None	None	RIGID	Typical
6	M30	N24	N60A			RIGID	None	None	RIGID	Typical
7	M31	N63	N64			Cross Brace	Beam	Channel	A36 Gr.36	Typical
8	M32	N5	N63			RIGID	None	None	RIGID	Typical
9	M33	N44	N64			RIGID	None	None	RIGID	Typical
10	M34	N67	N68			Cross Brace	Beam	Channel	A36 Gr.36	Typical
11	M35	N25	N67			RIGID	None	None	RIGID	Typical
12	M36	N4	N68			RIGID	None	None	RIGID	Typical
13	M49	N78	N77		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
14	M50	N78	N80			RIGID	None	None	RIGID	Typical
15	M51	N77	N79			RIGID	None	None	RIGID	Typical
16	M52	N82	N81		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
17	M53	N82	N80			RIGID	None	None	RIGID	Typical
18	M54	N81	N79			RIGID	None	None	RIGID	Typical
19	M75	N425A	N428A		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
20	M78	N428A	N2		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
21	M72A	N287	N404A			RIGID	None	None	RIGID	Typical
22	M73A	N165	N410A			RIGID	None	None	RIGID	Typical
23	M74A	N226	N411A			RIGID	None	None	RIGID	Typical
24	M75A	N348	N412A			RIGID	None	None	RIGID	Typical
25	M76A	N409	N413A			RIGID	None	None	RIGID	Typical
26	M77A	N415A	N414A			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
27	M78A	N247	N416A			RIGID	None	None	RIGID	Typical
28	M79A	N125	N417A			RIGID	None	None	RIGID	Typical
29	M80A	N186	N418A			RIGID	None	None	RIGID	Typical
30	M81	N308	N419A			RIGID	None	None	RIGID	Typical
31	M82	N369	N420A			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
32	M84	N267	N428B			RIGID	None	None	RIGID	Typical
33	M85	N145	N429B			RIGID	None	None	RIGID	Typical
34	M86	N206	N430B			RIGID	None	None	RIGID	Typical
35	M87	N328	N431B			RIGID	None	None	RIGID	Typical
36	M88	N389	N432A			RIGID	None	None	RIGID	Typical
37	M66	N395A	N394A			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
38	M67	N397A	N396A			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
39	M73	N425B	N424A		180	Cross Brace	Beam	Channel	A36 Gr.36	Typical
40	M74	N423A	N422A			Cross Brace	Beam	Channel	A36 Gr.36	Typical
41	M75B	N426B	N427C		180	Ladder Rail	Beam	Single Angle	A36 Gr.36	Typical
42	M76	N428C	N429C		90	Ladder Rail	Beam	Single Angle	A36 Gr.36	Typical
43	M77	N432B	N433A			Ladder Rung	Beam	BAR	A36 Gr.36	Typical
44	M78B	N434	N435			Ladder Rung	Beam	BAR	A36 Gr.36	Typical
45	M79	N436	N437			Ladder Rung	Beam	BAR	A36 Gr.36	Typical
46	M80	N438	N439			Ladder Rung	Beam	BAR	A36 Gr.36	Typical
47	M81A	N440	N441			Ladder Rung	Beam	BAR	A36 Gr.36	Typical
48	M82A	N442	N443			Ladder Rung	Beam	BAR	A36 Gr.36	Typical
49	M83	N444	N445			Ladder Rung	Beam	BAR	A36 Gr.36	Typical
50	M62	N399A	N399			RIGID	None	None	RIGID	Typical
51	M63	N401A	N419			RIGID	None	None	RIGID	Typical
52	M64	N403B	N379			RIGID	None	None	RIGID	Typical
53	M59	N2	N406B		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
54	M63A	N407B	N395B		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
55	M64A	N395B	N408B		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
56	M68	N409B	N3		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
57	M67A	N406B	N407B		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
58	M68A	N408B	N409B		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
59	M63B	N397C	N396B		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
60	M64B	N397C	N399C			RIGID	None	None	RIGID	Typical
61	M65A	N396B	N398C			RIGID	None	None	RIGID	Typical
62	M66B	N401B	N400B		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
63	M67B	N401B	N399C			RIGID	None	None	RIGID	Typical
64	M68B	N400B	N398C			RIGID	None	None	RIGID	Typical
65	M69	N403A	N402A		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
66	M70	N403A	N405B			RIGID	None	None	RIGID	Typical
67	M71	N402A	N404B			RIGID	None	None	RIGID	Typical
68	M72	N407C	N406C		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
69	M73B	N407C	N405B			RIGID	None	None	RIGID	Typical
70	M74B	N406C	N404B			RIGID	None	None	RIGID	Typical
71	M71A	N401C	N400A			RIGID	None	None	RIGID	Typical
72	MP2A	N402B	N403C			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
73	M73C	N405A	N404C			RIGID	None	None	RIGID	Typical
74	MP3A	N406A	N407A			Mount Pipe P2...	Column	Pipe	A53 Gr. B	Typical
75	M75C	N409A	N408A			RIGID	None	None	RIGID	Typical
76	MP4A	N410B	N411B			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
77	M77B	N413B	N412B			RIGID	None	None	RIGID	Typical
78	MP5A	N414B	N415B			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
79	M79B	N417B	N416B			RIGID	None	None	RIGID	Typical
80	MP1C	N418B	N419B			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
81	M81B	N421A	N420B			RIGID	None	None	RIGID	Typical
82	MP2C	N422B	N423B			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
83	M83A	N425C	N424B			RIGID	None	None	RIGID	Typical
84	MP3C	N426A	N427A			Mount Pipe P2...	Column	Pipe	A53 Gr. B	Typical
85	M87A	N433B	N432C			RIGID	None	None	RIGID	Typical
86	MP5C	N434A	N435A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
87	M89	N437A	N436A			RIGID	None	None	RIGID	Typical
88	MP1B	N438A	N439A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
89	M91	N441A	N440A			RIGID	None	None	RIGID	Typical
90	MP2B	N442A	N443A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
91	M93	N445A	N444A			RIGID	None	None	RIGID	Typical
92	MP3B	N446	N447			Mount Pipe P2...	Column	Pipe	A53 Gr. B	Typical
93	M97	N453	N452			RIGID	None	None	RIGID	Typical
94	MP5B	N454	N455			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
95	M95	N451	N450			RIGID	None	None	RIGID	Typical
96	MP4C	N452A	N453A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
97	M97A	N455A	N454A			RIGID	None	None	RIGID	Typical
98	MP4B	N456	N457			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
99	M99	N461A	N460			RIGID	None	None	RIGID	Typical
100	M100	N463	N462			RIGID	None	None	RIGID	Typical
101	M101	N465	N464			RIGID	None	None	RIGID	Typical
102	M102	N467	N466			RIGID	None	None	RIGID	Typical
103	M103	N469	N468			RIGID	None	None	RIGID	Typical
104	M104	N459	N458A			Mod Support ...	Beam	Pipe	A53 Gr. B	Typical
105	M105	N471	N470			Mod Support ...	Beam	Pipe	A53 Gr. B	Typical
106	M106	N473	N472			Mod Support ...	Beam	Pipe	A53 Gr. B	Typical
107	M107	N474	N475			RIGID	None	None	RIGID	Typical
108	M108	N476	N477			RIGID	None	None	RIGID	Typical
109	M109	N478	N479			RIGID	None	None	RIGID	Typical
110	M110	N480	N481			RIGID	None	None	RIGID	Typical
111	M111	N482	N483			RIGID	None	None	RIGID	Typical
112	M112	N484	N485			RIGID	None	None	RIGID	Typical
113	M113	N475	N481		180	Mod Support ...	Beam	Single Angle	A36 Gr.36	Typical
114	M114	N479	N485		180	Mod Support ...	Beam	Single Angle	A36 Gr.36	Typical
115	M115	N483	N477		180	Mod Support ...	Beam	Single Angle	A36 Gr.36	Typical
116	M116	N487	N486			RIGID	None	None	RIGID	Typical
117	M117	N489	N488			RIGID	None	None	RIGID	Typical
118	M118	N491	N490			RIGID	None	None	RIGID	Typical
119	M119	N493	N492			RIGID	None	None	RIGID	Typical
120	M120	N495	N494			RIGID	None	None	RIGID	Typical
121	M121	N497	N496			RIGID	None	None	RIGID	Typical
122	M122	N499	N498			RIGID	None	None	RIGID	Typical
123	M123	N501	N500			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M7						Yes	** NA **			None
3	MP1A						Yes	** NA **			None
4	M28						Yes				None
5	M29						Yes	** NA **			None
6	M30						Yes	** NA **			None
7	M31						Yes				None
8	M32						Yes	** NA **			None
9	M33						Yes	** NA **			None
10	M34						Yes				None
11	M35						Yes	** NA **			None
12	M36						Yes	** NA **			None
13	M49						Yes				None
14	M50						Yes	** NA **			None
15	M51						Yes	** NA **			None
16	M52						Yes				None
17	M53						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...
18	M54						Yes	** NA **			None
19	M75						Yes				None
20	M78						Yes				None
21	M72A						Yes	** NA **			None
22	M73A						Yes	** NA **			None
23	M74A						Yes	** NA **			None
24	M75A						Yes	** NA **			None
25	M76A						Yes	** NA **			None
26	M77A						Yes				None
27	M78A						Yes	** NA **			None
28	M79A						Yes	** NA **			None
29	M80A						Yes	** NA **			None
30	M81						Yes	** NA **			None
31	M82						Yes	** NA **			None
32	M84						Yes	** NA **			None
33	M85						Yes	** NA **			None
34	M86						Yes	** NA **			None
35	M87						Yes	** NA **			None
36	M88						Yes	** NA **			None
37	M66						Yes				None
38	M67						Yes				None
39	M73						Yes				None
40	M74						Yes				None
41	M75B						Yes				None
42	M76						Yes				None
43	M77						Yes				None
44	M78B						Yes				None
45	M79						Yes				None
46	M80						Yes				None
47	M81A						Yes				None
48	M82A						Yes				None
49	M83						Yes				None
50	M62						Yes	** NA **			None
51	M63						Yes	** NA **			None
52	M64						Yes	** NA **			None
53	M59						Yes				None
54	M63A						Yes				None
55	M64A						Yes				None
56	M68						Yes				None
57	M67A						Yes				None
58	M68A						Yes				None
59	M63B						Yes				None
60	M64B						Yes	** NA **			None
61	M65A						Yes	** NA **			None
62	M66B						Yes				None
63	M67B						Yes	** NA **			None
64	M68B						Yes	** NA **			None
65	M69						Yes				None
66	M70						Yes	** NA **			None
67	M71						Yes	** NA **			None
68	M72						Yes				None
69	M73B						Yes	** NA **			None
70	M74B						Yes	** NA **			None
71	M71A						Yes	** NA **			None
72	MP2A						Yes	** NA **			None
73	M73C						Yes	** NA **			None
74	MP3A						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...
75	M75C						Yes	** NA **			None
76	MP4A						Yes	** NA **			None
77	M77B						Yes	** NA **			None
78	MP5A						Yes	** NA **			None
79	M79B						Yes	** NA **			None
80	MP1C						Yes	** NA **			None
81	M81B						Yes	** NA **			None
82	MP2C						Yes	** NA **			None
83	M83A						Yes	** NA **			None
84	MP3C						Yes	** NA **			None
85	M87A						Yes	** NA **			None
86	MP5C						Yes	** NA **			None
87	M89						Yes	** NA **			None
88	MP1B						Yes	** NA **			None
89	M91						Yes	** NA **			None
90	MP2B						Yes	** NA **			None
91	M93						Yes	** NA **			None
92	MP3B						Yes	** NA **			None
93	M97						Yes	** NA **			None
94	MP5B						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	MP4C						Yes	** NA **			None
97	M97A						Yes	** NA **			None
98	MP4B						Yes	** NA **			None
99	M99						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes				None
105	M105						Yes				None
106	M106						Yes				None
107	M107	OOOOOX					Yes	** NA **			None
108	M108	OOOOOX					Yes	** NA **			None
109	M109	OOOOOX					Yes	** NA **			None
110	M110	OOOOOX					Yes	** NA **			None
111	M111	OOOOOX					Yes	** NA **			None
112	M112	OOOOOX					Yes	** NA **			None
113	M113						Yes	Default			None
114	M114						Yes	Default			None
115	M115						Yes	Default			None
116	M116						Yes	** NA **			None
117	M117						Yes	** NA **			None
118	M118						Yes	** NA **			None
119	M119						Yes	** NA **			None
120	M120						Yes	** NA **			None
121	M121						Yes	** NA **			None
122	M122						Yes	** NA **			None
123	M123						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-31.65	2
2	MP3A	My	.000592	2
3	MP3A	Mz	.025	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3A	Y	-31.65	5.5
5	MP3A	My	.000592	5.5
6	MP3A	Mz	.025	5.5
7	MP3B	Y	-31.65	2
8	MP3B	My	-.009	2
9	MP3B	Mz	-.024	2
10	MP3B	Y	-31.65	5.5
11	MP3B	My	-.009	5.5
12	MP3B	Mz	-.024	5.5
13	MP3C	Y	-31.65	2
14	MP3C	My	.025	2
15	MP3C	Mz	.004	2
16	MP3C	Y	-31.65	5.5
17	MP3C	My	.025	5.5
18	MP3C	Mz	.004	5.5
19	MP3A	Y	-31.65	2
20	MP3A	My	-.025	2
21	MP3A	Mz	-.005	2
22	MP3A	Y	-31.65	5.5
23	MP3A	My	-.025	5.5
24	MP3A	Mz	-.005	5.5
25	MP3B	Y	-31.65	2
26	MP3B	My	.025	2
27	MP3B	Mz	-.004	2
28	MP3B	Y	-31.65	5.5
29	MP3B	My	.025	5.5
30	MP3B	Mz	-.004	5.5
31	MP3C	Y	-31.65	2
32	MP3C	My	-.009	2
33	MP3C	Mz	.024	2
34	MP3C	Y	-31.65	5.5
35	MP3C	My	-.009	5.5
36	MP3C	Mz	.024	5.5
37	MP4A	Y	-43.55	3
38	MP4A	My	-.017	3
39	MP4A	Mz	.014	3
40	MP4A	Y	-43.55	4.5
41	MP4A	My	-.017	4.5
42	MP4A	Mz	.014	4.5
43	MP4B	Y	-43.55	3
44	MP4B	My	.011	3
45	MP4B	Mz	-.019	3
46	MP4B	Y	-43.55	4.5
47	MP4B	My	.011	4.5
48	MP4B	Mz	-.019	4.5
49	MP4C	Y	-43.55	3
50	MP4C	My	.011	3
51	MP4C	Mz	.019	3
52	MP4C	Y	-43.55	4.5
53	MP4C	My	.011	4.5
54	MP4C	Mz	.019	4.5
55	MP1A	Y	-11.5	2.5
56	MP1A	My	-.004	2.5
57	MP1A	Mz	.004	2.5
58	MP1A	Y	-11.5	5
59	MP1A	My	-.004	5
60	MP1A	Mz	.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP5A	Y	-11.5	2.5
62	MP5A	My	-.004	2.5
63	MP5A	Mz	.004	2.5
64	MP5A	Y	-11.5	5
65	MP5A	My	-.004	5
66	MP5A	Mz	.004	5
67	MP1B	Y	-6	2.5
68	MP1B	My	.002	2.5
69	MP1B	Mz	-.003	2.5
70	MP1B	Y	-6	5
71	MP1B	My	.002	5
72	MP1B	Mz	-.003	5
73	MP1C	Y	-6	2.5
74	MP1C	My	.002	2.5
75	MP1C	Mz	.003	2.5
76	MP1C	Y	-6	5
77	MP1C	My	.002	5
78	MP1C	Mz	.003	5
79	MP5B	Y	-6	2.5
80	MP5B	My	.002	2.5
81	MP5B	Mz	-.003	2.5
82	MP5B	Y	-6	5
83	MP5B	My	.002	5
84	MP5B	Mz	-.003	5
85	MP5C	Y	-6	2.5
86	MP5C	My	.002	2.5
87	MP5C	Mz	.003	2.5
88	MP5C	Y	-6	5
89	MP5C	My	.002	5
90	MP5C	Mz	.003	5
91	MP3A	Y	-10.4	1
92	MP3A	My	.004	1
93	MP3A	Mz	-.003	1
94	MP3B	Y	-10.4	1
95	MP3B	My	-.003	1
96	MP3B	Mz	.005	1
97	MP3C	Y	-10.4	1
98	MP3C	My	-.003	1
99	MP3C	Mz	-.005	1
100	MP2A	Y	-84.4	3
101	MP2A	My	.042	3
102	MP2A	Mz	0	3
103	MP2B	Y	-84.4	3
104	MP2B	My	-.021	3
105	MP2B	Mz	.037	3
106	MP2C	Y	-84.4	3
107	MP2C	My	-.021	3
108	MP2C	Mz	-.037	3
109	MP3A	Y	-70.3	3
110	MP3A	My	.027	3
111	MP3A	Mz	-.023	3
112	MP3B	Y	-70.3	3
113	MP3B	My	-.018	3
114	MP3B	Mz	.03	3
115	MP3C	Y	-70.3	3
116	MP3C	My	-.018	3
117	MP3C	Mz	-.03	3

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-70.805	2
2	MP3A	My	.001	2
3	MP3A	Mz	.057	2
4	MP3A	Y	-70.805	5.5
5	MP3A	My	.001	5.5
6	MP3A	Mz	.057	5.5
7	MP3B	Y	-70.805	2
8	MP3B	My	-.021	2
9	MP3B	Mz	-.053	2
10	MP3B	Y	-70.805	5.5
11	MP3B	My	-.021	5.5
12	MP3B	Mz	-.053	5.5
13	MP3C	Y	-70.805	2
14	MP3C	My	.056	2
15	MP3C	Mz	.009	2
16	MP3C	Y	-70.805	5.5
17	MP3C	My	.056	5.5
18	MP3C	Mz	.009	5.5
19	MP3A	Y	-70.805	2
20	MP3A	My	-.056	2
21	MP3A	Mz	-.011	2
22	MP3A	Y	-70.805	5.5
23	MP3A	My	-.056	5.5
24	MP3A	Mz	-.011	5.5
25	MP3B	Y	-70.805	2
26	MP3B	My	.056	2
27	MP3B	Mz	-.009	2
28	MP3B	Y	-70.805	5.5
29	MP3B	My	.056	5.5
30	MP3B	Mz	-.009	5.5
31	MP3C	Y	-70.805	2
32	MP3C	My	-.021	2
33	MP3C	Mz	.053	2
34	MP3C	Y	-70.805	5.5
35	MP3C	My	-.021	5.5
36	MP3C	Mz	.053	5.5
37	MP4A	Y	-36.058	3
38	MP4A	My	-.014	3
39	MP4A	Mz	.012	3
40	MP4A	Y	-36.058	4.5
41	MP4A	My	-.014	4.5
42	MP4A	Mz	.012	4.5
43	MP4B	Y	-36.058	3
44	MP4B	My	.009	3
45	MP4B	Mz	-.016	3
46	MP4B	Y	-36.058	4.5
47	MP4B	My	.009	4.5
48	MP4B	Mz	-.016	4.5
49	MP4C	Y	-36.058	3
50	MP4C	My	.009	3
51	MP4C	Mz	.016	3
52	MP4C	Y	-36.058	4.5
53	MP4C	My	.009	4.5
54	MP4C	Mz	.016	4.5
55	MP1A	Y	-79.315	2.5
56	MP1A	My	-.03	2.5
57	MP1A	Mz	.025	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1A	Y	-79.315	5
59	MP1A	My	-.03	5
60	MP1A	Mz	.025	5
61	MP5A	Y	-79.315	2.5
62	MP5A	My	-.03	2.5
63	MP5A	Mz	.025	2.5
64	MP5A	Y	-79.315	5
65	MP5A	My	-.03	5
66	MP5A	Mz	.025	5
67	MP1B	Y	-40.382	2.5
68	MP1B	My	.01	2.5
69	MP1B	Mz	-.017	2.5
70	MP1B	Y	-40.382	5
71	MP1B	My	.01	5
72	MP1B	Mz	-.017	5
73	MP1C	Y	-40.382	2.5
74	MP1C	My	.01	2.5
75	MP1C	Mz	.017	2.5
76	MP1C	Y	-40.382	5
77	MP1C	My	.01	5
78	MP1C	Mz	.017	5
79	MP5B	Y	-40.382	2.5
80	MP5B	My	.01	2.5
81	MP5B	Mz	-.017	2.5
82	MP5B	Y	-40.382	5
83	MP5B	My	.01	5
84	MP5B	Mz	-.017	5
85	MP5C	Y	-40.382	2.5
86	MP5C	My	.01	2.5
87	MP5C	Mz	.017	2.5
88	MP5C	Y	-40.382	5
89	MP5C	My	.01	5
90	MP5C	Mz	.017	5
91	MP3A	Y	-10.893	1
92	MP3A	My	.004	1
93	MP3A	Mz	-.004	1
94	MP3B	Y	-10.893	1
95	MP3B	My	-.003	1
96	MP3B	Mz	.005	1
97	MP3C	Y	-10.893	1
98	MP3C	My	-.003	1
99	MP3C	Mz	-.005	1
100	MP2A	Y	-45.469	3
101	MP2A	My	.023	3
102	MP2A	Mz	0	3
103	MP2B	Y	-45.469	3
104	MP2B	My	-.011	3
105	MP2B	Mz	.02	3
106	MP2C	Y	-45.469	3
107	MP2C	My	-.011	3
108	MP2C	Mz	-.02	3
109	MP3A	Y	-40.894	3
110	MP3A	My	.016	3
111	MP3A	Mz	-.013	3
112	MP3B	Y	-40.894	3
113	MP3B	My	-.01	3
114	MP3B	Mz	.018	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP3C	Y	-40.894	3
116	MP3C	My	-.01	3
117	MP3C	Mz	-.018	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2
2	MP3A	Z	-131.768	2
3	MP3A	Mx	-.105	2
4	MP3A	X	0	5.5
5	MP3A	Z	-131.768	5.5
6	MP3A	Mx	-.105	5.5
7	MP3B	X	0	2
8	MP3B	Z	-114.019	2
9	MP3B	Mx	.085	2
10	MP3B	X	0	5.5
11	MP3B	Z	-114.019	5.5
12	MP3B	Mx	.085	5.5
13	MP3C	X	0	2
14	MP3C	Z	-114.019	2
15	MP3C	Mx	-.014	2
16	MP3C	X	0	5.5
17	MP3C	Z	-114.019	5.5
18	MP3C	Mx	-.014	5.5
19	MP3A	X	0	2
20	MP3A	Z	-131.768	2
21	MP3A	Mx	.021	2
22	MP3A	X	0	5.5
23	MP3A	Z	-131.768	5.5
24	MP3A	Mx	.021	5.5
25	MP3B	X	0	2
26	MP3B	Z	-114.019	2
27	MP3B	Mx	.014	2
28	MP3B	X	0	5.5
29	MP3B	Z	-114.019	5.5
30	MP3B	Mx	.014	5.5
31	MP3C	X	0	2
32	MP3C	Z	-114.019	2
33	MP3C	Mx	-.085	2
34	MP3C	X	0	5.5
35	MP3C	Z	-114.019	5.5
36	MP3C	Mx	-.085	5.5
37	MP4A	X	0	3
38	MP4A	Z	-59.299	3
39	MP4A	Mx	-.019	3
40	MP4A	X	0	4.5
41	MP4A	Z	-59.299	4.5
42	MP4A	Mx	-.019	4.5
43	MP4B	X	0	3
44	MP4B	Z	-43.063	3
45	MP4B	Mx	.019	3
46	MP4B	X	0	4.5
47	MP4B	Z	-43.063	4.5
48	MP4B	Mx	.019	4.5
49	MP4C	X	0	3
50	MP4C	Z	-43.063	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP4C	Mx	-.019	3
52	MP4C	X	0	4.5
53	MP4C	Z	-43.063	4.5
54	MP4C	Mx	-.019	4.5
55	MP1A	X	0	2.5
56	MP1A	Z	-121.721	2.5
57	MP1A	Mx	-.039	2.5
58	MP1A	X	0	5
59	MP1A	Z	-121.721	5
60	MP1A	Mx	-.039	5
61	MP5A	X	0	2.5
62	MP5A	Z	-121.721	2.5
63	MP5A	Mx	-.039	2.5
64	MP5A	X	0	5
65	MP5A	Z	-121.721	5
66	MP5A	Mx	-.039	5
67	MP1B	X	0	2.5
68	MP1B	Z	-63.938	2.5
69	MP1B	Mx	.028	2.5
70	MP1B	X	0	5
71	MP1B	Z	-63.938	5
72	MP1B	Mx	.028	5
73	MP1C	X	0	2.5
74	MP1C	Z	-63.938	2.5
75	MP1C	Mx	-.028	2.5
76	MP1C	X	0	5
77	MP1C	Z	-63.938	5
78	MP1C	Mx	-.028	5
79	MP5B	X	0	2.5
80	MP5B	Z	-63.938	2.5
81	MP5B	Mx	.028	2.5
82	MP5B	X	0	5
83	MP5B	Z	-63.938	5
84	MP5B	Mx	.028	5
85	MP5C	X	0	2.5
86	MP5C	Z	-63.938	2.5
87	MP5C	Mx	-.028	2.5
88	MP5C	X	0	5
89	MP5C	Z	-63.938	5
90	MP5C	Mx	-.028	5
91	MP3A	X	0	1
92	MP3A	Z	-10.884	1
93	MP3A	Mx	.003	1
94	MP3B	X	0	1
95	MP3B	Z	-9.59	1
96	MP3B	Mx	-.004	1
97	MP3C	X	0	1
98	MP3C	Z	-9.59	1
99	MP3C	Mx	.004	1
100	MP2A	X	0	3
101	MP2A	Z	-63.035	3
102	MP2A	Mx	0	3
103	MP2B	X	0	3
104	MP2B	Z	-47.36	3
105	MP2B	Mx	-.021	3
106	MP2C	X	0	3
107	MP2C	Z	-47.36	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP2C	Mx	.021	3
109	MP3A	X	0	3
110	MP3A	Z	-51.092	3
111	MP3A	Mx	.016	3
112	MP3B	X	0	3
113	MP3B	Z	-41.356	3
114	MP3B	Mx	-.018	3
115	MP3C	X	0	3
116	MP3C	Z	-41.356	3
117	MP3C	Mx	.018	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	53.504	2
2	MP3A	Z	-92.672	2
3	MP3A	Mx	-.073	2
4	MP3A	X	53.504	5.5
5	MP3A	Z	-92.672	5.5
6	MP3A	Mx	-.073	5.5
7	MP3B	X	50.422	2
8	MP3B	Z	-87.334	2
9	MP3B	Mx	.05	2
10	MP3B	X	50.422	5.5
11	MP3B	Z	-87.334	5.5
12	MP3B	Mx	.05	5.5
13	MP3C	X	70.184	2
14	MP3C	Z	-121.562	2
15	MP3C	Mx	.041	2
16	MP3C	X	70.184	5.5
17	MP3C	Z	-121.562	5.5
18	MP3C	Mx	.041	5.5
19	MP3A	X	53.504	2
20	MP3A	Z	-92.672	2
21	MP3A	Mx	-.027	2
22	MP3A	X	53.504	5.5
23	MP3A	Z	-92.672	5.5
24	MP3A	Mx	-.027	5.5
25	MP3B	X	50.422	2
26	MP3B	Z	-87.334	2
27	MP3B	Mx	.05	2
28	MP3B	X	50.422	5.5
29	MP3B	Z	-87.334	5.5
30	MP3B	Mx	.05	5.5
31	MP3C	X	70.184	2
32	MP3C	Z	-121.562	2
33	MP3C	Mx	-.111	2
34	MP3C	X	70.184	5.5
35	MP3C	Z	-121.562	5.5
36	MP3C	Mx	-.111	5.5
37	MP4A	X	18.326	3
38	MP4A	Z	-31.741	3
39	MP4A	Mx	-.017	3
40	MP4A	X	18.326	4.5
41	MP4A	Z	-31.741	4.5
42	MP4A	Mx	-.017	4.5
43	MP4B	X	15.506	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4B	Z	-26.858	3
45	MP4B	Mx	.016	3
46	MP4B	X	15.506	4.5
47	MP4B	Z	-26.858	4.5
48	MP4B	Mx	.016	4.5
49	MP4C	X	33.582	3
50	MP4C	Z	-58.166	3
51	MP4C	Mx	-.017	3
52	MP4C	X	33.582	4.5
53	MP4C	Z	-58.166	4.5
54	MP4C	Mx	-.017	4.5
55	MP1A	X	49.763	2.5
56	MP1A	Z	-86.193	2.5
57	MP1A	Mx	-.047	2.5
58	MP1A	X	49.763	5
59	MP1A	Z	-86.193	5
60	MP1A	Mx	-.047	5
61	MP5A	X	49.763	2.5
62	MP5A	Z	-86.193	2.5
63	MP5A	Mx	-.047	2.5
64	MP5A	X	49.763	5
65	MP5A	Z	-86.193	5
66	MP5A	Mx	-.047	5
67	MP1B	X	30.462	2.5
68	MP1B	Z	-52.762	2.5
69	MP1B	Mx	.03	2.5
70	MP1B	X	30.462	5
71	MP1B	Z	-52.762	5
72	MP1B	Mx	.03	5
73	MP1C	X	34.983	2.5
74	MP1C	Z	-60.592	2.5
75	MP1C	Mx	-.017	2.5
76	MP1C	X	34.983	5
77	MP1C	Z	-60.592	5
78	MP1C	Mx	-.017	5
79	MP5B	X	30.462	2.5
80	MP5B	Z	-52.762	2.5
81	MP5B	Mx	.03	2.5
82	MP5B	X	30.462	5
83	MP5B	Z	-52.762	5
84	MP5B	Mx	.03	5
85	MP5C	X	34.983	2.5
86	MP5C	Z	-60.592	2.5
87	MP5C	Mx	-.017	2.5
88	MP5C	X	34.983	5
89	MP5C	Z	-60.592	5
90	MP5C	Mx	-.017	5
91	MP3A	X	4.539	1
92	MP3A	Z	-7.863	1
93	MP3A	Mx	.004	1
94	MP3B	X	4.315	1
95	MP3B	Z	-7.473	1
96	MP3B	Mx	-.004	1
97	MP3C	X	5.756	1
98	MP3C	Z	-9.969	1
99	MP3C	Mx	.003	1
100	MP2A	X	28.905	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP2A	Z	-50.065	3
102	MP2A	Mx	.014	3
103	MP2B	X	21.068	3
104	MP2B	Z	-36.49	3
105	MP2B	Mx	-.021	3
106	MP2C	X	28.905	3
107	MP2C	Z	-50.065	3
108	MP2C	Mx	.014	3
109	MP3A	X	18.755	3
110	MP3A	Z	-32.485	3
111	MP3A	Mx	.018	3
112	MP3B	X	17.065	3
113	MP3B	Z	-29.557	3
114	MP3B	Mx	-.017	3
115	MP3C	X	27.904	3
116	MP3C	Z	-48.332	3
117	MP3C	Mx	.014	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	88.71	2
2	MP3A	Z	-51.217	2
3	MP3A	Mx	-.039	2
4	MP3A	X	88.71	5.5
5	MP3A	Z	-51.217	5.5
6	MP3A	Mx	-.039	5.5
7	MP3B	X	98.743	2
8	MP3B	Z	-57.009	2
9	MP3B	Mx	.014	2
10	MP3B	X	98.743	5.5
11	MP3B	Z	-57.009	5.5
12	MP3B	Mx	.014	5.5
13	MP3C	X	132.971	2
14	MP3C	Z	-76.771	2
15	MP3C	Mx	.096	2
16	MP3C	X	132.971	5.5
17	MP3C	Z	-76.771	5.5
18	MP3C	Mx	.096	5.5
19	MP3A	X	88.71	2
20	MP3A	Z	-51.217	2
21	MP3A	Mx	-.062	2
22	MP3A	X	88.71	5.5
23	MP3A	Z	-51.217	5.5
24	MP3A	Mx	-.062	5.5
25	MP3B	X	98.743	2
26	MP3B	Z	-57.009	2
27	MP3B	Mx	.085	2
28	MP3B	X	98.743	5.5
29	MP3B	Z	-57.009	5.5
30	MP3B	Mx	.085	5.5
31	MP3C	X	132.971	2
32	MP3C	Z	-76.771	2
33	MP3C	Mx	-.096	2
34	MP3C	X	132.971	5.5
35	MP3C	Z	-76.771	5.5
36	MP3C	Mx	-.096	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP4A	X	28.116	3
38	MP4A	Z	-16.233	3
39	MP4A	Mx	-.016	3
40	MP4A	X	28.116	4.5
41	MP4A	Z	-16.233	4.5
42	MP4A	Mx	-.016	4.5
43	MP4B	X	37.294	3
44	MP4B	Z	-21.531	3
45	MP4B	Mx	.019	3
46	MP4B	X	37.294	4.5
47	MP4B	Z	-21.531	4.5
48	MP4B	Mx	.019	4.5
49	MP4C	X	68.602	3
50	MP4C	Z	-39.607	3
51	MP4C	Mx	0	3
52	MP4C	X	68.602	4.5
53	MP4C	Z	-39.607	4.5
54	MP4C	Mx	0	4.5
55	MP1A	X	82.641	2.5
56	MP1A	Z	-47.713	2.5
57	MP1A	Mx	-.047	2.5
58	MP1A	X	82.641	5
59	MP1A	Z	-47.713	5
60	MP1A	Mx	-.047	5
61	MP5A	X	82.641	2.5
62	MP5A	Z	-47.713	2.5
63	MP5A	Mx	-.047	2.5
64	MP5A	X	82.641	5
65	MP5A	Z	-47.713	5
66	MP5A	Mx	-.047	5
67	MP1B	X	55.372	2.5
68	MP1B	Z	-31.969	2.5
69	MP1B	Mx	.028	2.5
70	MP1B	X	55.372	5
71	MP1B	Z	-31.969	5
72	MP1B	Mx	.028	5
73	MP1C	X	63.201	2.5
74	MP1C	Z	-36.489	2.5
75	MP1C	Mx	0	2.5
76	MP1C	X	63.201	5
77	MP1C	Z	-36.489	5
78	MP1C	Mx	0	5
79	MP5B	X	55.372	2.5
80	MP5B	Z	-31.969	2.5
81	MP5B	Mx	.028	2.5
82	MP5B	X	55.372	5
83	MP5B	Z	-31.969	5
84	MP5B	Mx	.028	5
85	MP5C	X	63.201	2.5
86	MP5C	Z	-36.489	2.5
87	MP5C	Mx	0	2.5
88	MP5C	X	63.201	5
89	MP5C	Z	-36.489	5
90	MP5C	Mx	0	5
91	MP3A	X	7.574	1
92	MP3A	Z	-4.373	1
93	MP3A	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP3B	X	8.305	1
95	MP3B	Z	-4.795	1
96	MP3B	Mx	-.004	1
97	MP3C	X	10.801	1
98	MP3C	Z	-6.236	1
99	MP3C	Mx	0	1
100	MP2A	X	41.015	3
101	MP2A	Z	-23.68	3
102	MP2A	Mx	.021	3
103	MP2B	X	41.015	3
104	MP2B	Z	-23.68	3
105	MP2B	Mx	-.021	3
106	MP2C	X	54.59	3
107	MP2C	Z	-31.517	3
108	MP2C	Mx	0	3
109	MP3A	X	30.312	3
110	MP3A	Z	-17.501	3
111	MP3A	Mx	.017	3
112	MP3B	X	35.815	3
113	MP3B	Z	-20.678	3
114	MP3B	Mx	-.018	3
115	MP3C	X	54.59	3
116	MP3C	Z	-31.517	3
117	MP3C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	122.618	2
2	MP3A	Z	0	2
3	MP3A	Mx	.002	2
4	MP3A	X	122.618	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.002	5.5
7	MP3B	X	140.367	2
8	MP3B	Z	0	2
9	MP3B	Mx	-.041	2
10	MP3B	X	140.367	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.041	5.5
13	MP3C	X	140.367	2
14	MP3C	Z	0	2
15	MP3C	Mx	.111	2
16	MP3C	X	140.367	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.111	5.5
19	MP3A	X	122.618	2
20	MP3A	Z	0	2
21	MP3A	Mx	-.096	2
22	MP3A	X	122.618	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.096	5.5
25	MP3B	X	140.367	2
26	MP3B	Z	0	2
27	MP3B	Mx	.111	2
28	MP3B	X	140.367	5.5
29	MP3B	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP3B	Mx	.111	5.5
31	MP3C	X	140.367	2
32	MP3C	Z	0	2
33	MP3C	Mx	-.041	2
34	MP3C	X	140.367	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.041	5.5
37	MP4A	X	50.928	3
38	MP4A	Z	0	3
39	MP4A	Mx	-.02	3
40	MP4A	X	50.928	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	-.02	4.5
43	MP4B	X	67.164	3
44	MP4B	Z	0	3
45	MP4B	Mx	.017	3
46	MP4B	X	67.164	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	.017	4.5
49	MP4C	X	67.164	3
50	MP4C	Z	0	3
51	MP4C	Mx	.017	3
52	MP4C	X	67.164	4.5
53	MP4C	Z	0	4.5
54	MP4C	Mx	.017	4.5
55	MP1A	X	113.518	2.5
56	MP1A	Z	0	2.5
57	MP1A	Mx	-.043	2.5
58	MP1A	X	113.518	5
59	MP1A	Z	0	5
60	MP1A	Mx	-.043	5
61	MP5A	X	113.518	2.5
62	MP5A	Z	0	2.5
63	MP5A	Mx	-.043	2.5
64	MP5A	X	113.518	5
65	MP5A	Z	0	5
66	MP5A	Mx	-.043	5
67	MP1B	X	69.965	2.5
68	MP1B	Z	0	2.5
69	MP1B	Mx	.017	2.5
70	MP1B	X	69.965	5
71	MP1B	Z	0	5
72	MP1B	Mx	.017	5
73	MP1C	X	69.965	2.5
74	MP1C	Z	0	2.5
75	MP1C	Mx	.017	2.5
76	MP1C	X	69.965	5
77	MP1C	Z	0	5
78	MP1C	Mx	.017	5
79	MP5B	X	69.965	2.5
80	MP5B	Z	0	2.5
81	MP5B	Mx	.017	2.5
82	MP5B	X	69.965	5
83	MP5B	Z	0	5
84	MP5B	Mx	.017	5
85	MP5C	X	69.965	2.5
86	MP5C	Z	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP5C	Mx	.017	2.5
88	MP5C	X	69.965	5
89	MP5C	Z	0	5
90	MP5C	Mx	.017	5
91	MP3A	X	10.217	1
92	MP3A	Z	0	1
93	MP3A	Mx	.004	1
94	MP3B	X	11.511	1
95	MP3B	Z	0	1
96	MP3B	Mx	-.003	1
97	MP3C	X	11.511	1
98	MP3C	Z	0	1
99	MP3C	Mx	-.003	1
100	MP2A	X	42.135	3
101	MP2A	Z	0	3
102	MP2A	Mx	.021	3
103	MP2B	X	57.81	3
104	MP2B	Z	0	3
105	MP2B	Mx	-.014	3
106	MP2C	X	57.81	3
107	MP2C	Z	0	3
108	MP2C	Mx	-.014	3
109	MP3A	X	46.073	3
110	MP3A	Z	0	3
111	MP3A	Mx	.018	3
112	MP3B	X	55.808	3
113	MP3B	Z	0	3
114	MP3B	Mx	-.014	3
115	MP3C	X	55.808	3
116	MP3C	Z	0	3
117	MP3C	Mx	-.014	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	127.632	2
2	MP3A	Z	73.689	2
3	MP3A	Mx	.061	2
4	MP3A	X	127.632	5.5
5	MP3A	Z	73.689	5.5
6	MP3A	Mx	.061	5.5
7	MP3B	X	132.971	2
8	MP3B	Z	76.771	2
9	MP3B	Mx	-.096	2
10	MP3B	X	132.971	5.5
11	MP3B	Z	76.771	5.5
12	MP3B	Mx	-.096	5.5
13	MP3C	X	98.743	2
14	MP3C	Z	57.009	2
15	MP3C	Mx	.085	2
16	MP3C	X	98.743	5.5
17	MP3C	Z	57.009	5.5
18	MP3C	Mx	.085	5.5
19	MP3A	X	127.632	2
20	MP3A	Z	73.689	2
21	MP3A	Mx	-.112	2
22	MP3A	X	127.632	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	73.689	5.5
24	MP3A	Mx	-.112	5.5
25	MP3B	X	132.971	2
26	MP3B	Z	76.771	2
27	MP3B	Mx	.096	2
28	MP3B	X	132.971	5.5
29	MP3B	Z	76.771	5.5
30	MP3B	Mx	.096	5.5
31	MP3C	X	98.743	2
32	MP3C	Z	57.009	2
33	MP3C	Mx	.014	2
34	MP3C	X	98.743	5.5
35	MP3C	Z	57.009	5.5
36	MP3C	Mx	.014	5.5
37	MP4A	X	63.719	3
38	MP4A	Z	36.788	3
39	MP4A	Mx	-.013	3
40	MP4A	X	63.719	4.5
41	MP4A	Z	36.788	4.5
42	MP4A	Mx	-.013	4.5
43	MP4B	X	68.602	3
44	MP4B	Z	39.607	3
45	MP4B	Mx	0	3
46	MP4B	X	68.602	4.5
47	MP4B	Z	39.607	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	37.294	3
50	MP4C	Z	21.531	3
51	MP4C	Mx	.019	3
52	MP4C	X	37.294	4.5
53	MP4C	Z	21.531	4.5
54	MP4C	Mx	.019	4.5
55	MP1A	X	117.53	2.5
56	MP1A	Z	67.856	2.5
57	MP1A	Mx	-.023	2.5
58	MP1A	X	117.53	5
59	MP1A	Z	67.856	5
60	MP1A	Mx	-.023	5
61	MP5A	X	117.53	2.5
62	MP5A	Z	67.856	2.5
63	MP5A	Mx	-.023	2.5
64	MP5A	X	117.53	5
65	MP5A	Z	67.856	5
66	MP5A	Mx	-.023	5
67	MP1B	X	63.201	2.5
68	MP1B	Z	36.489	2.5
69	MP1B	Mx	0	2.5
70	MP1B	X	63.201	5
71	MP1B	Z	36.489	5
72	MP1B	Mx	0	5
73	MP1C	X	55.372	2.5
74	MP1C	Z	31.969	2.5
75	MP1C	Mx	.028	2.5
76	MP1C	X	55.372	5
77	MP1C	Z	31.969	5
78	MP1C	Mx	.028	5
79	MP5B	X	63.201	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP5B	Z	36.489	2.5
81	MP5B	Mx	0	2.5
82	MP5B	X	63.201	5
83	MP5B	Z	36.489	5
84	MP5B	Mx	0	5
85	MP5C	X	55.372	2.5
86	MP5C	Z	31.969	2.5
87	MP5C	Mx	.028	2.5
88	MP5C	X	55.372	5
89	MP5C	Z	31.969	5
90	MP5C	Mx	.028	5
91	MP3A	X	10.412	1
92	MP3A	Z	6.011	1
93	MP3A	Mx	.002	1
94	MP3B	X	10.801	1
95	MP3B	Z	6.236	1
96	MP3B	Mx	0	1
97	MP3C	X	8.305	1
98	MP3C	Z	4.795	1
99	MP3C	Mx	-.004	1
100	MP2A	X	41.015	3
101	MP2A	Z	23.68	3
102	MP2A	Mx	.021	3
103	MP2B	X	54.59	3
104	MP2B	Z	31.517	3
105	MP2B	Mx	0	3
106	MP2C	X	41.015	3
107	MP2C	Z	23.68	3
108	MP2C	Mx	-.021	3
109	MP3A	X	51.661	3
110	MP3A	Z	29.827	3
111	MP3A	Mx	.01	3
112	MP3B	X	54.59	3
113	MP3B	Z	31.517	3
114	MP3B	Mx	0	3
115	MP3C	X	35.815	3
116	MP3C	Z	20.678	3
117	MP3C	Mx	-.018	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	75.976	2
2	MP3A	Z	131.595	2
3	MP3A	Mx	.107	2
4	MP3A	X	75.976	5.5
5	MP3A	Z	131.595	5.5
6	MP3A	Mx	.107	5.5
7	MP3B	X	70.184	2
8	MP3B	Z	121.562	2
9	MP3B	Mx	-.111	2
10	MP3B	X	70.184	5.5
11	MP3B	Z	121.562	5.5
12	MP3B	Mx	-.111	5.5
13	MP3C	X	50.422	2
14	MP3C	Z	87.334	2
15	MP3C	Mx	.05	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3C	X	50.422	5.5
17	MP3C	Z	87.334	5.5
18	MP3C	Mx	.05	5.5
19	MP3A	X	75.976	2
20	MP3A	Z	131.595	2
21	MP3A	Mx	-.08	2
22	MP3A	X	75.976	5.5
23	MP3A	Z	131.595	5.5
24	MP3A	Mx	-.08	5.5
25	MP3B	X	70.184	2
26	MP3B	Z	121.562	2
27	MP3B	Mx	.041	2
28	MP3B	X	70.184	5.5
29	MP3B	Z	121.562	5.5
30	MP3B	Mx	.041	5.5
31	MP3C	X	50.422	2
32	MP3C	Z	87.334	2
33	MP3C	Mx	.05	2
34	MP3C	X	50.422	5.5
35	MP3C	Z	87.334	5.5
36	MP3C	Mx	.05	5.5
37	MP4A	X	38.881	3
38	MP4A	Z	67.343	3
39	MP4A	Mx	.007	3
40	MP4A	X	38.881	4.5
41	MP4A	Z	67.343	4.5
42	MP4A	Mx	.007	4.5
43	MP4B	X	33.582	3
44	MP4B	Z	58.166	3
45	MP4B	Mx	-.017	3
46	MP4B	X	33.582	4.5
47	MP4B	Z	58.166	4.5
48	MP4B	Mx	-.017	4.5
49	MP4C	X	15.506	3
50	MP4C	Z	26.858	3
51	MP4C	Mx	.016	3
52	MP4C	X	15.506	4.5
53	MP4C	Z	26.858	4.5
54	MP4C	Mx	.016	4.5
55	MP1A	X	69.907	2.5
56	MP1A	Z	121.082	2.5
57	MP1A	Mx	.012	2.5
58	MP1A	X	69.907	5
59	MP1A	Z	121.082	5
60	MP1A	Mx	.012	5
61	MP5A	X	69.907	2.5
62	MP5A	Z	121.082	2.5
63	MP5A	Mx	.012	2.5
64	MP5A	X	69.907	5
65	MP5A	Z	121.082	5
66	MP5A	Mx	.012	5
67	MP1B	X	34.983	2.5
68	MP1B	Z	60.592	2.5
69	MP1B	Mx	-.017	2.5
70	MP1B	X	34.983	5
71	MP1B	Z	60.592	5
72	MP1B	Mx	-.017	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP1C	X	30.462	2.5
74	MP1C	Z	52.762	2.5
75	MP1C	Mx	.03	2.5
76	MP1C	X	30.462	5
77	MP1C	Z	52.762	5
78	MP1C	Mx	.03	5
79	MP5B	X	34.983	2.5
80	MP5B	Z	60.592	2.5
81	MP5B	Mx	-.017	2.5
82	MP5B	X	34.983	5
83	MP5B	Z	60.592	5
84	MP5B	Mx	-.017	5
85	MP5C	X	30.462	2.5
86	MP5C	Z	52.762	2.5
87	MP5C	Mx	.03	2.5
88	MP5C	X	30.462	5
89	MP5C	Z	52.762	5
90	MP5C	Mx	.03	5
91	MP3A	X	6.178	1
92	MP3A	Z	10.701	1
93	MP3A	Mx	-.001	1
94	MP3B	X	5.756	1
95	MP3B	Z	9.969	1
96	MP3B	Mx	.003	1
97	MP3C	X	4.315	1
98	MP3C	Z	7.473	1
99	MP3C	Mx	-.004	1
100	MP2A	X	28.905	3
101	MP2A	Z	50.065	3
102	MP2A	Mx	.014	3
103	MP2B	X	28.905	3
104	MP2B	Z	50.065	3
105	MP2B	Mx	.014	3
106	MP2C	X	21.068	3
107	MP2C	Z	36.49	3
108	MP2C	Mx	-.021	3
109	MP3A	X	31.082	3
110	MP3A	Z	53.835	3
111	MP3A	Mx	-.005	3
112	MP3B	X	27.904	3
113	MP3B	Z	48.332	3
114	MP3B	Mx	.014	3
115	MP3C	X	17.065	3
116	MP3C	Z	29.557	3
117	MP3C	Mx	-.017	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2
2	MP3A	Z	131.768	2
3	MP3A	Mx	.105	2
4	MP3A	X	0	5.5
5	MP3A	Z	131.768	5.5
6	MP3A	Mx	.105	5.5
7	MP3B	X	0	2
8	MP3B	Z	114.019	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	-.085	2
10	MP3B	X	0	5.5
11	MP3B	Z	114.019	5.5
12	MP3B	Mx	-.085	5.5
13	MP3C	X	0	2
14	MP3C	Z	114.019	2
15	MP3C	Mx	.014	2
16	MP3C	X	0	5.5
17	MP3C	Z	114.019	5.5
18	MP3C	Mx	.014	5.5
19	MP3A	X	0	2
20	MP3A	Z	131.768	2
21	MP3A	Mx	-.021	2
22	MP3A	X	0	5.5
23	MP3A	Z	131.768	5.5
24	MP3A	Mx	-.021	5.5
25	MP3B	X	0	2
26	MP3B	Z	114.019	2
27	MP3B	Mx	-.014	2
28	MP3B	X	0	5.5
29	MP3B	Z	114.019	5.5
30	MP3B	Mx	-.014	5.5
31	MP3C	X	0	2
32	MP3C	Z	114.019	2
33	MP3C	Mx	.085	2
34	MP3C	X	0	5.5
35	MP3C	Z	114.019	5.5
36	MP3C	Mx	.085	5.5
37	MP4A	X	0	3
38	MP4A	Z	59.299	3
39	MP4A	Mx	.019	3
40	MP4A	X	0	4.5
41	MP4A	Z	59.299	4.5
42	MP4A	Mx	.019	4.5
43	MP4B	X	0	3
44	MP4B	Z	43.063	3
45	MP4B	Mx	-.019	3
46	MP4B	X	0	4.5
47	MP4B	Z	43.063	4.5
48	MP4B	Mx	-.019	4.5
49	MP4C	X	0	3
50	MP4C	Z	43.063	3
51	MP4C	Mx	.019	3
52	MP4C	X	0	4.5
53	MP4C	Z	43.063	4.5
54	MP4C	Mx	.019	4.5
55	MP1A	X	0	2.5
56	MP1A	Z	121.721	2.5
57	MP1A	Mx	.039	2.5
58	MP1A	X	0	5
59	MP1A	Z	121.721	5
60	MP1A	Mx	.039	5
61	MP5A	X	0	2.5
62	MP5A	Z	121.721	2.5
63	MP5A	Mx	.039	2.5
64	MP5A	X	0	5
65	MP5A	Z	121.721	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP5A	Mx	.039	5
67	MP1B	X	0	2.5
68	MP1B	Z	63.938	2.5
69	MP1B	Mx	-.028	2.5
70	MP1B	X	0	5
71	MP1B	Z	63.938	5
72	MP1B	Mx	-.028	5
73	MP1C	X	0	2.5
74	MP1C	Z	63.938	2.5
75	MP1C	Mx	.028	2.5
76	MP1C	X	0	5
77	MP1C	Z	63.938	5
78	MP1C	Mx	.028	5
79	MP5B	X	0	2.5
80	MP5B	Z	63.938	2.5
81	MP5B	Mx	-.028	2.5
82	MP5B	X	0	5
83	MP5B	Z	63.938	5
84	MP5B	Mx	-.028	5
85	MP5C	X	0	2.5
86	MP5C	Z	63.938	2.5
87	MP5C	Mx	.028	2.5
88	MP5C	X	0	5
89	MP5C	Z	63.938	5
90	MP5C	Mx	.028	5
91	MP3A	X	0	1
92	MP3A	Z	10.884	1
93	MP3A	Mx	-.003	1
94	MP3B	X	0	1
95	MP3B	Z	9.59	1
96	MP3B	Mx	.004	1
97	MP3C	X	0	1
98	MP3C	Z	9.59	1
99	MP3C	Mx	-.004	1
100	MP2A	X	0	3
101	MP2A	Z	63.035	3
102	MP2A	Mx	0	3
103	MP2B	X	0	3
104	MP2B	Z	47.36	3
105	MP2B	Mx	.021	3
106	MP2C	X	0	3
107	MP2C	Z	47.36	3
108	MP2C	Mx	-.021	3
109	MP3A	X	0	3
110	MP3A	Z	51.092	3
111	MP3A	Mx	-.016	3
112	MP3B	X	0	3
113	MP3B	Z	41.356	3
114	MP3B	Mx	.018	3
115	MP3C	X	0	3
116	MP3C	Z	41.356	3
117	MP3C	Mx	-.018	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-53.504	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	Z	92.672	2
3	MP3A	Mx	.073	2
4	MP3A	X	-53.504	5.5
5	MP3A	Z	92.672	5.5
6	MP3A	Mx	.073	5.5
7	MP3B	X	-50.422	2
8	MP3B	Z	87.334	2
9	MP3B	Mx	-.05	2
10	MP3B	X	-50.422	5.5
11	MP3B	Z	87.334	5.5
12	MP3B	Mx	-.05	5.5
13	MP3C	X	-70.184	2
14	MP3C	Z	121.562	2
15	MP3C	Mx	-.041	2
16	MP3C	X	-70.184	5.5
17	MP3C	Z	121.562	5.5
18	MP3C	Mx	-.041	5.5
19	MP3A	X	-53.504	2
20	MP3A	Z	92.672	2
21	MP3A	Mx	.027	2
22	MP3A	X	-53.504	5.5
23	MP3A	Z	92.672	5.5
24	MP3A	Mx	.027	5.5
25	MP3B	X	-50.422	2
26	MP3B	Z	87.334	2
27	MP3B	Mx	-.05	2
28	MP3B	X	-50.422	5.5
29	MP3B	Z	87.334	5.5
30	MP3B	Mx	-.05	5.5
31	MP3C	X	-70.184	2
32	MP3C	Z	121.562	2
33	MP3C	Mx	.111	2
34	MP3C	X	-70.184	5.5
35	MP3C	Z	121.562	5.5
36	MP3C	Mx	.111	5.5
37	MP4A	X	-18.326	3
38	MP4A	Z	31.741	3
39	MP4A	Mx	.017	3
40	MP4A	X	-18.326	4.5
41	MP4A	Z	31.741	4.5
42	MP4A	Mx	.017	4.5
43	MP4B	X	-15.506	3
44	MP4B	Z	26.858	3
45	MP4B	Mx	-.016	3
46	MP4B	X	-15.506	4.5
47	MP4B	Z	26.858	4.5
48	MP4B	Mx	-.016	4.5
49	MP4C	X	-33.582	3
50	MP4C	Z	58.166	3
51	MP4C	Mx	.017	3
52	MP4C	X	-33.582	4.5
53	MP4C	Z	58.166	4.5
54	MP4C	Mx	.017	4.5
55	MP1A	X	-49.763	2.5
56	MP1A	Z	86.193	2.5
57	MP1A	Mx	.047	2.5
58	MP1A	X	-49.763	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP1A	Z	86.193	5
60	MP1A	Mx	.047	5
61	MP5A	X	-49.763	2.5
62	MP5A	Z	86.193	2.5
63	MP5A	Mx	.047	2.5
64	MP5A	X	-49.763	5
65	MP5A	Z	86.193	5
66	MP5A	Mx	.047	5
67	MP1B	X	-30.462	2.5
68	MP1B	Z	52.762	2.5
69	MP1B	Mx	-.03	2.5
70	MP1B	X	-30.462	5
71	MP1B	Z	52.762	5
72	MP1B	Mx	-.03	5
73	MP1C	X	-34.983	2.5
74	MP1C	Z	60.592	2.5
75	MP1C	Mx	.017	2.5
76	MP1C	X	-34.983	5
77	MP1C	Z	60.592	5
78	MP1C	Mx	.017	5
79	MP5B	X	-30.462	2.5
80	MP5B	Z	52.762	2.5
81	MP5B	Mx	-.03	2.5
82	MP5B	X	-30.462	5
83	MP5B	Z	52.762	5
84	MP5B	Mx	-.03	5
85	MP5C	X	-34.983	2.5
86	MP5C	Z	60.592	2.5
87	MP5C	Mx	.017	2.5
88	MP5C	X	-34.983	5
89	MP5C	Z	60.592	5
90	MP5C	Mx	.017	5
91	MP3A	X	-4.539	1
92	MP3A	Z	7.863	1
93	MP3A	Mx	-.004	1
94	MP3B	X	-4.315	1
95	MP3B	Z	7.473	1
96	MP3B	Mx	.004	1
97	MP3C	X	-5.756	1
98	MP3C	Z	9.969	1
99	MP3C	Mx	-.003	1
100	MP2A	X	-28.905	3
101	MP2A	Z	50.065	3
102	MP2A	Mx	-.014	3
103	MP2B	X	-21.068	3
104	MP2B	Z	36.49	3
105	MP2B	Mx	.021	3
106	MP2C	X	-28.905	3
107	MP2C	Z	50.065	3
108	MP2C	Mx	-.014	3
109	MP3A	X	-18.755	3
110	MP3A	Z	32.485	3
111	MP3A	Mx	-.018	3
112	MP3B	X	-17.065	3
113	MP3B	Z	29.557	3
114	MP3B	Mx	.017	3
115	MP3C	X	-27.904	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP3C	Z	48.332	3
117	MP3C	Mx	-.014	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-88.71	2
2	MP3A	Z	51.217	2
3	MP3A	Mx	.039	2
4	MP3A	X	-88.71	5.5
5	MP3A	Z	51.217	5.5
6	MP3A	Mx	.039	5.5
7	MP3B	X	-98.743	2
8	MP3B	Z	57.009	2
9	MP3B	Mx	-.014	2
10	MP3B	X	-98.743	5.5
11	MP3B	Z	57.009	5.5
12	MP3B	Mx	-.014	5.5
13	MP3C	X	-132.971	2
14	MP3C	Z	76.771	2
15	MP3C	Mx	-.096	2
16	MP3C	X	-132.971	5.5
17	MP3C	Z	76.771	5.5
18	MP3C	Mx	-.096	5.5
19	MP3A	X	-88.71	2
20	MP3A	Z	51.217	2
21	MP3A	Mx	.062	2
22	MP3A	X	-88.71	5.5
23	MP3A	Z	51.217	5.5
24	MP3A	Mx	.062	5.5
25	MP3B	X	-98.743	2
26	MP3B	Z	57.009	2
27	MP3B	Mx	-.085	2
28	MP3B	X	-98.743	5.5
29	MP3B	Z	57.009	5.5
30	MP3B	Mx	-.085	5.5
31	MP3C	X	-132.971	2
32	MP3C	Z	76.771	2
33	MP3C	Mx	.096	2
34	MP3C	X	-132.971	5.5
35	MP3C	Z	76.771	5.5
36	MP3C	Mx	.096	5.5
37	MP4A	X	-28.116	3
38	MP4A	Z	16.233	3
39	MP4A	Mx	.016	3
40	MP4A	X	-28.116	4.5
41	MP4A	Z	16.233	4.5
42	MP4A	Mx	.016	4.5
43	MP4B	X	-37.294	3
44	MP4B	Z	21.531	3
45	MP4B	Mx	-.019	3
46	MP4B	X	-37.294	4.5
47	MP4B	Z	21.531	4.5
48	MP4B	Mx	-.019	4.5
49	MP4C	X	-68.602	3
50	MP4C	Z	39.607	3
51	MP4C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	-68.602	4.5
53	MP4C	Z	39.607	4.5
54	MP4C	Mx	0	4.5
55	MP1A	X	-82.641	2.5
56	MP1A	Z	47.713	2.5
57	MP1A	Mx	.047	2.5
58	MP1A	X	-82.641	5
59	MP1A	Z	47.713	5
60	MP1A	Mx	.047	5
61	MP5A	X	-82.641	2.5
62	MP5A	Z	47.713	2.5
63	MP5A	Mx	.047	2.5
64	MP5A	X	-82.641	5
65	MP5A	Z	47.713	5
66	MP5A	Mx	.047	5
67	MP1B	X	-55.372	2.5
68	MP1B	Z	31.969	2.5
69	MP1B	Mx	-.028	2.5
70	MP1B	X	-55.372	5
71	MP1B	Z	31.969	5
72	MP1B	Mx	-.028	5
73	MP1C	X	-63.201	2.5
74	MP1C	Z	36.489	2.5
75	MP1C	Mx	0	2.5
76	MP1C	X	-63.201	5
77	MP1C	Z	36.489	5
78	MP1C	Mx	0	5
79	MP5B	X	-55.372	2.5
80	MP5B	Z	31.969	2.5
81	MP5B	Mx	-.028	2.5
82	MP5B	X	-55.372	5
83	MP5B	Z	31.969	5
84	MP5B	Mx	-.028	5
85	MP5C	X	-63.201	2.5
86	MP5C	Z	36.489	2.5
87	MP5C	Mx	0	2.5
88	MP5C	X	-63.201	5
89	MP5C	Z	36.489	5
90	MP5C	Mx	0	5
91	MP3A	X	-7.574	1
92	MP3A	Z	4.373	1
93	MP3A	Mx	-.004	1
94	MP3B	X	-8.305	1
95	MP3B	Z	4.795	1
96	MP3B	Mx	.004	1
97	MP3C	X	-10.801	1
98	MP3C	Z	6.236	1
99	MP3C	Mx	0	1
100	MP2A	X	-41.015	3
101	MP2A	Z	23.68	3
102	MP2A	Mx	-.021	3
103	MP2B	X	-41.015	3
104	MP2B	Z	23.68	3
105	MP2B	Mx	.021	3
106	MP2C	X	-54.59	3
107	MP2C	Z	31.517	3
108	MP2C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP3A	X	-30.312	3
110	MP3A	Z	17.501	3
111	MP3A	Mx	-.017	3
112	MP3B	X	-35.815	3
113	MP3B	Z	20.678	3
114	MP3B	Mx	.018	3
115	MP3C	X	-54.59	3
116	MP3C	Z	31.517	3
117	MP3C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-122.618	2
2	MP3A	Z	0	2
3	MP3A	Mx	-.002	2
4	MP3A	X	-122.618	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.002	5.5
7	MP3B	X	-140.367	2
8	MP3B	Z	0	2
9	MP3B	Mx	.041	2
10	MP3B	X	-140.367	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.041	5.5
13	MP3C	X	-140.367	2
14	MP3C	Z	0	2
15	MP3C	Mx	-.111	2
16	MP3C	X	-140.367	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.111	5.5
19	MP3A	X	-122.618	2
20	MP3A	Z	0	2
21	MP3A	Mx	.096	2
22	MP3A	X	-122.618	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.096	5.5
25	MP3B	X	-140.367	2
26	MP3B	Z	0	2
27	MP3B	Mx	-.111	2
28	MP3B	X	-140.367	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.111	5.5
31	MP3C	X	-140.367	2
32	MP3C	Z	0	2
33	MP3C	Mx	.041	2
34	MP3C	X	-140.367	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.041	5.5
37	MP4A	X	-50.928	3
38	MP4A	Z	0	3
39	MP4A	Mx	.02	3
40	MP4A	X	-50.928	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	.02	4.5
43	MP4B	X	-67.164	3
44	MP4B	Z	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP4B	Mx	-.017	3
46	MP4B	X	-67.164	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	-.017	4.5
49	MP4C	X	-67.164	3
50	MP4C	Z	0	3
51	MP4C	Mx	-.017	3
52	MP4C	X	-67.164	4.5
53	MP4C	Z	0	4.5
54	MP4C	Mx	-.017	4.5
55	MP1A	X	-113.518	2.5
56	MP1A	Z	0	2.5
57	MP1A	Mx	.043	2.5
58	MP1A	X	-113.518	5
59	MP1A	Z	0	5
60	MP1A	Mx	.043	5
61	MP5A	X	-113.518	2.5
62	MP5A	Z	0	2.5
63	MP5A	Mx	.043	2.5
64	MP5A	X	-113.518	5
65	MP5A	Z	0	5
66	MP5A	Mx	.043	5
67	MP1B	X	-69.965	2.5
68	MP1B	Z	0	2.5
69	MP1B	Mx	-.017	2.5
70	MP1B	X	-69.965	5
71	MP1B	Z	0	5
72	MP1B	Mx	-.017	5
73	MP1C	X	-69.965	2.5
74	MP1C	Z	0	2.5
75	MP1C	Mx	-.017	2.5
76	MP1C	X	-69.965	5
77	MP1C	Z	0	5
78	MP1C	Mx	-.017	5
79	MP5B	X	-69.965	2.5
80	MP5B	Z	0	2.5
81	MP5B	Mx	-.017	2.5
82	MP5B	X	-69.965	5
83	MP5B	Z	0	5
84	MP5B	Mx	-.017	5
85	MP5C	X	-69.965	2.5
86	MP5C	Z	0	2.5
87	MP5C	Mx	-.017	2.5
88	MP5C	X	-69.965	5
89	MP5C	Z	0	5
90	MP5C	Mx	-.017	5
91	MP3A	X	-10.217	1
92	MP3A	Z	0	1
93	MP3A	Mx	-.004	1
94	MP3B	X	-11.511	1
95	MP3B	Z	0	1
96	MP3B	Mx	.003	1
97	MP3C	X	-11.511	1
98	MP3C	Z	0	1
99	MP3C	Mx	.003	1
100	MP2A	X	-42.135	3
101	MP2A	Z	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP2A	Mx	-.021	3
103	MP2B	X	-57.81	3
104	MP2B	Z	0	3
105	MP2B	Mx	.014	3
106	MP2C	X	-57.81	3
107	MP2C	Z	0	3
108	MP2C	Mx	.014	3
109	MP3A	X	-46.073	3
110	MP3A	Z	0	3
111	MP3A	Mx	-.018	3
112	MP3B	X	-55.808	3
113	MP3B	Z	0	3
114	MP3B	Mx	.014	3
115	MP3C	X	-55.808	3
116	MP3C	Z	0	3
117	MP3C	Mx	.014	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-127.632	2
2	MP3A	Z	-73.689	2
3	MP3A	Mx	-.061	2
4	MP3A	X	-127.632	5.5
5	MP3A	Z	-73.689	5.5
6	MP3A	Mx	-.061	5.5
7	MP3B	X	-132.971	2
8	MP3B	Z	-76.771	2
9	MP3B	Mx	.096	2
10	MP3B	X	-132.971	5.5
11	MP3B	Z	-76.771	5.5
12	MP3B	Mx	.096	5.5
13	MP3C	X	-98.743	2
14	MP3C	Z	-57.009	2
15	MP3C	Mx	-.085	2
16	MP3C	X	-98.743	5.5
17	MP3C	Z	-57.009	5.5
18	MP3C	Mx	-.085	5.5
19	MP3A	X	-127.632	2
20	MP3A	Z	-73.689	2
21	MP3A	Mx	.112	2
22	MP3A	X	-127.632	5.5
23	MP3A	Z	-73.689	5.5
24	MP3A	Mx	.112	5.5
25	MP3B	X	-132.971	2
26	MP3B	Z	-76.771	2
27	MP3B	Mx	-.096	2
28	MP3B	X	-132.971	5.5
29	MP3B	Z	-76.771	5.5
30	MP3B	Mx	-.096	5.5
31	MP3C	X	-98.743	2
32	MP3C	Z	-57.009	2
33	MP3C	Mx	-.014	2
34	MP3C	X	-98.743	5.5
35	MP3C	Z	-57.009	5.5
36	MP3C	Mx	-.014	5.5
37	MP4A	X	-63.719	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP4A	Z	-36.788	3
39	MP4A	Mx	.013	3
40	MP4A	X	-63.719	4.5
41	MP4A	Z	-36.788	4.5
42	MP4A	Mx	.013	4.5
43	MP4B	X	-68.602	3
44	MP4B	Z	-39.607	3
45	MP4B	Mx	0	3
46	MP4B	X	-68.602	4.5
47	MP4B	Z	-39.607	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	-37.294	3
50	MP4C	Z	-21.531	3
51	MP4C	Mx	-.019	3
52	MP4C	X	-37.294	4.5
53	MP4C	Z	-21.531	4.5
54	MP4C	Mx	-.019	4.5
55	MP1A	X	-117.53	2.5
56	MP1A	Z	-67.856	2.5
57	MP1A	Mx	.023	2.5
58	MP1A	X	-117.53	5
59	MP1A	Z	-67.856	5
60	MP1A	Mx	.023	5
61	MP5A	X	-117.53	2.5
62	MP5A	Z	-67.856	2.5
63	MP5A	Mx	.023	2.5
64	MP5A	X	-117.53	5
65	MP5A	Z	-67.856	5
66	MP5A	Mx	.023	5
67	MP1B	X	-63.201	2.5
68	MP1B	Z	-36.489	2.5
69	MP1B	Mx	0	2.5
70	MP1B	X	-63.201	5
71	MP1B	Z	-36.489	5
72	MP1B	Mx	0	5
73	MP1C	X	-55.372	2.5
74	MP1C	Z	-31.969	2.5
75	MP1C	Mx	-.028	2.5
76	MP1C	X	-55.372	5
77	MP1C	Z	-31.969	5
78	MP1C	Mx	-.028	5
79	MP5B	X	-63.201	2.5
80	MP5B	Z	-36.489	2.5
81	MP5B	Mx	0	2.5
82	MP5B	X	-63.201	5
83	MP5B	Z	-36.489	5
84	MP5B	Mx	0	5
85	MP5C	X	-55.372	2.5
86	MP5C	Z	-31.969	2.5
87	MP5C	Mx	-.028	2.5
88	MP5C	X	-55.372	5
89	MP5C	Z	-31.969	5
90	MP5C	Mx	-.028	5
91	MP3A	X	-10.412	1
92	MP3A	Z	-6.011	1
93	MP3A	Mx	-.002	1
94	MP3B	X	-10.801	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP3B	Z	-6.236	1
96	MP3B	Mx	0	1
97	MP3C	X	-8.305	1
98	MP3C	Z	-4.795	1
99	MP3C	Mx	.004	1
100	MP2A	X	-41.015	3
101	MP2A	Z	-23.68	3
102	MP2A	Mx	-.021	3
103	MP2B	X	-54.59	3
104	MP2B	Z	-31.517	3
105	MP2B	Mx	0	3
106	MP2C	X	-41.015	3
107	MP2C	Z	-23.68	3
108	MP2C	Mx	.021	3
109	MP3A	X	-51.661	3
110	MP3A	Z	-29.827	3
111	MP3A	Mx	-.01	3
112	MP3B	X	-54.59	3
113	MP3B	Z	-31.517	3
114	MP3B	Mx	0	3
115	MP3C	X	-35.815	3
116	MP3C	Z	-20.678	3
117	MP3C	Mx	.018	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-75.976	2
2	MP3A	Z	-131.595	2
3	MP3A	Mx	-.107	2
4	MP3A	X	-75.976	5.5
5	MP3A	Z	-131.595	5.5
6	MP3A	Mx	-.107	5.5
7	MP3B	X	-70.184	2
8	MP3B	Z	-121.562	2
9	MP3B	Mx	.111	2
10	MP3B	X	-70.184	5.5
11	MP3B	Z	-121.562	5.5
12	MP3B	Mx	.111	5.5
13	MP3C	X	-50.422	2
14	MP3C	Z	-87.334	2
15	MP3C	Mx	-.05	2
16	MP3C	X	-50.422	5.5
17	MP3C	Z	-87.334	5.5
18	MP3C	Mx	-.05	5.5
19	MP3A	X	-75.976	2
20	MP3A	Z	-131.595	2
21	MP3A	Mx	.08	2
22	MP3A	X	-75.976	5.5
23	MP3A	Z	-131.595	5.5
24	MP3A	Mx	.08	5.5
25	MP3B	X	-70.184	2
26	MP3B	Z	-121.562	2
27	MP3B	Mx	-.041	2
28	MP3B	X	-70.184	5.5
29	MP3B	Z	-121.562	5.5
30	MP3B	Mx	-.041	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP3C	X	-50.422	2
32	MP3C	Z	-87.334	2
33	MP3C	Mx	-.05	2
34	MP3C	X	-50.422	5.5
35	MP3C	Z	-87.334	5.5
36	MP3C	Mx	-.05	5.5
37	MP4A	X	-38.881	3
38	MP4A	Z	-67.343	3
39	MP4A	Mx	-.007	3
40	MP4A	X	-38.881	4.5
41	MP4A	Z	-67.343	4.5
42	MP4A	Mx	-.007	4.5
43	MP4B	X	-33.582	3
44	MP4B	Z	-58.166	3
45	MP4B	Mx	.017	3
46	MP4B	X	-33.582	4.5
47	MP4B	Z	-58.166	4.5
48	MP4B	Mx	.017	4.5
49	MP4C	X	-15.506	3
50	MP4C	Z	-26.858	3
51	MP4C	Mx	-.016	3
52	MP4C	X	-15.506	4.5
53	MP4C	Z	-26.858	4.5
54	MP4C	Mx	-.016	4.5
55	MP1A	X	-69.907	2.5
56	MP1A	Z	-121.082	2.5
57	MP1A	Mx	-.012	2.5
58	MP1A	X	-69.907	5
59	MP1A	Z	-121.082	5
60	MP1A	Mx	-.012	5
61	MP5A	X	-69.907	2.5
62	MP5A	Z	-121.082	2.5
63	MP5A	Mx	-.012	2.5
64	MP5A	X	-69.907	5
65	MP5A	Z	-121.082	5
66	MP5A	Mx	-.012	5
67	MP1B	X	-34.983	2.5
68	MP1B	Z	-60.592	2.5
69	MP1B	Mx	.017	2.5
70	MP1B	X	-34.983	5
71	MP1B	Z	-60.592	5
72	MP1B	Mx	.017	5
73	MP1C	X	-30.462	2.5
74	MP1C	Z	-52.762	2.5
75	MP1C	Mx	-.03	2.5
76	MP1C	X	-30.462	5
77	MP1C	Z	-52.762	5
78	MP1C	Mx	-.03	5
79	MP5B	X	-34.983	2.5
80	MP5B	Z	-60.592	2.5
81	MP5B	Mx	.017	2.5
82	MP5B	X	-34.983	5
83	MP5B	Z	-60.592	5
84	MP5B	Mx	.017	5
85	MP5C	X	-30.462	2.5
86	MP5C	Z	-52.762	2.5
87	MP5C	Mx	-.03	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP5C	X	-30.462	5
89	MP5C	Z	-52.762	5
90	MP5C	Mx	-.03	5
91	MP3A	X	-6.178	1
92	MP3A	Z	-10.701	1
93	MP3A	Mx	.001	1
94	MP3B	X	-5.756	1
95	MP3B	Z	-9.969	1
96	MP3B	Mx	-.003	1
97	MP3C	X	-4.315	1
98	MP3C	Z	-7.473	1
99	MP3C	Mx	.004	1
100	MP2A	X	-28.905	3
101	MP2A	Z	-50.065	3
102	MP2A	Mx	-.014	3
103	MP2B	X	-28.905	3
104	MP2B	Z	-50.065	3
105	MP2B	Mx	-.014	3
106	MP2C	X	-21.068	3
107	MP2C	Z	-36.49	3
108	MP2C	Mx	.021	3
109	MP3A	X	-31.082	3
110	MP3A	Z	-53.835	3
111	MP3A	Mx	.005	3
112	MP3B	X	-27.904	3
113	MP3B	Z	-48.332	3
114	MP3B	Mx	-.014	3
115	MP3C	X	-17.065	3
116	MP3C	Z	-29.557	3
117	MP3C	Mx	.017	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2
2	MP3A	Z	-26.272	2
3	MP3A	Mx	-.021	2
4	MP3A	X	0	5.5
5	MP3A	Z	-26.272	5.5
6	MP3A	Mx	-.021	5.5
7	MP3B	X	0	2
8	MP3B	Z	-23.037	2
9	MP3B	Mx	.017	2
10	MP3B	X	0	5.5
11	MP3B	Z	-23.037	5.5
12	MP3B	Mx	.017	5.5
13	MP3C	X	0	2
14	MP3C	Z	-23.037	2
15	MP3C	Mx	-.003	2
16	MP3C	X	0	5.5
17	MP3C	Z	-23.037	5.5
18	MP3C	Mx	-.003	5.5
19	MP3A	X	0	2
20	MP3A	Z	-26.272	2
21	MP3A	Mx	.004	2
22	MP3A	X	0	5.5
23	MP3A	Z	-26.272	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3A	Mx	.004	5.5
25	MP3B	X	0	2
26	MP3B	Z	-23.037	2
27	MP3B	Mx	.003	2
28	MP3B	X	0	5.5
29	MP3B	Z	-23.037	5.5
30	MP3B	Mx	.003	5.5
31	MP3C	X	0	2
32	MP3C	Z	-23.037	2
33	MP3C	Mx	-.017	2
34	MP3C	X	0	5.5
35	MP3C	Z	-23.037	5.5
36	MP3C	Mx	-.017	5.5
37	MP4A	X	0	3
38	MP4A	Z	-12.275	3
39	MP4A	Mx	-.004	3
40	MP4A	X	0	4.5
41	MP4A	Z	-12.275	4.5
42	MP4A	Mx	-.004	4.5
43	MP4B	X	0	3
44	MP4B	Z	-9.167	3
45	MP4B	Mx	.004	3
46	MP4B	X	0	4.5
47	MP4B	Z	-9.167	4.5
48	MP4B	Mx	.004	4.5
49	MP4C	X	0	3
50	MP4C	Z	-9.167	3
51	MP4C	Mx	-.004	3
52	MP4C	X	0	4.5
53	MP4C	Z	-9.167	4.5
54	MP4C	Mx	-.004	4.5
55	MP1A	X	0	2.5
56	MP1A	Z	-24.103	2.5
57	MP1A	Mx	-.008	2.5
58	MP1A	X	0	5
59	MP1A	Z	-24.103	5
60	MP1A	Mx	-.008	5
61	MP5A	X	0	2.5
62	MP5A	Z	-24.103	2.5
63	MP5A	Mx	-.008	2.5
64	MP5A	X	0	5
65	MP5A	Z	-24.103	5
66	MP5A	Mx	-.008	5
67	MP1B	X	0	2.5
68	MP1B	Z	-13.263	2.5
69	MP1B	Mx	.006	2.5
70	MP1B	X	0	5
71	MP1B	Z	-13.263	5
72	MP1B	Mx	.006	5
73	MP1C	X	0	2.5
74	MP1C	Z	-13.263	2.5
75	MP1C	Mx	-.006	2.5
76	MP1C	X	0	5
77	MP1C	Z	-13.263	5
78	MP1C	Mx	-.006	5
79	MP5B	X	0	2.5
80	MP5B	Z	-13.263	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP5B	Mx	.006	2.5
82	MP5B	X	0	5
83	MP5B	Z	-13.263	5
84	MP5B	Mx	.006	5
85	MP5C	X	0	2.5
86	MP5C	Z	-13.263	2.5
87	MP5C	Mx	-.006	2.5
88	MP5C	X	0	5
89	MP5C	Z	-13.263	5
90	MP5C	Mx	-.006	5
91	MP3A	X	0	1
92	MP3A	Z	-2.961	1
93	MP3A	Mx	.000952	1
94	MP3B	X	0	1
95	MP3B	Z	-2.684	1
96	MP3B	Mx	-.001	1
97	MP3C	X	0	1
98	MP3C	Z	-2.684	1
99	MP3C	Mx	.001	1
100	MP2A	X	0	3
101	MP2A	Z	-13.568	3
102	MP2A	Mx	0	3
103	MP2B	X	0	3
104	MP2B	Z	-10.474	3
105	MP2B	Mx	-.005	3
106	MP2C	X	0	3
107	MP2C	Z	-10.474	3
108	MP2C	Mx	.005	3
109	MP3A	X	0	3
110	MP3A	Z	-11.215	3
111	MP3A	Mx	.004	3
112	MP3B	X	0	3
113	MP3B	Z	-9.298	3
114	MP3B	Mx	-.004	3
115	MP3C	X	0	3
116	MP3C	Z	-9.298	3
117	MP3C	Mx	.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	10.88	2
2	MP3A	Z	-18.845	2
3	MP3A	Mx	-.015	2
4	MP3A	X	10.88	5.5
5	MP3A	Z	-18.845	5.5
6	MP3A	Mx	-.015	5.5
7	MP3B	X	10.318	2
8	MP3B	Z	-17.872	2
9	MP3B	Mx	.01	2
10	MP3B	X	10.318	5.5
11	MP3B	Z	-17.872	5.5
12	MP3B	Mx	.01	5.5
13	MP3C	X	13.92	2
14	MP3C	Z	-24.109	2
15	MP3C	Mx	.008	2
16	MP3C	X	13.92	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	-24.109	5.5
18	MP3C	Mx	.008	5.5
19	MP3A	X	10.88	2
20	MP3A	Z	-18.845	2
21	MP3A	Mx	-.006	2
22	MP3A	X	10.88	5.5
23	MP3A	Z	-18.845	5.5
24	MP3A	Mx	-.006	5.5
25	MP3B	X	10.318	2
26	MP3B	Z	-17.872	2
27	MP3B	Mx	.01	2
28	MP3B	X	10.318	5.5
29	MP3B	Z	-17.872	5.5
30	MP3B	Mx	.01	5.5
31	MP3C	X	13.92	2
32	MP3C	Z	-24.109	2
33	MP3C	Mx	-.022	2
34	MP3C	X	13.92	5.5
35	MP3C	Z	-24.109	5.5
36	MP3C	Mx	-.022	5.5
37	MP4A	X	3.97	3
38	MP4A	Z	-6.876	3
39	MP4A	Mx	-.004	3
40	MP4A	X	3.97	4.5
41	MP4A	Z	-6.876	4.5
42	MP4A	Mx	-.004	4.5
43	MP4B	X	3.43	3
44	MP4B	Z	-5.941	3
45	MP4B	Mx	.003	3
46	MP4B	X	3.43	4.5
47	MP4B	Z	-5.941	4.5
48	MP4B	Mx	.003	4.5
49	MP4C	X	6.891	3
50	MP4C	Z	-11.935	3
51	MP4C	Mx	-.003	3
52	MP4C	X	6.891	4.5
53	MP4C	Z	-11.935	4.5
54	MP4C	Mx	-.003	4.5
55	MP1A	X	9.958	2.5
56	MP1A	Z	-17.248	2.5
57	MP1A	Mx	-.009	2.5
58	MP1A	X	9.958	5
59	MP1A	Z	-17.248	5
60	MP1A	Mx	-.009	5
61	MP5A	X	9.958	2.5
62	MP5A	Z	-17.248	2.5
63	MP5A	Mx	-.009	2.5
64	MP5A	X	9.958	5
65	MP5A	Z	-17.248	5
66	MP5A	Mx	-.009	5
67	MP1B	X	6.344	2.5
68	MP1B	Z	-10.987	2.5
69	MP1B	Mx	.006	2.5
70	MP1B	X	6.344	5
71	MP1B	Z	-10.987	5
72	MP1B	Mx	.006	5
73	MP1C	X	7.207	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1C	Z	-12.482	2.5
75	MP1C	Mx	-.004	2.5
76	MP1C	X	7.207	5
77	MP1C	Z	-12.482	5
78	MP1C	Mx	-.004	5
79	MP5B	X	6.344	2.5
80	MP5B	Z	-10.987	2.5
81	MP5B	Mx	.006	2.5
82	MP5B	X	6.344	5
83	MP5B	Z	-10.987	5
84	MP5B	Mx	.006	5
85	MP5C	X	7.207	2.5
86	MP5C	Z	-12.482	2.5
87	MP5C	Mx	-.004	2.5
88	MP5C	X	7.207	5
89	MP5C	Z	-12.482	5
90	MP5C	Mx	-.004	5
91	MP3A	X	1.287	1
92	MP3A	Z	-2.23	1
93	MP3A	Mx	.001	1
94	MP3B	X	1.239	1
95	MP3B	Z	-2.147	1
96	MP3B	Mx	-.001	1
97	MP3C	X	1.548	1
98	MP3C	Z	-2.68	1
99	MP3C	Mx	.000773	1
100	MP2A	X	6.268	3
101	MP2A	Z	-10.857	3
102	MP2A	Mx	.003	3
103	MP2B	X	4.721	3
104	MP2B	Z	-8.177	3
105	MP2B	Mx	-.005	3
106	MP2C	X	6.268	3
107	MP2C	Z	-10.857	3
108	MP2C	Mx	.003	3
109	MP3A	X	4.27	3
110	MP3A	Z	-7.396	3
111	MP3A	Mx	.004	3
112	MP3B	X	3.937	3
113	MP3B	Z	-6.819	3
114	MP3B	Mx	-.004	3
115	MP3C	X	6.072	3
116	MP3C	Z	-10.518	3
117	MP3C	Mx	.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	18.123	2
2	MP3A	Z	-10.463	2
3	MP3A	Mx	-.008	2
4	MP3A	X	18.123	5.5
5	MP3A	Z	-10.463	5.5
6	MP3A	Mx	-.008	5.5
7	MP3B	X	19.951	2
8	MP3B	Z	-11.519	2
9	MP3B	Mx	.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP3B	X	19.951	5.5
11	MP3B	Z	-11.519	5.5
12	MP3B	Mx	.003	5.5
13	MP3C	X	26.189	2
14	MP3C	Z	-15.12	2
15	MP3C	Mx	.019	2
16	MP3C	X	26.189	5.5
17	MP3C	Z	-15.12	5.5
18	MP3C	Mx	.019	5.5
19	MP3A	X	18.123	2
20	MP3A	Z	-10.463	2
21	MP3A	Mx	-.013	2
22	MP3A	X	18.123	5.5
23	MP3A	Z	-10.463	5.5
24	MP3A	Mx	-.013	5.5
25	MP3B	X	19.951	2
26	MP3B	Z	-11.519	2
27	MP3B	Mx	.017	2
28	MP3B	X	19.951	5.5
29	MP3B	Z	-11.519	5.5
30	MP3B	Mx	.017	5.5
31	MP3C	X	26.189	2
32	MP3C	Z	-15.12	2
33	MP3C	Mx	-.019	2
34	MP3C	X	26.189	5.5
35	MP3C	Z	-15.12	5.5
36	MP3C	Mx	-.019	5.5
37	MP4A	X	6.182	3
38	MP4A	Z	-3.569	3
39	MP4A	Mx	-.004	3
40	MP4A	X	6.182	4.5
41	MP4A	Z	-3.569	4.5
42	MP4A	Mx	-.004	4.5
43	MP4B	X	7.939	3
44	MP4B	Z	-4.583	3
45	MP4B	Mx	.004	3
46	MP4B	X	7.939	4.5
47	MP4B	Z	-4.583	4.5
48	MP4B	Mx	.004	4.5
49	MP4C	X	13.933	3
50	MP4C	Z	-8.044	3
51	MP4C	Mx	0	3
52	MP4C	X	13.933	4.5
53	MP4C	Z	-8.044	4.5
54	MP4C	Mx	0	4.5
55	MP1A	X	16.578	2.5
56	MP1A	Z	-9.571	2.5
57	MP1A	Mx	-.009	2.5
58	MP1A	X	16.578	5
59	MP1A	Z	-9.571	5
60	MP1A	Mx	-.009	5
61	MP5A	X	16.578	2.5
62	MP5A	Z	-9.571	2.5
63	MP5A	Mx	-.009	2.5
64	MP5A	X	16.578	5
65	MP5A	Z	-9.571	5
66	MP5A	Mx	-.009	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1B	X	11.486	2.5
68	MP1B	Z	-6.631	2.5
69	MP1B	Mx	.006	2.5
70	MP1B	X	11.486	5
71	MP1B	Z	-6.631	5
72	MP1B	Mx	.006	5
73	MP1C	X	12.98	2.5
74	MP1C	Z	-7.494	2.5
75	MP1C	Mx	0	2.5
76	MP1C	X	12.98	5
77	MP1C	Z	-7.494	5
78	MP1C	Mx	0	5
79	MP5B	X	11.486	2.5
80	MP5B	Z	-6.631	2.5
81	MP5B	Mx	.006	2.5
82	MP5B	X	11.486	5
83	MP5B	Z	-6.631	5
84	MP5B	Mx	.006	5
85	MP5C	X	12.98	2.5
86	MP5C	Z	-7.494	2.5
87	MP5C	Mx	0	2.5
88	MP5C	X	12.98	5
89	MP5C	Z	-7.494	5
90	MP5C	Mx	0	5
91	MP3A	X	2.168	1
92	MP3A	Z	-1.252	1
93	MP3A	Mx	.001	1
94	MP3B	X	2.325	1
95	MP3B	Z	-1.342	1
96	MP3B	Mx	-.001	1
97	MP3C	X	2.858	1
98	MP3C	Z	-1.65	1
99	MP3C	Mx	0	1
100	MP2A	X	9.07	3
101	MP2A	Z	-5.237	3
102	MP2A	Mx	.005	3
103	MP2B	X	9.07	3
104	MP2B	Z	-5.237	3
105	MP2B	Mx	-.005	3
106	MP2C	X	11.75	3
107	MP2C	Z	-6.784	3
108	MP2C	Mx	0	3
109	MP3A	X	6.968	3
110	MP3A	Z	-4.023	3
111	MP3A	Mx	.004	3
112	MP3B	X	8.052	3
113	MP3B	Z	-4.649	3
114	MP3B	Mx	-.004	3
115	MP3C	X	11.75	3
116	MP3C	Z	-6.784	3
117	MP3C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	24.604	2
2	MP3A	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP3A	Mx	.000461	2
4	MP3A	X	24.604	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.000461	5.5
7	MP3B	X	27.839	2
8	MP3B	Z	0	2
9	MP3B	Mx	-.008	2
10	MP3B	X	27.839	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.008	5.5
13	MP3C	X	27.839	2
14	MP3C	Z	0	2
15	MP3C	Mx	.022	2
16	MP3C	X	27.839	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.022	5.5
19	MP3A	X	24.604	2
20	MP3A	Z	0	2
21	MP3A	Mx	-.019	2
22	MP3A	X	24.604	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.019	5.5
25	MP3B	X	27.839	2
26	MP3B	Z	0	2
27	MP3B	Mx	.022	2
28	MP3B	X	27.839	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.022	5.5
31	MP3C	X	27.839	2
32	MP3C	Z	0	2
33	MP3C	Mx	-.008	2
34	MP3C	X	27.839	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.008	5.5
37	MP4A	X	10.673	3
38	MP4A	Z	0	3
39	MP4A	Mx	-.004	3
40	MP4A	X	10.673	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	-.004	4.5
43	MP4B	X	13.781	3
44	MP4B	Z	0	3
45	MP4B	Mx	.003	3
46	MP4B	X	13.781	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	.003	4.5
49	MP4C	X	13.781	3
50	MP4C	Z	0	3
51	MP4C	Mx	.003	3
52	MP4C	X	13.781	4.5
53	MP4C	Z	0	4.5
54	MP4C	Mx	.003	4.5
55	MP1A	X	22.556	2.5
56	MP1A	Z	0	2.5
57	MP1A	Mx	-.009	2.5
58	MP1A	X	22.556	5
59	MP1A	Z	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	-.009	5
61	MP5A	X	22.556	2.5
62	MP5A	Z	0	2.5
63	MP5A	Mx	-.009	2.5
64	MP5A	X	22.556	5
65	MP5A	Z	0	5
66	MP5A	Mx	-.009	5
67	MP1B	X	14.413	2.5
68	MP1B	Z	0	2.5
69	MP1B	Mx	.004	2.5
70	MP1B	X	14.413	5
71	MP1B	Z	0	5
72	MP1B	Mx	.004	5
73	MP1C	X	14.413	2.5
74	MP1C	Z	0	2.5
75	MP1C	Mx	.004	2.5
76	MP1C	X	14.413	5
77	MP1C	Z	0	5
78	MP1C	Mx	.004	5
79	MP5B	X	14.413	2.5
80	MP5B	Z	0	2.5
81	MP5B	Mx	.004	2.5
82	MP5B	X	14.413	5
83	MP5B	Z	0	5
84	MP5B	Mx	.004	5
85	MP5C	X	14.413	2.5
86	MP5C	Z	0	2.5
87	MP5C	Mx	.004	2.5
88	MP5C	X	14.413	5
89	MP5C	Z	0	5
90	MP5C	Mx	.004	5
91	MP3A	X	2.818	1
92	MP3A	Z	0	1
93	MP3A	Mx	.001	1
94	MP3B	X	3.095	1
95	MP3B	Z	0	1
96	MP3B	Mx	-.000774	1
97	MP3C	X	3.095	1
98	MP3C	Z	0	1
99	MP3C	Mx	-.000774	1
100	MP2A	X	9.442	3
101	MP2A	Z	0	3
102	MP2A	Mx	.005	3
103	MP2B	X	12.537	3
104	MP2B	Z	0	3
105	MP2B	Mx	-.003	3
106	MP2C	X	12.537	3
107	MP2C	Z	0	3
108	MP2C	Mx	-.003	3
109	MP3A	X	10.227	3
110	MP3A	Z	0	3
111	MP3A	Mx	.004	3
112	MP3B	X	12.145	3
113	MP3B	Z	0	3
114	MP3B	Mx	-.003	3
115	MP3C	X	12.145	3
116	MP3C	Z	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP3C	Mx	-.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	25.216	2
2	MP3A	Z	14.558	2
3	MP3A	Mx	.012	2
4	MP3A	X	25.216	5.5
5	MP3A	Z	14.558	5.5
6	MP3A	Mx	.012	5.5
7	MP3B	X	26.189	2
8	MP3B	Z	15.12	2
9	MP3B	Mx	-.019	2
10	MP3B	X	26.189	5.5
11	MP3B	Z	15.12	5.5
12	MP3B	Mx	-.019	5.5
13	MP3C	X	19.951	2
14	MP3C	Z	11.519	2
15	MP3C	Mx	.017	2
16	MP3C	X	19.951	5.5
17	MP3C	Z	11.519	5.5
18	MP3C	Mx	.017	5.5
19	MP3A	X	25.216	2
20	MP3A	Z	14.558	2
21	MP3A	Mx	-.022	2
22	MP3A	X	25.216	5.5
23	MP3A	Z	14.558	5.5
24	MP3A	Mx	-.022	5.5
25	MP3B	X	26.189	2
26	MP3B	Z	15.12	2
27	MP3B	Mx	.019	2
28	MP3B	X	26.189	5.5
29	MP3B	Z	15.12	5.5
30	MP3B	Mx	.019	5.5
31	MP3C	X	19.951	2
32	MP3C	Z	11.519	2
33	MP3C	Mx	.003	2
34	MP3C	X	19.951	5.5
35	MP3C	Z	11.519	5.5
36	MP3C	Mx	.003	5.5
37	MP4A	X	12.998	3
38	MP4A	Z	7.504	3
39	MP4A	Mx	-.003	3
40	MP4A	X	12.998	4.5
41	MP4A	Z	7.504	4.5
42	MP4A	Mx	-.003	4.5
43	MP4B	X	13.933	3
44	MP4B	Z	8.044	3
45	MP4B	Mx	0	3
46	MP4B	X	13.933	4.5
47	MP4B	Z	8.044	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	7.939	3
50	MP4C	Z	4.583	3
51	MP4C	Mx	.004	3
52	MP4C	X	7.939	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	4.583	4.5
54	MP4C	Mx	.004	4.5
55	MP1A	X	23.159	2.5
56	MP1A	Z	13.371	2.5
57	MP1A	Mx	-.005	2.5
58	MP1A	X	23.159	5
59	MP1A	Z	13.371	5
60	MP1A	Mx	-.005	5
61	MP5A	X	23.159	2.5
62	MP5A	Z	13.371	2.5
63	MP5A	Mx	-.005	2.5
64	MP5A	X	23.159	5
65	MP5A	Z	13.371	5
66	MP5A	Mx	-.005	5
67	MP1B	X	12.98	2.5
68	MP1B	Z	7.494	2.5
69	MP1B	Mx	0	2.5
70	MP1B	X	12.98	5
71	MP1B	Z	7.494	5
72	MP1B	Mx	0	5
73	MP1C	X	11.486	2.5
74	MP1C	Z	6.631	2.5
75	MP1C	Mx	.006	2.5
76	MP1C	X	11.486	5
77	MP1C	Z	6.631	5
78	MP1C	Mx	.006	5
79	MP5B	X	12.98	2.5
80	MP5B	Z	7.494	2.5
81	MP5B	Mx	0	2.5
82	MP5B	X	12.98	5
83	MP5B	Z	7.494	5
84	MP5B	Mx	0	5
85	MP5C	X	11.486	2.5
86	MP5C	Z	6.631	2.5
87	MP5C	Mx	.006	2.5
88	MP5C	X	11.486	5
89	MP5C	Z	6.631	5
90	MP5C	Mx	.006	5
91	MP3A	X	2.775	1
92	MP3A	Z	1.602	1
93	MP3A	Mx	.000548	1
94	MP3B	X	2.858	1
95	MP3B	Z	1.65	1
96	MP3B	Mx	0	1
97	MP3C	X	2.325	1
98	MP3C	Z	1.342	1
99	MP3C	Mx	-.001	1
100	MP2A	X	9.07	3
101	MP2A	Z	5.237	3
102	MP2A	Mx	.005	3
103	MP2B	X	11.75	3
104	MP2B	Z	6.784	3
105	MP2B	Mx	0	3
106	MP2C	X	9.07	3
107	MP2C	Z	5.237	3
108	MP2C	Mx	-.005	3
109	MP3A	X	11.173	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP3A	Z	6.451	3
111	MP3A	Mx	.002	3
112	MP3B	X	11.75	3
113	MP3B	Z	6.784	3
114	MP3B	Mx	0	3
115	MP3C	X	8.052	3
116	MP3C	Z	4.649	3
117	MP3C	Mx	-.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	14.975	2
2	MP3A	Z	25.938	2
3	MP3A	Mx	.021	2
4	MP3A	X	14.975	5.5
5	MP3A	Z	25.938	5.5
6	MP3A	Mx	.021	5.5
7	MP3B	X	13.92	2
8	MP3B	Z	24.109	2
9	MP3B	Mx	-.022	2
10	MP3B	X	13.92	5.5
11	MP3B	Z	24.109	5.5
12	MP3B	Mx	-.022	5.5
13	MP3C	X	10.318	2
14	MP3C	Z	17.872	2
15	MP3C	Mx	.01	2
16	MP3C	X	10.318	5.5
17	MP3C	Z	17.872	5.5
18	MP3C	Mx	.01	5.5
19	MP3A	X	14.975	2
20	MP3A	Z	25.938	2
21	MP3A	Mx	-.016	2
22	MP3A	X	14.975	5.5
23	MP3A	Z	25.938	5.5
24	MP3A	Mx	-.016	5.5
25	MP3B	X	13.92	2
26	MP3B	Z	24.109	2
27	MP3B	Mx	.008	2
28	MP3B	X	13.92	5.5
29	MP3B	Z	24.109	5.5
30	MP3B	Mx	.008	5.5
31	MP3C	X	10.318	2
32	MP3C	Z	17.872	2
33	MP3C	Mx	.01	2
34	MP3C	X	10.318	5.5
35	MP3C	Z	17.872	5.5
36	MP3C	Mx	.01	5.5
37	MP4A	X	7.905	3
38	MP4A	Z	13.692	3
39	MP4A	Mx	.001	3
40	MP4A	X	7.905	4.5
41	MP4A	Z	13.692	4.5
42	MP4A	Mx	.001	4.5
43	MP4B	X	6.891	3
44	MP4B	Z	11.935	3
45	MP4B	Mx	-.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP4B	X	6.891	4.5
47	MP4B	Z	11.935	4.5
48	MP4B	Mx	-.003	4.5
49	MP4C	X	3.43	3
50	MP4C	Z	5.941	3
51	MP4C	Mx	.003	3
52	MP4C	X	3.43	4.5
53	MP4C	Z	5.941	4.5
54	MP4C	Mx	.003	4.5
55	MP1A	X	13.758	2.5
56	MP1A	Z	23.829	2.5
57	MP1A	Mx	.002	2.5
58	MP1A	X	13.758	5
59	MP1A	Z	23.829	5
60	MP1A	Mx	.002	5
61	MP5A	X	13.758	2.5
62	MP5A	Z	23.829	2.5
63	MP5A	Mx	.002	2.5
64	MP5A	X	13.758	5
65	MP5A	Z	23.829	5
66	MP5A	Mx	.002	5
67	MP1B	X	7.207	2.5
68	MP1B	Z	12.482	2.5
69	MP1B	Mx	-.004	2.5
70	MP1B	X	7.207	5
71	MP1B	Z	12.482	5
72	MP1B	Mx	-.004	5
73	MP1C	X	6.344	2.5
74	MP1C	Z	10.987	2.5
75	MP1C	Mx	.006	2.5
76	MP1C	X	6.344	5
77	MP1C	Z	10.987	5
78	MP1C	Mx	.006	5
79	MP5B	X	7.207	2.5
80	MP5B	Z	12.482	2.5
81	MP5B	Mx	-.004	2.5
82	MP5B	X	7.207	5
83	MP5B	Z	12.482	5
84	MP5B	Mx	-.004	5
85	MP5C	X	6.344	2.5
86	MP5C	Z	10.987	2.5
87	MP5C	Mx	.006	2.5
88	MP5C	X	6.344	5
89	MP5C	Z	10.987	5
90	MP5C	Mx	.006	5
91	MP3A	X	1.638	1
92	MP3A	Z	2.837	1
93	MP3A	Mx	-.000284	1
94	MP3B	X	1.548	1
95	MP3B	Z	2.68	1
96	MP3B	Mx	.000773	1
97	MP3C	X	1.239	1
98	MP3C	Z	2.147	1
99	MP3C	Mx	-.001	1
100	MP2A	X	6.268	3
101	MP2A	Z	10.857	3
102	MP2A	Mx	.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP2B	X	6.268	3
104	MP2B	Z	10.857	3
105	MP2B	Mx	.003	3
106	MP2C	X	4.721	3
107	MP2C	Z	8.177	3
108	MP2C	Mx	-.005	3
109	MP3A	X	6.698	3
110	MP3A	Z	11.602	3
111	MP3A	Mx	-.001	3
112	MP3B	X	6.072	3
113	MP3B	Z	10.518	3
114	MP3B	Mx	.003	3
115	MP3C	X	3.937	3
116	MP3C	Z	6.819	3
117	MP3C	Mx	-.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2
2	MP3A	Z	26.272	2
3	MP3A	Mx	.021	2
4	MP3A	X	0	5.5
5	MP3A	Z	26.272	5.5
6	MP3A	Mx	.021	5.5
7	MP3B	X	0	2
8	MP3B	Z	23.037	2
9	MP3B	Mx	-.017	2
10	MP3B	X	0	5.5
11	MP3B	Z	23.037	5.5
12	MP3B	Mx	-.017	5.5
13	MP3C	X	0	2
14	MP3C	Z	23.037	2
15	MP3C	Mx	.003	2
16	MP3C	X	0	5.5
17	MP3C	Z	23.037	5.5
18	MP3C	Mx	.003	5.5
19	MP3A	X	0	2
20	MP3A	Z	26.272	2
21	MP3A	Mx	-.004	2
22	MP3A	X	0	5.5
23	MP3A	Z	26.272	5.5
24	MP3A	Mx	-.004	5.5
25	MP3B	X	0	2
26	MP3B	Z	23.037	2
27	MP3B	Mx	-.003	2
28	MP3B	X	0	5.5
29	MP3B	Z	23.037	5.5
30	MP3B	Mx	-.003	5.5
31	MP3C	X	0	2
32	MP3C	Z	23.037	2
33	MP3C	Mx	.017	2
34	MP3C	X	0	5.5
35	MP3C	Z	23.037	5.5
36	MP3C	Mx	.017	5.5
37	MP4A	X	0	3
38	MP4A	Z	12.275	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP4A	Mx	.004	3
40	MP4A	X	0	4.5
41	MP4A	Z	12.275	4.5
42	MP4A	Mx	.004	4.5
43	MP4B	X	0	3
44	MP4B	Z	9.167	3
45	MP4B	Mx	-.004	3
46	MP4B	X	0	4.5
47	MP4B	Z	9.167	4.5
48	MP4B	Mx	-.004	4.5
49	MP4C	X	0	3
50	MP4C	Z	9.167	3
51	MP4C	Mx	.004	3
52	MP4C	X	0	4.5
53	MP4C	Z	9.167	4.5
54	MP4C	Mx	.004	4.5
55	MP1A	X	0	2.5
56	MP1A	Z	24.103	2.5
57	MP1A	Mx	.008	2.5
58	MP1A	X	0	5
59	MP1A	Z	24.103	5
60	MP1A	Mx	.008	5
61	MP5A	X	0	2.5
62	MP5A	Z	24.103	2.5
63	MP5A	Mx	.008	2.5
64	MP5A	X	0	5
65	MP5A	Z	24.103	5
66	MP5A	Mx	.008	5
67	MP1B	X	0	2.5
68	MP1B	Z	13.263	2.5
69	MP1B	Mx	-.006	2.5
70	MP1B	X	0	5
71	MP1B	Z	13.263	5
72	MP1B	Mx	-.006	5
73	MP1C	X	0	2.5
74	MP1C	Z	13.263	2.5
75	MP1C	Mx	.006	2.5
76	MP1C	X	0	5
77	MP1C	Z	13.263	5
78	MP1C	Mx	.006	5
79	MP5B	X	0	2.5
80	MP5B	Z	13.263	2.5
81	MP5B	Mx	-.006	2.5
82	MP5B	X	0	5
83	MP5B	Z	13.263	5
84	MP5B	Mx	-.006	5
85	MP5C	X	0	2.5
86	MP5C	Z	13.263	2.5
87	MP5C	Mx	.006	2.5
88	MP5C	X	0	5
89	MP5C	Z	13.263	5
90	MP5C	Mx	.006	5
91	MP3A	X	0	1
92	MP3A	Z	2.961	1
93	MP3A	Mx	-.000952	1
94	MP3B	X	0	1
95	MP3B	Z	2.684	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP3B	Mx	.001	1
97	MP3C	X	0	1
98	MP3C	Z	2.684	1
99	MP3C	Mx	-.001	1
100	MP2A	X	0	3
101	MP2A	Z	13.568	3
102	MP2A	Mx	0	3
103	MP2B	X	0	3
104	MP2B	Z	10.474	3
105	MP2B	Mx	.005	3
106	MP2C	X	0	3
107	MP2C	Z	10.474	3
108	MP2C	Mx	-.005	3
109	MP3A	X	0	3
110	MP3A	Z	11.215	3
111	MP3A	Mx	-.004	3
112	MP3B	X	0	3
113	MP3B	Z	9.298	3
114	MP3B	Mx	.004	3
115	MP3C	X	0	3
116	MP3C	Z	9.298	3
117	MP3C	Mx	-.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-10.88	2
2	MP3A	Z	18.845	2
3	MP3A	Mx	.015	2
4	MP3A	X	-10.88	5.5
5	MP3A	Z	18.845	5.5
6	MP3A	Mx	.015	5.5
7	MP3B	X	-10.318	2
8	MP3B	Z	17.872	2
9	MP3B	Mx	-.01	2
10	MP3B	X	-10.318	5.5
11	MP3B	Z	17.872	5.5
12	MP3B	Mx	-.01	5.5
13	MP3C	X	-13.92	2
14	MP3C	Z	24.109	2
15	MP3C	Mx	-.008	2
16	MP3C	X	-13.92	5.5
17	MP3C	Z	24.109	5.5
18	MP3C	Mx	-.008	5.5
19	MP3A	X	-10.88	2
20	MP3A	Z	18.845	2
21	MP3A	Mx	.006	2
22	MP3A	X	-10.88	5.5
23	MP3A	Z	18.845	5.5
24	MP3A	Mx	.006	5.5
25	MP3B	X	-10.318	2
26	MP3B	Z	17.872	2
27	MP3B	Mx	-.01	2
28	MP3B	X	-10.318	5.5
29	MP3B	Z	17.872	5.5
30	MP3B	Mx	-.01	5.5
31	MP3C	X	-13.92	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP3C	Z	24.109	2
33	MP3C	Mx	.022	2
34	MP3C	X	-13.92	5.5
35	MP3C	Z	24.109	5.5
36	MP3C	Mx	.022	5.5
37	MP4A	X	-3.97	3
38	MP4A	Z	6.876	3
39	MP4A	Mx	.004	3
40	MP4A	X	-3.97	4.5
41	MP4A	Z	6.876	4.5
42	MP4A	Mx	.004	4.5
43	MP4B	X	-3.43	3
44	MP4B	Z	5.941	3
45	MP4B	Mx	-.003	3
46	MP4B	X	-3.43	4.5
47	MP4B	Z	5.941	4.5
48	MP4B	Mx	-.003	4.5
49	MP4C	X	-6.891	3
50	MP4C	Z	11.935	3
51	MP4C	Mx	.003	3
52	MP4C	X	-6.891	4.5
53	MP4C	Z	11.935	4.5
54	MP4C	Mx	.003	4.5
55	MP1A	X	-9.958	2.5
56	MP1A	Z	17.248	2.5
57	MP1A	Mx	.009	2.5
58	MP1A	X	-9.958	5
59	MP1A	Z	17.248	5
60	MP1A	Mx	.009	5
61	MP5A	X	-9.958	2.5
62	MP5A	Z	17.248	2.5
63	MP5A	Mx	.009	2.5
64	MP5A	X	-9.958	5
65	MP5A	Z	17.248	5
66	MP5A	Mx	.009	5
67	MP1B	X	-6.344	2.5
68	MP1B	Z	10.987	2.5
69	MP1B	Mx	-.006	2.5
70	MP1B	X	-6.344	5
71	MP1B	Z	10.987	5
72	MP1B	Mx	-.006	5
73	MP1C	X	-7.207	2.5
74	MP1C	Z	12.482	2.5
75	MP1C	Mx	.004	2.5
76	MP1C	X	-7.207	5
77	MP1C	Z	12.482	5
78	MP1C	Mx	.004	5
79	MP5B	X	-6.344	2.5
80	MP5B	Z	10.987	2.5
81	MP5B	Mx	-.006	2.5
82	MP5B	X	-6.344	5
83	MP5B	Z	10.987	5
84	MP5B	Mx	-.006	5
85	MP5C	X	-7.207	2.5
86	MP5C	Z	12.482	2.5
87	MP5C	Mx	.004	2.5
88	MP5C	X	-7.207	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP5C	Z	12.482	5
90	MP5C	Mx	.004	5
91	MP3A	X	-1.287	1
92	MP3A	Z	2.23	1
93	MP3A	Mx	-.001	1
94	MP3B	X	-1.239	1
95	MP3B	Z	2.147	1
96	MP3B	Mx	.001	1
97	MP3C	X	-1.548	1
98	MP3C	Z	2.68	1
99	MP3C	Mx	-.000773	1
100	MP2A	X	-6.268	3
101	MP2A	Z	10.857	3
102	MP2A	Mx	-.003	3
103	MP2B	X	-4.721	3
104	MP2B	Z	8.177	3
105	MP2B	Mx	.005	3
106	MP2C	X	-6.268	3
107	MP2C	Z	10.857	3
108	MP2C	Mx	-.003	3
109	MP3A	X	-4.27	3
110	MP3A	Z	7.396	3
111	MP3A	Mx	-.004	3
112	MP3B	X	-3.937	3
113	MP3B	Z	6.819	3
114	MP3B	Mx	.004	3
115	MP3C	X	-6.072	3
116	MP3C	Z	10.518	3
117	MP3C	Mx	-.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-18.123	2
2	MP3A	Z	10.463	2
3	MP3A	Mx	.008	2
4	MP3A	X	-18.123	5.5
5	MP3A	Z	10.463	5.5
6	MP3A	Mx	.008	5.5
7	MP3B	X	-19.951	2
8	MP3B	Z	11.519	2
9	MP3B	Mx	-.003	2
10	MP3B	X	-19.951	5.5
11	MP3B	Z	11.519	5.5
12	MP3B	Mx	-.003	5.5
13	MP3C	X	-26.189	2
14	MP3C	Z	15.12	2
15	MP3C	Mx	-.019	2
16	MP3C	X	-26.189	5.5
17	MP3C	Z	15.12	5.5
18	MP3C	Mx	-.019	5.5
19	MP3A	X	-18.123	2
20	MP3A	Z	10.463	2
21	MP3A	Mx	.013	2
22	MP3A	X	-18.123	5.5
23	MP3A	Z	10.463	5.5
24	MP3A	Mx	.013	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	-19.951	2
26	MP3B	Z	11.519	2
27	MP3B	Mx	-.017	2
28	MP3B	X	-19.951	5.5
29	MP3B	Z	11.519	5.5
30	MP3B	Mx	-.017	5.5
31	MP3C	X	-26.189	2
32	MP3C	Z	15.12	2
33	MP3C	Mx	.019	2
34	MP3C	X	-26.189	5.5
35	MP3C	Z	15.12	5.5
36	MP3C	Mx	.019	5.5
37	MP4A	X	-6.182	3
38	MP4A	Z	3.569	3
39	MP4A	Mx	.004	3
40	MP4A	X	-6.182	4.5
41	MP4A	Z	3.569	4.5
42	MP4A	Mx	.004	4.5
43	MP4B	X	-7.939	3
44	MP4B	Z	4.583	3
45	MP4B	Mx	-.004	3
46	MP4B	X	-7.939	4.5
47	MP4B	Z	4.583	4.5
48	MP4B	Mx	-.004	4.5
49	MP4C	X	-13.933	3
50	MP4C	Z	8.044	3
51	MP4C	Mx	0	3
52	MP4C	X	-13.933	4.5
53	MP4C	Z	8.044	4.5
54	MP4C	Mx	0	4.5
55	MP1A	X	-16.578	2.5
56	MP1A	Z	9.571	2.5
57	MP1A	Mx	.009	2.5
58	MP1A	X	-16.578	5
59	MP1A	Z	9.571	5
60	MP1A	Mx	.009	5
61	MP5A	X	-16.578	2.5
62	MP5A	Z	9.571	2.5
63	MP5A	Mx	.009	2.5
64	MP5A	X	-16.578	5
65	MP5A	Z	9.571	5
66	MP5A	Mx	.009	5
67	MP1B	X	-11.486	2.5
68	MP1B	Z	6.631	2.5
69	MP1B	Mx	-.006	2.5
70	MP1B	X	-11.486	5
71	MP1B	Z	6.631	5
72	MP1B	Mx	-.006	5
73	MP1C	X	-12.98	2.5
74	MP1C	Z	7.494	2.5
75	MP1C	Mx	0	2.5
76	MP1C	X	-12.98	5
77	MP1C	Z	7.494	5
78	MP1C	Mx	0	5
79	MP5B	X	-11.486	2.5
80	MP5B	Z	6.631	2.5
81	MP5B	Mx	-.006	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP5B	X	-11.486	5
83	MP5B	Z	6.631	5
84	MP5B	Mx	-.006	5
85	MP5C	X	-12.98	2.5
86	MP5C	Z	7.494	2.5
87	MP5C	Mx	0	2.5
88	MP5C	X	-12.98	5
89	MP5C	Z	7.494	5
90	MP5C	Mx	0	5
91	MP3A	X	-2.168	1
92	MP3A	Z	1.252	1
93	MP3A	Mx	-.001	1
94	MP3B	X	-2.325	1
95	MP3B	Z	1.342	1
96	MP3B	Mx	.001	1
97	MP3C	X	-2.858	1
98	MP3C	Z	1.65	1
99	MP3C	Mx	0	1
100	MP2A	X	-9.07	3
101	MP2A	Z	5.237	3
102	MP2A	Mx	-.005	3
103	MP2B	X	-9.07	3
104	MP2B	Z	5.237	3
105	MP2B	Mx	.005	3
106	MP2C	X	-11.75	3
107	MP2C	Z	6.784	3
108	MP2C	Mx	0	3
109	MP3A	X	-6.968	3
110	MP3A	Z	4.023	3
111	MP3A	Mx	-.004	3
112	MP3B	X	-8.052	3
113	MP3B	Z	4.649	3
114	MP3B	Mx	.004	3
115	MP3C	X	-11.75	3
116	MP3C	Z	6.784	3
117	MP3C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-24.604	2
2	MP3A	Z	0	2
3	MP3A	Mx	-.000461	2
4	MP3A	X	-24.604	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.000461	5.5
7	MP3B	X	-27.839	2
8	MP3B	Z	0	2
9	MP3B	Mx	.008	2
10	MP3B	X	-27.839	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.008	5.5
13	MP3C	X	-27.839	2
14	MP3C	Z	0	2
15	MP3C	Mx	-.022	2
16	MP3C	X	-27.839	5.5
17	MP3C	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mx	-.022	5.5
19	MP3A	X	-24.604	2
20	MP3A	Z	0	2
21	MP3A	Mx	.019	2
22	MP3A	X	-24.604	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.019	5.5
25	MP3B	X	-27.839	2
26	MP3B	Z	0	2
27	MP3B	Mx	-.022	2
28	MP3B	X	-27.839	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.022	5.5
31	MP3C	X	-27.839	2
32	MP3C	Z	0	2
33	MP3C	Mx	.008	2
34	MP3C	X	-27.839	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.008	5.5
37	MP4A	X	-10.673	3
38	MP4A	Z	0	3
39	MP4A	Mx	.004	3
40	MP4A	X	-10.673	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	.004	4.5
43	MP4B	X	-13.781	3
44	MP4B	Z	0	3
45	MP4B	Mx	-.003	3
46	MP4B	X	-13.781	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	-.003	4.5
49	MP4C	X	-13.781	3
50	MP4C	Z	0	3
51	MP4C	Mx	-.003	3
52	MP4C	X	-13.781	4.5
53	MP4C	Z	0	4.5
54	MP4C	Mx	-.003	4.5
55	MP1A	X	-22.556	2.5
56	MP1A	Z	0	2.5
57	MP1A	Mx	.009	2.5
58	MP1A	X	-22.556	5
59	MP1A	Z	0	5
60	MP1A	Mx	.009	5
61	MP5A	X	-22.556	2.5
62	MP5A	Z	0	2.5
63	MP5A	Mx	.009	2.5
64	MP5A	X	-22.556	5
65	MP5A	Z	0	5
66	MP5A	Mx	.009	5
67	MP1B	X	-14.413	2.5
68	MP1B	Z	0	2.5
69	MP1B	Mx	-.004	2.5
70	MP1B	X	-14.413	5
71	MP1B	Z	0	5
72	MP1B	Mx	-.004	5
73	MP1C	X	-14.413	2.5
74	MP1C	Z	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP1C	Mx	-.004	2.5
76	MP1C	X	-14.413	5
77	MP1C	Z	0	5
78	MP1C	Mx	-.004	5
79	MP5B	X	-14.413	2.5
80	MP5B	Z	0	2.5
81	MP5B	Mx	-.004	2.5
82	MP5B	X	-14.413	5
83	MP5B	Z	0	5
84	MP5B	Mx	-.004	5
85	MP5C	X	-14.413	2.5
86	MP5C	Z	0	2.5
87	MP5C	Mx	-.004	2.5
88	MP5C	X	-14.413	5
89	MP5C	Z	0	5
90	MP5C	Mx	-.004	5
91	MP3A	X	-2.818	1
92	MP3A	Z	0	1
93	MP3A	Mx	-.001	1
94	MP3B	X	-3.095	1
95	MP3B	Z	0	1
96	MP3B	Mx	.000774	1
97	MP3C	X	-3.095	1
98	MP3C	Z	0	1
99	MP3C	Mx	.000774	1
100	MP2A	X	-9.442	3
101	MP2A	Z	0	3
102	MP2A	Mx	-.005	3
103	MP2B	X	-12.537	3
104	MP2B	Z	0	3
105	MP2B	Mx	.003	3
106	MP2C	X	-12.537	3
107	MP2C	Z	0	3
108	MP2C	Mx	.003	3
109	MP3A	X	-10.227	3
110	MP3A	Z	0	3
111	MP3A	Mx	-.004	3
112	MP3B	X	-12.145	3
113	MP3B	Z	0	3
114	MP3B	Mx	.003	3
115	MP3C	X	-12.145	3
116	MP3C	Z	0	3
117	MP3C	Mx	.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-25.216	2
2	MP3A	Z	-14.558	2
3	MP3A	Mx	-.012	2
4	MP3A	X	-25.216	5.5
5	MP3A	Z	-14.558	5.5
6	MP3A	Mx	-.012	5.5
7	MP3B	X	-26.189	2
8	MP3B	Z	-15.12	2
9	MP3B	Mx	.019	2
10	MP3B	X	-26.189	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP3B	Z	-15.12	5.5
12	MP3B	Mx	.019	5.5
13	MP3C	X	-19.951	2
14	MP3C	Z	-11.519	2
15	MP3C	Mx	-.017	2
16	MP3C	X	-19.951	5.5
17	MP3C	Z	-11.519	5.5
18	MP3C	Mx	-.017	5.5
19	MP3A	X	-25.216	2
20	MP3A	Z	-14.558	2
21	MP3A	Mx	.022	2
22	MP3A	X	-25.216	5.5
23	MP3A	Z	-14.558	5.5
24	MP3A	Mx	.022	5.5
25	MP3B	X	-26.189	2
26	MP3B	Z	-15.12	2
27	MP3B	Mx	-.019	2
28	MP3B	X	-26.189	5.5
29	MP3B	Z	-15.12	5.5
30	MP3B	Mx	-.019	5.5
31	MP3C	X	-19.951	2
32	MP3C	Z	-11.519	2
33	MP3C	Mx	-.003	2
34	MP3C	X	-19.951	5.5
35	MP3C	Z	-11.519	5.5
36	MP3C	Mx	-.003	5.5
37	MP4A	X	-12.998	3
38	MP4A	Z	-7.504	3
39	MP4A	Mx	.003	3
40	MP4A	X	-12.998	4.5
41	MP4A	Z	-7.504	4.5
42	MP4A	Mx	.003	4.5
43	MP4B	X	-13.933	3
44	MP4B	Z	-8.044	3
45	MP4B	Mx	0	3
46	MP4B	X	-13.933	4.5
47	MP4B	Z	-8.044	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	-7.939	3
50	MP4C	Z	-4.583	3
51	MP4C	Mx	-.004	3
52	MP4C	X	-7.939	4.5
53	MP4C	Z	-4.583	4.5
54	MP4C	Mx	-.004	4.5
55	MP1A	X	-23.159	2.5
56	MP1A	Z	-13.371	2.5
57	MP1A	Mx	.005	2.5
58	MP1A	X	-23.159	5
59	MP1A	Z	-13.371	5
60	MP1A	Mx	.005	5
61	MP5A	X	-23.159	2.5
62	MP5A	Z	-13.371	2.5
63	MP5A	Mx	.005	2.5
64	MP5A	X	-23.159	5
65	MP5A	Z	-13.371	5
66	MP5A	Mx	.005	5
67	MP1B	X	-12.98	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1B	Z	-7.494	2.5
69	MP1B	Mx	0	2.5
70	MP1B	X	-12.98	5
71	MP1B	Z	-7.494	5
72	MP1B	Mx	0	5
73	MP1C	X	-11.486	2.5
74	MP1C	Z	-6.631	2.5
75	MP1C	Mx	-.006	2.5
76	MP1C	X	-11.486	5
77	MP1C	Z	-6.631	5
78	MP1C	Mx	-.006	5
79	MP5B	X	-12.98	2.5
80	MP5B	Z	-7.494	2.5
81	MP5B	Mx	0	2.5
82	MP5B	X	-12.98	5
83	MP5B	Z	-7.494	5
84	MP5B	Mx	0	5
85	MP5C	X	-11.486	2.5
86	MP5C	Z	-6.631	2.5
87	MP5C	Mx	-.006	2.5
88	MP5C	X	-11.486	5
89	MP5C	Z	-6.631	5
90	MP5C	Mx	-.006	5
91	MP3A	X	-2.775	1
92	MP3A	Z	-1.602	1
93	MP3A	Mx	-.000548	1
94	MP3B	X	-2.858	1
95	MP3B	Z	-1.65	1
96	MP3B	Mx	0	1
97	MP3C	X	-2.325	1
98	MP3C	Z	-1.342	1
99	MP3C	Mx	.001	1
100	MP2A	X	-9.07	3
101	MP2A	Z	-5.237	3
102	MP2A	Mx	-.005	3
103	MP2B	X	-11.75	3
104	MP2B	Z	-6.784	3
105	MP2B	Mx	0	3
106	MP2C	X	-9.07	3
107	MP2C	Z	-5.237	3
108	MP2C	Mx	.005	3
109	MP3A	X	-11.173	3
110	MP3A	Z	-6.451	3
111	MP3A	Mx	-.002	3
112	MP3B	X	-11.75	3
113	MP3B	Z	-6.784	3
114	MP3B	Mx	0	3
115	MP3C	X	-8.052	3
116	MP3C	Z	-4.649	3
117	MP3C	Mx	.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-14.975	2
2	MP3A	Z	-25.938	2
3	MP3A	Mx	-.021	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3A	X	-14.975	5.5
5	MP3A	Z	-25.938	5.5
6	MP3A	Mx	-.021	5.5
7	MP3B	X	-13.92	2
8	MP3B	Z	-24.109	2
9	MP3B	Mx	.022	2
10	MP3B	X	-13.92	5.5
11	MP3B	Z	-24.109	5.5
12	MP3B	Mx	.022	5.5
13	MP3C	X	-10.318	2
14	MP3C	Z	-17.872	2
15	MP3C	Mx	-.01	2
16	MP3C	X	-10.318	5.5
17	MP3C	Z	-17.872	5.5
18	MP3C	Mx	-.01	5.5
19	MP3A	X	-14.975	2
20	MP3A	Z	-25.938	2
21	MP3A	Mx	.016	2
22	MP3A	X	-14.975	5.5
23	MP3A	Z	-25.938	5.5
24	MP3A	Mx	.016	5.5
25	MP3B	X	-13.92	2
26	MP3B	Z	-24.109	2
27	MP3B	Mx	-.008	2
28	MP3B	X	-13.92	5.5
29	MP3B	Z	-24.109	5.5
30	MP3B	Mx	-.008	5.5
31	MP3C	X	-10.318	2
32	MP3C	Z	-17.872	2
33	MP3C	Mx	-.01	2
34	MP3C	X	-10.318	5.5
35	MP3C	Z	-17.872	5.5
36	MP3C	Mx	-.01	5.5
37	MP4A	X	-7.905	3
38	MP4A	Z	-13.692	3
39	MP4A	Mx	-.001	3
40	MP4A	X	-7.905	4.5
41	MP4A	Z	-13.692	4.5
42	MP4A	Mx	-.001	4.5
43	MP4B	X	-6.891	3
44	MP4B	Z	-11.935	3
45	MP4B	Mx	.003	3
46	MP4B	X	-6.891	4.5
47	MP4B	Z	-11.935	4.5
48	MP4B	Mx	.003	4.5
49	MP4C	X	-3.43	3
50	MP4C	Z	-5.941	3
51	MP4C	Mx	-.003	3
52	MP4C	X	-3.43	4.5
53	MP4C	Z	-5.941	4.5
54	MP4C	Mx	-.003	4.5
55	MP1A	X	-13.758	2.5
56	MP1A	Z	-23.829	2.5
57	MP1A	Mx	-.002	2.5
58	MP1A	X	-13.758	5
59	MP1A	Z	-23.829	5
60	MP1A	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP5A	X	-13.758	2.5
62	MP5A	Z	-23.829	2.5
63	MP5A	Mx	-.002	2.5
64	MP5A	X	-13.758	5
65	MP5A	Z	-23.829	5
66	MP5A	Mx	-.002	5
67	MP1B	X	-7.207	2.5
68	MP1B	Z	-12.482	2.5
69	MP1B	Mx	.004	2.5
70	MP1B	X	-7.207	5
71	MP1B	Z	-12.482	5
72	MP1B	Mx	.004	5
73	MP1C	X	-6.344	2.5
74	MP1C	Z	-10.987	2.5
75	MP1C	Mx	-.006	2.5
76	MP1C	X	-6.344	5
77	MP1C	Z	-10.987	5
78	MP1C	Mx	-.006	5
79	MP5B	X	-7.207	2.5
80	MP5B	Z	-12.482	2.5
81	MP5B	Mx	.004	2.5
82	MP5B	X	-7.207	5
83	MP5B	Z	-12.482	5
84	MP5B	Mx	.004	5
85	MP5C	X	-6.344	2.5
86	MP5C	Z	-10.987	2.5
87	MP5C	Mx	-.006	2.5
88	MP5C	X	-6.344	5
89	MP5C	Z	-10.987	5
90	MP5C	Mx	-.006	5
91	MP3A	X	-1.638	1
92	MP3A	Z	-2.837	1
93	MP3A	Mx	.000284	1
94	MP3B	X	-1.548	1
95	MP3B	Z	-2.68	1
96	MP3B	Mx	-.000773	1
97	MP3C	X	-1.239	1
98	MP3C	Z	-2.147	1
99	MP3C	Mx	.001	1
100	MP2A	X	-6.268	3
101	MP2A	Z	-10.857	3
102	MP2A	Mx	-.003	3
103	MP2B	X	-6.268	3
104	MP2B	Z	-10.857	3
105	MP2B	Mx	-.003	3
106	MP2C	X	-4.721	3
107	MP2C	Z	-8.177	3
108	MP2C	Mx	.005	3
109	MP3A	X	-6.698	3
110	MP3A	Z	-11.602	3
111	MP3A	Mx	.001	3
112	MP3B	X	-6.072	3
113	MP3B	Z	-10.518	3
114	MP3B	Mx	-.003	3
115	MP3C	X	-3.937	3
116	MP3C	Z	-6.819	3
117	MP3C	Mx	.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2
2	MP3A	Z	-8.517	2
3	MP3A	Mx	-.007	2
4	MP3A	X	0	5.5
5	MP3A	Z	-8.517	5.5
6	MP3A	Mx	-.007	5.5
7	MP3B	X	0	2
8	MP3B	Z	-7.37	2
9	MP3B	Mx	.005	2
10	MP3B	X	0	5.5
11	MP3B	Z	-7.37	5.5
12	MP3B	Mx	.005	5.5
13	MP3C	X	0	2
14	MP3C	Z	-7.37	2
15	MP3C	Mx	-.000888	2
16	MP3C	X	0	5.5
17	MP3C	Z	-7.37	5.5
18	MP3C	Mx	-.000888	5.5
19	MP3A	X	0	2
20	MP3A	Z	-8.517	2
21	MP3A	Mx	.001	2
22	MP3A	X	0	5.5
23	MP3A	Z	-8.517	5.5
24	MP3A	Mx	.001	5.5
25	MP3B	X	0	2
26	MP3B	Z	-7.37	2
27	MP3B	Mx	.000888	2
28	MP3B	X	0	5.5
29	MP3B	Z	-7.37	5.5
30	MP3B	Mx	.000888	5.5
31	MP3C	X	0	2
32	MP3C	Z	-7.37	2
33	MP3C	Mx	-.005	2
34	MP3C	X	0	5.5
35	MP3C	Z	-7.37	5.5
36	MP3C	Mx	-.005	5.5
37	MP4A	X	0	3
38	MP4A	Z	-3.833	3
39	MP4A	Mx	-.001	3
40	MP4A	X	0	4.5
41	MP4A	Z	-3.833	4.5
42	MP4A	Mx	-.001	4.5
43	MP4B	X	0	3
44	MP4B	Z	-2.783	3
45	MP4B	Mx	.001	3
46	MP4B	X	0	4.5
47	MP4B	Z	-2.783	4.5
48	MP4B	Mx	.001	4.5
49	MP4C	X	0	3
50	MP4C	Z	-2.783	3
51	MP4C	Mx	-.001	3
52	MP4C	X	0	4.5
53	MP4C	Z	-2.783	4.5
54	MP4C	Mx	-.001	4.5
55	MP1A	X	0	2.5
56	MP1A	Z	-7.868	2.5
57	MP1A	Mx	-.003	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1A	X	0	5
59	MP1A	Z	-7.868	5
60	MP1A	Mx	-.003	5
61	MP5A	X	0	2.5
62	MP5A	Z	-7.868	2.5
63	MP5A	Mx	-.003	2.5
64	MP5A	X	0	5
65	MP5A	Z	-7.868	5
66	MP5A	Mx	-.003	5
67	MP1B	X	0	2.5
68	MP1B	Z	-4.133	2.5
69	MP1B	Mx	.002	2.5
70	MP1B	X	0	5
71	MP1B	Z	-4.133	5
72	MP1B	Mx	.002	5
73	MP1C	X	0	2.5
74	MP1C	Z	-4.133	2.5
75	MP1C	Mx	-.002	2.5
76	MP1C	X	0	5
77	MP1C	Z	-4.133	5
78	MP1C	Mx	-.002	5
79	MP5B	X	0	2.5
80	MP5B	Z	-4.133	2.5
81	MP5B	Mx	.002	2.5
82	MP5B	X	0	5
83	MP5B	Z	-4.133	5
84	MP5B	Mx	.002	5
85	MP5C	X	0	2.5
86	MP5C	Z	-4.133	2.5
87	MP5C	Mx	-.002	2.5
88	MP5C	X	0	5
89	MP5C	Z	-4.133	5
90	MP5C	Mx	-.002	5
91	MP3A	X	0	1
92	MP3A	Z	-.704	1
93	MP3A	Mx	.000226	1
94	MP3B	X	0	1
95	MP3B	Z	-.62	1
96	MP3B	Mx	-.000268	1
97	MP3C	X	0	1
98	MP3C	Z	-.62	1
99	MP3C	Mx	.000268	1
100	MP2A	X	0	3
101	MP2A	Z	-4.074	3
102	MP2A	Mx	0	3
103	MP2B	X	0	3
104	MP2B	Z	-3.061	3
105	MP2B	Mx	-.001	3
106	MP2C	X	0	3
107	MP2C	Z	-3.061	3
108	MP2C	Mx	.001	3
109	MP3A	X	0	3
110	MP3A	Z	-3.302	3
111	MP3A	Mx	.001	3
112	MP3B	X	0	3
113	MP3B	Z	-2.673	3
114	MP3B	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP3C	X	0	3
116	MP3C	Z	-2.673	3
117	MP3C	Mx	.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.458	2
2	MP3A	Z	-5.99	2
3	MP3A	Mx	-.005	2
4	MP3A	X	3.458	5.5
5	MP3A	Z	-5.99	5.5
6	MP3A	Mx	-.005	5.5
7	MP3B	X	3.259	2
8	MP3B	Z	-5.645	2
9	MP3B	Mx	.003	2
10	MP3B	X	3.259	5.5
11	MP3B	Z	-5.645	5.5
12	MP3B	Mx	.003	5.5
13	MP3C	X	4.536	2
14	MP3C	Z	-7.857	2
15	MP3C	Mx	.003	2
16	MP3C	X	4.536	5.5
17	MP3C	Z	-7.857	5.5
18	MP3C	Mx	.003	5.5
19	MP3A	X	3.458	2
20	MP3A	Z	-5.99	2
21	MP3A	Mx	-.002	2
22	MP3A	X	3.458	5.5
23	MP3A	Z	-5.99	5.5
24	MP3A	Mx	-.002	5.5
25	MP3B	X	3.259	2
26	MP3B	Z	-5.645	2
27	MP3B	Mx	.003	2
28	MP3B	X	3.259	5.5
29	MP3B	Z	-5.645	5.5
30	MP3B	Mx	.003	5.5
31	MP3C	X	4.536	2
32	MP3C	Z	-7.857	2
33	MP3C	Mx	-.007	2
34	MP3C	X	4.536	5.5
35	MP3C	Z	-7.857	5.5
36	MP3C	Mx	-.007	5.5
37	MP4A	X	1.184	3
38	MP4A	Z	-2.052	3
39	MP4A	Mx	-.001	3
40	MP4A	X	1.184	4.5
41	MP4A	Z	-2.052	4.5
42	MP4A	Mx	-.001	4.5
43	MP4B	X	1.002	3
44	MP4B	Z	-1.736	3
45	MP4B	Mx	.001	3
46	MP4B	X	1.002	4.5
47	MP4B	Z	-1.736	4.5
48	MP4B	Mx	.001	4.5
49	MP4C	X	2.171	3
50	MP4C	Z	-3.76	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP4C	Mx	-.001	3
52	MP4C	X	2.171	4.5
53	MP4C	Z	-3.76	4.5
54	MP4C	Mx	-.001	4.5
55	MP1A	X	3.217	2.5
56	MP1A	Z	-5.571	2.5
57	MP1A	Mx	-.003	2.5
58	MP1A	X	3.217	5
59	MP1A	Z	-5.571	5
60	MP1A	Mx	-.003	5
61	MP5A	X	3.217	2.5
62	MP5A	Z	-5.571	2.5
63	MP5A	Mx	-.003	2.5
64	MP5A	X	3.217	5
65	MP5A	Z	-5.571	5
66	MP5A	Mx	-.003	5
67	MP1B	X	1.969	2.5
68	MP1B	Z	-3.41	2.5
69	MP1B	Mx	.002	2.5
70	MP1B	X	1.969	5
71	MP1B	Z	-3.41	5
72	MP1B	Mx	.002	5
73	MP1C	X	2.261	2.5
74	MP1C	Z	-3.916	2.5
75	MP1C	Mx	-.001	2.5
76	MP1C	X	2.261	5
77	MP1C	Z	-3.916	5
78	MP1C	Mx	-.001	5
79	MP5B	X	1.969	2.5
80	MP5B	Z	-3.41	2.5
81	MP5B	Mx	.002	2.5
82	MP5B	X	1.969	5
83	MP5B	Z	-3.41	5
84	MP5B	Mx	.002	5
85	MP5C	X	2.261	2.5
86	MP5C	Z	-3.916	2.5
87	MP5C	Mx	-.001	2.5
88	MP5C	X	2.261	5
89	MP5C	Z	-3.916	5
90	MP5C	Mx	-.001	5
91	MP3A	X	.293	1
92	MP3A	Z	-.508	1
93	MP3A	Mx	.000275	1
94	MP3B	X	.279	1
95	MP3B	Z	-.483	1
96	MP3B	Mx	-.000279	1
97	MP3C	X	.372	1
98	MP3C	Z	-.644	1
99	MP3C	Mx	.000186	1
100	MP2A	X	1.868	3
101	MP2A	Z	-3.236	3
102	MP2A	Mx	.000934	3
103	MP2B	X	1.362	3
104	MP2B	Z	-2.359	3
105	MP2B	Mx	-.001	3
106	MP2C	X	1.868	3
107	MP2C	Z	-3.236	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP2C	Mx	.000934	3
109	MP3A	X	1.212	3
110	MP3A	Z	-2.1	3
111	MP3A	Mx	.001	3
112	MP3B	X	1.103	3
113	MP3B	Z	-1.91	3
114	MP3B	Mx	-.001	3
115	MP3C	X	1.804	3
116	MP3C	Z	-3.124	3
117	MP3C	Mx	.000902	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	5.734	2
2	MP3A	Z	-3.31	2
3	MP3A	Mx	-.003	2
4	MP3A	X	5.734	5.5
5	MP3A	Z	-3.31	5.5
6	MP3A	Mx	-.003	5.5
7	MP3B	X	6.382	2
8	MP3B	Z	-3.685	2
9	MP3B	Mx	.000888	2
10	MP3B	X	6.382	5.5
11	MP3B	Z	-3.685	5.5
12	MP3B	Mx	.000888	5.5
13	MP3C	X	8.595	2
14	MP3C	Z	-4.962	2
15	MP3C	Mx	.006	2
16	MP3C	X	8.595	5.5
17	MP3C	Z	-4.962	5.5
18	MP3C	Mx	.006	5.5
19	MP3A	X	5.734	2
20	MP3A	Z	-3.31	2
21	MP3A	Mx	-.004	2
22	MP3A	X	5.734	5.5
23	MP3A	Z	-3.31	5.5
24	MP3A	Mx	-.004	5.5
25	MP3B	X	6.382	2
26	MP3B	Z	-3.685	2
27	MP3B	Mx	.005	2
28	MP3B	X	6.382	5.5
29	MP3B	Z	-3.685	5.5
30	MP3B	Mx	.005	5.5
31	MP3C	X	8.595	2
32	MP3C	Z	-4.962	2
33	MP3C	Mx	-.006	2
34	MP3C	X	8.595	5.5
35	MP3C	Z	-4.962	5.5
36	MP3C	Mx	-.006	5.5
37	MP4A	X	1.817	3
38	MP4A	Z	-1.049	3
39	MP4A	Mx	-.001	3
40	MP4A	X	1.817	4.5
41	MP4A	Z	-1.049	4.5
42	MP4A	Mx	-.001	4.5
43	MP4B	X	2.411	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4B	Z	-1.392	3
45	MP4B	Mx	.001	3
46	MP4B	X	2.411	4.5
47	MP4B	Z	-1.392	4.5
48	MP4B	Mx	.001	4.5
49	MP4C	X	4.434	3
50	MP4C	Z	-2.56	3
51	MP4C	Mx	0	3
52	MP4C	X	4.434	4.5
53	MP4C	Z	-2.56	4.5
54	MP4C	Mx	0	4.5
55	MP1A	X	5.342	2.5
56	MP1A	Z	-3.084	2.5
57	MP1A	Mx	-.003	2.5
58	MP1A	X	5.342	5
59	MP1A	Z	-3.084	5
60	MP1A	Mx	-.003	5
61	MP5A	X	5.342	2.5
62	MP5A	Z	-3.084	2.5
63	MP5A	Mx	-.003	2.5
64	MP5A	X	5.342	5
65	MP5A	Z	-3.084	5
66	MP5A	Mx	-.003	5
67	MP1B	X	3.579	2.5
68	MP1B	Z	-2.066	2.5
69	MP1B	Mx	.002	2.5
70	MP1B	X	3.579	5
71	MP1B	Z	-2.066	5
72	MP1B	Mx	.002	5
73	MP1C	X	4.085	2.5
74	MP1C	Z	-2.359	2.5
75	MP1C	Mx	0	2.5
76	MP1C	X	4.085	5
77	MP1C	Z	-2.359	5
78	MP1C	Mx	0	5
79	MP5B	X	3.579	2.5
80	MP5B	Z	-2.066	2.5
81	MP5B	Mx	.002	2.5
82	MP5B	X	3.579	5
83	MP5B	Z	-2.066	5
84	MP5B	Mx	.002	5
85	MP5C	X	4.085	2.5
86	MP5C	Z	-2.359	2.5
87	MP5C	Mx	0	2.5
88	MP5C	X	4.085	5
89	MP5C	Z	-2.359	5
90	MP5C	Mx	0	5
91	MP3A	X	.49	1
92	MP3A	Z	-.283	1
93	MP3A	Mx	.000279	1
94	MP3B	X	.537	1
95	MP3B	Z	-.31	1
96	MP3B	Mx	-.000268	1
97	MP3C	X	.698	1
98	MP3C	Z	-.403	1
99	MP3C	Mx	0	1
100	MP2A	X	2.651	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP2A	Z	-1.531	3
102	MP2A	Mx	.001	3
103	MP2B	X	2.651	3
104	MP2B	Z	-1.531	3
105	MP2B	Mx	-.001	3
106	MP2C	X	3.528	3
107	MP2C	Z	-2.037	3
108	MP2C	Mx	0	3
109	MP3A	X	1.959	3
110	MP3A	Z	-1.131	3
111	MP3A	Mx	.001	3
112	MP3B	X	2.315	3
113	MP3B	Z	-1.337	3
114	MP3B	Mx	-.001	3
115	MP3C	X	3.528	3
116	MP3C	Z	-2.037	3
117	MP3C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.926	2
2	MP3A	Z	0	2
3	MP3A	Mx	.000148	2
4	MP3A	X	7.926	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	.000148	5.5
7	MP3B	X	9.073	2
8	MP3B	Z	0	2
9	MP3B	Mx	-.003	2
10	MP3B	X	9.073	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	-.003	5.5
13	MP3C	X	9.073	2
14	MP3C	Z	0	2
15	MP3C	Mx	.007	2
16	MP3C	X	9.073	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	.007	5.5
19	MP3A	X	7.926	2
20	MP3A	Z	0	2
21	MP3A	Mx	-.006	2
22	MP3A	X	7.926	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	-.006	5.5
25	MP3B	X	9.073	2
26	MP3B	Z	0	2
27	MP3B	Mx	.007	2
28	MP3B	X	9.073	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	.007	5.5
31	MP3C	X	9.073	2
32	MP3C	Z	0	2
33	MP3C	Mx	-.003	2
34	MP3C	X	9.073	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP4A	X	3.292	3
38	MP4A	Z	0	3
39	MP4A	Mx	-.001	3
40	MP4A	X	3.292	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	-.001	4.5
43	MP4B	X	4.341	3
44	MP4B	Z	0	3
45	MP4B	Mx	.001	3
46	MP4B	X	4.341	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	.001	4.5
49	MP4C	X	4.341	3
50	MP4C	Z	0	3
51	MP4C	Mx	.001	3
52	MP4C	X	4.341	4.5
53	MP4C	Z	0	4.5
54	MP4C	Mx	.001	4.5
55	MP1A	X	7.337	2.5
56	MP1A	Z	0	2.5
57	MP1A	Mx	-.003	2.5
58	MP1A	X	7.337	5
59	MP1A	Z	0	5
60	MP1A	Mx	-.003	5
61	MP5A	X	7.337	2.5
62	MP5A	Z	0	2.5
63	MP5A	Mx	-.003	2.5
64	MP5A	X	7.337	5
65	MP5A	Z	0	5
66	MP5A	Mx	-.003	5
67	MP1B	X	4.522	2.5
68	MP1B	Z	0	2.5
69	MP1B	Mx	.001	2.5
70	MP1B	X	4.522	5
71	MP1B	Z	0	5
72	MP1B	Mx	.001	5
73	MP1C	X	4.522	2.5
74	MP1C	Z	0	2.5
75	MP1C	Mx	.001	2.5
76	MP1C	X	4.522	5
77	MP1C	Z	0	5
78	MP1C	Mx	.001	5
79	MP5B	X	4.522	2.5
80	MP5B	Z	0	2.5
81	MP5B	Mx	.001	2.5
82	MP5B	X	4.522	5
83	MP5B	Z	0	5
84	MP5B	Mx	.001	5
85	MP5C	X	4.522	2.5
86	MP5C	Z	0	2.5
87	MP5C	Mx	.001	2.5
88	MP5C	X	4.522	5
89	MP5C	Z	0	5
90	MP5C	Mx	.001	5
91	MP3A	X	.66	1
92	MP3A	Z	0	1
93	MP3A	Mx	.000253	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP3B	X	.744	1
95	MP3B	Z	0	1
96	MP3B	Mx	-.000186	1
97	MP3C	X	.744	1
98	MP3C	Z	0	1
99	MP3C	Mx	-.000186	1
100	MP2A	X	2.723	3
101	MP2A	Z	0	3
102	MP2A	Mx	.001	3
103	MP2B	X	3.737	3
104	MP2B	Z	0	3
105	MP2B	Mx	-.000934	3
106	MP2C	X	3.737	3
107	MP2C	Z	0	3
108	MP2C	Mx	-.000934	3
109	MP3A	X	2.978	3
110	MP3A	Z	0	3
111	MP3A	Mx	.001	3
112	MP3B	X	3.607	3
113	MP3B	Z	0	3
114	MP3B	Mx	-.000902	3
115	MP3C	X	3.607	3
116	MP3C	Z	0	3
117	MP3C	Mx	-.000902	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	8.25	2
2	MP3A	Z	4.763	2
3	MP3A	Mx	.004	2
4	MP3A	X	8.25	5.5
5	MP3A	Z	4.763	5.5
6	MP3A	Mx	.004	5.5
7	MP3B	X	8.595	2
8	MP3B	Z	4.962	2
9	MP3B	Mx	-.006	2
10	MP3B	X	8.595	5.5
11	MP3B	Z	4.962	5.5
12	MP3B	Mx	-.006	5.5
13	MP3C	X	6.382	2
14	MP3C	Z	3.685	2
15	MP3C	Mx	.005	2
16	MP3C	X	6.382	5.5
17	MP3C	Z	3.685	5.5
18	MP3C	Mx	.005	5.5
19	MP3A	X	8.25	2
20	MP3A	Z	4.763	2
21	MP3A	Mx	-.007	2
22	MP3A	X	8.25	5.5
23	MP3A	Z	4.763	5.5
24	MP3A	Mx	-.007	5.5
25	MP3B	X	8.595	2
26	MP3B	Z	4.962	2
27	MP3B	Mx	.006	2
28	MP3B	X	8.595	5.5
29	MP3B	Z	4.962	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP3B	Mx	.006	5.5
31	MP3C	X	6.382	2
32	MP3C	Z	3.685	2
33	MP3C	Mx	.000888	2
34	MP3C	X	6.382	5.5
35	MP3C	Z	3.685	5.5
36	MP3C	Mx	.000888	5.5
37	MP4A	X	4.119	3
38	MP4A	Z	2.378	3
39	MP4A	Mx	-.000813	3
40	MP4A	X	4.119	4.5
41	MP4A	Z	2.378	4.5
42	MP4A	Mx	-.000813	4.5
43	MP4B	X	4.434	3
44	MP4B	Z	2.56	3
45	MP4B	Mx	0	3
46	MP4B	X	4.434	4.5
47	MP4B	Z	2.56	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	2.411	3
50	MP4C	Z	1.392	3
51	MP4C	Mx	.001	3
52	MP4C	X	2.411	4.5
53	MP4C	Z	1.392	4.5
54	MP4C	Mx	.001	4.5
55	MP1A	X	7.597	2.5
56	MP1A	Z	4.386	2.5
57	MP1A	Mx	-.002	2.5
58	MP1A	X	7.597	5
59	MP1A	Z	4.386	5
60	MP1A	Mx	-.002	5
61	MP5A	X	7.597	2.5
62	MP5A	Z	4.386	2.5
63	MP5A	Mx	-.002	2.5
64	MP5A	X	7.597	5
65	MP5A	Z	4.386	5
66	MP5A	Mx	-.002	5
67	MP1B	X	4.085	2.5
68	MP1B	Z	2.359	2.5
69	MP1B	Mx	0	2.5
70	MP1B	X	4.085	5
71	MP1B	Z	2.359	5
72	MP1B	Mx	0	5
73	MP1C	X	3.579	2.5
74	MP1C	Z	2.066	2.5
75	MP1C	Mx	.002	2.5
76	MP1C	X	3.579	5
77	MP1C	Z	2.066	5
78	MP1C	Mx	.002	5
79	MP5B	X	4.085	2.5
80	MP5B	Z	2.359	2.5
81	MP5B	Mx	0	2.5
82	MP5B	X	4.085	5
83	MP5B	Z	2.359	5
84	MP5B	Mx	0	5
85	MP5C	X	3.579	2.5
86	MP5C	Z	2.066	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP5C	Mx	.002	2.5
88	MP5C	X	3.579	5
89	MP5C	Z	2.066	5
90	MP5C	Mx	.002	5
91	MP3A	X	.673	1
92	MP3A	Z	.389	1
93	MP3A	Mx	.000133	1
94	MP3B	X	.698	1
95	MP3B	Z	.403	1
96	MP3B	Mx	0	1
97	MP3C	X	.537	1
98	MP3C	Z	.31	1
99	MP3C	Mx	-.000268	1
100	MP2A	X	2.651	3
101	MP2A	Z	1.531	3
102	MP2A	Mx	.001	3
103	MP2B	X	3.528	3
104	MP2B	Z	2.037	3
105	MP2B	Mx	0	3
106	MP2C	X	2.651	3
107	MP2C	Z	1.531	3
108	MP2C	Mx	-.001	3
109	MP3A	X	3.339	3
110	MP3A	Z	1.928	3
111	MP3A	Mx	.000659	3
112	MP3B	X	3.528	3
113	MP3B	Z	2.037	3
114	MP3B	Mx	0	3
115	MP3C	X	2.315	3
116	MP3C	Z	1.337	3
117	MP3C	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	4.911	2
2	MP3A	Z	8.506	2
3	MP3A	Mx	.007	2
4	MP3A	X	4.911	5.5
5	MP3A	Z	8.506	5.5
6	MP3A	Mx	.007	5.5
7	MP3B	X	4.536	2
8	MP3B	Z	7.857	2
9	MP3B	Mx	-.007	2
10	MP3B	X	4.536	5.5
11	MP3B	Z	7.857	5.5
12	MP3B	Mx	-.007	5.5
13	MP3C	X	3.259	2
14	MP3C	Z	5.645	2
15	MP3C	Mx	.003	2
16	MP3C	X	3.259	5.5
17	MP3C	Z	5.645	5.5
18	MP3C	Mx	.003	5.5
19	MP3A	X	4.911	2
20	MP3A	Z	8.506	2
21	MP3A	Mx	-.005	2
22	MP3A	X	4.911	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	8.506	5.5
24	MP3A	Mx	-.005	5.5
25	MP3B	X	4.536	2
26	MP3B	Z	7.857	2
27	MP3B	Mx	.003	2
28	MP3B	X	4.536	5.5
29	MP3B	Z	7.857	5.5
30	MP3B	Mx	.003	5.5
31	MP3C	X	3.259	2
32	MP3C	Z	5.645	2
33	MP3C	Mx	.003	2
34	MP3C	X	3.259	5.5
35	MP3C	Z	5.645	5.5
36	MP3C	Mx	.003	5.5
37	MP4A	X	2.513	3
38	MP4A	Z	4.353	3
39	MP4A	Mx	.000436	3
40	MP4A	X	2.513	4.5
41	MP4A	Z	4.353	4.5
42	MP4A	Mx	.000436	4.5
43	MP4B	X	2.171	3
44	MP4B	Z	3.76	3
45	MP4B	Mx	-.001	3
46	MP4B	X	2.171	4.5
47	MP4B	Z	3.76	4.5
48	MP4B	Mx	-.001	4.5
49	MP4C	X	1.002	3
50	MP4C	Z	1.736	3
51	MP4C	Mx	.001	3
52	MP4C	X	1.002	4.5
53	MP4C	Z	1.736	4.5
54	MP4C	Mx	.001	4.5
55	MP1A	X	4.519	2.5
56	MP1A	Z	7.826	2.5
57	MP1A	Mx	.000784	2.5
58	MP1A	X	4.519	5
59	MP1A	Z	7.826	5
60	MP1A	Mx	.000784	5
61	MP5A	X	4.519	2.5
62	MP5A	Z	7.826	2.5
63	MP5A	Mx	.000784	2.5
64	MP5A	X	4.519	5
65	MP5A	Z	7.826	5
66	MP5A	Mx	.000784	5
67	MP1B	X	2.261	2.5
68	MP1B	Z	3.916	2.5
69	MP1B	Mx	-.001	2.5
70	MP1B	X	2.261	5
71	MP1B	Z	3.916	5
72	MP1B	Mx	-.001	5
73	MP1C	X	1.969	2.5
74	MP1C	Z	3.41	2.5
75	MP1C	Mx	.002	2.5
76	MP1C	X	1.969	5
77	MP1C	Z	3.41	5
78	MP1C	Mx	.002	5
79	MP5B	X	2.261	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP5B	Z	3.916	2.5
81	MP5B	Mx	-.001	2.5
82	MP5B	X	2.261	5
83	MP5B	Z	3.916	5
84	MP5B	Mx	-.001	5
85	MP5C	X	1.969	2.5
86	MP5C	Z	3.41	2.5
87	MP5C	Mx	.002	2.5
88	MP5C	X	1.969	5
89	MP5C	Z	3.41	5
90	MP5C	Mx	.002	5
91	MP3A	X	.399	1
92	MP3A	Z	.692	1
93	MP3A	Mx	-7e-5	1
94	MP3B	X	.372	1
95	MP3B	Z	.644	1
96	MP3B	Mx	.000186	1
97	MP3C	X	.279	1
98	MP3C	Z	.483	1
99	MP3C	Mx	-.000279	1
100	MP2A	X	1.868	3
101	MP2A	Z	3.236	3
102	MP2A	Mx	.000934	3
103	MP2B	X	1.868	3
104	MP2B	Z	3.236	3
105	MP2B	Mx	.000934	3
106	MP2C	X	1.362	3
107	MP2C	Z	2.359	3
108	MP2C	Mx	-.001	3
109	MP3A	X	2.009	3
110	MP3A	Z	3.48	3
111	MP3A	Mx	-.000349	3
112	MP3B	X	1.804	3
113	MP3B	Z	3.124	3
114	MP3B	Mx	.000902	3
115	MP3C	X	1.103	3
116	MP3C	Z	1.91	3
117	MP3C	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2
2	MP3A	Z	8.517	2
3	MP3A	Mx	.007	2
4	MP3A	X	0	5.5
5	MP3A	Z	8.517	5.5
6	MP3A	Mx	.007	5.5
7	MP3B	X	0	2
8	MP3B	Z	7.37	2
9	MP3B	Mx	-.005	2
10	MP3B	X	0	5.5
11	MP3B	Z	7.37	5.5
12	MP3B	Mx	-.005	5.5
13	MP3C	X	0	2
14	MP3C	Z	7.37	2
15	MP3C	Mx	.000888	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3C	X	0	5.5
17	MP3C	Z	7.37	5.5
18	MP3C	Mx	.000888	5.5
19	MP3A	X	0	2
20	MP3A	Z	8.517	2
21	MP3A	Mx	-.001	2
22	MP3A	X	0	5.5
23	MP3A	Z	8.517	5.5
24	MP3A	Mx	-.001	5.5
25	MP3B	X	0	2
26	MP3B	Z	7.37	2
27	MP3B	Mx	-.000888	2
28	MP3B	X	0	5.5
29	MP3B	Z	7.37	5.5
30	MP3B	Mx	-.000888	5.5
31	MP3C	X	0	2
32	MP3C	Z	7.37	2
33	MP3C	Mx	.005	2
34	MP3C	X	0	5.5
35	MP3C	Z	7.37	5.5
36	MP3C	Mx	.005	5.5
37	MP4A	X	0	3
38	MP4A	Z	3.833	3
39	MP4A	Mx	.001	3
40	MP4A	X	0	4.5
41	MP4A	Z	3.833	4.5
42	MP4A	Mx	.001	4.5
43	MP4B	X	0	3
44	MP4B	Z	2.783	3
45	MP4B	Mx	-.001	3
46	MP4B	X	0	4.5
47	MP4B	Z	2.783	4.5
48	MP4B	Mx	-.001	4.5
49	MP4C	X	0	3
50	MP4C	Z	2.783	3
51	MP4C	Mx	.001	3
52	MP4C	X	0	4.5
53	MP4C	Z	2.783	4.5
54	MP4C	Mx	.001	4.5
55	MP1A	X	0	2.5
56	MP1A	Z	7.868	2.5
57	MP1A	Mx	.003	2.5
58	MP1A	X	0	5
59	MP1A	Z	7.868	5
60	MP1A	Mx	.003	5
61	MP5A	X	0	2.5
62	MP5A	Z	7.868	2.5
63	MP5A	Mx	.003	2.5
64	MP5A	X	0	5
65	MP5A	Z	7.868	5
66	MP5A	Mx	.003	5
67	MP1B	X	0	2.5
68	MP1B	Z	4.133	2.5
69	MP1B	Mx	-.002	2.5
70	MP1B	X	0	5
71	MP1B	Z	4.133	5
72	MP1B	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP1C	X	0	2.5
74	MP1C	Z	4.133	2.5
75	MP1C	Mx	.002	2.5
76	MP1C	X	0	5
77	MP1C	Z	4.133	5
78	MP1C	Mx	.002	5
79	MP5B	X	0	2.5
80	MP5B	Z	4.133	2.5
81	MP5B	Mx	-.002	2.5
82	MP5B	X	0	5
83	MP5B	Z	4.133	5
84	MP5B	Mx	-.002	5
85	MP5C	X	0	2.5
86	MP5C	Z	4.133	2.5
87	MP5C	Mx	.002	2.5
88	MP5C	X	0	5
89	MP5C	Z	4.133	5
90	MP5C	Mx	.002	5
91	MP3A	X	0	1
92	MP3A	Z	.704	1
93	MP3A	Mx	-.000226	1
94	MP3B	X	0	1
95	MP3B	Z	.62	1
96	MP3B	Mx	.000268	1
97	MP3C	X	0	1
98	MP3C	Z	.62	1
99	MP3C	Mx	-.000268	1
100	MP2A	X	0	3
101	MP2A	Z	4.074	3
102	MP2A	Mx	0	3
103	MP2B	X	0	3
104	MP2B	Z	3.061	3
105	MP2B	Mx	.001	3
106	MP2C	X	0	3
107	MP2C	Z	3.061	3
108	MP2C	Mx	-.001	3
109	MP3A	X	0	3
110	MP3A	Z	3.302	3
111	MP3A	Mx	-.001	3
112	MP3B	X	0	3
113	MP3B	Z	2.673	3
114	MP3B	Mx	.001	3
115	MP3C	X	0	3
116	MP3C	Z	2.673	3
117	MP3C	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.458	2
2	MP3A	Z	5.99	2
3	MP3A	Mx	.005	2
4	MP3A	X	-3.458	5.5
5	MP3A	Z	5.99	5.5
6	MP3A	Mx	.005	5.5
7	MP3B	X	-3.259	2
8	MP3B	Z	5.645	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	-.003	2
10	MP3B	X	-3.259	5.5
11	MP3B	Z	5.645	5.5
12	MP3B	Mx	-.003	5.5
13	MP3C	X	-4.536	2
14	MP3C	Z	7.857	2
15	MP3C	Mx	-.003	2
16	MP3C	X	-4.536	5.5
17	MP3C	Z	7.857	5.5
18	MP3C	Mx	-.003	5.5
19	MP3A	X	-3.458	2
20	MP3A	Z	5.99	2
21	MP3A	Mx	.002	2
22	MP3A	X	-3.458	5.5
23	MP3A	Z	5.99	5.5
24	MP3A	Mx	.002	5.5
25	MP3B	X	-3.259	2
26	MP3B	Z	5.645	2
27	MP3B	Mx	-.003	2
28	MP3B	X	-3.259	5.5
29	MP3B	Z	5.645	5.5
30	MP3B	Mx	-.003	5.5
31	MP3C	X	-4.536	2
32	MP3C	Z	7.857	2
33	MP3C	Mx	.007	2
34	MP3C	X	-4.536	5.5
35	MP3C	Z	7.857	5.5
36	MP3C	Mx	.007	5.5
37	MP4A	X	-1.184	3
38	MP4A	Z	2.052	3
39	MP4A	Mx	.001	3
40	MP4A	X	-1.184	4.5
41	MP4A	Z	2.052	4.5
42	MP4A	Mx	.001	4.5
43	MP4B	X	-1.002	3
44	MP4B	Z	1.736	3
45	MP4B	Mx	-.001	3
46	MP4B	X	-1.002	4.5
47	MP4B	Z	1.736	4.5
48	MP4B	Mx	-.001	4.5
49	MP4C	X	-2.171	3
50	MP4C	Z	3.76	3
51	MP4C	Mx	.001	3
52	MP4C	X	-2.171	4.5
53	MP4C	Z	3.76	4.5
54	MP4C	Mx	.001	4.5
55	MP1A	X	-3.217	2.5
56	MP1A	Z	5.571	2.5
57	MP1A	Mx	.003	2.5
58	MP1A	X	-3.217	5
59	MP1A	Z	5.571	5
60	MP1A	Mx	.003	5
61	MP5A	X	-3.217	2.5
62	MP5A	Z	5.571	2.5
63	MP5A	Mx	.003	2.5
64	MP5A	X	-3.217	5
65	MP5A	Z	5.571	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP5A	Mx	.003	5
67	MP1B	X	-1.969	2.5
68	MP1B	Z	3.41	2.5
69	MP1B	Mx	-.002	2.5
70	MP1B	X	-1.969	5
71	MP1B	Z	3.41	5
72	MP1B	Mx	-.002	5
73	MP1C	X	-2.261	2.5
74	MP1C	Z	3.916	2.5
75	MP1C	Mx	.001	2.5
76	MP1C	X	-2.261	5
77	MP1C	Z	3.916	5
78	MP1C	Mx	.001	5
79	MP5B	X	-1.969	2.5
80	MP5B	Z	3.41	2.5
81	MP5B	Mx	-.002	2.5
82	MP5B	X	-1.969	5
83	MP5B	Z	3.41	5
84	MP5B	Mx	-.002	5
85	MP5C	X	-2.261	2.5
86	MP5C	Z	3.916	2.5
87	MP5C	Mx	.001	2.5
88	MP5C	X	-2.261	5
89	MP5C	Z	3.916	5
90	MP5C	Mx	.001	5
91	MP3A	X	-.293	1
92	MP3A	Z	.508	1
93	MP3A	Mx	-.000275	1
94	MP3B	X	-.279	1
95	MP3B	Z	.483	1
96	MP3B	Mx	.000279	1
97	MP3C	X	-.372	1
98	MP3C	Z	.644	1
99	MP3C	Mx	-.000186	1
100	MP2A	X	-1.868	3
101	MP2A	Z	3.236	3
102	MP2A	Mx	-.000934	3
103	MP2B	X	-1.362	3
104	MP2B	Z	2.359	3
105	MP2B	Mx	.001	3
106	MP2C	X	-1.868	3
107	MP2C	Z	3.236	3
108	MP2C	Mx	-.000934	3
109	MP3A	X	-1.212	3
110	MP3A	Z	2.1	3
111	MP3A	Mx	-.001	3
112	MP3B	X	-1.103	3
113	MP3B	Z	1.91	3
114	MP3B	Mx	.001	3
115	MP3C	X	-1.804	3
116	MP3C	Z	3.124	3
117	MP3C	Mx	-.000902	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-5.734	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	Z	3.31	2
3	MP3A	Mx	.003	2
4	MP3A	X	-5.734	5.5
5	MP3A	Z	3.31	5.5
6	MP3A	Mx	.003	5.5
7	MP3B	X	-6.382	2
8	MP3B	Z	3.685	2
9	MP3B	Mx	-.000888	2
10	MP3B	X	-6.382	5.5
11	MP3B	Z	3.685	5.5
12	MP3B	Mx	-.000888	5.5
13	MP3C	X	-8.595	2
14	MP3C	Z	4.962	2
15	MP3C	Mx	-.006	2
16	MP3C	X	-8.595	5.5
17	MP3C	Z	4.962	5.5
18	MP3C	Mx	-.006	5.5
19	MP3A	X	-5.734	2
20	MP3A	Z	3.31	2
21	MP3A	Mx	.004	2
22	MP3A	X	-5.734	5.5
23	MP3A	Z	3.31	5.5
24	MP3A	Mx	.004	5.5
25	MP3B	X	-6.382	2
26	MP3B	Z	3.685	2
27	MP3B	Mx	-.005	2
28	MP3B	X	-6.382	5.5
29	MP3B	Z	3.685	5.5
30	MP3B	Mx	-.005	5.5
31	MP3C	X	-8.595	2
32	MP3C	Z	4.962	2
33	MP3C	Mx	.006	2
34	MP3C	X	-8.595	5.5
35	MP3C	Z	4.962	5.5
36	MP3C	Mx	.006	5.5
37	MP4A	X	-1.817	3
38	MP4A	Z	1.049	3
39	MP4A	Mx	.001	3
40	MP4A	X	-1.817	4.5
41	MP4A	Z	1.049	4.5
42	MP4A	Mx	.001	4.5
43	MP4B	X	-2.411	3
44	MP4B	Z	1.392	3
45	MP4B	Mx	-.001	3
46	MP4B	X	-2.411	4.5
47	MP4B	Z	1.392	4.5
48	MP4B	Mx	-.001	4.5
49	MP4C	X	-4.434	3
50	MP4C	Z	2.56	3
51	MP4C	Mx	0	3
52	MP4C	X	-4.434	4.5
53	MP4C	Z	2.56	4.5
54	MP4C	Mx	0	4.5
55	MP1A	X	-5.342	2.5
56	MP1A	Z	3.084	2.5
57	MP1A	Mx	.003	2.5
58	MP1A	X	-5.342	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP1A	Z	3.084	5
60	MP1A	Mx	.003	5
61	MP5A	X	-5.342	2.5
62	MP5A	Z	3.084	2.5
63	MP5A	Mx	.003	2.5
64	MP5A	X	-5.342	5
65	MP5A	Z	3.084	5
66	MP5A	Mx	.003	5
67	MP1B	X	-3.579	2.5
68	MP1B	Z	2.066	2.5
69	MP1B	Mx	-.002	2.5
70	MP1B	X	-3.579	5
71	MP1B	Z	2.066	5
72	MP1B	Mx	-.002	5
73	MP1C	X	-4.085	2.5
74	MP1C	Z	2.359	2.5
75	MP1C	Mx	0	2.5
76	MP1C	X	-4.085	5
77	MP1C	Z	2.359	5
78	MP1C	Mx	0	5
79	MP5B	X	-3.579	2.5
80	MP5B	Z	2.066	2.5
81	MP5B	Mx	-.002	2.5
82	MP5B	X	-3.579	5
83	MP5B	Z	2.066	5
84	MP5B	Mx	-.002	5
85	MP5C	X	-4.085	2.5
86	MP5C	Z	2.359	2.5
87	MP5C	Mx	0	2.5
88	MP5C	X	-4.085	5
89	MP5C	Z	2.359	5
90	MP5C	Mx	0	5
91	MP3A	X	-.49	1
92	MP3A	Z	.283	1
93	MP3A	Mx	-.000279	1
94	MP3B	X	-.537	1
95	MP3B	Z	.31	1
96	MP3B	Mx	.000268	1
97	MP3C	X	-.698	1
98	MP3C	Z	.403	1
99	MP3C	Mx	0	1
100	MP2A	X	-2.651	3
101	MP2A	Z	1.531	3
102	MP2A	Mx	-.001	3
103	MP2B	X	-2.651	3
104	MP2B	Z	1.531	3
105	MP2B	Mx	.001	3
106	MP2C	X	-3.528	3
107	MP2C	Z	2.037	3
108	MP2C	Mx	0	3
109	MP3A	X	-1.959	3
110	MP3A	Z	1.131	3
111	MP3A	Mx	-.001	3
112	MP3B	X	-2.315	3
113	MP3B	Z	1.337	3
114	MP3B	Mx	.001	3
115	MP3C	X	-3.528	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP3C	Z	2.037	3
117	MP3C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.926	2
2	MP3A	Z	0	2
3	MP3A	Mx	-.000148	2
4	MP3A	X	-7.926	5.5
5	MP3A	Z	0	5.5
6	MP3A	Mx	-.000148	5.5
7	MP3B	X	-9.073	2
8	MP3B	Z	0	2
9	MP3B	Mx	.003	2
10	MP3B	X	-9.073	5.5
11	MP3B	Z	0	5.5
12	MP3B	Mx	.003	5.5
13	MP3C	X	-9.073	2
14	MP3C	Z	0	2
15	MP3C	Mx	-.007	2
16	MP3C	X	-9.073	5.5
17	MP3C	Z	0	5.5
18	MP3C	Mx	-.007	5.5
19	MP3A	X	-7.926	2
20	MP3A	Z	0	2
21	MP3A	Mx	.006	2
22	MP3A	X	-7.926	5.5
23	MP3A	Z	0	5.5
24	MP3A	Mx	.006	5.5
25	MP3B	X	-9.073	2
26	MP3B	Z	0	2
27	MP3B	Mx	-.007	2
28	MP3B	X	-9.073	5.5
29	MP3B	Z	0	5.5
30	MP3B	Mx	-.007	5.5
31	MP3C	X	-9.073	2
32	MP3C	Z	0	2
33	MP3C	Mx	.003	2
34	MP3C	X	-9.073	5.5
35	MP3C	Z	0	5.5
36	MP3C	Mx	.003	5.5
37	MP4A	X	-3.292	3
38	MP4A	Z	0	3
39	MP4A	Mx	.001	3
40	MP4A	X	-3.292	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	.001	4.5
43	MP4B	X	-4.341	3
44	MP4B	Z	0	3
45	MP4B	Mx	-.001	3
46	MP4B	X	-4.341	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	-.001	4.5
49	MP4C	X	-4.341	3
50	MP4C	Z	0	3
51	MP4C	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	-4.341	4.5
53	MP4C	Z	0	4.5
54	MP4C	Mx	-.001	4.5
55	MP1A	X	-7.337	2.5
56	MP1A	Z	0	2.5
57	MP1A	Mx	.003	2.5
58	MP1A	X	-7.337	5
59	MP1A	Z	0	5
60	MP1A	Mx	.003	5
61	MP5A	X	-7.337	2.5
62	MP5A	Z	0	2.5
63	MP5A	Mx	.003	2.5
64	MP5A	X	-7.337	5
65	MP5A	Z	0	5
66	MP5A	Mx	.003	5
67	MP1B	X	-4.522	2.5
68	MP1B	Z	0	2.5
69	MP1B	Mx	-.001	2.5
70	MP1B	X	-4.522	5
71	MP1B	Z	0	5
72	MP1B	Mx	-.001	5
73	MP1C	X	-4.522	2.5
74	MP1C	Z	0	2.5
75	MP1C	Mx	-.001	2.5
76	MP1C	X	-4.522	5
77	MP1C	Z	0	5
78	MP1C	Mx	-.001	5
79	MP5B	X	-4.522	2.5
80	MP5B	Z	0	2.5
81	MP5B	Mx	-.001	2.5
82	MP5B	X	-4.522	5
83	MP5B	Z	0	5
84	MP5B	Mx	-.001	5
85	MP5C	X	-4.522	2.5
86	MP5C	Z	0	2.5
87	MP5C	Mx	-.001	2.5
88	MP5C	X	-4.522	5
89	MP5C	Z	0	5
90	MP5C	Mx	-.001	5
91	MP3A	X	-.66	1
92	MP3A	Z	0	1
93	MP3A	Mx	-.000253	1
94	MP3B	X	-.744	1
95	MP3B	Z	0	1
96	MP3B	Mx	.000186	1
97	MP3C	X	-.744	1
98	MP3C	Z	0	1
99	MP3C	Mx	.000186	1
100	MP2A	X	-2.723	3
101	MP2A	Z	0	3
102	MP2A	Mx	-.001	3
103	MP2B	X	-3.737	3
104	MP2B	Z	0	3
105	MP2B	Mx	.000934	3
106	MP2C	X	-3.737	3
107	MP2C	Z	0	3
108	MP2C	Mx	.000934	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP3A	X	-2.978	3
110	MP3A	Z	0	3
111	MP3A	Mx	-.001	3
112	MP3B	X	-3.607	3
113	MP3B	Z	0	3
114	MP3B	Mx	.000902	3
115	MP3C	X	-3.607	3
116	MP3C	Z	0	3
117	MP3C	Mx	.000902	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-8.25	2
2	MP3A	Z	-4.763	2
3	MP3A	Mx	-.004	2
4	MP3A	X	-8.25	5.5
5	MP3A	Z	-4.763	5.5
6	MP3A	Mx	-.004	5.5
7	MP3B	X	-8.595	2
8	MP3B	Z	-4.962	2
9	MP3B	Mx	.006	2
10	MP3B	X	-8.595	5.5
11	MP3B	Z	-4.962	5.5
12	MP3B	Mx	.006	5.5
13	MP3C	X	-6.382	2
14	MP3C	Z	-3.685	2
15	MP3C	Mx	-.005	2
16	MP3C	X	-6.382	5.5
17	MP3C	Z	-3.685	5.5
18	MP3C	Mx	-.005	5.5
19	MP3A	X	-8.25	2
20	MP3A	Z	-4.763	2
21	MP3A	Mx	.007	2
22	MP3A	X	-8.25	5.5
23	MP3A	Z	-4.763	5.5
24	MP3A	Mx	.007	5.5
25	MP3B	X	-8.595	2
26	MP3B	Z	-4.962	2
27	MP3B	Mx	-.006	2
28	MP3B	X	-8.595	5.5
29	MP3B	Z	-4.962	5.5
30	MP3B	Mx	-.006	5.5
31	MP3C	X	-6.382	2
32	MP3C	Z	-3.685	2
33	MP3C	Mx	-.000888	2
34	MP3C	X	-6.382	5.5
35	MP3C	Z	-3.685	5.5
36	MP3C	Mx	-.000888	5.5
37	MP4A	X	-4.119	3
38	MP4A	Z	-2.378	3
39	MP4A	Mx	.000813	3
40	MP4A	X	-4.119	4.5
41	MP4A	Z	-2.378	4.5
42	MP4A	Mx	.000813	4.5
43	MP4B	X	-4.434	3
44	MP4B	Z	-2.56	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP4B	Mx	0	3
46	MP4B	X	-4.434	4.5
47	MP4B	Z	-2.56	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	-2.411	3
50	MP4C	Z	-1.392	3
51	MP4C	Mx	-.001	3
52	MP4C	X	-2.411	4.5
53	MP4C	Z	-1.392	4.5
54	MP4C	Mx	-.001	4.5
55	MP1A	X	-7.597	2.5
56	MP1A	Z	-4.386	2.5
57	MP1A	Mx	.002	2.5
58	MP1A	X	-7.597	5
59	MP1A	Z	-4.386	5
60	MP1A	Mx	.002	5
61	MP5A	X	-7.597	2.5
62	MP5A	Z	-4.386	2.5
63	MP5A	Mx	.002	2.5
64	MP5A	X	-7.597	5
65	MP5A	Z	-4.386	5
66	MP5A	Mx	.002	5
67	MP1B	X	-4.085	2.5
68	MP1B	Z	-2.359	2.5
69	MP1B	Mx	0	2.5
70	MP1B	X	-4.085	5
71	MP1B	Z	-2.359	5
72	MP1B	Mx	0	5
73	MP1C	X	-3.579	2.5
74	MP1C	Z	-2.066	2.5
75	MP1C	Mx	-.002	2.5
76	MP1C	X	-3.579	5
77	MP1C	Z	-2.066	5
78	MP1C	Mx	-.002	5
79	MP5B	X	-4.085	2.5
80	MP5B	Z	-2.359	2.5
81	MP5B	Mx	0	2.5
82	MP5B	X	-4.085	5
83	MP5B	Z	-2.359	5
84	MP5B	Mx	0	5
85	MP5C	X	-3.579	2.5
86	MP5C	Z	-2.066	2.5
87	MP5C	Mx	-.002	2.5
88	MP5C	X	-3.579	5
89	MP5C	Z	-2.066	5
90	MP5C	Mx	-.002	5
91	MP3A	X	-.673	1
92	MP3A	Z	-.389	1
93	MP3A	Mx	-.000133	1
94	MP3B	X	-.698	1
95	MP3B	Z	-.403	1
96	MP3B	Mx	0	1
97	MP3C	X	-.537	1
98	MP3C	Z	-.31	1
99	MP3C	Mx	.000268	1
100	MP2A	X	-2.651	3
101	MP2A	Z	-1.531	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP2A	Mx	-.001	3
103	MP2B	X	-3.528	3
104	MP2B	Z	-2.037	3
105	MP2B	Mx	0	3
106	MP2C	X	-2.651	3
107	MP2C	Z	-1.531	3
108	MP2C	Mx	.001	3
109	MP3A	X	-3.339	3
110	MP3A	Z	-1.928	3
111	MP3A	Mx	-.000659	3
112	MP3B	X	-3.528	3
113	MP3B	Z	-2.037	3
114	MP3B	Mx	0	3
115	MP3C	X	-2.315	3
116	MP3C	Z	-1.337	3
117	MP3C	Mx	.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.911	2
2	MP3A	Z	-8.506	2
3	MP3A	Mx	-.007	2
4	MP3A	X	-4.911	5.5
5	MP3A	Z	-8.506	5.5
6	MP3A	Mx	-.007	5.5
7	MP3B	X	-4.536	2
8	MP3B	Z	-7.857	2
9	MP3B	Mx	.007	2
10	MP3B	X	-4.536	5.5
11	MP3B	Z	-7.857	5.5
12	MP3B	Mx	.007	5.5
13	MP3C	X	-3.259	2
14	MP3C	Z	-5.645	2
15	MP3C	Mx	-.003	2
16	MP3C	X	-3.259	5.5
17	MP3C	Z	-5.645	5.5
18	MP3C	Mx	-.003	5.5
19	MP3A	X	-4.911	2
20	MP3A	Z	-8.506	2
21	MP3A	Mx	.005	2
22	MP3A	X	-4.911	5.5
23	MP3A	Z	-8.506	5.5
24	MP3A	Mx	.005	5.5
25	MP3B	X	-4.536	2
26	MP3B	Z	-7.857	2
27	MP3B	Mx	-.003	2
28	MP3B	X	-4.536	5.5
29	MP3B	Z	-7.857	5.5
30	MP3B	Mx	-.003	5.5
31	MP3C	X	-3.259	2
32	MP3C	Z	-5.645	2
33	MP3C	Mx	-.003	2
34	MP3C	X	-3.259	5.5
35	MP3C	Z	-5.645	5.5
36	MP3C	Mx	-.003	5.5
37	MP4A	X	-2.513	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP4A	Z	-4.353	3
39	MP4A	Mx	-.000436	3
40	MP4A	X	-2.513	4.5
41	MP4A	Z	-4.353	4.5
42	MP4A	Mx	-.000436	4.5
43	MP4B	X	-2.171	3
44	MP4B	Z	-3.76	3
45	MP4B	Mx	.001	3
46	MP4B	X	-2.171	4.5
47	MP4B	Z	-3.76	4.5
48	MP4B	Mx	.001	4.5
49	MP4C	X	-1.002	3
50	MP4C	Z	-1.736	3
51	MP4C	Mx	-.001	3
52	MP4C	X	-1.002	4.5
53	MP4C	Z	-1.736	4.5
54	MP4C	Mx	-.001	4.5
55	MP1A	X	-4.519	2.5
56	MP1A	Z	-7.826	2.5
57	MP1A	Mx	-.000784	2.5
58	MP1A	X	-4.519	5
59	MP1A	Z	-7.826	5
60	MP1A	Mx	-.000784	5
61	MP5A	X	-4.519	2.5
62	MP5A	Z	-7.826	2.5
63	MP5A	Mx	-.000784	2.5
64	MP5A	X	-4.519	5
65	MP5A	Z	-7.826	5
66	MP5A	Mx	-.000784	5
67	MP1B	X	-2.261	2.5
68	MP1B	Z	-3.916	2.5
69	MP1B	Mx	.001	2.5
70	MP1B	X	-2.261	5
71	MP1B	Z	-3.916	5
72	MP1B	Mx	.001	5
73	MP1C	X	-1.969	2.5
74	MP1C	Z	-3.41	2.5
75	MP1C	Mx	-.002	2.5
76	MP1C	X	-1.969	5
77	MP1C	Z	-3.41	5
78	MP1C	Mx	-.002	5
79	MP5B	X	-2.261	2.5
80	MP5B	Z	-3.916	2.5
81	MP5B	Mx	.001	2.5
82	MP5B	X	-2.261	5
83	MP5B	Z	-3.916	5
84	MP5B	Mx	.001	5
85	MP5C	X	-1.969	2.5
86	MP5C	Z	-3.41	2.5
87	MP5C	Mx	-.002	2.5
88	MP5C	X	-1.969	5
89	MP5C	Z	-3.41	5
90	MP5C	Mx	-.002	5
91	MP3A	X	-.399	1
92	MP3A	Z	-.692	1
93	MP3A	Mx	7e-5	1
94	MP3B	X	-.372	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP3B	Z	-.644	1
96	MP3B	Mx	-.000186	1
97	MP3C	X	-.279	1
98	MP3C	Z	-.483	1
99	MP3C	Mx	.000279	1
100	MP2A	X	-1.868	3
101	MP2A	Z	-3.236	3
102	MP2A	Mx	-.000934	3
103	MP2B	X	-1.868	3
104	MP2B	Z	-3.236	3
105	MP2B	Mx	-.000934	3
106	MP2C	X	-1.362	3
107	MP2C	Z	-2.359	3
108	MP2C	Mx	.001	3
109	MP3A	X	-2.009	3
110	MP3A	Z	-3.48	3
111	MP3A	Mx	.000349	3
112	MP3B	X	-1.804	3
113	MP3B	Z	-3.124	3
114	MP3B	Mx	-.000902	3
115	MP3C	X	-1.103	3
116	MP3C	Z	-1.91	3
117	MP3C	Mx	.001	3

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73C	Y	-500	%100

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M75C	Y	-500	%100

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	M75	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	0	2
2	MP3A	My	0	2
3	MP3A	Mz	0	2
4	MP3A	Y	0	5.5
5	MP3A	My	0	5.5
6	MP3A	Mz	0	5.5
7	MP3B	Y	0	2
8	MP3B	My	0	2
9	MP3B	Mz	0	2
10	MP3B	Y	0	5.5
11	MP3B	My	0	5.5
12	MP3B	Mz	0	5.5

Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3C	Y	0	2
14	MP3C	My	0	2
15	MP3C	Mz	0	2
16	MP3C	Y	0	5.5
17	MP3C	My	0	5.5
18	MP3C	Mz	0	5.5
19	MP3A	Y	0	2
20	MP3A	My	0	2
21	MP3A	Mz	0	2
22	MP3A	Y	0	5.5
23	MP3A	My	0	5.5
24	MP3A	Mz	0	5.5
25	MP3B	Y	0	2
26	MP3B	My	0	2
27	MP3B	Mz	0	2
28	MP3B	Y	0	5.5
29	MP3B	My	0	5.5
30	MP3B	Mz	0	5.5
31	MP3C	Y	0	2
32	MP3C	My	0	2
33	MP3C	Mz	0	2
34	MP3C	Y	0	5.5
35	MP3C	My	0	5.5
36	MP3C	Mz	0	5.5
37	MP4A	Y	0	3
38	MP4A	My	0	3
39	MP4A	Mz	0	3
40	MP4A	Y	0	4.5
41	MP4A	My	0	4.5
42	MP4A	Mz	0	4.5
43	MP4B	Y	0	3
44	MP4B	My	0	3
45	MP4B	Mz	0	3
46	MP4B	Y	0	4.5
47	MP4B	My	0	4.5
48	MP4B	Mz	0	4.5
49	MP4C	Y	0	3
50	MP4C	My	0	3
51	MP4C	Mz	0	3
52	MP4C	Y	0	4.5
53	MP4C	My	0	4.5
54	MP4C	Mz	0	4.5
55	MP1A	Y	0	2.5
56	MP1A	My	0	2.5
57	MP1A	Mz	0	2.5
58	MP1A	Y	0	5
59	MP1A	My	0	5
60	MP1A	Mz	0	5
61	MP5A	Y	0	2.5
62	MP5A	My	0	2.5
63	MP5A	Mz	0	2.5
64	MP5A	Y	0	5
65	MP5A	My	0	5
66	MP5A	Mz	0	5
67	MP1B	Y	0	2.5
68	MP1B	My	0	2.5
69	MP1B	Mz	0	2.5

Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP1B	Y	0	5
71	MP1B	My	0	5
72	MP1B	Mz	0	5
73	MP1C	Y	0	2.5
74	MP1C	My	0	2.5
75	MP1C	Mz	0	2.5
76	MP1C	Y	0	5
77	MP1C	My	0	5
78	MP1C	Mz	0	5
79	MP5B	Y	0	2.5
80	MP5B	My	0	2.5
81	MP5B	Mz	0	2.5
82	MP5B	Y	0	5
83	MP5B	My	0	5
84	MP5B	Mz	0	5
85	MP5C	Y	0	2.5
86	MP5C	My	0	2.5
87	MP5C	Mz	0	2.5
88	MP5C	Y	0	5
89	MP5C	My	0	5
90	MP5C	Mz	0	5
91	MP3A	Y	0	1
92	MP3A	My	0	1
93	MP3A	Mz	0	1
94	MP3B	Y	0	1
95	MP3B	My	0	1
96	MP3B	Mz	0	1
97	MP3C	Y	0	1
98	MP3C	My	0	1
99	MP3C	Mz	0	1
100	MP2A	Y	0	3
101	MP2A	My	0	3
102	MP2A	Mz	0	3
103	MP2B	Y	0	3
104	MP2B	My	0	3
105	MP2B	Mz	0	3
106	MP2C	Y	0	3
107	MP2C	My	0	3
108	MP2C	Mz	0	3
109	MP3A	Y	0	3
110	MP3A	My	0	3
111	MP3A	Mz	0	3
112	MP3B	Y	0	3
113	MP3B	My	0	3
114	MP3B	Mz	0	3
115	MP3C	Y	0	3
116	MP3C	My	0	3
117	MP3C	Mz	0	3

Member Point Loads (BLC 82 : Antenna Eh (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Z	-.95	2
2	MP3A	Mx	-.00076	2
3	MP3A	Z	-.95	5.5
4	MP3A	Mx	-.00076	5.5
5	MP3B	Z	-.95	2

Member Point Loads (BLC 82 : Antenna Eh (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3B	Mx	.000708	2
7	MP3B	Z	-.95	5.5
8	MP3B	Mx	.000708	5.5
9	MP3C	Z	-.95	2
10	MP3C	Mx	-.000114	2
11	MP3C	Z	-.95	5.5
12	MP3C	Mx	-.000114	5.5
13	MP3A	Z	-.95	2
14	MP3A	Mx	.000149	2
15	MP3A	Z	-.95	5.5
16	MP3A	Mx	.000149	5.5
17	MP3B	Z	-.95	2
18	MP3B	Mx	.000114	2
19	MP3B	Z	-.95	5.5
20	MP3B	Mx	.000114	5.5
21	MP3C	Z	-.95	2
22	MP3C	Mx	-.000708	2
23	MP3C	Z	-.95	5.5
24	MP3C	Mx	-.000708	5.5
25	MP4A	Z	-1.306	3
26	MP4A	Mx	-.00042	3
27	MP4A	Z	-1.306	4.5
28	MP4A	Mx	-.00042	4.5
29	MP4B	Z	-1.306	3
30	MP4B	Mx	.000566	3
31	MP4B	Z	-1.306	4.5
32	MP4B	Mx	.000566	4.5
33	MP4C	Z	-1.306	3
34	MP4C	Mx	-.000566	3
35	MP4C	Z	-1.306	4.5
36	MP4C	Mx	-.000566	4.5
37	MP1A	Z	-.345	2.5
38	MP1A	Mx	-.000111	2.5
39	MP1A	Z	-.345	5
40	MP1A	Mx	-.000111	5
41	MP5A	Z	-.345	2.5
42	MP5A	Mx	-.000111	2.5
43	MP5A	Z	-.345	5
44	MP5A	Mx	-.000111	5
45	MP1B	Z	-.18	2.5
46	MP1B	Mx	7.8e-5	2.5
47	MP1B	Z	-.18	5
48	MP1B	Mx	7.8e-5	5
49	MP1C	Z	-.18	2.5
50	MP1C	Mx	-7.8e-5	2.5
51	MP1C	Z	-.18	5
52	MP1C	Mx	-7.8e-5	5
53	MP5B	Z	-.18	2.5
54	MP5B	Mx	7.8e-5	2.5
55	MP5B	Z	-.18	5
56	MP5B	Mx	7.8e-5	5
57	MP5C	Z	-.18	2.5
58	MP5C	Mx	-7.8e-5	2.5
59	MP5C	Z	-.18	5
60	MP5C	Mx	-7.8e-5	5
61	MP3A	Z	-.312	1
62	MP3A	Mx	.0001	1

Member Point Loads (BLC 82 : Antenna Eh (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP3B	Z	-.312	1
64	MP3B	Mx	-.000135	1
65	MP3C	Z	-.312	1
66	MP3C	Mx	.000135	1
67	MP2A	Z	-2.532	3
68	MP2A	Mx	0	3
69	MP2B	Z	-2.532	3
70	MP2B	Mx	-.001	3
71	MP2C	Z	-2.532	3
72	MP2C	Mx	.001	3
73	MP3A	Z	-2.109	3
74	MP3A	Mx	.000678	3
75	MP3B	Z	-2.109	3
76	MP3B	Mx	-.000913	3
77	MP3C	Z	-2.109	3
78	MP3C	Mx	.000913	3

Member Point Loads (BLC 83 : Antenna Eh (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.95	2
2	MP3A	Mx	1.8e-5	2
3	MP3A	X	.95	5.5
4	MP3A	Mx	1.8e-5	5.5
5	MP3B	X	.95	2
6	MP3B	Mx	-.000277	2
7	MP3B	X	.95	5.5
8	MP3B	Mx	-.000277	5.5
9	MP3C	X	.95	2
10	MP3C	Mx	.000751	2
11	MP3C	X	.95	5.5
12	MP3C	Mx	.000751	5.5
13	MP3A	X	.95	2
14	MP3A	Mx	-.000745	2
15	MP3A	X	.95	5.5
16	MP3A	Mx	-.000745	5.5
17	MP3B	X	.95	2
18	MP3B	Mx	.000751	2
19	MP3B	X	.95	5.5
20	MP3B	Mx	.000751	5.5
21	MP3C	X	.95	2
22	MP3C	Mx	-.000277	2
23	MP3C	X	.95	5.5
24	MP3C	Mx	-.000277	5.5
25	MP4A	X	1.306	3
26	MP4A	Mx	-.0005	3
27	MP4A	X	1.306	4.5
28	MP4A	Mx	-.0005	4.5
29	MP4B	X	1.306	3
30	MP4B	Mx	.000327	3
31	MP4B	X	1.306	4.5
32	MP4B	Mx	.000327	4.5
33	MP4C	X	1.306	3
34	MP4C	Mx	.000327	3
35	MP4C	X	1.306	4.5
36	MP4C	Mx	.000327	4.5
37	MP1A	X	.345	2.5

Member Point Loads (BLC 83 : Antenna Eh (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP1A	Mx	-.000132	2.5
39	MP1A	X	.345	5
40	MP1A	Mx	-.000132	5
41	MP5A	X	.345	2.5
42	MP5A	Mx	-.000132	2.5
43	MP5A	X	.345	5
44	MP5A	Mx	-.000132	5
45	MP1B	X	.18	2.5
46	MP1B	Mx	4.5e-5	2.5
47	MP1B	X	.18	5
48	MP1B	Mx	4.5e-5	5
49	MP1C	X	.18	2.5
50	MP1C	Mx	4.5e-5	2.5
51	MP1C	X	.18	5
52	MP1C	Mx	4.5e-5	5
53	MP5B	X	.18	2.5
54	MP5B	Mx	4.5e-5	2.5
55	MP5B	X	.18	5
56	MP5B	Mx	4.5e-5	5
57	MP5C	X	.18	2.5
58	MP5C	Mx	4.5e-5	2.5
59	MP5C	X	.18	5
60	MP5C	Mx	4.5e-5	5
61	MP3A	X	.312	1
62	MP3A	Mx	.00012	1
63	MP3B	X	.312	1
64	MP3B	Mx	-7.8e-5	1
65	MP3C	X	.312	1
66	MP3C	Mx	-7.8e-5	1
67	MP2A	X	2.532	3
68	MP2A	Mx	.001	3
69	MP2B	X	2.532	3
70	MP2B	Mx	-.000633	3
71	MP2C	X	2.532	3
72	MP2C	Mx	-.000633	3
73	MP3A	X	2.109	3
74	MP3A	Mx	.000808	3
75	MP3B	X	2.109	3
76	MP3B	Mx	-.000527	3
77	MP3C	X	2.109	3
78	MP3C	Mx	-.000527	3

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	-9.216	-9.216	0	%100
2	MP1A	Y	-5.05	-5.05	0	%100
3	M28	Y	-9.216	-9.216	0	%100
4	M31	Y	-9.216	-9.216	0	%100
5	M34	Y	-9.216	-9.216	0	%100
6	M49	Y	-15.938	-15.938	0	%100
7	M52	Y	-15.938	-15.938	0	%100
8	M75	Y	-9.216	-9.216	0	%100
9	M78	Y	-9.216	-9.216	0	%100
10	M77A	Y	-7.712	-7.712	0	%100
11	M66	Y	-7.712	-7.712	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,%]
12	M67	Y	-7.712	-7.712	0	%100
13	M73	Y	-9.216	-9.216	0	%100
14	M74	Y	-9.216	-9.216	0	%100
15	M75B	Y	-5.696	-5.696	0	%100
16	M76	Y	-5.696	-5.696	0	%100
17	M77	Y	-2.733	-2.733	0	%100
18	M78B	Y	-2.733	-2.733	0	%100
19	M79	Y	-2.733	-2.733	0	%100
20	M80	Y	-2.733	-2.733	0	%100
21	M81A	Y	-2.733	-2.733	0	%100
22	M82A	Y	-2.733	-2.733	0	%100
23	M83	Y	-2.733	-2.733	0	%100
24	M59	Y	-9.216	-9.216	0	%100
25	M63A	Y	-9.216	-9.216	0	%100
26	M64A	Y	-9.216	-9.216	0	%100
27	M68	Y	-9.216	-9.216	0	%100
28	M67A	Y	-9.216	-9.216	0	%100
29	M68A	Y	-9.216	-9.216	0	%100
30	M63B	Y	-15.938	-15.938	0	%100
31	M66B	Y	-15.938	-15.938	0	%100
32	M69	Y	-15.938	-15.938	0	%100
33	M72	Y	-15.938	-15.938	0	%100
34	MP2A	Y	-5.05	-5.05	0	%100
35	MP3A	Y	-5.762	-5.762	0	%100
36	MP4A	Y	-5.05	-5.05	0	%100
37	MP5A	Y	-5.05	-5.05	0	%100
38	MP1C	Y	-5.05	-5.05	0	%100
39	MP2C	Y	-5.05	-5.05	0	%100
40	MP3C	Y	-5.762	-5.762	0	%100
41	MP5C	Y	-5.05	-5.05	0	%100
42	MP1B	Y	-5.05	-5.05	0	%100
43	MP2B	Y	-5.05	-5.05	0	%100
44	MP3B	Y	-5.762	-5.762	0	%100
45	MP5B	Y	-5.05	-5.05	0	%100
46	MP4C	Y	-5.05	-5.05	0	%100
47	MP4B	Y	-5.05	-5.05	0	%100
48	M104	Y	-5.762	-5.762	0	%100
49	M105	Y	-5.762	-5.762	0	%100
50	M106	Y	-5.762	-5.762	0	%100
51	M113	Y	-7.712	-7.712	0	%100
52	M114	Y	-7.712	-7.712	0	%100
53	M115	Y	-7.712	-7.712	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	-22.706	-22.706	0	%100
3	MP1A	X	0	0	0	%100
4	MP1A	Z	-8.006	-8.006	0	%100
5	M28	X	0	0	0	%100
6	M28	Z	-22.224	-22.224	0	%100
7	M31	X	0	0	0	%100
8	M31	Z	-5.556	-5.556	0	%100
9	M34	X	0	0	0	%100
10	M34	Z	-5.556	-5.556	0	%100
11	M49	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,%]
12	M49	Z	-.421	-.421	0	%100
13	M52	X	0	0	0	%100
14	M52	Z	-.421	-.421	0	%100
15	M75	X	0	0	0	%100
16	M75	Z	-17.166	-17.166	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	-22.706	-22.706	0	%100
19	M77A	X	0	0	0	%100
20	M77A	Z	0	0	0	%100
21	M66	X	0	0	0	%100
22	M66	Z	-5.688	-5.688	0	%100
23	M67	X	0	0	0	%100
24	M67	Z	-5.688	-5.688	0	%100
25	M73	X	0	0	0	%100
26	M73	Z	-5.001	-5.001	0	%100
27	M74	X	0	0	0	%100
28	M74	Z	-13.717	-13.717	0	%100
29	M75B	X	0	0	0	%100
30	M75B	Z	-11.236	-11.236	0	%100
31	M76	X	0	0	0	%100
32	M76	Z	-11.236	-11.236	0	%100
33	M77	X	0	0	0	%100
34	M77	Z	-1.674	-1.674	0	%100
35	M78B	X	0	0	0	%100
36	M78B	Z	-1.674	-1.674	0	%100
37	M79	X	0	0	0	%100
38	M79	Z	-1.674	-1.674	0	%100
39	M80	X	0	0	0	%100
40	M80	Z	-1.674	-1.674	0	%100
41	M81A	X	0	0	0	%100
42	M81A	Z	-1.674	-1.674	0	%100
43	M82A	X	0	0	0	%100
44	M82A	Z	-1.674	-1.674	0	%100
45	M83	X	0	0	0	%100
46	M83	Z	-1.674	-1.674	0	%100
47	M59	X	0	0	0	%100
48	M59	Z	-5.669	-5.669	0	%100
49	M63A	X	0	0	0	%100
50	M63A	Z	-5.677	-5.677	0	%100
51	M64A	X	0	0	0	%100
52	M64A	Z	-5.685	-5.685	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-5.669	-5.669	0	%100
55	M67A	X	0	0	0	%100
56	M67A	Z	-4.292	-4.292	0	%100
57	M68A	X	0	0	0	%100
58	M68A	Z	-4.292	-4.292	0	%100
59	M63B	X	0	0	0	%100
60	M63B	Z	-1.685	-1.685	0	%100
61	M66B	X	0	0	0	%100
62	M66B	Z	-1.685	-1.685	0	%100
63	M69	X	0	0	0	%100
64	M69	Z	-.421	-.421	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	-.421	-.421	0	%100
67	MP2A	X	0	0	0	%100
68	MP2A	Z	-8.006	-8.006	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,%]
69	MP3A	X	0	0	0	%100
70	MP3A	Z	-9.691	-9.691	0	%100
71	MP4A	X	0	0	0	%100
72	MP4A	Z	-8.006	-8.006	0	%100
73	MP5A	X	0	0	0	%100
74	MP5A	Z	-8.006	-8.006	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-8.006	-8.006	0	%100
77	MP2C	X	0	0	0	%100
78	MP2C	Z	-8.006	-8.006	0	%100
79	MP3C	X	0	0	0	%100
80	MP3C	Z	-9.691	-9.691	0	%100
81	MP5C	X	0	0	0	%100
82	MP5C	Z	-8.006	-8.006	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	-8.006	-8.006	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	-8.006	-8.006	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	-9.691	-9.691	0	%100
89	MP5B	X	0	0	0	%100
90	MP5B	Z	-8.006	-8.006	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-8.006	-8.006	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	-8.006	-8.006	0	%100
95	M104	X	0	0	0	%100
96	M104	Z	-9.691	-9.691	0	%100
97	M105	X	0	0	0	%100
98	M105	Z	-2.423	-2.423	0	%100
99	M106	X	0	0	0	%100
100	M106	Z	-2.423	-2.423	0	%100
101	M113	X	0	0	0	%100
102	M113	Z	-2.823	-2.823	0	%100
103	M114	X	0	0	0	%100
104	M114	Z	-11.29	-11.29	0	%100
105	M115	X	0	0	0	%100
106	M115	Z	-2.823	-2.823	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	8.515	8.515	0	%100
2	M1	Z	-14.748	-14.748	0	%100
3	MP1A	X	4.003	4.003	0	%100
4	MP1A	Z	-6.933	-6.933	0	%100
5	M28	X	8.334	8.334	0	%100
6	M28	Z	-14.435	-14.435	0	%100
7	M31	X	8.334	8.334	0	%100
8	M31	Z	-14.435	-14.435	0	%100
9	M34	X	0	0	0	%100
10	M34	Z	0	0	0	%100
11	M49	X	0	0	0	%100
12	M49	Z	0	0	0	%100
13	M52	X	0	0	0	%100
14	M52	Z	0	0	0	%100
15	M75	X	6.437	6.437	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,%]
16	M75	Z	-11.15	-11.15	0	%100
17	M78	X	8.515	8.515	0	%100
18	M78	Z	-14.748	-14.748	0	%100
19	M77A	X	.948	.948	0	%100
20	M77A	Z	-1.642	-1.642	0	%100
21	M66	X	.948	.948	0	%100
22	M66	Z	-1.642	-1.642	0	%100
23	M67	X	3.792	3.792	0	%100
24	M67	Z	-6.568	-6.568	0	%100
25	M73	X	0	0	0	%100
26	M73	Z	0	0	0	%100
27	M74	X	9.145	9.145	0	%100
28	M74	Z	-15.84	-15.84	0	%100
29	M75B	X	5.618	5.618	0	%100
30	M75B	Z	-9.731	-9.731	0	%100
31	M76	X	5.618	5.618	0	%100
32	M76	Z	-9.731	-9.731	0	%100
33	M77	X	1.116	1.116	0	%100
34	M77	Z	-1.933	-1.933	0	%100
35	M78B	X	1.116	1.116	0	%100
36	M78B	Z	-1.933	-1.933	0	%100
37	M79	X	1.116	1.116	0	%100
38	M79	Z	-1.933	-1.933	0	%100
39	M80	X	1.116	1.116	0	%100
40	M80	Z	-1.933	-1.933	0	%100
41	M81A	X	1.116	1.116	0	%100
42	M81A	Z	-1.933	-1.933	0	%100
43	M82A	X	1.116	1.116	0	%100
44	M82A	Z	-1.933	-1.933	0	%100
45	M83	X	1.116	1.116	0	%100
46	M83	Z	-1.933	-1.933	0	%100
47	M59	X	8.512	8.512	0	%100
48	M59	Z	-14.742	-14.742	0	%100
49	M63A	X	8.515	8.515	0	%100
50	M63A	Z	-14.748	-14.748	0	%100
51	M64A	X	2e-6	2e-6	0	%100
52	M64A	Z	-3e-6	-3e-6	0	%100
53	M68	X	2e-6	2e-6	0	%100
54	M68	Z	-3e-6	-3e-6	0	%100
55	M67A	X	6.437	6.437	0	%100
56	M67A	Z	-11.15	-11.15	0	%100
57	M68A	X	0	0	0	%100
58	M68A	Z	0	0	0	%100
59	M63B	X	.632	.632	0	%100
60	M63B	Z	-1.095	-1.095	0	%100
61	M66B	X	.632	.632	0	%100
62	M66B	Z	-1.095	-1.095	0	%100
63	M69	X	.632	.632	0	%100
64	M69	Z	-1.095	-1.095	0	%100
65	M72	X	.632	.632	0	%100
66	M72	Z	-1.095	-1.095	0	%100
67	MP2A	X	4.003	4.003	0	%100
68	MP2A	Z	-6.933	-6.933	0	%100
69	MP3A	X	4.846	4.846	0	%100
70	MP3A	Z	-8.393	-8.393	0	%100
71	MP4A	X	4.003	4.003	0	%100
72	MP4A	Z	-6.933	-6.933	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,%]
73	MP5A	X	4.003	4.003	0	%100
74	MP5A	Z	-6.933	-6.933	0	%100
75	MP1C	X	4.003	4.003	0	%100
76	MP1C	Z	-6.933	-6.933	0	%100
77	MP2C	X	4.003	4.003	0	%100
78	MP2C	Z	-6.933	-6.933	0	%100
79	MP3C	X	4.846	4.846	0	%100
80	MP3C	Z	-8.393	-8.393	0	%100
81	MP5C	X	4.003	4.003	0	%100
82	MP5C	Z	-6.933	-6.933	0	%100
83	MP1B	X	4.003	4.003	0	%100
84	MP1B	Z	-6.933	-6.933	0	%100
85	MP2B	X	4.003	4.003	0	%100
86	MP2B	Z	-6.933	-6.933	0	%100
87	MP3B	X	4.846	4.846	0	%100
88	MP3B	Z	-8.393	-8.393	0	%100
89	MP5B	X	4.003	4.003	0	%100
90	MP5B	Z	-6.933	-6.933	0	%100
91	MP4C	X	4.003	4.003	0	%100
92	MP4C	Z	-6.933	-6.933	0	%100
93	MP4B	X	4.003	4.003	0	%100
94	MP4B	Z	-6.933	-6.933	0	%100
95	M104	X	3.634	3.634	0	%100
96	M104	Z	-6.295	-6.295	0	%100
97	M105	X	3.634	3.634	0	%100
98	M105	Z	-6.295	-6.295	0	%100
99	M106	X	0	0	0	%100
100	M106	Z	0	0	0	%100
101	M113	X	0	0	0	%100
102	M113	Z	0	0	0	%100
103	M114	X	4.234	4.234	0	%100
104	M114	Z	-7.333	-7.333	0	%100
105	M115	X	4.234	4.234	0	%100
106	M115	Z	-7.333	-7.333	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	4.916	4.916	0	%100
2	M1	Z	-2.838	-2.838	0	%100
3	MP1A	X	6.933	6.933	0	%100
4	MP1A	Z	-4.003	-4.003	0	%100
5	M28	X	4.812	4.812	0	%100
6	M28	Z	-2.778	-2.778	0	%100
7	M31	X	19.247	19.247	0	%100
8	M31	Z	-11.112	-11.112	0	%100
9	M34	X	4.812	4.812	0	%100
10	M34	Z	-2.778	-2.778	0	%100
11	M49	X	.365	.365	0	%100
12	M49	Z	-.211	-.211	0	%100
13	M52	X	.365	.365	0	%100
14	M52	Z	-.211	-.211	0	%100
15	M75	X	3.717	3.717	0	%100
16	M75	Z	-2.146	-2.146	0	%100
17	M78	X	4.916	4.916	0	%100
18	M78	Z	-2.838	-2.838	0	%100
19	M77A	X	4.926	4.926	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,%]
20	M77A	Z	-2.844	-2.844	0	%100
21	M66	X	0	0	0	%100
22	M66	Z	0	0	0	%100
23	M67	X	4.926	4.926	0	%100
24	M67	Z	-2.844	-2.844	0	%100
25	M73	X	4.331	4.331	0	%100
26	M73	Z	-2.5	-2.5	0	%100
27	M74	X	11.88	11.88	0	%100
28	M74	Z	-6.859	-6.859	0	%100
29	M75B	X	9.731	9.731	0	%100
30	M75B	Z	-5.618	-5.618	0	%100
31	M76	X	9.731	9.731	0	%100
32	M76	Z	-5.618	-5.618	0	%100
33	M77	X	1.449	1.449	0	%100
34	M77	Z	-.837	-.837	0	%100
35	M78B	X	1.449	1.449	0	%100
36	M78B	Z	-.837	-.837	0	%100
37	M79	X	1.449	1.449	0	%100
38	M79	Z	-.837	-.837	0	%100
39	M80	X	1.449	1.449	0	%100
40	M80	Z	-.837	-.837	0	%100
41	M81A	X	1.449	1.449	0	%100
42	M81A	Z	-.837	-.837	0	%100
43	M82A	X	1.449	1.449	0	%100
44	M82A	Z	-.837	-.837	0	%100
45	M83	X	1.449	1.449	0	%100
46	M83	Z	-.837	-.837	0	%100
47	M59	X	19.666	19.666	0	%100
48	M59	Z	-11.354	-11.354	0	%100
49	M63A	X	19.664	19.664	0	%100
50	M63A	Z	-11.353	-11.353	0	%100
51	M64A	X	4.91	4.91	0	%100
52	M64A	Z	-2.835	-2.835	0	%100
53	M68	X	4.923	4.923	0	%100
54	M68	Z	-2.842	-2.842	0	%100
55	M67A	X	14.866	14.866	0	%100
56	M67A	Z	-8.583	-8.583	0	%100
57	M68A	X	3.717	3.717	0	%100
58	M68A	Z	-2.146	-2.146	0	%100
59	M63B	X	.365	.365	0	%100
60	M63B	Z	-.211	-.211	0	%100
61	M66B	X	.365	.365	0	%100
62	M66B	Z	-.211	-.211	0	%100
63	M69	X	1.46	1.46	0	%100
64	M69	Z	-.843	-.843	0	%100
65	M72	X	1.46	1.46	0	%100
66	M72	Z	-.843	-.843	0	%100
67	MP2A	X	6.933	6.933	0	%100
68	MP2A	Z	-4.003	-4.003	0	%100
69	MP3A	X	8.393	8.393	0	%100
70	MP3A	Z	-4.846	-4.846	0	%100
71	MP4A	X	6.933	6.933	0	%100
72	MP4A	Z	-4.003	-4.003	0	%100
73	MP5A	X	6.933	6.933	0	%100
74	MP5A	Z	-4.003	-4.003	0	%100
75	MP1C	X	6.933	6.933	0	%100
76	MP1C	Z	-4.003	-4.003	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,%]
77	MP2C	X	6.933	6.933	0	%100
78	MP2C	Z	-4.003	-4.003	0	%100
79	MP3C	X	8.393	8.393	0	%100
80	MP3C	Z	-4.846	-4.846	0	%100
81	MP5C	X	6.933	6.933	0	%100
82	MP5C	Z	-4.003	-4.003	0	%100
83	MP1B	X	6.933	6.933	0	%100
84	MP1B	Z	-4.003	-4.003	0	%100
85	MP2B	X	6.933	6.933	0	%100
86	MP2B	Z	-4.003	-4.003	0	%100
87	MP3B	X	8.393	8.393	0	%100
88	MP3B	Z	-4.846	-4.846	0	%100
89	MP5B	X	6.933	6.933	0	%100
90	MP5B	Z	-4.003	-4.003	0	%100
91	MP4C	X	6.933	6.933	0	%100
92	MP4C	Z	-4.003	-4.003	0	%100
93	MP4B	X	6.933	6.933	0	%100
94	MP4B	Z	-4.003	-4.003	0	%100
95	M104	X	2.098	2.098	0	%100
96	M104	Z	-1.211	-1.211	0	%100
97	M105	X	8.393	8.393	0	%100
98	M105	Z	-4.846	-4.846	0	%100
99	M106	X	2.098	2.098	0	%100
100	M106	Z	-1.211	-1.211	0	%100
101	M113	X	2.444	2.444	0	%100
102	M113	Z	-1.411	-1.411	0	%100
103	M114	X	2.444	2.444	0	%100
104	M114	Z	-1.411	-1.411	0	%100
105	M115	X	9.778	9.778	0	%100
106	M115	Z	-5.645	-5.645	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	MP1A	X	8.006	8.006	0	%100
4	MP1A	Z	0	0	0	%100
5	M28	X	0	0	0	%100
6	M28	Z	0	0	0	%100
7	M31	X	16.668	16.668	0	%100
8	M31	Z	0	0	0	%100
9	M34	X	16.668	16.668	0	%100
10	M34	Z	0	0	0	%100
11	M49	X	1.264	1.264	0	%100
12	M49	Z	0	0	0	%100
13	M52	X	1.264	1.264	0	%100
14	M52	Z	0	0	0	%100
15	M75	X	0	0	0	%100
16	M75	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	M77A	X	7.584	7.584	0	%100
20	M77A	Z	0	0	0	%100
21	M66	X	1.896	1.896	0	%100
22	M66	Z	0	0	0	%100
23	M67	X	1.896	1.896	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,%]
24	M67	Z	0	0	0	%100
25	M73	X	15.002	15.002	0	%100
26	M73	Z	0	0	0	%100
27	M74	X	4.572	4.572	0	%100
28	M74	Z	0	0	0	%100
29	M75B	X	11.236	11.236	0	%100
30	M75B	Z	0	0	0	%100
31	M76	X	11.236	11.236	0	%100
32	M76	Z	0	0	0	%100
33	M77	X	.558	.558	0	%100
34	M77	Z	0	0	0	%100
35	M78B	X	.558	.558	0	%100
36	M78B	Z	0	0	0	%100
37	M79	X	.558	.558	0	%100
38	M79	Z	0	0	0	%100
39	M80	X	.558	.558	0	%100
40	M80	Z	0	0	0	%100
41	M81A	X	.558	.558	0	%100
42	M81A	Z	0	0	0	%100
43	M82A	X	.558	.558	0	%100
44	M82A	Z	0	0	0	%100
45	M83	X	.558	.558	0	%100
46	M83	Z	0	0	0	%100
47	M59	X	17.039	17.039	0	%100
48	M59	Z	0	0	0	%100
49	M63A	X	17.03	17.03	0	%100
50	M63A	Z	0	0	0	%100
51	M64A	X	17.023	17.023	0	%100
52	M64A	Z	0	0	0	%100
53	M68	X	17.039	17.039	0	%100
54	M68	Z	0	0	0	%100
55	M67A	X	12.875	12.875	0	%100
56	M67A	Z	0	0	0	%100
57	M68A	X	12.875	12.875	0	%100
58	M68A	Z	0	0	0	%100
59	M63B	X	0	0	0	%100
60	M63B	Z	0	0	0	%100
61	M66B	X	0	0	0	%100
62	M66B	Z	0	0	0	%100
63	M69	X	1.264	1.264	0	%100
64	M69	Z	0	0	0	%100
65	M72	X	1.264	1.264	0	%100
66	M72	Z	0	0	0	%100
67	MP2A	X	8.006	8.006	0	%100
68	MP2A	Z	0	0	0	%100
69	MP3A	X	9.691	9.691	0	%100
70	MP3A	Z	0	0	0	%100
71	MP4A	X	8.006	8.006	0	%100
72	MP4A	Z	0	0	0	%100
73	MP5A	X	8.006	8.006	0	%100
74	MP5A	Z	0	0	0	%100
75	MP1C	X	8.006	8.006	0	%100
76	MP1C	Z	0	0	0	%100
77	MP2C	X	8.006	8.006	0	%100
78	MP2C	Z	0	0	0	%100
79	MP3C	X	9.691	9.691	0	%100
80	MP3C	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,%]
81	MP5C	X	8.006	8.006	0	%100
82	MP5C	Z	0	0	0	%100
83	MP1B	X	8.006	8.006	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	8.006	8.006	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	9.691	9.691	0	%100
88	MP3B	Z	0	0	0	%100
89	MP5B	X	8.006	8.006	0	%100
90	MP5B	Z	0	0	0	%100
91	MP4C	X	8.006	8.006	0	%100
92	MP4C	Z	0	0	0	%100
93	MP4B	X	8.006	8.006	0	%100
94	MP4B	Z	0	0	0	%100
95	M104	X	0	0	0	%100
96	M104	Z	0	0	0	%100
97	M105	X	7.268	7.268	0	%100
98	M105	Z	0	0	0	%100
99	M106	X	7.268	7.268	0	%100
100	M106	Z	0	0	0	%100
101	M113	X	8.468	8.468	0	%100
102	M113	Z	0	0	0	%100
103	M114	X	0	0	0	%100
104	M114	Z	0	0	0	%100
105	M115	X	8.468	8.468	0	%100
106	M115	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	4.916	4.916	0	%100
2	M1	Z	2.838	2.838	0	%100
3	MP1A	X	6.933	6.933	0	%100
4	MP1A	Z	4.003	4.003	0	%100
5	M28	X	4.812	4.812	0	%100
6	M28	Z	2.778	2.778	0	%100
7	M31	X	4.812	4.812	0	%100
8	M31	Z	2.778	2.778	0	%100
9	M34	X	19.247	19.247	0	%100
10	M34	Z	11.112	11.112	0	%100
11	M49	X	1.46	1.46	0	%100
12	M49	Z	.843	.843	0	%100
13	M52	X	1.46	1.46	0	%100
14	M52	Z	.843	.843	0	%100
15	M75	X	3.717	3.717	0	%100
16	M75	Z	2.146	2.146	0	%100
17	M78	X	4.916	4.916	0	%100
18	M78	Z	2.838	2.838	0	%100
19	M77A	X	4.926	4.926	0	%100
20	M77A	Z	2.844	2.844	0	%100
21	M66	X	4.926	4.926	0	%100
22	M66	Z	2.844	2.844	0	%100
23	M67	X	0	0	0	%100
24	M67	Z	0	0	0	%100
25	M73	X	17.323	17.323	0	%100
26	M73	Z	10.001	10.001	0	%100
27	M74	X	0	0	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,%]
28	M74	Z	0	0	0	%100
29	M75B	X	9.731	9.731	0	%100
30	M75B	Z	5.618	5.618	0	%100
31	M76	X	9.731	9.731	0	%100
32	M76	Z	5.618	5.618	0	%100
33	M77	X	0	0	0	%100
34	M77	Z	0	0	0	%100
35	M78B	X	0	0	0	%100
36	M78B	Z	0	0	0	%100
37	M79	X	0	0	0	%100
38	M79	Z	0	0	0	%100
39	M80	X	0	0	0	%100
40	M80	Z	0	0	0	%100
41	M81A	X	0	0	0	%100
42	M81A	Z	0	0	0	%100
43	M82A	X	0	0	0	%100
44	M82A	Z	0	0	0	%100
45	M83	X	0	0	0	%100
46	M83	Z	0	0	0	%100
47	M59	X	4.923	4.923	0	%100
48	M59	Z	2.842	2.842	0	%100
49	M63A	X	4.916	4.916	0	%100
50	M63A	Z	2.838	2.838	0	%100
51	M64A	X	19.666	19.666	0	%100
52	M64A	Z	11.354	11.354	0	%100
53	M68	X	19.666	19.666	0	%100
54	M68	Z	11.354	11.354	0	%100
55	M67A	X	3.717	3.717	0	%100
56	M67A	Z	2.146	2.146	0	%100
57	M68A	X	14.866	14.866	0	%100
58	M68A	Z	8.583	8.583	0	%100
59	M63B	X	.365	.365	0	%100
60	M63B	Z	.211	.211	0	%100
61	M66B	X	.365	.365	0	%100
62	M66B	Z	.211	.211	0	%100
63	M69	X	.365	.365	0	%100
64	M69	Z	.211	.211	0	%100
65	M72	X	.365	.365	0	%100
66	M72	Z	.211	.211	0	%100
67	MP2A	X	6.933	6.933	0	%100
68	MP2A	Z	4.003	4.003	0	%100
69	MP3A	X	8.393	8.393	0	%100
70	MP3A	Z	4.846	4.846	0	%100
71	MP4A	X	6.933	6.933	0	%100
72	MP4A	Z	4.003	4.003	0	%100
73	MP5A	X	6.933	6.933	0	%100
74	MP5A	Z	4.003	4.003	0	%100
75	MP1C	X	6.933	6.933	0	%100
76	MP1C	Z	4.003	4.003	0	%100
77	MP2C	X	6.933	6.933	0	%100
78	MP2C	Z	4.003	4.003	0	%100
79	MP3C	X	8.393	8.393	0	%100
80	MP3C	Z	4.846	4.846	0	%100
81	MP5C	X	6.933	6.933	0	%100
82	MP5C	Z	4.003	4.003	0	%100
83	MP1B	X	6.933	6.933	0	%100
84	MP1B	Z	4.003	4.003	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,%]
85	MP2B	X	6.933	6.933	0	%100
86	MP2B	Z	4.003	4.003	0	%100
87	MP3B	X	8.393	8.393	0	%100
88	MP3B	Z	4.846	4.846	0	%100
89	MP5B	X	6.933	6.933	0	%100
90	MP5B	Z	4.003	4.003	0	%100
91	MP4C	X	6.933	6.933	0	%100
92	MP4C	Z	4.003	4.003	0	%100
93	MP4B	X	6.933	6.933	0	%100
94	MP4B	Z	4.003	4.003	0	%100
95	M104	X	2.098	2.098	0	%100
96	M104	Z	1.211	1.211	0	%100
97	M105	X	2.098	2.098	0	%100
98	M105	Z	1.211	1.211	0	%100
99	M106	X	8.393	8.393	0	%100
100	M106	Z	4.846	4.846	0	%100
101	M113	X	9.778	9.778	0	%100
102	M113	Z	5.645	5.645	0	%100
103	M114	X	2.444	2.444	0	%100
104	M114	Z	1.411	1.411	0	%100
105	M115	X	2.444	2.444	0	%100
106	M115	Z	1.411	1.411	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	8.515	8.515	0	%100
2	M1	Z	14.748	14.748	0	%100
3	MP1A	X	4.003	4.003	0	%100
4	MP1A	Z	6.933	6.933	0	%100
5	M28	X	8.334	8.334	0	%100
6	M28	Z	14.435	14.435	0	%100
7	M31	X	0	0	0	%100
8	M31	Z	0	0	0	%100
9	M34	X	8.334	8.334	0	%100
10	M34	Z	14.435	14.435	0	%100
11	M49	X	.632	.632	0	%100
12	M49	Z	1.095	1.095	0	%100
13	M52	X	.632	.632	0	%100
14	M52	Z	1.095	1.095	0	%100
15	M75	X	6.437	6.437	0	%100
16	M75	Z	11.15	11.15	0	%100
17	M78	X	8.515	8.515	0	%100
18	M78	Z	14.748	14.748	0	%100
19	M77A	X	.948	.948	0	%100
20	M77A	Z	1.642	1.642	0	%100
21	M66	X	3.792	3.792	0	%100
22	M66	Z	6.568	6.568	0	%100
23	M67	X	.948	.948	0	%100
24	M67	Z	1.642	1.642	0	%100
25	M73	X	7.501	7.501	0	%100
26	M73	Z	12.992	12.992	0	%100
27	M74	X	2.286	2.286	0	%100
28	M74	Z	3.96	3.96	0	%100
29	M75B	X	5.618	5.618	0	%100
30	M75B	Z	9.731	9.731	0	%100
31	M76	X	5.618	5.618	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,%]
32	M76	Z	9.731	9.731	0	%100
33	M77	X	.279	.279	0	%100
34	M77	Z	.483	.483	0	%100
35	M78B	X	.279	.279	0	%100
36	M78B	Z	.483	.483	0	%100
37	M79	X	.279	.279	0	%100
38	M79	Z	.483	.483	0	%100
39	M80	X	.279	.279	0	%100
40	M80	Z	.483	.483	0	%100
41	M81A	X	.279	.279	0	%100
42	M81A	Z	.483	.483	0	%100
43	M82A	X	.279	.279	0	%100
44	M82A	Z	.483	.483	0	%100
45	M83	X	.279	.279	0	%100
46	M83	Z	.483	.483	0	%100
47	M59	X	2e-6	2e-6	0	%100
48	M59	Z	3e-6	3e-6	0	%100
49	M63A	X	0	0	0	%100
50	M63A	Z	0	0	0	%100
51	M64A	X	8.519	8.519	0	%100
52	M64A	Z	14.756	14.756	0	%100
53	M68	X	8.512	8.512	0	%100
54	M68	Z	14.742	14.742	0	%100
55	M67A	X	0	0	0	%100
56	M67A	Z	0	0	0	%100
57	M68A	X	6.437	6.437	0	%100
58	M68A	Z	11.15	11.15	0	%100
59	M63B	X	.632	.632	0	%100
60	M63B	Z	1.095	1.095	0	%100
61	M66B	X	.632	.632	0	%100
62	M66B	Z	1.095	1.095	0	%100
63	M69	X	0	0	0	%100
64	M69	Z	0	0	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	0	0	0	%100
67	MP2A	X	4.003	4.003	0	%100
68	MP2A	Z	6.933	6.933	0	%100
69	MP3A	X	4.846	4.846	0	%100
70	MP3A	Z	8.393	8.393	0	%100
71	MP4A	X	4.003	4.003	0	%100
72	MP4A	Z	6.933	6.933	0	%100
73	MP5A	X	4.003	4.003	0	%100
74	MP5A	Z	6.933	6.933	0	%100
75	MP1C	X	4.003	4.003	0	%100
76	MP1C	Z	6.933	6.933	0	%100
77	MP2C	X	4.003	4.003	0	%100
78	MP2C	Z	6.933	6.933	0	%100
79	MP3C	X	4.846	4.846	0	%100
80	MP3C	Z	8.393	8.393	0	%100
81	MP5C	X	4.003	4.003	0	%100
82	MP5C	Z	6.933	6.933	0	%100
83	MP1B	X	4.003	4.003	0	%100
84	MP1B	Z	6.933	6.933	0	%100
85	MP2B	X	4.003	4.003	0	%100
86	MP2B	Z	6.933	6.933	0	%100
87	MP3B	X	4.846	4.846	0	%100
88	MP3B	Z	8.393	8.393	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,%]
89	MP5B	X	4.003	4.003	0	%100
90	MP5B	Z	6.933	6.933	0	%100
91	MP4C	X	4.003	4.003	0	%100
92	MP4C	Z	6.933	6.933	0	%100
93	MP4B	X	4.003	4.003	0	%100
94	MP4B	Z	6.933	6.933	0	%100
95	M104	X	3.634	3.634	0	%100
96	M104	Z	6.295	6.295	0	%100
97	M105	X	0	0	0	%100
98	M105	Z	0	0	0	%100
99	M106	X	3.634	3.634	0	%100
100	M106	Z	6.295	6.295	0	%100
101	M113	X	4.234	4.234	0	%100
102	M113	Z	7.333	7.333	0	%100
103	M114	X	4.234	4.234	0	%100
104	M114	Z	7.333	7.333	0	%100
105	M115	X	0	0	0	%100
106	M115	Z	0	0	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	22.706	22.706	0	%100
3	MP1A	X	0	0	0	%100
4	MP1A	Z	8.006	8.006	0	%100
5	M28	X	0	0	0	%100
6	M28	Z	22.224	22.224	0	%100
7	M31	X	0	0	0	%100
8	M31	Z	5.556	5.556	0	%100
9	M34	X	0	0	0	%100
10	M34	Z	5.556	5.556	0	%100
11	M49	X	0	0	0	%100
12	M49	Z	.421	.421	0	%100
13	M52	X	0	0	0	%100
14	M52	Z	.421	.421	0	%100
15	M75	X	0	0	0	%100
16	M75	Z	17.166	17.166	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	22.706	22.706	0	%100
19	M77A	X	0	0	0	%100
20	M77A	Z	0	0	0	%100
21	M66	X	0	0	0	%100
22	M66	Z	5.688	5.688	0	%100
23	M67	X	0	0	0	%100
24	M67	Z	5.688	5.688	0	%100
25	M73	X	0	0	0	%100
26	M73	Z	5.001	5.001	0	%100
27	M74	X	0	0	0	%100
28	M74	Z	13.717	13.717	0	%100
29	M75B	X	0	0	0	%100
30	M75B	Z	11.236	11.236	0	%100
31	M76	X	0	0	0	%100
32	M76	Z	11.236	11.236	0	%100
33	M77	X	0	0	0	%100
34	M77	Z	1.674	1.674	0	%100
35	M78B	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,%]
36	M78B	Z	1.674	1.674	0	%100
37	M79	X	0	0	0	%100
38	M79	Z	1.674	1.674	0	%100
39	M80	X	0	0	0	%100
40	M80	Z	1.674	1.674	0	%100
41	M81A	X	0	0	0	%100
42	M81A	Z	1.674	1.674	0	%100
43	M82A	X	0	0	0	%100
44	M82A	Z	1.674	1.674	0	%100
45	M83	X	0	0	0	%100
46	M83	Z	1.674	1.674	0	%100
47	M59	X	0	0	0	%100
48	M59	Z	5.669	5.669	0	%100
49	M63A	X	0	0	0	%100
50	M63A	Z	5.677	5.677	0	%100
51	M64A	X	0	0	0	%100
52	M64A	Z	5.685	5.685	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	5.669	5.669	0	%100
55	M67A	X	0	0	0	%100
56	M67A	Z	4.292	4.292	0	%100
57	M68A	X	0	0	0	%100
58	M68A	Z	4.292	4.292	0	%100
59	M63B	X	0	0	0	%100
60	M63B	Z	1.685	1.685	0	%100
61	M66B	X	0	0	0	%100
62	M66B	Z	1.685	1.685	0	%100
63	M69	X	0	0	0	%100
64	M69	Z	.421	.421	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	.421	.421	0	%100
67	MP2A	X	0	0	0	%100
68	MP2A	Z	8.006	8.006	0	%100
69	MP3A	X	0	0	0	%100
70	MP3A	Z	9.691	9.691	0	%100
71	MP4A	X	0	0	0	%100
72	MP4A	Z	8.006	8.006	0	%100
73	MP5A	X	0	0	0	%100
74	MP5A	Z	8.006	8.006	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	8.006	8.006	0	%100
77	MP2C	X	0	0	0	%100
78	MP2C	Z	8.006	8.006	0	%100
79	MP3C	X	0	0	0	%100
80	MP3C	Z	9.691	9.691	0	%100
81	MP5C	X	0	0	0	%100
82	MP5C	Z	8.006	8.006	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	8.006	8.006	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	8.006	8.006	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	9.691	9.691	0	%100
89	MP5B	X	0	0	0	%100
90	MP5B	Z	8.006	8.006	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	8.006	8.006	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,%]
93	MP4B	X	0	0	0	%100
94	MP4B	Z	8.006	8.006	0	%100
95	M104	X	0	0	0	%100
96	M104	Z	9.691	9.691	0	%100
97	M105	X	0	0	0	%100
98	M105	Z	2.423	2.423	0	%100
99	M106	X	0	0	0	%100
100	M106	Z	2.423	2.423	0	%100
101	M113	X	0	0	0	%100
102	M113	Z	2.823	2.823	0	%100
103	M114	X	0	0	0	%100
104	M114	Z	11.29	11.29	0	%100
105	M115	X	0	0	0	%100
106	M115	Z	2.823	2.823	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-8.515	-8.515	0	%100
2	M1	Z	14.748	14.748	0	%100
3	MP1A	X	-4.003	-4.003	0	%100
4	MP1A	Z	6.933	6.933	0	%100
5	M28	X	-8.334	-8.334	0	%100
6	M28	Z	14.435	14.435	0	%100
7	M31	X	-8.334	-8.334	0	%100
8	M31	Z	14.435	14.435	0	%100
9	M34	X	0	0	0	%100
10	M34	Z	0	0	0	%100
11	M49	X	0	0	0	%100
12	M49	Z	0	0	0	%100
13	M52	X	0	0	0	%100
14	M52	Z	0	0	0	%100
15	M75	X	-6.437	-6.437	0	%100
16	M75	Z	11.15	11.15	0	%100
17	M78	X	-8.515	-8.515	0	%100
18	M78	Z	14.748	14.748	0	%100
19	M77A	X	-.948	-.948	0	%100
20	M77A	Z	1.642	1.642	0	%100
21	M66	X	-.948	-.948	0	%100
22	M66	Z	1.642	1.642	0	%100
23	M67	X	-3.792	-3.792	0	%100
24	M67	Z	6.568	6.568	0	%100
25	M73	X	0	0	0	%100
26	M73	Z	0	0	0	%100
27	M74	X	-9.145	-9.145	0	%100
28	M74	Z	15.84	15.84	0	%100
29	M75B	X	-5.618	-5.618	0	%100
30	M75B	Z	9.731	9.731	0	%100
31	M76	X	-5.618	-5.618	0	%100
32	M76	Z	9.731	9.731	0	%100
33	M77	X	-1.116	-1.116	0	%100
34	M77	Z	1.933	1.933	0	%100
35	M78B	X	-1.116	-1.116	0	%100
36	M78B	Z	1.933	1.933	0	%100
37	M79	X	-1.116	-1.116	0	%100
38	M79	Z	1.933	1.933	0	%100
39	M80	X	-1.116	-1.116	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,%]
40	M80	Z	1.933	1.933	0	%100
41	M81A	X	-1.116	-1.116	0	%100
42	M81A	Z	1.933	1.933	0	%100
43	M82A	X	-1.116	-1.116	0	%100
44	M82A	Z	1.933	1.933	0	%100
45	M83	X	-1.116	-1.116	0	%100
46	M83	Z	1.933	1.933	0	%100
47	M59	X	-8.512	-8.512	0	%100
48	M59	Z	14.742	14.742	0	%100
49	M63A	X	-8.515	-8.515	0	%100
50	M63A	Z	14.748	14.748	0	%100
51	M64A	X	-2e-6	-2e-6	0	%100
52	M64A	Z	3e-6	3e-6	0	%100
53	M68	X	-2e-6	-2e-6	0	%100
54	M68	Z	3e-6	3e-6	0	%100
55	M67A	X	-6.437	-6.437	0	%100
56	M67A	Z	11.15	11.15	0	%100
57	M68A	X	0	0	0	%100
58	M68A	Z	0	0	0	%100
59	M63B	X	-.632	-.632	0	%100
60	M63B	Z	1.095	1.095	0	%100
61	M66B	X	-.632	-.632	0	%100
62	M66B	Z	1.095	1.095	0	%100
63	M69	X	-.632	-.632	0	%100
64	M69	Z	1.095	1.095	0	%100
65	M72	X	-.632	-.632	0	%100
66	M72	Z	1.095	1.095	0	%100
67	MP2A	X	-4.003	-4.003	0	%100
68	MP2A	Z	6.933	6.933	0	%100
69	MP3A	X	-4.846	-4.846	0	%100
70	MP3A	Z	8.393	8.393	0	%100
71	MP4A	X	-4.003	-4.003	0	%100
72	MP4A	Z	6.933	6.933	0	%100
73	MP5A	X	-4.003	-4.003	0	%100
74	MP5A	Z	6.933	6.933	0	%100
75	MP1C	X	-4.003	-4.003	0	%100
76	MP1C	Z	6.933	6.933	0	%100
77	MP2C	X	-4.003	-4.003	0	%100
78	MP2C	Z	6.933	6.933	0	%100
79	MP3C	X	-4.846	-4.846	0	%100
80	MP3C	Z	8.393	8.393	0	%100
81	MP5C	X	-4.003	-4.003	0	%100
82	MP5C	Z	6.933	6.933	0	%100
83	MP1B	X	-4.003	-4.003	0	%100
84	MP1B	Z	6.933	6.933	0	%100
85	MP2B	X	-4.003	-4.003	0	%100
86	MP2B	Z	6.933	6.933	0	%100
87	MP3B	X	-4.846	-4.846	0	%100
88	MP3B	Z	8.393	8.393	0	%100
89	MP5B	X	-4.003	-4.003	0	%100
90	MP5B	Z	6.933	6.933	0	%100
91	MP4C	X	-4.003	-4.003	0	%100
92	MP4C	Z	6.933	6.933	0	%100
93	MP4B	X	-4.003	-4.003	0	%100
94	MP4B	Z	6.933	6.933	0	%100
95	M104	X	-3.634	-3.634	0	%100
96	M104	Z	6.295	6.295	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,%]
97	M105	X	-3.634	-3.634	0	%100
98	M105	Z	6.295	6.295	0	%100
99	M106	X	0	0	0	%100
100	M106	Z	0	0	0	%100
101	M113	X	0	0	0	%100
102	M113	Z	0	0	0	%100
103	M114	X	-4.234	-4.234	0	%100
104	M114	Z	7.333	7.333	0	%100
105	M115	X	-4.234	-4.234	0	%100
106	M115	Z	7.333	7.333	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.916	-4.916	0	%100
2	M1	Z	2.838	2.838	0	%100
3	MP1A	X	-6.933	-6.933	0	%100
4	MP1A	Z	4.003	4.003	0	%100
5	M28	X	-4.812	-4.812	0	%100
6	M28	Z	2.778	2.778	0	%100
7	M31	X	-19.247	-19.247	0	%100
8	M31	Z	11.112	11.112	0	%100
9	M34	X	-4.812	-4.812	0	%100
10	M34	Z	2.778	2.778	0	%100
11	M49	X	-.365	-.365	0	%100
12	M49	Z	.211	.211	0	%100
13	M52	X	-.365	-.365	0	%100
14	M52	Z	.211	.211	0	%100
15	M75	X	-3.717	-3.717	0	%100
16	M75	Z	2.146	2.146	0	%100
17	M78	X	-4.916	-4.916	0	%100
18	M78	Z	2.838	2.838	0	%100
19	M77A	X	-4.926	-4.926	0	%100
20	M77A	Z	2.844	2.844	0	%100
21	M66	X	0	0	0	%100
22	M66	Z	0	0	0	%100
23	M67	X	-4.926	-4.926	0	%100
24	M67	Z	2.844	2.844	0	%100
25	M73	X	-4.331	-4.331	0	%100
26	M73	Z	2.5	2.5	0	%100
27	M74	X	-11.88	-11.88	0	%100
28	M74	Z	6.859	6.859	0	%100
29	M75B	X	-9.731	-9.731	0	%100
30	M75B	Z	5.618	5.618	0	%100
31	M76	X	-9.731	-9.731	0	%100
32	M76	Z	5.618	5.618	0	%100
33	M77	X	-1.449	-1.449	0	%100
34	M77	Z	.837	.837	0	%100
35	M78B	X	-1.449	-1.449	0	%100
36	M78B	Z	.837	.837	0	%100
37	M79	X	-1.449	-1.449	0	%100
38	M79	Z	.837	.837	0	%100
39	M80	X	-1.449	-1.449	0	%100
40	M80	Z	.837	.837	0	%100
41	M81A	X	-1.449	-1.449	0	%100
42	M81A	Z	.837	.837	0	%100
43	M82A	X	-1.449	-1.449	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,%]
44	M82A	Z	.837	.837	0	%100
45	M83	X	-1.449	-1.449	0	%100
46	M83	Z	.837	.837	0	%100
47	M59	X	-19.666	-19.666	0	%100
48	M59	Z	11.354	11.354	0	%100
49	M63A	X	-19.664	-19.664	0	%100
50	M63A	Z	11.353	11.353	0	%100
51	M64A	X	-4.91	-4.91	0	%100
52	M64A	Z	2.835	2.835	0	%100
53	M68	X	-4.923	-4.923	0	%100
54	M68	Z	2.842	2.842	0	%100
55	M67A	X	-14.866	-14.866	0	%100
56	M67A	Z	8.583	8.583	0	%100
57	M68A	X	-3.717	-3.717	0	%100
58	M68A	Z	2.146	2.146	0	%100
59	M63B	X	-.365	-.365	0	%100
60	M63B	Z	.211	.211	0	%100
61	M66B	X	-.365	-.365	0	%100
62	M66B	Z	.211	.211	0	%100
63	M69	X	-1.46	-1.46	0	%100
64	M69	Z	.843	.843	0	%100
65	M72	X	-1.46	-1.46	0	%100
66	M72	Z	.843	.843	0	%100
67	MP2A	X	-6.933	-6.933	0	%100
68	MP2A	Z	4.003	4.003	0	%100
69	MP3A	X	-8.393	-8.393	0	%100
70	MP3A	Z	4.846	4.846	0	%100
71	MP4A	X	-6.933	-6.933	0	%100
72	MP4A	Z	4.003	4.003	0	%100
73	MP5A	X	-6.933	-6.933	0	%100
74	MP5A	Z	4.003	4.003	0	%100
75	MP1C	X	-6.933	-6.933	0	%100
76	MP1C	Z	4.003	4.003	0	%100
77	MP2C	X	-6.933	-6.933	0	%100
78	MP2C	Z	4.003	4.003	0	%100
79	MP3C	X	-8.393	-8.393	0	%100
80	MP3C	Z	4.846	4.846	0	%100
81	MP5C	X	-6.933	-6.933	0	%100
82	MP5C	Z	4.003	4.003	0	%100
83	MP1B	X	-6.933	-6.933	0	%100
84	MP1B	Z	4.003	4.003	0	%100
85	MP2B	X	-6.933	-6.933	0	%100
86	MP2B	Z	4.003	4.003	0	%100
87	MP3B	X	-8.393	-8.393	0	%100
88	MP3B	Z	4.846	4.846	0	%100
89	MP5B	X	-6.933	-6.933	0	%100
90	MP5B	Z	4.003	4.003	0	%100
91	MP4C	X	-6.933	-6.933	0	%100
92	MP4C	Z	4.003	4.003	0	%100
93	MP4B	X	-6.933	-6.933	0	%100
94	MP4B	Z	4.003	4.003	0	%100
95	M104	X	-2.098	-2.098	0	%100
96	M104	Z	1.211	1.211	0	%100
97	M105	X	-8.393	-8.393	0	%100
98	M105	Z	4.846	4.846	0	%100
99	M106	X	-2.098	-2.098	0	%100
100	M106	Z	1.211	1.211	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,%]
101	M113	X	-2.444	-2.444	0	%100
102	M113	Z	1.411	1.411	0	%100
103	M114	X	-2.444	-2.444	0	%100
104	M114	Z	1.411	1.411	0	%100
105	M115	X	-9.778	-9.778	0	%100
106	M115	Z	5.645	5.645	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	MP1A	X	-8.006	-8.006	0	%100
4	MP1A	Z	0	0	0	%100
5	M28	X	0	0	0	%100
6	M28	Z	0	0	0	%100
7	M31	X	-16.668	-16.668	0	%100
8	M31	Z	0	0	0	%100
9	M34	X	-16.668	-16.668	0	%100
10	M34	Z	0	0	0	%100
11	M49	X	-1.264	-1.264	0	%100
12	M49	Z	0	0	0	%100
13	M52	X	-1.264	-1.264	0	%100
14	M52	Z	0	0	0	%100
15	M75	X	0	0	0	%100
16	M75	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	M77A	X	-7.584	-7.584	0	%100
20	M77A	Z	0	0	0	%100
21	M66	X	-1.896	-1.896	0	%100
22	M66	Z	0	0	0	%100
23	M67	X	-1.896	-1.896	0	%100
24	M67	Z	0	0	0	%100
25	M73	X	-15.002	-15.002	0	%100
26	M73	Z	0	0	0	%100
27	M74	X	-4.572	-4.572	0	%100
28	M74	Z	0	0	0	%100
29	M75B	X	-11.236	-11.236	0	%100
30	M75B	Z	0	0	0	%100
31	M76	X	-11.236	-11.236	0	%100
32	M76	Z	0	0	0	%100
33	M77	X	-.558	-.558	0	%100
34	M77	Z	0	0	0	%100
35	M78B	X	-.558	-.558	0	%100
36	M78B	Z	0	0	0	%100
37	M79	X	-.558	-.558	0	%100
38	M79	Z	0	0	0	%100
39	M80	X	-.558	-.558	0	%100
40	M80	Z	0	0	0	%100
41	M81A	X	-.558	-.558	0	%100
42	M81A	Z	0	0	0	%100
43	M82A	X	-.558	-.558	0	%100
44	M82A	Z	0	0	0	%100
45	M83	X	-.558	-.558	0	%100
46	M83	Z	0	0	0	%100
47	M59	X	-17.039	-17.039	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,%]
48	M59	Z	0	0	0	%100
49	M63A	X	-17.03	-17.03	0	%100
50	M63A	Z	0	0	0	%100
51	M64A	X	-17.023	-17.023	0	%100
52	M64A	Z	0	0	0	%100
53	M68	X	-17.039	-17.039	0	%100
54	M68	Z	0	0	0	%100
55	M67A	X	-12.875	-12.875	0	%100
56	M67A	Z	0	0	0	%100
57	M68A	X	-12.875	-12.875	0	%100
58	M68A	Z	0	0	0	%100
59	M63B	X	0	0	0	%100
60	M63B	Z	0	0	0	%100
61	M66B	X	0	0	0	%100
62	M66B	Z	0	0	0	%100
63	M69	X	-1.264	-1.264	0	%100
64	M69	Z	0	0	0	%100
65	M72	X	-1.264	-1.264	0	%100
66	M72	Z	0	0	0	%100
67	MP2A	X	-8.006	-8.006	0	%100
68	MP2A	Z	0	0	0	%100
69	MP3A	X	-9.691	-9.691	0	%100
70	MP3A	Z	0	0	0	%100
71	MP4A	X	-8.006	-8.006	0	%100
72	MP4A	Z	0	0	0	%100
73	MP5A	X	-8.006	-8.006	0	%100
74	MP5A	Z	0	0	0	%100
75	MP1C	X	-8.006	-8.006	0	%100
76	MP1C	Z	0	0	0	%100
77	MP2C	X	-8.006	-8.006	0	%100
78	MP2C	Z	0	0	0	%100
79	MP3C	X	-9.691	-9.691	0	%100
80	MP3C	Z	0	0	0	%100
81	MP5C	X	-8.006	-8.006	0	%100
82	MP5C	Z	0	0	0	%100
83	MP1B	X	-8.006	-8.006	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	-8.006	-8.006	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	-9.691	-9.691	0	%100
88	MP3B	Z	0	0	0	%100
89	MP5B	X	-8.006	-8.006	0	%100
90	MP5B	Z	0	0	0	%100
91	MP4C	X	-8.006	-8.006	0	%100
92	MP4C	Z	0	0	0	%100
93	MP4B	X	-8.006	-8.006	0	%100
94	MP4B	Z	0	0	0	%100
95	M104	X	0	0	0	%100
96	M104	Z	0	0	0	%100
97	M105	X	-7.268	-7.268	0	%100
98	M105	Z	0	0	0	%100
99	M106	X	-7.268	-7.268	0	%100
100	M106	Z	0	0	0	%100
101	M113	X	-8.468	-8.468	0	%100
102	M113	Z	0	0	0	%100
103	M114	X	0	0	0	%100
104	M114	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,%]
105	M115	X	-8.468	-8.468	0	%100
106	M115	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	-4.916	-4.916	0	%100
2	M1	Z	-2.838	-2.838	0	%100
3	MP1A	X	-6.933	-6.933	0	%100
4	MP1A	Z	-4.003	-4.003	0	%100
5	M28	X	-4.812	-4.812	0	%100
6	M28	Z	-2.778	-2.778	0	%100
7	M31	X	-4.812	-4.812	0	%100
8	M31	Z	-2.778	-2.778	0	%100
9	M34	X	-19.247	-19.247	0	%100
10	M34	Z	-11.112	-11.112	0	%100
11	M49	X	-1.46	-1.46	0	%100
12	M49	Z	-.843	-.843	0	%100
13	M52	X	-1.46	-1.46	0	%100
14	M52	Z	-.843	-.843	0	%100
15	M75	X	-3.717	-3.717	0	%100
16	M75	Z	-2.146	-2.146	0	%100
17	M78	X	-4.916	-4.916	0	%100
18	M78	Z	-2.838	-2.838	0	%100
19	M77A	X	-4.926	-4.926	0	%100
20	M77A	Z	-2.844	-2.844	0	%100
21	M66	X	-4.926	-4.926	0	%100
22	M66	Z	-2.844	-2.844	0	%100
23	M67	X	0	0	0	%100
24	M67	Z	0	0	0	%100
25	M73	X	-17.323	-17.323	0	%100
26	M73	Z	-10.001	-10.001	0	%100
27	M74	X	0	0	0	%100
28	M74	Z	0	0	0	%100
29	M75B	X	-9.731	-9.731	0	%100
30	M75B	Z	-5.618	-5.618	0	%100
31	M76	X	-9.731	-9.731	0	%100
32	M76	Z	-5.618	-5.618	0	%100
33	M77	X	0	0	0	%100
34	M77	Z	0	0	0	%100
35	M78B	X	0	0	0	%100
36	M78B	Z	0	0	0	%100
37	M79	X	0	0	0	%100
38	M79	Z	0	0	0	%100
39	M80	X	0	0	0	%100
40	M80	Z	0	0	0	%100
41	M81A	X	0	0	0	%100
42	M81A	Z	0	0	0	%100
43	M82A	X	0	0	0	%100
44	M82A	Z	0	0	0	%100
45	M83	X	0	0	0	%100
46	M83	Z	0	0	0	%100
47	M59	X	-4.923	-4.923	0	%100
48	M59	Z	-2.842	-2.842	0	%100
49	M63A	X	-4.916	-4.916	0	%100
50	M63A	Z	-2.838	-2.838	0	%100
51	M64A	X	-19.666	-19.666	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,%]
52	M64A	Z	-11.354	-11.354	0	%100
53	M68	X	-19.666	-19.666	0	%100
54	M68	Z	-11.354	-11.354	0	%100
55	M67A	X	-3.717	-3.717	0	%100
56	M67A	Z	-2.146	-2.146	0	%100
57	M68A	X	-14.866	-14.866	0	%100
58	M68A	Z	-8.583	-8.583	0	%100
59	M63B	X	-.365	-.365	0	%100
60	M63B	Z	-.211	-.211	0	%100
61	M66B	X	-.365	-.365	0	%100
62	M66B	Z	-.211	-.211	0	%100
63	M69	X	-.365	-.365	0	%100
64	M69	Z	-.211	-.211	0	%100
65	M72	X	-.365	-.365	0	%100
66	M72	Z	-.211	-.211	0	%100
67	MP2A	X	-6.933	-6.933	0	%100
68	MP2A	Z	-4.003	-4.003	0	%100
69	MP3A	X	-8.393	-8.393	0	%100
70	MP3A	Z	-4.846	-4.846	0	%100
71	MP4A	X	-6.933	-6.933	0	%100
72	MP4A	Z	-4.003	-4.003	0	%100
73	MP5A	X	-6.933	-6.933	0	%100
74	MP5A	Z	-4.003	-4.003	0	%100
75	MP1C	X	-6.933	-6.933	0	%100
76	MP1C	Z	-4.003	-4.003	0	%100
77	MP2C	X	-6.933	-6.933	0	%100
78	MP2C	Z	-4.003	-4.003	0	%100
79	MP3C	X	-8.393	-8.393	0	%100
80	MP3C	Z	-4.846	-4.846	0	%100
81	MP5C	X	-6.933	-6.933	0	%100
82	MP5C	Z	-4.003	-4.003	0	%100
83	MP1B	X	-6.933	-6.933	0	%100
84	MP1B	Z	-4.003	-4.003	0	%100
85	MP2B	X	-6.933	-6.933	0	%100
86	MP2B	Z	-4.003	-4.003	0	%100
87	MP3B	X	-8.393	-8.393	0	%100
88	MP3B	Z	-4.846	-4.846	0	%100
89	MP5B	X	-6.933	-6.933	0	%100
90	MP5B	Z	-4.003	-4.003	0	%100
91	MP4C	X	-6.933	-6.933	0	%100
92	MP4C	Z	-4.003	-4.003	0	%100
93	MP4B	X	-6.933	-6.933	0	%100
94	MP4B	Z	-4.003	-4.003	0	%100
95	M104	X	-2.098	-2.098	0	%100
96	M104	Z	-1.211	-1.211	0	%100
97	M105	X	-2.098	-2.098	0	%100
98	M105	Z	-1.211	-1.211	0	%100
99	M106	X	-8.393	-8.393	0	%100
100	M106	Z	-4.846	-4.846	0	%100
101	M113	X	-9.778	-9.778	0	%100
102	M113	Z	-5.645	-5.645	0	%100
103	M114	X	-2.444	-2.444	0	%100
104	M114	Z	-1.411	-1.411	0	%100
105	M115	X	-2.444	-2.444	0	%100
106	M115	Z	-1.411	-1.411	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	-8.515	-8.515	0	%100
2	M1	Z	-14.748	-14.748	0	%100
3	MP1A	X	-4.003	-4.003	0	%100
4	MP1A	Z	-6.933	-6.933	0	%100
5	M28	X	-8.334	-8.334	0	%100
6	M28	Z	-14.435	-14.435	0	%100
7	M31	X	0	0	0	%100
8	M31	Z	0	0	0	%100
9	M34	X	-8.334	-8.334	0	%100
10	M34	Z	-14.435	-14.435	0	%100
11	M49	X	-.632	-.632	0	%100
12	M49	Z	-1.095	-1.095	0	%100
13	M52	X	-.632	-.632	0	%100
14	M52	Z	-1.095	-1.095	0	%100
15	M75	X	-6.437	-6.437	0	%100
16	M75	Z	-11.15	-11.15	0	%100
17	M78	X	-8.515	-8.515	0	%100
18	M78	Z	-14.748	-14.748	0	%100
19	M77A	X	-.948	-.948	0	%100
20	M77A	Z	-1.642	-1.642	0	%100
21	M66	X	-3.792	-3.792	0	%100
22	M66	Z	-6.568	-6.568	0	%100
23	M67	X	-.948	-.948	0	%100
24	M67	Z	-1.642	-1.642	0	%100
25	M73	X	-7.501	-7.501	0	%100
26	M73	Z	-12.992	-12.992	0	%100
27	M74	X	-2.286	-2.286	0	%100
28	M74	Z	-3.96	-3.96	0	%100
29	M75B	X	-5.618	-5.618	0	%100
30	M75B	Z	-9.731	-9.731	0	%100
31	M76	X	-5.618	-5.618	0	%100
32	M76	Z	-9.731	-9.731	0	%100
33	M77	X	-.279	-.279	0	%100
34	M77	Z	-.483	-.483	0	%100
35	M78B	X	-.279	-.279	0	%100
36	M78B	Z	-.483	-.483	0	%100
37	M79	X	-.279	-.279	0	%100
38	M79	Z	-.483	-.483	0	%100
39	M80	X	-.279	-.279	0	%100
40	M80	Z	-.483	-.483	0	%100
41	M81A	X	-.279	-.279	0	%100
42	M81A	Z	-.483	-.483	0	%100
43	M82A	X	-.279	-.279	0	%100
44	M82A	Z	-.483	-.483	0	%100
45	M83	X	-.279	-.279	0	%100
46	M83	Z	-.483	-.483	0	%100
47	M59	X	-2e-6	-2e-6	0	%100
48	M59	Z	-3e-6	-3e-6	0	%100
49	M63A	X	0	0	0	%100
50	M63A	Z	0	0	0	%100
51	M64A	X	-8.519	-8.519	0	%100
52	M64A	Z	-14.756	-14.756	0	%100
53	M68	X	-8.512	-8.512	0	%100
54	M68	Z	-14.742	-14.742	0	%100
55	M67A	X	0	0	0	%100
56	M67A	Z	0	0	0	%100
57	M68A	X	-6.437	-6.437	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,%]
58	M68A	Z	-11.15	-11.15	0	%100
59	M63B	X	-.632	-.632	0	%100
60	M63B	Z	-1.095	-1.095	0	%100
61	M66B	X	-.632	-.632	0	%100
62	M66B	Z	-1.095	-1.095	0	%100
63	M69	X	0	0	0	%100
64	M69	Z	0	0	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	0	0	0	%100
67	MP2A	X	-4.003	-4.003	0	%100
68	MP2A	Z	-6.933	-6.933	0	%100
69	MP3A	X	-4.846	-4.846	0	%100
70	MP3A	Z	-8.393	-8.393	0	%100
71	MP4A	X	-4.003	-4.003	0	%100
72	MP4A	Z	-6.933	-6.933	0	%100
73	MP5A	X	-4.003	-4.003	0	%100
74	MP5A	Z	-6.933	-6.933	0	%100
75	MP1C	X	-4.003	-4.003	0	%100
76	MP1C	Z	-6.933	-6.933	0	%100
77	MP2C	X	-4.003	-4.003	0	%100
78	MP2C	Z	-6.933	-6.933	0	%100
79	MP3C	X	-4.846	-4.846	0	%100
80	MP3C	Z	-8.393	-8.393	0	%100
81	MP5C	X	-4.003	-4.003	0	%100
82	MP5C	Z	-6.933	-6.933	0	%100
83	MP1B	X	-4.003	-4.003	0	%100
84	MP1B	Z	-6.933	-6.933	0	%100
85	MP2B	X	-4.003	-4.003	0	%100
86	MP2B	Z	-6.933	-6.933	0	%100
87	MP3B	X	-4.846	-4.846	0	%100
88	MP3B	Z	-8.393	-8.393	0	%100
89	MP5B	X	-4.003	-4.003	0	%100
90	MP5B	Z	-6.933	-6.933	0	%100
91	MP4C	X	-4.003	-4.003	0	%100
92	MP4C	Z	-6.933	-6.933	0	%100
93	MP4B	X	-4.003	-4.003	0	%100
94	MP4B	Z	-6.933	-6.933	0	%100
95	M104	X	-3.634	-3.634	0	%100
96	M104	Z	-6.295	-6.295	0	%100
97	M105	X	0	0	0	%100
98	M105	Z	0	0	0	%100
99	M106	X	-3.634	-3.634	0	%100
100	M106	Z	-6.295	-6.295	0	%100
101	M113	X	-4.234	-4.234	0	%100
102	M113	Z	-7.333	-7.333	0	%100
103	M114	X	-4.234	-4.234	0	%100
104	M114	Z	-7.333	-7.333	0	%100
105	M115	X	0	0	0	%100
106	M115	Z	0	0	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	-5.489	-5.489	0	%100
3	MP1A	X	0	0	0	%100
4	MP1A	Z	-2.85	-2.85	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,%]
5	M28	X	0	0	0	%100
6	M28	Z	-5.403	-5.403	0	%100
7	M31	X	0	0	0	%100
8	M31	Z	-1.351	-1.351	0	%100
9	M34	X	0	0	0	%100
10	M34	Z	-1.351	-1.351	0	%100
11	M49	X	0	0	0	%100
12	M49	Z	-.293	-.293	0	%100
13	M52	X	0	0	0	%100
14	M52	Z	-.293	-.293	0	%100
15	M75	X	0	0	0	%100
16	M75	Z	-4.009	-4.009	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	-5.489	-5.489	0	%100
19	M77A	X	0	0	0	%100
20	M77A	Z	0	0	0	%100
21	M66	X	0	0	0	%100
22	M66	Z	-1.767	-1.767	0	%100
23	M67	X	0	0	0	%100
24	M67	Z	-1.767	-1.767	0	%100
25	M73	X	0	0	0	%100
26	M73	Z	-1.196	-1.196	0	%100
27	M74	X	0	0	0	%100
28	M74	Z	-3.234	-3.234	0	%100
29	M75B	X	0	0	0	%100
30	M75B	Z	-3.43	-3.43	0	%100
31	M76	X	0	0	0	%100
32	M76	Z	-3.43	-3.43	0	%100
33	M77	X	0	0	0	%100
34	M77	Z	-.987	-.987	0	%100
35	M78B	X	0	0	0	%100
36	M78B	Z	-.987	-.987	0	%100
37	M79	X	0	0	0	%100
38	M79	Z	-.987	-.987	0	%100
39	M80	X	0	0	0	%100
40	M80	Z	-.987	-.987	0	%100
41	M81A	X	0	0	0	%100
42	M81A	Z	-.987	-.987	0	%100
43	M82A	X	0	0	0	%100
44	M82A	Z	-.987	-.987	0	%100
45	M83	X	0	0	0	%100
46	M83	Z	-.987	-.987	0	%100
47	M59	X	0	0	0	%100
48	M59	Z	-1.371	-1.371	0	%100
49	M63A	X	0	0	0	%100
50	M63A	Z	-1.372	-1.372	0	%100
51	M64A	X	0	0	0	%100
52	M64A	Z	-1.374	-1.374	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-1.371	-1.371	0	%100
55	M67A	X	0	0	0	%100
56	M67A	Z	-1.002	-1.002	0	%100
57	M68A	X	0	0	0	%100
58	M68A	Z	-1.002	-1.002	0	%100
59	M63B	X	0	0	0	%100
60	M63B	Z	-1.173	-1.173	0	%100
61	M66B	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,%]
62	M66B	Z	-1.173	-1.173	0	%100
63	M69	X	0	0	0	%100
64	M69	Z	-.293	-.293	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	-.293	-.293	0	%100
67	MP2A	X	0	0	0	%100
68	MP2A	Z	-2.85	-2.85	0	%100
69	MP3A	X	0	0	0	%100
70	MP3A	Z	-3.152	-3.152	0	%100
71	MP4A	X	0	0	0	%100
72	MP4A	Z	-2.85	-2.85	0	%100
73	MP5A	X	0	0	0	%100
74	MP5A	Z	-2.85	-2.85	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-2.85	-2.85	0	%100
77	MP2C	X	0	0	0	%100
78	MP2C	Z	-2.85	-2.85	0	%100
79	MP3C	X	0	0	0	%100
80	MP3C	Z	-3.152	-3.152	0	%100
81	MP5C	X	0	0	0	%100
82	MP5C	Z	-2.85	-2.85	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	-2.85	-2.85	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	-2.85	-2.85	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	-3.152	-3.152	0	%100
89	MP5B	X	0	0	0	%100
90	MP5B	Z	-2.85	-2.85	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-2.85	-2.85	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	-2.85	-2.85	0	%100
95	M104	X	0	0	0	%100
96	M104	Z	-3.152	-3.152	0	%100
97	M105	X	0	0	0	%100
98	M105	Z	-.788	-.788	0	%100
99	M106	X	0	0	0	%100
100	M106	Z	-.788	-.788	0	%100
101	M113	X	0	0	0	%100
102	M113	Z	-.744	-.744	0	%100
103	M114	X	0	0	0	%100
104	M114	Z	-2.975	-2.975	0	%100
105	M115	X	0	0	0	%100
106	M115	Z	-.744	-.744	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.058	2.058	0	%100
2	M1	Z	-3.565	-3.565	0	%100
3	MP1A	X	1.425	1.425	0	%100
4	MP1A	Z	-2.468	-2.468	0	%100
5	M28	X	2.026	2.026	0	%100
6	M28	Z	-3.509	-3.509	0	%100
7	M31	X	2.026	2.026	0	%100
8	M31	Z	-3.509	-3.509	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,%]
9	M34	X	0	0	0	%100
10	M34	Z	0	0	0	%100
11	M49	X	0	0	0	%100
12	M49	Z	0	0	0	%100
13	M52	X	0	0	0	%100
14	M52	Z	0	0	0	%100
15	M75	X	1.503	1.503	0	%100
16	M75	Z	-2.604	-2.604	0	%100
17	M78	X	2.058	2.058	0	%100
18	M78	Z	-3.565	-3.565	0	%100
19	M77A	X	.294	.294	0	%100
20	M77A	Z	-.51	-.51	0	%100
21	M66	X	.294	.294	0	%100
22	M66	Z	-.51	-.51	0	%100
23	M67	X	1.178	1.178	0	%100
24	M67	Z	-2.04	-2.04	0	%100
25	M73	X	0	0	0	%100
26	M73	Z	0	0	0	%100
27	M74	X	2.156	2.156	0	%100
28	M74	Z	-3.734	-3.734	0	%100
29	M75B	X	1.715	1.715	0	%100
30	M75B	Z	-2.97	-2.97	0	%100
31	M76	X	1.715	1.715	0	%100
32	M76	Z	-2.97	-2.97	0	%100
33	M77	X	.658	.658	0	%100
34	M77	Z	-1.14	-1.14	0	%100
35	M78B	X	.658	.658	0	%100
36	M78B	Z	-1.14	-1.14	0	%100
37	M79	X	.658	.658	0	%100
38	M79	Z	-1.14	-1.14	0	%100
39	M80	X	.658	.658	0	%100
40	M80	Z	-1.14	-1.14	0	%100
41	M81A	X	.658	.658	0	%100
42	M81A	Z	-1.14	-1.14	0	%100
43	M82A	X	.658	.658	0	%100
44	M82A	Z	-1.14	-1.14	0	%100
45	M83	X	.658	.658	0	%100
46	M83	Z	-1.14	-1.14	0	%100
47	M59	X	2.058	2.058	0	%100
48	M59	Z	-3.564	-3.564	0	%100
49	M63A	X	2.058	2.058	0	%100
50	M63A	Z	-3.565	-3.565	0	%100
51	M64A	X	0	0	0	%100
52	M64A	Z	-1e-6	-1e-6	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-1e-6	-1e-6	0	%100
55	M67A	X	1.503	1.503	0	%100
56	M67A	Z	-2.604	-2.604	0	%100
57	M68A	X	0	0	0	%100
58	M68A	Z	0	0	0	%100
59	M63B	X	.44	.44	0	%100
60	M63B	Z	-.762	-.762	0	%100
61	M66B	X	.44	.44	0	%100
62	M66B	Z	-.762	-.762	0	%100
63	M69	X	.44	.44	0	%100
64	M69	Z	-.762	-.762	0	%100
65	M72	X	.44	.44	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,%]
66	M72	Z	-.762	-.762	0	%100
67	MP2A	X	1.425	1.425	0	%100
68	MP2A	Z	-2.468	-2.468	0	%100
69	MP3A	X	1.576	1.576	0	%100
70	MP3A	Z	-2.73	-2.73	0	%100
71	MP4A	X	1.425	1.425	0	%100
72	MP4A	Z	-2.468	-2.468	0	%100
73	MP5A	X	1.425	1.425	0	%100
74	MP5A	Z	-2.468	-2.468	0	%100
75	MP1C	X	1.425	1.425	0	%100
76	MP1C	Z	-2.468	-2.468	0	%100
77	MP2C	X	1.425	1.425	0	%100
78	MP2C	Z	-2.468	-2.468	0	%100
79	MP3C	X	1.576	1.576	0	%100
80	MP3C	Z	-2.73	-2.73	0	%100
81	MP5C	X	1.425	1.425	0	%100
82	MP5C	Z	-2.468	-2.468	0	%100
83	MP1B	X	1.425	1.425	0	%100
84	MP1B	Z	-2.468	-2.468	0	%100
85	MP2B	X	1.425	1.425	0	%100
86	MP2B	Z	-2.468	-2.468	0	%100
87	MP3B	X	1.576	1.576	0	%100
88	MP3B	Z	-2.73	-2.73	0	%100
89	MP5B	X	1.425	1.425	0	%100
90	MP5B	Z	-2.468	-2.468	0	%100
91	MP4C	X	1.425	1.425	0	%100
92	MP4C	Z	-2.468	-2.468	0	%100
93	MP4B	X	1.425	1.425	0	%100
94	MP4B	Z	-2.468	-2.468	0	%100
95	M104	X	1.182	1.182	0	%100
96	M104	Z	-2.048	-2.048	0	%100
97	M105	X	1.182	1.182	0	%100
98	M105	Z	-2.048	-2.048	0	%100
99	M106	X	0	0	0	%100
100	M106	Z	0	0	0	%100
101	M113	X	0	0	0	%100
102	M113	Z	0	0	0	%100
103	M114	X	1.116	1.116	0	%100
104	M114	Z	-1.933	-1.933	0	%100
105	M115	X	1.116	1.116	0	%100
106	M115	Z	-1.933	-1.933	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	1.188	1.188	0	%100
2	M1	Z	-.686	-.686	0	%100
3	MP1A	X	2.468	2.468	0	%100
4	MP1A	Z	-1.425	-1.425	0	%100
5	M28	X	1.17	1.17	0	%100
6	M28	Z	-.675	-.675	0	%100
7	M31	X	4.679	4.679	0	%100
8	M31	Z	-2.701	-2.701	0	%100
9	M34	X	1.17	1.17	0	%100
10	M34	Z	-.675	-.675	0	%100
11	M49	X	.254	.254	0	%100
12	M49	Z	-.147	-.147	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,%]
13	M52	X	.254	.254	0	%100
14	M52	Z	-.147	-.147	0	%100
15	M75	X	.868	.868	0	%100
16	M75	Z	-.501	-.501	0	%100
17	M78	X	1.188	1.188	0	%100
18	M78	Z	-.686	-.686	0	%100
19	M77A	X	1.53	1.53	0	%100
20	M77A	Z	-.883	-.883	0	%100
21	M66	X	0	0	0	%100
22	M66	Z	0	0	0	%100
23	M67	X	1.53	1.53	0	%100
24	M67	Z	-.883	-.883	0	%100
25	M73	X	1.036	1.036	0	%100
26	M73	Z	-.598	-.598	0	%100
27	M74	X	2.8	2.8	0	%100
28	M74	Z	-1.617	-1.617	0	%100
29	M75B	X	2.97	2.97	0	%100
30	M75B	Z	-1.715	-1.715	0	%100
31	M76	X	2.97	2.97	0	%100
32	M76	Z	-1.715	-1.715	0	%100
33	M77	X	.855	.855	0	%100
34	M77	Z	-.494	-.494	0	%100
35	M78B	X	.855	.855	0	%100
36	M78B	Z	-.494	-.494	0	%100
37	M79	X	.855	.855	0	%100
38	M79	Z	-.494	-.494	0	%100
39	M80	X	.855	.855	0	%100
40	M80	Z	-.494	-.494	0	%100
41	M81A	X	.855	.855	0	%100
42	M81A	Z	-.494	-.494	0	%100
43	M82A	X	.855	.855	0	%100
44	M82A	Z	-.494	-.494	0	%100
45	M83	X	.855	.855	0	%100
46	M83	Z	-.494	-.494	0	%100
47	M59	X	4.754	4.754	0	%100
48	M59	Z	-2.745	-2.745	0	%100
49	M63A	X	4.754	4.754	0	%100
50	M63A	Z	-2.745	-2.745	0	%100
51	M64A	X	1.187	1.187	0	%100
52	M64A	Z	-.685	-.685	0	%100
53	M68	X	1.19	1.19	0	%100
54	M68	Z	-.687	-.687	0	%100
55	M67A	X	3.472	3.472	0	%100
56	M67A	Z	-2.004	-2.004	0	%100
57	M68A	X	.868	.868	0	%100
58	M68A	Z	-.501	-.501	0	%100
59	M63B	X	.254	.254	0	%100
60	M63B	Z	-.147	-.147	0	%100
61	M66B	X	.254	.254	0	%100
62	M66B	Z	-.147	-.147	0	%100
63	M69	X	1.016	1.016	0	%100
64	M69	Z	-.587	-.587	0	%100
65	M72	X	1.016	1.016	0	%100
66	M72	Z	-.587	-.587	0	%100
67	MP2A	X	2.468	2.468	0	%100
68	MP2A	Z	-1.425	-1.425	0	%100
69	MP3A	X	2.73	2.73	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,%]
70	MP3A	Z	-1.576	-1.576	0	%100
71	MP4A	X	2.468	2.468	0	%100
72	MP4A	Z	-1.425	-1.425	0	%100
73	MP5A	X	2.468	2.468	0	%100
74	MP5A	Z	-1.425	-1.425	0	%100
75	MP1C	X	2.468	2.468	0	%100
76	MP1C	Z	-1.425	-1.425	0	%100
77	MP2C	X	2.468	2.468	0	%100
78	MP2C	Z	-1.425	-1.425	0	%100
79	MP3C	X	2.73	2.73	0	%100
80	MP3C	Z	-1.576	-1.576	0	%100
81	MP5C	X	2.468	2.468	0	%100
82	MP5C	Z	-1.425	-1.425	0	%100
83	MP1B	X	2.468	2.468	0	%100
84	MP1B	Z	-1.425	-1.425	0	%100
85	MP2B	X	2.468	2.468	0	%100
86	MP2B	Z	-1.425	-1.425	0	%100
87	MP3B	X	2.73	2.73	0	%100
88	MP3B	Z	-1.576	-1.576	0	%100
89	MP5B	X	2.468	2.468	0	%100
90	MP5B	Z	-1.425	-1.425	0	%100
91	MP4C	X	2.468	2.468	0	%100
92	MP4C	Z	-1.425	-1.425	0	%100
93	MP4B	X	2.468	2.468	0	%100
94	MP4B	Z	-1.425	-1.425	0	%100
95	M104	X	.683	.683	0	%100
96	M104	Z	-.394	-.394	0	%100
97	M105	X	2.73	2.73	0	%100
98	M105	Z	-1.576	-1.576	0	%100
99	M106	X	.683	.683	0	%100
100	M106	Z	-.394	-.394	0	%100
101	M113	X	.644	.644	0	%100
102	M113	Z	-.372	-.372	0	%100
103	M114	X	.644	.644	0	%100
104	M114	Z	-.372	-.372	0	%100
105	M115	X	2.577	2.577	0	%100
106	M115	Z	-1.488	-1.488	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	MP1A	X	2.85	2.85	0	%100
4	MP1A	Z	0	0	0	%100
5	M28	X	0	0	0	%100
6	M28	Z	0	0	0	%100
7	M31	X	4.052	4.052	0	%100
8	M31	Z	0	0	0	%100
9	M34	X	4.052	4.052	0	%100
10	M34	Z	0	0	0	%100
11	M49	X	.88	.88	0	%100
12	M49	Z	0	0	0	%100
13	M52	X	.88	.88	0	%100
14	M52	Z	0	0	0	%100
15	M75	X	0	0	0	%100
16	M75	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,%]
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	M77A	X	2.356	2.356	0	%100
20	M77A	Z	0	0	0	%100
21	M66	X	.589	.589	0	%100
22	M66	Z	0	0	0	%100
23	M67	X	.589	.589	0	%100
24	M67	Z	0	0	0	%100
25	M73	X	3.587	3.587	0	%100
26	M73	Z	0	0	0	%100
27	M74	X	1.078	1.078	0	%100
28	M74	Z	0	0	0	%100
29	M75B	X	3.43	3.43	0	%100
30	M75B	Z	0	0	0	%100
31	M76	X	3.43	3.43	0	%100
32	M76	Z	0	0	0	%100
33	M77	X	.329	.329	0	%100
34	M77	Z	0	0	0	%100
35	M78B	X	.329	.329	0	%100
36	M78B	Z	0	0	0	%100
37	M79	X	.329	.329	0	%100
38	M79	Z	0	0	0	%100
39	M80	X	.329	.329	0	%100
40	M80	Z	0	0	0	%100
41	M81A	X	.329	.329	0	%100
42	M81A	Z	0	0	0	%100
43	M82A	X	.329	.329	0	%100
44	M82A	Z	0	0	0	%100
45	M83	X	.329	.329	0	%100
46	M83	Z	0	0	0	%100
47	M59	X	4.119	4.119	0	%100
48	M59	Z	0	0	0	%100
49	M63A	X	4.117	4.117	0	%100
50	M63A	Z	0	0	0	%100
51	M64A	X	4.115	4.115	0	%100
52	M64A	Z	0	0	0	%100
53	M68	X	4.119	4.119	0	%100
54	M68	Z	0	0	0	%100
55	M67A	X	3.007	3.007	0	%100
56	M67A	Z	0	0	0	%100
57	M68A	X	3.007	3.007	0	%100
58	M68A	Z	0	0	0	%100
59	M63B	X	0	0	0	%100
60	M63B	Z	0	0	0	%100
61	M66B	X	0	0	0	%100
62	M66B	Z	0	0	0	%100
63	M69	X	.88	.88	0	%100
64	M69	Z	0	0	0	%100
65	M72	X	.88	.88	0	%100
66	M72	Z	0	0	0	%100
67	MP2A	X	2.85	2.85	0	%100
68	MP2A	Z	0	0	0	%100
69	MP3A	X	3.152	3.152	0	%100
70	MP3A	Z	0	0	0	%100
71	MP4A	X	2.85	2.85	0	%100
72	MP4A	Z	0	0	0	%100
73	MP5A	X	2.85	2.85	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,%]
74	MP5A	Z	0	0	0	%100
75	MP1C	X	2.85	2.85	0	%100
76	MP1C	Z	0	0	0	%100
77	MP2C	X	2.85	2.85	0	%100
78	MP2C	Z	0	0	0	%100
79	MP3C	X	3.152	3.152	0	%100
80	MP3C	Z	0	0	0	%100
81	MP5C	X	2.85	2.85	0	%100
82	MP5C	Z	0	0	0	%100
83	MP1B	X	2.85	2.85	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	2.85	2.85	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	3.152	3.152	0	%100
88	MP3B	Z	0	0	0	%100
89	MP5B	X	2.85	2.85	0	%100
90	MP5B	Z	0	0	0	%100
91	MP4C	X	2.85	2.85	0	%100
92	MP4C	Z	0	0	0	%100
93	MP4B	X	2.85	2.85	0	%100
94	MP4B	Z	0	0	0	%100
95	M104	X	0	0	0	%100
96	M104	Z	0	0	0	%100
97	M105	X	2.364	2.364	0	%100
98	M105	Z	0	0	0	%100
99	M106	X	2.364	2.364	0	%100
100	M106	Z	0	0	0	%100
101	M113	X	2.232	2.232	0	%100
102	M113	Z	0	0	0	%100
103	M114	X	0	0	0	%100
104	M114	Z	0	0	0	%100
105	M115	X	2.232	2.232	0	%100
106	M115	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.188	1.188	0	%100
2	M1	Z	.686	.686	0	%100
3	MP1A	X	2.468	2.468	0	%100
4	MP1A	Z	1.425	1.425	0	%100
5	M28	X	1.17	1.17	0	%100
6	M28	Z	.675	.675	0	%100
7	M31	X	1.17	1.17	0	%100
8	M31	Z	.675	.675	0	%100
9	M34	X	4.679	4.679	0	%100
10	M34	Z	2.701	2.701	0	%100
11	M49	X	1.016	1.016	0	%100
12	M49	Z	.587	.587	0	%100
13	M52	X	1.016	1.016	0	%100
14	M52	Z	.587	.587	0	%100
15	M75	X	.868	.868	0	%100
16	M75	Z	.501	.501	0	%100
17	M78	X	1.188	1.188	0	%100
18	M78	Z	.686	.686	0	%100
19	M77A	X	1.53	1.53	0	%100
20	M77A	Z	.883	.883	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,%]
21	M66	X	1.53	1.53	0	%100
22	M66	Z	.883	.883	0	%100
23	M67	X	0	0	0	%100
24	M67	Z	0	0	0	%100
25	M73	X	4.142	4.142	0	%100
26	M73	Z	2.391	2.391	0	%100
27	M74	X	0	0	0	%100
28	M74	Z	0	0	0	%100
29	M75B	X	2.97	2.97	0	%100
30	M75B	Z	1.715	1.715	0	%100
31	M76	X	2.97	2.97	0	%100
32	M76	Z	1.715	1.715	0	%100
33	M77	X	0	0	0	%100
34	M77	Z	0	0	0	%100
35	M78B	X	0	0	0	%100
36	M78B	Z	0	0	0	%100
37	M79	X	0	0	0	%100
38	M79	Z	0	0	0	%100
39	M80	X	0	0	0	%100
40	M80	Z	0	0	0	%100
41	M81A	X	0	0	0	%100
42	M81A	Z	0	0	0	%100
43	M82A	X	0	0	0	%100
44	M82A	Z	0	0	0	%100
45	M83	X	0	0	0	%100
46	M83	Z	0	0	0	%100
47	M59	X	1.19	1.19	0	%100
48	M59	Z	.687	.687	0	%100
49	M63A	X	1.188	1.188	0	%100
50	M63A	Z	.686	.686	0	%100
51	M64A	X	4.754	4.754	0	%100
52	M64A	Z	2.745	2.745	0	%100
53	M68	X	4.754	4.754	0	%100
54	M68	Z	2.745	2.745	0	%100
55	M67A	X	.868	.868	0	%100
56	M67A	Z	.501	.501	0	%100
57	M68A	X	3.472	3.472	0	%100
58	M68A	Z	2.004	2.004	0	%100
59	M63B	X	.254	.254	0	%100
60	M63B	Z	.147	.147	0	%100
61	M66B	X	.254	.254	0	%100
62	M66B	Z	.147	.147	0	%100
63	M69	X	.254	.254	0	%100
64	M69	Z	.147	.147	0	%100
65	M72	X	.254	.254	0	%100
66	M72	Z	.147	.147	0	%100
67	MP2A	X	2.468	2.468	0	%100
68	MP2A	Z	1.425	1.425	0	%100
69	MP3A	X	2.73	2.73	0	%100
70	MP3A	Z	1.576	1.576	0	%100
71	MP4A	X	2.468	2.468	0	%100
72	MP4A	Z	1.425	1.425	0	%100
73	MP5A	X	2.468	2.468	0	%100
74	MP5A	Z	1.425	1.425	0	%100
75	MP1C	X	2.468	2.468	0	%100
76	MP1C	Z	1.425	1.425	0	%100
77	MP2C	X	2.468	2.468	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,%]
78	MP2C	Z	1.425	1.425	0	%100
79	MP3C	X	2.73	2.73	0	%100
80	MP3C	Z	1.576	1.576	0	%100
81	MP5C	X	2.468	2.468	0	%100
82	MP5C	Z	1.425	1.425	0	%100
83	MP1B	X	2.468	2.468	0	%100
84	MP1B	Z	1.425	1.425	0	%100
85	MP2B	X	2.468	2.468	0	%100
86	MP2B	Z	1.425	1.425	0	%100
87	MP3B	X	2.73	2.73	0	%100
88	MP3B	Z	1.576	1.576	0	%100
89	MP5B	X	2.468	2.468	0	%100
90	MP5B	Z	1.425	1.425	0	%100
91	MP4C	X	2.468	2.468	0	%100
92	MP4C	Z	1.425	1.425	0	%100
93	MP4B	X	2.468	2.468	0	%100
94	MP4B	Z	1.425	1.425	0	%100
95	M104	X	.683	.683	0	%100
96	M104	Z	.394	.394	0	%100
97	M105	X	.683	.683	0	%100
98	M105	Z	.394	.394	0	%100
99	M106	X	2.73	2.73	0	%100
100	M106	Z	1.576	1.576	0	%100
101	M113	X	2.577	2.577	0	%100
102	M113	Z	1.488	1.488	0	%100
103	M114	X	.644	.644	0	%100
104	M114	Z	.372	.372	0	%100
105	M115	X	.644	.644	0	%100
106	M115	Z	.372	.372	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	2.058	2.058	0	%100
2	M1	Z	3.565	3.565	0	%100
3	MP1A	X	1.425	1.425	0	%100
4	MP1A	Z	2.468	2.468	0	%100
5	M28	X	2.026	2.026	0	%100
6	M28	Z	3.509	3.509	0	%100
7	M31	X	0	0	0	%100
8	M31	Z	0	0	0	%100
9	M34	X	2.026	2.026	0	%100
10	M34	Z	3.509	3.509	0	%100
11	M49	X	.44	.44	0	%100
12	M49	Z	.762	.762	0	%100
13	M52	X	.44	.44	0	%100
14	M52	Z	.762	.762	0	%100
15	M75	X	1.503	1.503	0	%100
16	M75	Z	2.604	2.604	0	%100
17	M78	X	2.058	2.058	0	%100
18	M78	Z	3.565	3.565	0	%100
19	M77A	X	.294	.294	0	%100
20	M77A	Z	.51	.51	0	%100
21	M66	X	1.178	1.178	0	%100
22	M66	Z	2.04	2.04	0	%100
23	M67	X	.294	.294	0	%100
24	M67	Z	.51	.51	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,%]
25	M73	X	1.794	1.794	0	%100
26	M73	Z	3.107	3.107	0	%100
27	M74	X	.539	.539	0	%100
28	M74	Z	.933	.933	0	%100
29	M75B	X	1.715	1.715	0	%100
30	M75B	Z	2.97	2.97	0	%100
31	M76	X	1.715	1.715	0	%100
32	M76	Z	2.97	2.97	0	%100
33	M77	X	.165	.165	0	%100
34	M77	Z	.285	.285	0	%100
35	M78B	X	.165	.165	0	%100
36	M78B	Z	.285	.285	0	%100
37	M79	X	.165	.165	0	%100
38	M79	Z	.285	.285	0	%100
39	M80	X	.165	.165	0	%100
40	M80	Z	.285	.285	0	%100
41	M81A	X	.165	.165	0	%100
42	M81A	Z	.285	.285	0	%100
43	M82A	X	.165	.165	0	%100
44	M82A	Z	.285	.285	0	%100
45	M83	X	.165	.165	0	%100
46	M83	Z	.285	.285	0	%100
47	M59	X	0	0	0	%100
48	M59	Z	1e-6	1e-6	0	%100
49	M63A	X	0	0	0	%100
50	M63A	Z	0	0	0	%100
51	M64A	X	2.06	2.06	0	%100
52	M64A	Z	3.567	3.567	0	%100
53	M68	X	2.058	2.058	0	%100
54	M68	Z	3.564	3.564	0	%100
55	M67A	X	0	0	0	%100
56	M67A	Z	0	0	0	%100
57	M68A	X	1.503	1.503	0	%100
58	M68A	Z	2.604	2.604	0	%100
59	M63B	X	.44	.44	0	%100
60	M63B	Z	.762	.762	0	%100
61	M66B	X	.44	.44	0	%100
62	M66B	Z	.762	.762	0	%100
63	M69	X	0	0	0	%100
64	M69	Z	0	0	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	0	0	0	%100
67	MP2A	X	1.425	1.425	0	%100
68	MP2A	Z	2.468	2.468	0	%100
69	MP3A	X	1.576	1.576	0	%100
70	MP3A	Z	2.73	2.73	0	%100
71	MP4A	X	1.425	1.425	0	%100
72	MP4A	Z	2.468	2.468	0	%100
73	MP5A	X	1.425	1.425	0	%100
74	MP5A	Z	2.468	2.468	0	%100
75	MP1C	X	1.425	1.425	0	%100
76	MP1C	Z	2.468	2.468	0	%100
77	MP2C	X	1.425	1.425	0	%100
78	MP2C	Z	2.468	2.468	0	%100
79	MP3C	X	1.576	1.576	0	%100
80	MP3C	Z	2.73	2.73	0	%100
81	MP5C	X	1.425	1.425	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,%]
82	MP5C	Z	2.468	2.468	0	%100
83	MP1B	X	1.425	1.425	0	%100
84	MP1B	Z	2.468	2.468	0	%100
85	MP2B	X	1.425	1.425	0	%100
86	MP2B	Z	2.468	2.468	0	%100
87	MP3B	X	1.576	1.576	0	%100
88	MP3B	Z	2.73	2.73	0	%100
89	MP5B	X	1.425	1.425	0	%100
90	MP5B	Z	2.468	2.468	0	%100
91	MP4C	X	1.425	1.425	0	%100
92	MP4C	Z	2.468	2.468	0	%100
93	MP4B	X	1.425	1.425	0	%100
94	MP4B	Z	2.468	2.468	0	%100
95	M104	X	1.182	1.182	0	%100
96	M104	Z	2.048	2.048	0	%100
97	M105	X	0	0	0	%100
98	M105	Z	0	0	0	%100
99	M106	X	1.182	1.182	0	%100
100	M106	Z	2.048	2.048	0	%100
101	M113	X	1.116	1.116	0	%100
102	M113	Z	1.933	1.933	0	%100
103	M114	X	1.116	1.116	0	%100
104	M114	Z	1.933	1.933	0	%100
105	M115	X	0	0	0	%100
106	M115	Z	0	0	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	5.489	5.489	0	%100
3	MP1A	X	0	0	0	%100
4	MP1A	Z	2.85	2.85	0	%100
5	M28	X	0	0	0	%100
6	M28	Z	5.403	5.403	0	%100
7	M31	X	0	0	0	%100
8	M31	Z	1.351	1.351	0	%100
9	M34	X	0	0	0	%100
10	M34	Z	1.351	1.351	0	%100
11	M49	X	0	0	0	%100
12	M49	Z	.293	.293	0	%100
13	M52	X	0	0	0	%100
14	M52	Z	.293	.293	0	%100
15	M75	X	0	0	0	%100
16	M75	Z	4.009	4.009	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	5.489	5.489	0	%100
19	M77A	X	0	0	0	%100
20	M77A	Z	0	0	0	%100
21	M66	X	0	0	0	%100
22	M66	Z	1.767	1.767	0	%100
23	M67	X	0	0	0	%100
24	M67	Z	1.767	1.767	0	%100
25	M73	X	0	0	0	%100
26	M73	Z	1.196	1.196	0	%100
27	M74	X	0	0	0	%100
28	M74	Z	3.234	3.234	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,%]
29	M75B	X	0	0	0	%100
30	M75B	Z	3.43	3.43	0	%100
31	M76	X	0	0	0	%100
32	M76	Z	3.43	3.43	0	%100
33	M77	X	0	0	0	%100
34	M77	Z	.987	.987	0	%100
35	M78B	X	0	0	0	%100
36	M78B	Z	.987	.987	0	%100
37	M79	X	0	0	0	%100
38	M79	Z	.987	.987	0	%100
39	M80	X	0	0	0	%100
40	M80	Z	.987	.987	0	%100
41	M81A	X	0	0	0	%100
42	M81A	Z	.987	.987	0	%100
43	M82A	X	0	0	0	%100
44	M82A	Z	.987	.987	0	%100
45	M83	X	0	0	0	%100
46	M83	Z	.987	.987	0	%100
47	M59	X	0	0	0	%100
48	M59	Z	1.371	1.371	0	%100
49	M63A	X	0	0	0	%100
50	M63A	Z	1.372	1.372	0	%100
51	M64A	X	0	0	0	%100
52	M64A	Z	1.374	1.374	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	1.371	1.371	0	%100
55	M67A	X	0	0	0	%100
56	M67A	Z	1.002	1.002	0	%100
57	M68A	X	0	0	0	%100
58	M68A	Z	1.002	1.002	0	%100
59	M63B	X	0	0	0	%100
60	M63B	Z	1.173	1.173	0	%100
61	M66B	X	0	0	0	%100
62	M66B	Z	1.173	1.173	0	%100
63	M69	X	0	0	0	%100
64	M69	Z	.293	.293	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	.293	.293	0	%100
67	MP2A	X	0	0	0	%100
68	MP2A	Z	2.85	2.85	0	%100
69	MP3A	X	0	0	0	%100
70	MP3A	Z	3.152	3.152	0	%100
71	MP4A	X	0	0	0	%100
72	MP4A	Z	2.85	2.85	0	%100
73	MP5A	X	0	0	0	%100
74	MP5A	Z	2.85	2.85	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	2.85	2.85	0	%100
77	MP2C	X	0	0	0	%100
78	MP2C	Z	2.85	2.85	0	%100
79	MP3C	X	0	0	0	%100
80	MP3C	Z	3.152	3.152	0	%100
81	MP5C	X	0	0	0	%100
82	MP5C	Z	2.85	2.85	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	2.85	2.85	0	%100
85	MP2B	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,%]
86	MP2B	Z	2.85	2.85	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	3.152	3.152	0	%100
89	MP5B	X	0	0	0	%100
90	MP5B	Z	2.85	2.85	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	2.85	2.85	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	2.85	2.85	0	%100
95	M104	X	0	0	0	%100
96	M104	Z	3.152	3.152	0	%100
97	M105	X	0	0	0	%100
98	M105	Z	.788	.788	0	%100
99	M106	X	0	0	0	%100
100	M106	Z	.788	.788	0	%100
101	M113	X	0	0	0	%100
102	M113	Z	.744	.744	0	%100
103	M114	X	0	0	0	%100
104	M114	Z	2.975	2.975	0	%100
105	M115	X	0	0	0	%100
106	M115	Z	.744	.744	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.058	-2.058	0	%100
2	M1	Z	3.565	3.565	0	%100
3	MP1A	X	-1.425	-1.425	0	%100
4	MP1A	Z	2.468	2.468	0	%100
5	M28	X	-2.026	-2.026	0	%100
6	M28	Z	3.509	3.509	0	%100
7	M31	X	-2.026	-2.026	0	%100
8	M31	Z	3.509	3.509	0	%100
9	M34	X	0	0	0	%100
10	M34	Z	0	0	0	%100
11	M49	X	0	0	0	%100
12	M49	Z	0	0	0	%100
13	M52	X	0	0	0	%100
14	M52	Z	0	0	0	%100
15	M75	X	-1.503	-1.503	0	%100
16	M75	Z	2.604	2.604	0	%100
17	M78	X	-2.058	-2.058	0	%100
18	M78	Z	3.565	3.565	0	%100
19	M77A	X	-.294	-.294	0	%100
20	M77A	Z	.51	.51	0	%100
21	M66	X	-.294	-.294	0	%100
22	M66	Z	.51	.51	0	%100
23	M67	X	-1.178	-1.178	0	%100
24	M67	Z	2.04	2.04	0	%100
25	M73	X	0	0	0	%100
26	M73	Z	0	0	0	%100
27	M74	X	-2.156	-2.156	0	%100
28	M74	Z	3.734	3.734	0	%100
29	M75B	X	-1.715	-1.715	0	%100
30	M75B	Z	2.97	2.97	0	%100
31	M76	X	-1.715	-1.715	0	%100
32	M76	Z	2.97	2.97	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,%]
33	M77	X	-.658	-.658	0	%100
34	M77	Z	1.14	1.14	0	%100
35	M78B	X	-.658	-.658	0	%100
36	M78B	Z	1.14	1.14	0	%100
37	M79	X	-.658	-.658	0	%100
38	M79	Z	1.14	1.14	0	%100
39	M80	X	-.658	-.658	0	%100
40	M80	Z	1.14	1.14	0	%100
41	M81A	X	-.658	-.658	0	%100
42	M81A	Z	1.14	1.14	0	%100
43	M82A	X	-.658	-.658	0	%100
44	M82A	Z	1.14	1.14	0	%100
45	M83	X	-.658	-.658	0	%100
46	M83	Z	1.14	1.14	0	%100
47	M59	X	-2.058	-2.058	0	%100
48	M59	Z	3.564	3.564	0	%100
49	M63A	X	-2.058	-2.058	0	%100
50	M63A	Z	3.565	3.565	0	%100
51	M64A	X	0	0	0	%100
52	M64A	Z	1e-6	1e-6	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	1e-6	1e-6	0	%100
55	M67A	X	-1.503	-1.503	0	%100
56	M67A	Z	2.604	2.604	0	%100
57	M68A	X	0	0	0	%100
58	M68A	Z	0	0	0	%100
59	M63B	X	-.44	-.44	0	%100
60	M63B	Z	.762	.762	0	%100
61	M66B	X	-.44	-.44	0	%100
62	M66B	Z	.762	.762	0	%100
63	M69	X	-.44	-.44	0	%100
64	M69	Z	.762	.762	0	%100
65	M72	X	-.44	-.44	0	%100
66	M72	Z	.762	.762	0	%100
67	MP2A	X	-1.425	-1.425	0	%100
68	MP2A	Z	2.468	2.468	0	%100
69	MP3A	X	-1.576	-1.576	0	%100
70	MP3A	Z	2.73	2.73	0	%100
71	MP4A	X	-1.425	-1.425	0	%100
72	MP4A	Z	2.468	2.468	0	%100
73	MP5A	X	-1.425	-1.425	0	%100
74	MP5A	Z	2.468	2.468	0	%100
75	MP1C	X	-1.425	-1.425	0	%100
76	MP1C	Z	2.468	2.468	0	%100
77	MP2C	X	-1.425	-1.425	0	%100
78	MP2C	Z	2.468	2.468	0	%100
79	MP3C	X	-1.576	-1.576	0	%100
80	MP3C	Z	2.73	2.73	0	%100
81	MP5C	X	-1.425	-1.425	0	%100
82	MP5C	Z	2.468	2.468	0	%100
83	MP1B	X	-1.425	-1.425	0	%100
84	MP1B	Z	2.468	2.468	0	%100
85	MP2B	X	-1.425	-1.425	0	%100
86	MP2B	Z	2.468	2.468	0	%100
87	MP3B	X	-1.576	-1.576	0	%100
88	MP3B	Z	2.73	2.73	0	%100
89	MP5B	X	-1.425	-1.425	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,%]
90	MP5B	Z	2.468	2.468	0	%100
91	MP4C	X	-1.425	-1.425	0	%100
92	MP4C	Z	2.468	2.468	0	%100
93	MP4B	X	-1.425	-1.425	0	%100
94	MP4B	Z	2.468	2.468	0	%100
95	M104	X	-1.182	-1.182	0	%100
96	M104	Z	2.048	2.048	0	%100
97	M105	X	-1.182	-1.182	0	%100
98	M105	Z	2.048	2.048	0	%100
99	M106	X	0	0	0	%100
100	M106	Z	0	0	0	%100
101	M113	X	0	0	0	%100
102	M113	Z	0	0	0	%100
103	M114	X	-1.116	-1.116	0	%100
104	M114	Z	1.933	1.933	0	%100
105	M115	X	-1.116	-1.116	0	%100
106	M115	Z	1.933	1.933	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	-1.188	-1.188	0	%100
2	M1	Z	.686	.686	0	%100
3	MP1A	X	-2.468	-2.468	0	%100
4	MP1A	Z	1.425	1.425	0	%100
5	M28	X	-1.17	-1.17	0	%100
6	M28	Z	.675	.675	0	%100
7	M31	X	-4.679	-4.679	0	%100
8	M31	Z	2.701	2.701	0	%100
9	M34	X	-1.17	-1.17	0	%100
10	M34	Z	.675	.675	0	%100
11	M49	X	-.254	-.254	0	%100
12	M49	Z	.147	.147	0	%100
13	M52	X	-.254	-.254	0	%100
14	M52	Z	.147	.147	0	%100
15	M75	X	-.868	-.868	0	%100
16	M75	Z	.501	.501	0	%100
17	M78	X	-1.188	-1.188	0	%100
18	M78	Z	.686	.686	0	%100
19	M77A	X	-1.53	-1.53	0	%100
20	M77A	Z	.883	.883	0	%100
21	M66	X	0	0	0	%100
22	M66	Z	0	0	0	%100
23	M67	X	-1.53	-1.53	0	%100
24	M67	Z	.883	.883	0	%100
25	M73	X	-1.036	-1.036	0	%100
26	M73	Z	.598	.598	0	%100
27	M74	X	-2.8	-2.8	0	%100
28	M74	Z	1.617	1.617	0	%100
29	M75B	X	-2.97	-2.97	0	%100
30	M75B	Z	1.715	1.715	0	%100
31	M76	X	-2.97	-2.97	0	%100
32	M76	Z	1.715	1.715	0	%100
33	M77	X	-.855	-.855	0	%100
34	M77	Z	.494	.494	0	%100
35	M78B	X	-.855	-.855	0	%100
36	M78B	Z	.494	.494	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,%]
37	M79	X	-.855	-.855	0	%100
38	M79	Z	.494	.494	0	%100
39	M80	X	-.855	-.855	0	%100
40	M80	Z	.494	.494	0	%100
41	M81A	X	-.855	-.855	0	%100
42	M81A	Z	.494	.494	0	%100
43	M82A	X	-.855	-.855	0	%100
44	M82A	Z	.494	.494	0	%100
45	M83	X	-.855	-.855	0	%100
46	M83	Z	.494	.494	0	%100
47	M59	X	-4.754	-4.754	0	%100
48	M59	Z	2.745	2.745	0	%100
49	M63A	X	-4.754	-4.754	0	%100
50	M63A	Z	2.745	2.745	0	%100
51	M64A	X	-1.187	-1.187	0	%100
52	M64A	Z	.685	.685	0	%100
53	M68	X	-1.19	-1.19	0	%100
54	M68	Z	.687	.687	0	%100
55	M67A	X	-3.472	-3.472	0	%100
56	M67A	Z	2.004	2.004	0	%100
57	M68A	X	-.868	-.868	0	%100
58	M68A	Z	.501	.501	0	%100
59	M63B	X	-.254	-.254	0	%100
60	M63B	Z	.147	.147	0	%100
61	M66B	X	-.254	-.254	0	%100
62	M66B	Z	.147	.147	0	%100
63	M69	X	-1.016	-1.016	0	%100
64	M69	Z	.587	.587	0	%100
65	M72	X	-1.016	-1.016	0	%100
66	M72	Z	.587	.587	0	%100
67	MP2A	X	-2.468	-2.468	0	%100
68	MP2A	Z	1.425	1.425	0	%100
69	MP3A	X	-2.73	-2.73	0	%100
70	MP3A	Z	1.576	1.576	0	%100
71	MP4A	X	-2.468	-2.468	0	%100
72	MP4A	Z	1.425	1.425	0	%100
73	MP5A	X	-2.468	-2.468	0	%100
74	MP5A	Z	1.425	1.425	0	%100
75	MP1C	X	-2.468	-2.468	0	%100
76	MP1C	Z	1.425	1.425	0	%100
77	MP2C	X	-2.468	-2.468	0	%100
78	MP2C	Z	1.425	1.425	0	%100
79	MP3C	X	-2.73	-2.73	0	%100
80	MP3C	Z	1.576	1.576	0	%100
81	MP5C	X	-2.468	-2.468	0	%100
82	MP5C	Z	1.425	1.425	0	%100
83	MP1B	X	-2.468	-2.468	0	%100
84	MP1B	Z	1.425	1.425	0	%100
85	MP2B	X	-2.468	-2.468	0	%100
86	MP2B	Z	1.425	1.425	0	%100
87	MP3B	X	-2.73	-2.73	0	%100
88	MP3B	Z	1.576	1.576	0	%100
89	MP5B	X	-2.468	-2.468	0	%100
90	MP5B	Z	1.425	1.425	0	%100
91	MP4C	X	-2.468	-2.468	0	%100
92	MP4C	Z	1.425	1.425	0	%100
93	MP4B	X	-2.468	-2.468	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,%]
94	MP4B	Z	1.425	1.425	0	%100
95	M104	X	-.683	-.683	0	%100
96	M104	Z	.394	.394	0	%100
97	M105	X	-2.73	-2.73	0	%100
98	M105	Z	1.576	1.576	0	%100
99	M106	X	-.683	-.683	0	%100
100	M106	Z	.394	.394	0	%100
101	M113	X	-.644	-.644	0	%100
102	M113	Z	.372	.372	0	%100
103	M114	X	-.644	-.644	0	%100
104	M114	Z	.372	.372	0	%100
105	M115	X	-2.577	-2.577	0	%100
106	M115	Z	1.488	1.488	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	MP1A	X	-2.85	-2.85	0	%100
4	MP1A	Z	0	0	0	%100
5	M28	X	0	0	0	%100
6	M28	Z	0	0	0	%100
7	M31	X	-4.052	-4.052	0	%100
8	M31	Z	0	0	0	%100
9	M34	X	-4.052	-4.052	0	%100
10	M34	Z	0	0	0	%100
11	M49	X	-.88	-.88	0	%100
12	M49	Z	0	0	0	%100
13	M52	X	-.88	-.88	0	%100
14	M52	Z	0	0	0	%100
15	M75	X	0	0	0	%100
16	M75	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	M77A	X	-2.356	-2.356	0	%100
20	M77A	Z	0	0	0	%100
21	M66	X	-.589	-.589	0	%100
22	M66	Z	0	0	0	%100
23	M67	X	-.589	-.589	0	%100
24	M67	Z	0	0	0	%100
25	M73	X	-3.587	-3.587	0	%100
26	M73	Z	0	0	0	%100
27	M74	X	-1.078	-1.078	0	%100
28	M74	Z	0	0	0	%100
29	M75B	X	-3.43	-3.43	0	%100
30	M75B	Z	0	0	0	%100
31	M76	X	-3.43	-3.43	0	%100
32	M76	Z	0	0	0	%100
33	M77	X	-.329	-.329	0	%100
34	M77	Z	0	0	0	%100
35	M78B	X	-.329	-.329	0	%100
36	M78B	Z	0	0	0	%100
37	M79	X	-.329	-.329	0	%100
38	M79	Z	0	0	0	%100
39	M80	X	-.329	-.329	0	%100
40	M80	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	M81A	X	-.329	-.329	0	%100
42	M81A	Z	0	0	0	%100
43	M82A	X	-.329	-.329	0	%100
44	M82A	Z	0	0	0	%100
45	M83	X	-.329	-.329	0	%100
46	M83	Z	0	0	0	%100
47	M59	X	-4.119	-4.119	0	%100
48	M59	Z	0	0	0	%100
49	M63A	X	-4.117	-4.117	0	%100
50	M63A	Z	0	0	0	%100
51	M64A	X	-4.115	-4.115	0	%100
52	M64A	Z	0	0	0	%100
53	M68	X	-4.119	-4.119	0	%100
54	M68	Z	0	0	0	%100
55	M67A	X	-3.007	-3.007	0	%100
56	M67A	Z	0	0	0	%100
57	M68A	X	-3.007	-3.007	0	%100
58	M68A	Z	0	0	0	%100
59	M63B	X	0	0	0	%100
60	M63B	Z	0	0	0	%100
61	M66B	X	0	0	0	%100
62	M66B	Z	0	0	0	%100
63	M69	X	-.88	-.88	0	%100
64	M69	Z	0	0	0	%100
65	M72	X	-.88	-.88	0	%100
66	M72	Z	0	0	0	%100
67	MP2A	X	-2.85	-2.85	0	%100
68	MP2A	Z	0	0	0	%100
69	MP3A	X	-3.152	-3.152	0	%100
70	MP3A	Z	0	0	0	%100
71	MP4A	X	-2.85	-2.85	0	%100
72	MP4A	Z	0	0	0	%100
73	MP5A	X	-2.85	-2.85	0	%100
74	MP5A	Z	0	0	0	%100
75	MP1C	X	-2.85	-2.85	0	%100
76	MP1C	Z	0	0	0	%100
77	MP2C	X	-2.85	-2.85	0	%100
78	MP2C	Z	0	0	0	%100
79	MP3C	X	-3.152	-3.152	0	%100
80	MP3C	Z	0	0	0	%100
81	MP5C	X	-2.85	-2.85	0	%100
82	MP5C	Z	0	0	0	%100
83	MP1B	X	-2.85	-2.85	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	-2.85	-2.85	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	-3.152	-3.152	0	%100
88	MP3B	Z	0	0	0	%100
89	MP5B	X	-2.85	-2.85	0	%100
90	MP5B	Z	0	0	0	%100
91	MP4C	X	-2.85	-2.85	0	%100
92	MP4C	Z	0	0	0	%100
93	MP4B	X	-2.85	-2.85	0	%100
94	MP4B	Z	0	0	0	%100
95	M104	X	0	0	0	%100
96	M104	Z	0	0	0	%100
97	M105	X	-2.364	-2.364	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,%]
98	M105	Z	0	0	0	%100
99	M106	X	-2.364	-2.364	0	%100
100	M106	Z	0	0	0	%100
101	M113	X	-2.232	-2.232	0	%100
102	M113	Z	0	0	0	%100
103	M114	X	0	0	0	%100
104	M114	Z	0	0	0	%100
105	M115	X	-2.232	-2.232	0	%100
106	M115	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.188	-1.188	0	%100
2	M1	Z	-.686	-.686	0	%100
3	MP1A	X	-2.468	-2.468	0	%100
4	MP1A	Z	-1.425	-1.425	0	%100
5	M28	X	-1.17	-1.17	0	%100
6	M28	Z	-.675	-.675	0	%100
7	M31	X	-1.17	-1.17	0	%100
8	M31	Z	-.675	-.675	0	%100
9	M34	X	-4.679	-4.679	0	%100
10	M34	Z	-2.701	-2.701	0	%100
11	M49	X	-1.016	-1.016	0	%100
12	M49	Z	-.587	-.587	0	%100
13	M52	X	-1.016	-1.016	0	%100
14	M52	Z	-.587	-.587	0	%100
15	M75	X	-.868	-.868	0	%100
16	M75	Z	-.501	-.501	0	%100
17	M78	X	-1.188	-1.188	0	%100
18	M78	Z	-.686	-.686	0	%100
19	M77A	X	-1.53	-1.53	0	%100
20	M77A	Z	-.883	-.883	0	%100
21	M66	X	-1.53	-1.53	0	%100
22	M66	Z	-.883	-.883	0	%100
23	M67	X	0	0	0	%100
24	M67	Z	0	0	0	%100
25	M73	X	-4.142	-4.142	0	%100
26	M73	Z	-2.391	-2.391	0	%100
27	M74	X	0	0	0	%100
28	M74	Z	0	0	0	%100
29	M75B	X	-2.97	-2.97	0	%100
30	M75B	Z	-1.715	-1.715	0	%100
31	M76	X	-2.97	-2.97	0	%100
32	M76	Z	-1.715	-1.715	0	%100
33	M77	X	0	0	0	%100
34	M77	Z	0	0	0	%100
35	M78B	X	0	0	0	%100
36	M78B	Z	0	0	0	%100
37	M79	X	0	0	0	%100
38	M79	Z	0	0	0	%100
39	M80	X	0	0	0	%100
40	M80	Z	0	0	0	%100
41	M81A	X	0	0	0	%100
42	M81A	Z	0	0	0	%100
43	M82A	X	0	0	0	%100
44	M82A	Z	0	0	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,%]
45	M83	X	0	0	0	%100
46	M83	Z	0	0	0	%100
47	M59	X	-1.19	-1.19	0	%100
48	M59	Z	-.687	-.687	0	%100
49	M63A	X	-1.188	-1.188	0	%100
50	M63A	Z	-.686	-.686	0	%100
51	M64A	X	-4.754	-4.754	0	%100
52	M64A	Z	-2.745	-2.745	0	%100
53	M68	X	-4.754	-4.754	0	%100
54	M68	Z	-2.745	-2.745	0	%100
55	M67A	X	-.868	-.868	0	%100
56	M67A	Z	-.501	-.501	0	%100
57	M68A	X	-3.472	-3.472	0	%100
58	M68A	Z	-2.004	-2.004	0	%100
59	M63B	X	-.254	-.254	0	%100
60	M63B	Z	-.147	-.147	0	%100
61	M66B	X	-.254	-.254	0	%100
62	M66B	Z	-.147	-.147	0	%100
63	M69	X	-.254	-.254	0	%100
64	M69	Z	-.147	-.147	0	%100
65	M72	X	-.254	-.254	0	%100
66	M72	Z	-.147	-.147	0	%100
67	MP2A	X	-2.468	-2.468	0	%100
68	MP2A	Z	-1.425	-1.425	0	%100
69	MP3A	X	-2.73	-2.73	0	%100
70	MP3A	Z	-1.576	-1.576	0	%100
71	MP4A	X	-2.468	-2.468	0	%100
72	MP4A	Z	-1.425	-1.425	0	%100
73	MP5A	X	-2.468	-2.468	0	%100
74	MP5A	Z	-1.425	-1.425	0	%100
75	MP1C	X	-2.468	-2.468	0	%100
76	MP1C	Z	-1.425	-1.425	0	%100
77	MP2C	X	-2.468	-2.468	0	%100
78	MP2C	Z	-1.425	-1.425	0	%100
79	MP3C	X	-2.73	-2.73	0	%100
80	MP3C	Z	-1.576	-1.576	0	%100
81	MP5C	X	-2.468	-2.468	0	%100
82	MP5C	Z	-1.425	-1.425	0	%100
83	MP1B	X	-2.468	-2.468	0	%100
84	MP1B	Z	-1.425	-1.425	0	%100
85	MP2B	X	-2.468	-2.468	0	%100
86	MP2B	Z	-1.425	-1.425	0	%100
87	MP3B	X	-2.73	-2.73	0	%100
88	MP3B	Z	-1.576	-1.576	0	%100
89	MP5B	X	-2.468	-2.468	0	%100
90	MP5B	Z	-1.425	-1.425	0	%100
91	MP4C	X	-2.468	-2.468	0	%100
92	MP4C	Z	-1.425	-1.425	0	%100
93	MP4B	X	-2.468	-2.468	0	%100
94	MP4B	Z	-1.425	-1.425	0	%100
95	M104	X	-.683	-.683	0	%100
96	M104	Z	-.394	-.394	0	%100
97	M105	X	-.683	-.683	0	%100
98	M105	Z	-.394	-.394	0	%100
99	M106	X	-2.73	-2.73	0	%100
100	M106	Z	-1.576	-1.576	0	%100
101	M113	X	-2.577	-2.577	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,%]
102	M113	Z	-1.488	-1.488	0	%100
103	M114	X	-.644	-.644	0	%100
104	M114	Z	-.372	-.372	0	%100
105	M115	X	-.644	-.644	0	%100
106	M115	Z	-.372	-.372	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	-2.058	-2.058	0	%100
2	M1	Z	-3.565	-3.565	0	%100
3	MP1A	X	-1.425	-1.425	0	%100
4	MP1A	Z	-2.468	-2.468	0	%100
5	M28	X	-2.026	-2.026	0	%100
6	M28	Z	-3.509	-3.509	0	%100
7	M31	X	0	0	0	%100
8	M31	Z	0	0	0	%100
9	M34	X	-2.026	-2.026	0	%100
10	M34	Z	-3.509	-3.509	0	%100
11	M49	X	-.44	-.44	0	%100
12	M49	Z	-.762	-.762	0	%100
13	M52	X	-.44	-.44	0	%100
14	M52	Z	-.762	-.762	0	%100
15	M75	X	-1.503	-1.503	0	%100
16	M75	Z	-2.604	-2.604	0	%100
17	M78	X	-2.058	-2.058	0	%100
18	M78	Z	-3.565	-3.565	0	%100
19	M77A	X	-.294	-.294	0	%100
20	M77A	Z	-.51	-.51	0	%100
21	M66	X	-1.178	-1.178	0	%100
22	M66	Z	-2.04	-2.04	0	%100
23	M67	X	-.294	-.294	0	%100
24	M67	Z	-.51	-.51	0	%100
25	M73	X	-1.794	-1.794	0	%100
26	M73	Z	-3.107	-3.107	0	%100
27	M74	X	-.539	-.539	0	%100
28	M74	Z	-.933	-.933	0	%100
29	M75B	X	-1.715	-1.715	0	%100
30	M75B	Z	-2.97	-2.97	0	%100
31	M76	X	-1.715	-1.715	0	%100
32	M76	Z	-2.97	-2.97	0	%100
33	M77	X	-.165	-.165	0	%100
34	M77	Z	-.285	-.285	0	%100
35	M78B	X	-.165	-.165	0	%100
36	M78B	Z	-.285	-.285	0	%100
37	M79	X	-.165	-.165	0	%100
38	M79	Z	-.285	-.285	0	%100
39	M80	X	-.165	-.165	0	%100
40	M80	Z	-.285	-.285	0	%100
41	M81A	X	-.165	-.165	0	%100
42	M81A	Z	-.285	-.285	0	%100
43	M82A	X	-.165	-.165	0	%100
44	M82A	Z	-.285	-.285	0	%100
45	M83	X	-.165	-.165	0	%100
46	M83	Z	-.285	-.285	0	%100
47	M59	X	0	0	0	%100
48	M59	Z	-1e-6	-1e-6	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,%]
49	M63A	X	0	0	0	%100
50	M63A	Z	0	0	0	%100
51	M64A	X	-2.06	-2.06	0	%100
52	M64A	Z	-3.567	-3.567	0	%100
53	M68	X	-2.058	-2.058	0	%100
54	M68	Z	-3.564	-3.564	0	%100
55	M67A	X	0	0	0	%100
56	M67A	Z	0	0	0	%100
57	M68A	X	-1.503	-1.503	0	%100
58	M68A	Z	-2.604	-2.604	0	%100
59	M63B	X	-.44	-.44	0	%100
60	M63B	Z	-.762	-.762	0	%100
61	M66B	X	-.44	-.44	0	%100
62	M66B	Z	-.762	-.762	0	%100
63	M69	X	0	0	0	%100
64	M69	Z	0	0	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	0	0	0	%100
67	MP2A	X	-1.425	-1.425	0	%100
68	MP2A	Z	-2.468	-2.468	0	%100
69	MP3A	X	-1.576	-1.576	0	%100
70	MP3A	Z	-2.73	-2.73	0	%100
71	MP4A	X	-1.425	-1.425	0	%100
72	MP4A	Z	-2.468	-2.468	0	%100
73	MP5A	X	-1.425	-1.425	0	%100
74	MP5A	Z	-2.468	-2.468	0	%100
75	MP1C	X	-1.425	-1.425	0	%100
76	MP1C	Z	-2.468	-2.468	0	%100
77	MP2C	X	-1.425	-1.425	0	%100
78	MP2C	Z	-2.468	-2.468	0	%100
79	MP3C	X	-1.576	-1.576	0	%100
80	MP3C	Z	-2.73	-2.73	0	%100
81	MP5C	X	-1.425	-1.425	0	%100
82	MP5C	Z	-2.468	-2.468	0	%100
83	MP1B	X	-1.425	-1.425	0	%100
84	MP1B	Z	-2.468	-2.468	0	%100
85	MP2B	X	-1.425	-1.425	0	%100
86	MP2B	Z	-2.468	-2.468	0	%100
87	MP3B	X	-1.576	-1.576	0	%100
88	MP3B	Z	-2.73	-2.73	0	%100
89	MP5B	X	-1.425	-1.425	0	%100
90	MP5B	Z	-2.468	-2.468	0	%100
91	MP4C	X	-1.425	-1.425	0	%100
92	MP4C	Z	-2.468	-2.468	0	%100
93	MP4B	X	-1.425	-1.425	0	%100
94	MP4B	Z	-2.468	-2.468	0	%100
95	M104	X	-1.182	-1.182	0	%100
96	M104	Z	-2.048	-2.048	0	%100
97	M105	X	0	0	0	%100
98	M105	Z	0	0	0	%100
99	M106	X	-1.182	-1.182	0	%100
100	M106	Z	-2.048	-2.048	0	%100
101	M113	X	-1.116	-1.116	0	%100
102	M113	Z	-1.933	-1.933	0	%100
103	M114	X	-1.116	-1.116	0	%100
104	M114	Z	-1.933	-1.933	0	%100
105	M115	X	0	0	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,%]
106	M115	Z	0	0	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	-1.468	-1.468	0	%100
3	MP1A	X	0	0	0	%100
4	MP1A	Z	-.517	-.517	0	%100
5	M28	X	0	0	0	%100
6	M28	Z	-1.436	-1.436	0	%100
7	M31	X	0	0	0	%100
8	M31	Z	-.359	-.359	0	%100
9	M34	X	0	0	0	%100
10	M34	Z	-.359	-.359	0	%100
11	M49	X	0	0	0	%100
12	M49	Z	-.027	-.027	0	%100
13	M52	X	0	0	0	%100
14	M52	Z	-.027	-.027	0	%100
15	M75	X	0	0	0	%100
16	M75	Z	-1.11	-1.11	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	-1.468	-1.468	0	%100
19	M77A	X	0	0	0	%100
20	M77A	Z	0	0	0	%100
21	M66	X	0	0	0	%100
22	M66	Z	-.368	-.368	0	%100
23	M67	X	0	0	0	%100
24	M67	Z	-.368	-.368	0	%100
25	M73	X	0	0	0	%100
26	M73	Z	-.323	-.323	0	%100
27	M74	X	0	0	0	%100
28	M74	Z	-.887	-.887	0	%100
29	M75B	X	0	0	0	%100
30	M75B	Z	-.726	-.726	0	%100
31	M76	X	0	0	0	%100
32	M76	Z	-.726	-.726	0	%100
33	M77	X	0	0	0	%100
34	M77	Z	-.108	-.108	0	%100
35	M78B	X	0	0	0	%100
36	M78B	Z	-.108	-.108	0	%100
37	M79	X	0	0	0	%100
38	M79	Z	-.108	-.108	0	%100
39	M80	X	0	0	0	%100
40	M80	Z	-.108	-.108	0	%100
41	M81A	X	0	0	0	%100
42	M81A	Z	-.108	-.108	0	%100
43	M82A	X	0	0	0	%100
44	M82A	Z	-.108	-.108	0	%100
45	M83	X	0	0	0	%100
46	M83	Z	-.108	-.108	0	%100
47	M59	X	0	0	0	%100
48	M59	Z	-.366	-.366	0	%100
49	M63A	X	0	0	0	%100
50	M63A	Z	-.367	-.367	0	%100
51	M64A	X	0	0	0	%100
52	M64A	Z	-.367	-.367	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,%]
53	M68	X	0	0	0	%100
54	M68	Z	-.366	-.366	0	%100
55	M67A	X	0	0	0	%100
56	M67A	Z	-.277	-.277	0	%100
57	M68A	X	0	0	0	%100
58	M68A	Z	-.277	-.277	0	%100
59	M63B	X	0	0	0	%100
60	M63B	Z	-.109	-.109	0	%100
61	M66B	X	0	0	0	%100
62	M66B	Z	-.109	-.109	0	%100
63	M69	X	0	0	0	%100
64	M69	Z	-.027	-.027	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	-.027	-.027	0	%100
67	MP2A	X	0	0	0	%100
68	MP2A	Z	-.517	-.517	0	%100
69	MP3A	X	0	0	0	%100
70	MP3A	Z	-.626	-.626	0	%100
71	MP4A	X	0	0	0	%100
72	MP4A	Z	-.517	-.517	0	%100
73	MP5A	X	0	0	0	%100
74	MP5A	Z	-.517	-.517	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-.517	-.517	0	%100
77	MP2C	X	0	0	0	%100
78	MP2C	Z	-.517	-.517	0	%100
79	MP3C	X	0	0	0	%100
80	MP3C	Z	-.626	-.626	0	%100
81	MP5C	X	0	0	0	%100
82	MP5C	Z	-.517	-.517	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	-.517	-.517	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	-.517	-.517	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	-.626	-.626	0	%100
89	MP5B	X	0	0	0	%100
90	MP5B	Z	-.517	-.517	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-.517	-.517	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	-.517	-.517	0	%100
95	M104	X	0	0	0	%100
96	M104	Z	-.626	-.626	0	%100
97	M105	X	0	0	0	%100
98	M105	Z	-.157	-.157	0	%100
99	M106	X	0	0	0	%100
100	M106	Z	-.157	-.157	0	%100
101	M113	X	0	0	0	%100
102	M113	Z	-.182	-.182	0	%100
103	M114	X	0	0	0	%100
104	M114	Z	-.73	-.73	0	%100
105	M115	X	0	0	0	%100
106	M115	Z	-.182	-.182	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,%]

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,%]
1	M1	X	.55	.55	0	%100
2	M1	Z	-.953	-.953	0	%100
3	MP1A	X	.259	.259	0	%100
4	MP1A	Z	-.448	-.448	0	%100
5	M28	X	.539	.539	0	%100
6	M28	Z	-.933	-.933	0	%100
7	M31	X	.539	.539	0	%100
8	M31	Z	-.933	-.933	0	%100
9	M34	X	0	0	0	%100
10	M34	Z	0	0	0	%100
11	M49	X	0	0	0	%100
12	M49	Z	0	0	0	%100
13	M52	X	0	0	0	%100
14	M52	Z	0	0	0	%100
15	M75	X	.416	.416	0	%100
16	M75	Z	-.721	-.721	0	%100
17	M78	X	.55	.55	0	%100
18	M78	Z	-.953	-.953	0	%100
19	M77A	X	.061	.061	0	%100
20	M77A	Z	-.106	-.106	0	%100
21	M66	X	.061	.061	0	%100
22	M66	Z	-.106	-.106	0	%100
23	M67	X	.245	.245	0	%100
24	M67	Z	-.425	-.425	0	%100
25	M73	X	0	0	0	%100
26	M73	Z	0	0	0	%100
27	M74	X	.591	.591	0	%100
28	M74	Z	-1.024	-1.024	0	%100
29	M75B	X	.363	.363	0	%100
30	M75B	Z	-.629	-.629	0	%100
31	M76	X	.363	.363	0	%100
32	M76	Z	-.629	-.629	0	%100
33	M77	X	.072	.072	0	%100
34	M77	Z	-.125	-.125	0	%100
35	M78B	X	.072	.072	0	%100
36	M78B	Z	-.125	-.125	0	%100
37	M79	X	.072	.072	0	%100
38	M79	Z	-.125	-.125	0	%100
39	M80	X	.072	.072	0	%100
40	M80	Z	-.125	-.125	0	%100
41	M81A	X	.072	.072	0	%100
42	M81A	Z	-.125	-.125	0	%100
43	M82A	X	.072	.072	0	%100
44	M82A	Z	-.125	-.125	0	%100
45	M83	X	.072	.072	0	%100
46	M83	Z	-.125	-.125	0	%100
47	M59	X	.55	.55	0	%100
48	M59	Z	-.953	-.953	0	%100
49	M63A	X	.55	.55	0	%100
50	M63A	Z	-.953	-.953	0	%100
51	M64A	X	0	0	0	%100
52	M64A	Z	0	0	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M67A	X	.416	.416	0	%100
56	M67A	Z	-.721	-.721	0	%100
57	M68A	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,%]
58	M68A	Z	0	0	0	%100
59	M63B	X	.041	.041	0	%100
60	M63B	Z	-.071	-.071	0	%100
61	M66B	X	.041	.041	0	%100
62	M66B	Z	-.071	-.071	0	%100
63	M69	X	.041	.041	0	%100
64	M69	Z	-.071	-.071	0	%100
65	M72	X	.041	.041	0	%100
66	M72	Z	-.071	-.071	0	%100
67	MP2A	X	.259	.259	0	%100
68	MP2A	Z	-.448	-.448	0	%100
69	MP3A	X	.313	.313	0	%100
70	MP3A	Z	-.542	-.542	0	%100
71	MP4A	X	.259	.259	0	%100
72	MP4A	Z	-.448	-.448	0	%100
73	MP5A	X	.259	.259	0	%100
74	MP5A	Z	-.448	-.448	0	%100
75	MP1C	X	.259	.259	0	%100
76	MP1C	Z	-.448	-.448	0	%100
77	MP2C	X	.259	.259	0	%100
78	MP2C	Z	-.448	-.448	0	%100
79	MP3C	X	.313	.313	0	%100
80	MP3C	Z	-.542	-.542	0	%100
81	MP5C	X	.259	.259	0	%100
82	MP5C	Z	-.448	-.448	0	%100
83	MP1B	X	.259	.259	0	%100
84	MP1B	Z	-.448	-.448	0	%100
85	MP2B	X	.259	.259	0	%100
86	MP2B	Z	-.448	-.448	0	%100
87	MP3B	X	.313	.313	0	%100
88	MP3B	Z	-.542	-.542	0	%100
89	MP5B	X	.259	.259	0	%100
90	MP5B	Z	-.448	-.448	0	%100
91	MP4C	X	.259	.259	0	%100
92	MP4C	Z	-.448	-.448	0	%100
93	MP4B	X	.259	.259	0	%100
94	MP4B	Z	-.448	-.448	0	%100
95	M104	X	.235	.235	0	%100
96	M104	Z	-.407	-.407	0	%100
97	M105	X	.235	.235	0	%100
98	M105	Z	-.407	-.407	0	%100
99	M106	X	0	0	0	%100
100	M106	Z	0	0	0	%100
101	M113	X	0	0	0	%100
102	M113	Z	0	0	0	%100
103	M114	X	.274	.274	0	%100
104	M114	Z	-.474	-.474	0	%100
105	M115	X	.274	.274	0	%100
106	M115	Z	-.474	-.474	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	.318	.318	0	%100
2	M1	Z	-.183	-.183	0	%100
3	MP1A	X	.448	.448	0	%100
4	MP1A	Z	-.259	-.259	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,%]
5	M28	X	.311	.311	0	%100
6	M28	Z	-.18	-.18	0	%100
7	M31	X	1.244	1.244	0	%100
8	M31	Z	-.718	-.718	0	%100
9	M34	X	.311	.311	0	%100
10	M34	Z	-.18	-.18	0	%100
11	M49	X	.024	.024	0	%100
12	M49	Z	-.014	-.014	0	%100
13	M52	X	.024	.024	0	%100
14	M52	Z	-.014	-.014	0	%100
15	M75	X	.24	.24	0	%100
16	M75	Z	-.139	-.139	0	%100
17	M78	X	.318	.318	0	%100
18	M78	Z	-.183	-.183	0	%100
19	M77A	X	.318	.318	0	%100
20	M77A	Z	-.184	-.184	0	%100
21	M66	X	0	0	0	%100
22	M66	Z	0	0	0	%100
23	M67	X	.318	.318	0	%100
24	M67	Z	-.184	-.184	0	%100
25	M73	X	.28	.28	0	%100
26	M73	Z	-.162	-.162	0	%100
27	M74	X	.768	.768	0	%100
28	M74	Z	-.443	-.443	0	%100
29	M75B	X	.629	.629	0	%100
30	M75B	Z	-.363	-.363	0	%100
31	M76	X	.629	.629	0	%100
32	M76	Z	-.363	-.363	0	%100
33	M77	X	.094	.094	0	%100
34	M77	Z	-.054	-.054	0	%100
35	M78B	X	.094	.094	0	%100
36	M78B	Z	-.054	-.054	0	%100
37	M79	X	.094	.094	0	%100
38	M79	Z	-.054	-.054	0	%100
39	M80	X	.094	.094	0	%100
40	M80	Z	-.054	-.054	0	%100
41	M81A	X	.094	.094	0	%100
42	M81A	Z	-.054	-.054	0	%100
43	M82A	X	.094	.094	0	%100
44	M82A	Z	-.054	-.054	0	%100
45	M83	X	.094	.094	0	%100
46	M83	Z	-.054	-.054	0	%100
47	M59	X	1.271	1.271	0	%100
48	M59	Z	-.734	-.734	0	%100
49	M63A	X	1.271	1.271	0	%100
50	M63A	Z	-.734	-.734	0	%100
51	M64A	X	.317	.317	0	%100
52	M64A	Z	-.183	-.183	0	%100
53	M68	X	.318	.318	0	%100
54	M68	Z	-.184	-.184	0	%100
55	M67A	X	.961	.961	0	%100
56	M67A	Z	-.555	-.555	0	%100
57	M68A	X	.24	.24	0	%100
58	M68A	Z	-.139	-.139	0	%100
59	M63B	X	.024	.024	0	%100
60	M63B	Z	-.014	-.014	0	%100
61	M66B	X	.024	.024	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M66B	Z	-.014	-.014	0	%100
63	M69	X	.094	.094	0	%100
64	M69	Z	-.054	-.054	0	%100
65	M72	X	.094	.094	0	%100
66	M72	Z	-.054	-.054	0	%100
67	MP2A	X	.448	.448	0	%100
68	MP2A	Z	-.259	-.259	0	%100
69	MP3A	X	.542	.542	0	%100
70	MP3A	Z	-.313	-.313	0	%100
71	MP4A	X	.448	.448	0	%100
72	MP4A	Z	-.259	-.259	0	%100
73	MP5A	X	.448	.448	0	%100
74	MP5A	Z	-.259	-.259	0	%100
75	MP1C	X	.448	.448	0	%100
76	MP1C	Z	-.259	-.259	0	%100
77	MP2C	X	.448	.448	0	%100
78	MP2C	Z	-.259	-.259	0	%100
79	MP3C	X	.542	.542	0	%100
80	MP3C	Z	-.313	-.313	0	%100
81	MP5C	X	.448	.448	0	%100
82	MP5C	Z	-.259	-.259	0	%100
83	MP1B	X	.448	.448	0	%100
84	MP1B	Z	-.259	-.259	0	%100
85	MP2B	X	.448	.448	0	%100
86	MP2B	Z	-.259	-.259	0	%100
87	MP3B	X	.542	.542	0	%100
88	MP3B	Z	-.313	-.313	0	%100
89	MP5B	X	.448	.448	0	%100
90	MP5B	Z	-.259	-.259	0	%100
91	MP4C	X	.448	.448	0	%100
92	MP4C	Z	-.259	-.259	0	%100
93	MP4B	X	.448	.448	0	%100
94	MP4B	Z	-.259	-.259	0	%100
95	M104	X	.136	.136	0	%100
96	M104	Z	-.078	-.078	0	%100
97	M105	X	.542	.542	0	%100
98	M105	Z	-.313	-.313	0	%100
99	M106	X	.136	.136	0	%100
100	M106	Z	-.078	-.078	0	%100
101	M113	X	.158	.158	0	%100
102	M113	Z	-.091	-.091	0	%100
103	M114	X	.158	.158	0	%100
104	M114	Z	-.091	-.091	0	%100
105	M115	X	.632	.632	0	%100
106	M115	Z	-.365	-.365	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	MP1A	X	.517	.517	0	%100
4	MP1A	Z	0	0	0	%100
5	M28	X	0	0	0	%100
6	M28	Z	0	0	0	%100
7	M31	X	1.077	1.077	0	%100
8	M31	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,%]
9	M34	X	1.077	1.077	0	%100
10	M34	Z	0	0	0	%100
11	M49	X	.082	.082	0	%100
12	M49	Z	0	0	0	%100
13	M52	X	.082	.082	0	%100
14	M52	Z	0	0	0	%100
15	M75	X	0	0	0	%100
16	M75	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	M77A	X	.49	.49	0	%100
20	M77A	Z	0	0	0	%100
21	M66	X	.123	.123	0	%100
22	M66	Z	0	0	0	%100
23	M67	X	.123	.123	0	%100
24	M67	Z	0	0	0	%100
25	M73	X	.97	.97	0	%100
26	M73	Z	0	0	0	%100
27	M74	X	.296	.296	0	%100
28	M74	Z	0	0	0	%100
29	M75B	X	.726	.726	0	%100
30	M75B	Z	0	0	0	%100
31	M76	X	.726	.726	0	%100
32	M76	Z	0	0	0	%100
33	M77	X	.036	.036	0	%100
34	M77	Z	0	0	0	%100
35	M78B	X	.036	.036	0	%100
36	M78B	Z	0	0	0	%100
37	M79	X	.036	.036	0	%100
38	M79	Z	0	0	0	%100
39	M80	X	.036	.036	0	%100
40	M80	Z	0	0	0	%100
41	M81A	X	.036	.036	0	%100
42	M81A	Z	0	0	0	%100
43	M82A	X	.036	.036	0	%100
44	M82A	Z	0	0	0	%100
45	M83	X	.036	.036	0	%100
46	M83	Z	0	0	0	%100
47	M59	X	1.101	1.101	0	%100
48	M59	Z	0	0	0	%100
49	M63A	X	1.101	1.101	0	%100
50	M63A	Z	0	0	0	%100
51	M64A	X	1.1	1.1	0	%100
52	M64A	Z	0	0	0	%100
53	M68	X	1.101	1.101	0	%100
54	M68	Z	0	0	0	%100
55	M67A	X	.832	.832	0	%100
56	M67A	Z	0	0	0	%100
57	M68A	X	.832	.832	0	%100
58	M68A	Z	0	0	0	%100
59	M63B	X	0	0	0	%100
60	M63B	Z	0	0	0	%100
61	M66B	X	0	0	0	%100
62	M66B	Z	0	0	0	%100
63	M69	X	.082	.082	0	%100
64	M69	Z	0	0	0	%100
65	M72	X	.082	.082	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,%]
66	M72	Z	0	0	0	%100
67	MP2A	X	.517	.517	0	%100
68	MP2A	Z	0	0	0	%100
69	MP3A	X	.626	.626	0	%100
70	MP3A	Z	0	0	0	%100
71	MP4A	X	.517	.517	0	%100
72	MP4A	Z	0	0	0	%100
73	MP5A	X	.517	.517	0	%100
74	MP5A	Z	0	0	0	%100
75	MP1C	X	.517	.517	0	%100
76	MP1C	Z	0	0	0	%100
77	MP2C	X	.517	.517	0	%100
78	MP2C	Z	0	0	0	%100
79	MP3C	X	.626	.626	0	%100
80	MP3C	Z	0	0	0	%100
81	MP5C	X	.517	.517	0	%100
82	MP5C	Z	0	0	0	%100
83	MP1B	X	.517	.517	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	.517	.517	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	.626	.626	0	%100
88	MP3B	Z	0	0	0	%100
89	MP5B	X	.517	.517	0	%100
90	MP5B	Z	0	0	0	%100
91	MP4C	X	.517	.517	0	%100
92	MP4C	Z	0	0	0	%100
93	MP4B	X	.517	.517	0	%100
94	MP4B	Z	0	0	0	%100
95	M104	X	0	0	0	%100
96	M104	Z	0	0	0	%100
97	M105	X	.47	.47	0	%100
98	M105	Z	0	0	0	%100
99	M106	X	.47	.47	0	%100
100	M106	Z	0	0	0	%100
101	M113	X	.547	.547	0	%100
102	M113	Z	0	0	0	%100
103	M114	X	0	0	0	%100
104	M114	Z	0	0	0	%100
105	M115	X	.547	.547	0	%100
106	M115	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	.318	.318	0	%100
2	M1	Z	.183	.183	0	%100
3	MP1A	X	.448	.448	0	%100
4	MP1A	Z	.259	.259	0	%100
5	M28	X	.311	.311	0	%100
6	M28	Z	.18	.18	0	%100
7	M31	X	.311	.311	0	%100
8	M31	Z	.18	.18	0	%100
9	M34	X	1.244	1.244	0	%100
10	M34	Z	.718	.718	0	%100
11	M49	X	.094	.094	0	%100
12	M49	Z	.054	.054	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,%]
13	M52	X	.094	.094	0	%100
14	M52	Z	.054	.054	0	%100
15	M75	X	.24	.24	0	%100
16	M75	Z	.139	.139	0	%100
17	M78	X	.318	.318	0	%100
18	M78	Z	.183	.183	0	%100
19	M77A	X	.318	.318	0	%100
20	M77A	Z	.184	.184	0	%100
21	M66	X	.318	.318	0	%100
22	M66	Z	.184	.184	0	%100
23	M67	X	0	0	0	%100
24	M67	Z	0	0	0	%100
25	M73	X	1.12	1.12	0	%100
26	M73	Z	.646	.646	0	%100
27	M74	X	0	0	0	%100
28	M74	Z	0	0	0	%100
29	M75B	X	.629	.629	0	%100
30	M75B	Z	.363	.363	0	%100
31	M76	X	.629	.629	0	%100
32	M76	Z	.363	.363	0	%100
33	M77	X	0	0	0	%100
34	M77	Z	0	0	0	%100
35	M78B	X	0	0	0	%100
36	M78B	Z	0	0	0	%100
37	M79	X	0	0	0	%100
38	M79	Z	0	0	0	%100
39	M80	X	0	0	0	%100
40	M80	Z	0	0	0	%100
41	M81A	X	0	0	0	%100
42	M81A	Z	0	0	0	%100
43	M82A	X	0	0	0	%100
44	M82A	Z	0	0	0	%100
45	M83	X	0	0	0	%100
46	M83	Z	0	0	0	%100
47	M59	X	.318	.318	0	%100
48	M59	Z	.184	.184	0	%100
49	M63A	X	.318	.318	0	%100
50	M63A	Z	.183	.183	0	%100
51	M64A	X	1.271	1.271	0	%100
52	M64A	Z	.734	.734	0	%100
53	M68	X	1.271	1.271	0	%100
54	M68	Z	.734	.734	0	%100
55	M67A	X	.24	.24	0	%100
56	M67A	Z	.139	.139	0	%100
57	M68A	X	.961	.961	0	%100
58	M68A	Z	.555	.555	0	%100
59	M63B	X	.024	.024	0	%100
60	M63B	Z	.014	.014	0	%100
61	M66B	X	.024	.024	0	%100
62	M66B	Z	.014	.014	0	%100
63	M69	X	.024	.024	0	%100
64	M69	Z	.014	.014	0	%100
65	M72	X	.024	.024	0	%100
66	M72	Z	.014	.014	0	%100
67	MP2A	X	.448	.448	0	%100
68	MP2A	Z	.259	.259	0	%100
69	MP3A	X	.542	.542	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,%]
70	MP3A	Z	.313	.313	0	%100
71	MP4A	X	.448	.448	0	%100
72	MP4A	Z	.259	.259	0	%100
73	MP5A	X	.448	.448	0	%100
74	MP5A	Z	.259	.259	0	%100
75	MP1C	X	.448	.448	0	%100
76	MP1C	Z	.259	.259	0	%100
77	MP2C	X	.448	.448	0	%100
78	MP2C	Z	.259	.259	0	%100
79	MP3C	X	.542	.542	0	%100
80	MP3C	Z	.313	.313	0	%100
81	MP5C	X	.448	.448	0	%100
82	MP5C	Z	.259	.259	0	%100
83	MP1B	X	.448	.448	0	%100
84	MP1B	Z	.259	.259	0	%100
85	MP2B	X	.448	.448	0	%100
86	MP2B	Z	.259	.259	0	%100
87	MP3B	X	.542	.542	0	%100
88	MP3B	Z	.313	.313	0	%100
89	MP5B	X	.448	.448	0	%100
90	MP5B	Z	.259	.259	0	%100
91	MP4C	X	.448	.448	0	%100
92	MP4C	Z	.259	.259	0	%100
93	MP4B	X	.448	.448	0	%100
94	MP4B	Z	.259	.259	0	%100
95	M104	X	.136	.136	0	%100
96	M104	Z	.078	.078	0	%100
97	M105	X	.136	.136	0	%100
98	M105	Z	.078	.078	0	%100
99	M106	X	.542	.542	0	%100
100	M106	Z	.313	.313	0	%100
101	M113	X	.632	.632	0	%100
102	M113	Z	.365	.365	0	%100
103	M114	X	.158	.158	0	%100
104	M114	Z	.091	.091	0	%100
105	M115	X	.158	.158	0	%100
106	M115	Z	.091	.091	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	.55	.55	0	%100
2	M1	Z	.953	.953	0	%100
3	MP1A	X	.259	.259	0	%100
4	MP1A	Z	.448	.448	0	%100
5	M28	X	.539	.539	0	%100
6	M28	Z	.933	.933	0	%100
7	M31	X	0	0	0	%100
8	M31	Z	0	0	0	%100
9	M34	X	.539	.539	0	%100
10	M34	Z	.933	.933	0	%100
11	M49	X	.041	.041	0	%100
12	M49	Z	.071	.071	0	%100
13	M52	X	.041	.041	0	%100
14	M52	Z	.071	.071	0	%100
15	M75	X	.416	.416	0	%100
16	M75	Z	.721	.721	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,%]
17	M78	X	.55	.55	0	%100
18	M78	Z	.953	.953	0	%100
19	M77A	X	.061	.061	0	%100
20	M77A	Z	.106	.106	0	%100
21	M66	X	.245	.245	0	%100
22	M66	Z	.425	.425	0	%100
23	M67	X	.061	.061	0	%100
24	M67	Z	.106	.106	0	%100
25	M73	X	.485	.485	0	%100
26	M73	Z	.84	.84	0	%100
27	M74	X	.148	.148	0	%100
28	M74	Z	.256	.256	0	%100
29	M75B	X	.363	.363	0	%100
30	M75B	Z	.629	.629	0	%100
31	M76	X	.363	.363	0	%100
32	M76	Z	.629	.629	0	%100
33	M77	X	.018	.018	0	%100
34	M77	Z	.031	.031	0	%100
35	M78B	X	.018	.018	0	%100
36	M78B	Z	.031	.031	0	%100
37	M79	X	.018	.018	0	%100
38	M79	Z	.031	.031	0	%100
39	M80	X	.018	.018	0	%100
40	M80	Z	.031	.031	0	%100
41	M81A	X	.018	.018	0	%100
42	M81A	Z	.031	.031	0	%100
43	M82A	X	.018	.018	0	%100
44	M82A	Z	.031	.031	0	%100
45	M83	X	.018	.018	0	%100
46	M83	Z	.031	.031	0	%100
47	M59	X	0	0	0	%100
48	M59	Z	0	0	0	%100
49	M63A	X	0	0	0	%100
50	M63A	Z	0	0	0	%100
51	M64A	X	.551	.551	0	%100
52	M64A	Z	.954	.954	0	%100
53	M68	X	.55	.55	0	%100
54	M68	Z	.953	.953	0	%100
55	M67A	X	0	0	0	%100
56	M67A	Z	0	0	0	%100
57	M68A	X	.416	.416	0	%100
58	M68A	Z	.721	.721	0	%100
59	M63B	X	.041	.041	0	%100
60	M63B	Z	.071	.071	0	%100
61	M66B	X	.041	.041	0	%100
62	M66B	Z	.071	.071	0	%100
63	M69	X	0	0	0	%100
64	M69	Z	0	0	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	0	0	0	%100
67	MP2A	X	.259	.259	0	%100
68	MP2A	Z	.448	.448	0	%100
69	MP3A	X	.313	.313	0	%100
70	MP3A	Z	.542	.542	0	%100
71	MP4A	X	.259	.259	0	%100
72	MP4A	Z	.448	.448	0	%100
73	MP5A	X	.259	.259	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,%]
74	MP5A	Z	.448	.448	0	%100
75	MP1C	X	.259	.259	0	%100
76	MP1C	Z	.448	.448	0	%100
77	MP2C	X	.259	.259	0	%100
78	MP2C	Z	.448	.448	0	%100
79	MP3C	X	.313	.313	0	%100
80	MP3C	Z	.542	.542	0	%100
81	MP5C	X	.259	.259	0	%100
82	MP5C	Z	.448	.448	0	%100
83	MP1B	X	.259	.259	0	%100
84	MP1B	Z	.448	.448	0	%100
85	MP2B	X	.259	.259	0	%100
86	MP2B	Z	.448	.448	0	%100
87	MP3B	X	.313	.313	0	%100
88	MP3B	Z	.542	.542	0	%100
89	MP5B	X	.259	.259	0	%100
90	MP5B	Z	.448	.448	0	%100
91	MP4C	X	.259	.259	0	%100
92	MP4C	Z	.448	.448	0	%100
93	MP4B	X	.259	.259	0	%100
94	MP4B	Z	.448	.448	0	%100
95	M104	X	.235	.235	0	%100
96	M104	Z	.407	.407	0	%100
97	M105	X	0	0	0	%100
98	M105	Z	0	0	0	%100
99	M106	X	.235	.235	0	%100
100	M106	Z	.407	.407	0	%100
101	M113	X	.274	.274	0	%100
102	M113	Z	.474	.474	0	%100
103	M114	X	.274	.274	0	%100
104	M114	Z	.474	.474	0	%100
105	M115	X	0	0	0	%100
106	M115	Z	0	0	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	1.468	1.468	0	%100
3	MP1A	X	0	0	0	%100
4	MP1A	Z	.517	.517	0	%100
5	M28	X	0	0	0	%100
6	M28	Z	1.436	1.436	0	%100
7	M31	X	0	0	0	%100
8	M31	Z	.359	.359	0	%100
9	M34	X	0	0	0	%100
10	M34	Z	.359	.359	0	%100
11	M49	X	0	0	0	%100
12	M49	Z	.027	.027	0	%100
13	M52	X	0	0	0	%100
14	M52	Z	.027	.027	0	%100
15	M75	X	0	0	0	%100
16	M75	Z	1.11	1.11	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	1.468	1.468	0	%100
19	M77A	X	0	0	0	%100
20	M77A	Z	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,%]
21	M66	X	0	0	0	%100
22	M66	Z	.368	.368	0	%100
23	M67	X	0	0	0	%100
24	M67	Z	.368	.368	0	%100
25	M73	X	0	0	0	%100
26	M73	Z	.323	.323	0	%100
27	M74	X	0	0	0	%100
28	M74	Z	.887	.887	0	%100
29	M75B	X	0	0	0	%100
30	M75B	Z	.726	.726	0	%100
31	M76	X	0	0	0	%100
32	M76	Z	.726	.726	0	%100
33	M77	X	0	0	0	%100
34	M77	Z	.108	.108	0	%100
35	M78B	X	0	0	0	%100
36	M78B	Z	.108	.108	0	%100
37	M79	X	0	0	0	%100
38	M79	Z	.108	.108	0	%100
39	M80	X	0	0	0	%100
40	M80	Z	.108	.108	0	%100
41	M81A	X	0	0	0	%100
42	M81A	Z	.108	.108	0	%100
43	M82A	X	0	0	0	%100
44	M82A	Z	.108	.108	0	%100
45	M83	X	0	0	0	%100
46	M83	Z	.108	.108	0	%100
47	M59	X	0	0	0	%100
48	M59	Z	.366	.366	0	%100
49	M63A	X	0	0	0	%100
50	M63A	Z	.367	.367	0	%100
51	M64A	X	0	0	0	%100
52	M64A	Z	.367	.367	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	.366	.366	0	%100
55	M67A	X	0	0	0	%100
56	M67A	Z	.277	.277	0	%100
57	M68A	X	0	0	0	%100
58	M68A	Z	.277	.277	0	%100
59	M63B	X	0	0	0	%100
60	M63B	Z	.109	.109	0	%100
61	M66B	X	0	0	0	%100
62	M66B	Z	.109	.109	0	%100
63	M69	X	0	0	0	%100
64	M69	Z	.027	.027	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	.027	.027	0	%100
67	MP2A	X	0	0	0	%100
68	MP2A	Z	.517	.517	0	%100
69	MP3A	X	0	0	0	%100
70	MP3A	Z	.626	.626	0	%100
71	MP4A	X	0	0	0	%100
72	MP4A	Z	.517	.517	0	%100
73	MP5A	X	0	0	0	%100
74	MP5A	Z	.517	.517	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	.517	.517	0	%100
77	MP2C	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,%]
78	MP2C	Z	.517	.517	0	%100
79	MP3C	X	0	0	0	%100
80	MP3C	Z	.626	.626	0	%100
81	MP5C	X	0	0	0	%100
82	MP5C	Z	.517	.517	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	.517	.517	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	.517	.517	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	.626	.626	0	%100
89	MP5B	X	0	0	0	%100
90	MP5B	Z	.517	.517	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	.517	.517	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	.517	.517	0	%100
95	M104	X	0	0	0	%100
96	M104	Z	.626	.626	0	%100
97	M105	X	0	0	0	%100
98	M105	Z	.157	.157	0	%100
99	M106	X	0	0	0	%100
100	M106	Z	.157	.157	0	%100
101	M113	X	0	0	0	%100
102	M113	Z	.182	.182	0	%100
103	M114	X	0	0	0	%100
104	M114	Z	.73	.73	0	%100
105	M115	X	0	0	0	%100
106	M115	Z	.182	.182	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	-.55	-.55	0	%100
2	M1	Z	.953	.953	0	%100
3	MP1A	X	-.259	-.259	0	%100
4	MP1A	Z	.448	.448	0	%100
5	M28	X	-.539	-.539	0	%100
6	M28	Z	.933	.933	0	%100
7	M31	X	-.539	-.539	0	%100
8	M31	Z	.933	.933	0	%100
9	M34	X	0	0	0	%100
10	M34	Z	0	0	0	%100
11	M49	X	0	0	0	%100
12	M49	Z	0	0	0	%100
13	M52	X	0	0	0	%100
14	M52	Z	0	0	0	%100
15	M75	X	-.416	-.416	0	%100
16	M75	Z	.721	.721	0	%100
17	M78	X	-.55	-.55	0	%100
18	M78	Z	.953	.953	0	%100
19	M77A	X	-.061	-.061	0	%100
20	M77A	Z	.106	.106	0	%100
21	M66	X	-.061	-.061	0	%100
22	M66	Z	.106	.106	0	%100
23	M67	X	-.245	-.245	0	%100
24	M67	Z	.425	.425	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,%]
25	M73	X	0	0	0	%100
26	M73	Z	0	0	0	%100
27	M74	X	-.591	-.591	0	%100
28	M74	Z	1.024	1.024	0	%100
29	M75B	X	-.363	-.363	0	%100
30	M75B	Z	.629	.629	0	%100
31	M76	X	-.363	-.363	0	%100
32	M76	Z	.629	.629	0	%100
33	M77	X	-.072	-.072	0	%100
34	M77	Z	.125	.125	0	%100
35	M78B	X	-.072	-.072	0	%100
36	M78B	Z	.125	.125	0	%100
37	M79	X	-.072	-.072	0	%100
38	M79	Z	.125	.125	0	%100
39	M80	X	-.072	-.072	0	%100
40	M80	Z	.125	.125	0	%100
41	M81A	X	-.072	-.072	0	%100
42	M81A	Z	.125	.125	0	%100
43	M82A	X	-.072	-.072	0	%100
44	M82A	Z	.125	.125	0	%100
45	M83	X	-.072	-.072	0	%100
46	M83	Z	.125	.125	0	%100
47	M59	X	-.55	-.55	0	%100
48	M59	Z	.953	.953	0	%100
49	M63A	X	-.55	-.55	0	%100
50	M63A	Z	.953	.953	0	%100
51	M64A	X	0	0	0	%100
52	M64A	Z	0	0	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M67A	X	-.416	-.416	0	%100
56	M67A	Z	.721	.721	0	%100
57	M68A	X	0	0	0	%100
58	M68A	Z	0	0	0	%100
59	M63B	X	-.041	-.041	0	%100
60	M63B	Z	.071	.071	0	%100
61	M66B	X	-.041	-.041	0	%100
62	M66B	Z	.071	.071	0	%100
63	M69	X	-.041	-.041	0	%100
64	M69	Z	.071	.071	0	%100
65	M72	X	-.041	-.041	0	%100
66	M72	Z	.071	.071	0	%100
67	MP2A	X	-.259	-.259	0	%100
68	MP2A	Z	.448	.448	0	%100
69	MP3A	X	-.313	-.313	0	%100
70	MP3A	Z	.542	.542	0	%100
71	MP4A	X	-.259	-.259	0	%100
72	MP4A	Z	.448	.448	0	%100
73	MP5A	X	-.259	-.259	0	%100
74	MP5A	Z	.448	.448	0	%100
75	MP1C	X	-.259	-.259	0	%100
76	MP1C	Z	.448	.448	0	%100
77	MP2C	X	-.259	-.259	0	%100
78	MP2C	Z	.448	.448	0	%100
79	MP3C	X	-.313	-.313	0	%100
80	MP3C	Z	.542	.542	0	%100
81	MP5C	X	-.259	-.259	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,%]
82	MP5C	Z	.448	.448	0	%100
83	MP1B	X	-.259	-.259	0	%100
84	MP1B	Z	.448	.448	0	%100
85	MP2B	X	-.259	-.259	0	%100
86	MP2B	Z	.448	.448	0	%100
87	MP3B	X	-.313	-.313	0	%100
88	MP3B	Z	.542	.542	0	%100
89	MP5B	X	-.259	-.259	0	%100
90	MP5B	Z	.448	.448	0	%100
91	MP4C	X	-.259	-.259	0	%100
92	MP4C	Z	.448	.448	0	%100
93	MP4B	X	-.259	-.259	0	%100
94	MP4B	Z	.448	.448	0	%100
95	M104	X	-.235	-.235	0	%100
96	M104	Z	.407	.407	0	%100
97	M105	X	-.235	-.235	0	%100
98	M105	Z	.407	.407	0	%100
99	M106	X	0	0	0	%100
100	M106	Z	0	0	0	%100
101	M113	X	0	0	0	%100
102	M113	Z	0	0	0	%100
103	M114	X	-.274	-.274	0	%100
104	M114	Z	.474	.474	0	%100
105	M115	X	-.274	-.274	0	%100
106	M115	Z	.474	.474	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	-.318	-.318	0	%100
2	M1	Z	.183	.183	0	%100
3	MP1A	X	-.448	-.448	0	%100
4	MP1A	Z	.259	.259	0	%100
5	M28	X	-.311	-.311	0	%100
6	M28	Z	.18	.18	0	%100
7	M31	X	-1.244	-1.244	0	%100
8	M31	Z	.718	.718	0	%100
9	M34	X	-.311	-.311	0	%100
10	M34	Z	.18	.18	0	%100
11	M49	X	-.024	-.024	0	%100
12	M49	Z	.014	.014	0	%100
13	M52	X	-.024	-.024	0	%100
14	M52	Z	.014	.014	0	%100
15	M75	X	-.24	-.24	0	%100
16	M75	Z	.139	.139	0	%100
17	M78	X	-.318	-.318	0	%100
18	M78	Z	.183	.183	0	%100
19	M77A	X	-.318	-.318	0	%100
20	M77A	Z	.184	.184	0	%100
21	M66	X	0	0	0	%100
22	M66	Z	0	0	0	%100
23	M67	X	-.318	-.318	0	%100
24	M67	Z	.184	.184	0	%100
25	M73	X	-.28	-.28	0	%100
26	M73	Z	.162	.162	0	%100
27	M74	X	-.768	-.768	0	%100
28	M74	Z	.443	.443	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,%]
29	M75B	X	-.629	-.629	0	%100
30	M75B	Z	.363	.363	0	%100
31	M76	X	-.629	-.629	0	%100
32	M76	Z	.363	.363	0	%100
33	M77	X	-.094	-.094	0	%100
34	M77	Z	.054	.054	0	%100
35	M78B	X	-.094	-.094	0	%100
36	M78B	Z	.054	.054	0	%100
37	M79	X	-.094	-.094	0	%100
38	M79	Z	.054	.054	0	%100
39	M80	X	-.094	-.094	0	%100
40	M80	Z	.054	.054	0	%100
41	M81A	X	-.094	-.094	0	%100
42	M81A	Z	.054	.054	0	%100
43	M82A	X	-.094	-.094	0	%100
44	M82A	Z	.054	.054	0	%100
45	M83	X	-.094	-.094	0	%100
46	M83	Z	.054	.054	0	%100
47	M59	X	-1.271	-1.271	0	%100
48	M59	Z	.734	.734	0	%100
49	M63A	X	-1.271	-1.271	0	%100
50	M63A	Z	.734	.734	0	%100
51	M64A	X	-.317	-.317	0	%100
52	M64A	Z	.183	.183	0	%100
53	M68	X	-.318	-.318	0	%100
54	M68	Z	.184	.184	0	%100
55	M67A	X	-.961	-.961	0	%100
56	M67A	Z	.555	.555	0	%100
57	M68A	X	-.24	-.24	0	%100
58	M68A	Z	.139	.139	0	%100
59	M63B	X	-.024	-.024	0	%100
60	M63B	Z	.014	.014	0	%100
61	M66B	X	-.024	-.024	0	%100
62	M66B	Z	.014	.014	0	%100
63	M69	X	-.094	-.094	0	%100
64	M69	Z	.054	.054	0	%100
65	M72	X	-.094	-.094	0	%100
66	M72	Z	.054	.054	0	%100
67	MP2A	X	-.448	-.448	0	%100
68	MP2A	Z	.259	.259	0	%100
69	MP3A	X	-.542	-.542	0	%100
70	MP3A	Z	.313	.313	0	%100
71	MP4A	X	-.448	-.448	0	%100
72	MP4A	Z	.259	.259	0	%100
73	MP5A	X	-.448	-.448	0	%100
74	MP5A	Z	.259	.259	0	%100
75	MP1C	X	-.448	-.448	0	%100
76	MP1C	Z	.259	.259	0	%100
77	MP2C	X	-.448	-.448	0	%100
78	MP2C	Z	.259	.259	0	%100
79	MP3C	X	-.542	-.542	0	%100
80	MP3C	Z	.313	.313	0	%100
81	MP5C	X	-.448	-.448	0	%100
82	MP5C	Z	.259	.259	0	%100
83	MP1B	X	-.448	-.448	0	%100
84	MP1B	Z	.259	.259	0	%100
85	MP2B	X	-.448	-.448	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,%]
86	MP2B	Z	.259	.259	0	%100
87	MP3B	X	-.542	-.542	0	%100
88	MP3B	Z	.313	.313	0	%100
89	MP5B	X	-.448	-.448	0	%100
90	MP5B	Z	.259	.259	0	%100
91	MP4C	X	-.448	-.448	0	%100
92	MP4C	Z	.259	.259	0	%100
93	MP4B	X	-.448	-.448	0	%100
94	MP4B	Z	.259	.259	0	%100
95	M104	X	-.136	-.136	0	%100
96	M104	Z	.078	.078	0	%100
97	M105	X	-.542	-.542	0	%100
98	M105	Z	.313	.313	0	%100
99	M106	X	-.136	-.136	0	%100
100	M106	Z	.078	.078	0	%100
101	M113	X	-.158	-.158	0	%100
102	M113	Z	.091	.091	0	%100
103	M114	X	-.158	-.158	0	%100
104	M114	Z	.091	.091	0	%100
105	M115	X	-.632	-.632	0	%100
106	M115	Z	.365	.365	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	MP1A	X	-.517	-.517	0	%100
4	MP1A	Z	0	0	0	%100
5	M28	X	0	0	0	%100
6	M28	Z	0	0	0	%100
7	M31	X	-1.077	-1.077	0	%100
8	M31	Z	0	0	0	%100
9	M34	X	-1.077	-1.077	0	%100
10	M34	Z	0	0	0	%100
11	M49	X	-.082	-.082	0	%100
12	M49	Z	0	0	0	%100
13	M52	X	-.082	-.082	0	%100
14	M52	Z	0	0	0	%100
15	M75	X	0	0	0	%100
16	M75	Z	0	0	0	%100
17	M78	X	0	0	0	%100
18	M78	Z	0	0	0	%100
19	M77A	X	-.49	-.49	0	%100
20	M77A	Z	0	0	0	%100
21	M66	X	-.123	-.123	0	%100
22	M66	Z	0	0	0	%100
23	M67	X	-.123	-.123	0	%100
24	M67	Z	0	0	0	%100
25	M73	X	-.97	-.97	0	%100
26	M73	Z	0	0	0	%100
27	M74	X	-.296	-.296	0	%100
28	M74	Z	0	0	0	%100
29	M75B	X	-.726	-.726	0	%100
30	M75B	Z	0	0	0	%100
31	M76	X	-.726	-.726	0	%100
32	M76	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,%]
33	M77	X	-.036	-.036	0	%100
34	M77	Z	0	0	0	%100
35	M78B	X	-.036	-.036	0	%100
36	M78B	Z	0	0	0	%100
37	M79	X	-.036	-.036	0	%100
38	M79	Z	0	0	0	%100
39	M80	X	-.036	-.036	0	%100
40	M80	Z	0	0	0	%100
41	M81A	X	-.036	-.036	0	%100
42	M81A	Z	0	0	0	%100
43	M82A	X	-.036	-.036	0	%100
44	M82A	Z	0	0	0	%100
45	M83	X	-.036	-.036	0	%100
46	M83	Z	0	0	0	%100
47	M59	X	-1.101	-1.101	0	%100
48	M59	Z	0	0	0	%100
49	M63A	X	-1.101	-1.101	0	%100
50	M63A	Z	0	0	0	%100
51	M64A	X	-1.1	-1.1	0	%100
52	M64A	Z	0	0	0	%100
53	M68	X	-1.101	-1.101	0	%100
54	M68	Z	0	0	0	%100
55	M67A	X	-.832	-.832	0	%100
56	M67A	Z	0	0	0	%100
57	M68A	X	-.832	-.832	0	%100
58	M68A	Z	0	0	0	%100
59	M63B	X	0	0	0	%100
60	M63B	Z	0	0	0	%100
61	M66B	X	0	0	0	%100
62	M66B	Z	0	0	0	%100
63	M69	X	-.082	-.082	0	%100
64	M69	Z	0	0	0	%100
65	M72	X	-.082	-.082	0	%100
66	M72	Z	0	0	0	%100
67	MP2A	X	-.517	-.517	0	%100
68	MP2A	Z	0	0	0	%100
69	MP3A	X	-.626	-.626	0	%100
70	MP3A	Z	0	0	0	%100
71	MP4A	X	-.517	-.517	0	%100
72	MP4A	Z	0	0	0	%100
73	MP5A	X	-.517	-.517	0	%100
74	MP5A	Z	0	0	0	%100
75	MP1C	X	-.517	-.517	0	%100
76	MP1C	Z	0	0	0	%100
77	MP2C	X	-.517	-.517	0	%100
78	MP2C	Z	0	0	0	%100
79	MP3C	X	-.626	-.626	0	%100
80	MP3C	Z	0	0	0	%100
81	MP5C	X	-.517	-.517	0	%100
82	MP5C	Z	0	0	0	%100
83	MP1B	X	-.517	-.517	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	-.517	-.517	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	-.626	-.626	0	%100
88	MP3B	Z	0	0	0	%100
89	MP5B	X	-.517	-.517	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,%]
90	MP5B	Z	0	0	0	%100
91	MP4C	X	-.517	-.517	0	%100
92	MP4C	Z	0	0	0	%100
93	MP4B	X	-.517	-.517	0	%100
94	MP4B	Z	0	0	0	%100
95	M104	X	0	0	0	%100
96	M104	Z	0	0	0	%100
97	M105	X	-.47	-.47	0	%100
98	M105	Z	0	0	0	%100
99	M106	X	-.47	-.47	0	%100
100	M106	Z	0	0	0	%100
101	M113	X	-.547	-.547	0	%100
102	M113	Z	0	0	0	%100
103	M114	X	0	0	0	%100
104	M114	Z	0	0	0	%100
105	M115	X	-.547	-.547	0	%100
106	M115	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	-.318	-.318	0	%100
2	M1	Z	-.183	-.183	0	%100
3	MP1A	X	-.448	-.448	0	%100
4	MP1A	Z	-.259	-.259	0	%100
5	M28	X	-.311	-.311	0	%100
6	M28	Z	-.18	-.18	0	%100
7	M31	X	-.311	-.311	0	%100
8	M31	Z	-.18	-.18	0	%100
9	M34	X	-1.244	-1.244	0	%100
10	M34	Z	-.718	-.718	0	%100
11	M49	X	-.094	-.094	0	%100
12	M49	Z	-.054	-.054	0	%100
13	M52	X	-.094	-.094	0	%100
14	M52	Z	-.054	-.054	0	%100
15	M75	X	-.24	-.24	0	%100
16	M75	Z	-.139	-.139	0	%100
17	M78	X	-.318	-.318	0	%100
18	M78	Z	-.183	-.183	0	%100
19	M77A	X	-.318	-.318	0	%100
20	M77A	Z	-.184	-.184	0	%100
21	M66	X	-.318	-.318	0	%100
22	M66	Z	-.184	-.184	0	%100
23	M67	X	0	0	0	%100
24	M67	Z	0	0	0	%100
25	M73	X	-1.12	-1.12	0	%100
26	M73	Z	-.646	-.646	0	%100
27	M74	X	0	0	0	%100
28	M74	Z	0	0	0	%100
29	M75B	X	-.629	-.629	0	%100
30	M75B	Z	-.363	-.363	0	%100
31	M76	X	-.629	-.629	0	%100
32	M76	Z	-.363	-.363	0	%100
33	M77	X	0	0	0	%100
34	M77	Z	0	0	0	%100
35	M78B	X	0	0	0	%100
36	M78B	Z	0	0	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,%]
37	M79	X	0	0	0	%100
38	M79	Z	0	0	0	%100
39	M80	X	0	0	0	%100
40	M80	Z	0	0	0	%100
41	M81A	X	0	0	0	%100
42	M81A	Z	0	0	0	%100
43	M82A	X	0	0	0	%100
44	M82A	Z	0	0	0	%100
45	M83	X	0	0	0	%100
46	M83	Z	0	0	0	%100
47	M59	X	-.318	-.318	0	%100
48	M59	Z	-.184	-.184	0	%100
49	M63A	X	-.318	-.318	0	%100
50	M63A	Z	-.183	-.183	0	%100
51	M64A	X	-1.271	-1.271	0	%100
52	M64A	Z	-.734	-.734	0	%100
53	M68	X	-1.271	-1.271	0	%100
54	M68	Z	-.734	-.734	0	%100
55	M67A	X	-.24	-.24	0	%100
56	M67A	Z	-.139	-.139	0	%100
57	M68A	X	-.961	-.961	0	%100
58	M68A	Z	-.555	-.555	0	%100
59	M63B	X	-.024	-.024	0	%100
60	M63B	Z	-.014	-.014	0	%100
61	M66B	X	-.024	-.024	0	%100
62	M66B	Z	-.014	-.014	0	%100
63	M69	X	-.024	-.024	0	%100
64	M69	Z	-.014	-.014	0	%100
65	M72	X	-.024	-.024	0	%100
66	M72	Z	-.014	-.014	0	%100
67	MP2A	X	-.448	-.448	0	%100
68	MP2A	Z	-.259	-.259	0	%100
69	MP3A	X	-.542	-.542	0	%100
70	MP3A	Z	-.313	-.313	0	%100
71	MP4A	X	-.448	-.448	0	%100
72	MP4A	Z	-.259	-.259	0	%100
73	MP5A	X	-.448	-.448	0	%100
74	MP5A	Z	-.259	-.259	0	%100
75	MP1C	X	-.448	-.448	0	%100
76	MP1C	Z	-.259	-.259	0	%100
77	MP2C	X	-.448	-.448	0	%100
78	MP2C	Z	-.259	-.259	0	%100
79	MP3C	X	-.542	-.542	0	%100
80	MP3C	Z	-.313	-.313	0	%100
81	MP5C	X	-.448	-.448	0	%100
82	MP5C	Z	-.259	-.259	0	%100
83	MP1B	X	-.448	-.448	0	%100
84	MP1B	Z	-.259	-.259	0	%100
85	MP2B	X	-.448	-.448	0	%100
86	MP2B	Z	-.259	-.259	0	%100
87	MP3B	X	-.542	-.542	0	%100
88	MP3B	Z	-.313	-.313	0	%100
89	MP5B	X	-.448	-.448	0	%100
90	MP5B	Z	-.259	-.259	0	%100
91	MP4C	X	-.448	-.448	0	%100
92	MP4C	Z	-.259	-.259	0	%100
93	MP4B	X	-.448	-.448	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,%]
94	MP4B	Z	-.259	-.259	0	%100
95	M104	X	-.136	-.136	0	%100
96	M104	Z	-.078	-.078	0	%100
97	M105	X	-.136	-.136	0	%100
98	M105	Z	-.078	-.078	0	%100
99	M106	X	-.542	-.542	0	%100
100	M106	Z	-.313	-.313	0	%100
101	M113	X	-.632	-.632	0	%100
102	M113	Z	-.365	-.365	0	%100
103	M114	X	-.158	-.158	0	%100
104	M114	Z	-.091	-.091	0	%100
105	M115	X	-.158	-.158	0	%100
106	M115	Z	-.091	-.091	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	-.55	-.55	0	%100
2	M1	Z	-.953	-.953	0	%100
3	MP1A	X	-.259	-.259	0	%100
4	MP1A	Z	-.448	-.448	0	%100
5	M28	X	-.539	-.539	0	%100
6	M28	Z	-.933	-.933	0	%100
7	M31	X	0	0	0	%100
8	M31	Z	0	0	0	%100
9	M34	X	-.539	-.539	0	%100
10	M34	Z	-.933	-.933	0	%100
11	M49	X	-.041	-.041	0	%100
12	M49	Z	-.071	-.071	0	%100
13	M52	X	-.041	-.041	0	%100
14	M52	Z	-.071	-.071	0	%100
15	M75	X	-.416	-.416	0	%100
16	M75	Z	-.721	-.721	0	%100
17	M78	X	-.55	-.55	0	%100
18	M78	Z	-.953	-.953	0	%100
19	M77A	X	-.061	-.061	0	%100
20	M77A	Z	-.106	-.106	0	%100
21	M66	X	-.245	-.245	0	%100
22	M66	Z	-.425	-.425	0	%100
23	M67	X	-.061	-.061	0	%100
24	M67	Z	-.106	-.106	0	%100
25	M73	X	-.485	-.485	0	%100
26	M73	Z	-.84	-.84	0	%100
27	M74	X	-.148	-.148	0	%100
28	M74	Z	-.256	-.256	0	%100
29	M75B	X	-.363	-.363	0	%100
30	M75B	Z	-.629	-.629	0	%100
31	M76	X	-.363	-.363	0	%100
32	M76	Z	-.629	-.629	0	%100
33	M77	X	-.018	-.018	0	%100
34	M77	Z	-.031	-.031	0	%100
35	M78B	X	-.018	-.018	0	%100
36	M78B	Z	-.031	-.031	0	%100
37	M79	X	-.018	-.018	0	%100
38	M79	Z	-.031	-.031	0	%100
39	M80	X	-.018	-.018	0	%100
40	M80	Z	-.031	-.031	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,%]
41	M81A	X	-.018	-.018	0	%100
42	M81A	Z	-.031	-.031	0	%100
43	M82A	X	-.018	-.018	0	%100
44	M82A	Z	-.031	-.031	0	%100
45	M83	X	-.018	-.018	0	%100
46	M83	Z	-.031	-.031	0	%100
47	M59	X	0	0	0	%100
48	M59	Z	0	0	0	%100
49	M63A	X	0	0	0	%100
50	M63A	Z	0	0	0	%100
51	M64A	X	-.551	-.551	0	%100
52	M64A	Z	-.954	-.954	0	%100
53	M68	X	-.55	-.55	0	%100
54	M68	Z	-.953	-.953	0	%100
55	M67A	X	0	0	0	%100
56	M67A	Z	0	0	0	%100
57	M68A	X	-.416	-.416	0	%100
58	M68A	Z	-.721	-.721	0	%100
59	M63B	X	-.041	-.041	0	%100
60	M63B	Z	-.071	-.071	0	%100
61	M66B	X	-.041	-.041	0	%100
62	M66B	Z	-.071	-.071	0	%100
63	M69	X	0	0	0	%100
64	M69	Z	0	0	0	%100
65	M72	X	0	0	0	%100
66	M72	Z	0	0	0	%100
67	MP2A	X	-.259	-.259	0	%100
68	MP2A	Z	-.448	-.448	0	%100
69	MP3A	X	-.313	-.313	0	%100
70	MP3A	Z	-.542	-.542	0	%100
71	MP4A	X	-.259	-.259	0	%100
72	MP4A	Z	-.448	-.448	0	%100
73	MP5A	X	-.259	-.259	0	%100
74	MP5A	Z	-.448	-.448	0	%100
75	MP1C	X	-.259	-.259	0	%100
76	MP1C	Z	-.448	-.448	0	%100
77	MP2C	X	-.259	-.259	0	%100
78	MP2C	Z	-.448	-.448	0	%100
79	MP3C	X	-.313	-.313	0	%100
80	MP3C	Z	-.542	-.542	0	%100
81	MP5C	X	-.259	-.259	0	%100
82	MP5C	Z	-.448	-.448	0	%100
83	MP1B	X	-.259	-.259	0	%100
84	MP1B	Z	-.448	-.448	0	%100
85	MP2B	X	-.259	-.259	0	%100
86	MP2B	Z	-.448	-.448	0	%100
87	MP3B	X	-.313	-.313	0	%100
88	MP3B	Z	-.542	-.542	0	%100
89	MP5B	X	-.259	-.259	0	%100
90	MP5B	Z	-.448	-.448	0	%100
91	MP4C	X	-.259	-.259	0	%100
92	MP4C	Z	-.448	-.448	0	%100
93	MP4B	X	-.259	-.259	0	%100
94	MP4B	Z	-.448	-.448	0	%100
95	M104	X	-.235	-.235	0	%100
96	M104	Z	-.407	-.407	0	%100
97	M105	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
98	M105	Z	0	0	0	%100
99	M106	X	-.235	-.235	0	%100
100	M106	Z	-.407	-.407	0	%100
101	M113	X	-.274	-.274	0	%100
102	M113	Z	-.474	-.474	0	%100
103	M114	X	-.274	-.274	0	%100
104	M114	Z	-.474	-.474	0	%100
105	M115	X	0	0	0	%100
106	M115	Z	0	0	0	%100

Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M28	Y	-6.62	-7.17	0	.208
2	M28	Y	-7.17	-5.296	.208	.416
3	M28	Y	-5.296	-1.587	.416	.624
4	M28	Y	-1.587	-.027	.624	.831
5	M28	Y	-.027	-.027	.831	1.039
6	M29	Y	-8.307	-5.486	0	.083
7	M29	Y	-5.486	-2.665	.083	.167
8	M31	Y	-.067	-.067	4.157	4.364
9	M31	Y	-.067	-1.633	4.364	4.572
10	M31	Y	-1.633	-5.721	4.572	4.78
11	M31	Y	-5.721	-7.571	4.78	4.988
12	M31	Y	-7.571	-6.224	4.988	5.196
13	M33	Y	-8.43	-5.695	0	.083
14	M33	Y	-5.695	-2.961	.083	.167
15	M28	Y	-.104	-.104	4.157	4.365
16	M28	Y	-.104	-1.227	4.365	4.572
17	M28	Y	-1.227	-5.553	4.572	4.78
18	M28	Y	-5.553	-7.713	4.78	4.988
19	M28	Y	-7.713	-5.627	4.988	5.196
20	M30	Y	-1.847	-7.855	0	.056
21	M30	Y	-7.855	-8.09	.056	.111
22	M30	Y	-8.09	-2.554	.111	.167
23	M34	Y	-5.997	-7.429	0	.208
24	M34	Y	-7.429	-5.672	.208	.416
25	M34	Y	-5.672	-1.635	.416	.623
26	M34	Y	-1.635	-.072	.623	.831
27	M34	Y	-.072	-.072	.831	1.039
28	M35	Y	-8.191	-5.425	0	.083
29	M35	Y	-5.425	-2.658	.083	.167
30	M31	Y	-5.849	-8.032	0	.208
31	M31	Y	-8.032	-5.764	.208	.416
32	M31	Y	-5.764	-1.256	.416	.623
33	M31	Y	-1.256	-.109	.623	.831
34	M31	Y	-.109	-.109	.831	1.039
35	M32	Y	-8.43	-5.695	0	.083
36	M32	Y	-5.695	-2.961	.083	.167
37	M34	Y	-.028	-.028	4.157	4.364
38	M34	Y	-.028	-1.587	4.364	4.572
39	M34	Y	-1.587	-5.295	4.572	4.78
40	M34	Y	-5.295	-7.169	4.78	4.988
41	M34	Y	-7.169	-6.619	4.988	5.196
42	M36	Y	-8.301	-5.482	0	.083
43	M36	Y	-5.482	-2.663	.083	.167
44	M63A	Y	-19.534	-18.069	0	1.013

Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M63A	Y	-18.069	-12.957	1.013	2.025
46	M63A	Y	-12.957	-9.183	2.025	3.038
47	M63A	Y	-9.183	-5.832	3.038	4.05
48	M63A	Y	-5.832	-.104	4.05	5.063
49	M64A	Y	-.715	-6.967	.563	1.575
50	M64A	Y	-6.967	-11.485	1.575	2.588
51	M64A	Y	-11.485	-14.818	2.588	3.601
52	M64A	Y	-14.818	-16.884	3.601	4.614
53	M64A	Y	-16.884	-17.134	4.614	5.626
54	M1	Y	-.158	-5.82	.563	1.575
55	M1	Y	-5.82	-9.007	1.575	2.587
56	M1	Y	-9.007	-12.803	2.587	3.6
57	M1	Y	-12.803	-17.488	3.6	4.612
58	M1	Y	-17.488	-17.863	4.612	5.625
59	M68	Y	-17.794	-16.825	0	1.013
60	M68	Y	-16.825	-15.346	1.013	2.025
61	M68	Y	-15.346	-12.36	2.025	3.038
62	M68	Y	-12.36	-7.1	3.038	4.051
63	M68	Y	-7.1	-.565	4.051	5.064
64	M78	Y	-7.106	-7.066	1.688	2.813
65	M78	Y	-7.066	-5.407	2.813	3.938
66	M78	Y	-5.407	-2.129	3.938	5.063
67	M59	Y	-2.972	-5.167	.563	1.407
68	M59	Y	-5.167	-9.095	1.407	2.251
69	M59	Y	-9.095	-6.031	2.251	3.094
70	M59	Y	-6.031	-.137	3.094	3.938
71	M74	Y	-.093	-2.327	0	.4
72	M74	Y	-2.327	-2.667	.4	.8
73	M74	Y	-2.667	-3.562	.8	1.2
74	M74	Y	-3.562	-5.418	1.2	1.6
75	M74	Y	-5.418	-5.708	1.6	2
76	M59	Y	.004	-.303	2.251	2.926
77	M59	Y	-.303	-1.28	2.926	3.601
78	M59	Y	-1.28	-2.947	3.601	4.276
79	M59	Y	-2.947	-3.979	4.276	4.951
80	M59	Y	-3.979	-4.05	4.951	5.626
81	M78	Y	-14.092	-14.006	0	.563
82	M78	Y	-14.006	-14.443	.563	1.125
83	M78	Y	-14.443	-15.136	1.125	1.688
84	M78	Y	-15.136	-7.673	1.688	2.25
85	M78	Y	-7.673	.004	2.25	2.813
86	M74	Y	-2.376	-8.537	0	1
87	M74	Y	-8.537	-14.698	1	2

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M28	Y	-8.091	-8.763	0	.208
2	M28	Y	-8.763	-6.472	.208	.416
3	M28	Y	-6.472	-1.94	.416	.624
4	M28	Y	-1.94	-.034	.624	.831
5	M28	Y	-.034	-.034	.831	1.039
6	M29	Y	-10.153	-6.705	0	.083
7	M29	Y	-6.705	-3.257	.083	.167
8	M31	Y	-.082	-.082	4.157	4.364
9	M31	Y	-.082	-1.995	4.364	4.572
10	M31	Y	-1.995	-6.992	4.572	4.78

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M31	Y	-6.992	-9.253	4.78	4.988
12	M31	Y	-9.253	-7.607	4.988	5.196
13	M33	Y	-10.303	-6.961	0	.083
14	M33	Y	-6.961	-3.619	.083	.167
15	M28	Y	-.127	-.127	4.157	4.365
16	M28	Y	-.127	-1.5	4.365	4.572
17	M28	Y	-1.5	-6.787	4.572	4.78
18	M28	Y	-6.787	-9.427	4.78	4.988
19	M28	Y	-9.427	-6.877	4.988	5.196
20	M30	Y	-2.257	-9.6	0	.056
21	M30	Y	-9.6	-9.888	.056	.111
22	M30	Y	-9.888	-3.122	.111	.167
23	M34	Y	-7.329	-9.08	0	.208
24	M34	Y	-9.08	-6.933	.208	.416
25	M34	Y	-6.933	-1.999	.416	.623
26	M34	Y	-1.999	-.088	.623	.831
27	M34	Y	-.088	-.088	.831	1.039
28	M35	Y	-10.011	-6.63	0	.083
29	M35	Y	-6.63	-3.249	.083	.167
30	M31	Y	-7.148	-9.817	0	.208
31	M31	Y	-9.817	-7.045	.208	.416
32	M31	Y	-7.045	-1.535	.416	.623
33	M31	Y	-1.535	-.133	.623	.831
34	M31	Y	-.133	-.133	.831	1.039
35	M32	Y	-10.303	-6.961	0	.083
36	M32	Y	-6.961	-3.619	.083	.167
37	M34	Y	-.034	-.034	4.157	4.364
38	M34	Y	-.034	-1.94	4.364	4.572
39	M34	Y	-1.94	-6.472	4.572	4.78
40	M34	Y	-6.472	-8.762	4.78	4.988
41	M34	Y	-8.762	-8.09	4.988	5.196
42	M36	Y	-10.145	-6.7	0	.083
43	M36	Y	-6.7	-3.255	.083	.167
44	M63A	Y	-23.875	-22.084	0	1.013
45	M63A	Y	-22.084	-15.837	1.013	2.025
46	M63A	Y	-15.837	-11.224	2.025	3.038
47	M63A	Y	-11.224	-7.128	3.038	4.05
48	M63A	Y	-7.128	-.127	4.05	5.063
49	M64A	Y	-.874	-8.516	.563	1.575
50	M64A	Y	-8.516	-14.037	1.575	2.588
51	M64A	Y	-14.037	-18.11	2.588	3.601
52	M64A	Y	-18.11	-20.636	3.601	4.614
53	M64A	Y	-20.636	-20.942	4.614	5.626
54	M1	Y	-.194	-7.113	.563	1.575
55	M1	Y	-7.113	-11.009	1.575	2.587
56	M1	Y	-11.009	-15.648	2.587	3.6
57	M1	Y	-15.648	-21.374	3.6	4.612
58	M1	Y	-21.374	-21.832	4.612	5.625
59	M68	Y	-21.748	-20.563	0	1.013
60	M68	Y	-20.563	-18.756	1.013	2.025
61	M68	Y	-18.756	-15.107	2.025	3.038
62	M68	Y	-15.107	-8.678	3.038	4.051
63	M68	Y	-8.678	-.691	4.051	5.064
64	M78	Y	-8.686	-8.636	1.688	2.813
65	M78	Y	-8.636	-6.608	2.813	3.938
66	M78	Y	-6.608	-2.602	3.938	5.063
67	M59	Y	-3.633	-6.315	.563	1.407

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
68	M59	Y	-6.315	-11.116	1.407	2.251
69	M59	Y	-11.116	-7.372	2.251	3.094
70	M59	Y	-7.372	-.168	3.094	3.938
71	M74	Y	-.114	-2.844	0	.4
72	M74	Y	-2.844	-3.26	.4	.8
73	M74	Y	-3.26	-4.354	.8	1.2
74	M74	Y	-4.354	-6.622	1.2	1.6
75	M74	Y	-6.622	-6.977	1.6	2
76	M59	Y	.004	-.37	2.251	2.926
77	M59	Y	-.37	-1.565	2.926	3.601
78	M59	Y	-1.565	-3.602	3.601	4.276
79	M59	Y	-3.602	-4.863	4.276	4.951
80	M59	Y	-4.863	-4.95	4.951	5.626
81	M78	Y	-17.223	-17.119	0	.563
82	M78	Y	-17.119	-17.653	.563	1.125
83	M78	Y	-17.653	-18.5	1.125	1.688
84	M78	Y	-18.5	-9.378	1.688	2.25
85	M78	Y	-9.378	.005	2.25	2.813
86	M74	Y	-2.905	-10.435	0	1
87	M74	Y	-10.435	-17.965	1	2

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N431	N431A	N44	N45	Y	A-B	-.009
2	N429A	N432	N25	N24	Y	A-B	-.009
3	N433	N430A	N5	N4	Y	A-B	-.009
4	N45	N24	N398C	N399C	Y	A-B	-.009
5	N405B	N5	N44	N404B	Y	B-C	-.009
6	N424A	N79	N80	N425B	Y	A-D	-.009
7	N422A	N423A	N425B	N25	Y	A-D	-.009
8	N4	N424A	N458	N461	Y	B-C	-.009

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N431	N431A	N44	N45	Y	A-B	-.011
2	N429A	N432	N25	N24	Y	A-B	-.011
3	N433	N430A	N5	N4	Y	A-B	-.011
4	N45	N24	N398C	N399C	Y	A-B	-.011
5	N405B	N5	N44	N404B	Y	B-C	-.011
6	N424A	N79	N80	N425B	Y	A-D	-.011
7	N422A	N423A	N425B	N25	Y	A-D	-.011
8	N4	N424A	N458	N461	Y	B-C	-.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	N414A	max	1626.854	11	2986.432	19	2952.081	1	.143	1	.576	11	1.125	4
2		min	-1529.59	5	503.689	1	-1158.643	7	-2.003	19	-.52	5	-.988	10
3	N394A	max	2788.678	10	2888.97	15	1373.808	2	1.336	1	.451	7	1.845	16
4		min	-1198.806	4	515.006	9	-2186.056	8	-.634	7	-.502	1	-.303	10
5	N396A	max	1106.312	10	2526.386	23	1381.058	12	1.315	1	.407	12	.409	4
6		min	-2793.334	4	301.152	5	-2361.137	6	-.59	7	-.412	6	-1.617	10
7	Totals:	max	5422.456	10	7835.789	24	5121.102	1						
8		min	-5422.451	4	2810.009	69	-5121.09	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M68	C5X6.7	.670	.059	12	.290	4.63	z	11	23293.25	63828	1.604	9.585	1....	H1-1b
2	M64A	C5X6.7	.666	5.568	3	.238	.996	z	4	23293.25	63828	1.604	9.585	2....	H1-1b
3	M34	C5X6.7	.579	2.598	22	.249	2.598	y	16	27068.664	63828	1.604	9.585	1....	H1-1b
4	M68A	C5X6.7	.565	1.25	12	.226	.417	z	4	60736.436	63828	1.604	9.585	1....	H1-1b
5	M59	C5X6.7	.562	5.568	7	.345	3.048	y	2	51280.376	63828	1.604	9.459	1	H1-1b
6	M63A	C5X6.7	.525	.059	5	.288	4.629	z	3	23303.983	63828	1.604	9.585	1....	H1-1b
7	M67A	C5X6.7	.516	0	7	.167	.417	z	8	60736.436	63828	1.604	9.585	1....	H1-1b
8	M78	C5X6.7	.493	.059	4	.156	.059	z	2	23303.983	63828	1.604	9.585	3....	H1-1b
9	M1	C5X6.7	.490	5.566	5	.297	5.566	z	12	23303.983	63828	1.604	9.585	3....	H1-1b
10	M31	C5X6.7	.476	2.598	15	.175	2.598	y	21	27068.664	63828	1.604	9.585	1....	H1-1b
11	M28	C5X6.7	.465	2.598	19	.172	2.598	y	13	27068.664	63828	1.604	9.585	1....	H1-1b
12	M75	C5X6.7	.437	0	5	.297	0	z	12	60736.436	63828	1.604	9.585	1....	H1-1b
13	M74	C5X6.7	.362	2	9	.213	1.583	z	2	56209.884	63828	1.604	9.585	1....	H1-1b
14	M76	L2x2x3	.273	2.042	8	.023	3.719	y	2	3497.983	23392.8	.558	1.124	2....	H2-1
15	M73	C5X6.7	.266	0	18	.108	.168	z	20	45924.549	63828	1.604	9.585	1....	H1-1b
16	MP3B	PIPE_2.5	.227	4.333	5	.106	2.917		7	30038.461	50715	3.596	3.596	1....	H1-1b
17	MP2C	PIPE_2.0	.221	4.25	5	.099	4.25		4	13511.278	32130	1.872	1.872	1....	H1-1b
18	MP4A	PIPE_2.0	.211	4.25	17	.092	4.25		6	13511.278	32130	1.872	1.872	1....	H1-1b
19	MP2B	PIPE_2.0	.206	4.25	1	.101	4.25		12	13511.278	32130	1.872	1.872	1....	H1-1b
20	M77A	HSS3X3X6	.198	1.75	20	.154	1.75	y	5	136661.4...	140346	11.213	11.213	3....	H1-1b
21	MP1A	PIPE_2.0	.194	4.25	9	.067	2.479		8	13511.278	32130	1.872	1.872	1....	H1-1b
22	M75B	L2x2x3	.194	2.042	1	.024	1.969	y	10	3497.983	23392.8	.558	1.109	2....	H2-1
23	M66	HSS3X3X6	.191	1.75	14	.151	1.167	z	6	136661.4...	140346	11.213	11.213	3....	H1-1b
24	MP3C	PIPE_2.5	.191	4.333	11	.110	2.917		12	30038.461	50715	3.596	3.596	1....	H1-1b
25	MP3A	PIPE_2.5	.191	4.333	11	.114	4.333		5	30038.461	50715	3.596	3.596	1....	H1-1b
26	MP5A	PIPE_2.0	.188	4.25	5	.050	4.25		6	13511.278	32130	1.872	1.872	1....	H1-1b
27	MP2A	PIPE_2.0	.187	4.25	21	.074	4.25		8	13511.278	32130	1.872	1.872	1....	H1-1b
28	MP4C	PIPE_2.0	.186	4.25	1	.078	2.922		2	13511.278	32130	1.872	1.872	1....	H1-1b
29	M67	HSS3X3X6	.180	1.75	12	.128	1.75	y	1	136661.4...	140346	11.213	11.213	3....	H1-1b
30	MP5C	PIPE_2.0	.170	4.25	1	.058	2.479		2	13511.278	32130	1.872	1.872	2....	H1-1b
31	MP4B	PIPE_2.0	.158	4.25	21	.082	2.922		10	13511.278	32130	1.872	1.872	1....	H1-1b
32	MP5B	PIPE_2.0	.156	4.25	10	.049	2.479		22	13511.278	32130	1.872	1.872	1....	H1-1b
33	M114	L3X3X4	.144	0	12	.038	0	z	4	44642.859	46656	1.688	3.756	1....	H2-1
34	M113	L3X3X4	.143	0	3	.018	0	z	2	44642.859	46656	1.688	3.756	1....	H2-1
35	M115	L3X3X4	.128	0	8	.039	0	z	48	44642.859	46656	1.688	3.756	1....	H2-1
36	M104	PIPE_2.5	.122	5.63	18	.048	5.63		7	16476.677	50715	3.596	3.596	1....	H1-1b
37	M105	PIPE_2.5	.118	5.753	16	.044	1.346		3	16476.677	50715	3.596	3.596	1....	H1-1b
38	M106	PIPE_2.5	.112	5.753	12	.055	5.63		11	16476.677	50715	3.596	3.596	1....	H1-1b
39	MP1C	PIPE_2.0	.110	4.25	3	.028	4.25		12	13511.278	32130	1.872	1.872	1....	H1-1b
40	MP1B	PIPE_2.0	.110	4.25	11	.028	4.25		8	13511.278	32130	1.872	1.872	1....	H1-1b
41	M79	SR_0.75	.099	1.167	11	.044	0		3	10673.232	14313.866	.179	.179	2....	H1-1b
42	M80	SR_0.75	.098	1.167	11	.043	0		3	10673.232	14313.866	.179	.179	2....	H1-1b
43	M78B	SR_0.75	.085	1.167	11	.040	0		2	10673.232	14313.866	.179	.179	2....	H1-1b
44	M83	SR_0.75	.070	1.167	11	.036	0		2	10673.232	14313.866	.179	.179	2.3	H1-1b
45	M81A	SR_0.75	.062	0	5	.026	0		3	10673.232	14313.866	.179	.179	2....	H1-1b
46	M63B	PL5/16x10	.021	.833	4	.015	0	y	4	53021.096	101250	.659	21.094	2....	H1-1b
47	M69	PL5/16x10	.020	.833	12	.015	0	y	11	53021.096	101250	.659	21.094	2....	H1-1b
48	M77	SR_0.75	.019	1.167	5	.023	0		8	10673.232	14313.866	.179	.179	2....	H1-1b
49	M66B	PL5/16x10	.014	.833	3	.008	.833	y	15	53021.096	101250	.659	21.094	2....	H1-1b
50	M82A	SR_0.75	.014	0	10	.022	0		20	10673.232	14313.866	.179	.179	2....	H1-1b
51	M49	PL5/16x10	.014	.833	8	.008	0	y	8	53021.096	101250	.659	21.094	2....	H1-1b
52	M72	PL5/16x10	.013	.833	11	.007	.833	y	23	53021.096	101250	.659	21.094	2....	H1-1b
53	M52	PL5/16x10	.008	.833	8	.002	0	y	49	53021.096	101250	.659	21.094	2....	H1-1b

2000 Midlantic Drive
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Mt. Laurel, NJ 08054
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Plate Check:

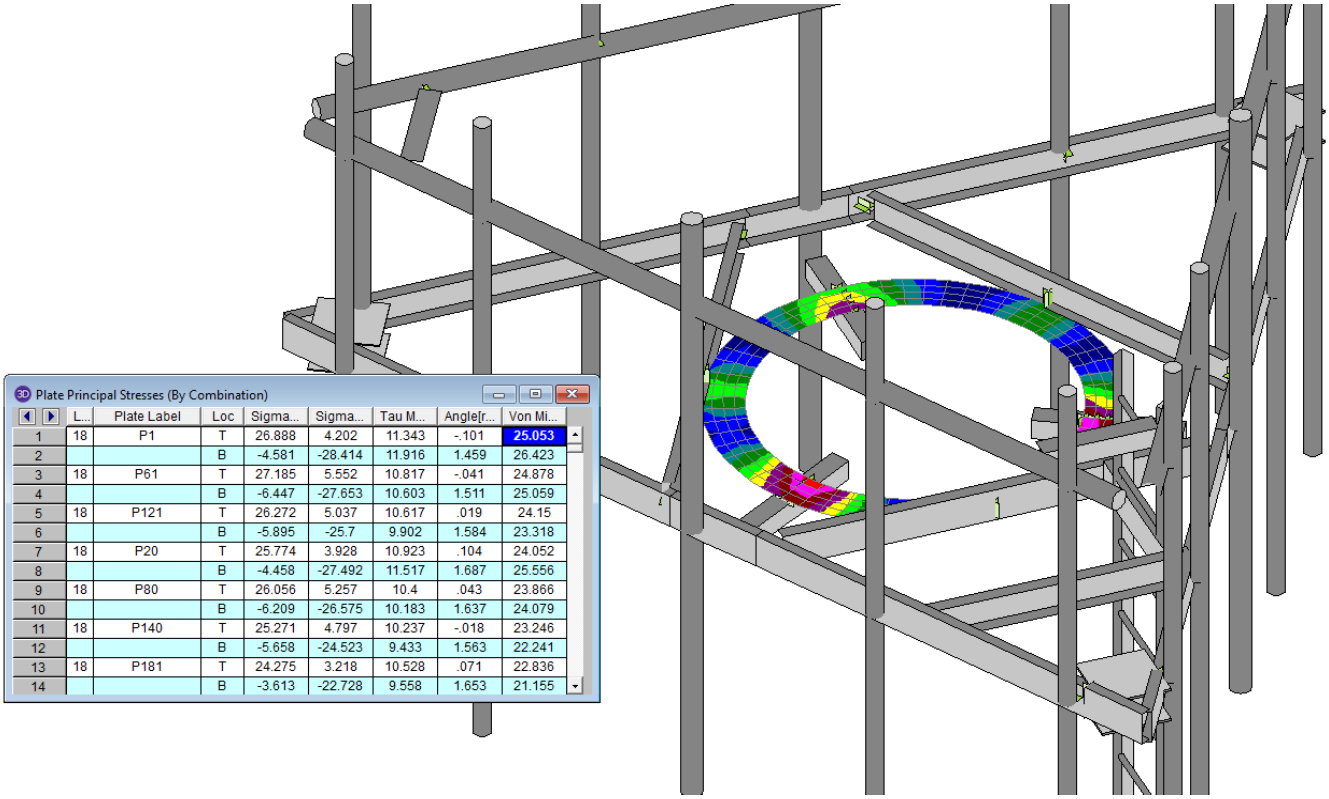


Plate Principal Stresses (By Combination)

	L...	Plate Label	Loc	Sigma...	Sigma...	Tau M...	Angle[r...	Von Mi...
1	18	P1	T	26.888	4.202	11.343	-.101	25.053
2			B	-4.581	-28.414	11.916	1.459	26.423
3	18	P61	T	27.185	5.552	10.817	-.041	24.878
4			B	-6.447	-27.653	10.603	1.511	25.059
5	18	P121	T	26.272	5.037	10.617	.019	24.15
6			B	-5.895	-25.7	9.902	1.584	23.318
7	18	P20	T	25.774	3.928	10.923	.104	24.052
8			B	-4.458	-27.492	11.517	1.687	25.556
9	18	P80	T	26.056	5.257	10.4	.043	23.866
10			B	-6.209	-26.575	10.183	1.637	24.079
11	18	P140	T	25.271	4.797	10.237	-.018	23.246
12			B	-5.658	-24.523	9.433	1.563	22.241
13	18	P181	T	24.275	3.218	10.528	.071	22.836
14			B	-3.613	-22.728	9.558	1.653	21.155

Maximum Applied Stress: $\sigma_{app} := 26.423 \cdot ksi$ (Obtained from Risa 3D)

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

Stress Check:

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

$Check = \text{"OK"}$

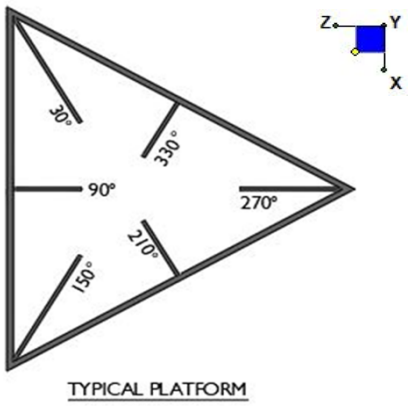
Client:	Verizon Wireless	Date:	11/18/2021
Site Name:	TRUMBULL 3 CT		
Project No.	21777056A		
Title:	Mount Fix	Page:	1

Version 3.1

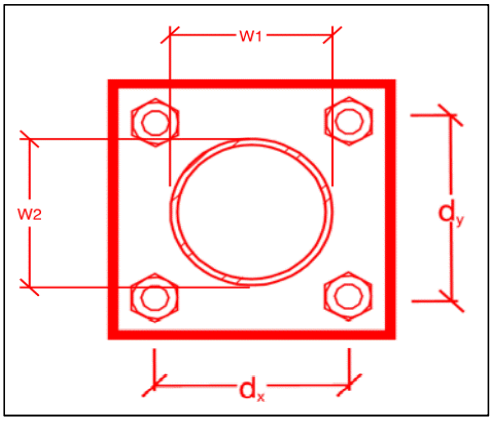
I. Mount-to-Tower Connection Check

RISA Model Data

Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N414A	90
N396A	330
N394A	210



TYPICAL PLATFORM



Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	2.15
Weld Capacity:	**51.5%**

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

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

Base Requirements:

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

Photo Requirements:

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

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

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

Material Certification:

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

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

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

OR

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

Antenna & equipment placement and Geometry Confirmation:

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

OR

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

Comments:

Certifying Individual:

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

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

☐ Yes ☐ No

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

Issue:

Response:

Contractor certifies that the climbing facility / safety climb was not damaged or obstructed prior to starting work:

☐ Yes ☐ No

Contractor certifies no new damage/obstructions created during the current installation:

☐ Yes ☐ No

Contractor to certify the condition of the safety climb and verify no obstructions when leaving the site:

☐ Safety climb in good condition with no obstructions ☐ Safety Climb Damaged
☐ Safety Climb Obstructed

Comments:

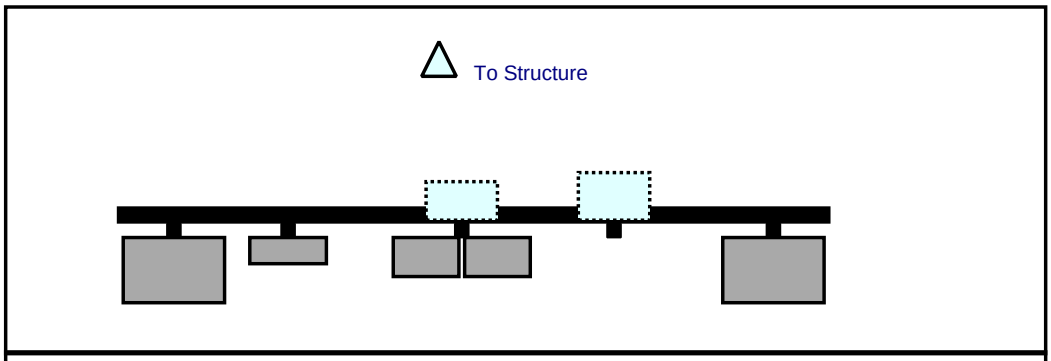
Structure: 467579-VZW - TRUMBULL 3 CT

Sector: **A** 11/18/2021

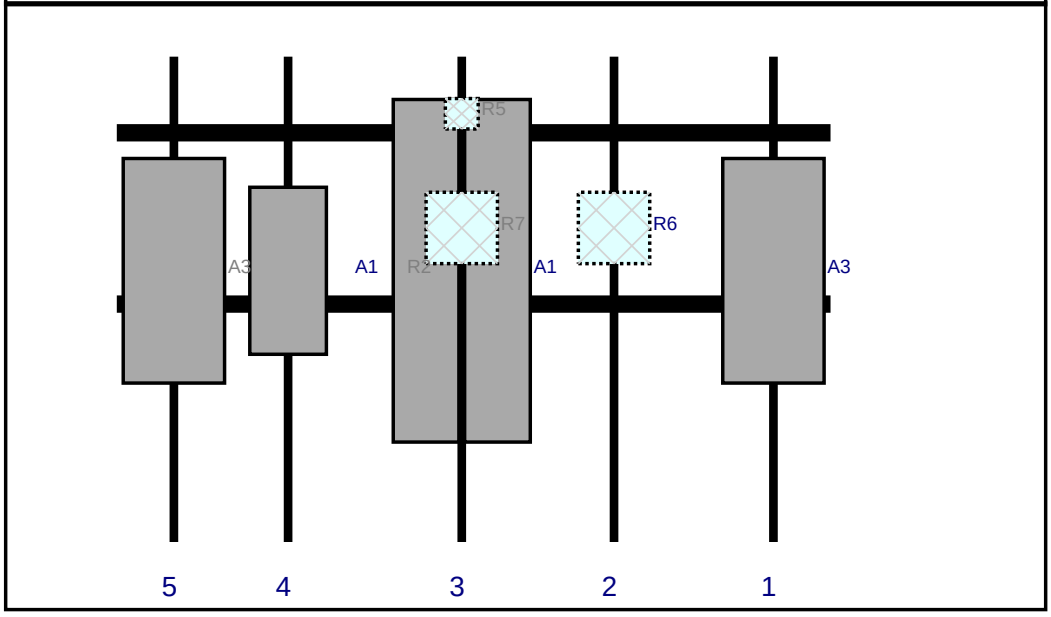
Structure Type: Monopole 10117735

Mount Elev: 154.50 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
A3	LPA-4016	47.2	21.3	138	1	a	Front	45	0	Retained	03/08/2021
R6	B2/B66A RRH-BR049	15	15	104.5	2	a	Behind	36	0	Added	
A1	JAHH-65B-R3B	72	13.8	72.5	3	a	Front	45	7.5	Added	
A1	JAHH-65B-R3B	72	13.8	72.5	3	b	Front	45	-7.5	Added	
R5	CBC78T-DS-43-2X	6.4	6.9	72.5	3	a	Behind	12	0	Added	
R7	B5/B13 RRH-BR04C	15	15	72.5	3	a	Behind	36	0	Added	
R2	MT6407-77A	35.1	16.1	36	4	a	Front	45	0	Added	
A3	LPA-4016	47.2	21.3	12	5	a	Front	45	0	Retained	03/08/2021

Structure: 467579-VZW - TRUMBULL 3 CT

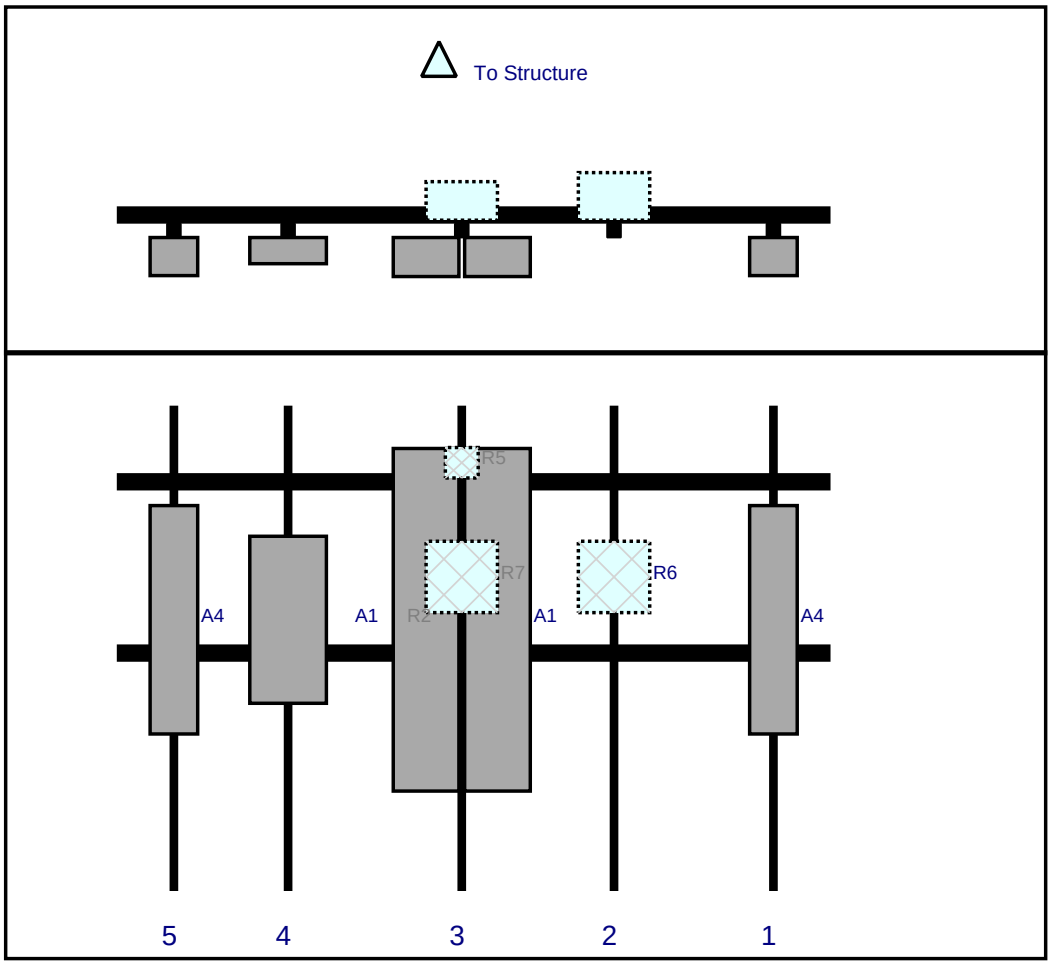
Sector: **B** 11/18/2021

Structure Type: Monopole 10117735

Mount Elev: 154.50 Page: 2

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	DB844G65A-XY	48	10	138	1	a	Front	45	0	Retained	03/08/2021
R6	B2/B66A RRH-BR049	15	15	104.5	2	a	Behind	36	0	Added	
A1	JAHH-65B-R3B	72	13.8	72.5	3	a	Front	45	7.5	Added	
A1	JAHH-65B-R3B	72	13.8	72.5	3	b	Front	45	-7.5	Added	
R5	CBC78T-DS-43-2X	6.4	6.9	72.5	3	a	Behind	12	0	Added	
R7	B5/B13 RRH-BR04C	15	15	72.5	3	a	Behind	36	0	Added	
R2	MT6407-77A	35.1	16.1	36	4	a	Front	45	0	Added	
A4	DB844G65A-XY	48	10	12	5	a	Front	45	0	Retained	03/08/2021

Structure: 467579-VZW - TRUMBULL 3 CT

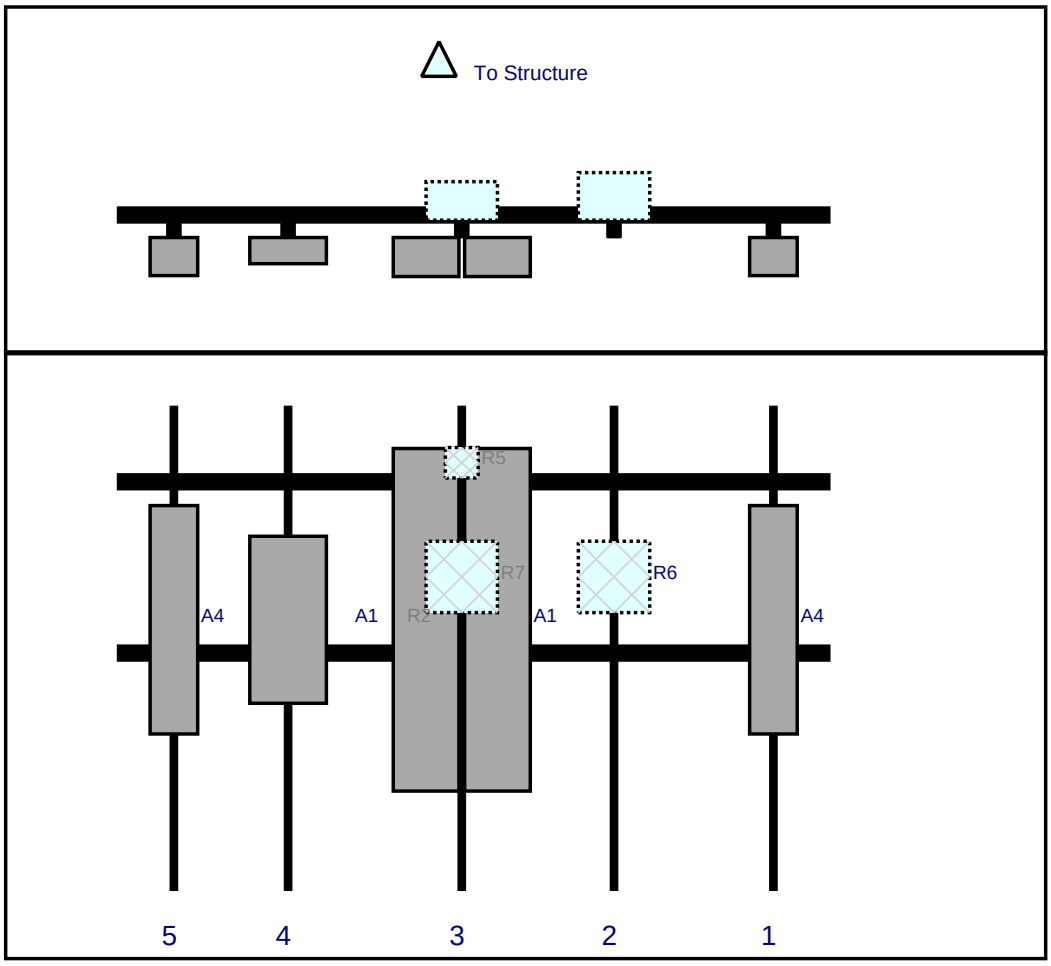
Sector: **C** 11/18/2021

Structure Type: Monopole 10117735

Mount Elev: 154.50 Page: 3

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	DB844G65A-XY	48	10	138	1	a	Front	45	0	Retained	03/08/2021
R6	B2/B66A RRH-BR049	15	15	104.5	2	a	Behind	36	0	Added	
A1	JAHH-65B-R3B	72	13.8	72.5	3	a	Front	45	7.5	Added	
A1	JAHH-65B-R3B	72	13.8	72.5	3	b	Front	45	-7.5	Added	
R5	CBC78T-DS-43-2X	6.4	6.9	72.5	3	a	Behind	12	0	Added	
R7	B5/B13 RRH-BR04C	15	15	72.5	3	a	Behind	36	0	Added	
R2	MT6407-77A	35.1	16.1	36	4	a	Front	45	0	Added	
A4	DB844G65A-XY	48	10	12	5	a	Front	45	0	Retained	03/08/2021

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	Site ID:	467579-VZW / TRUMBULL 3 CT
	Site Name:	TRUMBULL 3 CT
	Carrier Name:	Verizon Wireless
	Address:	307 Indian Park Dr. Trumbull, Connecticut 06611 Fairfield County
	Latitude:	41.273297°
	Longitude:	-73.213106°
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. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

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

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

Sincerely,

Peter Albano, PE
Project Manager

Exhibit F

Power Density/RF Emissions Report

Site Name: ***TRUMBULL 3 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	634	2534	155	0.0038	0.5007	0.76%
VZW CDMA	877.26	2	350	700	155	0.0010	0.5848	0.18%
VZW Cellular	874	4	725	2902	155	0.0043	0.5827	0.75%
VZW PCS	1980	4	1593	6372	155	0.0095	1.0000	0.95%
VZW AWS	2120	4	1633	6534	155	0.0098	1.0000	0.98%
VZW CBAND	3730.08	2	21627	43254	155	0.0647	1.0000	6.47%
Total Percentage of Maximum Permissible Exposure								10.09%

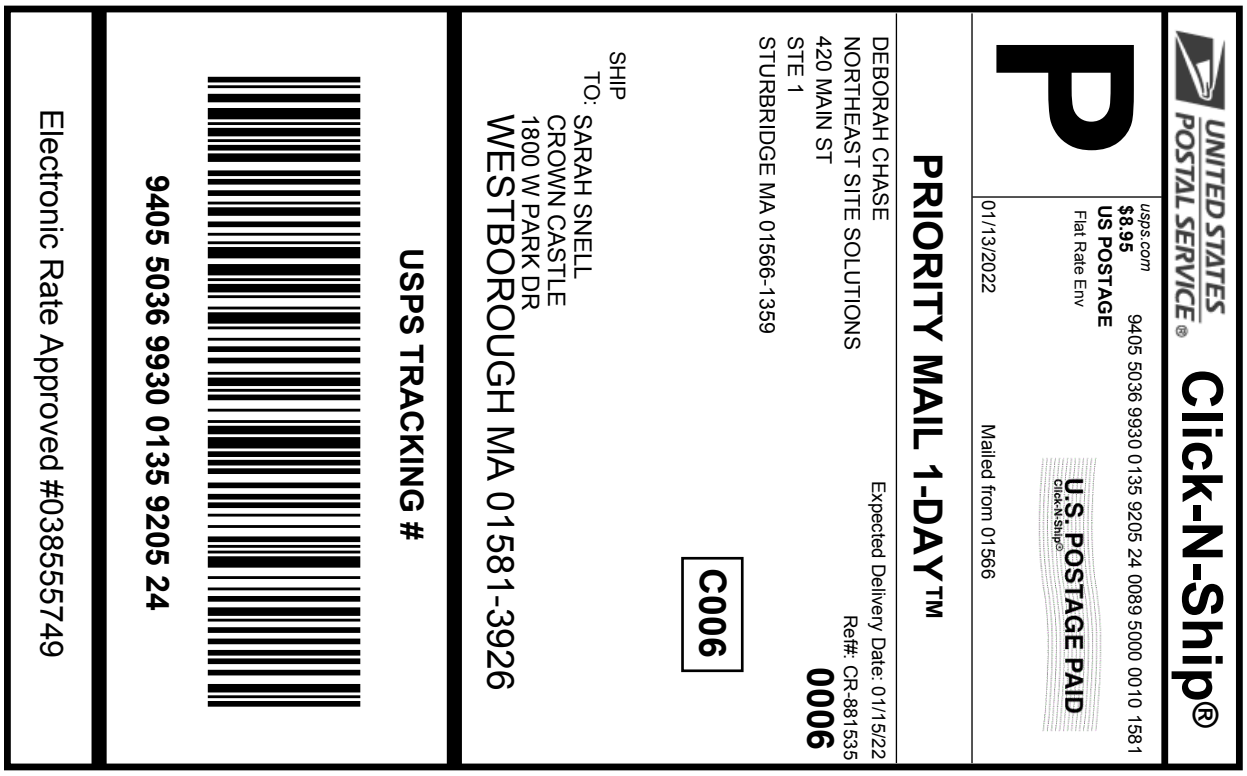
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification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

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0135 9205 24

Trans. #:	554022953
Print Date:	01/13/2022
Ship Date:	01/13/2022
Expected Delivery Date:	01/15/2022

Priority Mail® Postage:	**$8.95**
Total:	**$8.95**

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

Ref#: CR-881535

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

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

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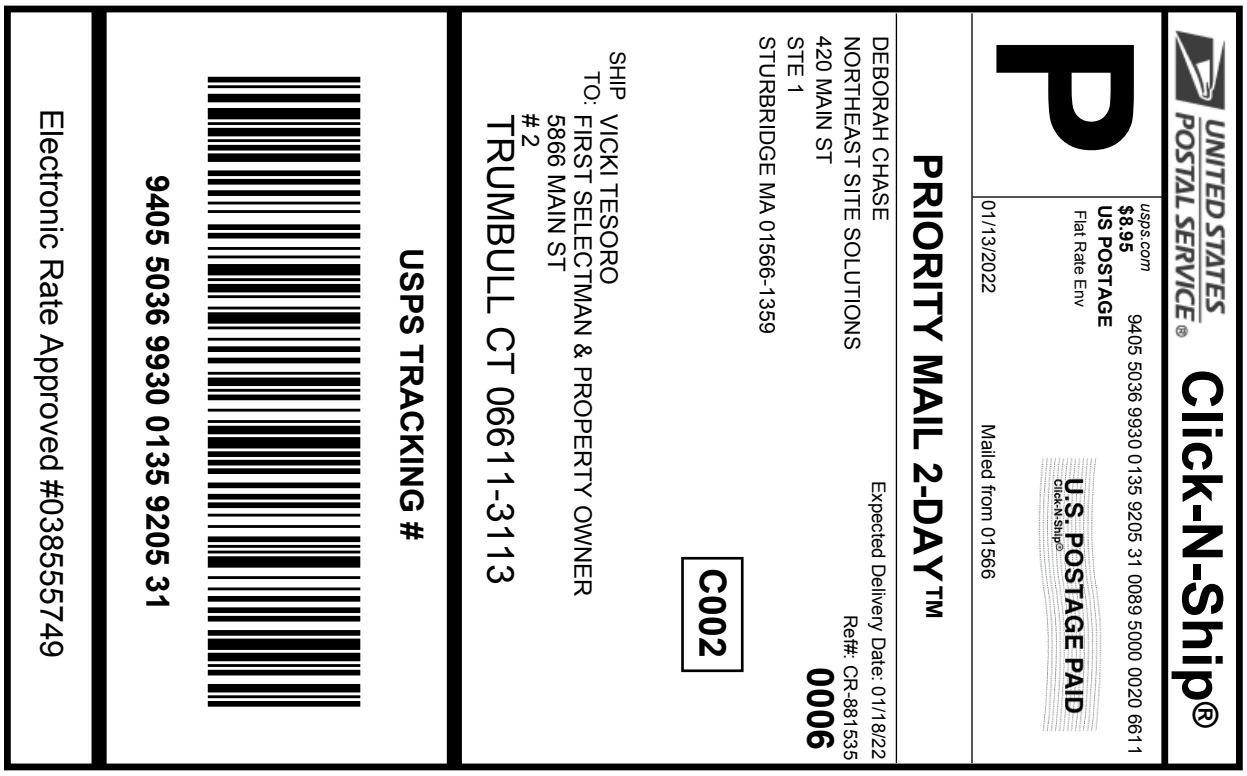
Check the status of your shipment on the USPS Tracking® page at usps.com



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Click-N-Ship® Label Record

USPS TRACKING # :
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Trans. #:	554022953
Print Date:	01/13/2022
Ship Date:	01/13/2022
Expected Delivery Date:	01/18/2022

Priority Mail® Postage:	**$8.95**
Total:	**$8.95**

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

Ref#: CR-881535

To: VICKI TESORO
FIRST SELECTMAN & PROPERTY OWNER
5866 MAIN ST
2
TRUMBULL CT 06611-3113

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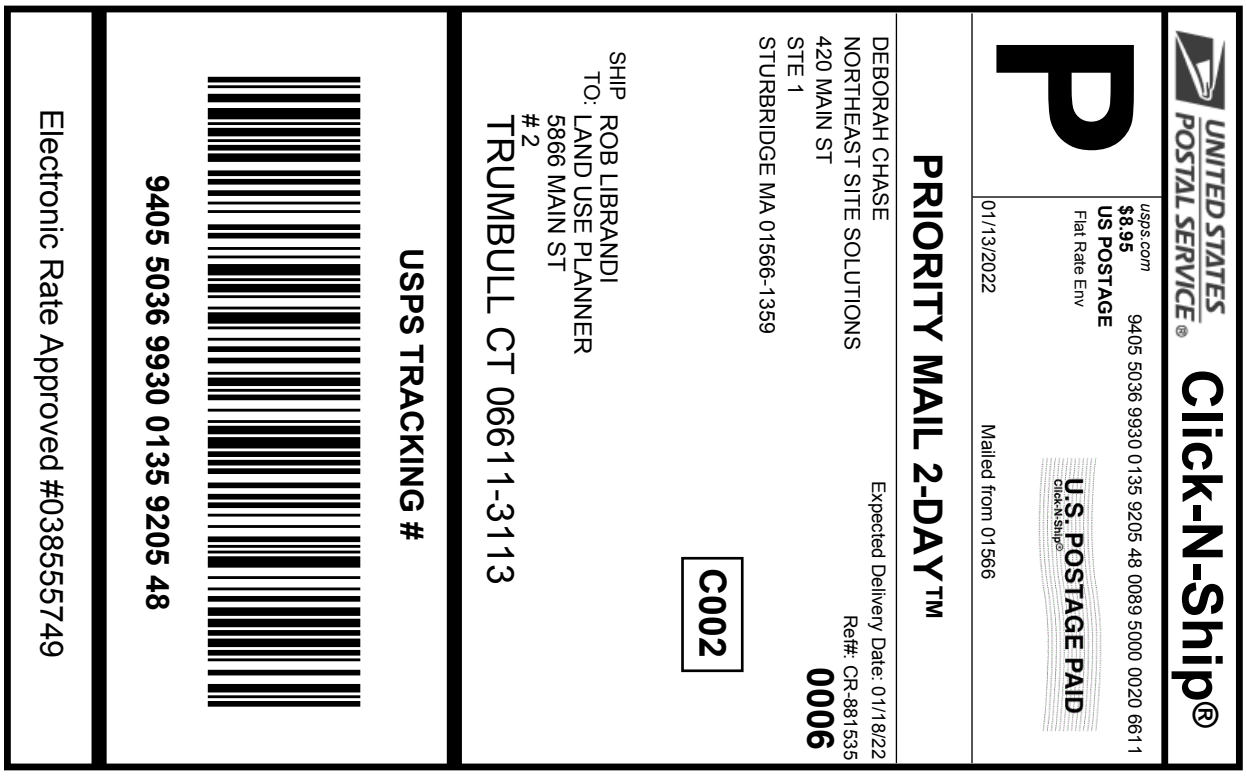
Check the status of your shipment on the USPS Tracking® page at usps.com



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

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0135 9205 48

Trans. #:	554022953
Print Date:	01/13/2022
Ship Date:	01/13/2022
Expected Delivery Date:	01/18/2022

Priority Mail® Postage:	**$8.95**
Total:	**$8.95**

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

Ref#: CR-881535

To: ROB LIBRANDI
LAND USE PLANNER
5866 MAIN ST
2
TRUMBULL CT 06611-3113

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

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881535

UNITED STATES POSTAL SERVICE.

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

01/14/2022 03:07 PM

Product	Qty	Unit Price	Price
Prepaid Mail Westborough, MA 01581 Weight: 0 lb 1.90 oz Acceptance Date: Fri 01/14/2022 Tracking #: 9405 5036 9930 0135 9205 24	1		$0.00
Prepaid Mail Trumbull, CT 06611 Weight: 0 lb 8.50 oz Acceptance Date: Fri 01/14/2022 Tracking #: 9405 5036 9930 0135 9205 48	1		$0.00
Prepaid Mail Trumbull, CT 06611 Weight: 0 lb 8.50 oz Acceptance Date: Fri 01/14/2022 Tracking #: 9405 5036 9930 0135 9205 31	1		$0.00
Grand Total:			$0.00