NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

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

November 18, 2021

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

RE: Exempt Modification Application
471 South Quaker Lane, West Hartford, CT 06110
Latitude: 41.748750
Longitude: -72.731333
Site #: 829013_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 471 South Quaker Lane, West Hartford, CT 06110. Verizon Wireless currently maintains twelve (12) antennas at the 100-foot level of the existing 120-foot tower. The property is owned by the Church of St. Mark the Evangelist Corp. and the tower is owned by Crown Castle. Verizon now intends to replace nine (9) antennas. The new antennas would be installed at the 100-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable. Mount modifications will be installed per the attached Maser Mount Analysis report dated September 10, 2021.

Verizon Planned Modifications:

Remove: None

Remove and Replace:
(3) SBNH-1D65B Antennas (REMOVE) – (3) MT6407-77A Antennas (REPLACE)
(3) SBNH-1D65B Antennas (REMOVE) – (3) NHH-65B-R2B Antennas (REPLACE)
(3) LNX-6514DS Antennas (REMOVE) – (3) NHHSS-65B-R2B Antennas (REPLACE)
(3) Nokia B4 RRH (REMOVE) - (3) Samsung RF4439D-25A (REPLACE)
(3) Nokia B13 RRH (REMOVE) - (3) Samsung RF4440D-13A (REPLACE)
(1) Raycap OVP - (REMOVE) - (1) Raycap RVZDC-6627-PF-48 (REPLACE)

Install New:
(3) Samsung RT4401-48A
(2) Hybrid Lines

Existing to Remain:
(3) ANTEL Antennas
(6) 1-5/8" Coax

The facility was approved by the Town of West Hartford Town Plan & Zoning Commission on March 6, 2000. Please see attached.

NORTHEAST SITE SOLUTIONS

Turnkey Wireless Development

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies§ 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.SA. § 16-SOj-73, a copy of this letter is being sent to Mayor Shari Cantor, Matthew Hart, Town Manager, and Todd Dumais, Town Planner for the Town of West Hartford. A copy is also being sent to the tower owner and property owner.

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

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

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

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

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

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

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

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

Sincerely,

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

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Attachments

Cc: Mayor Shari Cantor
Town of West Hartford
50 South Main Street, West Hartford, CT 06107

Matthew Hart, Town Manager
Town of West Hartford
50 South Main Street, West Hartford, CT 06107

Todd Dumais, Town Planner
Town of West Hartford
50 South Main Street, West Hartford, CT 06107

Church of St. Mark the Evangelist Corp.
471 South Quaker Lane, West Hartford, CT 06110

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

TOWN PLAN AND ZONING COMMISSION

CERTIFIED MAIL

March 10, 2000

Dennis Brown
Ominipoint Communications, Inc.
100 Filley Street
Bloomfield, CT 06002

SUBJECT: 457 South Quaker Lane – SUP #893

Dear Mr. Brown:

At its regular meeting of March 6, 2000 the West Hartford Town Plan and Zoning Commission gave consideration to the following item:

> **457 South Quaker Lane – St. Mark's Church** – Application (SUP #893) of the Archdiocese of Hartford, R.O., Omnipoint Communications, Inc., Dennis Brown of Omnipoint and Agent for Special Use Permit application. Omnipoint Communications, Inc. proposes to erect a 120 foot tall telecommunications monopole behind St. Mark's Rectory and abutting the right-of-way for Interstate 84. The 120 foot monopole would provide location for Omnipoint antenna and co-location for two other carriers. At the base of the monopole would be an equipment box the size of two filing cabinets. The site would be surrounded by a chain link fenced area, 50' x 50', with security gate and landscape buffering. (Submitted for TPZ receipt on February 7, 2000. Suggest required public hearing be scheduled for March 6, 2000. Required TPZ public hearing scheduled for March 6, 2000.)
> **R-6 ZONE**

After a review of the application and its related exhibits and after consideration of staff technical comments and the public hearing record, the TPZ acted by **majority vote** (Motion/Kearns; Second/Kappes) (Kappes seated for Wirth) to **CONDITIONALLY APPROVE** the subject application. During its discussions and deliberations on this matter, the Commission made the following findings:

1. **The landscape plan shall be revised to substitute the proposed hemlocks with Austrian Pines. The landscape plan shall provide the number, type and size of all proposed plantings.**
2. **As required by Section 177.16.7D(4) Telecommunication towers and antennas of the West Hartford Code of Ordinances the applicant shall make payment to the "Town Abandonment Fund". The applicant shall provide to the Town of West Hartford a statement setting forth the estimated cost of construction for the approved antennas, ancillary facilities and supporting structure, together with a payment equal to 5% of the estimated cost of the**

construction. The payment shall be deposited to the Tower Abandonment Fund.

3. **The proposed Special Use Permit will comply with the finding requirements of Section 177-42A(5a & 5b) of the West Hartford Code of Ordinances.**

You should now contact the Planning Staff to discuss the submission requirements for your plans. A ten dollar ($10) filing fee is required to file a notice of approval on the West Hartford Land Records. My staff will happy to assist you in completing these requirements. The TPZ approval is not final until the legal requirements for filing are completed. The effective date of approval is March 31, 2000.

If you have questions, please feel free to call the Planning Staff at 523-3123.

Very truly yours,

Donald R. Foster
Town Planner

C: Ronald Van Winkle, Director of Community
Kevin O'Connor, Corporation Counsel
Norma Cronin, Town Clerk
William Farrell, Town Engineer
Subject TPZ File

457Soqkr-Mar00

Exhibit B

Property Card

471 SOUTH QUAKER LANE

Location	471 SOUTH QUAKER LANE	**Mblu**	G11/ 5096/ 471/ /
Parcel ID	5096 1 471 0001	**Owner**	CHURCH OF ST MARK THE EVANGELIST CORP
Assessment	$4,434,850	**Appraisal**	$6,335,500
Vision Id #	18998	**Building Count**	3

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$4,499,800	$1,835,700	$6,335,500
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$3,149,860	$1,284,990	$4,434,850

Owner of Record

Owner	CHURCH OF ST MARK THE EVANGELIST CORP	**Sale Price**	$0
Co-Owner		**Certificate**	1
Address	C/O CROWN CASTLE PMB 331 4017 WASHINGTON ROAD MCMURRAY, PA 15317	**Book & Page**	0215/0042
		Sale Date	
		Instrument	U

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
CHURCH OF ST MARK THE EVANGELIST CORP	$0	1	0215/0042	U	

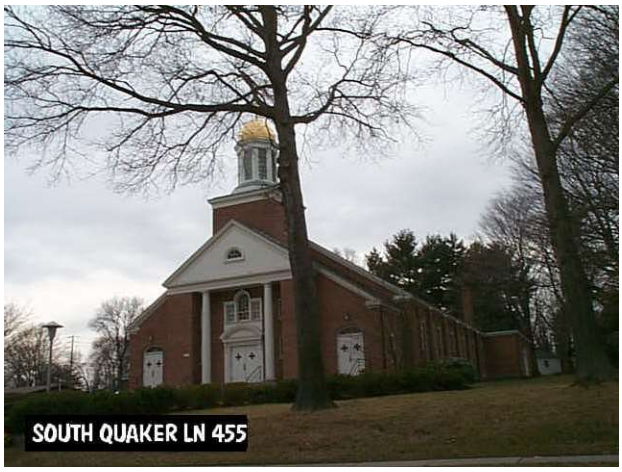
Building Information

Building 1 : Section 1

Year Built:	1945
Living Area:	3,580
Replacement Cost:	$592,451
Building Percent Good:	55
Replacement Cost Less Depreciation:	$325,800

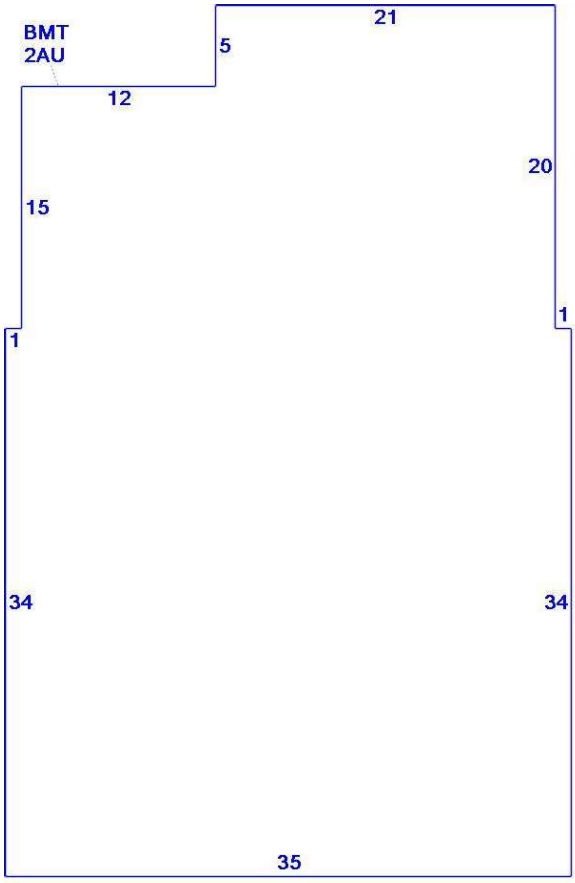
Building Attributes	
Field	**Description**
Style	Colonial
Model	Residential
Stories	2.0
Occupancy	1
Exterior Wall 1	Brick
Exterior Wall 2	
Roof Structure	Gable
Roof Cover	Asphalt
Interior Wall 1	Typical
Interior Wall 2	
Interior Flr 1	Typical
Interior Flr 2	
Heat Fuel	Oil
Heat Type:	Forced Air
AC Type:	Yes
# of Bedrooms	3
Full Bthrms:	4
Half Baths:	0
Extra Fixtures	0
Total Rooms:	12
Bath Style:	Typical
Kitchen Style:	Typical
Extra Kitchens	
Cndtn	14
Fireplaces	1
Prefab Fpl(s)	
Bsmt Egress	
Foundation	Conc Per Piers
Bsmt Garage(s)	None
Fin Bsmt/RRm	
Bsmt Rec Rm	
FBLA	
Int Condition	Typical
Attic Access	03
Dormer LF	
Usrfld 300	
Usrfld 301	

Building Photo



(http://images.vgsi.com/photos/WestHartfordCTPhotos/\00\01\69\27.JPG)

Building Layout



(ParcelSketch.ashx?pid=18998&bid=18998)

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
2AU	2 STORY U UNFIN ATT	1,790	3,580
BMT	BSMT UNFIN RES	1,790	0
		3,580	3,580

Building 2 : Section 1

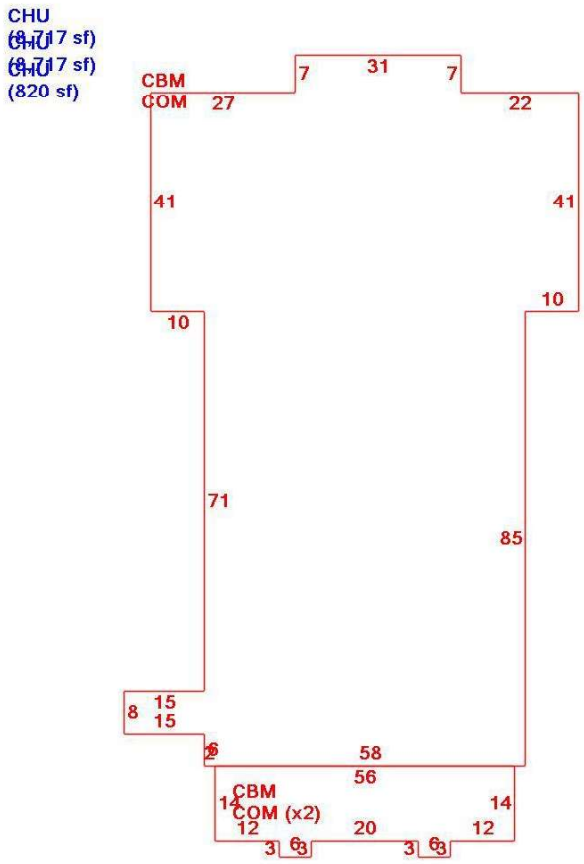
Year Built:	1945
Living Area:	18,254
Replacement Cost:	$4,041,758
Building Percent Good:	56
Replacement Cost Less Depreciation:	$2,263,400

Building Attributes : Bldg 2 of 3	
Field	**Description**
STYLE	Church
MODEL	Comm/Ind
Grade	B 0.90
Stories:	2
Occupancy	
Exterior Wall 1	Precast Panel
Exterior Wall 2	
Roof Structure	Gable
Roof Cover	Comp - Shingle
Interior Wall 1	Typical
Interior Wall 2	
Floor Type	Wood
Floor Cover	Carpet
Heating Fuel	Typical
Heating Type	Steam Boiler
AC Type	Central - Zone
As Built Use	CHUR
Bldg Use	Exempt Commercial
# of Bedrooms	
Total Baths	
Type	01
Wet Sprinkler	
Dry Sprinkler	
1st Floor Use:	
Class	Class B
Frame Type	Rigid Steel
Plumbing	LIGHT
Ceiling	Drywall
Group	CTA
Wall Height	17.00
Adjustment	

Building Photo

(http://images.vgsi.com/photos/WestHartfordCTPhotos//default.jpg)

Building Layout



(ParcelSketch.ashx?pid=18998&bid=30656)

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
CHU	CHURCH	18,254	18,254
CBM	BSMT COMM - NV	9,537	0
COM	COMMERCIAL - NV	10,357	0
		38,148	18,254

Building 3 : Section 1

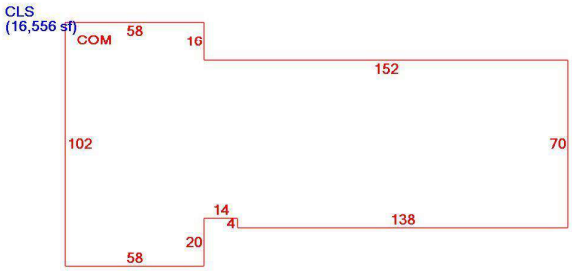
Year Built: 1970
Living Area: 16,556
Replacement Cost: $2,952,864
Building Percent Good: 64
Replacement Cost Less Depreciation: $1,889,800

Building Attributes : Bldg 3 of 3	
Field	**Description**
STYLE	Classroom
MODEL	Comm/Ind
Grade	C 1.10
Stories:	1
Occupancy	
Exterior Wall 1	Precast Panel
Exterior Wall 2	
Roof Structure	Gable
Roof Cover	Comp - Shingle
Interior Wall 1	Typical
Interior Wall 2	
Floor Type	Concrete Slab
Floor Cover	None
Heating Fuel	Typical
Heating Type	None
AC Type	None
As Built Use	RCLS
Bldg Use	Exempt Commercial
# of Bedrooms	
Total Baths	
Type	01
Wet Sprinkler	
Dry Sprinkler	
1st Floor Use:	
Class	Class C
Frame Type	Masonry
Plumbing	LIGHT
Ceiling	Not Applicable
Group	CTA
Wall Height	10.00
Adjustment	

Building Photo

(http://images.vgsi.com/photos/WestHartfordCTPhotos//default.jpg)

Building Layout



(ParcelSketch.ashx?pid=18998&bid=30657)

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
CLS	CLASS ROOM BLDG	16,556	16,556
COM	COMMERCIAL - NV	16,500	0
		33,056	16,556

Extra Features

Extra Features				Legend
Code	**Description**	**Size**	**Value**	**Bldg #**
RP0	Stoop	30.00 SF	$0	1

Land

Land Use

Use Code	901
Description	Exempt Res
Zone	R-6
Neighborhood	
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	8.16
Frontage	
Depth	
Assessed Value	$1,284,990
Appraised Value	$1,835,700

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
CCP9	Canopy-wood			56.00 SF	$300	1
CRG4	Garage - 1.0 Story Det			918.00 SF	$14,700	1
CRG4	Garage - 1.0 Story Det			247.00 SF	$5,800	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$4,499,800	$1,835,700	$6,335,500
2018	$4,499,800	$1,835,700	$6,335,500
2017	$4,499,800	$1,835,700	$6,335,500

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$3,149,860	$1,284,990	$4,434,850
2018	$3,149,860	$1,284,990	$4,434,850
2017	$3,149,860	$1,284,990	$4,434,850

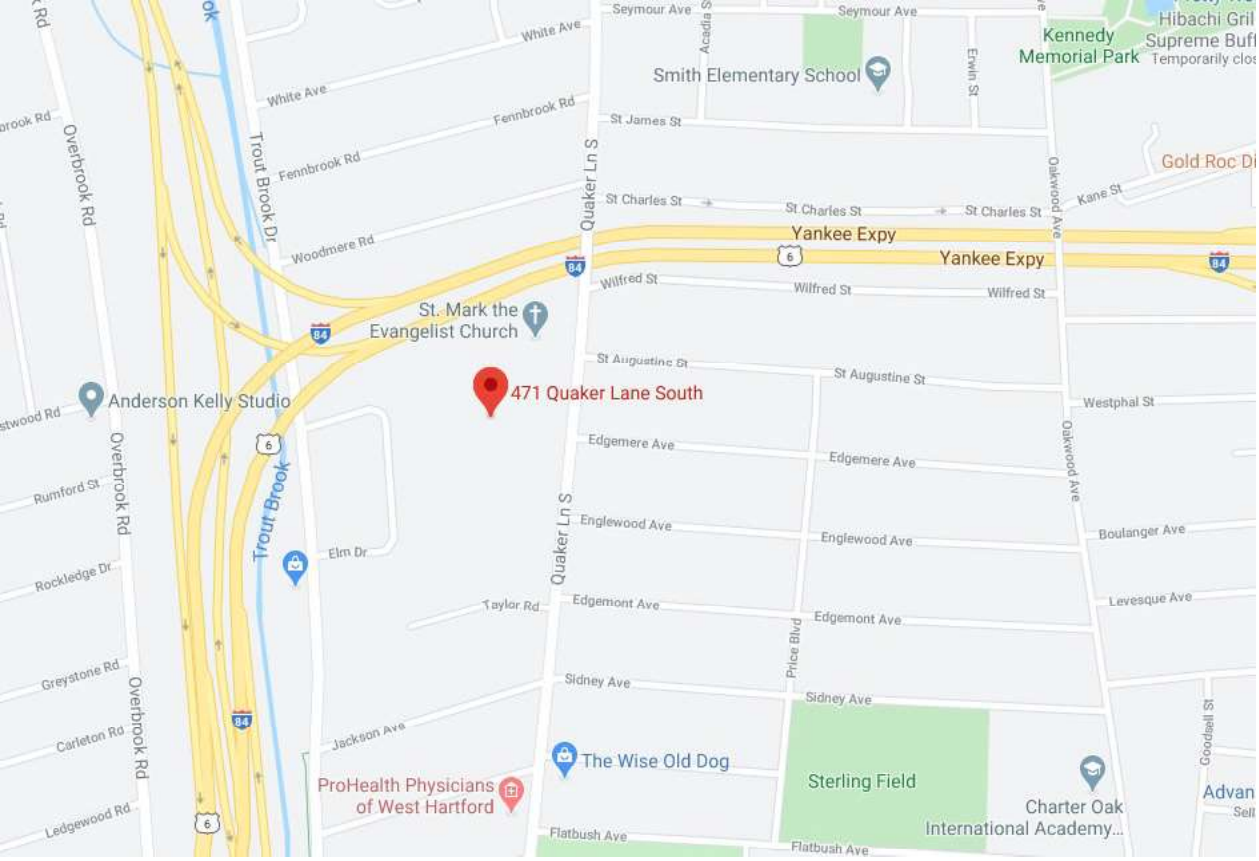

471 Quaker Lane South
Anderson Kelly Studio
St. Mark the Evangelist Church
Smith Elementary School
Kennedy Memorial Park
Yankee Expy
Yankee Expy
The Wise Old Dog
ProHealth Physicians of West Hartford
Sterling Field
Charter Oak International Academy...
Trout Brook
Trout Brook Dr
Overbrook Rd
Quaker Ln S
Oakwood Ave
Price Blvd
Seymour Ave
White Ave
Fennbrook Rd
St James St
St Charles St
Woodmere Rd
Wilfred St
St Augustine St
Westphal St
Edgemere Ave
Englewood Ave
Boulanger Ave
Levesque Ave
Edgemont Ave
Taylor Rd
Sidney Ave
Jackson Ave
Flatbush Ave
Elm Dr
Rockledge Dr
Rumford St
Greystone Rd
Carleton Rd
Ledgewood Rd
Kane St
Erwin St
Goodsell St
Acadia St

Exhibit C

Construction Drawings

verizon

VERIZON SITE NUMBER: 469328
VERIZON SITE NAME: W HARTFORD 2 CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 120'-0"

BUSINESS UNIT #: 829013
SITE ADDRESS: 471 SOUTH QUAKER LANE WEST HARTFORD, CT 06110
COUNTY: HARTFORD
JURISDICTION: HARTFORD COUNTY

VERIZON FUZE PROJECT #: 16272632

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	WEST HARTFORD/I-84/X43
SITE ADDRESS:	471 SOUTH QUAKER LANE WEST HARTFORD, CT 06110
COUNTY:	HARTFORD
MAP/PARCEL #:	VERIFY
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41° 44' 55.59" N (41.74875°)
LONGITUDE:	72° 43' 52.86" W (-72° 43' 52.7988"°)
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	180'-0"
CURRENT ZONING:	GC
JURISDICTION:	HARTFORD COUNTY
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	TBD - -
TOWER OWNER:	CCATT LLC 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	TBD --
TELCO PROVIDER:	TBD --

PROJECT TEAM

A&E FIRM:	CROWN CASTLE USA INC. 2000 CORPORATE DRIVE CANONSBURG, PA 15317 CROWNAE.APPROVAL@CROWNCASTLE.COM
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065 PAUL MALEK - PROJECT MANAGER -- DUWAN IRBY - CONSTRUCTION MANAGER --

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	FIBER NAMING & EQUIPMENT DETAILS
C-6	EQUIPMENT DETAILS
C-7	COLOR CODE MATRIX
C-8	PLUMBING DIAGRAM
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS

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

APPROVALS

SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR PROJECT NUMBER	6039-Z0001-C
VzW LOCATION CODE (PSLC)	469328

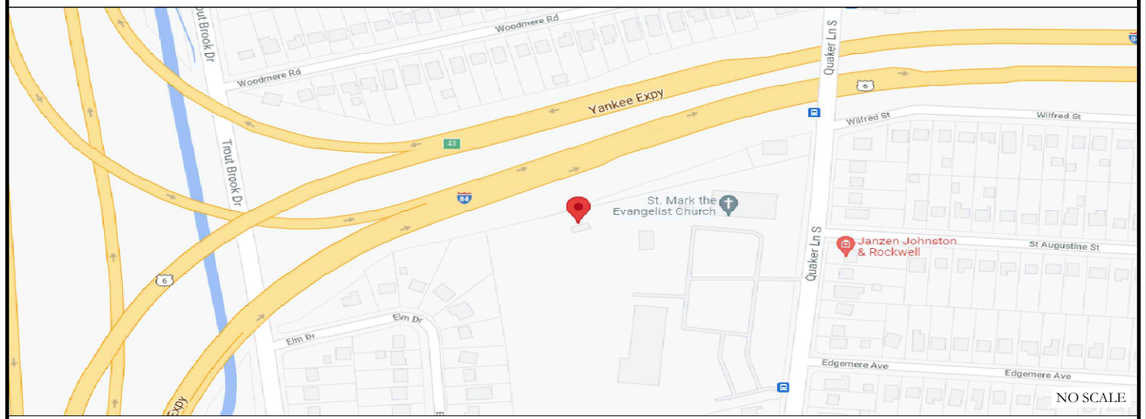
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	Y

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



NO SCALE

DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (180 WASHINGTON VALLEY RD, BEDMINSTER, NJ 07921) DEPART AND HEAD TOWARD WASHINGTON VALLEY RD / COUNTY HWY-620, TURN LEFT ONTO WASHINGTON VALLEY RD / COUNTY HWY-620, BEAR RIGHT ONTO US-206 N / US-202 N / US HIGHWAY 202 206, TURN RIGHT ONTO SCHLEY MOUNTAIN RD, TAKE THE RAMP ON THE RIGHT FOR I-287 N, TAKE THE RAMP ON THE RIGHT FOR I-287 / I-87 SOUTH AND HEAD TOWARD NEW YORK CITY / TAPPAN ZEE BR, PASS DAYS INN BY WYNDHAM NANUET / SPRING VALLEY ON THE RIGHT, KEEP STRAIGHT TO GET ONTO I-287 E, ENTERING CONNECTICUT AT EXIT 48, HEAD RIGHT ON THE RAMP FOR I-91 NORTH TOWARD HARTFORD, KEEP STRAIGHT TO GET ONTO I-91 N, AT EXIT 32A-32B, HEAD LEFT ON THE RAMP FOR I-84 W / US-6 W TOWARD TRUMBULL ST / WATERBURY, AT EXIT 42, HEAD LEFT ON THE RAMP FOR TROUT BK DR TOWARD ELMWOOD, KEEP STRAIGHT TO GET ONTO CLARENDON AVE, TURN LEFT ONTO QUAKER LN S, TURN LEFT, TURN RIGHT, ARRIVE AT 471 SOUTH QUAKER LANE WEST HARTFORD, CT 06110.

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	2018 IBC
MECHANICAL	2018 IMC
ELECTRICAL	2015 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	BY OTHERS
DATED:	
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	09/10/2021
RFDS REVISION:	1
DATED:	10/22/2021
ORDER ID:	586100
REVISION:	1

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
- REMOVE (1) OVP
- INSTALL (6) ANTENNAS
- INSTALL (3) INTEGRATED ANTENNAS
- INSTALL (9) RRHS
- INSTALL (1) OVP

GROUND SCOPE OF WORK:
- N/A

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

VERIZON SITE NUMBER:
469328

BU #: **829013**
WEST HARTFORD/I-84/X43

471 SOUTH QUAKER LANE
WEST HARTFORD, CT 06110

EXISTING 120'-0" MONOPOLE

08/03/2021 **ISSUED FOR:**

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/18/2021	RCD	FINAL CDs	--
1	11/09/2021	CB	FINAL CDs	--

STATE OF CONNECTICUT
SHUHEI SAKANOUE
34916
LICENSED PROFESSIONAL ENGINEER

10/09/2021

SHEET NUMBER: T-1

REVISION: 1

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).

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VERIZON SITE NUMBER:
469328

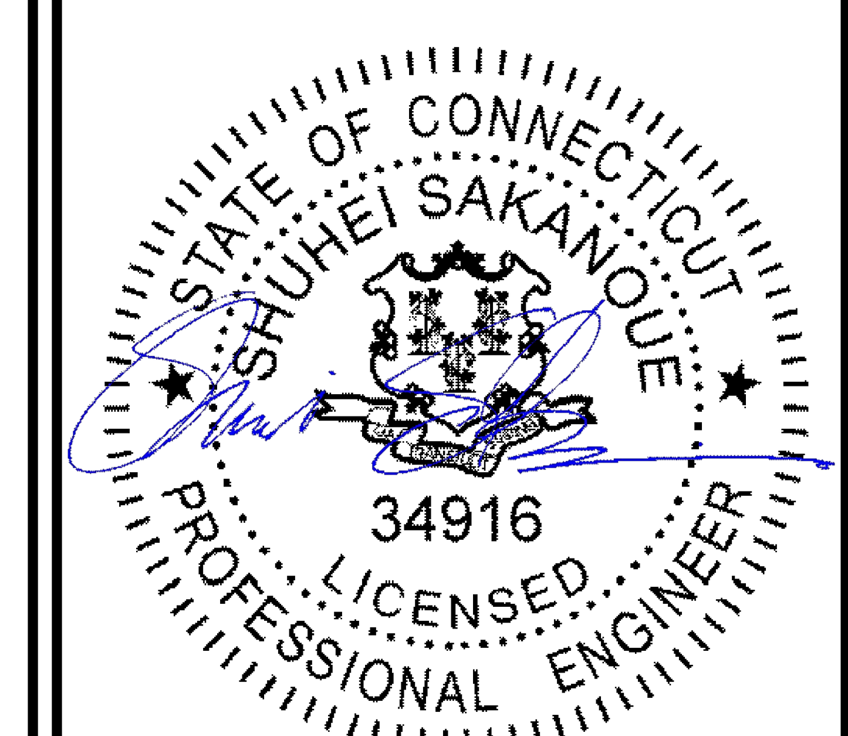
BU #: **829013**
WEST HARTFORD/I-84/X43

471 SOUTH QUAKER LANE
WEST HARTFORD, CT 06110

EXISTING 120'-0" MONOPOLE

08/03/2021 **ISSUED FOR:**

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/18/2021	RCD	FINAL CDs	--
1	11/09/2021	CB	FINAL CDs	--

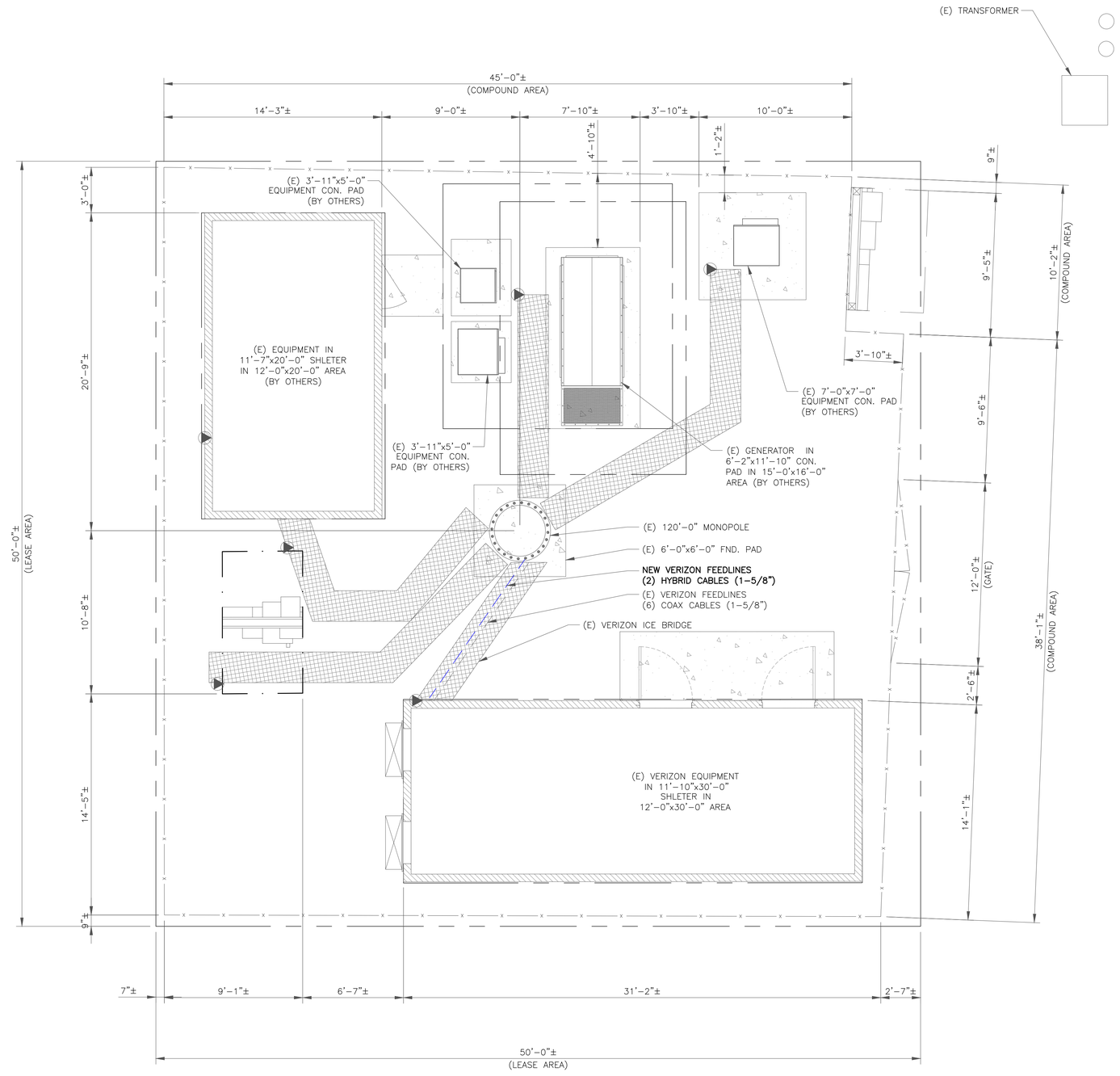


10/09/2021

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

SHEET NUMBER: T-2

REVISION: 1



1 SITE PLAN

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

N

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1	11/09/2021	CB	FINAL CDs	--

STATE OF CONNECTICUT
SHUHEI SAKANOUE
34916
LICENSED PROFESSIONAL ENGINEER

10/09/2021

SHEET NUMBER: C-1

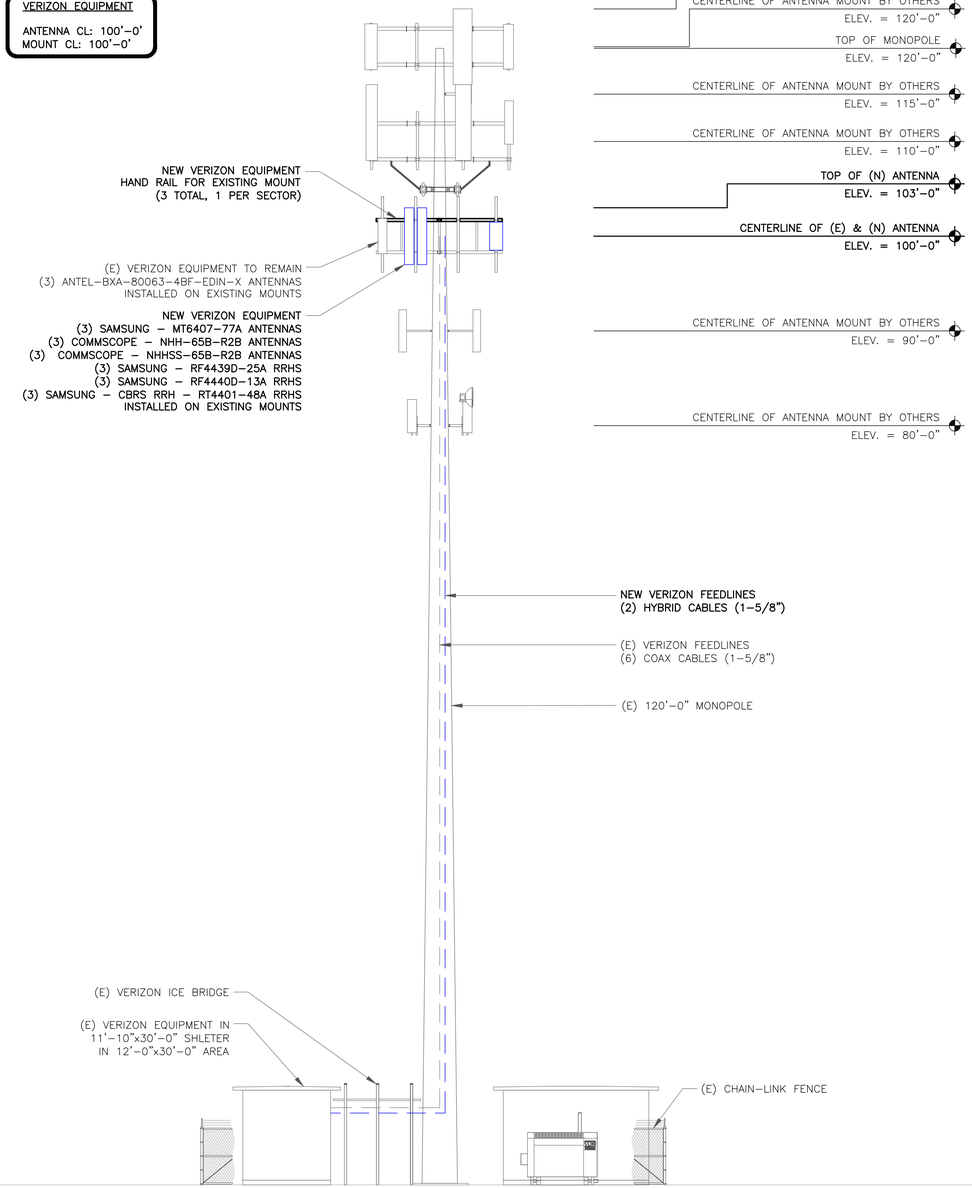
REVISION: 1

NOTES:

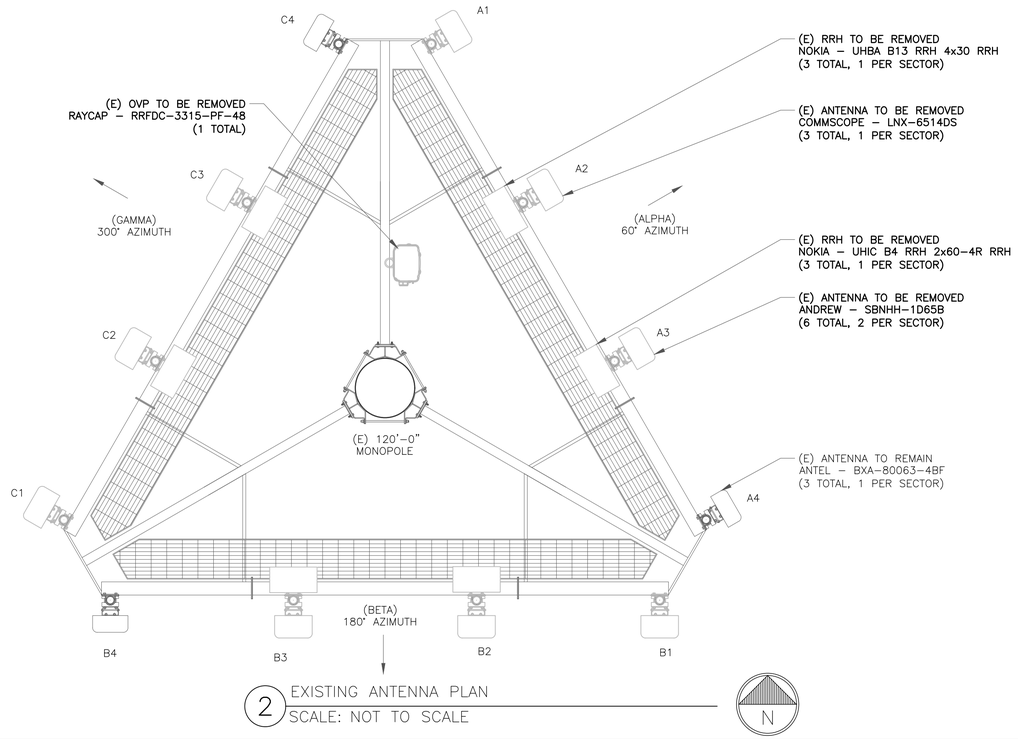
- THESE DRAWINGS ARE NOT INTENDED TO BE A VERIFICATION THAT THE STRUCTURE OR MOUNTS ARE ADEQUATE TO SUPPORT THE PROPOSED LOADING. VERIFICATION THAT THE EXISTING STRUCTURE AND MOUNTS CAN SUPPORT THE PROPOSED LOADING SHALL BE PERFORMED BY A REGISTERED PROFESSIONAL ENGINEER PRIOR TO CONSTRUCTION.
- CONTRACTOR TO REFER TO THE STRUCTURAL ANALYSIS AND MOUNT ASSESSMENT AND VERIFY LOADING WITH THE MOST RECENT RFDS PRIOR TO CONSTRUCTION

VERIZON EQUIPMENT

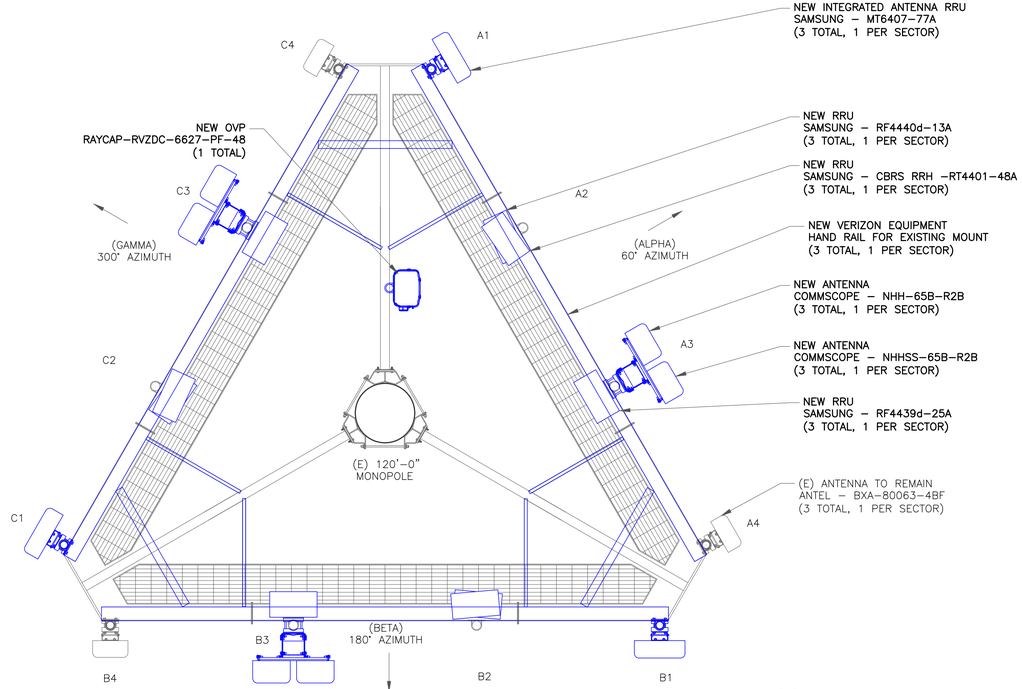
ANTENNA CL: 100'-0"
MOUNT CL: 100'-0"



1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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BU #: **829013**
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471 SOUTH QUAKER LANE
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EXISTING 120'-0" MONOPOLE

08/03/2021 **ISSUED FOR:**

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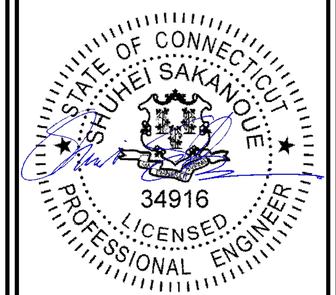
1	11/09/2021	CB	FINAL CDs	--



10/09/2021

SHEET NUMBER: C-2

REVISION: 1

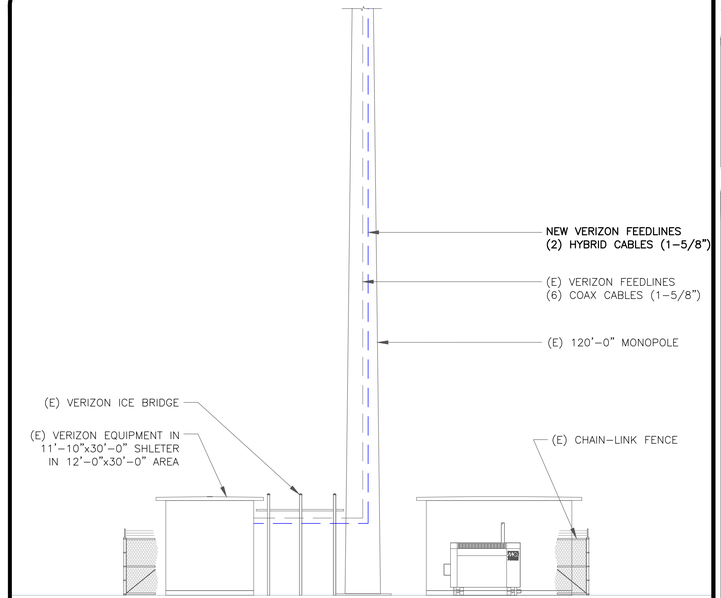
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	NEW	SAMSUNG	MT6407-77A	100'-0'	60°	0°	6°	RAYCAP	(1) RVZDC-6627-PF-48
A2	–	–	–	–	–	–	–	–	–
A3	NEW	COMMSCOPE COMMSCOPE	NHH-65B-R2B NHHSS-65B-R2B	100'-0'	60°	0°	7°/7°/7°/4° 7°/7°/7°/0°/4°	SAMSUNG	(1) RF4440D-13A (1) RF4439D-25A (1) CBRS RRH – RT4401-48A
A4	EXISTING	ANTEL	BXA-80063-4BF	100'-0'	60°	–	–	–	–
B1	NEW	SAMSUNG	MT6407-77A	100'-0'	180°	0°	6°	–	–
B2	–	–	–	100'-0'	180°	–	–	–	–
B3	NEW	COMMSCOPE COMMSCOPE	NHH-65B-R2B NHHSS-65B-R2B	100'-0'	180°	0°	7°/7°/7°/4° 7°/7°/7°/0°/4°	SAMSUNG	(1) RF4440D-13A (1) RF4439D-25A (1) CBRS RRH – RT4401-48A
B4	EXISTING	ANTEL	BXA-80063-4BF	100'-0'	180°	–	–	–	–
C1	NEW	SAMSUNG	MT6407-77A	300	180°	0°	6°	–	–
C2	–	–	–	300	180°	–	–	–	–
C3	NEW	COMMSCOPE COMMSCOPE	NHH-65B-R2B NHHSS-65B-R2B	300	180°	0°	7°/7°/7°/4° 7°/7°/7°/0°/4°	SAMSUNG	(1) RF4440D-13A (1) RF4439D-25A (1) CBRS RRH – RT4401-48A
C4	EXISTING	ANTEL	BXA-80063-4BF	300	180°	–	–	–	–

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	100'-0"±	6
NEW	HYBRID	1-5/8"	100'-0"±	2
TOTAL CABLE QTY:				8



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

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VERIZON SITE NUMBER:
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BU #: **829013**
WEST HARTFORD/I-84/X43

471 SOUTH QUAKER LANE
WEST HARTFORD, CT 06110

EXISTING 120'-0" MONOPOLE

08/03/2021 **ISSUED FOR:**

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1	11/09/2021	CB	FINAL CDs	--

STATE OF CONNECTICUT
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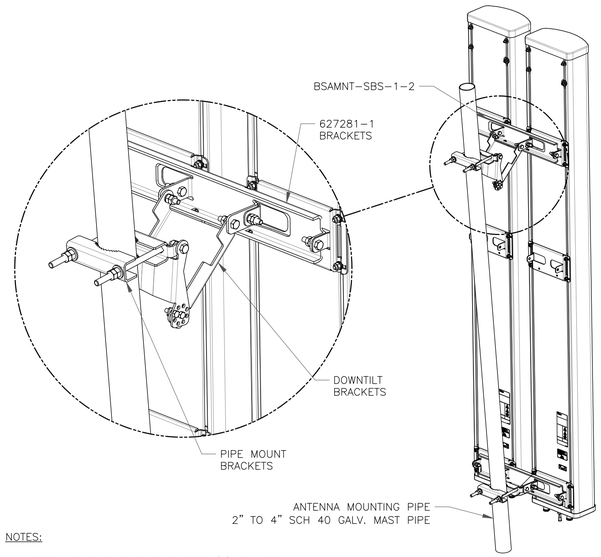
LICENSED PROFESSIONAL ENGINEER

10/09/2021

SHEET NUMBER: C-3

REVISION: 1

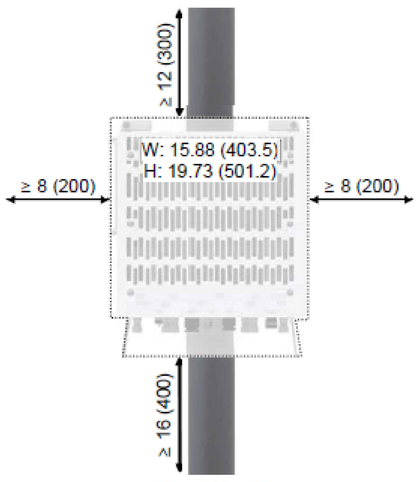


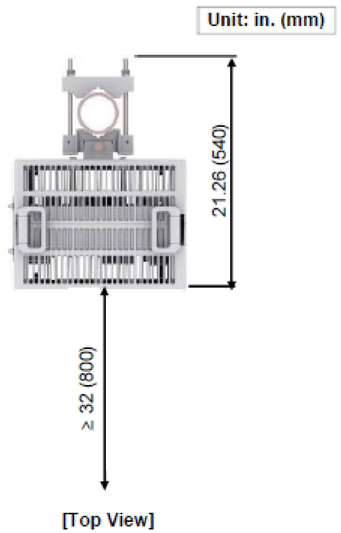
NOTES:

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

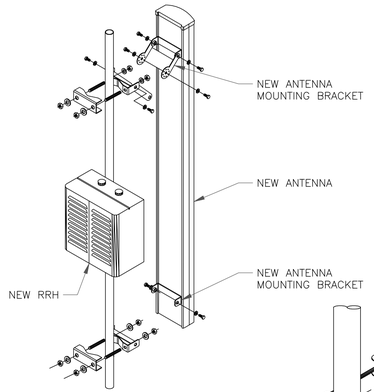
1 COMMSCOPE – BSAMNT-SBS-1-2
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE



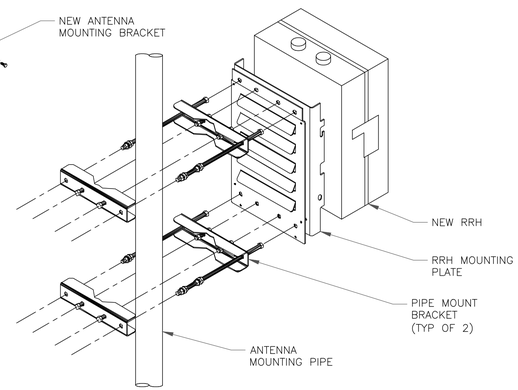


3 SAMSUNG – FPKA BRACKET MOUNTING DETAIL
SCALE: NOT TO SCALE



INSTALLER NOTES:

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



4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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471 SOUTH QUAKER LANE
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STATE OF CONNECTICUT
SHUHEI SAKANOUE
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LICENSED PROFESSIONAL ENGINEER

10/09/2021

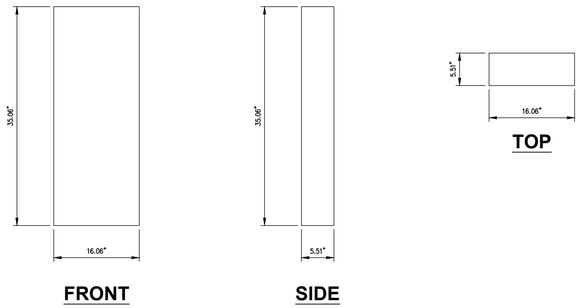
SHEET NUMBER: C-4

REVISION: 1

SAMSUNG PANEL ANTENNA (MT6407-77A)

DIMENSIONS, HxWxD: 35.06"x16.06"x5.51"

WEIGHT, W/O BRACKETS: 81.57 lbs



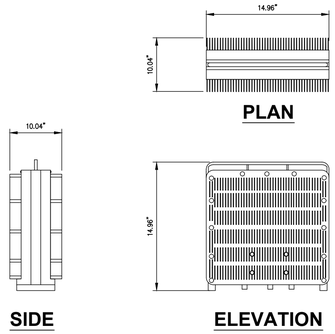
1 SAMSUNG MT6407-77A ANTENNA DETAIL
SCALE: NOT TO SCALE

SAMSUNG RF4439D-25A

DIMENSIONS, WxDxH: 14.96" X 14.96" X 10.04"

TOTAL WEIGHT: 74.70 lbs

TEMPERATURE: -40° TO 55° C



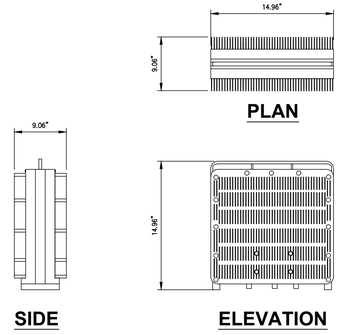
2 SAMSUNG RF4439D-25A DETAIL
SCALE: NOT TO SCALE

SAMSUNG RF4440D-13A

DIMENSIONS, WxDxH: 14.96" X 14.96" X 9.06"

TOTAL WEIGHT: 72.50 lbs

TEMPERATURE: -40° TO 55° C

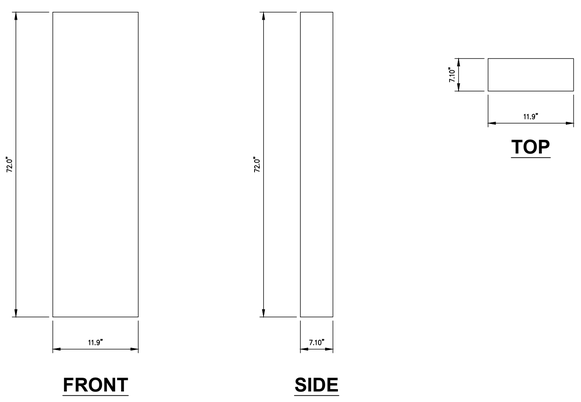


3 SAMSUNG RF4440d-13A DETAIL
SCALE: NOT TO SCALE

COMMSCOPE PANEL ANTENNA (NHHSS-65B-R2B)

DIMENSIONS, HxWxD: 72.00"x 11.90"x 7.10"

WEIGHT, W/O BRACKETS: 65.5 lbs

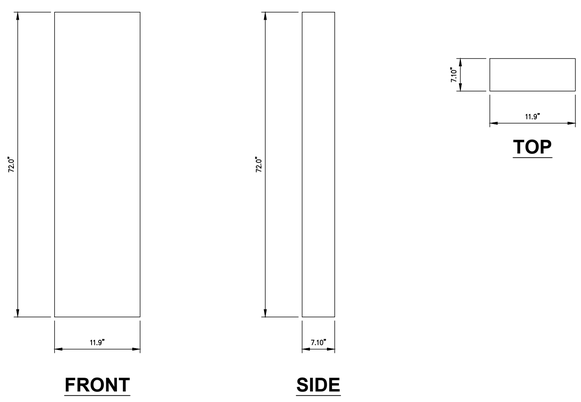


4 COMMSCOPE – NHHSS-65B-R2B ANTENNA DETAILS
SCALE: NOT TO SCALE

COMMSCOPE PANEL ANTENNA (NHH-65B-R2B)

DIMENSIONS, HxWxD: 72.00"x 11.90"x 7.10"

WEIGHT, W/O BRACKETS: 43.7 lbs



5 JMA -MX06FRO660-03 ANTENNA DETAIL
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	

6 FIBER NAMING CONVENTION
SCALE: NOT TO SCALE

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WEST HARTFORD, CT 06110

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10/09/2021

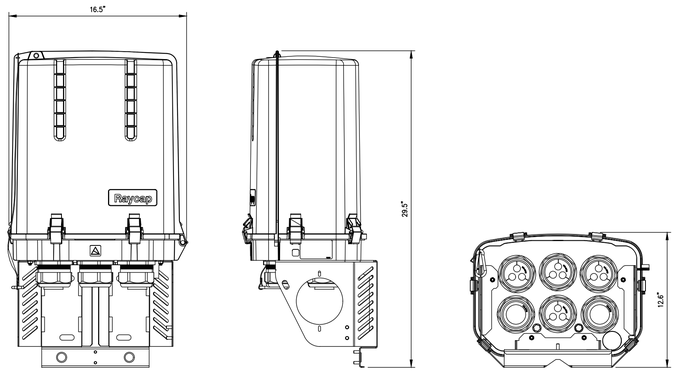
SHEET NUMBER: C-5

REVISION: 1

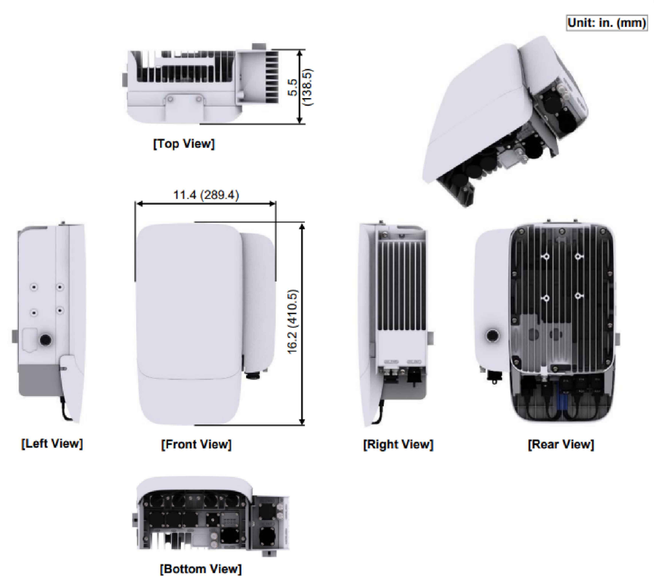
RAYCAP RVZDC-6627-PF-48

DIMENSIONS, LxWxH: 12.6"x16.5"x29.5"

WEIGHT, W/O BRACKETS: 32.0 lbs



1 RAYCAP RVZDC-6627-PF-48 OVP DETAIL
SCALE: NOT TO SCALE



2 SAMSUNG RT4401-48A CBRS RRH DETAIL
SCALE: NOT TO SCALE

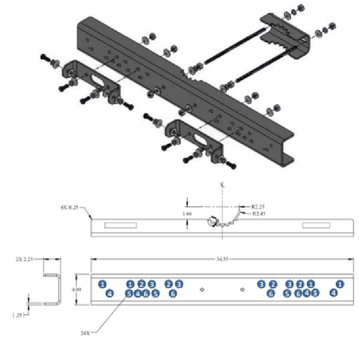
Product Specifications

91900314

Dual-mount antenna bracket

JMA WIRELESS

Dual-mount bracket assembly guide overview



Model types beginning with:	Antenna width	Corresponding hole position	Resulting spacing between antennas
MX*, MC*	15.4" (wide spacing)	1	12"
	15.4" (narrow spacing)	2	2"
	12"	3	2"
	20"	5	3/4"
X7C*, C7C*	12.5"	3	2"
	24.0"	4	2"
	18.8"	5	2"
	14.6"	6	2"

3 JMA – 91900314-02 DUAL MOUNT DETAILS
SCALE: NOT TO SCALE

4 NOT USED
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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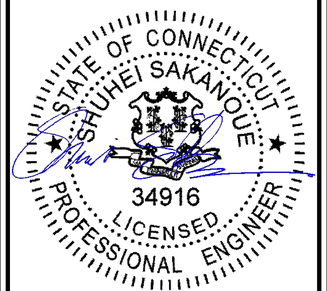

10/09/2021

SHEET NUMBER: C-6

REVISION: 1

Alpha AWS							*Beta AWS*							*GammaAWS*						
Port 1	WHITE						Port 1							Port 1						
Port 2	WHITE						Port 2							Port 2						
Port 3	WHITE						Port 3							Port 3						
Port 4	WHITE						Port 4							Port 4						
Alpha PCS							*Beta PCS*							*Gamma PCS*						
Port 1	WHITE						Port 1							Port 1						
Port 2	WHITE						Port 2							Port 2						
Port 3	WHITE						Port 3							Port 3						
Port 4	WHITE						Port 4							Port 4						
Alpha LTE 700							*Beta LTE 700*							*Gamma LTE 700*						
Port 1	WHITE						Port 1							Port 1						
Port 2	WHITE						Port 2							Port 2						
Port 3	WHITE						Port 3							Port 3						
Port 4	WHITE						Port 4							Port 4						
Alpha 850 LTE							*Beta 850 LTE*							*Gamma 850 LTE*						
Port 1	WHITE						Port 1							Port 1						
Port 2	WHITE						Port 2							Port 2						
Port 3	WHITE						Port 3							Port 3						
Port 4	WHITE						Port 4							Port 4						
Alpha 850 CDMA							*Beta 850 CDMA*							*Gamma 850 CDMA*						
Port 1	WHITE						Port 1							Port 1						
Port 2	WHITE						Port 2							Port 2						
Alpha EVDO							*Beta EVDO*							*Gamma EVDO*						
Port 1	WHITE						Port 1							Port 1						
Port 2	WHITE						Port 2							Port 2						

GPS 1				
GPS 2				
GPS 3				
GPS 4				

Alpha 850 LTE + 700 LTE									
Port 1	WHITE								
Port 2	WHITE								
Port 3	WHITE								
Port 4	WHITE								
Beta 850 LTE + 700 LTE									
Port 1									
Port 2									
Port 3									
Port 4									
Gamma 850 LTE + 700 LTE									
Port 1									
Port 2									
Port 3									
Port 4									

Alpha 850 NR Fiber	White			Ptouch - Alpha 850 NR
Beta 850 NR Fiber				Ptouch - Beta 850 NR
Gamma 850 NR Fiber				Ptouch - Gamma 850 NR

1 COLOR CODE MATRIX
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
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BU #: **829013**
WEST HARTFORD/I-84/X43

471 SOUTH QUAKER LANE
WEST HARTFORD, CT 06110

EXISTING 120'-0" MONOPOLE

08/03/2021 **ISSUED FOR:**

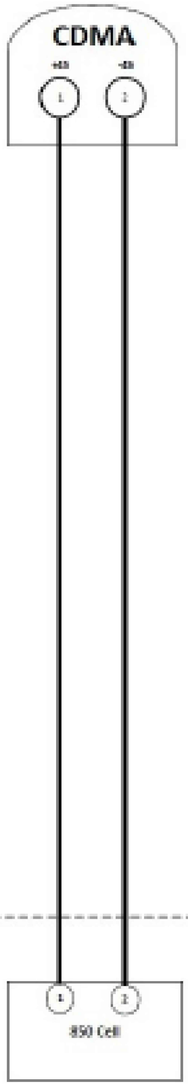
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/18/2021	RCD	FINAL CDs	--
1	11/09/2021	CB	FINAL CDs	--

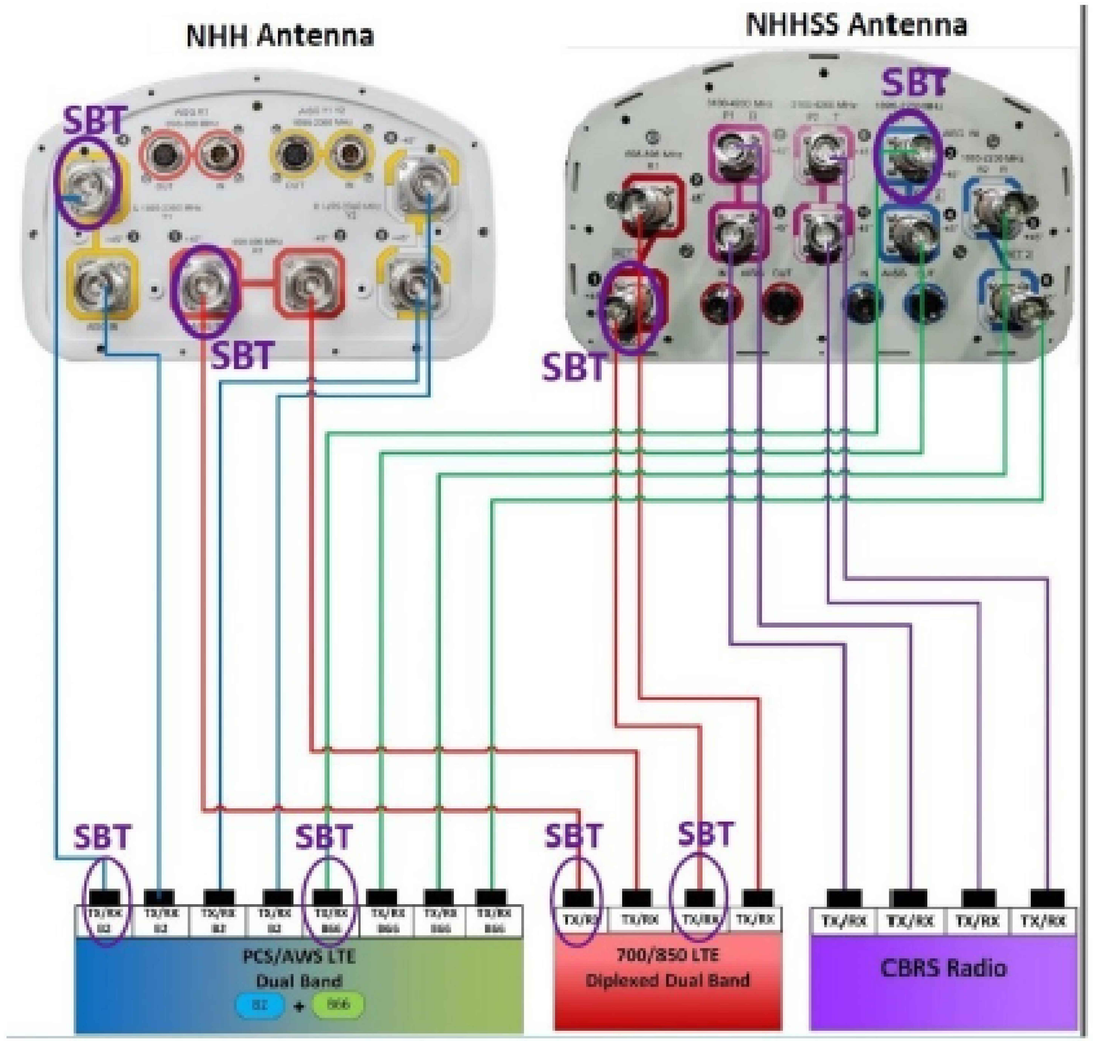
STATE OF CONNECTICUT
SHUHEI SAKANOUE
34916
LICENSED PROFESSIONAL ENGINEER

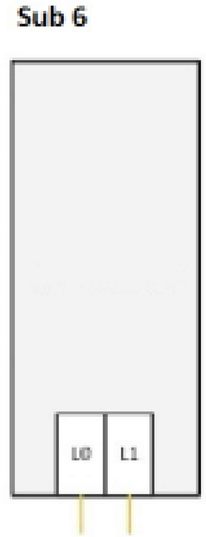
10/09/2021

SHEET NUMBER: C-7

REVISION: 1







1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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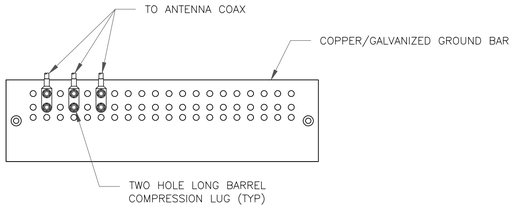
10/09/2021

SHEET NUMBER: C-8

REVISION: 1



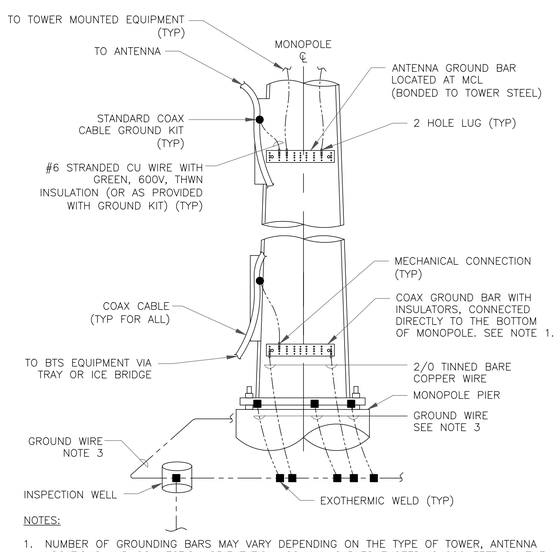
NOTES:

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

2 NOT USED
SCALE: NOT TO SCALE

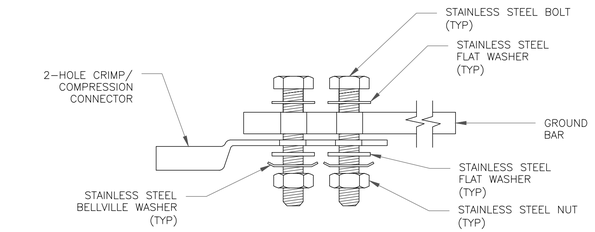
3 NOT USED
SCALE: NOT TO SCALE



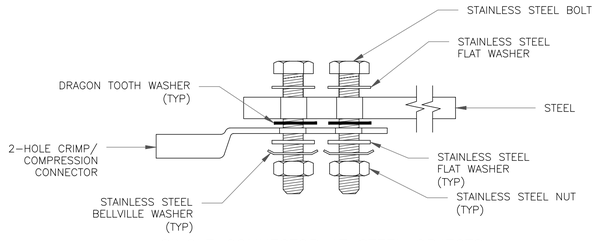
NOTES:

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.

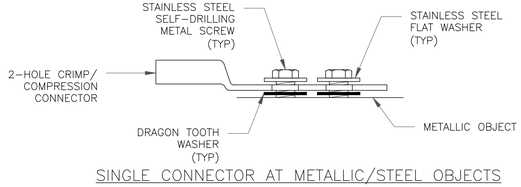
4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



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

6 NOT USED
SCALE: NOT TO SCALE

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471 SOUTH QUAKER LANE
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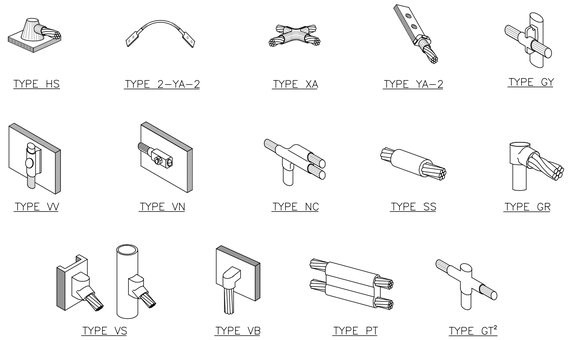
10/09/2021

SHEET NUMBER: G-1

REVISION: 1

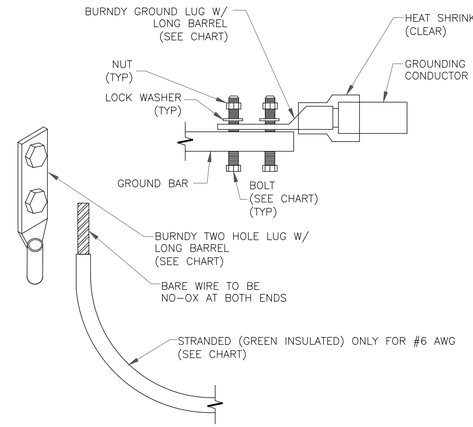


NOTE:

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

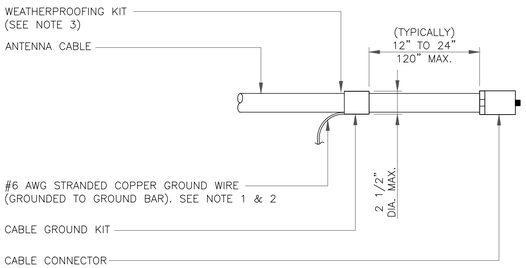
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



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.

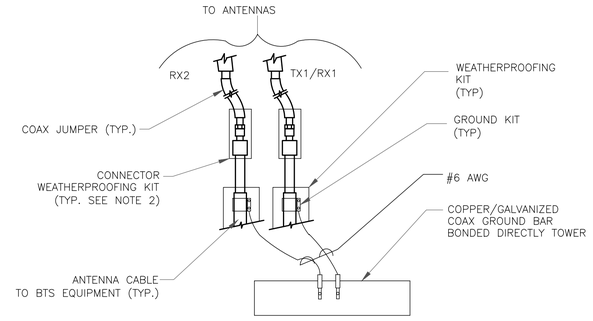
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



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.

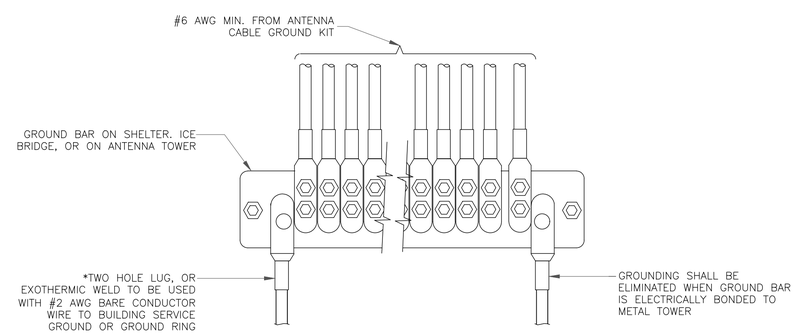
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



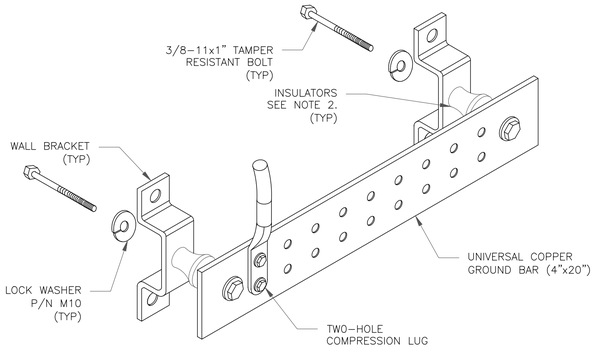
NOTES:

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



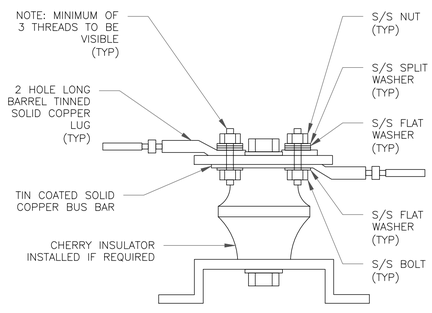
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



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 NOT USED
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
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BU #: **829013**
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471 SOUTH QUAKER LANE
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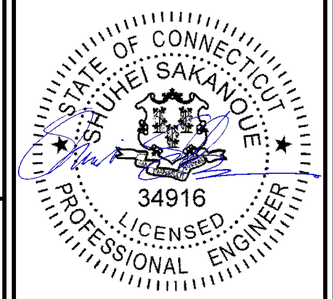
EXISTING 120'-0" MONOPOLE

08/03/2021 **ISSUED FOR:**

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/18/2021	RCD	FINAL CDs	--
1	11/09/2021	CB	FINAL CDs	--



10/09/2021

SHEET NUMBER: G-2
REVISION: 1

Exhibit D

Structural Analysis Report

Date: **September 10, 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:	469328
	Site Name:	W HARTFORD 2 CT
Crown Castle Designation:	**BU Number:**	829013
	Site Name:	WEST HARTFORD/I-84/X43
	JDE Job Number:	686120
	Work Order Number:	2019838
	Order Number:	586100 Rev. 0
Engineering Firm Designation:	**TEP Project Number:**	25680.598942
Site Data:	**471 South Quaker Lane (Church of St. Mark), West Hartford, Hartford County, CT 06110 Latitude *41° 44' 55.59"*, Longitude *-72° 43' 52.86"* 119.1 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:

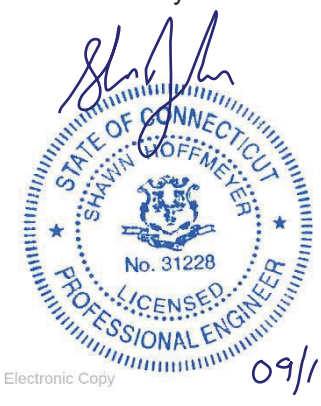
LC7: Proposed Equipment Configuration **Sufficient Capacity - 90.2%**

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

Structural analysis prepared by: Cameron G. Allen / RAL

Respectfully submitted by:

Shawn Hoffmeyer, P.E.



Electronic Copy

09/10/21

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 119.1-ft monopole tower designed by Pirod Manufacturers, Inc. The tower has been modified multiple times in the past to accommodate additional loading.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 mph
Exposure Category:	C
Topographic Factor:	1.0
Ice Thickness:	2.0 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)
100.0	100.0	3	Amphenol	BXA-80063-4BF-EDIN-X w/ Mount Pipe	8	1-5/8
		3	Commscope	NHH-65B-R2B w/ Mount Pipe		
		3	Commscope	NHHSS-65B-R2B w/ Mount Pipe		
		3	Samsung Telecom.	MT6407-77A w/ Mount Pipe		
		3	Samsung Telecom.	CBRS RT4401-48A		
		6	Samsung Telecom.	RF4440D-13A		
		3	Samsung Telecom.	RF4439D-25A		
		1	Raycap	RVZDC-6627-PF-48		
		1	Tower Mounts	Platform Mount [LP 403-1]		

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)
120.0	120.0	3	Ericsson	AIR -32 B2A/B66AA w/ Mount Pipe	2 2	1-5/8 1-1/2
		3	RFS Celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
		3	Ericsson	AIR6449 B41 w/ Mount Pipe		
		3	Ericsson	AIR 3246 B66 w/ Mount Pipe		
		3	Ericsson	RADIO 4449 B71/B85A		
		3	Ericsson	RRUS 4415 B25_CCIV2		
		1	Tower Mounts	Platform Mount [LP 404-1_KCKR]		
115.0	115.0	1	Andrew	VHLP2-18	1	1/2
		1	Aviat Networks	ODU600		
		1	Tower Mounts	Side Arm Mount [SO 102-3]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
110.0	112.0	3	Ericsson	AIR 6419 B77G w/ Mount Pipe	6 2 6	1-5/8 3/8 7/8
		1	Kathrein	80010966 w/ Mount Pipe		
		1	CCI Antennas	DMP65R-BU8E w/ Mount Pipe		
		3	Ericsson	AIR 6449 B77D w/ Mount Pipe		
		2	Kathrein	80010965 w/ Mount Pipe		
		2	CCI Antennas	DMP65R-BU6e w/ Mount Pipe		
		3	Ericsson	RRUS 4478 B14_CCIV2		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 8843 B2/B66A		
		3	Ericsson	RRUS 32 B30		
		3	Raycap	DC6-48-60-18-8F		
	110.0	1	Tower Mounts	Platform Mount [LP 303-1]		
90.0	90.0	3	JMA Wireless	MX08FRO665-21 w/ Mount Pipe	1 1	1-1/2 7/8
		3	Fujitsu	TA08025-B605		
		3	Fujitsu	TA08025-B604		
		1	Raycap	RDIDC-9181-PF-48		
		1	Tower Mounts	Commscope MC-PK8-DSH		
80.0	81.0	3	Argus Technologies	LLPX310R-V4 w/ Mount Pipe	6 3	5/16 1-5/8
		3	Commscope	NNVV-65B-R4 w/ Mount Pipe		
		3	Nokia	AAHC		
		3	Nokia	AHFIB_CCIV2		
	80.0	1	Clearwire	CW JUNCTION BOX		
		3	Samsung Telecom.	WIMAX DAP HEAD		
		1	Tower Mounts	Side Arm Mount [SO 101-3]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Supplemental Geotechnical Report	3636697	CCISites
Tower Foundation Drawings	3636698	CCISites
Tower Manufacturer Drawings	3525378	CCISites
Tower Reinforcement Drawings	3525386	CCISites
Post-Modification Inspection	3974228	CCISites
Tower Reinforcement Drawings	5650111	CCISites
Post-Modification Inspection	5852136	CCISites

3.1) Analysis Method

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

RISA-3D, a commercially available analysis software package, was used to model and analyze the foundation. Selected output from the analysis is included in Appendix C.

3.2) Assumptions

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

This analysis may be affected if any assumptions are not valid or have been made in error. 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	119.083 - 101.083	Pole	TP26x22.13x0.25	1	-10.59	1224.51	22.5	Pass
L2	101.083 - 66.5	Pole	TP34.06x24.87x0.31	2	-23.94	1999.02	56.4	Pass
L3	66.5 - 32.8333	Pole	TP41.75x32.5x0.38	3	-32.17	2940.80	63.0	Pass
L4	32.8333 - 0	Pole	TP49.06x39.85x0.38	4	-43.56	3559.59	74.3	Pass
							Summary	
						Pole (L4)	74.3	Pass
						RATING =	**74.3**	**Pass**

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Slip Splice Connection	101.1	24.1	Pass
1,2	Slip Splice Connection	66.5	60.1	Pass
1,2	Slip Splice Connection	32.8	68.1	Pass
1,2	Anchor Rods	-	83.8	Pass
1,2	Base Plate	-	67.6	Pass
1,2	Base Foundation Structural	-	90.2	Pass
1,2	Base Foundation Soil Interaction	-	69.0	Pass

Structure Rating (max from all components) =	**90.2%**

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

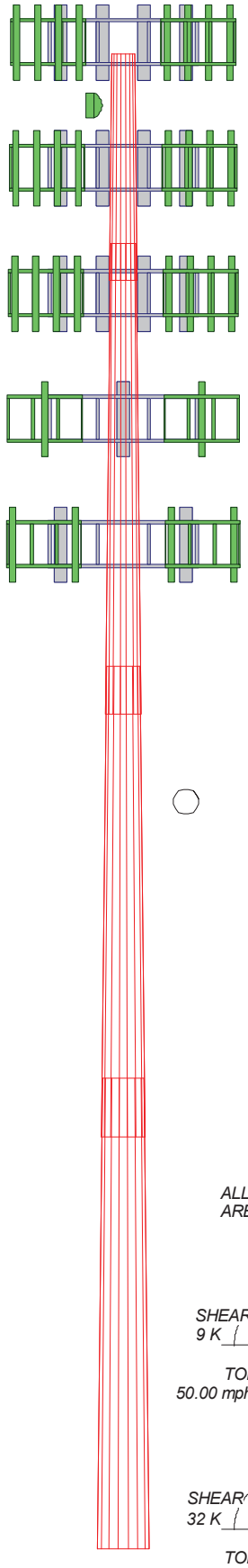
4.1) Recommendations

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	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	18.00	18	0.25	2.92	22.13	26.00	A572-65	1.2
2	37.50	18	0.31	3.83	24.87	34.06		3.7
3	37.50	18	0.38	4.67	32.50	41.75		5.6
4	37.50	18	0.38		39.85	49.06		6.7
								17.1



ALL REACTIONS ARE FACTORED

AXIAL 88 K

SHEAR 9 K *MOMENT 898 kip-ft*

TORQUE 0 kip-ft
50.00 mph WIND - 2.00 in ICE

AXIAL 44 K

SHEAR 32 K *MOMENT 3016 kip-ft*

TORQUE 0 kip-ft
REACTIONS - 125.00 mph WIND

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower designed for Exposure C to the TIA-222-H Standard.
2. Tower designed for a 125.00 mph basic wind in accordance with the TIA-222-H Standard.
3. Tower is also designed for a 50.00 mph basic wind with 2.00 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 60.00 mph wind.
5. Tower Risk Category II.
6. Topographic Category 1 with Crest Height of 0.00 ft
7. TOWER RATING: 74.3%

Tower Engineering Professionals

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

Job:	***WEST HARTFORD/I-84/X43 (BU 829013)***		
Project:	***TEP No. 25680.598942***		
Client: Crown Castle	Drawn by: Cameron G. Allen	App'd:	
Code: TIA-222-H	Date: 09/10/21	Scale: NTS	
Path:		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 base elevation above sea level: 119.00 ft.
Basic wind speed of 125.00 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 2.00 in.
Ice thickness is considered to increase with height.
Ice density of 56.00 pcf.
A wind speed of 50.00 mph is used in combination with ice.
Temperature drop of 50.00 °F.
Deflections calculated using a wind speed of 60.00 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	119.08-101.08	18.00	2.92	18	22.13	26.00	0.25	1.00	A572-65 (65 ksi)
L2	101.08-66.50	37.50	3.83	18	24.87	34.06	0.31	1.25	A572-65 (65 ksi)
L3	66.50-32.83	37.50	4.67	18	32.50	41.75	0.38	1.50	A572-65 (65 ksi)
L4	32.83-0.00	37.50		18	39.85	49.06	0.38	1.50	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	22.43	17.36	1050.09	7.77	11.24	93.41	2101.56	8.68	3.45	13.82
	26.36	20.43	1711.65	9.14	13.21	129.59	3425.56	10.22	4.14	16.544
L2	25.93	24.36	1856.53	8.72	12.64	146.93	3715.50	12.18	3.83	12.248
	34.54	33.48	4817.43	11.98	17.30	278.40	9641.21	16.74	5.45	17.424
L3	33.90	38.23	4984.58	11.40	16.51	301.93	9975.72	19.12	5.06	13.492
	42.34	49.25	10650.98	14.69	21.21	502.19	21315.98	24.63	6.69	17.835
L4	41.57	46.98	9249.06	14.01	20.24	456.90	18510.29	23.50	6.35	16.942
	49.76	57.95	17355.14	17.28	24.92	696.33	34733.11	28.98	7.97	21.267

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 119.08-101.08				1	1	1			
L2 101.08-66.50				1	1	1			
L3 66.50-32.83				1	1	1			
L4 32.83-0.00				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	B	No	Surface Ar (CaAa)	119.00 - 0.00	1	1	0.250 0.250	0.38		0.22
Rung 5/8" dia. x 12.5"w x 16" step *** 120' ***	B	No	Surface Ar (CaAa)	119.00 - 0.00	1	1	0.250 0.250	0.47		0.80
LDF7-50A(1-5/8) *** 115' ***	A	No	Surface Ar (CaAa)	119.08 - 0.00	4	4	0.500 0.500	1.98		0.82
LDF4-50A(1/2") *** 90' ***	B	No	Surface Ar (CaAa)	115.00 - 0.00	1	1	0.000 0.000	0.63		0.15

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
CU12PSM9P6XXX(1-1/2)	C	No	Surface Ar (CaAa)	90.00 - 0.00	1	1	0.000 0.000	1.60		2.35
DSHYBKIT-18612-XXM(7/8)	C	No	Surface Ar (CaAa)	90.00 - 0.00	1	1	0.500 0.500	0.88		1.24
*** 80' *** *** ***										

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
*** 110' ***									
LDF7-50A(1-5/8")	C	No	No	Inside Pole	110.00 - 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
FB-L98B-002-XXX(3/8)	C	No	No	Inside Pole	110.00 - 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
2.5" Flexible Conduit	C	No	No	Inside Pole	110.00 - 0.00	1	No Ice	0.00	0.38
							1/2" Ice	0.00	0.38
							1" Ice	0.00	0.38
							2" Ice	0.00	0.38
PWRT-606-S(7/8")	C	No	No	Inside Pole	110.00 - 0.00	6	No Ice	0.00	0.89
							1/2" Ice	0.00	0.89
							1" Ice	0.00	0.89
							2" Ice	0.00	0.89
*** 100' ***									
LDF7-50A(1-5/8")	C	No	No	Inside Pole	100.00 - 0.00	8	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
7957A(5/16")	B	No	No	Inside Pole	80.00 - 0.00	6	No Ice	0.00	0.05
							1/2" Ice	0.00	0.05
							1" Ice	0.00	0.05
							2" Ice	0.00	0.05
HB158-21U6M48-30F(1-5/8)	B	No	No	Inside Pole	80.00 - 0.00	3	No Ice	0.00	2.39
							1/2" Ice	0.00	2.39
							1" Ice	0.00	2.39
							2" Ice	0.00	2.39
*** ***									

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	119.08-101.08	A	0.000	0.000	14.256	0.000	0.06
		B	0.000	0.000	2.389	0.000	0.02
		C	0.000	0.000	0.000	0.000	0.10
L2	101.08-66.50	A	0.000	0.000	27.390	0.000	0.11
		B	0.000	0.000	5.098	0.000	0.14
		C	0.000	0.000	5.816	0.000	0.68
L3	66.50-32.83	A	0.000	0.000	26.664	0.000	0.11
		B	0.000	0.000	4.962	0.000	0.29
		C	0.000	0.000	8.333	0.000	0.70
L4	32.83-0.00	A	0.000	0.000	26.004	0.000	0.11
		B	0.000	0.000	4.840	0.000	0.28
		C	0.000	0.000	8.126	0.000	0.69

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	119.08-101.08	A	1.917	0.000	0.000	26.448	0.000	0.40
		B		0.000	0.000	21.465	0.000	0.30
		C		0.000	0.000	0.000	0.000	0.10
L2	101.08-66.50	A	1.865	0.000	0.000	50.814	0.000	0.77
		B		0.000	0.000	44.880	0.000	0.73
		C		0.000	0.000	23.838	0.000	1.02
L3	66.50-32.83	A	1.770	0.000	0.000	49.024	0.000	0.73
		B		0.000	0.000	42.628	0.000	0.83
		C		0.000	0.000	33.443	0.000	1.18
L4	32.83-0.00	A	1.585	0.000	0.000	47.032	0.000	0.67
		B		0.000	0.000	39.705	0.000	0.77
		C		0.000	0.000	31.370	0.000	1.11

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	119.08-101.08	0.65	-4.41	2.28	-3.43
L2	101.08-66.50	0.44	-3.67	1.89	-2.39
L3	66.50-32.83	0.34	-3.51	1.78	-2.11
L4	32.83-0.00	0.36	-3.68	1.91	-2.33

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

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	1	Safety Line 3/8	101.08 - 119.00	1.0000	1.0000
L1	2	Rung 5/8" dia. x 12.5"w x 16" step	101.08 - 119.00	1.0000	1.0000
L1	4	LDF7-50A(1-5/8)	101.08 - 119.08	1.0000	1.0000
L1	8	LDF4-50A(1/2")	101.08 - 115.00	1.0000	1.0000
L2	1	Safety Line 3/8	66.50 - 101.08	1.0000	1.0000
L2	2	Rung 5/8" dia. x 12.5"w x 16" step	66.50 - 101.08	1.0000	1.0000
L2	4	LDF7-50A(1-5/8)	66.50 - 101.08	1.0000	1.0000
L2	8	LDF4-50A(1/2")	66.50 - 101.08	1.0000	1.0000
L2	19	CU12PSM9P6XXX(1-1/2)	66.50 - 90.00	1.0000	1.0000
L2	20	DSHYBKIT-18612-XXM(7/8)	66.50 - 90.00	1.0000	1.0000
L3	1	Safety Line 3/8	32.83 - 66.50	1.0000	1.0000
L3	2	Rung 5/8" dia. x 12.5"w x 16" step	32.83 - 66.50	1.0000	1.0000
L3	4	LDF7-50A(1-5/8)	32.83 - 66.50	1.0000	1.0000
L3	8	LDF4-50A(1/2")	32.83 - 66.50	1.0000	1.0000
L3	19	CU12PSM9P6XXX(1-1/2)	32.83 - 66.50	1.0000	1.0000
L3	20	DSHYBKIT-18612-XXM(7/8)	32.83 - 66.50	1.0000	1.0000
L4	1	Safety Line 3/8	0.00 - 32.83	1.0000	1.0000
L4	2	Rung 5/8" dia. x 12.5"w x 16" step	0.00 - 32.83	1.0000	1.0000
L4	4	LDF7-50A(1-5/8)	0.00 - 32.83	1.0000	1.0000
L4	8	LDF4-50A(1/2")	0.00 - 32.83	1.0000	1.0000
L4	19	CU12PSM9P6XXX(1-1/2)	0.00 - 32.83	1.0000	1.0000
L4	20	DSHYBKIT-18612-XXM(7/8)	0.00 - 32.83	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
120									
AIR -32 B2A/B66AA w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.76 4.12 4.48 5.24	3.15 3.49 3.84 4.58	0.19 0.25 0.32 0.48
AIR -32 B2A/B66AA w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.76 4.12 4.48 5.24	3.15 3.49 3.84 4.58	0.19 0.25 0.32 0.48
AIR -32 B2A/B66AA w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.76 4.12 4.48 5.24	3.15 3.49 3.84 4.58	0.19 0.25 0.32 0.48

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
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	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 0.00	0.00	120.00	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	C	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	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
AIR6449 B41 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.18 5.59 6.01 6.90	2.72 3.05 3.39 4.13	0.12 0.16 0.22 0.34
AIR6449 B41 w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.18 5.59 6.01 6.90	2.72 3.05 3.39 4.13	0.12 0.16 0.22 0.34
AIR6449 B41 w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.18 5.59 6.01 6.90	2.72 3.05 3.39 4.13	0.12 0.16 0.22 0.34
AIR 3246 B66 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.31 7.89 8.48 9.72	5.46 6.00 6.57 7.74	0.20 0.27 0.34 0.52
AIR 3246 B66 w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.31 7.89 8.48 9.72	5.46 6.00 6.57 7.74	0.20 0.27 0.34 0.52
AIR 3246 B66 w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.31 7.89 8.48 9.72	5.46 6.00 6.57 7.74	0.20 0.27 0.34 0.52
RADIO 4449 B71/B85A	A	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.31 1.46 1.61 1.94	0.07 0.09 0.11 0.16
RADIO 4449 B71/B85A	B	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.31 1.46 1.61 1.94	0.07 0.09 0.11 0.16
RADIO 4449 B71/B85A	C	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.33	1.31 1.46 1.61 1.94	0.07 0.09 0.11 0.16
RRUS 4415 B25_CCIV2	A	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	0.82 0.94 1.07 1.37	0.05 0.06 0.08 0.12
RRUS 4415 B25_CCIV2	B	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	0.82 0.94 1.07 1.37	0.05 0.06 0.08 0.12
RRUS 4415 B25_CCIV2	C	From	4.00	0.00	120.00	No Ice	1.84	0.82	0.05

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
		Centroid-Face	0.00 0.00			1/2" Ice 1" Ice 2" Ice	2.01 2.19 2.57	0.94 1.07 1.37	0.06 0.08 0.12
2.4" Dia x 6-ft Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.00	120.00	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 8.5-ft Mount Pipe	B	From Leg	1.00 0.00 3.00	0.00	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.02 2.90 3.71 4.76	2.02 2.90 3.71 4.76	0.03 0.04 0.06 0.12
Platform Mount [LP 404-1_KCKR]	C	None		0.00	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	35.82 45.85 55.76 75.77	35.82 45.85 55.76 75.77	2.32 3.02 3.89 6.14
*** ***115*** ODU600	C	From Leg	0.50 0.00 0.00	0.00	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.90 1.02 1.15 1.42	0.42 0.51 0.61 0.82	0.01 0.02 0.03 0.05
(2) 2.4" Dia x 6-ft Mount Pipe	C	From Leg	0.50 0.00 0.00	0.00	115.00	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
Side Arm Mount [SO 102-3]	C	None		0.00	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.60 4.18 4.75 5.90	3.60 4.18 4.75 5.90	0.07 0.11 0.14 0.20
110									
AIR 6419 B77G w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.87 4.18 4.50 5.16	2.32 2.72 3.13 4.01	0.08 0.11 0.15 0.25
AIR 6419 B77G w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.87 4.18 4.50 5.16	2.32 2.72 3.13 4.01	0.08 0.11 0.15 0.25
AIR 6419 B77G w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.87 4.18 4.50 5.16	2.32 2.72 3.13 4.01	0.08 0.11 0.15 0.25
80010966 w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.61 15.47 16.35 18.14	6.84 7.63 8.42 10.06	0.16 0.27 0.39 0.68
DMP65R-BU8E w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	17.16 18.17 19.19 21.28	10.13 11.06 12.01 13.95	0.16 0.28 0.42 0.73
AIR 6449 B77D w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.58 3.92 4.27 5.02	2.31 2.60 2.91 3.57	0.09 0.13 0.17 0.28
AIR 6449 B77D w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice	3.58 3.92 4.27	2.31 2.60 2.91	0.09 0.13 0.17

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	5.02	3.57	0.28
AIR 6449 B77D w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.58 3.92 4.27 5.02	2.31 2.60 2.91 3.57	0.09 0.13 0.17 0.28
80010965 w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	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-Face	4.00 0.00 2.00	0.00	110.00	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
DMP65R-BU6e w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.52 13.29 14.09 15.72	7.41 8.12 8.84 10.33	0.13 0.22 0.33 0.57
DMP65R-BU6e w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.52 13.29 14.09 15.72	7.41 8.12 8.84 10.33	0.13 0.22 0.33 0.57
RRUS 4478 B14_CCIV2	A	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.02 2.20 2.39 2.78	1.25 1.40 1.55 1.89	0.06 0.08 0.10 0.15
RRUS 4478 B14_CCIV2	B	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.02 2.20 2.39 2.78	1.25 1.40 1.55 1.89	0.06 0.08 0.10 0.15
RRUS 4478 B14_CCIV2	C	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.02 2.20 2.39 2.78	1.25 1.40 1.55 1.89	0.06 0.08 0.10 0.15
RRUS 4449 B5/B12	A	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.14 2.33 2.72	1.41 1.56 1.73 2.07	0.07 0.09 0.11 0.16
RRUS 4449 B5/B12	B	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.14 2.33 2.72	1.41 1.56 1.73 2.07	0.07 0.09 0.11 0.16
RRUS 4449 B5/B12	C	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.14 2.33 2.72	1.41 1.56 1.73 2.07	0.07 0.09 0.11 0.16
RRUS 8843 B2/B66A	A	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.32	1.35 1.50 1.65 1.99	0.07 0.09 0.11 0.16
RRUS 8843 B2/B66A	B	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.32	1.35 1.50 1.65 1.99	0.07 0.09 0.11 0.16
RRUS 8843 B2/B66A	C	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.32	1.35 1.50 1.65 1.99	0.07 0.09 0.11 0.16

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
RRUS 32 B30	A	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B30	B	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B30	C	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
DC6-48-60-18-8F	A	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.21 1.89 2.11 2.57	1.21 1.89 2.11 2.57	0.03 0.05 0.08 0.14
DC6-48-60-18-8F	B	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.21 1.89 2.11 2.57	1.21 1.89 2.11 2.57	0.03 0.05 0.08 0.14
DC6-48-60-18-8F	C	From Centroid-Face	4.00 0.00 2.00	0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.21 1.89 2.11 2.57	1.21 1.89 2.11 2.57	0.03 0.05 0.08 0.14
Platform Mount [LP 303-1]	C	None		0.00	110.00	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
Walkway Kit	C	None		0.00	110.00	No Ice 1/2" Ice 1" Ice 2" Ice	10.54 13.60 16.46 22.18	10.54 13.60 16.46 22.18	0.32 0.47 0.66 1.03
*** **100**									
BXA-80063-4BF-EDIN-X w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.62 4.99 5.36 6.13	3.47 4.04 4.63 5.83	0.03 0.07 0.12 0.23
BXA-80063-4BF-EDIN-X w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.62 4.99 5.36 6.13	3.47 4.04 4.63 5.83	0.03 0.07 0.12 0.23
BXA-80063-4BF-EDIN-X w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.62 4.99 5.36 6.13	3.47 4.04 4.63 5.83	0.03 0.07 0.12 0.23
NHH-65B-R2B w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.70	3.29 3.67 4.06 4.86	0.07 0.13 0.21 0.39
NHH-65B-R2B w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.70	3.29 3.67 4.06 4.86	0.07 0.13 0.21 0.39
NHH-65B-R2B w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	3.29 3.67 4.06	0.07 0.13 0.21

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	5.70	4.86	0.39
NHHSS-65B-R2B w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.89 4.27 4.65 5.43	3.14 3.50 3.87 4.63	0.09 0.15 0.23 0.41
NHHSS-65B-R2B w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.89 4.27 4.65 5.43	3.14 3.50 3.87 4.63	0.09 0.15 0.23 0.41
NHHSS-65B-R2B w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.89 4.27 4.65 5.43	3.14 3.50 3.87 4.63	0.09 0.15 0.23 0.41
MT6407-77A w/ Mount Pipe	A	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
MT6407-77A w/ Mount Pipe	B	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
MT6407-77A w/ Mount Pipe	C	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.91 5.26 5.61 6.36	2.68 3.14 3.62 4.63	0.10 0.14 0.18 0.29
CBRS RT4401-48A	A	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.99 1.12 1.26 1.55	0.50 0.60 0.70 0.94	0.02 0.03 0.04 0.06
CBRS RT4401-48A	B	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.99 1.12 1.26 1.55	0.50 0.60 0.70 0.94	0.02 0.03 0.04 0.06
CBRS RT4401-48A	C	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.99 1.12 1.26 1.55	0.50 0.60 0.70 0.94	0.02 0.03 0.04 0.06
(2) RF4440D-13A	A	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.13 1.27 1.41 1.72	0.07 0.09 0.11 0.16
(2) RF4440D-13A	B	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.13 1.27 1.41 1.72	0.07 0.09 0.11 0.16
(2) RF4440D-13A	C	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.13 1.27 1.41 1.72	0.07 0.09 0.11 0.16
RF4439D-25A	A	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.25 1.39 1.54 1.87	0.07 0.09 0.11 0.17
RF4439D-25A	B	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.25 1.39 1.54 1.87	0.07 0.09 0.11 0.17

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
RF4439D-25A	C	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.25 1.39 1.54 1.87	0.07 0.09 0.11 0.17
RVZDC-6627-PF-48	B	From Centroid-Face	4.00 0.00 0.00	0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.79 4.04 4.30 4.84	2.51 2.73 2.95 3.42	0.03 0.06 0.10 0.18
Platform Mount [LP 403-1]	C	None		0.00	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	18.94 23.31 27.74 36.77	18.94 23.31 27.74 36.77	1.50 1.90 2.37 3.53
90									
MX08FRO665-21 w/ Mount Pipe	A	From Centroid-Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.01 8.52 9.04 10.11	4.23 4.69 5.16 6.12	0.11 0.19 0.29 0.52
MX08FRO665-21 w/ Mount Pipe	B	From Centroid-Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.01 8.52 9.04 10.11	4.23 4.69 5.16 6.12	0.11 0.19 0.29 0.52
MX08FRO665-21 w/ Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.01 8.52 9.04 10.11	4.23 4.69 5.16 6.12	0.11 0.19 0.29 0.52
TA08025-B605	A	From Centroid-Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
TA08025-B605	B	From Centroid-Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
TA08025-B605	C	From Centroid-Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
TA08025-B604	A	From Centroid-Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15
TA08025-B604	B	From Centroid-Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15
TA08025-B604	C	From Centroid-Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.96 2.14 2.32 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15
RDIDC-9181-PF-48	B	From Centroid-Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.01 2.19 2.37 2.76	1.17 1.31 1.46 1.78	0.02 0.04 0.06 0.11
(2) 8' x 2" Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12

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) 8' x 2" Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
(2) 8' x 2" Mount Pipe	C	From Centroid-Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
Commscope MC-PK8-DSH	C	None		0.00	90.00	No Ice 1/2" Ice 1" Ice 2" Ice	34.24 62.95 91.66 149.08	34.24 62.95 91.66 149.08	1.75 2.10 2.45 3.15
*** ***80***									
LLPX310R-V4 w/ Mount Pipe	A	From Leg	2.00 0.00 1.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.88 4.29 4.72 5.61	2.36 2.73 3.12 3.94	0.06 0.09 0.13 0.24
LLPX310R-V4 w/ Mount Pipe	B	From Leg	2.00 0.00 1.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.88 4.29 4.72 5.61	2.36 2.73 3.12 3.94	0.06 0.09 0.13 0.24
LLPX310R-V4 w/ Mount Pipe	C	From Leg	2.00 0.00 1.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.88 4.29 4.72 5.61	2.36 2.73 3.12 3.94	0.06 0.09 0.13 0.24
NNVV-65B-R4 w/ Mount Pipe	A	From Leg	2.00 0.00 1.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.55 8.04 8.53 9.56	4.23 4.67 5.12 6.05	0.11 0.20 0.30 0.53
NNVV-65B-R4 w/ Mount Pipe	B	From Leg	2.00 0.00 1.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.55 8.04 8.53 9.56	4.23 4.67 5.12 6.05	0.11 0.20 0.30 0.53
NNVV-65B-R4 w/ Mount Pipe	C	From Leg	2.00 0.00 1.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.55 8.04 8.53 9.56	4.23 4.67 5.12 6.05	0.11 0.20 0.30 0.53
CW JUNCTION BOX	A	From Leg	2.00 0.00 0.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.20 1.34 1.48 1.79	0.60 0.70 0.81 1.06	0.00 0.01 0.02 0.05
(2) AAHC	A	From Leg	2.00 0.00 1.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.21 4.47 4.73 5.28	2.07 2.26 2.47 2.90	0.10 0.14 0.17 0.26
AAHC	B	From Leg	2.00 0.00 1.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.21 4.47 4.73 5.28	2.07 2.26 2.47 2.90	0.10 0.14 0.17 0.26
AHFIB_CCIV2	A	From Leg	2.00 0.00 1.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.79 3.01 3.24 3.72	1.53 1.71 1.90 2.29	0.07 0.09 0.11 0.17
AHFIB_CCIV2	B	From Leg	2.00 0.00 1.00	0.00	80.00	No Ice 1/2" Ice 1" Ice	2.79 3.01 3.24	1.53 1.71 1.90	0.07 0.09 0.11

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	3.72	2.29	0.17
AHFIB_CCIV2	C	From Leg	2.00 0.00 1.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.79 3.01 3.24 3.72	1.53 1.71 1.90 2.29	0.07 0.09 0.11 0.17
WIMAX DAP HEAD	A	From Leg	2.00 0.00 0.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.55 1.70 1.87 2.22	0.68 0.80 0.92 1.19	0.03 0.04 0.06 0.09
WIMAX DAP HEAD	B	From Leg	2.00 0.00 0.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.55 1.70 1.87 2.22	0.68 0.80 0.92 1.19	0.03 0.04 0.06 0.09
WIMAX DAP HEAD	C	From Leg	2.00 0.00 0.00	0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.55 1.70 1.87 2.22	0.68 0.80 0.92 1.19	0.03 0.04 0.06 0.09
Side Arm Mount [SO 101-3]	C	None		0.00	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.81 6.95 8.28 11.54	5.81 6.95 8.28 11.54	0.25 0.34 0.46 0.78
*** *** ****									

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
*** 115' ***											
VHLP2-18	C	Paraboloid w/Shroud (HP)	From Leg	1.00 0.00 0.00	-17.00		115.00	2.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.14 3.41 3.68 4.21	0.03 0.05 0.07 0.10
***											

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice

Comb. No.	Description
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 Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	119.083 - 101.083	15.94	41	1.14	0.00
L2	104 - 66.5	12.41	41	1.09	0.00
L3	70.3333 - 32.8333	5.72	41	0.76	0.00
L4	37.5 - 0	1.64	40	0.40	0.00

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
120.00	AIR -32 B2A/B66AA w/ Mount Pipe	41	15.94	1.14	0.00	26075
115.00	VHLP2-18	41	14.97	1.13	0.00	26075
110.00	AIR 6419 B77G w/ Mount Pipe	41	13.80	1.11	0.00	14353
100.00	BXA-80063-4BF-EDIN-X w/ Mount Pipe	41	11.51	1.06	0.00	8024
90.00	MX08FRO665-21 w/ Mount Pipe	41	9.38	0.98	0.00	6798
80.00	LLPX310R-V4 w/ Mount Pipe	41	7.42	0.87	0.00	5898

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	119.083 - 101.083	73.91	6	5.27	0.00
L2	104 - 66.5	57.55	6	5.04	0.00
L3	70.3333 - 32.8333	26.53	6	3.55	0.00
L4	37.5 - 0	7.61	6	1.87	0.00

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
120.00	AIR -32 B2A/B66AA w/ Mount Pipe	6	73.91	5.27	0.00	5735
115.00	VHLP2-18	6	69.42	5.23	0.00	5735
110.00	AIR 6419 B77G w/ Mount Pipe	6	63.96	5.16	0.00	3156
100.00	BXA-80063-4BF-EDIN-X w/ Mount Pipe	6	53.39	4.93	0.00	1760
90.00	MX08FRO665-21 w/ Mount Pipe	6	43.49	4.55	0.00	1485
80.00	LLPX310R-V4 w/ Mount Pipe	6	34.41	4.06	0.00	1284

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	119.083 - 101.083 (1)	TP26x22.13x0.25	18.00	0.00	0.0	19.93	-10.59	1166.20	0.009
L2	101.083 - 66.5	TP34.06x24.87x0.31	37.50	0.00	0.0	32.54	-23.94	1903.83	0.013

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L3	66.5 - 32.8333 (2)	TP41.75x32.5x0.38	37.50	0.00	0.0	47.88	-32.17	2800.76	0.011
L4	32.8333 - 0 (3)	TP49.06x39.85x0.38	37.50	0.00	0.0	57.95	-43.56	3390.09	0.013

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	119.083 - 101.083 (1)	TP26x22.13x0.25	169.81	753.16	0.225	0.00	753.16	0.000
L2	101.083 - 66.5 (2)	TP34.06x24.87x0.31	916.88	1588.07	0.577	0.00	1588.07	0.000
L3	66.5 - 32.8333 (3)	TP41.75x32.5x0.38	1848.53	2847.93	0.649	0.00	2847.93	0.000
L4	32.8333 - 0 (4)	TP49.06x39.85x0.38	3016.03	3935.25	0.766	0.00	3935.25	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	119.083 - 101.083 (1)	TP26x22.13x0.25	14.68	349.86	0.042	0.10	769.74	0.000
L2	101.083 - 66.5 (2)	TP34.06x24.87x0.31	26.98	571.15	0.047	0.03	1641.13	0.000
L3	66.5 - 32.8333 (3)	TP41.75x32.5x0.38	29.75	840.23	0.035	0.03	2959.78	0.000
L4	32.8333 - 0 (4)	TP49.06x39.85x0.38	32.40	1017.03	0.032	0.03	4336.41	0.000

Pole Interaction Design Data

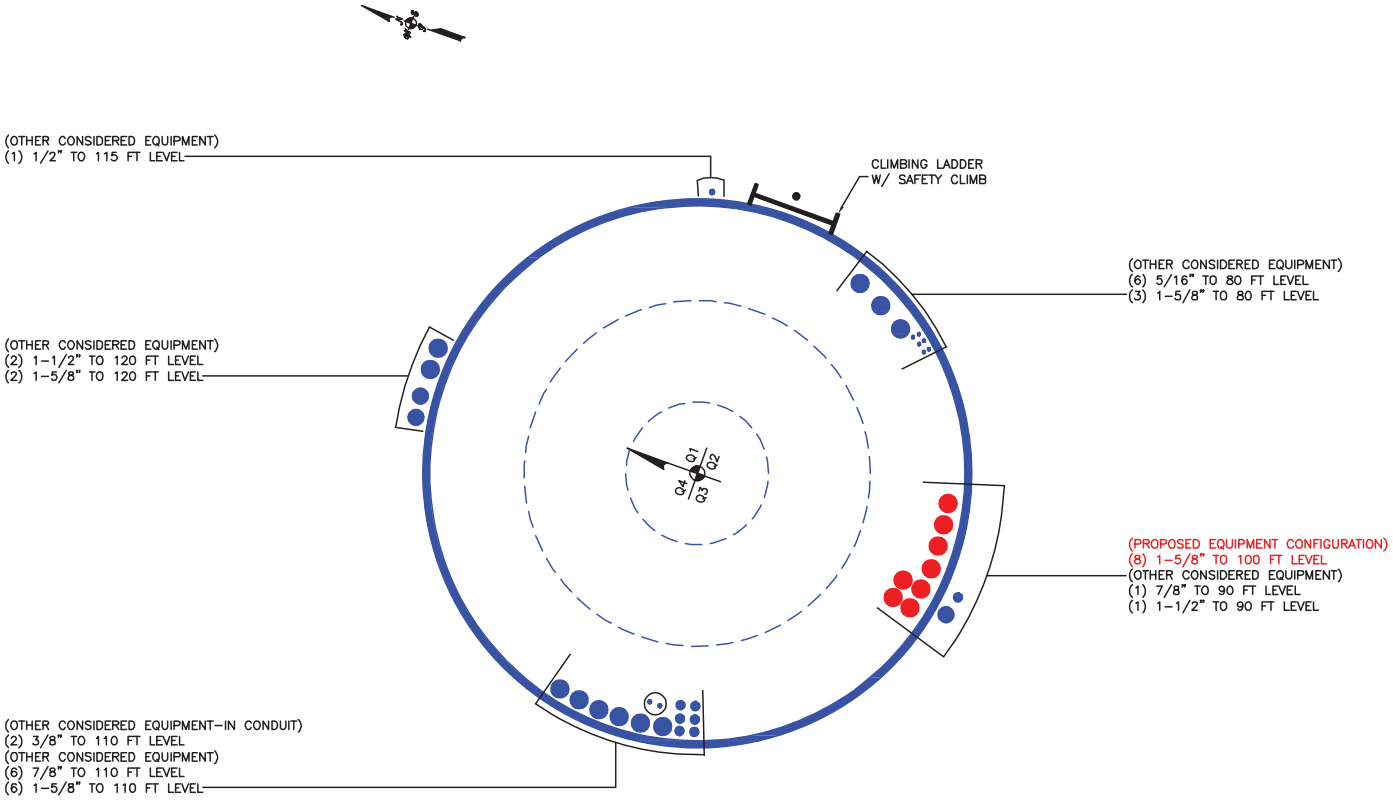
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	119.083 - 101.083 (1)	0.009	0.225	0.000	0.042	0.000	0.236	1.050	4.8.2
L2	101.083 - 66.5 (2)	0.013	0.577	0.000	0.047	0.000	0.592	1.050	4.8.2
L3	66.5 - 32.8333 (3)	0.011	0.649	0.000	0.035	0.000	0.662	1.050	4.8.2
L4	32.8333 - 0 (4)	0.013	0.766	0.000	0.032	0.000	0.780	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	119.083 - 101.083	Pole	TP26x22.13x0.25	1	-10.59	1224.51	22.5	Pass
L2	101.083 - 66.5	Pole	TP34.06x24.87x0.31	2	-23.94	1999.02	56.4	Pass
L3	66.5 - 32.8333	Pole	TP41.75x32.5x0.38	3	-32.17	2940.80	63.0	Pass
L4	32.8333 - 0	Pole	TP49.06x39.85x0.38	4	-43.56	3559.59	74.3	Pass
							Summary	
						Pole (L4)	74.3	Pass
						RATING =	**74.3**	**Pass**

APPENDIX B

BASE LEVEL DRAWING


(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 115 FT LEVEL
CLIMBING LADDER
W/ SAFETY CLIMB
(OTHER CONSIDERED EQUIPMENT)
(6) 5/16" TO 80 FT LEVEL
(3) 1-5/8" TO 80 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(2) 1-1/2" TO 120 FT LEVEL
(2) 1-5/8" TO 120 FT LEVEL
Q1
Q2
Q3
Q4
(PROPOSED EQUIPMENT CONFIGURATION)
(8) 1-5/8" TO 100 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 7/8" TO 90 FT LEVEL
(1) 1-1/2" TO 90 FT LEVEL
(OTHER CONSIDERED EQUIPMENT-IN CONDUIT)
(2) 3/8" TO 110 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(6) 7/8" TO 110 FT LEVEL
(6) 1-5/8" TO 110 FT LEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

TOWER ENGINEERING PROFESSIONALS

West Hartford/I-84/X43 (BU 829013)

TEP #: 25680.598942

Analysis: CGA 9/10/2021

Check: RAL 9/10/2021

Tubular Polygonal Members Capacity Check - ANSI/TIA-222-H-2017

Reaction Input

Elevation:	101.1	ft
Moment:	169.81	kip-ft
Axial:	10.59	kip
Shear:	14.68	kip
Torsion:	0.10	kip-ft

Actual Slip-Splice Length: 35.00 in

Required Slip-Splice Length: 38.25 in (per TIA-222-H 4.9.7.1)

Section Properties

Diameter:	26.00	in
Thickness:	0.250	in
No. of Sides:	18	
Flat Width:	4.14	in
Area:	20.43	in^2

Tip Diameter: 26.33 in

Material Properties

F_y:	65	ksi
E:	29000	ksi

Filled w/ Concrete? No

***Rating per TIA-222-H Section 15.5:** 1.05

Check Bending

S: 130.02 in^3

F'$_y$: 71.47 ksi (reduced to account for actual slip-splice length per TIA-222-H 13.3.5)

ϕM_n: 696.93 kip-ft 23.2% **PASS** $0.9*F'_y*S$

Check Axial

ϕP_n: 1314.18 kip 0.8% **PASS** $0.9*F'_y*A_g$

Check Shear

ϕV_n: 358.58 kip 3.9% **PASS** $0.9*0.6*F_y*A_g/2$

Check Torsion

m: 1.58

C_t: 261.91 in^3

ϕT_n: 808.65 kip-ft 0.0% **PASS** $0.95*0.6*F_y*C_t$

Interaction*: 24.1% **PASS** $(P_u/\varphi P_n) + (M_u/\varphi M_n) + [(V_u/\varphi V_n) + T_u/\phi T_n)]^2$

TOWER ENGINEERING PROFESSIONALS

West Hartford/I-84/X43 (BU 829013)

TEP #: 25680.598942

Analysis: CGA 9/10/2021

Check: RAL 9/10/2021

Tubular Polygonal Members Capacity Check - ANSI/TIA-222-H-2017

Reaction Input

Elevation:	66.5	ft
Moment:	916.88	kip-ft
Axial:	23.94	kip
Shear:	26.98	kip
Torsion:	0.03	kip-ft

Actual Slip-Splice Length: 46.00 in

Required Slip-Splice Length: 50.16 in (per TIA-222-H 4.9.7.1)

Section Properties

Diameter:	34.0625	in
Thickness:	0.3125	in
No. of Sides:	18	
Flat Width:	5.46	in
Area:	33.47	in^2

Tip Diameter: 34.50 in

Material Properties

F_y:	65	ksi
E:	29000	ksi

Filled w/ Concrete? No

***Rating per TIA-222-H Section 15.5:** 1.05

Check Bending

S: 279.30 in^3

F'$_y$: 70.82 ksi (reduced to account for actual slip-splice length per TIA-222-H 13.3.5)

ϕM_n: 1483.43 kip-ft 58.9% **PASS** $0.9*F'_y*S$

Check Axial

ϕP_n: 2133.50 kip 1.1% **PASS** $0.9*F'_y*A_g$

Check Shear

ϕV_n: 587.48 kip 4.4% **PASS** $0.9*0.6*F_y*A_g/2$

Check Torsion

m: 1.58

C_t: 562.41 in^3

ϕT_n: 1736.45 kip-ft 0.0% **PASS** $0.95*0.6*F_y*C_t$

Interaction*: 60.1% **PASS** $(P_u/\varphi P_n) + (M_u/\varphi M_n) + [(V_u/\varphi V_n) + T_u/\phi T_n)]^2$

TOWER ENGINEERING PROFESSIONALS

West Hartford/I-84/X43 (BU 829013)

TEP #: 25680.598942

Analysis: CGA 9/10/2021

Check: RAL 9/10/2021

Tubular Polygonal Members Capacity Check - ANSI/TIA-222-H-2017

Reaction Input

Elevation:	32.8	ft
Moment:	1848.53	kip-ft
Axial:	32.17	kip
Shear:	29.75	kip
Torsion:	0.03	kip-ft

Actual Slip-Splice Length: 56.00 in

Required Slip-Splice Length: 61.50 in (per TIA-222-H 4.9.7.1)

Section Properties

Diameter:	41.75	in
Thickness:	0.375	in
No. of Sides:	18	
Flat Width:	6.70	in
Area:	49.24	in^2

Tip Diameter: 42.28 in

Material Properties

F_y:	65	ksi
E:	29000	ksi

Filled w/ Concrete? No

***Rating per TIA-222-H Section 15.5:** 1.05

Check Bending

S: 503.78 in^3

F'_y: 69.60 ksi (reduced to account for actual slip-splice length per TIA-222-H 13.3.5)

ϕM_n: 2629.78 kip-ft 66.9% **PASS** $0.9*F'_y*S$

Check Axial

ϕP_n: 3084.76 kip 1.0% **PASS** $0.9*F'_y*A_g$

Check Shear

ϕV_n: 864.25 kip 3.3% **PASS** $0.9*0.6*F_y*A_g/2$

Check Torsion

m: 1.58

C_t: 1014.30 in^3

ϕT_n: 3131.64 kip-ft 0.0% **PASS** $0.95*0.6*F_y*C_t$

Interaction*: 68.1% **PASS** $(P_u/\varphi P_n) + (M_u/\varphi M_n) + [(V_u/\varphi V_n) + T_u/\phi T_n)]^2$

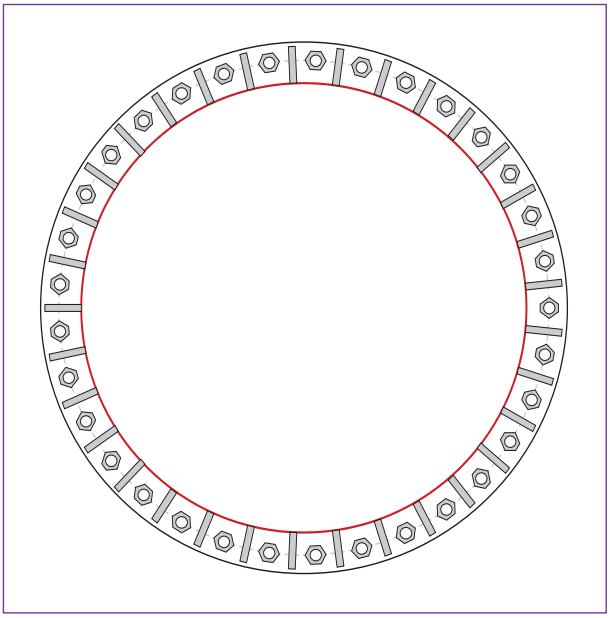
Monopole Base Plate Connection

Site Info	
BU #	829013
Site Name	West Hartford/I-84/X43
Order #	586100 Rev. 0

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

Applied Loads	
Moment (kip-ft)	3016.04
Axial Force (kips)	43.56
Shear Force (kips)	32.40

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(33) 1-1/4" ø bolts (A687 N; Fy=105 ksi, Fu=125 ksi) on 54" BC

Base Plate Data

58" OD x 1.5" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Stiffener Data

(33) 12"H x 4"W x 0.75"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.5" fillet
vert. weld: 0.25" fillet

Pole Data

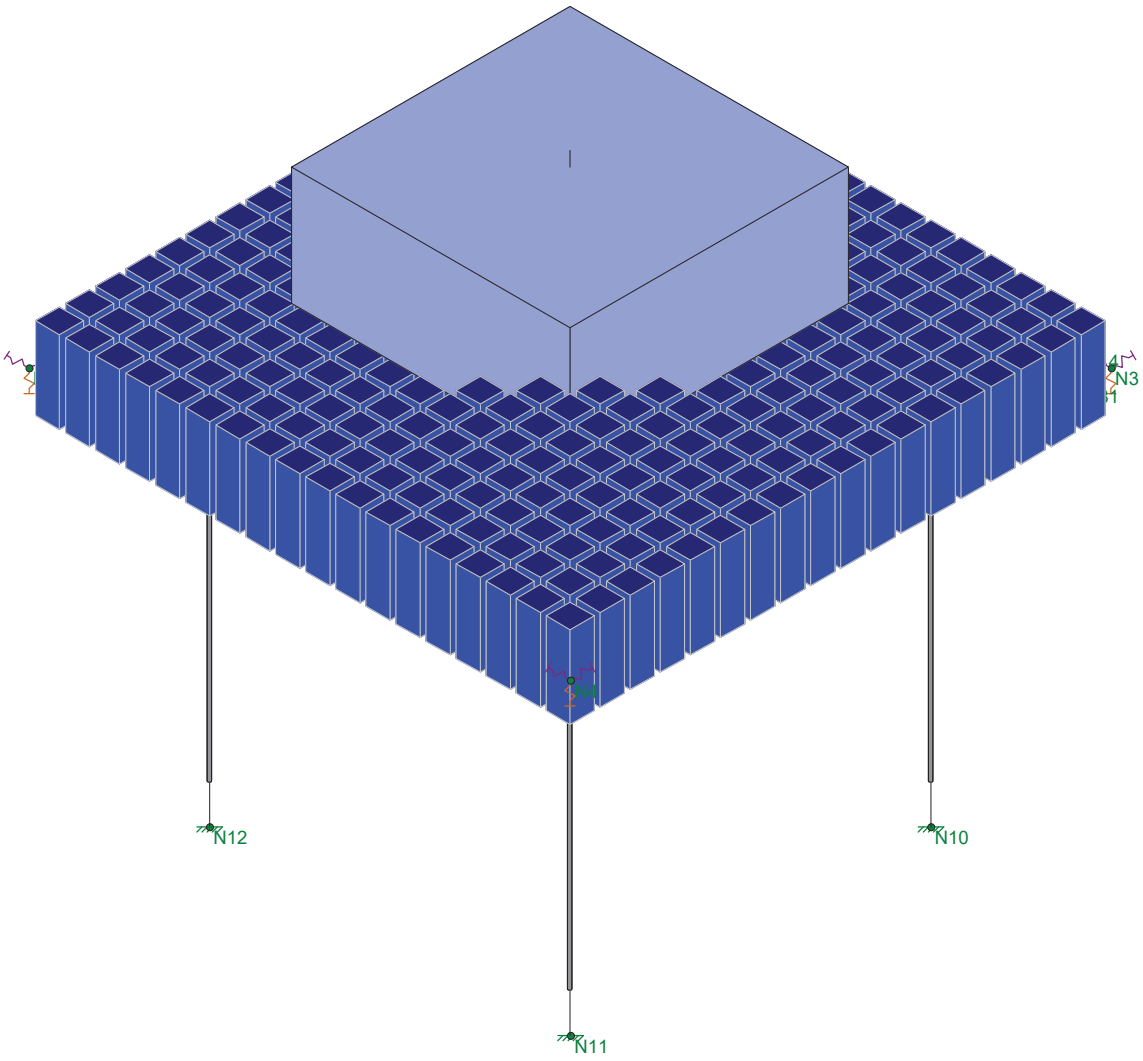
49.0625" x 0.375" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary		*(units of kips, kip-in)*
Pu_t = 79.9	ϕPn_t = 90.84	**Stress Rating**
Vu = 0.98	ϕVn = 57.52	**83.8%**
Mu = 1.28	ϕMn = 30.76	**Pass**

Base Plate Summary		
Max Stress (ksi):	28.17	(Roark's Flexural)
Allowable Stress (ksi):	45	
Stress Rating:	**59.6%**	**Pass**

Stiffener Summary		
Horizontal Weld:	**67.6%**	**Pass**
Vertical Weld:	**45.0%**	**Pass**
Plate Flexure+Shear:	**17.6%**	**Pass**
Plate Tension+Shear:	**66.3%**	**Pass**
Plate Compression:	**66.2%**	**Pass**
Pole Summary		
Punching Shear:	**8.1%**	**Pass**



Crown Castle	West Hartford/I-84/X43 (BU 829013)	SK - 1
CGA		Sept 9, 2021 at 3:28 PM
TEP No. 25680.598942		Foundation.r3d

Concrete Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[lb/f...	f'c[ksi]	Lambda	Flex Steel[...	Shear Stee...
1	Conc3000NW	3156	1372	.15	.6	145	3	1	60	60
2	Conc3500NW	3409	1482	.15	.6	145	3.5	1	60	60
3	Conc4000NW	3644	1584	.15	.6	145	4	1	60	60
4	Conc3000LW	2085	907	.15	.6	109.999	3	.75	60	60
5	Conc3500LW	2252	979	.15	.6	109.999	3.5	.75	60	60
6	Conc4000LW	2408	1047	.15	.6	109.999	4	.75	60	60

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N8	N12			1" WF Rock	Column	None	A722	Typical
2	M2	N7	N11			1" WF Rock	Column	None	A722	Typical
3	M3	N6	N10			1" WF Rock	Column	None	A722	Typical
4	M4	N5	N9			1" WF Rock	Column	None	A722	Typical
5	M5	TL1	N367			CRECT102X1...	Column	Rectangular	Conc3000...	Typical
6	M6	N367	TOWER			6' rigid offset	Column	None	RIGID	Typical

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Dead	DL		-1		1				324
2	Wind 0	WL				2				
3	Wind 90	WL				2				
4	Wind 45	WL				4				
5	Prestress	None						4		
6	Soil Strength 45	None				37				
7	Soil Strength 0	None				19				
8	Soil Strength 90	None				19				

Load Combinations

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Win...	Yes	Y		1	1.2	2	1	7	1												
2	1.2D+1.0Win...	Yes	Y		1	1.2	3	1	8	1												
3	1.2D+1.0Win...	Yes	Y		1	1.2	4	1	6	1												
4	0.9D+1.0Win...	Yes	Y		1	.9	2	1	7	1												
5	0.9D+1.0Win...	Yes	Y		1	.9	3	1	8	1												
6	0.9D+1.0Win...	Yes	Y		1	.9	4	1	6	1												
7	Prestress	Yes	Y		5	1																

Joint Loads and Enforced Displacements (BLC 1 : Dead)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	TL1	L	Y	-36

Joint Loads and Enforced Displacements (BLC 2 : Wind 0)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	TL1	L	X	32

Joint Loads and Enforced Displacements (BLC 2 : Wind 0) (Continued)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
2	TL1	L	Mz	-3014

Joint Loads and Enforced Displacements (BLC 3 : Wind 90)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	TL1	L	Z	32
2	TL1	L	Mx	3014

Joint Loads and Enforced Displacements (BLC 4 : Wind 45)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	TL1	L	X	22.63
2	TL1	L	Mz	-2131.22
3	TL1	L	Z	22.63
4	TL1	L	Mx	2131.22

Joint Loads and Enforced Displacements (BLC 6 : Soil Strength 45)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	N1	L	Y	-.706
2	N2	L	Y	-.706
3	N31	L	Y	-.706
4	N32	L	Y	-.706
5	N33	L	Y	-.706
6	N34	L	Y	-.706
7	N35	L	Y	-.706
8	N36	L	Y	-.706
9	N37	L	Y	-.706
10	N38	L	Y	-.706
11	N39	L	Y	-.706
12	N40	L	Y	-.706
13	N41	L	Y	-.706
14	N42	L	Y	-.706
15	N43	L	Y	-.706
16	N44	L	Y	-.706
17	N45	L	Y	-.706
18	N46	L	Y	-.706
19	N47	L	Y	-.706
20	N3	L	Y	-.706
21	N14	L	Y	-.706
22	N15	L	Y	-.706
23	N16	L	Y	-.706
24	N17	L	Y	-.706
25	N18	L	Y	-.706
26	N19	L	Y	-.706
27	N20	L	Y	-.706
28	N21	L	Y	-.706
29	N22	L	Y	-.706
30	N23	L	Y	-.706
31	N24	L	Y	-.706
32	N25	L	Y	-.706
33	N26	L	Y	-.706
34	N27	L	Y	-.706

Joint Loads and Enforced Displacements (BLC 6 : Soil Strength 45) (Continued)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
35	N28	L	Y	-.706
36	N29	L	Y	-.706
37	N30	L	Y	-.706

Joint Loads and Enforced Displacements (BLC 7 : Soil Strength 0)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	N1	L	Y	-.706
2	N2	L	Y	-.706
3	N31	L	Y	-.706
4	N32	L	Y	-.706
5	N33	L	Y	-.706
6	N34	L	Y	-.706
7	N35	L	Y	-.706
8	N36	L	Y	-.706
9	N37	L	Y	-.706
10	N38	L	Y	-.706
11	N39	L	Y	-.706
12	N40	L	Y	-.706
13	N41	L	Y	-.706
14	N42	L	Y	-.706
15	N43	L	Y	-.706
16	N44	L	Y	-.706
17	N45	L	Y	-.706
18	N46	L	Y	-.706
19	N47	L	Y	-.706

Joint Loads and Enforced Displacements (BLC 8 : Soil Strength 90)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/f...
1	N1	L	Y	-.706
2	N3	L	Y	-.706
3	N14	L	Y	-.706
4	N15	L	Y	-.706
5	N16	L	Y	-.706
6	N17	L	Y	-.706
7	N18	L	Y	-.706
8	N19	L	Y	-.706
9	N20	L	Y	-.706
10	N21	L	Y	-.706
11	N22	L	Y	-.706
12	N23	L	Y	-.706
13	N24	L	Y	-.706
14	N25	L	Y	-.706
15	N26	L	Y	-.706
16	N27	L	Y	-.706
17	N28	L	Y	-.706
18	N29	L	Y	-.706
19	N30	L	Y	-.706

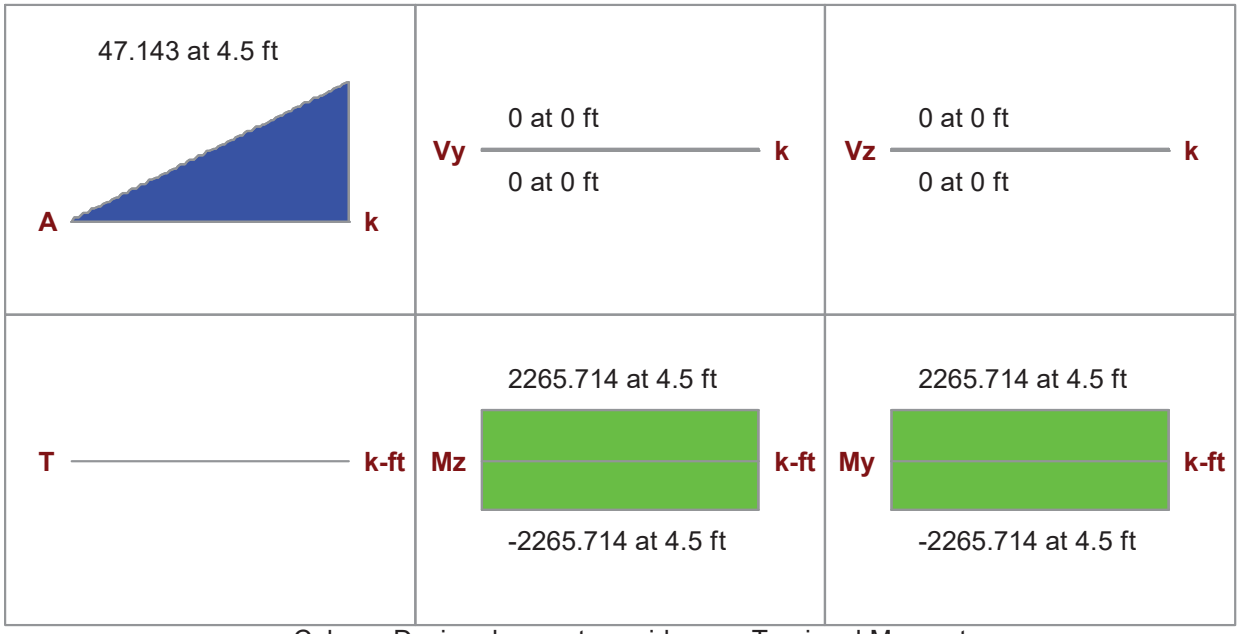
Envelope Member End Reactions

	Member	Me...		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-...	LC	y-y Mome...	LC	z-z Mome...	LC
1	M1	I	max	0	5	0	5	0	4	0	7	.011	3	0	5
2			min	-64.204	4	-.003	1	-.002	3	0	1	0	4	-.015	1
3		J	max	0	5	0	5	0	4	0	7	0	4	.021	1
4			min	-64.173	4	-.003	1	-.002	3	0	1	-.015	3	0	2
5	M2	I	max	0	6	0	7	0	7	0	7	0	6	0	7
6			min	-19.524	7	0	1	0	1	0	1	0	7	0	1
7		J	max	0	6	0	7	0	7	0	7	0	7	0	6
8			min	-19.524	7	0	1	0	1	0	1	0	1	0	7
9	M3	I	max	0	4	0	5	0	4	0	7	.015	2	0	5
10			min	-64.204	5	-.002	3	-.003	2	0	1	0	1	-.011	3
11		J	max	0	4	0	5	0	4	0	7	0	4	.015	3
12			min	-64.173	5	-.002	3	-.003	2	0	1	-.021	2	0	5
13	M4	I	max	-19.524	7	0	7	0	7	0	7	.015	2	0	7
14			min	-77.252	6	-.003	1	-.003	2	0	1	0	7	-.015	1
15		J	max	-19.524	7	0	7	0	7	0	7	0	7	.021	1
16			min	-77.221	6	-.003	1	-.003	2	0	1	-.021	2	0	7
17	M5	I	max	43.2	3	0	7	0	7	0	7	0	7	3014	4
18			min	0	7	-32.513	1	-32.513	2	0	1	-3014	2	0	2
19		J	max	99.772	3	0	7	0	7	0	7	0	7	3160.31	1
20			min	0	7	-32.513	1	-32.513	2	0	1	-3160.31	2	0	2
21	M6	I	max	99.772	3	0	7	0	7	0	7	0	7	3160.31	1
22			min	0	7	-32.711	1	-32.711	2	0	1	-3160.31	2	0	2
23		J	max	99.772	3	0	7	0	7	0	7	0	7	3201.198	1
24			min	0	7	-32.711	1	-32.711	2	0	1	-3201.198	2	0	2

Column: ***Pier***

Shape:	**CRECT102X102**	Concrete Stress Block:	**Rectangular**
Material:	**Conc3000NW**	Cracked Sections Used:	**Yes**
Length:	**4.5 ft**	Cracked 'I' Factor:	**.70**
I Joint:	**TL1**	Effective 'I':	**6.31419e+6 in^4**
J Joint:	**N367**	Effective 'I'(Service):	**9.02929e+6 in^4**
		Biaxial Bending Solution:	**PCA Load Contour**

Code Check: **0.583 (LC 1)**
Report Based On 97 Sections



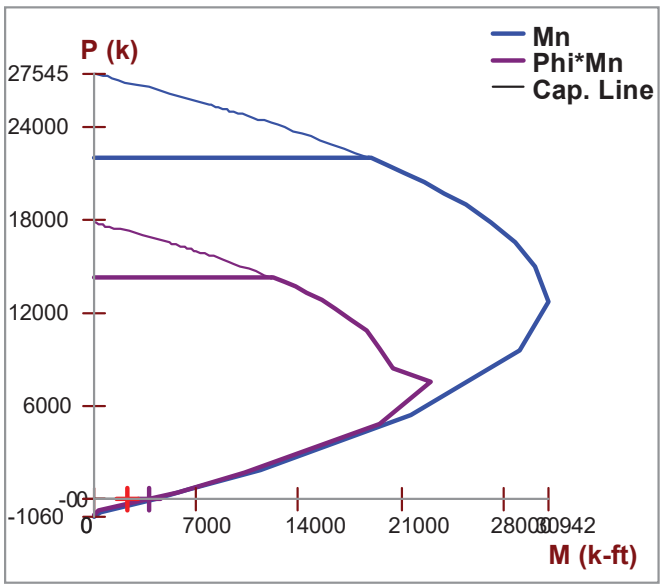
Column Design does not consider any Torsional Moments

Warning: Exact Integration selected but PCA method used
Custom rebar layout does not meet min steel (As,min) per Global Parameters

ACI 318-14 Code Check

		Bending Check	**0.583**	Shear Check	**0.000 (y)**
Gov LC	**7**	Location	**4.5 ft**	Location	**4.5 ft**
				Gov LC	**1**
Gov Pu	**0 k**	Gov Muy	**2265.714 k-ft**	Gov Vuy	**0 k**
phi*Pn		Gov Muz	**0 k-ft**	Gov Vuz	**0 k**
Phi eff.	**.9**	phi*Mnoy	**-.9 k-ft**	phi*Vny	**1111.305 k**
		phi*Mnoz		phi*Vnz	**1111.305 k**
Tension Bar Fy	**60 ksi**	Concrete Weight	**145 lb/ft^3**		
Shear Bar Fy	**60 ksi**	λ	**1**	Sway yy	**No**
F'c	**3 ksi**	E_Concrete	**3156 ksi**	Sway zz	**No**
Flex. Rebar Set	**ASTM A615**	Shear Rebar Set	**ASTM A615**	Thres. Torsion	**913.817k-ft(LC:17)**
Flex. Bars	**9 #6 , 9 #6 , 11 #6 , 11 #6**				
Shear Bars	**#4 @6in**				

Column Interaction Diagram



Span Information

Span	Span Length (ft)	I-Face Dist. (in)	J-Face Dist. (in)
1	0 - 4.5	0	0

Column Steel

Span	Main Bars	UC Max	Gov LC	Loc (ft)	Pu (k)	Muy (k-ft)	Muz (k-ft)
1	40 #6	0.583	7	4.5 ft	0	2265.714	0

Axial Span Results

Span	Phi_eff	Pn (k)	Po (k)	Rho Gross	As Prvd (in^2)
1	.9		27545.425	.0017	17.671

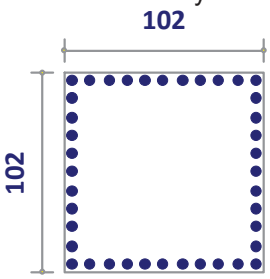
Bending Span Results

Span	ecc. y (ft)	ecc. z (ft)	NA y-y (ft)	NA z-z (ft)	Mny (k-ft)	Mnz (k-ft)	Mnoy (k-ft)	Mnoz (k-ft)
1	0	0		3.949	4319.59			

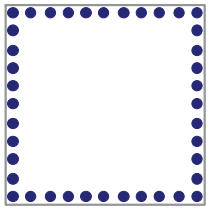
Rebar Detailing

Span	Region(ft)	Shear Steel
1	4.5 -	9 #4 @6in
	0 -	

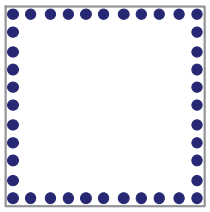
Flexural Layout



Total No. of Bars - Top : 4.5 ft
11#6 Top
9#6 Left
9#6 Right
11#6 Bottom



Total No. of Bars - Middle : 2.25 ft
11#6 Top
9#6 Left
9#6 Right
11#6 Bottom



Total No. of Bars - Bottom : 0 ft
11#6 Top
9#6 Left
9#6 Right
11#6 Bottom

Monopole on Pad & Pier Foundation w/ Rock Anchors - TIA-222-H

Site Data	
Site Name:	West Hartford/I-84/X43
Site Number:	BU 829013
TEP No.	25680.598942

Factored Reactions from TNX*		
Axial	43.560	k
Shear	32.400	k
Moment	3016.040	k-ft

*Assumed LC: 1.2D+1.0W

Tower & Foundation Properties		
Pad Width/Length	16.5	ft
Pad Thickness	2.5	ft
Pier Width/Diameter	8.5	ft
Pier Height	4.5	ft
Concrete Weight	150	pcf
Concrete f'c	3000	psi
Pad Rebar Size	#7	
Qty. Bars*	15	
Clear Cover	3	in

*Qty. reduced due to anticipated damage during drilling

Soil Properties				
q_{allow}	10.8	ksf	ASIF?	Yes
FS	2.0			
Subgrade Mod.	292.5	kcf		

Bar Selection				
Rod Size	Solid Bar			
Rod Size	WF R71-08			
Fy	120	ksi	ϕ_y	0.90
Fu	150	ksi	ϕ_r	0.75
Outer Diameter	1.00	in		
Effective Area	0.85	in^2		
Axial Rigidity	24650	k		
Design Strength	91.8	k		
Drill Bit Diameter	95	mm		
Drill Bit Diameter	3.75	in		

Steel to Grout Bond Length		
Ult Bond Strength	230	psi
Bar Circum.	3.142	in
Required Length	127.0	in
Pile Cap Thickness	30.0	in
Actual Length	157.0	in
Effective Stiffness	157	k/in

Grout to Soil Bond Length		
α_{bond}	100	psi (ult.)
ϕ Factor	0.75	
Shaft Circum.	11.8	in
Required Length	8.66	ft
Rock Weight	160	pcf
Rock Cone Angle	30	deg

Mat Foundation Results

Max Bearing Stress (RISA)	10.3	ksf
Bearing Capacity, ϕq_{allow}	16.3	ksf
Capacity*	**60.5%**	**Pass**

Mat Flexural Results

Mat Flexure (RISA)	965.3	k-ft
Flexural Capacity, ϕMn	1018.7	k-ft
Capacity*	**90.2%**	**Pass**

Rock Anchor Results

Max Force (RISA)	77.2	k
Pile Capacity, ϕPn	91.8	k
Capacity*	**80.1%**	**Pass**

Rock Anchor Pullout Results

Req. Bond Length, ld	11.9	ft
Req. Cone Height, h	12.2	ft
Total Req. Embedment	19.3	ft
Pullout Capacity, ϕTn	106.5	k
Capacity*	**69.0%**	**Pass**

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

TOWER ENGINEERING PROFESSIONALS

	PASS	PASS	
Results Summary:	LC1	LC2	
Soil Interaction*:	N/A	N/A	
Foundation Structural*:	33.4%	9.5%	

West Hartford/I-84/X43 (BU 829013)

TEP #:	25680.598942	
Analysis:	CGA	9/10/2021
Check:	RAL	9/10/2021

Drilled Caisson Tool - Original Pier

*Rating Per TIA-222-H Section 15.5

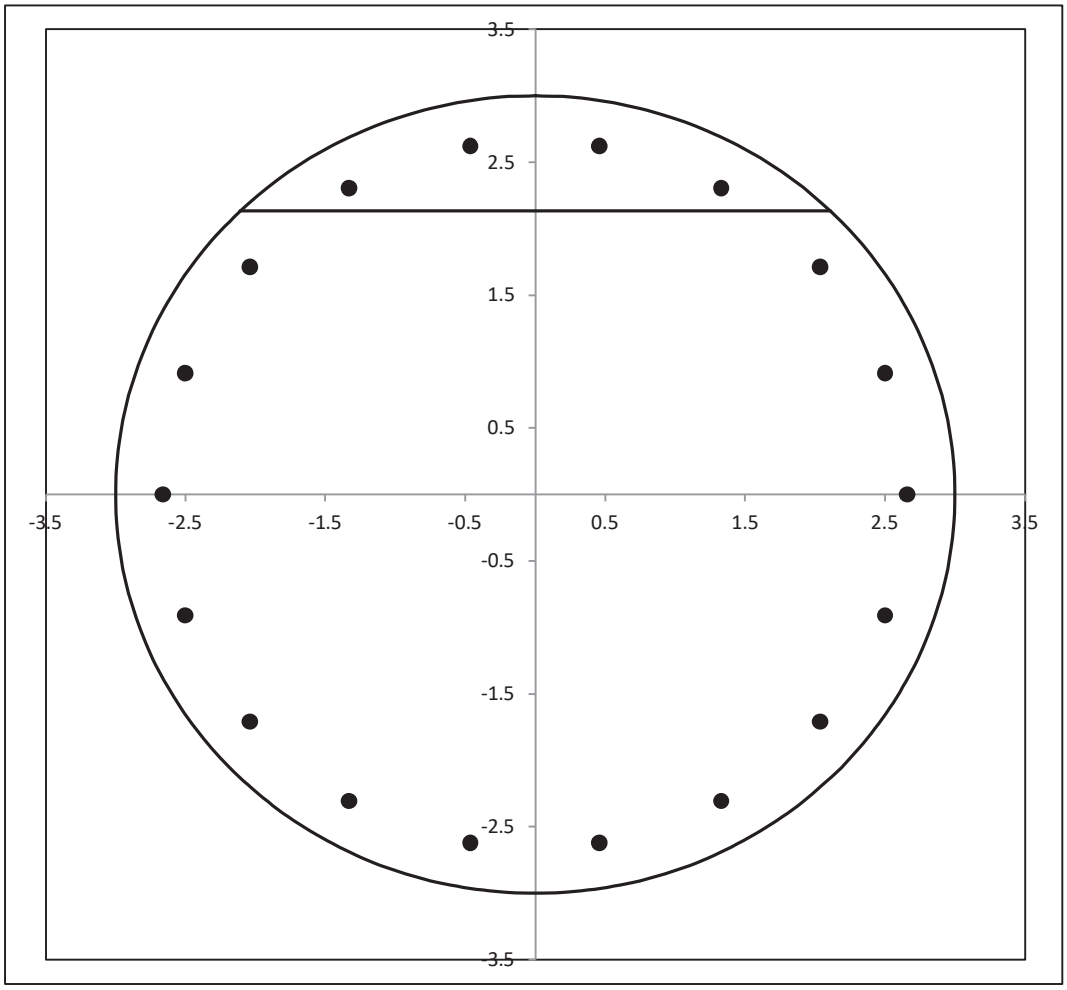
Code Revisions: TIA-222-H ACI 318-14 **Tower Type:** Monopole

	LC1	LC2	
Moment:	894.60	263.45	kip-ft
Axial (download):	43.56	87.00	kip
Shear:	32.40	9.00	kip
Axial (uplift):			kip

Shaft Information		
Diameter:	6.00	ft
Projection:	0.50	ft
Caisson Length:	4.50	ft
f'c:	3.000	ksi
Max εc:	0.003	in/in

Cage 1 Reinforcement		
Tie Bar Size:	4	*(fy = 60.0 ksi)*
Clear Cover to Tie:	3.00	*in (Cage Ø = 63.87in)*
Tie Bar Spacing:	6.00	in
Vertical Bar Size:	9	
Vertical Bar Quantity:	18	*(ρ =0.442%)* *per rebar mapping
fy:	60.0	ksi
E:	29,000	ksi

Reinforcement Capacity



		LC1	LC2	
	Vu =	32.4	9.0	kip
	Vc =	448.4	450.8	kip
fy,tie = 60.0	Vs =	269.8	269.8	kip
	ϕVn =	538.7	540.4	kip
	Capacity* =	5.7%	1.6%	
		PASS	PASS	

	LC1	LC2	
Mu =	894.6	263.4	kip-ft
ϕMn =	2550.7	2645.7	kip-ft
Capacity* =	33.4%	9.5%	
	PASS	PASS	

*Rating Per TIA-222-H Section 15.5

Exhibit E

Mount Analysis

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

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10100068
Maser Consulting Connecticut Project #: 21777984A

September 10, 2021

Site Information	*Site ID:*	*469328-VZW / W HARTFORD 2 CT*
	Site Name:	*W HARTFORD 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*467 South Quaker Lane* *West Hartford, Connecticut 06110* *Hartford County*
	Latitude:	*41.748750°*
	Longitude:	*-72.731333°*
Structure Information	*Tower Type:*	*120-Ft Monopole*
	Mount Type:	*13.50-Ft Platform*

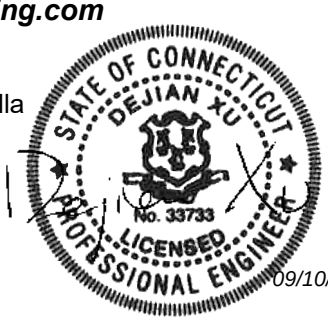
FUZE ID # 16272632

Analysis Results

Platform: **56.3% 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: Zachary Bandilla



09/10/2021

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: 325027, dated July 30, 2021
Mount Mapping Report	Hudson Design Group, LLC., Site #:469328, dated June 9, 2021
Previous Mount Analysis	Maser Consulting Connecticut, Project #: 21777984A, Dated August 30, 2021
Mount Modification Drawings	Maser Consulting Connecticut, Project #: 21777984A, Dated September 10, 2021

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	117 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.996
Seismic Parameters:	S_S:	0.189
	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
100.00	100.00	3	Commscope	NHH-65B-R2B	Added
		3	Commscope	NHHSS-65B-R2BT0	
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	CBRS RRH - RT4401-48A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		3	Amphenol Antel	BXA-80063-4BF	Retained

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

The recent mount mapping did not report existing OVP units. However, it is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required.

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Antenna Mount Pipe P2	*11.3 %*	*Pass*
HSS Standoff	*4.9 %*	*Pass*
Standoff Plate	*16.1 %*	*Pass*
Face Horizontal	*31.8 %*	*Pass*
Cross Bracing Angle	*56.3 %*	*Pass*
Standoff Welded	*18.1 %*	*Pass*
Grating Angle Brace	*5.0 %*	*Pass*
Antenna Mount Pipe	*18.3 %*	*Pass*
Proposed Support Rail	*7.8 %*	*Pass*
Proposed Top Corner Angle Bracket	*7.9 %*	*Pass*
Proposed kicker kit	*15.1 %*	*Pass*
Connection Check	*18.4 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**56.3 %**

Recommendation:

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

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

Attachments:

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

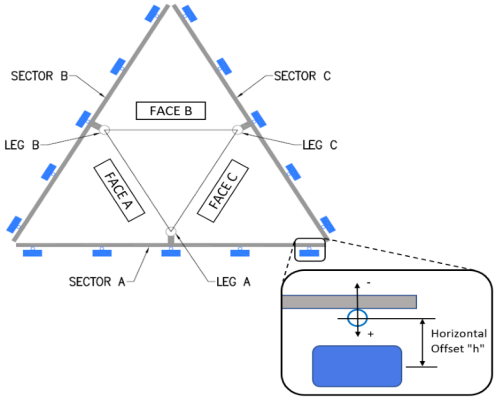
V4.0 Updated on 3-31-2021

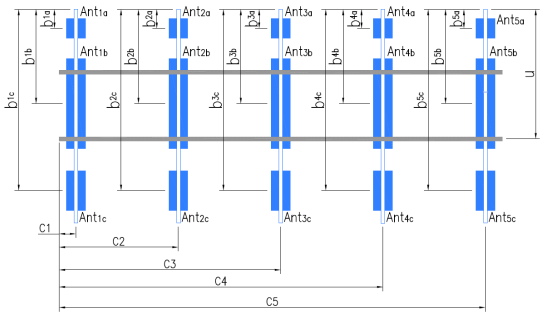
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	6/9/2021
Site Name:	W HARTFORD 2 CT	**Tower Type:**	Monopole
Site Number or ID:	469328	**Tower Height (Ft.):**	120
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	100

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





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2-1/2" STD. PIPE X 96" LONG	42.00	10.00	C1	2-1/2" STD. PIPE X 96" LONG	42.00	10.00
A2	2" STD. PIPE X 84" LONG	40.00	81.00	C2	2" STD. PIPE X 84" LONG	40.00	81.00
A3	2-1/2" STD. PIPE X 96" LONG	40.00	121.50	C3	2-1/2" STD. PIPE X 96" LONG	40.00	121.50
A4	2" STD. PIPE X 84" LONG	40.00	159.00	C4	2" STD. PIPE X 84" LONG	40.00	159.00
A5				C5			
A6				C6			
B1	2-1/2" STD. PIPE X 96" LONG	42.00	10.00	D1			
B2	2" STD. PIPE X 84" LONG	40.00	81.00	D2			
B3	2-1/2" STD. PIPE X 96" LONG	40.00	121.50	D3			
B4	2" STD. PIPE X 84" LONG	40.00	159.00	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	5.5
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	

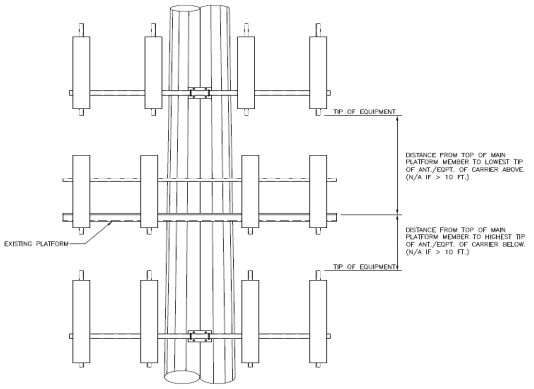
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	27.25
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			0.375

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}	B4 RRH2X60-4R	11.00	5.50	36.00		102.417	13.00	-7.00		38,40
Ant_{1b}	SBNHH-1D65B	12.00	7.50	73.00		99.9583	42.50	9.00	75.00	16,30
Ant_{1c}										
Ant_{2a}	B13 RRH2X30	12.00	7.50	20.50		102.167	14.00	-7.00		41,43
Ant_{2b}	LXN-6514DS-T4M	12.00	7.50	73.00		100.333	36.00	15.00	75.00	17,30
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	SBNHH-1D65B	12.00	7.50	73.00		99.7917	42.50	9.00	75.00	18,31
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-80063-4BF-EDIN-	11.00	5.00	48.00		101	28.00	12.50	75.00	18,31
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

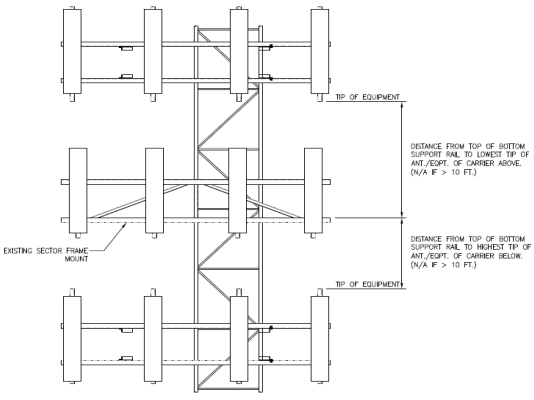
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	75.00	Deg	Leg A:		Deg
Sector B:	195.00	Deg	Leg B:		Deg
Sector C:	315.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

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

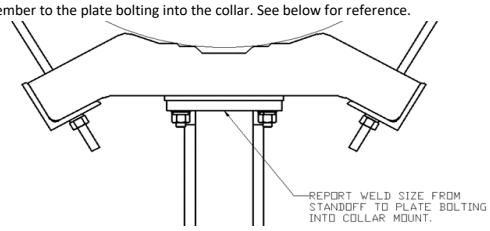
Please insert a photo of the mount centerline measurement here.



FOR PLATFORMS



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



Sector B										
Ant_{1a}	B4 RRH2X60-4R	11.00	5.50	36.00		102.417	13.00	-7.00		40
Ant_{1b}	SBNHH-1D65B	12.00	7.50	73.00		99.9583	42.50	9.00	195.00	21,32
Ant_{1c}										
Ant_{2a}	B13 RRH2X30	12.00	7.50	20.50		102.167	14.00	-7.00		43
Ant_{2b}	LXN-6514DS-T4M	12.00	7.50	73.00		100.333	36.00	15.00	195.00	22,32
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	SBNHH-1D65B	12.00	7.50	73.00		99.7917	42.50	9.00	195.00	23,33
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-80063-4BF-EDIN-	11.00	5.00	48.00		101	28.00	12.50	195.00	24,33
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	B4 RRH2X60-4R	11.00	5.50	36.00		102.417	13.00	-7.00		40
Ant_{1b}	SBNHH-1D65B	12.00	7.50	73.00		99.9583	42.50	9.00	315.00	27,34
Ant_{1c}										
Ant_{2a}	B13 RRH2X30	12.00	7.50	20.50		102.167	14.00	-7.00		43
Ant_{2b}	BXA-70063/6CFEDIN	11.00	5.00	71.00		100.333	36.00	10.00	315.00	28,35
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	SBNHH-1D65B	12.00	7.50	73.00		99.7917	42.50	9.00	315.00	29,35
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-80063-4BF-EDIN-	11.00	5.00	48.00		101	28.00	12.50	315.00	29,35
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

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

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

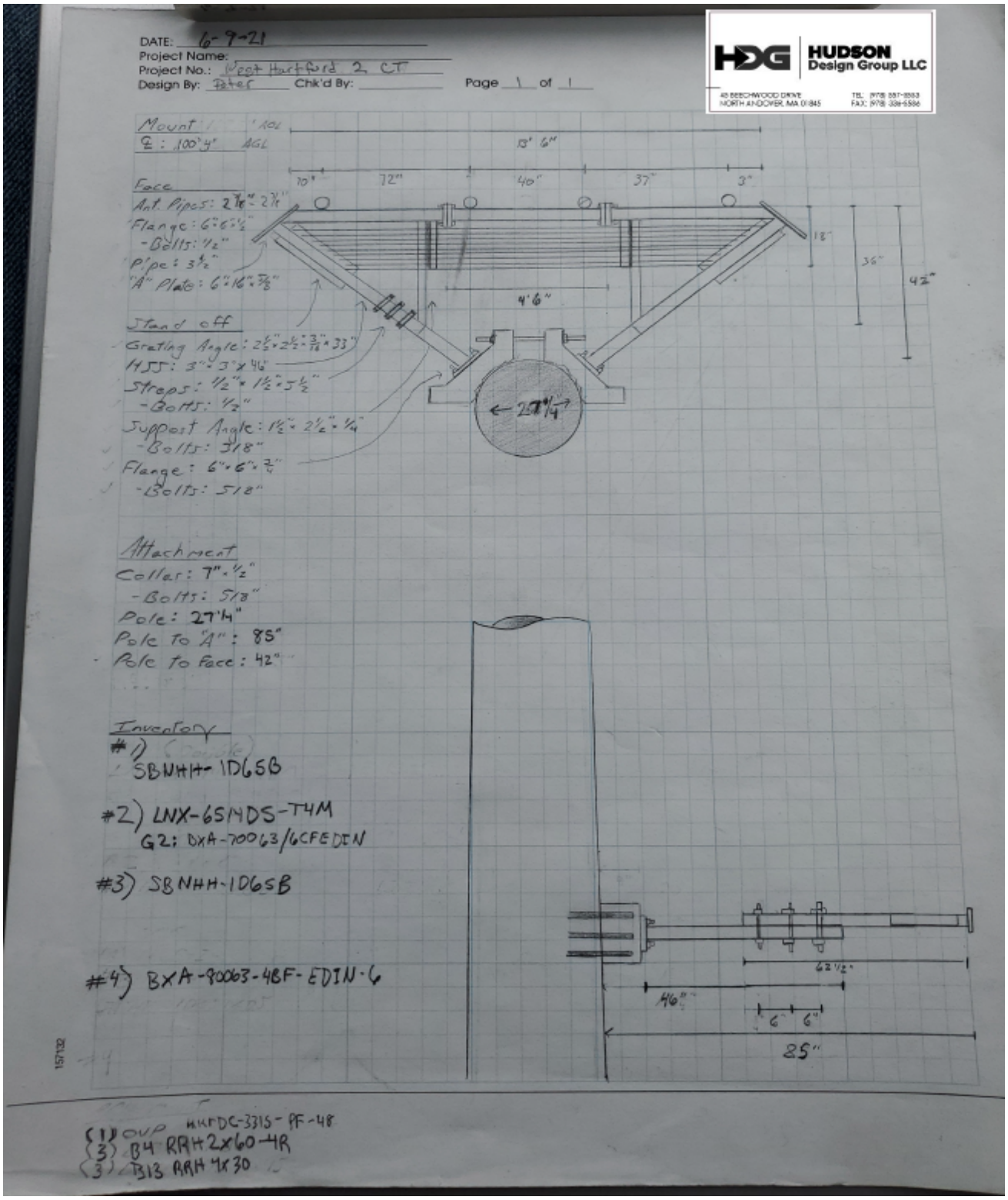
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

Antenna Mount Mapping Form (PATENT PENDING)

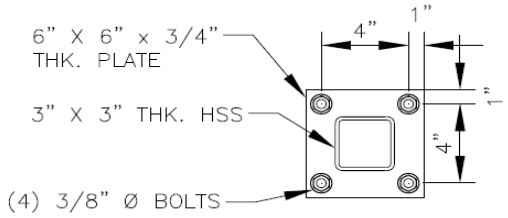
FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	6/9/2021
Site Name:	W HARTFORD 2 CT	**Tower Type:**	Monopole
Site Number or ID:	469328	**Tower Height (Ft.):**	120
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	100

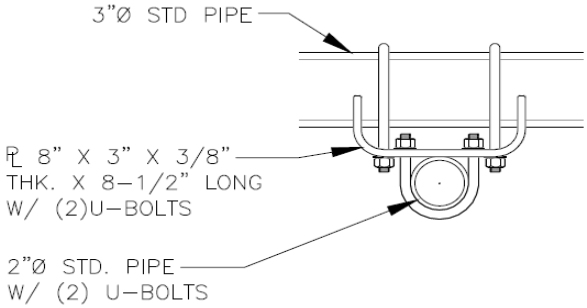
Please Insert Sketches of the Antenna Mount



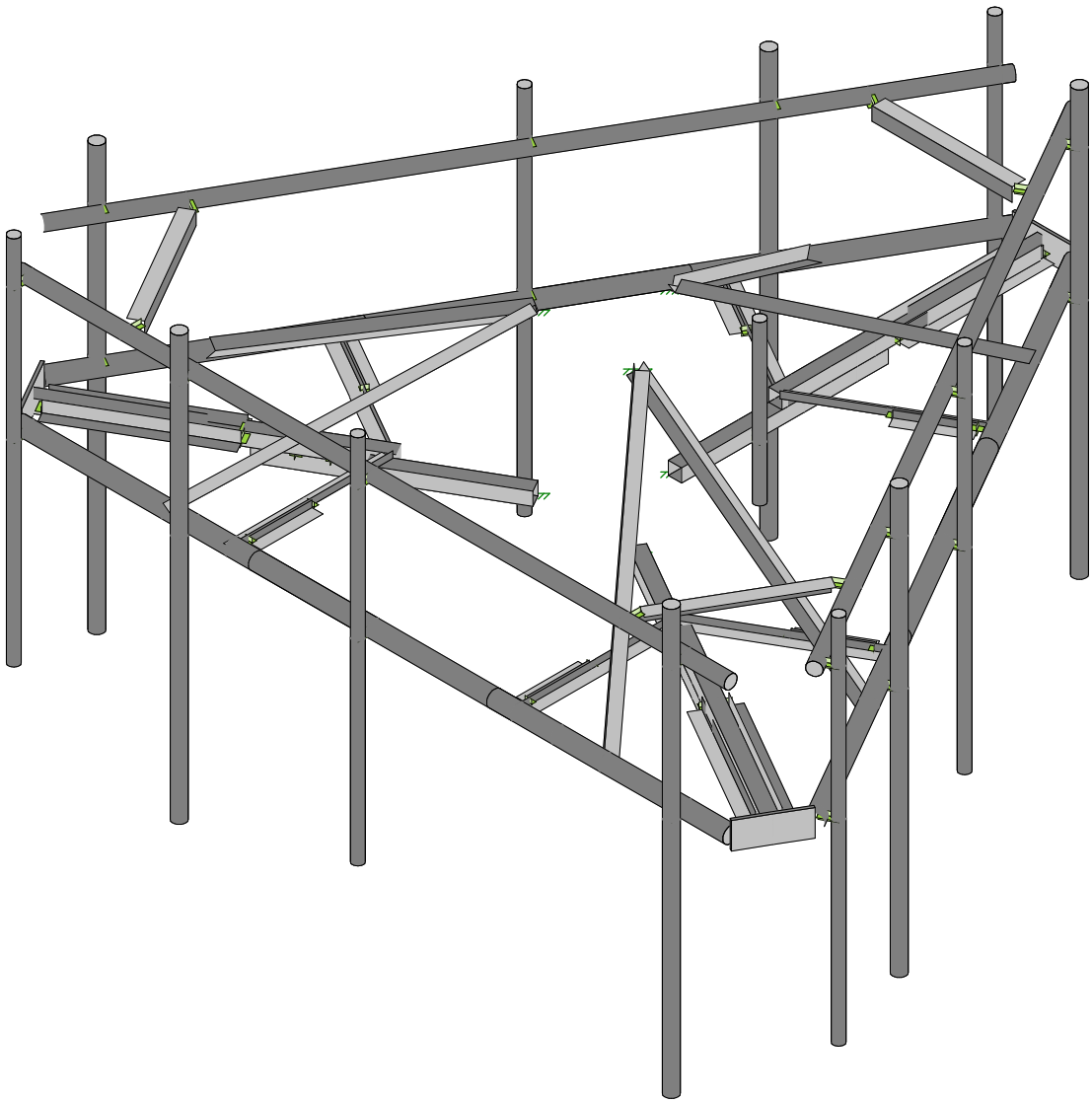
Please Insert Sketches of the Antenna Mount, cont'd



STANDOFF TO RING MOUNT CONNECTION

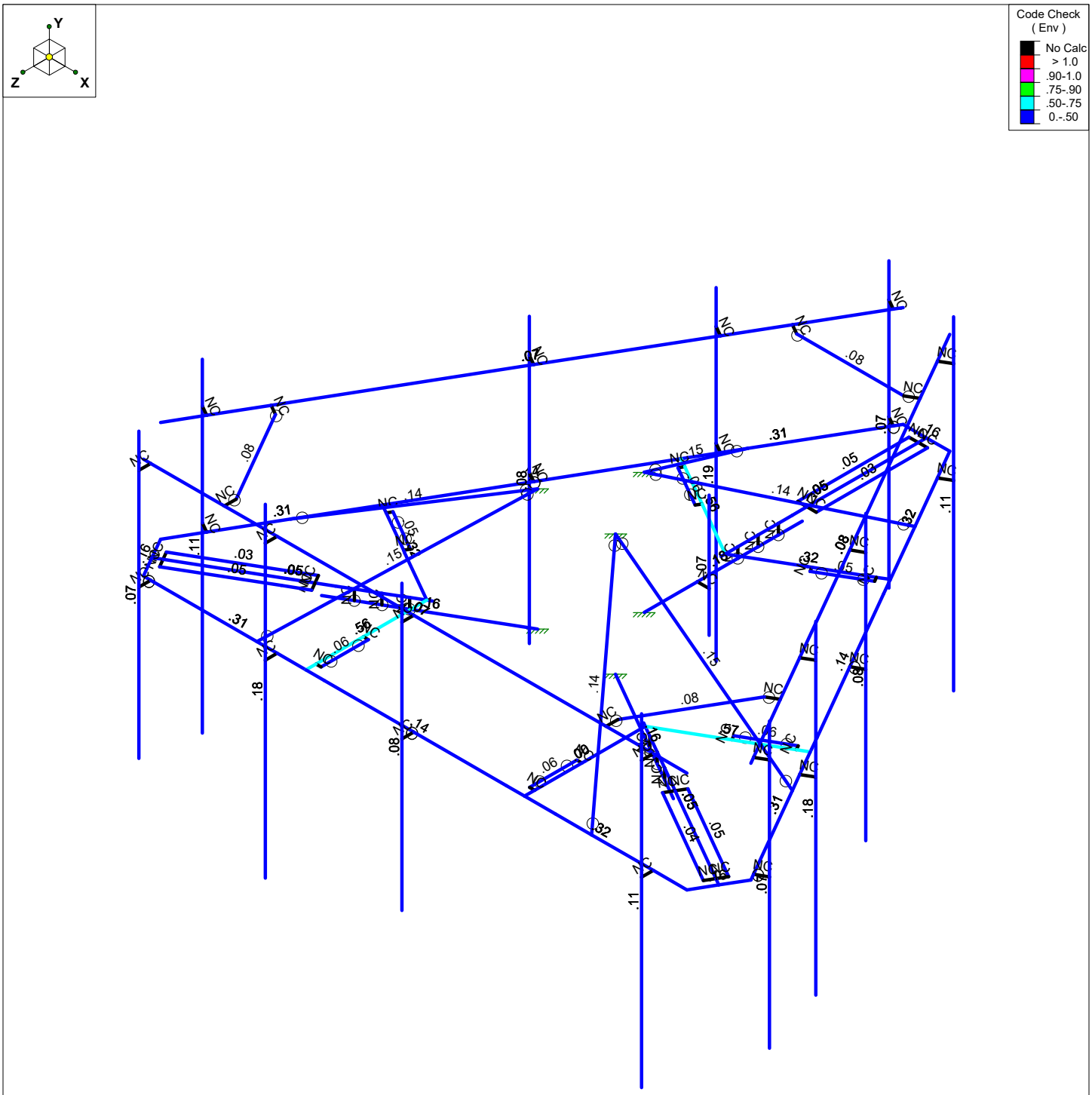


ANTENNA PIPE MAST MOUNT CONNECTION



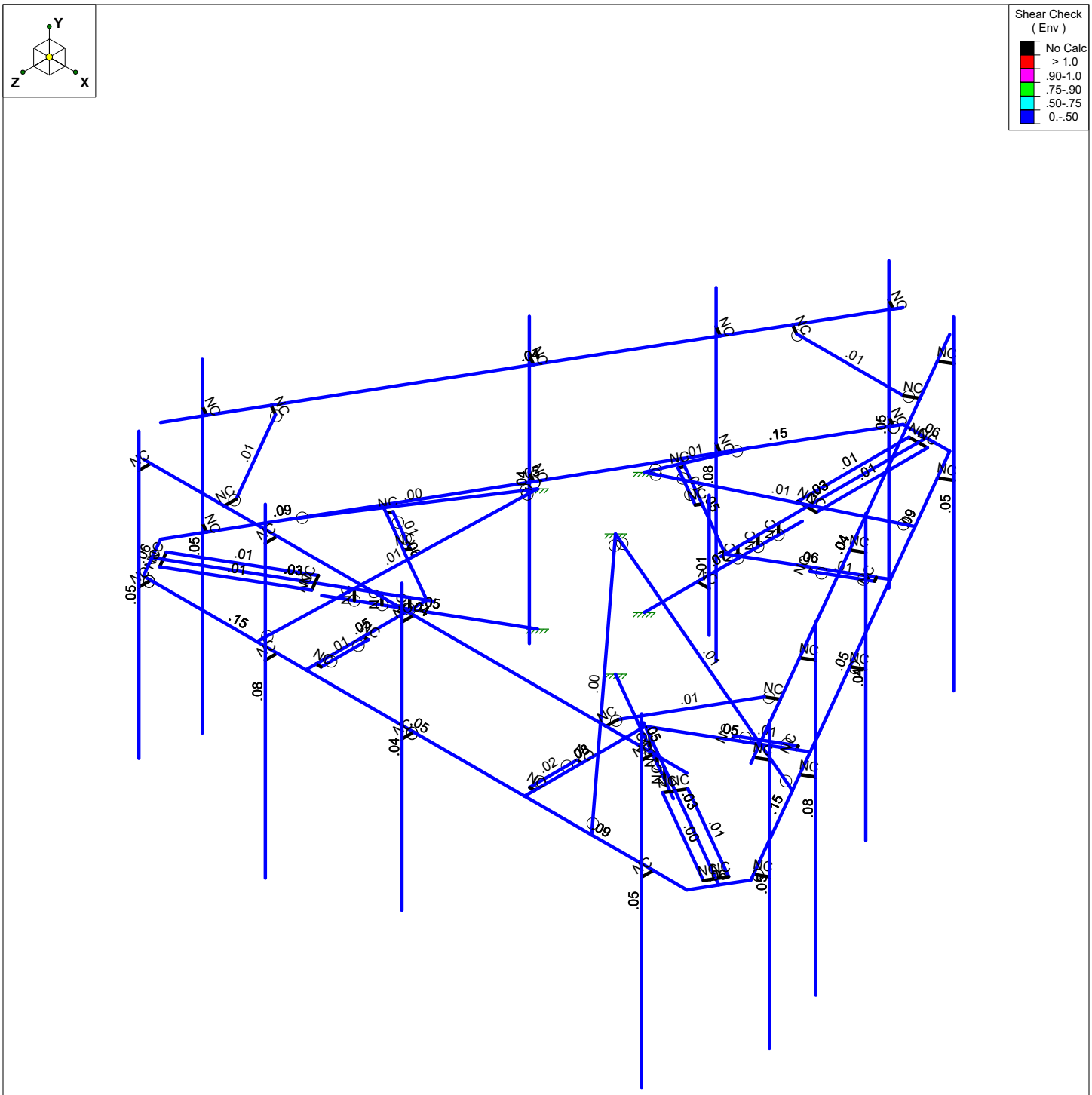
Envelope Only Solution

Maser Consulting	469328-VZW_MT_LO_H	SK - 1
		Sept 10, 2021 at 2:24 PM
		469328-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	469328-VZW_MT_LO_H	SK - 2
		Sept 10, 2021 at 2:24 PM
		469328-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	469328-VZW_MT_LO_H	SK - 3
		Sept 10, 2021 at 2:24 PM
		469328-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					102			
2	Antenna Di	None					102			
3	Antenna Wo (0 Deg)	None					102			
4	Antenna Wo (30 Deg)	None					102			
5	Antenna Wo (60 Deg)	None					102			
6	Antenna Wo (90 Deg)	None					102			
7	Antenna Wo (120 Deg)	None					102			
8	Antenna Wo (150 Deg)	None					102			
9	Antenna Wo (180 Deg)	None					102			
10	Antenna Wo (210 Deg)	None					102			
11	Antenna Wo (240 Deg)	None					102			
12	Antenna Wo (270 Deg)	None					102			
13	Antenna Wo (300 Deg)	None					102			
14	Antenna Wo (330 Deg)	None					102			
15	Antenna Wi (0 Deg)	None					102			
16	Antenna Wi (30 Deg)	None					102			
17	Antenna Wi (60 Deg)	None					102			
18	Antenna Wi (90 Deg)	None					102			
19	Antenna Wi (120 Deg)	None					102			
20	Antenna Wi (150 Deg)	None					102			
21	Antenna Wi (180 Deg)	None					102			
22	Antenna Wi (210 Deg)	None					102			
23	Antenna Wi (240 Deg)	None					102			
24	Antenna Wi (270 Deg)	None					102			
25	Antenna Wi (300 Deg)	None					102			
26	Antenna Wi (330 Deg)	None					102			
27	Antenna Wm (0 Deg)	None					102			
28	Antenna Wm (30 Deg)	None					102			
29	Antenna Wm (60 Deg)	None					102			
30	Antenna Wm (90 Deg)	None					102			
31	Antenna Wm (120 Deg)	None					102			
32	Antenna Wm (150 Deg)	None					102			
33	Antenna Wm (180 Deg)	None					102			
34	Antenna Wm (210 Deg)	None					102			
35	Antenna Wm (240 Deg)	None					102			
36	Antenna Wm (270 Deg)	None					102			
37	Antenna Wm (300 Deg)	None					102			
38	Antenna Wm (330 Deg)	None					102			
39	Structure D	None		-1					18	
40	Structure Di	None						61	18	
41	Structure Wo (0 Deg)	None						122		
42	Structure Wo (30 Deg)	None						122		
43	Structure Wo (60 Deg)	None						122		
44	Structure Wo (90 Deg)	None						122		
45	Structure Wo (120 D...	None						122		
46	Structure Wo (150 D...	None						122		
47	Structure Wo (180 D...	None						122		
48	Structure Wo (210 D...	None						122		
49	Structure Wo (240 D...	None						122		
50	Structure Wo (270 D...	None						122		
51	Structure Wo (300 D...	None						122		
52	Structure Wo (330 D...	None						122		
53	Structure Wi (0 Deg)	None						122		
54	Structure Wi (30 Deg)	None						122		
55	Structure Wi (60 Deg)	None						122		
56	Structure Wi (90 Deg)	None						122		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						122		
58	Structure Wi (150 De...	None						122		
59	Structure Wi (180 De...	None						122		
60	Structure Wi (210 De...	None						122		
61	Structure Wi (240 De...	None						122		
62	Structure Wi (270 De...	None						122		
63	Structure Wi (300 De...	None						122		
64	Structure Wi (330 De...	None						122		
65	Structure Wm (0 Deg)	None						122		
66	Structure Wm (30 De...	None						122		
67	Structure Wm (60 De...	None						122		
68	Structure Wm (90 De...	None						122		
69	Structure Wm (120 D...	None						122		
70	Structure Wm (150 D...	None						122		
71	Structure Wm (180 D...	None						122		
72	Structure Wm (210 D...	None						122		
73	Structure Wm (240 D...	None						122		
74	Structure Wm (270 D...	None						122		
75	Structure Wm (300 D...	None						122		
76	Structure Wm (330 D...	None						122		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						276		
82	BLC 40 Transient Are...	None						276		

Load Combinations

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

Load Combinations (Continued)

	Description	Solve	P...	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact...
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	N2	-0.	0	-1.114583	0	
3	N3	-0.	0	-5.020833	0	
4	N4	-0.	.25	-3.010833	0	
5	N5	-0.	.25	-8.086337	0	
6	N6	-0.	.25	-3.4275	0	
7	N7	-0.	.25	-3.9275	0	
8	N8	-0.	.25	-4.4275	0	
9	N9	-0.	0	-3.4275	0	
10	N10	-0.	0	-3.9275	0	
11	N11	-0.	0	-4.4275	0	
12	N12	-0.	.25	-3.115	0	
13	N16	-0.576449	.25	-8.086337	0	
14	N17	0.576449	.25	-8.086337	0	
15	N18	-0.965257	0	0.557292	0	
16	N19	-4.348169	0	2.510417	0	
17	N20	-2.607458	.25	1.505417	0	
18	N21	-7.002973	.25	4.043168	0	
19	N22	-2.968302	.25	1.71375	0	
20	N23	-3.401315	.25	1.96375	0	
21	N24	-3.834327	.25	2.21375	0	
22	N25	-2.968302	0	1.71375	0	
23	N26	-3.401315	0	1.96375	0	
24	N27	-3.834327	0	2.21375	0	
25	N28	-2.697669	.25	1.5575	0	
26	N31	-6.714749	.25	4.542388	0	
27	N32	-7.291197	.25	3.543949	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
28	N34	0.965257	0	0.557292	0	
29	N35	4.348169	0	2.510417	0	
30	N36	2.607458	.25	1.505417	0	
31	N37	7.002973	.25	4.043168	0	
32	N38	2.968302	.25	1.71375	0	
33	N39	3.401315	.25	1.96375	0	
34	N40	3.834327	.25	2.21375	0	
35	N41	2.968302	0	1.71375	0	
36	N42	3.401315	0	1.96375	0	
37	N43	3.834327	0	2.21375	0	
38	N44	2.697669	.25	1.5575	0	
39	N45	7.291197	.25	3.543949	0	
40	N46	6.714749	.25	4.542388	0	
41	N49	-2.25098	.25	4.542388	0	
42	N52	2.25102	.25	4.542388	0	
43	N53	2.70102	.25	4.542388	0	
44	N55	2.583313	.25	-4.610346	0	
45	N57	-5.284333	.25	0.067958	0	
46	N57A	-2.583313	.25	-4.610346	0	
47	N58	-2.70102	.25	4.542388	0	
48	N60	5.284333	.25	0.067958	0	
49	N59	2.70102	.25	3.042388	0	
50	N60A	-2.70102	.25	3.042388	0	
51	N61	-0.	.25	-5.135833	0	
52	N62	-0.	.25	-7.885833	0	
53	N63	-0.229167	.25	-5.135833	0	
54	N64	-0.229167	.25	-7.885833	0	
55	N65	0.229167	.25	-5.135833	0	
56	N66	0.229167	.25	-7.885833	0	
57	N67	4.811237	.25	3.042388	0	
58	N69	-4.447762	.25	2.567917	0	
59	N70	-6.829332	.25	3.942917	0	
60	N71	-4.333179	.25	2.766381	0	
61	N72	-6.714749	.25	4.141381	0	
62	N73	-4.562345	.25	2.369453	0	
63	N74	-6.943915	.25	3.744453	0	
64	N76	4.447762	.25	2.567917	0	
65	N77	6.829332	.25	3.942917	0	
66	N78	4.562345	.25	2.369453	0	
67	N79	6.943915	.25	3.744453	0	
68	N80	4.333179	.25	2.766381	0	
69	N81	6.714749	.25	4.141381	0	
70	N81A	1.284275	.25	-3.860346	0	
71	N82	0.229167	.25	-5.687847	0	
72	N85	-3.985295	.25	0.817958	0	
73	N86	-5.040403	.25	2.645459	0	
74	N89	-1.284275	.25	-3.860346	0	
75	N90	-0.229167	.25	-5.687847	0	
76	N92	-4.811237	.25	3.042388	0	
77	N95	3.985295	.25	0.817958	0	
78	N96	5.040403	.25	2.645459	0	
79	N125	3.465687	.25	4.542388	0	
80	N203B	-2.69943	.25	3.125722	0	
81	N204B	-2.70074	.25	4.292388	0	
82	N205	2.69943	.25	3.125722	0	
83	N206A	2.70074	.25	4.292388	0	
84	N207A	2.57443	.25	3.125722	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
85	N208	2.57574	.25	4.292388	0	
86	N211	-2.57443	.25	3.125722	0	
87	N212	-2.57574	.25	4.292388	0	
88	N211A	4.05667	.25	0.774914	0	
89	N212A	5.067687	.25	0.192715	0	
90	N213	1.35724	.25	-3.900636	0	
91	N214	2.366947	.25	-4.485103	0	
92	N215	1.41974	.25	-3.792383	0	
93	N216	2.429447	.25	-4.37685	0	
94	N217	3.99417	.25	0.666661	0	
95	N218	5.005187	.25	0.084462	0	
96	N219	-1.35724	.25	-3.900636	0	
97	N220	-2.366947	.25	-4.485103	0	
98	N221	-4.05667	.25	0.774914	0	
99	N222	-5.067687	.25	0.192715	0	
100	N223	-3.99417	.25	0.666661	0	
101	N224	-5.005187	.25	0.084462	0	
102	N225	-1.41974	.25	-3.792383	0	
103	N226	-2.429447	.25	-4.37685	0	
104	N165A	5.059313	.25	-0.321788	0	
105	N166A	2.808313	.25	-4.220635	0	
106	N169A	-2.808333	.25	-4.220599	0	
107	N170A	-5.059333	.25	-0.321753	0	
108	N167A	5.881415	.25	4.542388	0	
109	N169B	5.881415	.25	4.834054	0	
110	N170B	5.881415	3.75	4.834054	0	
111	N171A	5.881415	-4.25	4.834054	0	
112	N167B	-0.035251	.25	4.542388	0	
113	N169C	-0.035251	.25	4.834054	0	
114	N170C	-0.035251	3.583333	4.834054	0	
115	N171B	-0.035251	-3.416667	4.834054	0	
116	N164A	-3.410251	.25	4.542388	0	
117	N166B	-3.410251	.25	4.834054	0	
118	N167C	-3.410251	3.583333	4.834054	0	
119	N168A	-3.410251	-4.416667	4.834054	0	
120	N160A	-6.535251	.25	4.542388	0	
121	N162A	-6.535251	.25	4.834054	0	
122	N163	-6.535251	3.583333	4.834054	0	
123	N164B	-6.535251	-3.416667	4.834054	0	
124	N129	0.993115	.25	-7.364649	0	
125	N130	1.245706	.25	-7.510482	0	
126	N131	1.245706	3.75	-7.510482	0	
127	N132	1.245706	-4.25	-7.510482	0	
128	N133	3.951449	.25	-2.240665	0	
129	N134	4.20404	.25	-2.386499	0	
130	N135	4.20404	3.583333	-2.386499	0	
131	N136	4.20404	-3.416667	-2.386499	0	
132	N137	5.638949	.25	0.68217	0	
133	N138	5.89154	.25	0.536337	0	
134	N139	5.89154	3.583333	0.536337	0	
135	N140	5.89154	-4.416667	0.536337	0	
136	N141	7.201449	.25	3.3885	0	
137	N142	7.45404	.25	3.242666	0	
138	N143	7.45404	3.583333	3.242666	0	
139	N144	7.45404	-3.416667	3.242666	0	
140	N146	-6.874531	.25	2.822261	0	
141	N147	-7.127122	.25	2.676428	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
142	N148	-7.127122	3.75	2.676428	0	
143	N149	-7.127122	-4.25	2.676428	0	
144	N150	-3.916197	.25	-2.301722	0	
145	N151	-4.168788	.25	-2.447556	0	
146	N152	-4.168788	3.583333	-2.447556	0	
147	N153	-4.168788	-3.416667	-2.447556	0	
148	N154	-2.228697	.25	-5.224558	0	
149	N155	-2.481288	.25	-5.370391	0	
150	N156	-2.481288	3.583333	-5.370391	0	
151	N157	-2.481288	-4.416667	-5.370391	0	
152	N158	-0.666197	.25	-7.930888	0	
153	N159	-0.918788	.25	-8.076721	0	
154	N160	-0.918788	3.583333	-8.076721	0	
155	N161	-0.918788	-3.416667	-8.076721	0	
156	N156A	-0.	0	-2.4275	0	
157	N158A	0.291667	0	-2.4275	0	
158	N158B	0.291667	2	-2.4275	0	
159	N159A	0.291667	-1	-2.4275	0	
160	N160B	5.881415	2.75	4.542388	0	
161	N161A	5.881415	2.75	4.834054	0	
162	N162	-0.035251	2.75	4.542388	0	
163	N163A	-0.035251	2.75	4.834054	0	
164	N164	-3.410251	2.75	4.542388	0	
165	N165	-3.410251	2.75	4.834054	0	
166	N166	-6.535251	2.75	4.542388	0	
167	N167	-6.535251	2.75	4.834054	0	
168	N168	-6.714749	2.75	4.542388	0	
169	N169	6.714749	2.75	4.542388	0	
170	N171	0.993115	2.75	-7.364649	0	
171	N172	1.245706	2.75	-7.510482	0	
172	N173	3.951449	2.75	-2.240665	0	
173	N174	4.20404	2.75	-2.386499	0	
174	N175	5.638949	2.75	0.68217	0	
175	N176	5.89154	2.75	0.536337	0	
176	N177	7.201449	2.75	3.3885	0	
177	N178	7.45404	2.75	3.242666	0	
178	N179	7.291197	2.75	3.543949	0	
179	N180	0.576449	2.75	-8.086337	0	
180	N182	-6.874531	2.75	2.822261	0	
181	N183	-7.127122	2.75	2.676428	0	
182	N184	-3.916197	2.75	-2.301722	0	
183	N185	-4.168788	2.75	-2.447556	0	
184	N186	-2.228697	2.75	-5.224558	0	
185	N187	-2.481288	2.75	-5.370391	0	
186	N188	-0.666197	2.75	-7.930888	0	
187	N189	-0.918788	2.75	-8.076721	0	
188	N190	-0.576449	2.75	-8.086337	0	
189	N191	-7.291197	2.75	3.543949	0	
190	N190A	4.714749	2.75	4.542388	0	
191	N191A	-4.714749	2.75	4.542388	0	
192	N194	1.576449	2.75	-6.354286	0	
193	N195	6.291197	2.75	1.811898	0	
194	N198	-6.291197	2.75	1.811898	0	
195	N199	-1.576449	2.75	-6.354286	0	
196	N196	4.714749	2.75	4.250721	0	
197	N197	6.038607	2.75	1.957732	0	
198	N201	1.323858	2.75	-6.208453	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
199	N202	-1.323858	2.75	-6.208453	0	
200	N206	-6.038607	2.75	1.957732	0	
201	N207	-4.714749	2.75	4.250721	0	
202	N202A	-0.	.25	-4.770833	0	
203	N203	-0.	3	-1.114583	0	
204	N205A	-4.131663	.25	2.385417	0	
205	N206B	-0.965257	3	0.557292	0	
206	N208A	4.131663	.25	2.385417	0	
207	N209	0.965257	3	0.557292	0	
208	N208B	-3.910251	.25	4.542388	0	
209	N209A	4.36026	.25	4.542388	0	
210	N212B	5.888949	.25	1.115183	0	
211	N213A	1.753693	.25	-6.04729	0	
212	N216A	-1.978697	.25	-5.657571	0	
213	N217A	-6.113953	.25	1.504902	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design L...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Mount Pipe P2	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	HSS Standoff	HSS3X3X5	Beam	SquareT...	A500 Gr. B 46	Typical	2.94	3.45	3.45	5.94
3	Standoff Plate	PL5/8X6	Beam	BAR	A36 Gr.36	Typical	3.75	.122	11.25	.456
4	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
5	Cross Bracing Angle	L2.5x1.5x4	Beam	Single A...	A36 Gr.36	Typical	.947	.16	.594	.021
6	Standoff Welded	L2.5x2.5x3	Beam	Single A...	A36 Gr.36	Typical	.901	.535	.535	.011
7	Grating Angle Brace	L2.5x1.5x4	Beam	Single A...	A36 Gr.36	Typical	.947	.16	.594	.021
8	Antenna Mount Pipe	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
9	Proposed support rail	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
10	proposed top corner an...	L3X3X4	Beam	Single A...	A36 Gr.36	Typical	1.44	1.23	1.23	.031
11	proposed kicker kit	L2.5x2.5x4	Beam	Double ...	A36 Gr.36	Typical	1.19	.692	.692	.026

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M4	HSS Standoff	3.906			Lbyy						Lateral
2	M5	HSS Standoff	5.076			Lbyy						Lateral
3	M10	HSS Standoff	3.906			Lbyy						Lateral
4	M11	HSS Standoff	5.076			Lbyy						Lateral
5	M16	HSS Standoff	3.906			Lbyy						Lateral
6	M17	HSS Standoff	5.076			Lbyy						Lateral
7	M21	Face Horizo...	4.464			Lbyy						Lateral
8	M24	Face Horizo...	4.502			Lbyy						Lateral
9	M27	Face Horizo...	4.464			Lbyy						Lateral
10	M28	Cross Braci...	2.985			Lbyy						Lateral
11	M29	Cross Braci...	2.985			Lbyy						Lateral
12	M30	Cross Braci...	2.985			Lbyy						Lateral
13	M31	Cross Braci...	2.985			Lbyy						Lateral
14	M32	Cross Braci...	2.985			Lbyy						Lateral
15	M33	Cross Braci...	2.985			Lbyy						Lateral
16	M38	Standoff W...	2.75			Lbyy						Lateral
17	M39	Standoff W...	2.75			Lbyy						Lateral
18	M44	Standoff W...	2.75			Lbyy						Lateral
19	M45	Standoff W...	2.75			Lbyy						Lateral
20	M50	Standoff W...	2.75			Lbyy						Lateral
21	M51	Standoff W...	2.75			Lbyy						Lateral
22	M128	Grating Ang...	1.167			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
23	M129	Grating Ang...	1.167			Lbyy						Lateral
24	M138	Grating Ang...	1.167			Lbyy						Lateral
25	M141	Grating Ang...	1.167			Lbyy						Lateral
26	M150	Grating Ang...	1.167			Lbyy						Lateral
27	M153	Grating Ang...	1.167			Lbyy						Lateral
28	M106	Standoff Pla...	1.153			Lbyy						Lateral
29	M106A	Standoff Pla...	1.153			Lbyy						Lateral
30	M107A	Standoff Pla...	1.153			Lbyy						Lateral
31	M94A	Face Horizo...	4.464			Lbyy						Lateral
32	M95	Face Horizo...	4.502			Lbyy						Lateral
33	M96A	Face Horizo...	4.464			Lbyy						Lateral
34	M97	Face Horizo...	4.464			Lbyy						Lateral
35	M98A	Face Horizo...	4.502			Lbyy						Lateral
36	M99	Face Horizo...	4.464			Lbyy						Lateral
37	MP1A	Antenna Mo...	8			Lbyy						Lateral
38	MP2A	Antenna Mo...	7			Lbyy						Lateral
39	MP3A	Antenna Mo...	8			Lbyy						Lateral
40	MP4A	Antenna Mo...	7			Lbyy						Lateral
41	MP1C	Antenna Mo...	8			Lbyy						Lateral
42	MP2C	Antenna Mo...	7			Lbyy						Lateral
43	MP3C	Antenna Mo...	8			Lbyy						Lateral
44	MP4C	Antenna Mo...	7			Lbyy						Lateral
45	MP1B	Antenna Mo...	8			Lbyy						Lateral
46	MP2B	Antenna Mo...	7			Lbyy						Lateral
47	MP3B	Antenna Mo...	8			Lbyy						Lateral
48	MP4B	Antenna Mo...	7			Lbyy						Lateral
49	M95A	Antenna Mo...	3			Lbyy						Lateral
50	M100	Proposed s...	13.429			Lbyy						Lateral
51	M105	Proposed s...	13.429			Lbyy						Lateral
52	M110	Proposed s...	13.429			Lbyy						Lateral
53	M113	proposed to...	2.648			Lbyy						Lateral
54	M116	proposed to...	2.648			Lbyy						Lateral
55	M119	proposed to...	2.648			Lbyy						Lateral
56	M123	proposed ki...	5.667			Lbyy						Lateral
57	M124A	proposed ki...	5.914			Lbyy						Lateral
58	M122	proposed ki...	5.667			Lbyy						Lateral
59	M123A	proposed ki...	5.914			Lbyy						Lateral
60	M124B	proposed ki...	5.667			Lbyy						Lateral
61	M125A	proposed ki...	5.914			Lbyy						Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N8	N11			RIGID	None	None	RIGID	Typical
2	M2	N7	N10			RIGID	None	None	RIGID	Typical
3	M3	N6	N9			RIGID	None	None	RIGID	Typical
4	M4	N2	N3			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
5	M5	N4	N5			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
6	M7A	N24	N27		60	RIGID	None	None	RIGID	Typical
7	M8	N23	N26		60	RIGID	None	None	RIGID	Typical
8	M9	N22	N25		60	RIGID	None	None	RIGID	Typical
9	M10	N18	N19			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
10	M11	N20	N21			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
11	M13	N40	N43		30	RIGID	None	None	RIGID	Typical
12	M14	N39	N42		30	RIGID	None	None	RIGID	Typical
13	M15	N38	N41		30	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
14	M16	N34	N35			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
15	M17	N36	N37			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
16	M21	N31	N49			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
17	M24	N49	N52			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
18	M27	N52	N46			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
19	M28	N44	N53		270	Cross Bracing ...	Beam	Single Angle	A36 Gr.36	Typical
20	M29	N12	N55		270	Cross Bracing ...	Beam	Single Angle	A36 Gr.36	Typical
21	M30	N28	N57		270	Cross Bracing ...	Beam	Single Angle	A36 Gr.36	Typical
22	M31	N57A	N12		270	Cross Bracing ...	Beam	Single Angle	A36 Gr.36	Typical
23	M32	N58	N28		270	Cross Bracing ...	Beam	Single Angle	A36 Gr.36	Typical
24	M33	N60	N44		270	Cross Bracing ...	Beam	Single Angle	A36 Gr.36	Typical
25	M34	N65	N61			RIGID	None	None	RIGID	Typical
26	M35	N66	N62			RIGID	None	None	RIGID	Typical
27	M36	N64	N62			RIGID	None	None	RIGID	Typical
28	M37	N63	N61			RIGID	None	None	RIGID	Typical
29	M38	N64	N63			Standoff Weld...	Beam	Single Angle	A36 Gr.36	Typical
30	M39	N66	N65		270	Standoff Weld...	Beam	Single Angle	A36 Gr.36	Typical
31	M40	N73	N69			RIGID	None	None	RIGID	Typical
32	M41	N74	N70			RIGID	None	None	RIGID	Typical
33	M42	N72	N70			RIGID	None	None	RIGID	Typical
34	M43	N71	N69			RIGID	None	None	RIGID	Typical
35	M44	N72	N71			Standoff Weld...	Beam	Single Angle	A36 Gr.36	Typical
36	M45	N74	N73		270	Standoff Weld...	Beam	Single Angle	A36 Gr.36	Typical
37	M46	N80	N76			RIGID	None	None	RIGID	Typical
38	M47	N81	N77			RIGID	None	None	RIGID	Typical
39	M48	N79	N77			RIGID	None	None	RIGID	Typical
40	M49	N78	N76			RIGID	None	None	RIGID	Typical
41	M50	N79	N78			Standoff Weld...	Beam	Single Angle	A36 Gr.36	Typical
42	M51	N81	N80		270	Standoff Weld...	Beam	Single Angle	A36 Gr.36	Typical
43	M124	N205	N207A			RIGID	None	None	RIGID	Typical
44	M125	N206A	N208			RIGID	None	None	RIGID	Typical
45	M128	N208	N207A		270	Grating Angle ...	Beam	Single Angle	A36 Gr.36	Typical
46	M127	N203B	N211			RIGID	None	None	RIGID	Typical
47	M128A	N204B	N212			RIGID	None	None	RIGID	Typical
48	M129	N211	N212		270	Grating Angle ...	Beam	Single Angle	A36 Gr.36	Typical
49	M136	N213	N215			RIGID	None	None	RIGID	Typical
50	M137	N214	N216			RIGID	None	None	RIGID	Typical
51	M138	N216	N215		270	Grating Angle ...	Beam	Single Angle	A36 Gr.36	Typical
52	M139	N211A	N217			RIGID	None	None	RIGID	Typical
53	M140	N212A	N218			RIGID	None	None	RIGID	Typical
54	M141	N217	N218		270	Grating Angle ...	Beam	Single Angle	A36 Gr.36	Typical
55	M148	N221	N223			RIGID	None	None	RIGID	Typical
56	M149	N222	N224			RIGID	None	None	RIGID	Typical
57	M150	N224	N223		270	Grating Angle ...	Beam	Single Angle	A36 Gr.36	Typical
58	M151	N219	N225			RIGID	None	None	RIGID	Typical
59	M152	N220	N226			RIGID	None	None	RIGID	Typical
60	M153	N225	N226		270	Grating Angle ...	Beam	Single Angle	A36 Gr.36	Typical
61	M106	N46	N45			Standoff Plate	Beam	BAR	A36 Gr.36	Typical
62	M106A	N17	N16			Standoff Plate	Beam	BAR	A36 Gr.36	Typical
63	M107A	N32	N31			Standoff Plate	Beam	BAR	A36 Gr.36	Typical
64	M94A	N45	N165A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
65	M95	N165A	N166A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
66	M96A	N166A	N17			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
67	M97	N16	N169A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
68	M98A	N169A	N170A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
69	M99	N170A	N32			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
70	M100A	N167A	N169B			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
71	MP1A	N170B	N171A			Antenna Moun...	Beam	Pipe	A53 Gr. B	Typical
72	M100B	N167B	N169C			RIGID	None	None	RIGID	Typical
73	MP2A	N170C	N171B			Antenna Moun...	Beam	Pipe	A53 Gr. B	Typical
74	M98B	N164A	N166B			RIGID	None	None	RIGID	Typical
75	MP3A	N167C	N168A			Antenna Moun...	Beam	Pipe	A53 Gr. B	Typical
76	M96B	N160A	N162A			RIGID	None	None	RIGID	Typical
77	MP4A	N163	N164B			Antenna Moun...	Beam	Pipe	A53 Gr. B	Typical
78	M80	N129	N130			RIGID	None	None	RIGID	Typical
79	MP1C	N131	N132			Antenna Moun...	Beam	Pipe	A53 Gr. B	Typical
80	M82	N133	N134			RIGID	None	None	RIGID	Typical
81	MP2C	N135	N136			Antenna Moun...	Beam	Pipe	A53 Gr. B	Typical
82	M84	N137	N138			RIGID	None	None	RIGID	Typical
83	MP3C	N139	N140			Antenna Moun...	Beam	Pipe	A53 Gr. B	Typical
84	M86	N141	N142			RIGID	None	None	RIGID	Typical
85	MP4C	N143	N144			Antenna Moun...	Beam	Pipe	A53 Gr. B	Typical
86	M88	N146	N147			RIGID	None	None	RIGID	Typical
87	MP1B	N148	N149			Antenna Moun...	Beam	Pipe	A53 Gr. B	Typical
88	M90	N150	N151			RIGID	None	None	RIGID	Typical
89	MP2B	N152	N153			Antenna Moun...	Beam	Pipe	A53 Gr. B	Typical
90	M92	N154	N155			RIGID	None	None	RIGID	Typical
91	MP3B	N156	N157			Antenna Moun...	Beam	Pipe	A53 Gr. B	Typical
92	M94	N158	N159			RIGID	None	None	RIGID	Typical
93	MP4B	N160	N161			Antenna Moun...	Beam	Pipe	A53 Gr. B	Typical
94	M94B	N156A	N158A			RIGID	None	None	RIGID	Typical
95	M95A	N158B	N159A			Antenna Moun...	Beam	Pipe	A53 Gr. B	Typical
96	M96	N160B	N161A			RIGID	None	None	RIGID	Typical
97	M97A	N162	N163A			RIGID	None	None	RIGID	Typical
98	M98	N164	N165			RIGID	None	None	RIGID	Typical
99	M99A	N166	N167			RIGID	None	None	RIGID	Typical
100	M100	N168	N169			Proposed sup...	Beam	Pipe	A53 Gr. B	Typical
101	M101	N171	N172			RIGID	None	None	RIGID	Typical
102	M102	N173	N174			RIGID	None	None	RIGID	Typical
103	M103	N175	N176			RIGID	None	None	RIGID	Typical
104	M104	N177	N178			RIGID	None	None	RIGID	Typical
105	M105	N179	N180			Proposed sup...	Beam	Pipe	A53 Gr. B	Typical
106	M106B	N182	N183			RIGID	None	None	RIGID	Typical
107	M107	N184	N185			RIGID	None	None	RIGID	Typical
108	M108	N186	N187			RIGID	None	None	RIGID	Typical
109	M109	N188	N189			RIGID	None	None	RIGID	Typical
110	M110	N190	N191			Proposed sup...	Beam	Pipe	A53 Gr. B	Typical
111	M111	N196	N190A			RIGID	None	None	RIGID	Typical
112	M112	N197	N195			RIGID	None	None	RIGID	Typical
113	M113	N196	N197		90	proposed top c...	Beam	Single Angle	A36 Gr.36	Typical
114	M114	N201	N194			RIGID	None	None	RIGID	Typical
115	M115	N202	N199			RIGID	None	None	RIGID	Typical
116	M116	N201	N202		90	proposed top c...	Beam	Single Angle	A36 Gr.36	Typical
117	M117	N206	N198			RIGID	None	None	RIGID	Typical
118	M118	N207	N191A			RIGID	None	None	RIGID	Typical
119	M119	N206	N207		90	proposed top c...	Beam	Single Angle	A36 Gr.36	Typical
120	M123	N206B	N208B			proposed kick...	Beam	Double Angle (...	A36 Gr.36	Typical
121	M124A	N209	N209A		270	proposed kick...	Beam	Double Angle (...	A36 Gr.36	Typical
122	M122	N209	N212B			proposed kick...	Beam	Double Angle (...	A36 Gr.36	Typical
123	M123A	N203	N213A		270	proposed kick...	Beam	Double Angle (...	A36 Gr.36	Typical
124	M124B	N203	N216A			proposed kick...	Beam	Double Angle (...	A36 Gr.36	Typical
125	M125A	N206B	N217A		270	proposed kick...	Beam	Double Angle (...	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1	BenPIN					Yes	** NA **			None
2	M2	BenPIN					Yes	** NA **			None
3	M3	BenPIN					Yes	** NA **			None
4	M4						Yes				None
5	M5						Yes				None
6	M7A	BenPIN					Yes	** NA **			None
7	M8	BenPIN					Yes	** NA **			None
8	M9	BenPIN					Yes	** NA **			None
9	M10						Yes				None
10	M11						Yes				None
11	M13	BenPIN					Yes	** NA **			None
12	M14	BenPIN					Yes	** NA **			None
13	M15	BenPIN					Yes	** NA **			None
14	M16						Yes				None
15	M17						Yes				None
16	M21						Yes				None
17	M24						Yes				None
18	M27						Yes				None
19	M28					Euler Buc...	Yes				None
20	M29						Yes				None
21	M30						Yes				None
22	M31						Yes				None
23	M32						Yes				None
24	M33						Yes				None
25	M34						Yes	** NA **			None
26	M35						Yes	** NA **			None
27	M36						Yes	** NA **			None
28	M37						Yes	** NA **			None
29	M38						Yes				None
30	M39						Yes				None
31	M40						Yes	** NA **			None
32	M41						Yes	** NA **			None
33	M42						Yes	** NA **			None
34	M43						Yes	** NA **			None
35	M44						Yes				None
36	M45						Yes				None
37	M46						Yes	** NA **			None
38	M47						Yes	** NA **			None
39	M48						Yes	** NA **			None
40	M49						Yes	** NA **			None
41	M50						Yes				None
42	M51						Yes				None
43	M124						Yes	** NA **			None
44	M125						Yes	** NA **			None
45	M128	BenPIN	BenPIN				Yes				None
46	M127						Yes	** NA **			None
47	M128A						Yes	** NA **			None
48	M129	BenPIN	BenPIN				Yes				None
49	M136						Yes	** NA **			None
50	M137						Yes	** NA **			None
51	M138	BenPIN	BenPIN				Yes				None
52	M139						Yes	** NA **			None
53	M140						Yes	** NA **			None
54	M141	BenPIN	BenPIN				Yes				None
55	M148						Yes	** NA **			None
56	M149						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
57	M150	BenPIN	BenPIN				Yes				None
58	M151						Yes	** NA **			None
59	M152						Yes	** NA **			None
60	M153	BenPIN	BenPIN				Yes				None
61	M106						Yes				None
62	M106A						Yes				None
63	M107A						Yes				None
64	M94A						Yes				None
65	M95						Yes				None
66	M96A						Yes				None
67	M97						Yes				None
68	M98A						Yes				None
69	M99						Yes				None
70	M100A						Yes	** NA **			None
71	MP1A						Yes				None
72	M100B		OOOXOO				Yes	** NA **			None
73	MP2A						Yes				None
74	M98B						Yes	** NA **			None
75	MP3A						Yes				None
76	M96B		OOOXOO				Yes	** NA **			None
77	MP4A						Yes				None
78	M80						Yes	** NA **			None
79	MP1C						Yes				None
80	M82		OOOXOO				Yes	** NA **			None
81	MP2C						Yes				None
82	M84						Yes	** NA **			None
83	MP3C						Yes				None
84	M86		OOOXOO				Yes	** NA **			None
85	MP4C						Yes				None
86	M88						Yes	** NA **			None
87	MP1B						Yes				None
88	M90		OOOXOO				Yes	** NA **			None
89	MP2B						Yes				None
90	M92						Yes	** NA **			None
91	MP3B						Yes				None
92	M94		OOOXOO				Yes	** NA **			None
93	MP4B						Yes				None
94	M94B						Yes	** NA **			None
95	M95A						Yes				None
96	M96						Yes	** NA **			None
97	M97A						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	M99A						Yes	** NA **			None
100	M100						Yes				None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes				None
106	M106B						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes				None
111	M111		OOOOOO				Yes	** NA **			None
112	M112		OOOOOO				Yes	** NA **			None
113	M113						Yes	Default			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
114	M114		OOOOOO				Yes	** NA **			None
115	M115		OOOOOO				Yes	** NA **			None
116	M116						Yes	Default			None
117	M117		OOOOOO				Yes	** NA **			None
118	M118		OOOOOO				Yes	** NA **			None
119	M119						Yes	Default			None
120	M123	BenPIN	BenPIN				Yes				None
121	M124A	BenPIN	BenPIN				Yes				None
122	M122	BenPIN	BenPIN				Yes				None
123	M123A	BenPIN	BenPIN				Yes				None
124	M124B	BenPIN	BenPIN				Yes				None
125	M125A	BenPIN	BenPIN				Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-21.85	1.5
2	MP3A	My	-.018	1.5
3	MP3A	Mz	-.015	1.5
4	MP3A	Y	-21.85	5
5	MP3A	My	-.018	5
6	MP3A	Mz	-.015	5
7	MP3B	Y	-21.85	1.5
8	MP3B	My	.022	1.5
9	MP3B	Mz	-.008	1.5
10	MP3B	Y	-21.85	5
11	MP3B	My	.022	5
12	MP3B	Mz	-.008	5
13	MP3C	Y	-21.85	1.5
14	MP3C	My	-.004	1.5
15	MP3C	Mz	.023	1.5
16	MP3C	Y	-21.85	5
17	MP3C	My	-.004	5
18	MP3C	Mz	.023	5
19	MP3A	Y	-32.3	1.5
20	MP3A	My	-.027	1.5
21	MP3A	Mz	.022	1.5
22	MP3A	Y	-32.3	5
23	MP3A	My	-.027	5
24	MP3A	Mz	.022	5
25	MP3B	Y	-32.3	1.5
26	MP3B	My	-.005	1.5
27	MP3B	Mz	-.034	1.5
28	MP3B	Y	-32.3	5
29	MP3B	My	-.005	5
30	MP3B	Mz	-.034	5
31	MP3C	Y	-32.3	1.5
32	MP3C	My	.032	1.5
33	MP3C	Mz	.013	1.5
34	MP3C	Y	-32.3	5
35	MP3C	My	.032	5
36	MP3C	Mz	.013	5
37	MP1A	Y	-43.55	2
38	MP1A	My	-.036	2
39	MP1A	Mz	0	2
40	MP1A	Y	-43.55	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP1A	My	-.036	4.5
42	MP1A	Mz	0	4.5
43	MP1B	Y	-43.55	2
44	MP1B	My	.018	2
45	MP1B	Mz	-.031	2
46	MP1B	Y	-43.55	4.5
47	MP1B	My	.018	4.5
48	MP1B	Mz	-.031	4.5
49	MP1C	Y	-43.55	2
50	MP1C	My	.018	2
51	MP1C	Mz	.031	2
52	MP1C	Y	-43.55	4.5
53	MP1C	My	.018	4.5
54	MP1C	Mz	.031	4.5
55	M95A	Y	-32	1
56	M95A	My	0	1
57	M95A	Mz	0	1
58	MP2A	Y	-18.7	1
59	MP2A	My	.009	1
60	MP2A	Mz	0	1
61	MP2B	Y	-18.7	1
62	MP2B	My	-.005	1
63	MP2B	Mz	.008	1
64	MP2C	Y	-18.7	1
65	MP2C	My	-.005	1
66	MP2C	Mz	-.008	1
67	MP3A	Y	-74.7	2.5
68	MP3A	My	.037	2.5
69	MP3A	Mz	0	2.5
70	MP3B	Y	-74.7	2.5
71	MP3B	My	-.019	2.5
72	MP3B	Mz	.032	2.5
73	MP3C	Y	-74.7	2.5
74	MP3C	My	-.019	2.5
75	MP3C	Mz	-.032	2.5
76	MP2A	Y	-70.3	2.5
77	MP2A	My	.035	2.5
78	MP2A	Mz	0	2.5
79	MP2B	Y	-70.3	2.5
80	MP2B	My	-.018	2.5
81	MP2B	Mz	.03	2.5
82	MP2C	Y	-70.3	2.5
83	MP2C	My	-.018	2.5
84	MP2C	Mz	-.03	2.5
85	MP4A	Y	-4.95	1
86	MP4A	My	-.004	1
87	MP4A	Mz	0	1
88	MP4A	Y	-4.95	4.5
89	MP4A	My	-.004	4.5
90	MP4A	Mz	0	4.5
91	MP4B	Y	-4.95	1
92	MP4B	My	.002	1
93	MP4B	Mz	-.004	1
94	MP4B	Y	-4.95	4.5
95	MP4B	My	.002	4.5
96	MP4B	Mz	-.004	4.5
97	MP4C	Y	-4.95	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP4C	My	.002	1
99	MP4C	Mz	.004	1
100	MP4C	Y	-4.95	4.5
101	MP4C	My	.002	4.5
102	MP4C	Mz	.004	4.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-92.215	1.5
2	MP3A	My	-.077	1.5
3	MP3A	Mz	-.061	1.5
4	MP3A	Y	-92.215	5
5	MP3A	My	-.077	5
6	MP3A	Mz	-.061	5
7	MP3B	Y	-92.215	1.5
8	MP3B	My	.092	1.5
9	MP3B	Mz	-.036	1.5
10	MP3B	Y	-92.215	5
11	MP3B	My	.092	5
12	MP3B	Mz	-.036	5
13	MP3C	Y	-92.215	1.5
14	MP3C	My	-.015	1.5
15	MP3C	Mz	.097	1.5
16	MP3C	Y	-92.215	5
17	MP3C	My	-.015	5
18	MP3C	Mz	.097	5
19	MP3A	Y	-92.215	1.5
20	MP3A	My	-.077	1.5
21	MP3A	Mz	.061	1.5
22	MP3A	Y	-92.215	5
23	MP3A	My	-.077	5
24	MP3A	Mz	.061	5
25	MP3B	Y	-92.215	1.5
26	MP3B	My	-.015	1.5
27	MP3B	Mz	-.097	1.5
28	MP3B	Y	-92.215	5
29	MP3B	My	-.015	5
30	MP3B	Mz	-.097	5
31	MP3C	Y	-92.215	1.5
32	MP3C	My	.092	1.5
33	MP3C	Mz	.036	1.5
34	MP3C	Y	-92.215	5
35	MP3C	My	.092	5
36	MP3C	Mz	.036	5
37	MP1A	Y	-54.411	2
38	MP1A	My	-.045	2
39	MP1A	Mz	0	2
40	MP1A	Y	-54.411	4.5
41	MP1A	My	-.045	4.5
42	MP1A	Mz	0	4.5
43	MP1B	Y	-54.411	2
44	MP1B	My	.023	2
45	MP1B	Mz	-.039	2
46	MP1B	Y	-54.411	4.5
47	MP1B	My	.023	4.5
48	MP1B	Mz	-.039	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP1C	Y	-54.411	2
50	MP1C	My	.023	2
51	MP1C	Mz	.039	2
52	MP1C	Y	-54.411	4.5
53	MP1C	My	.023	4.5
54	MP1C	Mz	.039	4.5
55	M95A	Y	-133.223	1
56	M95A	My	0	1
57	M95A	Mz	0	1
58	MP2A	Y	-31.523	1
59	MP2A	My	.016	1
60	MP2A	Mz	0	1
61	MP2B	Y	-31.523	1
62	MP2B	My	-.008	1
63	MP2B	Mz	.014	1
64	MP2C	Y	-31.523	1
65	MP2C	My	-.008	1
66	MP2C	Mz	-.014	1
67	MP3A	Y	-69.103	2.5
68	MP3A	My	.035	2.5
69	MP3A	Mz	0	2.5
70	MP3B	Y	-69.103	2.5
71	MP3B	My	-.017	2.5
72	MP3B	Mz	.03	2.5
73	MP3C	Y	-69.103	2.5
74	MP3C	My	-.017	2.5
75	MP3C	Mz	-.03	2.5
76	MP2A	Y	-65.912	2.5
77	MP2A	My	.033	2.5
78	MP2A	Mz	0	2.5
79	MP2B	Y	-65.912	2.5
80	MP2B	My	-.016	2.5
81	MP2B	Mz	.029	2.5
82	MP2C	Y	-65.912	2.5
83	MP2C	My	-.016	2.5
84	MP2C	Mz	-.029	2.5
85	MP4A	Y	-54.823	1
86	MP4A	My	-.046	1
87	MP4A	Mz	0	1
88	MP4A	Y	-54.823	4.5
89	MP4A	My	-.046	4.5
90	MP4A	Mz	0	4.5
91	MP4B	Y	-54.823	1
92	MP4B	My	.023	1
93	MP4B	Mz	-.04	1
94	MP4B	Y	-54.823	4.5
95	MP4B	My	.023	4.5
96	MP4B	Mz	-.04	4.5
97	MP4C	Y	-54.823	1
98	MP4C	My	.023	1
99	MP4C	Mz	.04	1
100	MP4C	Y	-54.823	4.5
101	MP4C	My	.023	4.5
102	MP4C	Mz	.04	4.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5
2	MP3A	Z	-119.111	1.5
3	MP3A	Mx	.079	1.5
4	MP3A	X	0	5
5	MP3A	Z	-119.111	5
6	MP3A	Mx	.079	5
7	MP3B	X	0	1.5
8	MP3B	Z	-88.836	1.5
9	MP3B	Mx	.035	1.5
10	MP3B	X	0	5
11	MP3B	Z	-88.836	5
12	MP3B	Mx	.035	5
13	MP3C	X	0	1.5
14	MP3C	Z	-88.836	1.5
15	MP3C	Mx	-.094	1.5
16	MP3C	X	0	5
17	MP3C	Z	-88.836	5
18	MP3C	Mx	-.094	5
19	MP3A	X	0	1.5
20	MP3A	Z	-118.669	1.5
21	MP3A	Mx	-.079	1.5
22	MP3A	X	0	5
23	MP3A	Z	-118.669	5
24	MP3A	Mx	-.079	5
25	MP3B	X	0	1.5
26	MP3B	Z	-88.725	1.5
27	MP3B	Mx	.094	1.5
28	MP3B	X	0	5
29	MP3B	Z	-88.725	5
30	MP3B	Mx	.094	5
31	MP3C	X	0	1.5
32	MP3C	Z	-88.725	1.5
33	MP3C	Mx	-.034	1.5
34	MP3C	X	0	5
35	MP3C	Z	-88.725	5
36	MP3C	Mx	-.034	5
37	MP1A	X	0	2
38	MP1A	Z	-69.285	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4.5
41	MP1A	Z	-69.285	4.5
42	MP1A	Mx	0	4.5
43	MP1B	X	0	2
44	MP1B	Z	-37.665	2
45	MP1B	Mx	.027	2
46	MP1B	X	0	4.5
47	MP1B	Z	-37.665	4.5
48	MP1B	Mx	.027	4.5
49	MP1C	X	0	2
50	MP1C	Z	-37.665	2
51	MP1C	Mx	-.027	2
52	MP1C	X	0	4.5
53	MP1C	Z	-37.665	4.5
54	MP1C	Mx	-.027	4.5
55	M95A	X	0	1
56	M95A	Z	-98.418	1
57	M95A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	0	1
59	MP2A	Z	-29.483	1
60	MP2A	Mx	0	1
61	MP2B	X	0	1
62	MP2B	Z	-18.451	1
63	MP2B	Mx	-.008	1
64	MP2C	X	0	1
65	MP2C	Z	-18.451	1
66	MP2C	Mx	.008	1
67	MP3A	X	0	2.5
68	MP3A	Z	-55.133	2.5
69	MP3A	Mx	0	2.5
70	MP3B	X	0	2.5
71	MP3B	Z	-41.424	2.5
72	MP3B	Mx	-.018	2.5
73	MP3C	X	0	2.5
74	MP3C	Z	-41.424	2.5
75	MP3C	Mx	.018	2.5
76	MP2A	X	0	2.5
77	MP2A	Z	-55.133	2.5
78	MP2A	Mx	0	2.5
79	MP2B	X	0	2.5
80	MP2B	Z	-38.936	2.5
81	MP2B	Mx	-.017	2.5
82	MP2C	X	0	2.5
83	MP2C	Z	-38.936	2.5
84	MP2C	Mx	.017	2.5
85	MP4A	X	0	1
86	MP4A	Z	-69.58	1
87	MP4A	Mx	0	1
88	MP4A	X	0	4.5
89	MP4A	Z	-69.58	4.5
90	MP4A	Mx	0	4.5
91	MP4B	X	0	1
92	MP4B	Z	-45.223	1
93	MP4B	Mx	.033	1
94	MP4B	X	0	4.5
95	MP4B	Z	-45.223	4.5
96	MP4B	Mx	.033	4.5
97	MP4C	X	0	1
98	MP4C	Z	-45.223	1
99	MP4C	Mx	-.033	1
100	MP4C	X	0	4.5
101	MP4C	Z	-45.223	4.5
102	MP4C	Mx	-.033	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	54.51	1.5
2	MP3A	Z	-94.413	1.5
3	MP3A	Mx	.018	1.5
4	MP3A	X	54.51	5
5	MP3A	Z	-94.413	5
6	MP3A	Mx	.018	5
7	MP3B	X	39.372	1.5
8	MP3B	Z	-68.194	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.066	1.5
10	MP3B	X	39.372	5
11	MP3B	Z	-68.194	5
12	MP3B	Mx	.066	5
13	MP3C	X	54.51	1.5
14	MP3C	Z	-94.413	1.5
15	MP3C	Mx	-.108	1.5
16	MP3C	X	54.51	5
17	MP3C	Z	-94.413	5
18	MP3C	Mx	-.108	5
19	MP3A	X	54.344	1.5
20	MP3A	Z	-94.126	1.5
21	MP3A	Mx	-.108	1.5
22	MP3A	X	54.344	5
23	MP3A	Z	-94.126	5
24	MP3A	Mx	-.108	5
25	MP3B	X	39.372	1.5
26	MP3B	Z	-68.194	1.5
27	MP3B	Mx	.066	1.5
28	MP3B	X	39.372	5
29	MP3B	Z	-68.194	5
30	MP3B	Mx	.066	5
31	MP3C	X	54.344	1.5
32	MP3C	Z	-94.126	1.5
33	MP3C	Mx	.017	1.5
34	MP3C	X	54.344	5
35	MP3C	Z	-94.126	5
36	MP3C	Mx	.017	5
37	MP1A	X	29.372	2
38	MP1A	Z	-50.875	2
39	MP1A	Mx	-.024	2
40	MP1A	X	29.372	4.5
41	MP1A	Z	-50.875	4.5
42	MP1A	Mx	-.024	4.5
43	MP1B	X	13.562	2
44	MP1B	Z	-23.491	2
45	MP1B	Mx	.023	2
46	MP1B	X	13.562	4.5
47	MP1B	Z	-23.491	4.5
48	MP1B	Mx	.023	4.5
49	MP1C	X	29.372	2
50	MP1C	Z	-50.875	2
51	MP1C	Mx	-.024	2
52	MP1C	X	29.372	4.5
53	MP1C	Z	-50.875	4.5
54	MP1C	Mx	-.024	4.5
55	M95A	X	45.662	1
56	M95A	Z	-79.088	1
57	M95A	Mx	0	1
58	MP2A	X	12.903	1
59	MP2A	Z	-22.348	1
60	MP2A	Mx	.006	1
61	MP2B	X	7.387	1
62	MP2B	Z	-12.794	1
63	MP2B	Mx	-.007	1
64	MP2C	X	12.903	1
65	MP2C	Z	-22.348	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2C	Mx	.006	1
67	MP3A	X	25.282	2.5
68	MP3A	Z	-43.789	2.5
69	MP3A	Mx	.013	2.5
70	MP3B	X	18.427	2.5
71	MP3B	Z	-31.916	2.5
72	MP3B	Mx	-.018	2.5
73	MP3C	X	25.282	2.5
74	MP3C	Z	-43.789	2.5
75	MP3C	Mx	.013	2.5
76	MP2A	X	24.867	2.5
77	MP2A	Z	-43.071	2.5
78	MP2A	Mx	.012	2.5
79	MP2B	X	16.768	2.5
80	MP2B	Z	-29.044	2.5
81	MP2B	Mx	-.017	2.5
82	MP2C	X	24.867	2.5
83	MP2C	Z	-43.071	2.5
84	MP2C	Mx	.012	2.5
85	MP4A	X	30.73	1
86	MP4A	Z	-53.227	1
87	MP4A	Mx	-.026	1
88	MP4A	X	30.73	4.5
89	MP4A	Z	-53.227	4.5
90	MP4A	Mx	-.026	4.5
91	MP4B	X	18.552	1
92	MP4B	Z	-32.134	1
93	MP4B	Mx	.031	1
94	MP4B	X	18.552	4.5
95	MP4B	Z	-32.134	4.5
96	MP4B	Mx	.031	4.5
97	MP4C	X	30.73	1
98	MP4C	Z	-53.227	1
99	MP4C	Mx	-.026	1
100	MP4C	X	30.73	4.5
101	MP4C	Z	-53.227	4.5
102	MP4C	Mx	-.026	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	76.934	1.5
2	MP3A	Z	-44.418	1.5
3	MP3A	Mx	-.035	1.5
4	MP3A	X	76.934	5
5	MP3A	Z	-44.418	5
6	MP3A	Mx	-.035	5
7	MP3B	X	76.934	1.5
8	MP3B	Z	-44.418	1.5
9	MP3B	Mx	.094	1.5
10	MP3B	X	76.934	5
11	MP3B	Z	-44.418	5
12	MP3B	Mx	.094	5
13	MP3C	X	103.153	1.5
14	MP3C	Z	-59.556	1.5
15	MP3C	Mx	-.079	1.5
16	MP3C	X	103.153	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	-59.556	5
18	MP3C	Mx	-.079	5
19	MP3A	X	76.838	1.5
20	MP3A	Z	-44.363	1.5
21	MP3A	Mx	-.094	1.5
22	MP3A	X	76.838	5
23	MP3A	Z	-44.363	5
24	MP3A	Mx	-.094	5
25	MP3B	X	76.838	1.5
26	MP3B	Z	-44.363	1.5
27	MP3B	Mx	.034	1.5
28	MP3B	X	76.838	5
29	MP3B	Z	-44.363	5
30	MP3B	Mx	.034	5
31	MP3C	X	102.77	1.5
32	MP3C	Z	-59.334	1.5
33	MP3C	Mx	.079	1.5
34	MP3C	X	102.77	5
35	MP3C	Z	-59.334	5
36	MP3C	Mx	.079	5
37	MP1A	X	32.619	2
38	MP1A	Z	-18.832	2
39	MP1A	Mx	-.027	2
40	MP1A	X	32.619	4.5
41	MP1A	Z	-18.832	4.5
42	MP1A	Mx	-.027	4.5
43	MP1B	X	32.619	2
44	MP1B	Z	-18.832	2
45	MP1B	Mx	.027	2
46	MP1B	X	32.619	4.5
47	MP1B	Z	-18.832	4.5
48	MP1B	Mx	.027	4.5
49	MP1C	X	60.002	2
50	MP1C	Z	-34.642	2
51	MP1C	Mx	0	2
52	MP1C	X	60.002	4.5
53	MP1C	Z	-34.642	4.5
54	MP1C	Mx	0	4.5
55	M95A	X	85.232	1
56	M95A	Z	-49.209	1
57	M95A	Mx	0	1
58	MP2A	X	15.979	1
59	MP2A	Z	-9.225	1
60	MP2A	Mx	.008	1
61	MP2B	X	15.979	1
62	MP2B	Z	-9.225	1
63	MP2B	Mx	-.008	1
64	MP2C	X	25.533	1
65	MP2C	Z	-14.741	1
66	MP2C	Mx	0	1
67	MP3A	X	35.874	2.5
68	MP3A	Z	-20.712	2.5
69	MP3A	Mx	.018	2.5
70	MP3B	X	35.874	2.5
71	MP3B	Z	-20.712	2.5
72	MP3B	Mx	-.018	2.5
73	MP3C	X	47.747	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3C	Z	-27.567	2.5
75	MP3C	Mx	0	2.5
76	MP2A	X	33.719	2.5
77	MP2A	Z	-19.468	2.5
78	MP2A	Mx	.017	2.5
79	MP2B	X	33.719	2.5
80	MP2B	Z	-19.468	2.5
81	MP2B	Mx	-.017	2.5
82	MP2C	X	47.747	2.5
83	MP2C	Z	-27.567	2.5
84	MP2C	Mx	0	2.5
85	MP4A	X	39.165	1
86	MP4A	Z	-22.612	1
87	MP4A	Mx	-.033	1
88	MP4A	X	39.165	4.5
89	MP4A	Z	-22.612	4.5
90	MP4A	Mx	-.033	4.5
91	MP4B	X	39.165	1
92	MP4B	Z	-22.612	1
93	MP4B	Mx	.033	1
94	MP4B	X	39.165	4.5
95	MP4B	Z	-22.612	4.5
96	MP4B	Mx	.033	4.5
97	MP4C	X	60.258	1
98	MP4C	Z	-34.79	1
99	MP4C	Mx	0	1
100	MP4C	X	60.258	4.5
101	MP4C	Z	-34.79	4.5
102	MP4C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	78.744	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	-.066	1.5
4	MP3A	X	78.744	5
5	MP3A	Z	0	5
6	MP3A	Mx	-.066	5
7	MP3B	X	109.019	1.5
8	MP3B	Z	0	1.5
9	MP3B	Mx	.108	1.5
10	MP3B	X	109.019	5
11	MP3B	Z	0	5
12	MP3B	Mx	.108	5
13	MP3C	X	109.019	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	-.018	1.5
16	MP3C	X	109.019	5
17	MP3C	Z	0	5
18	MP3C	Mx	-.018	5
19	MP3A	X	78.744	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	-.066	1.5
22	MP3A	X	78.744	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.066	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	108.688	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	-.017	1.5
28	MP3B	X	108.688	5
29	MP3B	Z	0	5
30	MP3B	Mx	-.017	5
31	MP3C	X	108.688	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	.108	1.5
34	MP3C	X	108.688	5
35	MP3C	Z	0	5
36	MP3C	Mx	.108	5
37	MP1A	X	27.125	2
38	MP1A	Z	0	2
39	MP1A	Mx	-.023	2
40	MP1A	X	27.125	4.5
41	MP1A	Z	0	4.5
42	MP1A	Mx	-.023	4.5
43	MP1B	X	58.745	2
44	MP1B	Z	0	2
45	MP1B	Mx	.024	2
46	MP1B	X	58.745	4.5
47	MP1B	Z	0	4.5
48	MP1B	Mx	.024	4.5
49	MP1C	X	58.745	2
50	MP1C	Z	0	2
51	MP1C	Mx	.024	2
52	MP1C	X	58.745	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	.024	4.5
55	M95A	X	112.606	1
56	M95A	Z	0	1
57	M95A	Mx	0	1
58	MP2A	X	14.773	1
59	MP2A	Z	0	1
60	MP2A	Mx	.007	1
61	MP2B	X	25.806	1
62	MP2B	Z	0	1
63	MP2B	Mx	-.006	1
64	MP2C	X	25.806	1
65	MP2C	Z	0	1
66	MP2C	Mx	-.006	1
67	MP3A	X	36.854	2.5
68	MP3A	Z	0	2.5
69	MP3A	Mx	.018	2.5
70	MP3B	X	50.563	2.5
71	MP3B	Z	0	2.5
72	MP3B	Mx	-.013	2.5
73	MP3C	X	50.563	2.5
74	MP3C	Z	0	2.5
75	MP3C	Mx	-.013	2.5
76	MP2A	X	33.537	2.5
77	MP2A	Z	0	2.5
78	MP2A	Mx	.017	2.5
79	MP2B	X	49.734	2.5
80	MP2B	Z	0	2.5
81	MP2B	Mx	-.012	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP2C	X	49.734	2.5
83	MP2C	Z	0	2.5
84	MP2C	Mx	-.012	2.5
85	MP4A	X	37.105	1
86	MP4A	Z	0	1
87	MP4A	Mx	-.031	1
88	MP4A	X	37.105	4.5
89	MP4A	Z	0	4.5
90	MP4A	Mx	-.031	4.5
91	MP4B	X	61.461	1
92	MP4B	Z	0	1
93	MP4B	Mx	.026	1
94	MP4B	X	61.461	4.5
95	MP4B	Z	0	4.5
96	MP4B	Mx	.026	4.5
97	MP4C	X	61.461	1
98	MP4C	Z	0	1
99	MP4C	Mx	.026	1
100	MP4C	X	61.461	4.5
101	MP4C	Z	0	4.5
102	MP4C	Mx	.026	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	76.934	1.5
2	MP3A	Z	44.418	1.5
3	MP3A	Mx	-.094	1.5
4	MP3A	X	76.934	5
5	MP3A	Z	44.418	5
6	MP3A	Mx	-.094	5
7	MP3B	X	103.153	1.5
8	MP3B	Z	59.556	1.5
9	MP3B	Mx	.079	1.5
10	MP3B	X	103.153	5
11	MP3B	Z	59.556	5
12	MP3B	Mx	.079	5
13	MP3C	X	76.934	1.5
14	MP3C	Z	44.418	1.5
15	MP3C	Mx	.035	1.5
16	MP3C	X	76.934	5
17	MP3C	Z	44.418	5
18	MP3C	Mx	.035	5
19	MP3A	X	76.838	1.5
20	MP3A	Z	44.363	1.5
21	MP3A	Mx	-.034	1.5
22	MP3A	X	76.838	5
23	MP3A	Z	44.363	5
24	MP3A	Mx	-.034	5
25	MP3B	X	102.77	1.5
26	MP3B	Z	59.334	1.5
27	MP3B	Mx	-.079	1.5
28	MP3B	X	102.77	5
29	MP3B	Z	59.334	5
30	MP3B	Mx	-.079	5
31	MP3C	X	76.838	1.5
32	MP3C	Z	44.363	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	.094	1.5
34	MP3C	X	76.838	5
35	MP3C	Z	44.363	5
36	MP3C	Mx	.094	5
37	MP1A	X	32.619	2
38	MP1A	Z	18.832	2
39	MP1A	Mx	-.027	2
40	MP1A	X	32.619	4.5
41	MP1A	Z	18.832	4.5
42	MP1A	Mx	-.027	4.5
43	MP1B	X	60.002	2
44	MP1B	Z	34.642	2
45	MP1B	Mx	0	2
46	MP1B	X	60.002	4.5
47	MP1B	Z	34.642	4.5
48	MP1B	Mx	0	4.5
49	MP1C	X	32.619	2
50	MP1C	Z	18.832	2
51	MP1C	Mx	.027	2
52	MP1C	X	32.619	4.5
53	MP1C	Z	18.832	4.5
54	MP1C	Mx	.027	4.5
55	M95A	X	103.664	1
56	M95A	Z	59.85	1
57	M95A	Mx	0	1
58	MP2A	X	15.979	1
59	MP2A	Z	9.225	1
60	MP2A	Mx	.008	1
61	MP2B	X	25.533	1
62	MP2B	Z	14.741	1
63	MP2B	Mx	0	1
64	MP2C	X	15.979	1
65	MP2C	Z	9.225	1
66	MP2C	Mx	-.008	1
67	MP3A	X	35.874	2.5
68	MP3A	Z	20.712	2.5
69	MP3A	Mx	.018	2.5
70	MP3B	X	47.747	2.5
71	MP3B	Z	27.567	2.5
72	MP3B	Mx	0	2.5
73	MP3C	X	35.874	2.5
74	MP3C	Z	20.712	2.5
75	MP3C	Mx	-.018	2.5
76	MP2A	X	33.719	2.5
77	MP2A	Z	19.468	2.5
78	MP2A	Mx	.017	2.5
79	MP2B	X	47.747	2.5
80	MP2B	Z	27.567	2.5
81	MP2B	Mx	0	2.5
82	MP2C	X	33.719	2.5
83	MP2C	Z	19.468	2.5
84	MP2C	Mx	-.017	2.5
85	MP4A	X	39.165	1
86	MP4A	Z	22.612	1
87	MP4A	Mx	-.033	1
88	MP4A	X	39.165	4.5
89	MP4A	Z	22.612	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP4A	Mx	-.033	4.5
91	MP4B	X	60.258	1
92	MP4B	Z	34.79	1
93	MP4B	Mx	0	1
94	MP4B	X	60.258	4.5
95	MP4B	Z	34.79	4.5
96	MP4B	Mx	0	4.5
97	MP4C	X	39.165	1
98	MP4C	Z	22.612	1
99	MP4C	Mx	.033	1
100	MP4C	X	39.165	4.5
101	MP4C	Z	22.612	4.5
102	MP4C	Mx	.033	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	54.51	1.5
2	MP3A	Z	94.413	1.5
3	MP3A	Mx	-.108	1.5
4	MP3A	X	54.51	5
5	MP3A	Z	94.413	5
6	MP3A	Mx	-.108	5
7	MP3B	X	54.51	1.5
8	MP3B	Z	94.413	1.5
9	MP3B	Mx	.018	1.5
10	MP3B	X	54.51	5
11	MP3B	Z	94.413	5
12	MP3B	Mx	.018	5
13	MP3C	X	39.372	1.5
14	MP3C	Z	68.194	1.5
15	MP3C	Mx	.066	1.5
16	MP3C	X	39.372	5
17	MP3C	Z	68.194	5
18	MP3C	Mx	.066	5
19	MP3A	X	54.344	1.5
20	MP3A	Z	94.126	1.5
21	MP3A	Mx	.017	1.5
22	MP3A	X	54.344	5
23	MP3A	Z	94.126	5
24	MP3A	Mx	.017	5
25	MP3B	X	54.344	1.5
26	MP3B	Z	94.126	1.5
27	MP3B	Mx	-.108	1.5
28	MP3B	X	54.344	5
29	MP3B	Z	94.126	5
30	MP3B	Mx	-.108	5
31	MP3C	X	39.372	1.5
32	MP3C	Z	68.194	1.5
33	MP3C	Mx	.066	1.5
34	MP3C	X	39.372	5
35	MP3C	Z	68.194	5
36	MP3C	Mx	.066	5
37	MP1A	X	29.372	2
38	MP1A	Z	50.875	2
39	MP1A	Mx	-.024	2
40	MP1A	X	29.372	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP1A	Z	50.875	4.5
42	MP1A	Mx	-.024	4.5
43	MP1B	X	29.372	2
44	MP1B	Z	50.875	2
45	MP1B	Mx	-.024	2
46	MP1B	X	29.372	4.5
47	MP1B	Z	50.875	4.5
48	MP1B	Mx	-.024	4.5
49	MP1C	X	13.562	2
50	MP1C	Z	23.491	2
51	MP1C	Mx	.023	2
52	MP1C	X	13.562	4.5
53	MP1C	Z	23.491	4.5
54	MP1C	Mx	.023	4.5
55	M95A	X	56.303	1
56	M95A	Z	97.52	1
57	M95A	Mx	0	1
58	MP2A	X	12.903	1
59	MP2A	Z	22.348	1
60	MP2A	Mx	.006	1
61	MP2B	X	12.903	1
62	MP2B	Z	22.348	1
63	MP2B	Mx	.006	1
64	MP2C	X	7.387	1
65	MP2C	Z	12.794	1
66	MP2C	Mx	-.007	1
67	MP3A	X	25.282	2.5
68	MP3A	Z	43.789	2.5
69	MP3A	Mx	.013	2.5
70	MP3B	X	25.282	2.5
71	MP3B	Z	43.789	2.5
72	MP3B	Mx	.013	2.5
73	MP3C	X	18.427	2.5
74	MP3C	Z	31.916	2.5
75	MP3C	Mx	-.018	2.5
76	MP2A	X	24.867	2.5
77	MP2A	Z	43.071	2.5
78	MP2A	Mx	.012	2.5
79	MP2B	X	24.867	2.5
80	MP2B	Z	43.071	2.5
81	MP2B	Mx	.012	2.5
82	MP2C	X	16.768	2.5
83	MP2C	Z	29.044	2.5
84	MP2C	Mx	-.017	2.5
85	MP4A	X	30.73	1
86	MP4A	Z	53.227	1
87	MP4A	Mx	-.026	1
88	MP4A	X	30.73	4.5
89	MP4A	Z	53.227	4.5
90	MP4A	Mx	-.026	4.5
91	MP4B	X	30.73	1
92	MP4B	Z	53.227	1
93	MP4B	Mx	-.026	1
94	MP4B	X	30.73	4.5
95	MP4B	Z	53.227	4.5
96	MP4B	Mx	-.026	4.5
97	MP4C	X	18.552	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP4C	Z	32.134	1
99	MP4C	Mx	.031	1
100	MP4C	X	18.552	4.5
101	MP4C	Z	32.134	4.5
102	MP4C	Mx	.031	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5
2	MP3A	Z	119.111	1.5
3	MP3A	Mx	-.079	1.5
4	MP3A	X	0	5
5	MP3A	Z	119.111	5
6	MP3A	Mx	-.079	5
7	MP3B	X	0	1.5
8	MP3B	Z	88.836	1.5
9	MP3B	Mx	-.035	1.5
10	MP3B	X	0	5
11	MP3B	Z	88.836	5
12	MP3B	Mx	-.035	5
13	MP3C	X	0	1.5
14	MP3C	Z	88.836	1.5
15	MP3C	Mx	.094	1.5
16	MP3C	X	0	5
17	MP3C	Z	88.836	5
18	MP3C	Mx	.094	5
19	MP3A	X	0	1.5
20	MP3A	Z	118.669	1.5
21	MP3A	Mx	.079	1.5
22	MP3A	X	0	5
23	MP3A	Z	118.669	5
24	MP3A	Mx	.079	5
25	MP3B	X	0	1.5
26	MP3B	Z	88.725	1.5
27	MP3B	Mx	-.094	1.5
28	MP3B	X	0	5
29	MP3B	Z	88.725	5
30	MP3B	Mx	-.094	5
31	MP3C	X	0	1.5
32	MP3C	Z	88.725	1.5
33	MP3C	Mx	.034	1.5
34	MP3C	X	0	5
35	MP3C	Z	88.725	5
36	MP3C	Mx	.034	5
37	MP1A	X	0	2
38	MP1A	Z	69.285	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4.5
41	MP1A	Z	69.285	4.5
42	MP1A	Mx	0	4.5
43	MP1B	X	0	2
44	MP1B	Z	37.665	2
45	MP1B	Mx	-.027	2
46	MP1B	X	0	4.5
47	MP1B	Z	37.665	4.5
48	MP1B	Mx	-.027	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP1C	X	0	2
50	MP1C	Z	37.665	2
51	MP1C	Mx	.027	2
52	MP1C	X	0	4.5
53	MP1C	Z	37.665	4.5
54	MP1C	Mx	.027	4.5
55	M95A	X	0	1
56	M95A	Z	98.418	1
57	M95A	Mx	0	1
58	MP2A	X	0	1
59	MP2A	Z	29.483	1
60	MP2A	Mx	0	1
61	MP2B	X	0	1
62	MP2B	Z	18.451	1
63	MP2B	Mx	.008	1
64	MP2C	X	0	1
65	MP2C	Z	18.451	1
66	MP2C	Mx	-.008	1
67	MP3A	X	0	2.5
68	MP3A	Z	55.133	2.5
69	MP3A	Mx	0	2.5
70	MP3B	X	0	2.5
71	MP3B	Z	41.424	2.5
72	MP3B	Mx	.018	2.5
73	MP3C	X	0	2.5
74	MP3C	Z	41.424	2.5
75	MP3C	Mx	-.018	2.5
76	MP2A	X	0	2.5
77	MP2A	Z	55.133	2.5
78	MP2A	Mx	0	2.5
79	MP2B	X	0	2.5
80	MP2B	Z	38.936	2.5
81	MP2B	Mx	.017	2.5
82	MP2C	X	0	2.5
83	MP2C	Z	38.936	2.5
84	MP2C	Mx	-.017	2.5
85	MP4A	X	0	1
86	MP4A	Z	69.58	1
87	MP4A	Mx	0	1
88	MP4A	X	0	4.5
89	MP4A	Z	69.58	4.5
90	MP4A	Mx	0	4.5
91	MP4B	X	0	1
92	MP4B	Z	45.223	1
93	MP4B	Mx	-.033	1
94	MP4B	X	0	4.5
95	MP4B	Z	45.223	4.5
96	MP4B	Mx	-.033	4.5
97	MP4C	X	0	1
98	MP4C	Z	45.223	1
99	MP4C	Mx	.033	1
100	MP4C	X	0	4.5
101	MP4C	Z	45.223	4.5
102	MP4C	Mx	.033	4.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-54.51	1.5
2	MP3A	Z	94.413	1.5
3	MP3A	Mx	-.018	1.5
4	MP3A	X	-54.51	5
5	MP3A	Z	94.413	5
6	MP3A	Mx	-.018	5
7	MP3B	X	-39.372	1.5
8	MP3B	Z	68.194	1.5
9	MP3B	Mx	-.066	1.5
10	MP3B	X	-39.372	5
11	MP3B	Z	68.194	5
12	MP3B	Mx	-.066	5
13	MP3C	X	-54.51	1.5
14	MP3C	Z	94.413	1.5
15	MP3C	Mx	.108	1.5
16	MP3C	X	-54.51	5
17	MP3C	Z	94.413	5
18	MP3C	Mx	.108	5
19	MP3A	X	-54.344	1.5
20	MP3A	Z	94.126	1.5
21	MP3A	Mx	.108	1.5
22	MP3A	X	-54.344	5
23	MP3A	Z	94.126	5
24	MP3A	Mx	.108	5
25	MP3B	X	-39.372	1.5
26	MP3B	Z	68.194	1.5
27	MP3B	Mx	-.066	1.5
28	MP3B	X	-39.372	5
29	MP3B	Z	68.194	5
30	MP3B	Mx	-.066	5
31	MP3C	X	-54.344	1.5
32	MP3C	Z	94.126	1.5
33	MP3C	Mx	-.017	1.5
34	MP3C	X	-54.344	5
35	MP3C	Z	94.126	5
36	MP3C	Mx	-.017	5
37	MP1A	X	-29.372	2
38	MP1A	Z	50.875	2
39	MP1A	Mx	.024	2
40	MP1A	X	-29.372	4.5
41	MP1A	Z	50.875	4.5
42	MP1A	Mx	.024	4.5
43	MP1B	X	-13.562	2
44	MP1B	Z	23.491	2
45	MP1B	Mx	-.023	2
46	MP1B	X	-13.562	4.5
47	MP1B	Z	23.491	4.5
48	MP1B	Mx	-.023	4.5
49	MP1C	X	-29.372	2
50	MP1C	Z	50.875	2
51	MP1C	Mx	.024	2
52	MP1C	X	-29.372	4.5
53	MP1C	Z	50.875	4.5
54	MP1C	Mx	.024	4.5
55	M95A	X	-45.662	1
56	M95A	Z	79.088	1
57	M95A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-12.903	1
59	MP2A	Z	22.348	1
60	MP2A	Mx	-.006	1
61	MP2B	X	-7.387	1
62	MP2B	Z	12.794	1
63	MP2B	Mx	.007	1
64	MP2C	X	-12.903	1
65	MP2C	Z	22.348	1
66	MP2C	Mx	-.006	1
67	MP3A	X	-25.282	2.5
68	MP3A	Z	43.789	2.5
69	MP3A	Mx	-.013	2.5
70	MP3B	X	-18.427	2.5
71	MP3B	Z	31.916	2.5
72	MP3B	Mx	.018	2.5
73	MP3C	X	-25.282	2.5
74	MP3C	Z	43.789	2.5
75	MP3C	Mx	-.013	2.5
76	MP2A	X	-24.867	2.5
77	MP2A	Z	43.071	2.5
78	MP2A	Mx	-.012	2.5
79	MP2B	X	-16.768	2.5
80	MP2B	Z	29.044	2.5
81	MP2B	Mx	.017	2.5
82	MP2C	X	-24.867	2.5
83	MP2C	Z	43.071	2.5
84	MP2C	Mx	-.012	2.5
85	MP4A	X	-30.73	1
86	MP4A	Z	53.227	1
87	MP4A	Mx	.026	1
88	MP4A	X	-30.73	4.5
89	MP4A	Z	53.227	4.5
90	MP4A	Mx	.026	4.5
91	MP4B	X	-18.552	1
92	MP4B	Z	32.134	1
93	MP4B	Mx	-.031	1
94	MP4B	X	-18.552	4.5
95	MP4B	Z	32.134	4.5
96	MP4B	Mx	-.031	4.5
97	MP4C	X	-30.73	1
98	MP4C	Z	53.227	1
99	MP4C	Mx	.026	1
100	MP4C	X	-30.73	4.5
101	MP4C	Z	53.227	4.5
102	MP4C	Mx	.026	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-76.934	1.5
2	MP3A	Z	44.418	1.5
3	MP3A	Mx	.035	1.5
4	MP3A	X	-76.934	5
5	MP3A	Z	44.418	5
6	MP3A	Mx	.035	5
7	MP3B	X	-76.934	1.5
8	MP3B	Z	44.418	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	-.094	1.5
10	MP3B	X	-76.934	5
11	MP3B	Z	44.418	5
12	MP3B	Mx	-.094	5
13	MP3C	X	-103.153	1.5
14	MP3C	Z	59.556	1.5
15	MP3C	Mx	.079	1.5
16	MP3C	X	-103.153	5
17	MP3C	Z	59.556	5
18	MP3C	Mx	.079	5
19	MP3A	X	-76.838	1.5
20	MP3A	Z	44.363	1.5
21	MP3A	Mx	.094	1.5
22	MP3A	X	-76.838	5
23	MP3A	Z	44.363	5
24	MP3A	Mx	.094	5
25	MP3B	X	-76.838	1.5
26	MP3B	Z	44.363	1.5
27	MP3B	Mx	-.034	1.5
28	MP3B	X	-76.838	5
29	MP3B	Z	44.363	5
30	MP3B	Mx	-.034	5
31	MP3C	X	-102.77	1.5
32	MP3C	Z	59.334	1.5
33	MP3C	Mx	-.079	1.5
34	MP3C	X	-102.77	5
35	MP3C	Z	59.334	5
36	MP3C	Mx	-.079	5
37	MP1A	X	-32.619	2
38	MP1A	Z	18.832	2
39	MP1A	Mx	.027	2
40	MP1A	X	-32.619	4.5
41	MP1A	Z	18.832	4.5
42	MP1A	Mx	.027	4.5
43	MP1B	X	-32.619	2
44	MP1B	Z	18.832	2
45	MP1B	Mx	-.027	2
46	MP1B	X	-32.619	4.5
47	MP1B	Z	18.832	4.5
48	MP1B	Mx	-.027	4.5
49	MP1C	X	-60.002	2
50	MP1C	Z	34.642	2
51	MP1C	Mx	0	2
52	MP1C	X	-60.002	4.5
53	MP1C	Z	34.642	4.5
54	MP1C	Mx	0	4.5
55	M95A	X	-85.232	1
56	M95A	Z	49.209	1
57	M95A	Mx	0	1
58	MP2A	X	-15.979	1
59	MP2A	Z	9.225	1
60	MP2A	Mx	-.008	1
61	MP2B	X	-15.979	1
62	MP2B	Z	9.225	1
63	MP2B	Mx	.008	1
64	MP2C	X	-25.533	1
65	MP2C	Z	14.741	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2C	Mx	0	1
67	MP3A	X	-35.874	2.5
68	MP3A	Z	20.712	2.5
69	MP3A	Mx	-.018	2.5
70	MP3B	X	-35.874	2.5
71	MP3B	Z	20.712	2.5
72	MP3B	Mx	.018	2.5
73	MP3C	X	-47.747	2.5
74	MP3C	Z	27.567	2.5
75	MP3C	Mx	0	2.5
76	MP2A	X	-33.719	2.5
77	MP2A	Z	19.468	2.5
78	MP2A	Mx	-.017	2.5
79	MP2B	X	-33.719	2.5
80	MP2B	Z	19.468	2.5
81	MP2B	Mx	.017	2.5
82	MP2C	X	-47.747	2.5
83	MP2C	Z	27.567	2.5
84	MP2C	Mx	0	2.5
85	MP4A	X	-39.165	1
86	MP4A	Z	22.612	1
87	MP4A	Mx	.033	1
88	MP4A	X	-39.165	4.5
89	MP4A	Z	22.612	4.5
90	MP4A	Mx	.033	4.5
91	MP4B	X	-39.165	1
92	MP4B	Z	22.612	1
93	MP4B	Mx	-.033	1
94	MP4B	X	-39.165	4.5
95	MP4B	Z	22.612	4.5
96	MP4B	Mx	-.033	4.5
97	MP4C	X	-60.258	1
98	MP4C	Z	34.79	1
99	MP4C	Mx	0	1
100	MP4C	X	-60.258	4.5
101	MP4C	Z	34.79	4.5
102	MP4C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-78.744	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	.066	1.5
4	MP3A	X	-78.744	5
5	MP3A	Z	0	5
6	MP3A	Mx	.066	5
7	MP3B	X	-109.019	1.5
8	MP3B	Z	0	1.5
9	MP3B	Mx	-.108	1.5
10	MP3B	X	-109.019	5
11	MP3B	Z	0	5
12	MP3B	Mx	-.108	5
13	MP3C	X	-109.019	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	.018	1.5
16	MP3C	X	-109.019	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	0	5
18	MP3C	Mx	.018	5
19	MP3A	X	-78.744	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	.066	1.5
22	MP3A	X	-78.744	5
23	MP3A	Z	0	5
24	MP3A	Mx	.066	5
25	MP3B	X	-108.688	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	.017	1.5
28	MP3B	X	-108.688	5
29	MP3B	Z	0	5
30	MP3B	Mx	.017	5
31	MP3C	X	-108.688	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	-.108	1.5
34	MP3C	X	-108.688	5
35	MP3C	Z	0	5
36	MP3C	Mx	-.108	5
37	MP1A	X	-27.125	2
38	MP1A	Z	0	2
39	MP1A	Mx	.023	2
40	MP1A	X	-27.125	4.5
41	MP1A	Z	0	4.5
42	MP1A	Mx	.023	4.5
43	MP1B	X	-58.745	2
44	MP1B	Z	0	2
45	MP1B	Mx	-.024	2
46	MP1B	X	-58.745	4.5
47	MP1B	Z	0	4.5
48	MP1B	Mx	-.024	4.5
49	MP1C	X	-58.745	2
50	MP1C	Z	0	2
51	MP1C	Mx	-.024	2
52	MP1C	X	-58.745	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	-.024	4.5
55	M95A	X	-112.606	1
56	M95A	Z	0	1
57	M95A	Mx	0	1
58	MP2A	X	-14.773	1
59	MP2A	Z	0	1
60	MP2A	Mx	-.007	1
61	MP2B	X	-25.806	1
62	MP2B	Z	0	1
63	MP2B	Mx	.006	1
64	MP2C	X	-25.806	1
65	MP2C	Z	0	1
66	MP2C	Mx	.006	1
67	MP3A	X	-36.854	2.5
68	MP3A	Z	0	2.5
69	MP3A	Mx	-.018	2.5
70	MP3B	X	-50.563	2.5
71	MP3B	Z	0	2.5
72	MP3B	Mx	.013	2.5
73	MP3C	X	-50.563	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3C	Z	0	2.5
75	MP3C	Mx	.013	2.5
76	MP2A	X	-33.537	2.5
77	MP2A	Z	0	2.5
78	MP2A	Mx	-.017	2.5
79	MP2B	X	-49.734	2.5
80	MP2B	Z	0	2.5
81	MP2B	Mx	.012	2.5
82	MP2C	X	-49.734	2.5
83	MP2C	Z	0	2.5
84	MP2C	Mx	.012	2.5
85	MP4A	X	-37.105	1
86	MP4A	Z	0	1
87	MP4A	Mx	.031	1
88	MP4A	X	-37.105	4.5
89	MP4A	Z	0	4.5
90	MP4A	Mx	.031	4.5
91	MP4B	X	-61.461	1
92	MP4B	Z	0	1
93	MP4B	Mx	-.026	1
94	MP4B	X	-61.461	4.5
95	MP4B	Z	0	4.5
96	MP4B	Mx	-.026	4.5
97	MP4C	X	-61.461	1
98	MP4C	Z	0	1
99	MP4C	Mx	-.026	1
100	MP4C	X	-61.461	4.5
101	MP4C	Z	0	4.5
102	MP4C	Mx	-.026	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-76.934	1.5
2	MP3A	Z	-44.418	1.5
3	MP3A	Mx	.094	1.5
4	MP3A	X	-76.934	5
5	MP3A	Z	-44.418	5
6	MP3A	Mx	.094	5
7	MP3B	X	-103.153	1.5
8	MP3B	Z	-59.556	1.5
9	MP3B	Mx	-.079	1.5
10	MP3B	X	-103.153	5
11	MP3B	Z	-59.556	5
12	MP3B	Mx	-.079	5
13	MP3C	X	-76.934	1.5
14	MP3C	Z	-44.418	1.5
15	MP3C	Mx	-.035	1.5
16	MP3C	X	-76.934	5
17	MP3C	Z	-44.418	5
18	MP3C	Mx	-.035	5
19	MP3A	X	-76.838	1.5
20	MP3A	Z	-44.363	1.5
21	MP3A	Mx	.034	1.5
22	MP3A	X	-76.838	5
23	MP3A	Z	-44.363	5
24	MP3A	Mx	.034	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	-102.77	1.5
26	MP3B	Z	-59.334	1.5
27	MP3B	Mx	.079	1.5
28	MP3B	X	-102.77	5
29	MP3B	Z	-59.334	5
30	MP3B	Mx	.079	5
31	MP3C	X	-76.838	1.5
32	MP3C	Z	-44.363	1.5
33	MP3C	Mx	-.094	1.5
34	MP3C	X	-76.838	5
35	MP3C	Z	-44.363	5
36	MP3C	Mx	-.094	5
37	MP1A	X	-32.619	2
38	MP1A	Z	-18.832	2
39	MP1A	Mx	.027	2
40	MP1A	X	-32.619	4.5
41	MP1A	Z	-18.832	4.5
42	MP1A	Mx	.027	4.5
43	MP1B	X	-60.002	2
44	MP1B	Z	-34.642	2
45	MP1B	Mx	0	2
46	MP1B	X	-60.002	4.5
47	MP1B	Z	-34.642	4.5
48	MP1B	Mx	0	4.5
49	MP1C	X	-32.619	2
50	MP1C	Z	-18.832	2
51	MP1C	Mx	-.027	2
52	MP1C	X	-32.619	4.5
53	MP1C	Z	-18.832	4.5
54	MP1C	Mx	-.027	4.5
55	M95A	X	-103.664	1
56	M95A	Z	-59.85	1
57	M95A	Mx	0	1
58	MP2A	X	-15.979	1
59	MP2A	Z	-9.225	1
60	MP2A	Mx	-.008	1
61	MP2B	X	-25.533	1
62	MP2B	Z	-14.741	1
63	MP2B	Mx	0	1
64	MP2C	X	-15.979	1
65	MP2C	Z	-9.225	1
66	MP2C	Mx	.008	1
67	MP3A	X	-35.874	2.5
68	MP3A	Z	-20.712	2.5
69	MP3A	Mx	-.018	2.5
70	MP3B	X	-47.747	2.5
71	MP3B	Z	-27.567	2.5
72	MP3B	Mx	0	2.5
73	MP3C	X	-35.874	2.5
74	MP3C	Z	-20.712	2.5
75	MP3C	Mx	.018	2.5
76	MP2A	X	-33.719	2.5
77	MP2A	Z	-19.468	2.5
78	MP2A	Mx	-.017	2.5
79	MP2B	X	-47.747	2.5
80	MP2B	Z	-27.567	2.5
81	MP2B	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP2C	X	-33.719	2.5
83	MP2C	Z	-19.468	2.5
84	MP2C	Mx	.017	2.5
85	MP4A	X	-39.165	1
86	MP4A	Z	-22.612	1
87	MP4A	Mx	.033	1
88	MP4A	X	-39.165	4.5
89	MP4A	Z	-22.612	4.5
90	MP4A	Mx	.033	4.5
91	MP4B	X	-60.258	1
92	MP4B	Z	-34.79	1
93	MP4B	Mx	0	1
94	MP4B	X	-60.258	4.5
95	MP4B	Z	-34.79	4.5
96	MP4B	Mx	0	4.5
97	MP4C	X	-39.165	1
98	MP4C	Z	-22.612	1
99	MP4C	Mx	-.033	1
100	MP4C	X	-39.165	4.5
101	MP4C	Z	-22.612	4.5
102	MP4C	Mx	-.033	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-54.51	1.5
2	MP3A	Z	-94.413	1.5
3	MP3A	Mx	.108	1.5
4	MP3A	X	-54.51	5
5	MP3A	Z	-94.413	5
6	MP3A	Mx	.108	5
7	MP3B	X	-54.51	1.5
8	MP3B	Z	-94.413	1.5
9	MP3B	Mx	-.018	1.5
10	MP3B	X	-54.51	5
11	MP3B	Z	-94.413	5
12	MP3B	Mx	-.018	5
13	MP3C	X	-39.372	1.5
14	MP3C	Z	-68.194	1.5
15	MP3C	Mx	-.066	1.5
16	MP3C	X	-39.372	5
17	MP3C	Z	-68.194	5
18	MP3C	Mx	-.066	5
19	MP3A	X	-54.344	1.5
20	MP3A	Z	-94.126	1.5
21	MP3A	Mx	-.017	1.5
22	MP3A	X	-54.344	5
23	MP3A	Z	-94.126	5
24	MP3A	Mx	-.017	5
25	MP3B	X	-54.344	1.5
26	MP3B	Z	-94.126	1.5
27	MP3B	Mx	.108	1.5
28	MP3B	X	-54.344	5
29	MP3B	Z	-94.126	5
30	MP3B	Mx	.108	5
31	MP3C	X	-39.372	1.5
32	MP3C	Z	-68.194	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	-.066	1.5
34	MP3C	X	-39.372	5
35	MP3C	Z	-68.194	5
36	MP3C	Mx	-.066	5
37	MP1A	X	-29.372	2
38	MP1A	Z	-50.875	2
39	MP1A	Mx	.024	2
40	MP1A	X	-29.372	4.5
41	MP1A	Z	-50.875	4.5
42	MP1A	Mx	.024	4.5
43	MP1B	X	-29.372	2
44	MP1B	Z	-50.875	2
45	MP1B	Mx	.024	2
46	MP1B	X	-29.372	4.5
47	MP1B	Z	-50.875	4.5
48	MP1B	Mx	.024	4.5
49	MP1C	X	-13.562	2
50	MP1C	Z	-23.491	2
51	MP1C	Mx	-.023	2
52	MP1C	X	-13.562	4.5
53	MP1C	Z	-23.491	4.5
54	MP1C	Mx	-.023	4.5
55	M95A	X	-56.303	1
56	M95A	Z	-97.52	1
57	M95A	Mx	0	1
58	MP2A	X	-12.903	1
59	MP2A	Z	-22.348	1
60	MP2A	Mx	-.006	1
61	MP2B	X	-12.903	1
62	MP2B	Z	-22.348	1
63	MP2B	Mx	-.006	1
64	MP2C	X	-7.387	1
65	MP2C	Z	-12.794	1
66	MP2C	Mx	.007	1
67	MP3A	X	-25.282	2.5
68	MP3A	Z	-43.789	2.5
69	MP3A	Mx	-.013	2.5
70	MP3B	X	-25.282	2.5
71	MP3B	Z	-43.789	2.5
72	MP3B	Mx	-.013	2.5
73	MP3C	X	-18.427	2.5
74	MP3C	Z	-31.916	2.5
75	MP3C	Mx	.018	2.5
76	MP2A	X	-24.867	2.5
77	MP2A	Z	-43.071	2.5
78	MP2A	Mx	-.012	2.5
79	MP2B	X	-24.867	2.5
80	MP2B	Z	-43.071	2.5
81	MP2B	Mx	-.012	2.5
82	MP2C	X	-16.768	2.5
83	MP2C	Z	-29.044	2.5
84	MP2C	Mx	.017	2.5
85	MP4A	X	-30.73	1
86	MP4A	Z	-53.227	1
87	MP4A	Mx	.026	1
88	MP4A	X	-30.73	4.5
89	MP4A	Z	-53.227	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP4A	Mx	.026	4.5
91	MP4B	X	-30.73	1
92	MP4B	Z	-53.227	1
93	MP4B	Mx	.026	1
94	MP4B	X	-30.73	4.5
95	MP4B	Z	-53.227	4.5
96	MP4B	Mx	.026	4.5
97	MP4C	X	-18.552	1
98	MP4C	Z	-32.134	1
99	MP4C	Mx	-.031	1
100	MP4C	X	-18.552	4.5
101	MP4C	Z	-32.134	4.5
102	MP4C	Mx	-.031	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5
2	MP3A	Z	-25.084	1.5
3	MP3A	Mx	.017	1.5
4	MP3A	X	0	5
5	MP3A	Z	-25.084	5
6	MP3A	Mx	.017	5
7	MP3B	X	0	1.5
8	MP3B	Z	-19.474	1.5
9	MP3B	Mx	.008	1.5
10	MP3B	X	0	5
11	MP3B	Z	-19.474	5
12	MP3B	Mx	.008	5
13	MP3C	X	0	1.5
14	MP3C	Z	-19.474	1.5
15	MP3C	Mx	-.021	1.5
16	MP3C	X	0	5
17	MP3C	Z	-19.474	5
18	MP3C	Mx	-.021	5
19	MP3A	X	0	1.5
20	MP3A	Z	-25.084	1.5
21	MP3A	Mx	-.017	1.5
22	MP3A	X	0	5
23	MP3A	Z	-25.084	5
24	MP3A	Mx	-.017	5
25	MP3B	X	0	1.5
26	MP3B	Z	-19.474	1.5
27	MP3B	Mx	.021	1.5
28	MP3B	X	0	5
29	MP3B	Z	-19.474	5
30	MP3B	Mx	.021	5
31	MP3C	X	0	1.5
32	MP3C	Z	-19.474	1.5
33	MP3C	Mx	-.008	1.5
34	MP3C	X	0	5
35	MP3C	Z	-19.474	5
36	MP3C	Mx	-.008	5
37	MP1A	X	0	2
38	MP1A	Z	-15.071	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP1A	Z	-15.071	4.5
42	MP1A	Mx	0	4.5
43	MP1B	X	0	2
44	MP1B	Z	-8.769	2
45	MP1B	Mx	.006	2
46	MP1B	X	0	4.5
47	MP1B	Z	-8.769	4.5
48	MP1B	Mx	.006	4.5
49	MP1C	X	0	2
50	MP1C	Z	-8.769	2
51	MP1C	Mx	-.006	2
52	MP1C	X	0	4.5
53	MP1C	Z	-8.769	4.5
54	MP1C	Mx	-.006	4.5
55	M95A	X	0	1
56	M95A	Z	-22.042	1
57	M95A	Mx	0	1
58	MP2A	X	0	1
59	MP2A	Z	-7.632	1
60	MP2A	Mx	0	1
61	MP2B	X	0	1
62	MP2B	Z	-5.284	1
63	MP2B	Mx	-.002	1
64	MP2C	X	0	1
65	MP2C	Z	-5.284	1
66	MP2C	Mx	.002	1
67	MP3A	X	0	2.5
68	MP3A	Z	-13.022	2.5
69	MP3A	Mx	0	2.5
70	MP3B	X	0	2.5
71	MP3B	Z	-10.169	2.5
72	MP3B	Mx	-.004	2.5
73	MP3C	X	0	2.5
74	MP3C	Z	-10.169	2.5
75	MP3C	Mx	.004	2.5
76	MP2A	X	0	2.5
77	MP2A	Z	-13.022	2.5
78	MP2A	Mx	0	2.5
79	MP2B	X	0	2.5
80	MP2B	Z	-9.655	2.5
81	MP2B	Mx	-.004	2.5
82	MP2C	X	0	2.5
83	MP2C	Z	-9.655	2.5
84	MP2C	Mx	.004	2.5
85	MP4A	X	0	1
86	MP4A	Z	-15.149	1
87	MP4A	Mx	0	1
88	MP4A	X	0	4.5
89	MP4A	Z	-15.149	4.5
90	MP4A	Mx	0	4.5
91	MP4B	X	0	1
92	MP4B	Z	-10.504	1
93	MP4B	Mx	.008	1
94	MP4B	X	0	4.5
95	MP4B	Z	-10.504	4.5
96	MP4B	Mx	.008	4.5
97	MP4C	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP4C	Z	-10.504	1
99	MP4C	Mx	-.008	1
100	MP4C	X	0	4.5
101	MP4C	Z	-10.504	4.5
102	MP4C	Mx	-.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	11.607	1.5
2	MP3A	Z	-20.104	1.5
3	MP3A	Mx	.004	1.5
4	MP3A	X	11.607	5
5	MP3A	Z	-20.104	5
6	MP3A	Mx	.004	5
7	MP3B	X	8.802	1.5
8	MP3B	Z	-15.246	1.5
9	MP3B	Mx	.015	1.5
10	MP3B	X	8.802	5
11	MP3B	Z	-15.246	5
12	MP3B	Mx	.015	5
13	MP3C	X	11.607	1.5
14	MP3C	Z	-20.104	1.5
15	MP3C	Mx	-.023	1.5
16	MP3C	X	11.607	5
17	MP3C	Z	-20.104	5
18	MP3C	Mx	-.023	5
19	MP3A	X	11.607	1.5
20	MP3A	Z	-20.104	1.5
21	MP3A	Mx	-.023	1.5
22	MP3A	X	11.607	5
23	MP3A	Z	-20.104	5
24	MP3A	Mx	-.023	5
25	MP3B	X	8.802	1.5
26	MP3B	Z	-15.246	1.5
27	MP3B	Mx	.015	1.5
28	MP3B	X	8.802	5
29	MP3B	Z	-15.246	5
30	MP3B	Mx	.015	5
31	MP3C	X	11.607	1.5
32	MP3C	Z	-20.104	1.5
33	MP3C	Mx	.004	1.5
34	MP3C	X	11.607	5
35	MP3C	Z	-20.104	5
36	MP3C	Mx	.004	5
37	MP1A	X	6.485	2
38	MP1A	Z	-11.233	2
39	MP1A	Mx	-.005	2
40	MP1A	X	6.485	4.5
41	MP1A	Z	-11.233	4.5
42	MP1A	Mx	-.005	4.5
43	MP1B	X	3.334	2
44	MP1B	Z	-5.774	2
45	MP1B	Mx	.006	2
46	MP1B	X	3.334	4.5
47	MP1B	Z	-5.774	4.5
48	MP1B	Mx	.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP1C	X	6.485	2
50	MP1C	Z	-11.233	2
51	MP1C	Mx	-.005	2
52	MP1C	X	6.485	4.5
53	MP1C	Z	-11.233	4.5
54	MP1C	Mx	-.005	4.5
55	M95A	X	10.333	1
56	M95A	Z	-17.897	1
57	M95A	Mx	0	1
58	MP2A	X	3.425	1
59	MP2A	Z	-5.932	1
60	MP2A	Mx	.002	1
61	MP2B	X	2.251	1
62	MP2B	Z	-3.898	1
63	MP2B	Mx	-.002	1
64	MP2C	X	3.425	1
65	MP2C	Z	-5.932	1
66	MP2C	Mx	.002	1
67	MP3A	X	6.035	2.5
68	MP3A	Z	-10.454	2.5
69	MP3A	Mx	.003	2.5
70	MP3B	X	4.609	2.5
71	MP3B	Z	-7.983	2.5
72	MP3B	Mx	-.005	2.5
73	MP3C	X	6.035	2.5
74	MP3C	Z	-10.454	2.5
75	MP3C	Mx	.003	2.5
76	MP2A	X	5.95	2.5
77	MP2A	Z	-10.305	2.5
78	MP2A	Mx	.003	2.5
79	MP2B	X	4.267	2.5
80	MP2B	Z	-7.39	2.5
81	MP2B	Mx	-.004	2.5
82	MP2C	X	5.95	2.5
83	MP2C	Z	-10.305	2.5
84	MP2C	Mx	.003	2.5
85	MP4A	X	6.8	1
86	MP4A	Z	-11.778	1
87	MP4A	Mx	-.006	1
88	MP4A	X	6.8	4.5
89	MP4A	Z	-11.778	4.5
90	MP4A	Mx	-.006	4.5
91	MP4B	X	4.478	1
92	MP4B	Z	-7.755	1
93	MP4B	Mx	.007	1
94	MP4B	X	4.478	4.5
95	MP4B	Z	-7.755	4.5
96	MP4B	Mx	.007	4.5
97	MP4C	X	6.8	1
98	MP4C	Z	-11.778	1
99	MP4C	Mx	-.006	1
100	MP4C	X	6.8	4.5
101	MP4C	Z	-11.778	4.5
102	MP4C	Mx	-.006	4.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	16.865	1.5
2	MP3A	Z	-9.737	1.5
3	MP3A	Mx	-.008	1.5
4	MP3A	X	16.865	5
5	MP3A	Z	-9.737	5
6	MP3A	Mx	-.008	5
7	MP3B	X	16.865	1.5
8	MP3B	Z	-9.737	1.5
9	MP3B	Mx	.021	1.5
10	MP3B	X	16.865	5
11	MP3B	Z	-9.737	5
12	MP3B	Mx	.021	5
13	MP3C	X	21.723	1.5
14	MP3C	Z	-12.542	1.5
15	MP3C	Mx	-.017	1.5
16	MP3C	X	21.723	5
17	MP3C	Z	-12.542	5
18	MP3C	Mx	-.017	5
19	MP3A	X	16.865	1.5
20	MP3A	Z	-9.737	1.5
21	MP3A	Mx	-.021	1.5
22	MP3A	X	16.865	5
23	MP3A	Z	-9.737	5
24	MP3A	Mx	-.021	5
25	MP3B	X	16.865	1.5
26	MP3B	Z	-9.737	1.5
27	MP3B	Mx	.008	1.5
28	MP3B	X	16.865	5
29	MP3B	Z	-9.737	5
30	MP3B	Mx	.008	5
31	MP3C	X	21.723	1.5
32	MP3C	Z	-12.542	1.5
33	MP3C	Mx	.017	1.5
34	MP3C	X	21.723	5
35	MP3C	Z	-12.542	5
36	MP3C	Mx	.017	5
37	MP1A	X	7.594	2
38	MP1A	Z	-4.384	2
39	MP1A	Mx	-.006	2
40	MP1A	X	7.594	4.5
41	MP1A	Z	-4.384	4.5
42	MP1A	Mx	-.006	4.5
43	MP1B	X	7.594	2
44	MP1B	Z	-4.384	2
45	MP1B	Mx	.006	2
46	MP1B	X	7.594	4.5
47	MP1B	Z	-4.384	4.5
48	MP1B	Mx	.006	4.5
49	MP1C	X	13.052	2
50	MP1C	Z	-7.536	2
51	MP1C	Mx	0	2
52	MP1C	X	13.052	4.5
53	MP1C	Z	-7.536	4.5
54	MP1C	Mx	0	4.5
55	M95A	X	19.089	1
56	M95A	Z	-11.021	1
57	M95A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	4.576	1
59	MP2A	Z	-2.642	1
60	MP2A	Mx	.002	1
61	MP2B	X	4.576	1
62	MP2B	Z	-2.642	1
63	MP2B	Mx	-.002	1
64	MP2C	X	6.609	1
65	MP2C	Z	-3.816	1
66	MP2C	Mx	0	1
67	MP3A	X	8.806	2.5
68	MP3A	Z	-5.084	2.5
69	MP3A	Mx	.004	2.5
70	MP3B	X	8.806	2.5
71	MP3B	Z	-5.084	2.5
72	MP3B	Mx	-.004	2.5
73	MP3C	X	11.277	2.5
74	MP3C	Z	-6.511	2.5
75	MP3C	Mx	0	2.5
76	MP2A	X	8.362	2.5
77	MP2A	Z	-4.828	2.5
78	MP2A	Mx	.004	2.5
79	MP2B	X	8.362	2.5
80	MP2B	Z	-4.828	2.5
81	MP2B	Mx	-.004	2.5
82	MP2C	X	11.277	2.5
83	MP2C	Z	-6.511	2.5
84	MP2C	Mx	0	2.5
85	MP4A	X	9.096	1
86	MP4A	Z	-5.252	1
87	MP4A	Mx	-.008	1
88	MP4A	X	9.096	4.5
89	MP4A	Z	-5.252	4.5
90	MP4A	Mx	-.008	4.5
91	MP4B	X	9.096	1
92	MP4B	Z	-5.252	1
93	MP4B	Mx	.008	1
94	MP4B	X	9.096	4.5
95	MP4B	Z	-5.252	4.5
96	MP4B	Mx	.008	4.5
97	MP4C	X	13.119	1
98	MP4C	Z	-7.574	1
99	MP4C	Mx	0	1
100	MP4C	X	13.119	4.5
101	MP4C	Z	-7.574	4.5
102	MP4C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	17.604	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	-.015	1.5
4	MP3A	X	17.604	5
5	MP3A	Z	0	5
6	MP3A	Mx	-.015	5
7	MP3B	X	23.214	1.5
8	MP3B	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.023	1.5
10	MP3B	X	23.214	5
11	MP3B	Z	0	5
12	MP3B	Mx	.023	5
13	MP3C	X	23.214	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	-.004	1.5
16	MP3C	X	23.214	5
17	MP3C	Z	0	5
18	MP3C	Mx	-.004	5
19	MP3A	X	17.604	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	-.015	1.5
22	MP3A	X	17.604	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.015	5
25	MP3B	X	23.214	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	-.004	1.5
28	MP3B	X	23.214	5
29	MP3B	Z	0	5
30	MP3B	Mx	-.004	5
31	MP3C	X	23.214	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	.023	1.5
34	MP3C	X	23.214	5
35	MP3C	Z	0	5
36	MP3C	Mx	.023	5
37	MP1A	X	6.668	2
38	MP1A	Z	0	2
39	MP1A	Mx	-.006	2
40	MP1A	X	6.668	4.5
41	MP1A	Z	0	4.5
42	MP1A	Mx	-.006	4.5
43	MP1B	X	12.97	2
44	MP1B	Z	0	2
45	MP1B	Mx	.005	2
46	MP1B	X	12.97	4.5
47	MP1B	Z	0	4.5
48	MP1B	Mx	.005	4.5
49	MP1C	X	12.97	2
50	MP1C	Z	0	2
51	MP1C	Mx	.005	2
52	MP1C	X	12.97	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	.005	4.5
55	M95A	X	24.794	1
56	M95A	Z	0	1
57	M95A	Mx	0	1
58	MP2A	X	4.501	1
59	MP2A	Z	0	1
60	MP2A	Mx	.002	1
61	MP2B	X	6.849	1
62	MP2B	Z	0	1
63	MP2B	Mx	-.002	1
64	MP2C	X	6.849	1
65	MP2C	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2C	Mx	-.002	1
67	MP3A	X	9.218	2.5
68	MP3A	Z	0	2.5
69	MP3A	Mx	.005	2.5
70	MP3B	X	12.071	2.5
71	MP3B	Z	0	2.5
72	MP3B	Mx	-.003	2.5
73	MP3C	X	12.071	2.5
74	MP3C	Z	0	2.5
75	MP3C	Mx	-.003	2.5
76	MP2A	X	8.533	2.5
77	MP2A	Z	0	2.5
78	MP2A	Mx	.004	2.5
79	MP2B	X	11.9	2.5
80	MP2B	Z	0	2.5
81	MP2B	Mx	-.003	2.5
82	MP2C	X	11.9	2.5
83	MP2C	Z	0	2.5
84	MP2C	Mx	-.003	2.5
85	MP4A	X	8.955	1
86	MP4A	Z	0	1
87	MP4A	Mx	-.007	1
88	MP4A	X	8.955	4.5
89	MP4A	Z	0	4.5
90	MP4A	Mx	-.007	4.5
91	MP4B	X	13.6	1
92	MP4B	Z	0	1
93	MP4B	Mx	.006	1
94	MP4B	X	13.6	4.5
95	MP4B	Z	0	4.5
96	MP4B	Mx	.006	4.5
97	MP4C	X	13.6	1
98	MP4C	Z	0	1
99	MP4C	Mx	.006	1
100	MP4C	X	13.6	4.5
101	MP4C	Z	0	4.5
102	MP4C	Mx	.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	16.865	1.5
2	MP3A	Z	9.737	1.5
3	MP3A	Mx	-.021	1.5
4	MP3A	X	16.865	5
5	MP3A	Z	9.737	5
6	MP3A	Mx	-.021	5
7	MP3B	X	21.723	1.5
8	MP3B	Z	12.542	1.5
9	MP3B	Mx	.017	1.5
10	MP3B	X	21.723	5
11	MP3B	Z	12.542	5
12	MP3B	Mx	.017	5
13	MP3C	X	16.865	1.5
14	MP3C	Z	9.737	1.5
15	MP3C	Mx	.008	1.5
16	MP3C	X	16.865	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	9.737	5
18	MP3C	Mx	.008	5
19	MP3A	X	16.865	1.5
20	MP3A	Z	9.737	1.5
21	MP3A	Mx	-.008	1.5
22	MP3A	X	16.865	5
23	MP3A	Z	9.737	5
24	MP3A	Mx	-.008	5
25	MP3B	X	21.723	1.5
26	MP3B	Z	12.542	1.5
27	MP3B	Mx	-.017	1.5
28	MP3B	X	21.723	5
29	MP3B	Z	12.542	5
30	MP3B	Mx	-.017	5
31	MP3C	X	16.865	1.5
32	MP3C	Z	9.737	1.5
33	MP3C	Mx	.021	1.5
34	MP3C	X	16.865	5
35	MP3C	Z	9.737	5
36	MP3C	Mx	.021	5
37	MP1A	X	7.594	2
38	MP1A	Z	4.384	2
39	MP1A	Mx	-.006	2
40	MP1A	X	7.594	4.5
41	MP1A	Z	4.384	4.5
42	MP1A	Mx	-.006	4.5
43	MP1B	X	13.052	2
44	MP1B	Z	7.536	2
45	MP1B	Mx	0	2
46	MP1B	X	13.052	4.5
47	MP1B	Z	7.536	4.5
48	MP1B	Mx	0	4.5
49	MP1C	X	7.594	2
50	MP1C	Z	4.384	2
51	MP1C	Mx	.006	2
52	MP1C	X	7.594	4.5
53	MP1C	Z	4.384	4.5
54	MP1C	Mx	.006	4.5
55	M95A	X	22.664	1
56	M95A	Z	13.085	1
57	M95A	Mx	0	1
58	MP2A	X	4.576	1
59	MP2A	Z	2.642	1
60	MP2A	Mx	.002	1
61	MP2B	X	6.609	1
62	MP2B	Z	3.816	1
63	MP2B	Mx	0	1
64	MP2C	X	4.576	1
65	MP2C	Z	2.642	1
66	MP2C	Mx	-.002	1
67	MP3A	X	8.806	2.5
68	MP3A	Z	5.084	2.5
69	MP3A	Mx	.004	2.5
70	MP3B	X	11.277	2.5
71	MP3B	Z	6.511	2.5
72	MP3B	Mx	0	2.5
73	MP3C	X	8.806	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3C	Z	5.084	2.5
75	MP3C	Mx	-.004	2.5
76	MP2A	X	8.362	2.5
77	MP2A	Z	4.828	2.5
78	MP2A	Mx	.004	2.5
79	MP2B	X	11.277	2.5
80	MP2B	Z	6.511	2.5
81	MP2B	Mx	0	2.5
82	MP2C	X	8.362	2.5
83	MP2C	Z	4.828	2.5
84	MP2C	Mx	-.004	2.5
85	MP4A	X	9.096	1
86	MP4A	Z	5.252	1
87	MP4A	Mx	-.008	1
88	MP4A	X	9.096	4.5
89	MP4A	Z	5.252	4.5
90	MP4A	Mx	-.008	4.5
91	MP4B	X	13.119	1
92	MP4B	Z	7.574	1
93	MP4B	Mx	0	1
94	MP4B	X	13.119	4.5
95	MP4B	Z	7.574	4.5
96	MP4B	Mx	0	4.5
97	MP4C	X	9.096	1
98	MP4C	Z	5.252	1
99	MP4C	Mx	.008	1
100	MP4C	X	9.096	4.5
101	MP4C	Z	5.252	4.5
102	MP4C	Mx	.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	11.607	1.5
2	MP3A	Z	20.104	1.5
3	MP3A	Mx	-.023	1.5
4	MP3A	X	11.607	5
5	MP3A	Z	20.104	5
6	MP3A	Mx	-.023	5
7	MP3B	X	11.607	1.5
8	MP3B	Z	20.104	1.5
9	MP3B	Mx	.004	1.5
10	MP3B	X	11.607	5
11	MP3B	Z	20.104	5
12	MP3B	Mx	.004	5
13	MP3C	X	8.802	1.5
14	MP3C	Z	15.246	1.5
15	MP3C	Mx	.015	1.5
16	MP3C	X	8.802	5
17	MP3C	Z	15.246	5
18	MP3C	Mx	.015	5
19	MP3A	X	11.607	1.5
20	MP3A	Z	20.104	1.5
21	MP3A	Mx	.004	1.5
22	MP3A	X	11.607	5
23	MP3A	Z	20.104	5
24	MP3A	Mx	.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	11.607	1.5
26	MP3B	Z	20.104	1.5
27	MP3B	Mx	-.023	1.5
28	MP3B	X	11.607	5
29	MP3B	Z	20.104	5
30	MP3B	Mx	-.023	5
31	MP3C	X	8.802	1.5
32	MP3C	Z	15.246	1.5
33	MP3C	Mx	.015	1.5
34	MP3C	X	8.802	5
35	MP3C	Z	15.246	5
36	MP3C	Mx	.015	5
37	MP1A	X	6.485	2
38	MP1A	Z	11.233	2
39	MP1A	Mx	-.005	2
40	MP1A	X	6.485	4.5
41	MP1A	Z	11.233	4.5
42	MP1A	Mx	-.005	4.5
43	MP1B	X	6.485	2
44	MP1B	Z	11.233	2
45	MP1B	Mx	-.005	2
46	MP1B	X	6.485	4.5
47	MP1B	Z	11.233	4.5
48	MP1B	Mx	-.005	4.5
49	MP1C	X	3.334	2
50	MP1C	Z	5.774	2
51	MP1C	Mx	.006	2
52	MP1C	X	3.334	4.5
53	MP1C	Z	5.774	4.5
54	MP1C	Mx	.006	4.5
55	M95A	X	12.397	1
56	M95A	Z	21.472	1
57	M95A	Mx	0	1
58	MP2A	X	3.425	1
59	MP2A	Z	5.932	1
60	MP2A	Mx	.002	1
61	MP2B	X	3.425	1
62	MP2B	Z	5.932	1
63	MP2B	Mx	.002	1
64	MP2C	X	2.251	1
65	MP2C	Z	3.898	1
66	MP2C	Mx	-.002	1
67	MP3A	X	6.035	2.5
68	MP3A	Z	10.454	2.5
69	MP3A	Mx	.003	2.5
70	MP3B	X	6.035	2.5
71	MP3B	Z	10.454	2.5
72	MP3B	Mx	.003	2.5
73	MP3C	X	4.609	2.5
74	MP3C	Z	7.983	2.5
75	MP3C	Mx	-.005	2.5
76	MP2A	X	5.95	2.5
77	MP2A	Z	10.305	2.5
78	MP2A	Mx	.003	2.5
79	MP2B	X	5.95	2.5
80	MP2B	Z	10.305	2.5
81	MP2B	Mx	.003	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP2C	X	4.267	2.5
83	MP2C	Z	7.39	2.5
84	MP2C	Mx	-.004	2.5
85	MP4A	X	6.8	1
86	MP4A	Z	11.778	1
87	MP4A	Mx	-.006	1
88	MP4A	X	6.8	4.5
89	MP4A	Z	11.778	4.5
90	MP4A	Mx	-.006	4.5
91	MP4B	X	6.8	1
92	MP4B	Z	11.778	1
93	MP4B	Mx	-.006	1
94	MP4B	X	6.8	4.5
95	MP4B	Z	11.778	4.5
96	MP4B	Mx	-.006	4.5
97	MP4C	X	4.478	1
98	MP4C	Z	7.755	1
99	MP4C	Mx	.007	1
100	MP4C	X	4.478	4.5
101	MP4C	Z	7.755	4.5
102	MP4C	Mx	.007	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5
2	MP3A	Z	25.084	1.5
3	MP3A	Mx	-.017	1.5
4	MP3A	X	0	5
5	MP3A	Z	25.084	5
6	MP3A	Mx	-.017	5
7	MP3B	X	0	1.5
8	MP3B	Z	19.474	1.5
9	MP3B	Mx	-.008	1.5
10	MP3B	X	0	5
11	MP3B	Z	19.474	5
12	MP3B	Mx	-.008	5
13	MP3C	X	0	1.5
14	MP3C	Z	19.474	1.5
15	MP3C	Mx	.021	1.5
16	MP3C	X	0	5
17	MP3C	Z	19.474	5
18	MP3C	Mx	.021	5
19	MP3A	X	0	1.5
20	MP3A	Z	25.084	1.5
21	MP3A	Mx	.017	1.5
22	MP3A	X	0	5
23	MP3A	Z	25.084	5
24	MP3A	Mx	.017	5
25	MP3B	X	0	1.5
26	MP3B	Z	19.474	1.5
27	MP3B	Mx	-.021	1.5
28	MP3B	X	0	5
29	MP3B	Z	19.474	5
30	MP3B	Mx	-.021	5
31	MP3C	X	0	1.5
32	MP3C	Z	19.474	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	.008	1.5
34	MP3C	X	0	5
35	MP3C	Z	19.474	5
36	MP3C	Mx	.008	5
37	MP1A	X	0	2
38	MP1A	Z	15.071	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4.5
41	MP1A	Z	15.071	4.5
42	MP1A	Mx	0	4.5
43	MP1B	X	0	2
44	MP1B	Z	8.769	2
45	MP1B	Mx	-.006	2
46	MP1B	X	0	4.5
47	MP1B	Z	8.769	4.5
48	MP1B	Mx	-.006	4.5
49	MP1C	X	0	2
50	MP1C	Z	8.769	2
51	MP1C	Mx	.006	2
52	MP1C	X	0	4.5
53	MP1C	Z	8.769	4.5
54	MP1C	Mx	.006	4.5
55	M95A	X	0	1
56	M95A	Z	22.042	1
57	M95A	Mx	0	1
58	MP2A	X	0	1
59	MP2A	Z	7.632	1
60	MP2A	Mx	0	1
61	MP2B	X	0	1
62	MP2B	Z	5.284	1
63	MP2B	Mx	.002	1
64	MP2C	X	0	1
65	MP2C	Z	5.284	1
66	MP2C	Mx	-.002	1
67	MP3A	X	0	2.5
68	MP3A	Z	13.022	2.5
69	MP3A	Mx	0	2.5
70	MP3B	X	0	2.5
71	MP3B	Z	10.169	2.5
72	MP3B	Mx	.004	2.5
73	MP3C	X	0	2.5
74	MP3C	Z	10.169	2.5
75	MP3C	Mx	-.004	2.5
76	MP2A	X	0	2.5
77	MP2A	Z	13.022	2.5
78	MP2A	Mx	0	2.5
79	MP2B	X	0	2.5
80	MP2B	Z	9.655	2.5
81	MP2B	Mx	.004	2.5
82	MP2C	X	0	2.5
83	MP2C	Z	9.655	2.5
84	MP2C	Mx	-.004	2.5
85	MP4A	X	0	1
86	MP4A	Z	15.149	1
87	MP4A	Mx	0	1
88	MP4A	X	0	4.5
89	MP4A	Z	15.149	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP4A	Mx	0	4.5
91	MP4B	X	0	1
92	MP4B	Z	10.504	1
93	MP4B	Mx	-.008	1
94	MP4B	X	0	4.5
95	MP4B	Z	10.504	4.5
96	MP4B	Mx	-.008	4.5
97	MP4C	X	0	1
98	MP4C	Z	10.504	1
99	MP4C	Mx	.008	1
100	MP4C	X	0	4.5
101	MP4C	Z	10.504	4.5
102	MP4C	Mx	.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-11.607	1.5
2	MP3A	Z	20.104	1.5
3	MP3A	Mx	-.004	1.5
4	MP3A	X	-11.607	5
5	MP3A	Z	20.104	5
6	MP3A	Mx	-.004	5
7	MP3B	X	-8.802	1.5
8	MP3B	Z	15.246	1.5
9	MP3B	Mx	-.015	1.5
10	MP3B	X	-8.802	5
11	MP3B	Z	15.246	5
12	MP3B	Mx	-.015	5
13	MP3C	X	-11.607	1.5
14	MP3C	Z	20.104	1.5
15	MP3C	Mx	.023	1.5
16	MP3C	X	-11.607	5
17	MP3C	Z	20.104	5
18	MP3C	Mx	.023	5
19	MP3A	X	-11.607	1.5
20	MP3A	Z	20.104	1.5
21	MP3A	Mx	.023	1.5
22	MP3A	X	-11.607	5
23	MP3A	Z	20.104	5
24	MP3A	Mx	.023	5
25	MP3B	X	-8.802	1.5
26	MP3B	Z	15.246	1.5
27	MP3B	Mx	-.015	1.5
28	MP3B	X	-8.802	5
29	MP3B	Z	15.246	5
30	MP3B	Mx	-.015	5
31	MP3C	X	-11.607	1.5
32	MP3C	Z	20.104	1.5
33	MP3C	Mx	-.004	1.5
34	MP3C	X	-11.607	5
35	MP3C	Z	20.104	5
36	MP3C	Mx	-.004	5
37	MP1A	X	-6.485	2
38	MP1A	Z	11.233	2
39	MP1A	Mx	.005	2
40	MP1A	X	-6.485	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP1A	Z	11.233	4.5
42	MP1A	Mx	.005	4.5
43	MP1B	X	-3.334	2
44	MP1B	Z	5.774	2
45	MP1B	Mx	-.006	2
46	MP1B	X	-3.334	4.5
47	MP1B	Z	5.774	4.5
48	MP1B	Mx	-.006	4.5
49	MP1C	X	-6.485	2
50	MP1C	Z	11.233	2
51	MP1C	Mx	.005	2
52	MP1C	X	-6.485	4.5
53	MP1C	Z	11.233	4.5
54	MP1C	Mx	.005	4.5
55	M95A	X	-10.333	1
56	M95A	Z	17.897	1
57	M95A	Mx	0	1
58	MP2A	X	-3.425	1
59	MP2A	Z	5.932	1
60	MP2A	Mx	-.002	1
61	MP2B	X	-2.251	1
62	MP2B	Z	3.898	1
63	MP2B	Mx	.002	1
64	MP2C	X	-3.425	1
65	MP2C	Z	5.932	1
66	MP2C	Mx	-.002	1
67	MP3A	X	-6.035	2.5
68	MP3A	Z	10.454	2.5
69	MP3A	Mx	-.003	2.5
70	MP3B	X	-4.609	2.5
71	MP3B	Z	7.983	2.5
72	MP3B	Mx	.005	2.5
73	MP3C	X	-6.035	2.5
74	MP3C	Z	10.454	2.5
75	MP3C	Mx	-.003	2.5
76	MP2A	X	-5.95	2.5
77	MP2A	Z	10.305	2.5
78	MP2A	Mx	-.003	2.5
79	MP2B	X	-4.267	2.5
80	MP2B	Z	7.39	2.5
81	MP2B	Mx	.004	2.5
82	MP2C	X	-5.95	2.5
83	MP2C	Z	10.305	2.5
84	MP2C	Mx	-.003	2.5
85	MP4A	X	-6.8	1
86	MP4A	Z	11.778	1
87	MP4A	Mx	.006	1
88	MP4A	X	-6.8	4.5
89	MP4A	Z	11.778	4.5
90	MP4A	Mx	.006	4.5
91	MP4B	X	-4.478	1
92	MP4B	Z	7.755	1
93	MP4B	Mx	-.007	1
94	MP4B	X	-4.478	4.5
95	MP4B	Z	7.755	4.5
96	MP4B	Mx	-.007	4.5
97	MP4C	X	-6.8	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP4C	Z	11.778	1
99	MP4C	Mx	.006	1
100	MP4C	X	-6.8	4.5
101	MP4C	Z	11.778	4.5
102	MP4C	Mx	.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-16.865	1.5
2	MP3A	Z	9.737	1.5
3	MP3A	Mx	.008	1.5
4	MP3A	X	-16.865	5
5	MP3A	Z	9.737	5
6	MP3A	Mx	.008	5
7	MP3B	X	-16.865	1.5
8	MP3B	Z	9.737	1.5
9	MP3B	Mx	-.021	1.5
10	MP3B	X	-16.865	5
11	MP3B	Z	9.737	5
12	MP3B	Mx	-.021	5
13	MP3C	X	-21.723	1.5
14	MP3C	Z	12.542	1.5
15	MP3C	Mx	.017	1.5
16	MP3C	X	-21.723	5
17	MP3C	Z	12.542	5
18	MP3C	Mx	.017	5
19	MP3A	X	-16.865	1.5
20	MP3A	Z	9.737	1.5
21	MP3A	Mx	.021	1.5
22	MP3A	X	-16.865	5
23	MP3A	Z	9.737	5
24	MP3A	Mx	.021	5
25	MP3B	X	-16.865	1.5
26	MP3B	Z	9.737	1.5
27	MP3B	Mx	-.008	1.5
28	MP3B	X	-16.865	5
29	MP3B	Z	9.737	5
30	MP3B	Mx	-.008	5
31	MP3C	X	-21.723	1.5
32	MP3C	Z	12.542	1.5
33	MP3C	Mx	-.017	1.5
34	MP3C	X	-21.723	5
35	MP3C	Z	12.542	5
36	MP3C	Mx	-.017	5
37	MP1A	X	-7.594	2
38	MP1A	Z	4.384	2
39	MP1A	Mx	.006	2
40	MP1A	X	-7.594	4.5
41	MP1A	Z	4.384	4.5
42	MP1A	Mx	.006	4.5
43	MP1B	X	-7.594	2
44	MP1B	Z	4.384	2
45	MP1B	Mx	-.006	2
46	MP1B	X	-7.594	4.5
47	MP1B	Z	4.384	4.5
48	MP1B	Mx	-.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP1C	X	-13.052	2
50	MP1C	Z	7.536	2
51	MP1C	Mx	0	2
52	MP1C	X	-13.052	4.5
53	MP1C	Z	7.536	4.5
54	MP1C	Mx	0	4.5
55	M95A	X	-19.089	1
56	M95A	Z	11.021	1
57	M95A	Mx	0	1
58	MP2A	X	-4.576	1
59	MP2A	Z	2.642	1
60	MP2A	Mx	-.002	1
61	MP2B	X	-4.576	1
62	MP2B	Z	2.642	1
63	MP2B	Mx	.002	1
64	MP2C	X	-6.609	1
65	MP2C	Z	3.816	1
66	MP2C	Mx	0	1
67	MP3A	X	-8.806	2.5
68	MP3A	Z	5.084	2.5
69	MP3A	Mx	-.004	2.5
70	MP3B	X	-8.806	2.5
71	MP3B	Z	5.084	2.5
72	MP3B	Mx	.004	2.5
73	MP3C	X	-11.277	2.5
74	MP3C	Z	6.511	2.5
75	MP3C	Mx	0	2.5
76	MP2A	X	-8.362	2.5
77	MP2A	Z	4.828	2.5
78	MP2A	Mx	-.004	2.5
79	MP2B	X	-8.362	2.5
80	MP2B	Z	4.828	2.5
81	MP2B	Mx	.004	2.5
82	MP2C	X	-11.277	2.5
83	MP2C	Z	6.511	2.5
84	MP2C	Mx	0	2.5
85	MP4A	X	-9.096	1
86	MP4A	Z	5.252	1
87	MP4A	Mx	.008	1
88	MP4A	X	-9.096	4.5
89	MP4A	Z	5.252	4.5
90	MP4A	Mx	.008	4.5
91	MP4B	X	-9.096	1
92	MP4B	Z	5.252	1
93	MP4B	Mx	-.008	1
94	MP4B	X	-9.096	4.5
95	MP4B	Z	5.252	4.5
96	MP4B	Mx	-.008	4.5
97	MP4C	X	-13.119	1
98	MP4C	Z	7.574	1
99	MP4C	Mx	0	1
100	MP4C	X	-13.119	4.5
101	MP4C	Z	7.574	4.5
102	MP4C	Mx	0	4.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-17.604	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	.015	1.5
4	MP3A	X	-17.604	5
5	MP3A	Z	0	5
6	MP3A	Mx	.015	5
7	MP3B	X	-23.214	1.5
8	MP3B	Z	0	1.5
9	MP3B	Mx	-.023	1.5
10	MP3B	X	-23.214	5
11	MP3B	Z	0	5
12	MP3B	Mx	-.023	5
13	MP3C	X	-23.214	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	.004	1.5
16	MP3C	X	-23.214	5
17	MP3C	Z	0	5
18	MP3C	Mx	.004	5
19	MP3A	X	-17.604	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	.015	1.5
22	MP3A	X	-17.604	5
23	MP3A	Z	0	5
24	MP3A	Mx	.015	5
25	MP3B	X	-23.214	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	.004	1.5
28	MP3B	X	-23.214	5
29	MP3B	Z	0	5
30	MP3B	Mx	.004	5
31	MP3C	X	-23.214	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	-.023	1.5
34	MP3C	X	-23.214	5
35	MP3C	Z	0	5
36	MP3C	Mx	-.023	5
37	MP1A	X	-6.668	2
38	MP1A	Z	0	2
39	MP1A	Mx	.006	2
40	MP1A	X	-6.668	4.5
41	MP1A	Z	0	4.5
42	MP1A	Mx	.006	4.5
43	MP1B	X	-12.97	2
44	MP1B	Z	0	2
45	MP1B	Mx	-.005	2
46	MP1B	X	-12.97	4.5
47	MP1B	Z	0	4.5
48	MP1B	Mx	-.005	4.5
49	MP1C	X	-12.97	2
50	MP1C	Z	0	2
51	MP1C	Mx	-.005	2
52	MP1C	X	-12.97	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	-.005	4.5
55	M95A	X	-24.794	1
56	M95A	Z	0	1
57	M95A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-4.501	1
59	MP2A	Z	0	1
60	MP2A	Mx	-.002	1
61	MP2B	X	-6.849	1
62	MP2B	Z	0	1
63	MP2B	Mx	.002	1
64	MP2C	X	-6.849	1
65	MP2C	Z	0	1
66	MP2C	Mx	.002	1
67	MP3A	X	-9.218	2.5
68	MP3A	Z	0	2.5
69	MP3A	Mx	-.005	2.5
70	MP3B	X	-12.071	2.5
71	MP3B	Z	0	2.5
72	MP3B	Mx	.003	2.5
73	MP3C	X	-12.071	2.5
74	MP3C	Z	0	2.5
75	MP3C	Mx	.003	2.5
76	MP2A	X	-8.533	2.5
77	MP2A	Z	0	2.5
78	MP2A	Mx	-.004	2.5
79	MP2B	X	-11.9	2.5
80	MP2B	Z	0	2.5
81	MP2B	Mx	.003	2.5
82	MP2C	X	-11.9	2.5
83	MP2C	Z	0	2.5
84	MP2C	Mx	.003	2.5
85	MP4A	X	-8.955	1
86	MP4A	Z	0	1
87	MP4A	Mx	.007	1
88	MP4A	X	-8.955	4.5
89	MP4A	Z	0	4.5
90	MP4A	Mx	.007	4.5
91	MP4B	X	-13.6	1
92	MP4B	Z	0	1
93	MP4B	Mx	-.006	1
94	MP4B	X	-13.6	4.5
95	MP4B	Z	0	4.5
96	MP4B	Mx	-.006	4.5
97	MP4C	X	-13.6	1
98	MP4C	Z	0	1
99	MP4C	Mx	-.006	1
100	MP4C	X	-13.6	4.5
101	MP4C	Z	0	4.5
102	MP4C	Mx	-.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-16.865	1.5
2	MP3A	Z	-9.737	1.5
3	MP3A	Mx	.021	1.5
4	MP3A	X	-16.865	5
5	MP3A	Z	-9.737	5
6	MP3A	Mx	.021	5
7	MP3B	X	-21.723	1.5
8	MP3B	Z	-12.542	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	-.017	1.5
10	MP3B	X	-21.723	5
11	MP3B	Z	-12.542	5
12	MP3B	Mx	-.017	5
13	MP3C	X	-16.865	1.5
14	MP3C	Z	-9.737	1.5
15	MP3C	Mx	-.008	1.5
16	MP3C	X	-16.865	5
17	MP3C	Z	-9.737	5
18	MP3C	Mx	-.008	5
19	MP3A	X	-16.865	1.5
20	MP3A	Z	-9.737	1.5
21	MP3A	Mx	.008	1.5
22	MP3A	X	-16.865	5
23	MP3A	Z	-9.737	5
24	MP3A	Mx	.008	5
25	MP3B	X	-21.723	1.5
26	MP3B	Z	-12.542	1.5
27	MP3B	Mx	.017	1.5
28	MP3B	X	-21.723	5
29	MP3B	Z	-12.542	5
30	MP3B	Mx	.017	5
31	MP3C	X	-16.865	1.5
32	MP3C	Z	-9.737	1.5
33	MP3C	Mx	-.021	1.5
34	MP3C	X	-16.865	5
35	MP3C	Z	-9.737	5
36	MP3C	Mx	-.021	5
37	MP1A	X	-7.594	2
38	MP1A	Z	-4.384	2
39	MP1A	Mx	.006	2
40	MP1A	X	-7.594	4.5
41	MP1A	Z	-4.384	4.5
42	MP1A	Mx	.006	4.5
43	MP1B	X	-13.052	2
44	MP1B	Z	-7.536	2
45	MP1B	Mx	0	2
46	MP1B	X	-13.052	4.5
47	MP1B	Z	-7.536	4.5
48	MP1B	Mx	0	4.5
49	MP1C	X	-7.594	2
50	MP1C	Z	-4.384	2
51	MP1C	Mx	-.006	2
52	MP1C	X	-7.594	4.5
53	MP1C	Z	-4.384	4.5
54	MP1C	Mx	-.006	4.5
55	M95A	X	-22.664	1
56	M95A	Z	-13.085	1
57	M95A	Mx	0	1
58	MP2A	X	-4.576	1
59	MP2A	Z	-2.642	1
60	MP2A	Mx	-.002	1
61	MP2B	X	-6.609	1
62	MP2B	Z	-3.816	1
63	MP2B	Mx	0	1
64	MP2C	X	-4.576	1
65	MP2C	Z	-2.642	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2C	Mx	.002	1
67	MP3A	X	-8.806	2.5
68	MP3A	Z	-5.084	2.5
69	MP3A	Mx	-.004	2.5
70	MP3B	X	-11.277	2.5
71	MP3B	Z	-6.511	2.5
72	MP3B	Mx	0	2.5
73	MP3C	X	-8.806	2.5
74	MP3C	Z	-5.084	2.5
75	MP3C	Mx	.004	2.5
76	MP2A	X	-8.362	2.5
77	MP2A	Z	-4.828	2.5
78	MP2A	Mx	-.004	2.5
79	MP2B	X	-11.277	2.5
80	MP2B	Z	-6.511	2.5
81	MP2B	Mx	0	2.5
82	MP2C	X	-8.362	2.5
83	MP2C	Z	-4.828	2.5
84	MP2C	Mx	.004	2.5
85	MP4A	X	-9.096	1
86	MP4A	Z	-5.252	1
87	MP4A	Mx	.008	1
88	MP4A	X	-9.096	4.5
89	MP4A	Z	-5.252	4.5
90	MP4A	Mx	.008	4.5
91	MP4B	X	-13.119	1
92	MP4B	Z	-7.574	1
93	MP4B	Mx	0	1
94	MP4B	X	-13.119	4.5
95	MP4B	Z	-7.574	4.5
96	MP4B	Mx	0	4.5
97	MP4C	X	-9.096	1
98	MP4C	Z	-5.252	1
99	MP4C	Mx	-.008	1
100	MP4C	X	-9.096	4.5
101	MP4C	Z	-5.252	4.5
102	MP4C	Mx	-.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-11.607	1.5
2	MP3A	Z	-20.104	1.5
3	MP3A	Mx	.023	1.5
4	MP3A	X	-11.607	5
5	MP3A	Z	-20.104	5
6	MP3A	Mx	.023	5
7	MP3B	X	-11.607	1.5
8	MP3B	Z	-20.104	1.5
9	MP3B	Mx	-.004	1.5
10	MP3B	X	-11.607	5
11	MP3B	Z	-20.104	5
12	MP3B	Mx	-.004	5
13	MP3C	X	-8.802	1.5
14	MP3C	Z	-15.246	1.5
15	MP3C	Mx	-.015	1.5
16	MP3C	X	-8.802	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	-15.246	5
18	MP3C	Mx	-.015	5
19	MP3A	X	-11.607	1.5
20	MP3A	Z	-20.104	1.5
21	MP3A	Mx	-.004	1.5
22	MP3A	X	-11.607	5
23	MP3A	Z	-20.104	5
24	MP3A	Mx	-.004	5
25	MP3B	X	-11.607	1.5
26	MP3B	Z	-20.104	1.5
27	MP3B	Mx	.023	1.5
28	MP3B	X	-11.607	5
29	MP3B	Z	-20.104	5
30	MP3B	Mx	.023	5
31	MP3C	X	-8.802	1.5
32	MP3C	Z	-15.246	1.5
33	MP3C	Mx	-.015	1.5
34	MP3C	X	-8.802	5
35	MP3C	Z	-15.246	5
36	MP3C	Mx	-.015	5
37	MP1A	X	-6.485	2
38	MP1A	Z	-11.233	2
39	MP1A	Mx	.005	2
40	MP1A	X	-6.485	4.5
41	MP1A	Z	-11.233	4.5
42	MP1A	Mx	.005	4.5
43	MP1B	X	-6.485	2
44	MP1B	Z	-11.233	2
45	MP1B	Mx	.005	2
46	MP1B	X	-6.485	4.5
47	MP1B	Z	-11.233	4.5
48	MP1B	Mx	.005	4.5
49	MP1C	X	-3.334	2
50	MP1C	Z	-5.774	2
51	MP1C	Mx	-.006	2
52	MP1C	X	-3.334	4.5
53	MP1C	Z	-5.774	4.5
54	MP1C	Mx	-.006	4.5
55	M95A	X	-12.397	1
56	M95A	Z	-21.472	1
57	M95A	Mx	0	1
58	MP2A	X	-3.425	1
59	MP2A	Z	-5.932	1
60	MP2A	Mx	-.002	1
61	MP2B	X	-3.425	1
62	MP2B	Z	-5.932	1
63	MP2B	Mx	-.002	1
64	MP2C	X	-2.251	1
65	MP2C	Z	-3.898	1
66	MP2C	Mx	.002	1
67	MP3A	X	-6.035	2.5
68	MP3A	Z	-10.454	2.5
69	MP3A	Mx	-.003	2.5
70	MP3B	X	-6.035	2.5
71	MP3B	Z	-10.454	2.5
72	MP3B	Mx	-.003	2.5
73	MP3C	X	-4.609	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3C	Z	-7.983	2.5
75	MP3C	Mx	.005	2.5
76	MP2A	X	-5.95	2.5
77	MP2A	Z	-10.305	2.5
78	MP2A	Mx	-.003	2.5
79	MP2B	X	-5.95	2.5
80	MP2B	Z	-10.305	2.5
81	MP2B	Mx	-.003	2.5
82	MP2C	X	-4.267	2.5
83	MP2C	Z	-7.39	2.5
84	MP2C	Mx	.004	2.5
85	MP4A	X	-6.8	1
86	MP4A	Z	-11.778	1
87	MP4A	Mx	.006	1
88	MP4A	X	-6.8	4.5
89	MP4A	Z	-11.778	4.5
90	MP4A	Mx	.006	4.5
91	MP4B	X	-6.8	1
92	MP4B	Z	-11.778	1
93	MP4B	Mx	.006	1
94	MP4B	X	-6.8	4.5
95	MP4B	Z	-11.778	4.5
96	MP4B	Mx	.006	4.5
97	MP4C	X	-4.478	1
98	MP4C	Z	-7.755	1
99	MP4C	Mx	-.007	1
100	MP4C	X	-4.478	4.5
101	MP4C	Z	-7.755	4.5
102	MP4C	Mx	-.007	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5
2	MP3A	Z	-7.831	1.5
3	MP3A	Mx	.005	1.5
4	MP3A	X	0	5
5	MP3A	Z	-7.831	5
6	MP3A	Mx	.005	5
7	MP3B	X	0	1.5
8	MP3B	Z	-5.841	1.5
9	MP3B	Mx	.002	1.5
10	MP3B	X	0	5
11	MP3B	Z	-5.841	5
12	MP3B	Mx	.002	5
13	MP3C	X	0	1.5
14	MP3C	Z	-5.841	1.5
15	MP3C	Mx	-.006	1.5
16	MP3C	X	0	5
17	MP3C	Z	-5.841	5
18	MP3C	Mx	-.006	5
19	MP3A	X	0	1.5
20	MP3A	Z	-7.802	1.5
21	MP3A	Mx	-.005	1.5
22	MP3A	X	0	5
23	MP3A	Z	-7.802	5
24	MP3A	Mx	-.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	0	1.5
26	MP3B	Z	-5.833	1.5
27	MP3B	Mx	.006	1.5
28	MP3B	X	0	5
29	MP3B	Z	-5.833	5
30	MP3B	Mx	.006	5
31	MP3C	X	0	1.5
32	MP3C	Z	-5.833	1.5
33	MP3C	Mx	-.002	1.5
34	MP3C	X	0	5
35	MP3C	Z	-5.833	5
36	MP3C	Mx	-.002	5
37	MP1A	X	0	2
38	MP1A	Z	-4.555	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4.5
41	MP1A	Z	-4.555	4.5
42	MP1A	Mx	0	4.5
43	MP1B	X	0	2
44	MP1B	Z	-2.476	2
45	MP1B	Mx	.002	2
46	MP1B	X	0	4.5
47	MP1B	Z	-2.476	4.5
48	MP1B	Mx	.002	4.5
49	MP1C	X	0	2
50	MP1C	Z	-2.476	2
51	MP1C	Mx	-.002	2
52	MP1C	X	0	4.5
53	MP1C	Z	-2.476	4.5
54	MP1C	Mx	-.002	4.5
55	M95A	X	0	1
56	M95A	Z	-6.471	1
57	M95A	Mx	0	1
58	MP2A	X	0	1
59	MP2A	Z	-1.938	1
60	MP2A	Mx	0	1
61	MP2B	X	0	1
62	MP2B	Z	-1.213	1
63	MP2B	Mx	-.000525	1
64	MP2C	X	0	1
65	MP2C	Z	-1.213	1
66	MP2C	Mx	.000525	1
67	MP3A	X	0	2.5
68	MP3A	Z	-3.625	2.5
69	MP3A	Mx	0	2.5
70	MP3B	X	0	2.5
71	MP3B	Z	-2.723	2.5
72	MP3B	Mx	-.001	2.5
73	MP3C	X	0	2.5
74	MP3C	Z	-2.723	2.5
75	MP3C	Mx	.001	2.5
76	MP2A	X	0	2.5
77	MP2A	Z	-3.625	2.5
78	MP2A	Mx	0	2.5
79	MP2B	X	0	2.5
80	MP2B	Z	-2.56	2.5
81	MP2B	Mx	-.001	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP2C	X	0	2.5
83	MP2C	Z	-2.56	2.5
84	MP2C	Mx	.001	2.5
85	MP4A	X	0	1
86	MP4A	Z	-4.575	1
87	MP4A	Mx	0	1
88	MP4A	X	0	4.5
89	MP4A	Z	-4.575	4.5
90	MP4A	Mx	0	4.5
91	MP4B	X	0	1
92	MP4B	Z	-2.973	1
93	MP4B	Mx	.002	1
94	MP4B	X	0	4.5
95	MP4B	Z	-2.973	4.5
96	MP4B	Mx	.002	4.5
97	MP4C	X	0	1
98	MP4C	Z	-2.973	1
99	MP4C	Mx	-.002	1
100	MP4C	X	0	4.5
101	MP4C	Z	-2.973	4.5
102	MP4C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.584	1.5
2	MP3A	Z	-6.207	1.5
3	MP3A	Mx	.001	1.5
4	MP3A	X	3.584	5
5	MP3A	Z	-6.207	5
6	MP3A	Mx	.001	5
7	MP3B	X	2.589	1.5
8	MP3B	Z	-4.484	1.5
9	MP3B	Mx	.004	1.5
10	MP3B	X	2.589	5
11	MP3B	Z	-4.484	5
12	MP3B	Mx	.004	5
13	MP3C	X	3.584	1.5
14	MP3C	Z	-6.207	1.5
15	MP3C	Mx	-.007	1.5
16	MP3C	X	3.584	5
17	MP3C	Z	-6.207	5
18	MP3C	Mx	-.007	5
19	MP3A	X	3.573	1.5
20	MP3A	Z	-6.188	1.5
21	MP3A	Mx	-.007	1.5
22	MP3A	X	3.573	5
23	MP3A	Z	-6.188	5
24	MP3A	Mx	-.007	5
25	MP3B	X	2.589	1.5
26	MP3B	Z	-4.484	1.5
27	MP3B	Mx	.004	1.5
28	MP3B	X	2.589	5
29	MP3B	Z	-4.484	5
30	MP3B	Mx	.004	5
31	MP3C	X	3.573	1.5
32	MP3C	Z	-6.188	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	.001	1.5
34	MP3C	X	3.573	5
35	MP3C	Z	-6.188	5
36	MP3C	Mx	.001	5
37	MP1A	X	1.931	2
38	MP1A	Z	-3.345	2
39	MP1A	Mx	-.002	2
40	MP1A	X	1.931	4.5
41	MP1A	Z	-3.345	4.5
42	MP1A	Mx	-.002	4.5
43	MP1B	X	.892	2
44	MP1B	Z	-1.544	2
45	MP1B	Mx	.001	2
46	MP1B	X	.892	4.5
47	MP1B	Z	-1.544	4.5
48	MP1B	Mx	.001	4.5
49	MP1C	X	1.931	2
50	MP1C	Z	-3.345	2
51	MP1C	Mx	-.002	2
52	MP1C	X	1.931	4.5
53	MP1C	Z	-3.345	4.5
54	MP1C	Mx	-.002	4.5
55	M95A	X	3.002	1
56	M95A	Z	-5.2	1
57	M95A	Mx	0	1
58	MP2A	X	.848	1
59	MP2A	Z	-1.469	1
60	MP2A	Mx	.000424	1
61	MP2B	X	.486	1
62	MP2B	Z	-.841	1
63	MP2B	Mx	-.000486	1
64	MP2C	X	.848	1
65	MP2C	Z	-1.469	1
66	MP2C	Mx	.000424	1
67	MP3A	X	1.662	2.5
68	MP3A	Z	-2.879	2.5
69	MP3A	Mx	.000831	2.5
70	MP3B	X	1.211	2.5
71	MP3B	Z	-2.098	2.5
72	MP3B	Mx	-.001	2.5
73	MP3C	X	1.662	2.5
74	MP3C	Z	-2.879	2.5
75	MP3C	Mx	.000831	2.5
76	MP2A	X	1.635	2.5
77	MP2A	Z	-2.832	2.5
78	MP2A	Mx	.000818	2.5
79	MP2B	X	1.102	2.5
80	MP2B	Z	-1.91	2.5
81	MP2B	Mx	-.001	2.5
82	MP2C	X	1.635	2.5
83	MP2C	Z	-2.832	2.5
84	MP2C	Mx	.000818	2.5
85	MP4A	X	2.02	1
86	MP4A	Z	-3.499	1
87	MP4A	Mx	-.002	1
88	MP4A	X	2.02	4.5
89	MP4A	Z	-3.499	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP4A	Mx	-.002	4.5
91	MP4B	X	1.22	1
92	MP4B	Z	-2.113	1
93	MP4B	Mx	.002	1
94	MP4B	X	1.22	4.5
95	MP4B	Z	-2.113	4.5
96	MP4B	Mx	.002	4.5
97	MP4C	X	2.02	1
98	MP4C	Z	-3.499	1
99	MP4C	Mx	-.002	1
100	MP4C	X	2.02	4.5
101	MP4C	Z	-3.499	4.5
102	MP4C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	5.058	1.5
2	MP3A	Z	-2.92	1.5
3	MP3A	Mx	-.002	1.5
4	MP3A	X	5.058	5
5	MP3A	Z	-2.92	5
6	MP3A	Mx	-.002	5
7	MP3B	X	5.058	1.5
8	MP3B	Z	-2.92	1.5
9	MP3B	Mx	.006	1.5
10	MP3B	X	5.058	5
11	MP3B	Z	-2.92	5
12	MP3B	Mx	.006	5
13	MP3C	X	6.782	1.5
14	MP3C	Z	-3.916	1.5
15	MP3C	Mx	-.005	1.5
16	MP3C	X	6.782	5
17	MP3C	Z	-3.916	5
18	MP3C	Mx	-.005	5
19	MP3A	X	5.052	1.5
20	MP3A	Z	-2.917	1.5
21	MP3A	Mx	-.006	1.5
22	MP3A	X	5.052	5
23	MP3A	Z	-2.917	5
24	MP3A	Mx	-.006	5
25	MP3B	X	5.052	1.5
26	MP3B	Z	-2.917	1.5
27	MP3B	Mx	.002	1.5
28	MP3B	X	5.052	5
29	MP3B	Z	-2.917	5
30	MP3B	Mx	.002	5
31	MP3C	X	6.757	1.5
32	MP3C	Z	-3.901	1.5
33	MP3C	Mx	.005	1.5
34	MP3C	X	6.757	5
35	MP3C	Z	-3.901	5
36	MP3C	Mx	.005	5
37	MP1A	X	2.145	2
38	MP1A	Z	-1.238	2
39	MP1A	Mx	-.002	2
40	MP1A	X	2.145	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP1A	Z	-1.238	4.5
42	MP1A	Mx	-.002	4.5
43	MP1B	X	2.145	2
44	MP1B	Z	-1.238	2
45	MP1B	Mx	.002	2
46	MP1B	X	2.145	4.5
47	MP1B	Z	-1.238	4.5
48	MP1B	Mx	.002	4.5
49	MP1C	X	3.945	2
50	MP1C	Z	-2.278	2
51	MP1C	Mx	0	2
52	MP1C	X	3.945	4.5
53	MP1C	Z	-2.278	4.5
54	MP1C	Mx	0	4.5
55	M95A	X	5.604	1
56	M95A	Z	-3.235	1
57	M95A	Mx	0	1
58	MP2A	X	1.051	1
59	MP2A	Z	-.607	1
60	MP2A	Mx	.000525	1
61	MP2B	X	1.051	1
62	MP2B	Z	-.607	1
63	MP2B	Mx	-.000526	1
64	MP2C	X	1.679	1
65	MP2C	Z	-.969	1
66	MP2C	Mx	0	1
67	MP3A	X	2.359	2.5
68	MP3A	Z	-1.362	2.5
69	MP3A	Mx	.001	2.5
70	MP3B	X	2.359	2.5
71	MP3B	Z	-1.362	2.5
72	MP3B	Mx	-.001	2.5
73	MP3C	X	3.139	2.5
74	MP3C	Z	-1.812	2.5
75	MP3C	Mx	0	2.5
76	MP2A	X	2.217	2.5
77	MP2A	Z	-1.28	2.5
78	MP2A	Mx	.001	2.5
79	MP2B	X	2.217	2.5
80	MP2B	Z	-1.28	2.5
81	MP2B	Mx	-.001	2.5
82	MP2C	X	3.139	2.5
83	MP2C	Z	-1.812	2.5
84	MP2C	Mx	0	2.5
85	MP4A	X	2.575	1
86	MP4A	Z	-1.487	1
87	MP4A	Mx	-.002	1
88	MP4A	X	2.575	4.5
89	MP4A	Z	-1.487	4.5
90	MP4A	Mx	-.002	4.5
91	MP4B	X	2.575	1
92	MP4B	Z	-1.487	1
93	MP4B	Mx	.002	1
94	MP4B	X	2.575	4.5
95	MP4B	Z	-1.487	4.5
96	MP4B	Mx	.002	4.5
97	MP4C	X	3.962	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP4C	Z	-2.287	1
99	MP4C	Mx	0	1
100	MP4C	X	3.962	4.5
101	MP4C	Z	-2.287	4.5
102	MP4C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	5.177	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	-.004	1.5
4	MP3A	X	5.177	5
5	MP3A	Z	0	5
6	MP3A	Mx	-.004	5
7	MP3B	X	7.168	1.5
8	MP3B	Z	0	1.5
9	MP3B	Mx	.007	1.5
10	MP3B	X	7.168	5
11	MP3B	Z	0	5
12	MP3B	Mx	.007	5
13	MP3C	X	7.168	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	-.001	1.5
16	MP3C	X	7.168	5
17	MP3C	Z	0	5
18	MP3C	Mx	-.001	5
19	MP3A	X	5.177	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	-.004	1.5
22	MP3A	X	5.177	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.004	5
25	MP3B	X	7.146	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	-.001	1.5
28	MP3B	X	7.146	5
29	MP3B	Z	0	5
30	MP3B	Mx	-.001	5
31	MP3C	X	7.146	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	.007	1.5
34	MP3C	X	7.146	5
35	MP3C	Z	0	5
36	MP3C	Mx	.007	5
37	MP1A	X	1.783	2
38	MP1A	Z	0	2
39	MP1A	Mx	-.001	2
40	MP1A	X	1.783	4.5
41	MP1A	Z	0	4.5
42	MP1A	Mx	-.001	4.5
43	MP1B	X	3.862	2
44	MP1B	Z	0	2
45	MP1B	Mx	.002	2
46	MP1B	X	3.862	4.5
47	MP1B	Z	0	4.5
48	MP1B	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP1C	X	3.862	2
50	MP1C	Z	0	2
51	MP1C	Mx	.002	2
52	MP1C	X	3.862	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	.002	4.5
55	M95A	X	7.403	1
56	M95A	Z	0	1
57	M95A	Mx	0	1
58	MP2A	X	.971	1
59	MP2A	Z	0	1
60	MP2A	Mx	.000486	1
61	MP2B	X	1.697	1
62	MP2B	Z	0	1
63	MP2B	Mx	-.000424	1
64	MP2C	X	1.697	1
65	MP2C	Z	0	1
66	MP2C	Mx	-.000424	1
67	MP3A	X	2.423	2.5
68	MP3A	Z	0	2.5
69	MP3A	Mx	.001	2.5
70	MP3B	X	3.324	2.5
71	MP3B	Z	0	2.5
72	MP3B	Mx	-.000831	2.5
73	MP3C	X	3.324	2.5
74	MP3C	Z	0	2.5
75	MP3C	Mx	-.000831	2.5
76	MP2A	X	2.205	2.5
77	MP2A	Z	0	2.5
78	MP2A	Mx	.001	2.5
79	MP2B	X	3.27	2.5
80	MP2B	Z	0	2.5
81	MP2B	Mx	-.000818	2.5
82	MP2C	X	3.27	2.5
83	MP2C	Z	0	2.5
84	MP2C	Mx	-.000818	2.5
85	MP4A	X	2.439	1
86	MP4A	Z	0	1
87	MP4A	Mx	-.002	1
88	MP4A	X	2.439	4.5
89	MP4A	Z	0	4.5
90	MP4A	Mx	-.002	4.5
91	MP4B	X	4.041	1
92	MP4B	Z	0	1
93	MP4B	Mx	.002	1
94	MP4B	X	4.041	4.5
95	MP4B	Z	0	4.5
96	MP4B	Mx	.002	4.5
97	MP4C	X	4.041	1
98	MP4C	Z	0	1
99	MP4C	Mx	.002	1
100	MP4C	X	4.041	4.5
101	MP4C	Z	0	4.5
102	MP4C	Mx	.002	4.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	5.058	1.5
2	MP3A	Z	2.92	1.5
3	MP3A	Mx	-.006	1.5
4	MP3A	X	5.058	5
5	MP3A	Z	2.92	5
6	MP3A	Mx	-.006	5
7	MP3B	X	6.782	1.5
8	MP3B	Z	3.916	1.5
9	MP3B	Mx	.005	1.5
10	MP3B	X	6.782	5
11	MP3B	Z	3.916	5
12	MP3B	Mx	.005	5
13	MP3C	X	5.058	1.5
14	MP3C	Z	2.92	1.5
15	MP3C	Mx	.002	1.5
16	MP3C	X	5.058	5
17	MP3C	Z	2.92	5
18	MP3C	Mx	.002	5
19	MP3A	X	5.052	1.5
20	MP3A	Z	2.917	1.5
21	MP3A	Mx	-.002	1.5
22	MP3A	X	5.052	5
23	MP3A	Z	2.917	5
24	MP3A	Mx	-.002	5
25	MP3B	X	6.757	1.5
26	MP3B	Z	3.901	1.5
27	MP3B	Mx	-.005	1.5
28	MP3B	X	6.757	5
29	MP3B	Z	3.901	5
30	MP3B	Mx	-.005	5
31	MP3C	X	5.052	1.5
32	MP3C	Z	2.917	1.5
33	MP3C	Mx	.006	1.5
34	MP3C	X	5.052	5
35	MP3C	Z	2.917	5
36	MP3C	Mx	.006	5
37	MP1A	X	2.145	2
38	MP1A	Z	1.238	2
39	MP1A	Mx	-.002	2
40	MP1A	X	2.145	4.5
41	MP1A	Z	1.238	4.5
42	MP1A	Mx	-.002	4.5
43	MP1B	X	3.945	2
44	MP1B	Z	2.278	2
45	MP1B	Mx	0	2
46	MP1B	X	3.945	4.5
47	MP1B	Z	2.278	4.5
48	MP1B	Mx	0	4.5
49	MP1C	X	2.145	2
50	MP1C	Z	1.238	2
51	MP1C	Mx	.002	2
52	MP1C	X	2.145	4.5
53	MP1C	Z	1.238	4.5
54	MP1C	Mx	.002	4.5
55	M95A	X	6.816	1
56	M95A	Z	3.935	1
57	M95A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	1.051	1
59	MP2A	Z	.607	1
60	MP2A	Mx	.000525	1
61	MP2B	X	1.679	1
62	MP2B	Z	.969	1
63	MP2B	Mx	0	1
64	MP2C	X	1.051	1
65	MP2C	Z	.607	1
66	MP2C	Mx	-.000526	1
67	MP3A	X	2.359	2.5
68	MP3A	Z	1.362	2.5
69	MP3A	Mx	.001	2.5
70	MP3B	X	3.139	2.5
71	MP3B	Z	1.812	2.5
72	MP3B	Mx	0	2.5
73	MP3C	X	2.359	2.5
74	MP3C	Z	1.362	2.5
75	MP3C	Mx	-.001	2.5
76	MP2A	X	2.217	2.5
77	MP2A	Z	1.28	2.5
78	MP2A	Mx	.001	2.5
79	MP2B	X	3.139	2.5
80	MP2B	Z	1.812	2.5
81	MP2B	Mx	0	2.5
82	MP2C	X	2.217	2.5
83	MP2C	Z	1.28	2.5
84	MP2C	Mx	-.001	2.5
85	MP4A	X	2.575	1
86	MP4A	Z	1.487	1
87	MP4A	Mx	-.002	1
88	MP4A	X	2.575	4.5
89	MP4A	Z	1.487	4.5
90	MP4A	Mx	-.002	4.5
91	MP4B	X	3.962	1
92	MP4B	Z	2.287	1
93	MP4B	Mx	0	1
94	MP4B	X	3.962	4.5
95	MP4B	Z	2.287	4.5
96	MP4B	Mx	0	4.5
97	MP4C	X	2.575	1
98	MP4C	Z	1.487	1
99	MP4C	Mx	.002	1
100	MP4C	X	2.575	4.5
101	MP4C	Z	1.487	4.5
102	MP4C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.584	1.5
2	MP3A	Z	6.207	1.5
3	MP3A	Mx	-.007	1.5
4	MP3A	X	3.584	5
5	MP3A	Z	6.207	5
6	MP3A	Mx	-.007	5
7	MP3B	X	3.584	1.5
8	MP3B	Z	6.207	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.001	1.5
10	MP3B	X	3.584	5
11	MP3B	Z	6.207	5
12	MP3B	Mx	.001	5
13	MP3C	X	2.589	1.5
14	MP3C	Z	4.484	1.5
15	MP3C	Mx	.004	1.5
16	MP3C	X	2.589	5
17	MP3C	Z	4.484	5
18	MP3C	Mx	.004	5
19	MP3A	X	3.573	1.5
20	MP3A	Z	6.188	1.5
21	MP3A	Mx	.001	1.5
22	MP3A	X	3.573	5
23	MP3A	Z	6.188	5
24	MP3A	Mx	.001	5
25	MP3B	X	3.573	1.5
26	MP3B	Z	6.188	1.5
27	MP3B	Mx	-.007	1.5
28	MP3B	X	3.573	5
29	MP3B	Z	6.188	5
30	MP3B	Mx	-.007	5
31	MP3C	X	2.589	1.5
32	MP3C	Z	4.484	1.5
33	MP3C	Mx	.004	1.5
34	MP3C	X	2.589	5
35	MP3C	Z	4.484	5
36	MP3C	Mx	.004	5
37	MP1A	X	1.931	2
38	MP1A	Z	3.345	2
39	MP1A	Mx	-.002	2
40	MP1A	X	1.931	4.5
41	MP1A	Z	3.345	4.5
42	MP1A	Mx	-.002	4.5
43	MP1B	X	1.931	2
44	MP1B	Z	3.345	2
45	MP1B	Mx	-.002	2
46	MP1B	X	1.931	4.5
47	MP1B	Z	3.345	4.5
48	MP1B	Mx	-.002	4.5
49	MP1C	X	.892	2
50	MP1C	Z	1.544	2
51	MP1C	Mx	.001	2
52	MP1C	X	.892	4.5
53	MP1C	Z	1.544	4.5
54	MP1C	Mx	.001	4.5
55	M95A	X	3.702	1
56	M95A	Z	6.412	1
57	M95A	Mx	0	1
58	MP2A	X	.848	1
59	MP2A	Z	1.469	1
60	MP2A	Mx	.000424	1
61	MP2B	X	.848	1
62	MP2B	Z	1.469	1
63	MP2B	Mx	.000424	1
64	MP2C	X	.486	1
65	MP2C	Z	.841	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2C	Mx	-.000486	1
67	MP3A	X	1.662	2.5
68	MP3A	Z	2.879	2.5
69	MP3A	Mx	.000831	2.5
70	MP3B	X	1.662	2.5
71	MP3B	Z	2.879	2.5
72	MP3B	Mx	.000831	2.5
73	MP3C	X	1.211	2.5
74	MP3C	Z	2.098	2.5
75	MP3C	Mx	-.001	2.5
76	MP2A	X	1.635	2.5
77	MP2A	Z	2.832	2.5
78	MP2A	Mx	.000818	2.5
79	MP2B	X	1.635	2.5
80	MP2B	Z	2.832	2.5
81	MP2B	Mx	.000818	2.5
82	MP2C	X	1.102	2.5
83	MP2C	Z	1.91	2.5
84	MP2C	Mx	-.001	2.5
85	MP4A	X	2.02	1
86	MP4A	Z	3.499	1
87	MP4A	Mx	-.002	1
88	MP4A	X	2.02	4.5
89	MP4A	Z	3.499	4.5
90	MP4A	Mx	-.002	4.5
91	MP4B	X	2.02	1
92	MP4B	Z	3.499	1
93	MP4B	Mx	-.002	1
94	MP4B	X	2.02	4.5
95	MP4B	Z	3.499	4.5
96	MP4B	Mx	-.002	4.5
97	MP4C	X	1.22	1
98	MP4C	Z	2.113	1
99	MP4C	Mx	.002	1
100	MP4C	X	1.22	4.5
101	MP4C	Z	2.113	4.5
102	MP4C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5
2	MP3A	Z	7.831	1.5
3	MP3A	Mx	-.005	1.5
4	MP3A	X	0	5
5	MP3A	Z	7.831	5
6	MP3A	Mx	-.005	5
7	MP3B	X	0	1.5
8	MP3B	Z	5.841	1.5
9	MP3B	Mx	-.002	1.5
10	MP3B	X	0	5
11	MP3B	Z	5.841	5
12	MP3B	Mx	-.002	5
13	MP3C	X	0	1.5
14	MP3C	Z	5.841	1.5
15	MP3C	Mx	.006	1.5
16	MP3C	X	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	5.841	5
18	MP3C	Mx	.006	5
19	MP3A	X	0	1.5
20	MP3A	Z	7.802	1.5
21	MP3A	Mx	.005	1.5
22	MP3A	X	0	5
23	MP3A	Z	7.802	5
24	MP3A	Mx	.005	5
25	MP3B	X	0	1.5
26	MP3B	Z	5.833	1.5
27	MP3B	Mx	-.006	1.5
28	MP3B	X	0	5
29	MP3B	Z	5.833	5
30	MP3B	Mx	-.006	5
31	MP3C	X	0	1.5
32	MP3C	Z	5.833	1.5
33	MP3C	Mx	.002	1.5
34	MP3C	X	0	5
35	MP3C	Z	5.833	5
36	MP3C	Mx	.002	5
37	MP1A	X	0	2
38	MP1A	Z	4.555	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4.5
41	MP1A	Z	4.555	4.5
42	MP1A	Mx	0	4.5
43	MP1B	X	0	2
44	MP1B	Z	2.476	2
45	MP1B	Mx	-.002	2
46	MP1B	X	0	4.5
47	MP1B	Z	2.476	4.5
48	MP1B	Mx	-.002	4.5
49	MP1C	X	0	2
50	MP1C	Z	2.476	2
51	MP1C	Mx	.002	2
52	MP1C	X	0	4.5
53	MP1C	Z	2.476	4.5
54	MP1C	Mx	.002	4.5
55	M95A	X	0	1
56	M95A	Z	6.471	1
57	M95A	Mx	0	1
58	MP2A	X	0	1
59	MP2A	Z	1.938	1
60	MP2A	Mx	0	1
61	MP2B	X	0	1
62	MP2B	Z	1.213	1
63	MP2B	Mx	.000525	1
64	MP2C	X	0	1
65	MP2C	Z	1.213	1
66	MP2C	Mx	-.000525	1
67	MP3A	X	0	2.5
68	MP3A	Z	3.625	2.5
69	MP3A	Mx	0	2.5
70	MP3B	X	0	2.5
71	MP3B	Z	2.723	2.5
72	MP3B	Mx	.001	2.5
73	MP3C	X	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3C	Z	2.723	2.5
75	MP3C	Mx	-.001	2.5
76	MP2A	X	0	2.5
77	MP2A	Z	3.625	2.5
78	MP2A	Mx	0	2.5
79	MP2B	X	0	2.5
80	MP2B	Z	2.56	2.5
81	MP2B	Mx	.001	2.5
82	MP2C	X	0	2.5
83	MP2C	Z	2.56	2.5
84	MP2C	Mx	-.001	2.5
85	MP4A	X	0	1
86	MP4A	Z	4.575	1
87	MP4A	Mx	0	1
88	MP4A	X	0	4.5
89	MP4A	Z	4.575	4.5
90	MP4A	Mx	0	4.5
91	MP4B	X	0	1
92	MP4B	Z	2.973	1
93	MP4B	Mx	-.002	1
94	MP4B	X	0	4.5
95	MP4B	Z	2.973	4.5
96	MP4B	Mx	-.002	4.5
97	MP4C	X	0	1
98	MP4C	Z	2.973	1
99	MP4C	Mx	.002	1
100	MP4C	X	0	4.5
101	MP4C	Z	2.973	4.5
102	MP4C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.584	1.5
2	MP3A	Z	6.207	1.5
3	MP3A	Mx	-.001	1.5
4	MP3A	X	-3.584	5
5	MP3A	Z	6.207	5
6	MP3A	Mx	-.001	5
7	MP3B	X	-2.589	1.5
8	MP3B	Z	4.484	1.5
9	MP3B	Mx	-.004	1.5
10	MP3B	X	-2.589	5
11	MP3B	Z	4.484	5
12	MP3B	Mx	-.004	5
13	MP3C	X	-3.584	1.5
14	MP3C	Z	6.207	1.5
15	MP3C	Mx	.007	1.5
16	MP3C	X	-3.584	5
17	MP3C	Z	6.207	5
18	MP3C	Mx	.007	5
19	MP3A	X	-3.573	1.5
20	MP3A	Z	6.188	1.5
21	MP3A	Mx	.007	1.5
22	MP3A	X	-3.573	5
23	MP3A	Z	6.188	5
24	MP3A	Mx	.007	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	-2.589	1.5
26	MP3B	Z	4.484	1.5
27	MP3B	Mx	-.004	1.5
28	MP3B	X	-2.589	5
29	MP3B	Z	4.484	5
30	MP3B	Mx	-.004	5
31	MP3C	X	-3.573	1.5
32	MP3C	Z	6.188	1.5
33	MP3C	Mx	-.001	1.5
34	MP3C	X	-3.573	5
35	MP3C	Z	6.188	5
36	MP3C	Mx	-.001	5
37	MP1A	X	-1.931	2
38	MP1A	Z	3.345	2
39	MP1A	Mx	.002	2
40	MP1A	X	-1.931	4.5
41	MP1A	Z	3.345	4.5
42	MP1A	Mx	.002	4.5
43	MP1B	X	-.892	2
44	MP1B	Z	1.544	2
45	MP1B	Mx	-.001	2
46	MP1B	X	-.892	4.5
47	MP1B	Z	1.544	4.5
48	MP1B	Mx	-.001	4.5
49	MP1C	X	-1.931	2
50	MP1C	Z	3.345	2
51	MP1C	Mx	.002	2
52	MP1C	X	-1.931	4.5
53	MP1C	Z	3.345	4.5
54	MP1C	Mx	.002	4.5
55	M95A	X	-3.002	1
56	M95A	Z	5.2	1
57	M95A	Mx	0	1
58	MP2A	X	-.848	1
59	MP2A	Z	1.469	1
60	MP2A	Mx	-.000424	1
61	MP2B	X	-.486	1
62	MP2B	Z	.841	1
63	MP2B	Mx	.000486	1
64	MP2C	X	-.848	1
65	MP2C	Z	1.469	1
66	MP2C	Mx	-.000424	1
67	MP3A	X	-1.662	2.5
68	MP3A	Z	2.879	2.5
69	MP3A	Mx	-.000831	2.5
70	MP3B	X	-1.211	2.5
71	MP3B	Z	2.098	2.5
72	MP3B	Mx	.001	2.5
73	MP3C	X	-1.662	2.5
74	MP3C	Z	2.879	2.5
75	MP3C	Mx	-.000831	2.5
76	MP2A	X	-1.635	2.5
77	MP2A	Z	2.832	2.5
78	MP2A	Mx	-.000818	2.5
79	MP2B	X	-1.102	2.5
80	MP2B	Z	1.91	2.5
81	MP2B	Mx	.001	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP2C	X	-1.635	2.5
83	MP2C	Z	2.832	2.5
84	MP2C	Mx	-.000818	2.5
85	MP4A	X	-2.02	1
86	MP4A	Z	3.499	1
87	MP4A	Mx	.002	1
88	MP4A	X	-2.02	4.5
89	MP4A	Z	3.499	4.5
90	MP4A	Mx	.002	4.5
91	MP4B	X	-1.22	1
92	MP4B	Z	2.113	1
93	MP4B	Mx	-.002	1
94	MP4B	X	-1.22	4.5
95	MP4B	Z	2.113	4.5
96	MP4B	Mx	-.002	4.5
97	MP4C	X	-2.02	1
98	MP4C	Z	3.499	1
99	MP4C	Mx	.002	1
100	MP4C	X	-2.02	4.5
101	MP4C	Z	3.499	4.5
102	MP4C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-5.058	1.5
2	MP3A	Z	2.92	1.5
3	MP3A	Mx	.002	1.5
4	MP3A	X	-5.058	5
5	MP3A	Z	2.92	5
6	MP3A	Mx	.002	5
7	MP3B	X	-5.058	1.5
8	MP3B	Z	2.92	1.5
9	MP3B	Mx	-.006	1.5
10	MP3B	X	-5.058	5
11	MP3B	Z	2.92	5
12	MP3B	Mx	-.006	5
13	MP3C	X	-6.782	1.5
14	MP3C	Z	3.916	1.5
15	MP3C	Mx	.005	1.5
16	MP3C	X	-6.782	5
17	MP3C	Z	3.916	5
18	MP3C	Mx	.005	5
19	MP3A	X	-5.052	1.5
20	MP3A	Z	2.917	1.5
21	MP3A	Mx	.006	1.5
22	MP3A	X	-5.052	5
23	MP3A	Z	2.917	5
24	MP3A	Mx	.006	5
25	MP3B	X	-5.052	1.5
26	MP3B	Z	2.917	1.5
27	MP3B	Mx	-.002	1.5
28	MP3B	X	-5.052	5
29	MP3B	Z	2.917	5
30	MP3B	Mx	-.002	5
31	MP3C	X	-6.757	1.5
32	MP3C	Z	3.901	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	-.005	1.5
34	MP3C	X	-6.757	5
35	MP3C	Z	3.901	5
36	MP3C	Mx	-.005	5
37	MP1A	X	-2.145	2
38	MP1A	Z	1.238	2
39	MP1A	Mx	.002	2
40	MP1A	X	-2.145	4.5
41	MP1A	Z	1.238	4.5
42	MP1A	Mx	.002	4.5
43	MP1B	X	-2.145	2
44	MP1B	Z	1.238	2
45	MP1B	Mx	-.002	2
46	MP1B	X	-2.145	4.5
47	MP1B	Z	1.238	4.5
48	MP1B	Mx	-.002	4.5
49	MP1C	X	-3.945	2
50	MP1C	Z	2.278	2
51	MP1C	Mx	0	2
52	MP1C	X	-3.945	4.5
53	MP1C	Z	2.278	4.5
54	MP1C	Mx	0	4.5
55	M95A	X	-5.604	1
56	M95A	Z	3.235	1
57	M95A	Mx	0	1
58	MP2A	X	-1.051	1
59	MP2A	Z	.607	1
60	MP2A	Mx	-.000525	1
61	MP2B	X	-1.051	1
62	MP2B	Z	.607	1
63	MP2B	Mx	.000526	1
64	MP2C	X	-1.679	1
65	MP2C	Z	.969	1
66	MP2C	Mx	0	1
67	MP3A	X	-2.359	2.5
68	MP3A	Z	1.362	2.5
69	MP3A	Mx	-.001	2.5
70	MP3B	X	-2.359	2.5
71	MP3B	Z	1.362	2.5
72	MP3B	Mx	.001	2.5
73	MP3C	X	-3.139	2.5
74	MP3C	Z	1.812	2.5
75	MP3C	Mx	0	2.5
76	MP2A	X	-2.217	2.5
77	MP2A	Z	1.28	2.5
78	MP2A	Mx	-.001	2.5
79	MP2B	X	-2.217	2.5
80	MP2B	Z	1.28	2.5
81	MP2B	Mx	.001	2.5
82	MP2C	X	-3.139	2.5
83	MP2C	Z	1.812	2.5
84	MP2C	Mx	0	2.5
85	MP4A	X	-2.575	1
86	MP4A	Z	1.487	1
87	MP4A	Mx	.002	1
88	MP4A	X	-2.575	4.5
89	MP4A	Z	1.487	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP4A	Mx	.002	4.5
91	MP4B	X	-2.575	1
92	MP4B	Z	1.487	1
93	MP4B	Mx	-.002	1
94	MP4B	X	-2.575	4.5
95	MP4B	Z	1.487	4.5
96	MP4B	Mx	-.002	4.5
97	MP4C	X	-3.962	1
98	MP4C	Z	2.287	1
99	MP4C	Mx	0	1
100	MP4C	X	-3.962	4.5
101	MP4C	Z	2.287	4.5
102	MP4C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-5.177	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	.004	1.5
4	MP3A	X	-5.177	5
5	MP3A	Z	0	5
6	MP3A	Mx	.004	5
7	MP3B	X	-7.168	1.5
8	MP3B	Z	0	1.5
9	MP3B	Mx	-.007	1.5
10	MP3B	X	-7.168	5
11	MP3B	Z	0	5
12	MP3B	Mx	-.007	5
13	MP3C	X	-7.168	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	.001	1.5
16	MP3C	X	-7.168	5
17	MP3C	Z	0	5
18	MP3C	Mx	.001	5
19	MP3A	X	-5.177	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	.004	1.5
22	MP3A	X	-5.177	5
23	MP3A	Z	0	5
24	MP3A	Mx	.004	5
25	MP3B	X	-7.146	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	.001	1.5
28	MP3B	X	-7.146	5
29	MP3B	Z	0	5
30	MP3B	Mx	.001	5
31	MP3C	X	-7.146	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	-.007	1.5
34	MP3C	X	-7.146	5
35	MP3C	Z	0	5
36	MP3C	Mx	-.007	5
37	MP1A	X	-1.783	2
38	MP1A	Z	0	2
39	MP1A	Mx	.001	2
40	MP1A	X	-1.783	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP1A	Z	0	4.5
42	MP1A	Mx	.001	4.5
43	MP1B	X	-3.862	2
44	MP1B	Z	0	2
45	MP1B	Mx	-.002	2
46	MP1B	X	-3.862	4.5
47	MP1B	Z	0	4.5
48	MP1B	Mx	-.002	4.5
49	MP1C	X	-3.862	2
50	MP1C	Z	0	2
51	MP1C	Mx	-.002	2
52	MP1C	X	-3.862	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	-.002	4.5
55	M95A	X	-7.403	1
56	M95A	Z	0	1
57	M95A	Mx	0	1
58	MP2A	X	-.971	1
59	MP2A	Z	0	1
60	MP2A	Mx	-.000486	1
61	MP2B	X	-1.697	1
62	MP2B	Z	0	1
63	MP2B	Mx	.000424	1
64	MP2C	X	-1.697	1
65	MP2C	Z	0	1
66	MP2C	Mx	.000424	1
67	MP3A	X	-2.423	2.5
68	MP3A	Z	0	2.5
69	MP3A	Mx	-.001	2.5
70	MP3B	X	-3.324	2.5
71	MP3B	Z	0	2.5
72	MP3B	Mx	.000831	2.5
73	MP3C	X	-3.324	2.5
74	MP3C	Z	0	2.5
75	MP3C	Mx	.000831	2.5
76	MP2A	X	-2.205	2.5
77	MP2A	Z	0	2.5
78	MP2A	Mx	-.001	2.5
79	MP2B	X	-3.27	2.5
80	MP2B	Z	0	2.5
81	MP2B	Mx	.000818	2.5
82	MP2C	X	-3.27	2.5
83	MP2C	Z	0	2.5
84	MP2C	Mx	.000818	2.5
85	MP4A	X	-2.439	1
86	MP4A	Z	0	1
87	MP4A	Mx	.002	1
88	MP4A	X	-2.439	4.5
89	MP4A	Z	0	4.5
90	MP4A	Mx	.002	4.5
91	MP4B	X	-4.041	1
92	MP4B	Z	0	1
93	MP4B	Mx	-.002	1
94	MP4B	X	-4.041	4.5
95	MP4B	Z	0	4.5
96	MP4B	Mx	-.002	4.5
97	MP4C	X	-4.041	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP4C	Z	0	1
99	MP4C	Mx	-.002	1
100	MP4C	X	-4.041	4.5
101	MP4C	Z	0	4.5
102	MP4C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-5.058	1.5
2	MP3A	Z	-2.92	1.5
3	MP3A	Mx	.006	1.5
4	MP3A	X	-5.058	5
5	MP3A	Z	-2.92	5
6	MP3A	Mx	.006	5
7	MP3B	X	-6.782	1.5
8	MP3B	Z	-3.916	1.5
9	MP3B	Mx	-.005	1.5
10	MP3B	X	-6.782	5
11	MP3B	Z	-3.916	5
12	MP3B	Mx	-.005	5
13	MP3C	X	-5.058	1.5
14	MP3C	Z	-2.92	1.5
15	MP3C	Mx	-.002	1.5
16	MP3C	X	-5.058	5
17	MP3C	Z	-2.92	5
18	MP3C	Mx	-.002	5
19	MP3A	X	-5.052	1.5
20	MP3A	Z	-2.917	1.5
21	MP3A	Mx	.002	1.5
22	MP3A	X	-5.052	5
23	MP3A	Z	-2.917	5
24	MP3A	Mx	.002	5
25	MP3B	X	-6.757	1.5
26	MP3B	Z	-3.901	1.5
27	MP3B	Mx	.005	1.5
28	MP3B	X	-6.757	5
29	MP3B	Z	-3.901	5
30	MP3B	Mx	.005	5
31	MP3C	X	-5.052	1.5
32	MP3C	Z	-2.917	1.5
33	MP3C	Mx	-.006	1.5
34	MP3C	X	-5.052	5
35	MP3C	Z	-2.917	5
36	MP3C	Mx	-.006	5
37	MP1A	X	-2.145	2
38	MP1A	Z	-1.238	2
39	MP1A	Mx	.002	2
40	MP1A	X	-2.145	4.5
41	MP1A	Z	-1.238	4.5
42	MP1A	Mx	.002	4.5
43	MP1B	X	-3.945	2
44	MP1B	Z	-2.278	2
45	MP1B	Mx	0	2
46	MP1B	X	-3.945	4.5
47	MP1B	Z	-2.278	4.5
48	MP1B	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP1C	X	-2.145	2
50	MP1C	Z	-1.238	2
51	MP1C	Mx	-.002	2
52	MP1C	X	-2.145	4.5
53	MP1C	Z	-1.238	4.5
54	MP1C	Mx	-.002	4.5
55	M95A	X	-6.816	1
56	M95A	Z	-3.935	1
57	M95A	Mx	0	1
58	MP2A	X	-1.051	1
59	MP2A	Z	-.607	1
60	MP2A	Mx	-.000525	1
61	MP2B	X	-1.679	1
62	MP2B	Z	-.969	1
63	MP2B	Mx	0	1
64	MP2C	X	-1.051	1
65	MP2C	Z	-.607	1
66	MP2C	Mx	.000526	1
67	MP3A	X	-2.359	2.5
68	MP3A	Z	-1.362	2.5
69	MP3A	Mx	-.001	2.5
70	MP3B	X	-3.139	2.5
71	MP3B	Z	-1.812	2.5
72	MP3B	Mx	0	2.5
73	MP3C	X	-2.359	2.5
74	MP3C	Z	-1.362	2.5
75	MP3C	Mx	.001	2.5
76	MP2A	X	-2.217	2.5
77	MP2A	Z	-1.28	2.5
78	MP2A	Mx	-.001	2.5
79	MP2B	X	-3.139	2.5
80	MP2B	Z	-1.812	2.5
81	MP2B	Mx	0	2.5
82	MP2C	X	-2.217	2.5
83	MP2C	Z	-1.28	2.5
84	MP2C	Mx	.001	2.5
85	MP4A	X	-2.575	1
86	MP4A	Z	-1.487	1
87	MP4A	Mx	.002	1
88	MP4A	X	-2.575	4.5
89	MP4A	Z	-1.487	4.5
90	MP4A	Mx	.002	4.5
91	MP4B	X	-3.962	1
92	MP4B	Z	-2.287	1
93	MP4B	Mx	0	1
94	MP4B	X	-3.962	4.5
95	MP4B	Z	-2.287	4.5
96	MP4B	Mx	0	4.5
97	MP4C	X	-2.575	1
98	MP4C	Z	-1.487	1
99	MP4C	Mx	-.002	1
100	MP4C	X	-2.575	4.5
101	MP4C	Z	-1.487	4.5
102	MP4C	Mx	-.002	4.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.584	1.5
2	MP3A	Z	-6.207	1.5
3	MP3A	Mx	.007	1.5
4	MP3A	X	-3.584	5
5	MP3A	Z	-6.207	5
6	MP3A	Mx	.007	5
7	MP3B	X	-3.584	1.5
8	MP3B	Z	-6.207	1.5
9	MP3B	Mx	-.001	1.5
10	MP3B	X	-3.584	5
11	MP3B	Z	-6.207	5
12	MP3B	Mx	-.001	5
13	MP3C	X	-2.589	1.5
14	MP3C	Z	-4.484	1.5
15	MP3C	Mx	-.004	1.5
16	MP3C	X	-2.589	5
17	MP3C	Z	-4.484	5
18	MP3C	Mx	-.004	5
19	MP3A	X	-3.573	1.5
20	MP3A	Z	-6.188	1.5
21	MP3A	Mx	-.001	1.5
22	MP3A	X	-3.573	5
23	MP3A	Z	-6.188	5
24	MP3A	Mx	-.001	5
25	MP3B	X	-3.573	1.5
26	MP3B	Z	-6.188	1.5
27	MP3B	Mx	.007	1.5
28	MP3B	X	-3.573	5
29	MP3B	Z	-6.188	5
30	MP3B	Mx	.007	5
31	MP3C	X	-2.589	1.5
32	MP3C	Z	-4.484	1.5
33	MP3C	Mx	-.004	1.5
34	MP3C	X	-2.589	5
35	MP3C	Z	-4.484	5
36	MP3C	Mx	-.004	5
37	MP1A	X	-1.931	2
38	MP1A	Z	-3.345	2
39	MP1A	Mx	.002	2
40	MP1A	X	-1.931	4.5
41	MP1A	Z	-3.345	4.5
42	MP1A	Mx	.002	4.5
43	MP1B	X	-1.931	2
44	MP1B	Z	-3.345	2
45	MP1B	Mx	.002	2
46	MP1B	X	-1.931	4.5
47	MP1B	Z	-3.345	4.5
48	MP1B	Mx	.002	4.5
49	MP1C	X	-.892	2
50	MP1C	Z	-1.544	2
51	MP1C	Mx	-.001	2
52	MP1C	X	-.892	4.5
53	MP1C	Z	-1.544	4.5
54	MP1C	Mx	-.001	4.5
55	M95A	X	-3.702	1
56	M95A	Z	-6.412	1
57	M95A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-.848	1
59	MP2A	Z	-1.469	1
60	MP2A	Mx	-.000424	1
61	MP2B	X	-.848	1
62	MP2B	Z	-1.469	1
63	MP2B	Mx	-.000424	1
64	MP2C	X	-.486	1
65	MP2C	Z	-.841	1
66	MP2C	Mx	.000486	1
67	MP3A	X	-1.662	2.5
68	MP3A	Z	-2.879	2.5
69	MP3A	Mx	-.000831	2.5
70	MP3B	X	-1.662	2.5
71	MP3B	Z	-2.879	2.5
72	MP3B	Mx	-.000831	2.5
73	MP3C	X	-1.211	2.5
74	MP3C	Z	-2.098	2.5
75	MP3C	Mx	.001	2.5
76	MP2A	X	-1.635	2.5
77	MP2A	Z	-2.832	2.5
78	MP2A	Mx	-.000818	2.5
79	MP2B	X	-1.635	2.5
80	MP2B	Z	-2.832	2.5
81	MP2B	Mx	-.000818	2.5
82	MP2C	X	-1.102	2.5
83	MP2C	Z	-1.91	2.5
84	MP2C	Mx	.001	2.5
85	MP4A	X	-2.02	1
86	MP4A	Z	-3.499	1
87	MP4A	Mx	.002	1
88	MP4A	X	-2.02	4.5
89	MP4A	Z	-3.499	4.5
90	MP4A	Mx	.002	4.5
91	MP4B	X	-2.02	1
92	MP4B	Z	-3.499	1
93	MP4B	Mx	.002	1
94	MP4B	X	-2.02	4.5
95	MP4B	Z	-3.499	4.5
96	MP4B	Mx	.002	4.5
97	MP4C	X	-1.22	1
98	MP4C	Z	-2.113	1
99	MP4C	Mx	-.002	1
100	MP4C	X	-1.22	4.5
101	MP4C	Z	-2.113	4.5
102	MP4C	Mx	-.002	4.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M98B	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M100A	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 79 : Lv1) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M24	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M21	Y	-250	0

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	M4	Y	-12.118	-12.118	0	%100
2	M5	Y	-12.118	-12.118	0	%100
3	M10	Y	-12.118	-12.118	0	%100
4	M11	Y	-12.118	-12.118	0	%100
5	M16	Y	-12.118	-12.118	0	%100
6	M17	Y	-12.118	-12.118	0	%100
7	M21	Y	-10.597	-10.597	0	%100
8	M24	Y	-10.597	-10.597	0	%100
9	M27	Y	-10.597	-10.597	0	%100
10	M28	Y	-9.401	-9.401	0	%100
11	M29	Y	-9.401	-9.401	0	%100
12	M30	Y	-9.401	-9.401	0	%100
13	M31	Y	-9.401	-9.401	0	%100
14	M32	Y	-9.401	-9.401	0	%100
15	M33	Y	-9.401	-9.401	0	%100
16	M38	Y	-10.67	-10.67	0	%100
17	M39	Y	-10.67	-10.67	0	%100
18	M44	Y	-10.67	-10.67	0	%100
19	M45	Y	-10.67	-10.67	0	%100
20	M50	Y	-10.67	-10.67	0	%100
21	M51	Y	-10.67	-10.67	0	%100
22	M128	Y	-9.401	-9.401	0	%100
23	M129	Y	-9.401	-9.401	0	%100
24	M138	Y	-9.401	-9.401	0	%100
25	M141	Y	-9.401	-9.401	0	%100
26	M150	Y	-9.401	-9.401	0	%100
27	M153	Y	-9.401	-9.401	0	%100
28	M106	Y	-15.782	-15.782	0	%100
29	M106A	Y	-15.782	-15.782	0	%100
30	M107A	Y	-15.782	-15.782	0	%100
31	M94A	Y	-10.597	-10.597	0	%100
32	M95	Y	-10.597	-10.597	0	%100
33	M96A	Y	-10.597	-10.597	0	%100
34	M97	Y	-10.597	-10.597	0	%100
35	M98A	Y	-10.597	-10.597	0	%100
36	M99	Y	-10.597	-10.597	0	%100
37	MP1A	Y	-9.318	-9.318	0	%100
38	MP2A	Y	-8.294	-8.294	0	%100
39	MP3A	Y	-9.318	-9.318	0	%100
40	MP4A	Y	-8.294	-8.294	0	%100
41	MP1C	Y	-9.318	-9.318	0	%100
42	MP2C	Y	-8.294	-8.294	0	%100
43	MP3C	Y	-9.318	-9.318	0	%100
44	MP4C	Y	-8.294	-8.294	0	%100
45	MP1B	Y	-9.318	-9.318	0	%100
46	MP2B	Y	-8.294	-8.294	0	%100
47	MP3B	Y	-9.318	-9.318	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
48	MP4B	Y	-8.294	-8.294	0	%100
49	M95A	Y	-8.294	-8.294	0	%100
50	M100	Y	-9.318	-9.318	0	%100
51	M105	Y	-9.318	-9.318	0	%100
52	M110	Y	-9.318	-9.318	0	%100
53	M113	Y	-12.118	-12.118	0	%100
54	M116	Y	-12.118	-12.118	0	%100
55	M119	Y	-12.118	-12.118	0	%100
56	M123	Y	-10.67	-10.67	0	%100
57	M124A	Y	-10.67	-10.67	0	%100
58	M122	Y	-10.67	-10.67	0	%100
59	M123A	Y	-10.67	-10.67	0	%100
60	M124B	Y	-10.67	-10.67	0	%100
61	M125A	Y	-10.67	-10.67	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-5.902	-5.902	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	-6.405	-6.405	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	-5.902	-5.902	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	-6.405	-6.405	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	-8.466	-8.466	0	%100
15	M24	X	0	0	0	%100
16	M24	Z	-8.491	-8.491	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	-8.466	-8.466	0	%100
19	M28	X	0	0	0	%100
20	M28	Z	-8e-6	-8e-6	0	%100
21	M29	X	0	0	0	%100
22	M29	Z	-4.539	-4.539	0	%100
23	M30	X	0	0	0	%100
24	M30	Z	-4.551	-4.551	0	%100
25	M31	X	0	0	0	%100
26	M31	Z	-4.539	-4.539	0	%100
27	M32	X	0	0	0	%100
28	M32	Z	-8e-6	-8e-6	0	%100
29	M33	X	0	0	0	%100
30	M33	Z	-4.551	-4.551	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	0	0	0	%100
35	M44	X	0	0	0	%100
36	M44	Z	-7.401	-7.401	0	%100
37	M45	X	0	0	0	%100
38	M45	Z	-7.401	-7.401	0	%100
39	M50	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M50	Z	-7.401	-7.401	0	%100
41	M51	X	0	0	0	%100
42	M51	Z	-7.401	-7.401	0	%100
43	M128	X	0	0	0	%100
44	M128	Z	-6e-6	-6e-6	0	%100
45	M129	X	0	0	0	%100
46	M129	Z	-6e-6	-6e-6	0	%100
47	M138	X	0	0	0	%100
48	M138	Z	-3.693	-3.693	0	%100
49	M141	X	0	0	0	%100
50	M141	Z	-3.702	-3.702	0	%100
51	M150	X	0	0	0	%100
52	M150	Z	-3.702	-3.702	0	%100
53	M153	X	0	0	0	%100
54	M153	Z	-3.693	-3.693	0	%100
55	M106	X	0	0	0	%100
56	M106	Z	-4.422	-4.422	0	%100
57	M106A	X	0	0	0	%100
58	M106A	Z	-17.69	-17.69	0	%100
59	M107A	X	0	0	0	%100
60	M107A	Z	-4.422	-4.422	0	%100
61	M94A	X	0	0	0	%100
62	M94A	Z	-2.117	-2.117	0	%100
63	M95	X	0	0	0	%100
64	M95	Z	-2.123	-2.123	0	%100
65	M96A	X	0	0	0	%100
66	M96A	Z	-2.117	-2.117	0	%100
67	M97	X	0	0	0	%100
68	M97	Z	-2.117	-2.117	0	%100
69	M98A	X	0	0	0	%100
70	M98A	Z	-2.123	-2.123	0	%100
71	M99	X	0	0	0	%100
72	M99	Z	-2.117	-2.117	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	-8.476	-8.476	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	-7.002	-7.002	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	-8.476	-8.476	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-7.002	-7.002	0	%100
81	MP1C	X	0	0	0	%100
82	MP1C	Z	-8.476	-8.476	0	%100
83	MP2C	X	0	0	0	%100
84	MP2C	Z	-7.002	-7.002	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	-8.476	-8.476	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-7.002	-7.002	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	-8.476	-8.476	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	-7.002	-7.002	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	-8.476	-8.476	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-7.002	-7.002	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	M95A	X	0	0	0	%100
98	M95A	Z	-5.726	-5.726	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	-8.476	-8.476	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	-2.119	-2.119	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	-2.119	-2.119	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	-2.8	-2.8	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	-11.201	-11.201	0	%100
109	M119	X	0	0	0	%100
110	M119	Z	-2.8	-2.8	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-6.21	-6.21	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	-6.706	-6.706	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	-12.166	-12.166	0	%100
117	M123A	X	0	0	0	%100
118	M123A	Z	-3.737	-3.737	0	%100
119	M124B	X	0	0	0	%100
120	M124B	Z	-4.39	-4.39	0	%100
121	M125A	X	0	0	0	%100
122	M125A	Z	-11.969	-11.969	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	M4	X	.984	.984	0	%100
2	M4	Z	-1.704	-1.704	0	%100
3	M5	X	1.068	1.068	0	%100
4	M5	Z	-1.849	-1.849	0	%100
5	M10	X	.984	.984	0	%100
6	M10	Z	-1.704	-1.704	0	%100
7	M11	X	1.068	1.068	0	%100
8	M11	Z	-1.849	-1.849	0	%100
9	M16	X	3.935	3.935	0	%100
10	M16	Z	-6.815	-6.815	0	%100
11	M17	X	4.27	4.27	0	%100
12	M17	Z	-7.396	-7.396	0	%100
13	M21	X	3.175	3.175	0	%100
14	M21	Z	-5.499	-5.499	0	%100
15	M24	X	3.184	3.184	0	%100
16	M24	Z	-5.515	-5.515	0	%100
17	M27	X	3.175	3.175	0	%100
18	M27	Z	-5.499	-5.499	0	%100
19	M28	X	.76	.76	0	%100
20	M28	Z	-1.317	-1.317	0	%100
21	M29	X	.755	.755	0	%100
22	M29	Z	-1.307	-1.307	0	%100
23	M30	X	3.03	3.03	0	%100
24	M30	Z	-5.248	-5.248	0	%100
25	M31	X	3.03	3.03	0	%100
26	M31	Z	-5.248	-5.248	0	%100
27	M32	X	.755	.755	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M32	Z	-1.307	-1.307	0	%100
29	M33	X	.76	.76	0	%100
30	M33	Z	-1.317	-1.317	0	%100
31	M38	X	1.234	1.234	0	%100
32	M38	Z	-2.137	-2.137	0	%100
33	M39	X	1.234	1.234	0	%100
34	M39	Z	-2.137	-2.137	0	%100
35	M44	X	1.234	1.234	0	%100
36	M44	Z	-2.137	-2.137	0	%100
37	M45	X	1.234	1.234	0	%100
38	M45	Z	-2.137	-2.137	0	%100
39	M50	X	4.934	4.934	0	%100
40	M50	Z	-8.546	-8.546	0	%100
41	M51	X	4.934	4.934	0	%100
42	M51	Z	-8.546	-8.546	0	%100
43	M128	X	.619	.619	0	%100
44	M128	Z	-1.072	-1.072	0	%100
45	M129	X	.614	.614	0	%100
46	M129	Z	-1.063	-1.063	0	%100
47	M138	X	.614	.614	0	%100
48	M138	Z	-1.063	-1.063	0	%100
49	M141	X	.619	.619	0	%100
50	M141	Z	-1.072	-1.072	0	%100
51	M150	X	2.465	2.465	0	%100
52	M150	Z	-4.27	-4.27	0	%100
53	M153	X	2.465	2.465	0	%100
54	M153	Z	-4.27	-4.27	0	%100
55	M106	X	0	0	0	%100
56	M106	Z	0	0	0	%100
57	M106A	X	6.634	6.634	0	%100
58	M106A	Z	-11.49	-11.49	0	%100
59	M107A	X	6.634	6.634	0	%100
60	M107A	Z	-11.49	-11.49	0	%100
61	M94A	X	3.175	3.175	0	%100
62	M94A	Z	-5.499	-5.499	0	%100
63	M95	X	3.184	3.184	0	%100
64	M95	Z	-5.515	-5.515	0	%100
65	M96A	X	3.175	3.175	0	%100
66	M96A	Z	-5.499	-5.499	0	%100
67	M97	X	0	0	0	%100
68	M97	Z	0	0	0	%100
69	M98A	X	0	0	0	%100
70	M98A	Z	0	0	0	%100
71	M99	X	0	0	0	%100
72	M99	Z	0	0	0	%100
73	MP1A	X	4.238	4.238	0	%100
74	MP1A	Z	-7.341	-7.341	0	%100
75	MP2A	X	3.501	3.501	0	%100
76	MP2A	Z	-6.064	-6.064	0	%100
77	MP3A	X	4.238	4.238	0	%100
78	MP3A	Z	-7.341	-7.341	0	%100
79	MP4A	X	3.501	3.501	0	%100
80	MP4A	Z	-6.064	-6.064	0	%100
81	MP1C	X	4.238	4.238	0	%100
82	MP1C	Z	-7.341	-7.341	0	%100
83	MP2C	X	3.501	3.501	0	%100
84	MP2C	Z	-6.064	-6.064	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	MP3C	X	4.238	4.238	0	%100
86	MP3C	Z	-7.341	-7.341	0	%100
87	MP4C	X	3.501	3.501	0	%100
88	MP4C	Z	-6.064	-6.064	0	%100
89	MP1B	X	4.238	4.238	0	%100
90	MP1B	Z	-7.341	-7.341	0	%100
91	MP2B	X	3.501	3.501	0	%100
92	MP2B	Z	-6.064	-6.064	0	%100
93	MP3B	X	4.238	4.238	0	%100
94	MP3B	Z	-7.341	-7.341	0	%100
95	MP4B	X	3.501	3.501	0	%100
96	MP4B	Z	-6.064	-6.064	0	%100
97	M95A	X	2.863	2.863	0	%100
98	M95A	Z	-4.959	-4.959	0	%100
99	M100	X	3.179	3.179	0	%100
100	M100	Z	-5.506	-5.506	0	%100
101	M105	X	3.179	3.179	0	%100
102	M105	Z	-5.506	-5.506	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	M116	X	4.2	4.2	0	%100
108	M116	Z	-7.275	-7.275	0	%100
109	M119	X	4.2	4.2	0	%100
110	M119	Z	-7.275	-7.275	0	%100
111	M123	X	1.506	1.506	0	%100
112	M123	Z	-2.608	-2.608	0	%100
113	M124A	X	5.602	5.602	0	%100
114	M124A	Z	-9.703	-9.703	0	%100
115	M122	X	5.393	5.393	0	%100
116	M122	Z	-9.342	-9.342	0	%100
117	M123A	X	1.486	1.486	0	%100
118	M123A	Z	-2.574	-2.574	0	%100
119	M124B	X	4.484	4.484	0	%100
120	M124B	Z	-7.766	-7.766	0	%100
121	M125A	X	4.118	4.118	0	%100
122	M125A	Z	-7.132	-7.132	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	M4	X	5.112	5.112	0	%100
2	M4	Z	-2.951	-2.951	0	%100
3	M5	X	5.547	5.547	0	%100
4	M5	Z	-3.203	-3.203	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	5.112	5.112	0	%100
10	M16	Z	-2.951	-2.951	0	%100
11	M17	X	5.547	5.547	0	%100
12	M17	Z	-3.203	-3.203	0	%100
13	M21	X	1.833	1.833	0	%100
14	M21	Z	-1.058	-1.058	0	%100
15	M24	X	1.838	1.838	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M24	Z	-1.061	-1.061	0	%100
17	M27	X	1.833	1.833	0	%100
18	M27	Z	-1.058	-1.058	0	%100
19	M28	X	3.941	3.941	0	%100
20	M28	Z	-2.275	-2.275	0	%100
21	M29	X	7e-6	7e-6	0	%100
22	M29	Z	-4e-6	-4e-6	0	%100
23	M30	X	3.931	3.931	0	%100
24	M30	Z	-2.269	-2.269	0	%100
25	M31	X	3.941	3.941	0	%100
26	M31	Z	-2.275	-2.275	0	%100
27	M32	X	3.931	3.931	0	%100
28	M32	Z	-2.269	-2.269	0	%100
29	M33	X	7e-6	7e-6	0	%100
30	M33	Z	-4e-6	-4e-6	0	%100
31	M38	X	6.41	6.41	0	%100
32	M38	Z	-3.701	-3.701	0	%100
33	M39	X	6.41	6.41	0	%100
34	M39	Z	-3.701	-3.701	0	%100
35	M44	X	0	0	0	%100
36	M44	Z	0	0	0	%100
37	M45	X	0	0	0	%100
38	M45	Z	0	0	0	%100
39	M50	X	6.41	6.41	0	%100
40	M50	Z	-3.701	-3.701	0	%100
41	M51	X	6.41	6.41	0	%100
42	M51	Z	-3.701	-3.701	0	%100
43	M128	X	3.206	3.206	0	%100
44	M128	Z	-1.851	-1.851	0	%100
45	M129	X	3.198	3.198	0	%100
46	M129	Z	-1.846	-1.846	0	%100
47	M138	X	5e-6	5e-6	0	%100
48	M138	Z	-3e-6	-3e-6	0	%100
49	M141	X	5e-6	5e-6	0	%100
50	M141	Z	-3e-6	-3e-6	0	%100
51	M150	X	3.198	3.198	0	%100
52	M150	Z	-1.846	-1.846	0	%100
53	M153	X	3.206	3.206	0	%100
54	M153	Z	-1.851	-1.851	0	%100
55	M106	X	3.83	3.83	0	%100
56	M106	Z	-2.211	-2.211	0	%100
57	M106A	X	3.83	3.83	0	%100
58	M106A	Z	-2.211	-2.211	0	%100
59	M107A	X	15.32	15.32	0	%100
60	M107A	Z	-8.845	-8.845	0	%100
61	M94A	X	7.332	7.332	0	%100
62	M94A	Z	-4.233	-4.233	0	%100
63	M95	X	7.354	7.354	0	%100
64	M95	Z	-4.246	-4.246	0	%100
65	M96A	X	7.332	7.332	0	%100
66	M96A	Z	-4.233	-4.233	0	%100
67	M97	X	1.833	1.833	0	%100
68	M97	Z	-1.058	-1.058	0	%100
69	M98A	X	1.838	1.838	0	%100
70	M98A	Z	-1.061	-1.061	0	%100
71	M99	X	1.833	1.833	0	%100
72	M99	Z	-1.058	-1.058	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	MP1A	X	7.341	7.341	0	%100
74	MP1A	Z	-4.238	-4.238	0	%100
75	MP2A	X	6.064	6.064	0	%100
76	MP2A	Z	-3.501	-3.501	0	%100
77	MP3A	X	7.341	7.341	0	%100
78	MP3A	Z	-4.238	-4.238	0	%100
79	MP4A	X	6.064	6.064	0	%100
80	MP4A	Z	-3.501	-3.501	0	%100
81	MP1C	X	7.341	7.341	0	%100
82	MP1C	Z	-4.238	-4.238	0	%100
83	MP2C	X	6.064	6.064	0	%100
84	MP2C	Z	-3.501	-3.501	0	%100
85	MP3C	X	7.341	7.341	0	%100
86	MP3C	Z	-4.238	-4.238	0	%100
87	MP4C	X	6.064	6.064	0	%100
88	MP4C	Z	-3.501	-3.501	0	%100
89	MP1B	X	7.341	7.341	0	%100
90	MP1B	Z	-4.238	-4.238	0	%100
91	MP2B	X	6.064	6.064	0	%100
92	MP2B	Z	-3.501	-3.501	0	%100
93	MP3B	X	7.341	7.341	0	%100
94	MP3B	Z	-4.238	-4.238	0	%100
95	MP4B	X	6.064	6.064	0	%100
96	MP4B	Z	-3.501	-3.501	0	%100
97	M95A	X	4.959	4.959	0	%100
98	M95A	Z	-2.863	-2.863	0	%100
99	M100	X	1.835	1.835	0	%100
100	M100	Z	-1.06	-1.06	0	%100
101	M105	X	7.341	7.341	0	%100
102	M105	Z	-4.238	-4.238	0	%100
103	M110	X	1.835	1.835	0	%100
104	M110	Z	-1.06	-1.06	0	%100
105	M113	X	2.425	2.425	0	%100
106	M113	Z	-1.4	-1.4	0	%100
107	M116	X	2.425	2.425	0	%100
108	M116	Z	-1.4	-1.4	0	%100
109	M119	X	9.701	9.701	0	%100
110	M119	Z	-5.601	-5.601	0	%100
111	M123	X	3.802	3.802	0	%100
112	M123	Z	-2.195	-2.195	0	%100
113	M124A	X	10.366	10.366	0	%100
114	M124A	Z	-5.985	-5.985	0	%100
115	M122	X	5.378	5.378	0	%100
116	M122	Z	-3.105	-3.105	0	%100
117	M123A	X	5.807	5.807	0	%100
118	M123A	Z	-3.353	-3.353	0	%100
119	M124B	X	10.536	10.536	0	%100
120	M124B	Z	-6.083	-6.083	0	%100
121	M125A	X	3.236	3.236	0	%100
122	M125A	Z	-1.869	-1.869	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	M4	X	7.87	7.87	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	8.54	8.54	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M5	Z	0	0	0	%100
5	M10	X	1.967	1.967	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	2.135	2.135	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	1.967	1.967	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	2.135	2.135	0	%100
12	M17	Z	0	0	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	0	0	0	%100
15	M24	X	0	0	0	%100
16	M24	Z	0	0	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	6.06	6.06	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	1.521	1.521	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	1.509	1.509	0	%100
24	M30	Z	0	0	0	%100
25	M31	X	1.521	1.521	0	%100
26	M31	Z	0	0	0	%100
27	M32	X	6.06	6.06	0	%100
28	M32	Z	0	0	0	%100
29	M33	X	1.509	1.509	0	%100
30	M33	Z	0	0	0	%100
31	M38	X	9.869	9.869	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	9.869	9.869	0	%100
34	M39	Z	0	0	0	%100
35	M44	X	2.467	2.467	0	%100
36	M44	Z	0	0	0	%100
37	M45	X	2.467	2.467	0	%100
38	M45	Z	0	0	0	%100
39	M50	X	2.467	2.467	0	%100
40	M50	Z	0	0	0	%100
41	M51	X	2.467	2.467	0	%100
42	M51	Z	0	0	0	%100
43	M128	X	4.93	4.93	0	%100
44	M128	Z	0	0	0	%100
45	M129	X	4.93	4.93	0	%100
46	M129	Z	0	0	0	%100
47	M138	X	1.237	1.237	0	%100
48	M138	Z	0	0	0	%100
49	M141	X	1.228	1.228	0	%100
50	M141	Z	0	0	0	%100
51	M150	X	1.228	1.228	0	%100
52	M150	Z	0	0	0	%100
53	M153	X	1.237	1.237	0	%100
54	M153	Z	0	0	0	%100
55	M106	X	13.267	13.267	0	%100
56	M106	Z	0	0	0	%100
57	M106A	X	0	0	0	%100
58	M106A	Z	0	0	0	%100
59	M107A	X	13.267	13.267	0	%100
60	M107A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M94A	X	6.35	6.35	0	%100
62	M94A	Z	0	0	0	%100
63	M95	X	6.368	6.368	0	%100
64	M95	Z	0	0	0	%100
65	M96A	X	6.35	6.35	0	%100
66	M96A	Z	0	0	0	%100
67	M97	X	6.35	6.35	0	%100
68	M97	Z	0	0	0	%100
69	M98A	X	6.368	6.368	0	%100
70	M98A	Z	0	0	0	%100
71	M99	X	6.35	6.35	0	%100
72	M99	Z	0	0	0	%100
73	MP1A	X	8.476	8.476	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	7.002	7.002	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	8.476	8.476	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	7.002	7.002	0	%100
80	MP4A	Z	0	0	0	%100
81	MP1C	X	8.476	8.476	0	%100
82	MP1C	Z	0	0	0	%100
83	MP2C	X	7.002	7.002	0	%100
84	MP2C	Z	0	0	0	%100
85	MP3C	X	8.476	8.476	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	7.002	7.002	0	%100
88	MP4C	Z	0	0	0	%100
89	MP1B	X	8.476	8.476	0	%100
90	MP1B	Z	0	0	0	%100
91	MP2B	X	7.002	7.002	0	%100
92	MP2B	Z	0	0	0	%100
93	MP3B	X	8.476	8.476	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	7.002	7.002	0	%100
96	MP4B	Z	0	0	0	%100
97	M95A	X	5.726	5.726	0	%100
98	M95A	Z	0	0	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	0	0	0	%100
101	M105	X	6.357	6.357	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	6.357	6.357	0	%100
104	M110	Z	0	0	0	%100
105	M113	X	8.401	8.401	0	%100
106	M113	Z	0	0	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	0	0	0	%100
109	M119	X	8.401	8.401	0	%100
110	M119	Z	0	0	0	%100
111	M123	X	8.967	8.967	0	%100
112	M123	Z	0	0	0	%100
113	M124A	X	8.236	8.236	0	%100
114	M124A	Z	0	0	0	%100
115	M122	X	3.012	3.012	0	%100
116	M122	Z	0	0	0	%100
117	M123A	X	11.204	11.204	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
118	M123A	Z	0	0	0	%100
119	M124B	X	10.787	10.787	0	%100
120	M124B	Z	0	0	0	%100
121	M125A	X	2.972	2.972	0	%100
122	M125A	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	M4	X	5.112	5.112	0	%100
2	M4	Z	2.951	2.951	0	%100
3	M5	X	5.547	5.547	0	%100
4	M5	Z	3.203	3.203	0	%100
5	M10	X	5.112	5.112	0	%100
6	M10	Z	2.951	2.951	0	%100
7	M11	X	5.547	5.547	0	%100
8	M11	Z	3.203	3.203	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M21	X	1.833	1.833	0	%100
14	M21	Z	1.058	1.058	0	%100
15	M24	X	1.838	1.838	0	%100
16	M24	Z	1.061	1.061	0	%100
17	M27	X	1.833	1.833	0	%100
18	M27	Z	1.058	1.058	0	%100
19	M28	X	3.931	3.931	0	%100
20	M28	Z	2.269	2.269	0	%100
21	M29	X	3.941	3.941	0	%100
22	M29	Z	2.275	2.275	0	%100
23	M30	X	7e-6	7e-6	0	%100
24	M30	Z	4e-6	4e-6	0	%100
25	M31	X	7e-6	7e-6	0	%100
26	M31	Z	4e-6	4e-6	0	%100
27	M32	X	3.941	3.941	0	%100
28	M32	Z	2.275	2.275	0	%100
29	M33	X	3.931	3.931	0	%100
30	M33	Z	2.269	2.269	0	%100
31	M38	X	6.41	6.41	0	%100
32	M38	Z	3.701	3.701	0	%100
33	M39	X	6.41	6.41	0	%100
34	M39	Z	3.701	3.701	0	%100
35	M44	X	6.41	6.41	0	%100
36	M44	Z	3.701	3.701	0	%100
37	M45	X	6.41	6.41	0	%100
38	M45	Z	3.701	3.701	0	%100
39	M50	X	0	0	0	%100
40	M50	Z	0	0	0	%100
41	M51	X	0	0	0	%100
42	M51	Z	0	0	0	%100
43	M128	X	3.198	3.198	0	%100
44	M128	Z	1.846	1.846	0	%100
45	M129	X	3.206	3.206	0	%100
46	M129	Z	1.851	1.851	0	%100
47	M138	X	3.206	3.206	0	%100
48	M138	Z	1.851	1.851	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	M141	X	3.198	3.198	0	%100
50	M141	Z	1.846	1.846	0	%100
51	M150	X	5e-6	5e-6	0	%100
52	M150	Z	3e-6	3e-6	0	%100
53	M153	X	5e-6	5e-6	0	%100
54	M153	Z	3e-6	3e-6	0	%100
55	M106	X	15.32	15.32	0	%100
56	M106	Z	8.845	8.845	0	%100
57	M106A	X	3.83	3.83	0	%100
58	M106A	Z	2.211	2.211	0	%100
59	M107A	X	3.83	3.83	0	%100
60	M107A	Z	2.211	2.211	0	%100
61	M94A	X	1.833	1.833	0	%100
62	M94A	Z	1.058	1.058	0	%100
63	M95	X	1.838	1.838	0	%100
64	M95	Z	1.061	1.061	0	%100
65	M96A	X	1.833	1.833	0	%100
66	M96A	Z	1.058	1.058	0	%100
67	M97	X	7.332	7.332	0	%100
68	M97	Z	4.233	4.233	0	%100
69	M98A	X	7.354	7.354	0	%100
70	M98A	Z	4.246	4.246	0	%100
71	M99	X	7.332	7.332	0	%100
72	M99	Z	4.233	4.233	0	%100
73	MP1A	X	7.341	7.341	0	%100
74	MP1A	Z	4.238	4.238	0	%100
75	MP2A	X	6.064	6.064	0	%100
76	MP2A	Z	3.501	3.501	0	%100
77	MP3A	X	7.341	7.341	0	%100
78	MP3A	Z	4.238	4.238	0	%100
79	MP4A	X	6.064	6.064	0	%100
80	MP4A	Z	3.501	3.501	0	%100
81	MP1C	X	7.341	7.341	0	%100
82	MP1C	Z	4.238	4.238	0	%100
83	MP2C	X	6.064	6.064	0	%100
84	MP2C	Z	3.501	3.501	0	%100
85	MP3C	X	7.341	7.341	0	%100
86	MP3C	Z	4.238	4.238	0	%100
87	MP4C	X	6.064	6.064	0	%100
88	MP4C	Z	3.501	3.501	0	%100
89	MP1B	X	7.341	7.341	0	%100
90	MP1B	Z	4.238	4.238	0	%100
91	MP2B	X	6.064	6.064	0	%100
92	MP2B	Z	3.501	3.501	0	%100
93	MP3B	X	7.341	7.341	0	%100
94	MP3B	Z	4.238	4.238	0	%100
95	MP4B	X	6.064	6.064	0	%100
96	MP4B	Z	3.501	3.501	0	%100
97	M95A	X	4.959	4.959	0	%100
98	M95A	Z	2.863	2.863	0	%100
99	M100	X	1.835	1.835	0	%100
100	M100	Z	1.06	1.06	0	%100
101	M105	X	1.835	1.835	0	%100
102	M105	Z	1.06	1.06	0	%100
103	M110	X	7.341	7.341	0	%100
104	M110	Z	4.238	4.238	0	%100
105	M113	X	9.701	9.701	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
106	M113	Z	5.601	5.601	0	%100
107	M116	X	2.425	2.425	0	%100
108	M116	Z	1.4	1.4	0	%100
109	M119	X	2.425	2.425	0	%100
110	M119	Z	1.4	1.4	0	%100
111	M123	X	10.536	10.536	0	%100
112	M123	Z	6.083	6.083	0	%100
113	M124A	X	3.236	3.236	0	%100
114	M124A	Z	1.869	1.869	0	%100
115	M122	X	3.802	3.802	0	%100
116	M122	Z	2.195	2.195	0	%100
117	M123A	X	10.366	10.366	0	%100
118	M123A	Z	5.985	5.985	0	%100
119	M124B	X	5.378	5.378	0	%100
120	M124B	Z	3.105	3.105	0	%100
121	M125A	X	5.807	5.807	0	%100
122	M125A	Z	3.353	3.353	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	M4	X	.984	.984	0	%100
2	M4	Z	1.704	1.704	0	%100
3	M5	X	1.068	1.068	0	%100
4	M5	Z	1.849	1.849	0	%100
5	M10	X	3.935	3.935	0	%100
6	M10	Z	6.815	6.815	0	%100
7	M11	X	4.27	4.27	0	%100
8	M11	Z	7.396	7.396	0	%100
9	M16	X	.984	.984	0	%100
10	M16	Z	1.704	1.704	0	%100
11	M17	X	1.068	1.068	0	%100
12	M17	Z	1.849	1.849	0	%100
13	M21	X	3.175	3.175	0	%100
14	M21	Z	5.499	5.499	0	%100
15	M24	X	3.184	3.184	0	%100
16	M24	Z	5.515	5.515	0	%100
17	M27	X	3.175	3.175	0	%100
18	M27	Z	5.499	5.499	0	%100
19	M28	X	.755	.755	0	%100
20	M28	Z	1.307	1.307	0	%100
21	M29	X	3.03	3.03	0	%100
22	M29	Z	5.248	5.248	0	%100
23	M30	X	.76	.76	0	%100
24	M30	Z	1.317	1.317	0	%100
25	M31	X	.755	.755	0	%100
26	M31	Z	1.307	1.307	0	%100
27	M32	X	.76	.76	0	%100
28	M32	Z	1.317	1.317	0	%100
29	M33	X	3.03	3.03	0	%100
30	M33	Z	5.248	5.248	0	%100
31	M38	X	1.234	1.234	0	%100
32	M38	Z	2.137	2.137	0	%100
33	M39	X	1.234	1.234	0	%100
34	M39	Z	2.137	2.137	0	%100
35	M44	X	4.934	4.934	0	%100
36	M44	Z	8.546	8.546	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M45	X	4.934	4.934	0	%100
38	M45	Z	8.546	8.546	0	%100
39	M50	X	1.234	1.234	0	%100
40	M50	Z	2.137	2.137	0	%100
41	M51	X	1.234	1.234	0	%100
42	M51	Z	2.137	2.137	0	%100
43	M128	X	.614	.614	0	%100
44	M128	Z	1.063	1.063	0	%100
45	M129	X	.619	.619	0	%100
46	M129	Z	1.072	1.072	0	%100
47	M138	X	2.465	2.465	0	%100
48	M138	Z	4.27	4.27	0	%100
49	M141	X	2.465	2.465	0	%100
50	M141	Z	4.27	4.27	0	%100
51	M150	X	.619	.619	0	%100
52	M150	Z	1.072	1.072	0	%100
53	M153	X	.614	.614	0	%100
54	M153	Z	1.063	1.063	0	%100
55	M106	X	6.634	6.634	0	%100
56	M106	Z	11.49	11.49	0	%100
57	M106A	X	6.634	6.634	0	%100
58	M106A	Z	11.49	11.49	0	%100
59	M107A	X	0	0	0	%100
60	M107A	Z	0	0	0	%100
61	M94A	X	0	0	0	%100
62	M94A	Z	0	0	0	%100
63	M95	X	0	0	0	%100
64	M95	Z	0	0	0	%100
65	M96A	X	0	0	0	%100
66	M96A	Z	0	0	0	%100
67	M97	X	3.175	3.175	0	%100
68	M97	Z	5.499	5.499	0	%100
69	M98A	X	3.184	3.184	0	%100
70	M98A	Z	5.515	5.515	0	%100
71	M99	X	3.175	3.175	0	%100
72	M99	Z	5.499	5.499	0	%100
73	MP1A	X	4.238	4.238	0	%100
74	MP1A	Z	7.341	7.341	0	%100
75	MP2A	X	3.501	3.501	0	%100
76	MP2A	Z	6.064	6.064	0	%100
77	MP3A	X	4.238	4.238	0	%100
78	MP3A	Z	7.341	7.341	0	%100
79	MP4A	X	3.501	3.501	0	%100
80	MP4A	Z	6.064	6.064	0	%100
81	MP1C	X	4.238	4.238	0	%100
82	MP1C	Z	7.341	7.341	0	%100
83	MP2C	X	3.501	3.501	0	%100
84	MP2C	Z	6.064	6.064	0	%100
85	MP3C	X	4.238	4.238	0	%100
86	MP3C	Z	7.341	7.341	0	%100
87	MP4C	X	3.501	3.501	0	%100
88	MP4C	Z	6.064	6.064	0	%100
89	MP1B	X	4.238	4.238	0	%100
90	MP1B	Z	7.341	7.341	0	%100
91	MP2B	X	3.501	3.501	0	%100
92	MP2B	Z	6.064	6.064	0	%100
93	MP3B	X	4.238	4.238	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
94	MP3B	Z	7.341	7.341	0	%100
95	MP4B	X	3.501	3.501	0	%100
96	MP4B	Z	6.064	6.064	0	%100
97	M95A	X	2.863	2.863	0	%100
98	M95A	Z	4.959	4.959	0	%100
99	M100	X	3.179	3.179	0	%100
100	M100	Z	5.506	5.506	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	3.179	3.179	0	%100
104	M110	Z	5.506	5.506	0	%100
105	M113	X	4.2	4.2	0	%100
106	M113	Z	7.275	7.275	0	%100
107	M116	X	4.2	4.2	0	%100
108	M116	Z	7.275	7.275	0	%100
109	M119	X	0	0	0	%100
110	M119	Z	0	0	0	%100
111	M123	X	5.393	5.393	0	%100
112	M123	Z	9.342	9.342	0	%100
113	M124A	X	1.486	1.486	0	%100
114	M124A	Z	2.574	2.574	0	%100
115	M122	X	4.484	4.484	0	%100
116	M122	Z	7.766	7.766	0	%100
117	M123A	X	4.118	4.118	0	%100
118	M123A	Z	7.132	7.132	0	%100
119	M124B	X	1.506	1.506	0	%100
120	M124B	Z	2.608	2.608	0	%100
121	M125A	X	5.602	5.602	0	%100
122	M125A	Z	9.703	9.703	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	5.902	5.902	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	6.405	6.405	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	5.902	5.902	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	6.405	6.405	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	8.466	8.466	0	%100
15	M24	X	0	0	0	%100
16	M24	Z	8.491	8.491	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	8.466	8.466	0	%100
19	M28	X	0	0	0	%100
20	M28	Z	8e-6	8e-6	0	%100
21	M29	X	0	0	0	%100
22	M29	Z	4.539	4.539	0	%100
23	M30	X	0	0	0	%100
24	M30	Z	4.551	4.551	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M31	X	0	0	0	%100
26	M31	Z	4.539	4.539	0	%100
27	M32	X	0	0	0	%100
28	M32	Z	8e-6	8e-6	0	%100
29	M33	X	0	0	0	%100
30	M33	Z	4.551	4.551	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	0	0	0	%100
35	M44	X	0	0	0	%100
36	M44	Z	7.401	7.401	0	%100
37	M45	X	0	0	0	%100
38	M45	Z	7.401	7.401	0	%100
39	M50	X	0	0	0	%100
40	M50	Z	7.401	7.401	0	%100
41	M51	X	0	0	0	%100
42	M51	Z	7.401	7.401	0	%100
43	M128	X	0	0	0	%100
44	M128	Z	6e-6	6e-6	0	%100
45	M129	X	0	0	0	%100
46	M129	Z	6e-6	6e-6	0	%100
47	M138	X	0	0	0	%100
48	M138	Z	3.693	3.693	0	%100
49	M141	X	0	0	0	%100
50	M141	Z	3.702	3.702	0	%100
51	M150	X	0	0	0	%100
52	M150	Z	3.702	3.702	0	%100
53	M153	X	0	0	0	%100
54	M153	Z	3.693	3.693	0	%100
55	M106	X	0	0	0	%100
56	M106	Z	4.422	4.422	0	%100
57	M106A	X	0	0	0	%100
58	M106A	Z	17.69	17.69	0	%100
59	M107A	X	0	0	0	%100
60	M107A	Z	4.422	4.422	0	%100
61	M94A	X	0	0	0	%100
62	M94A	Z	2.117	2.117	0	%100
63	M95	X	0	0	0	%100
64	M95	Z	2.123	2.123	0	%100
65	M96A	X	0	0	0	%100
66	M96A	Z	2.117	2.117	0	%100
67	M97	X	0	0	0	%100
68	M97	Z	2.117	2.117	0	%100
69	M98A	X	0	0	0	%100
70	M98A	Z	2.123	2.123	0	%100
71	M99	X	0	0	0	%100
72	M99	Z	2.117	2.117	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	8.476	8.476	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	7.002	7.002	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	8.476	8.476	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	7.002	7.002	0	%100
81	MP1C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
82	MP1C	Z	8.476	8.476	0	%100
83	MP2C	X	0	0	0	%100
84	MP2C	Z	7.002	7.002	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	8.476	8.476	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	7.002	7.002	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	8.476	8.476	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	7.002	7.002	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	8.476	8.476	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	7.002	7.002	0	%100
97	M95A	X	0	0	0	%100
98	M95A	Z	5.726	5.726	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	8.476	8.476	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	2.119	2.119	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	2.119	2.119	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	2.8	2.8	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	11.201	11.201	0	%100
109	M119	X	0	0	0	%100
110	M119	Z	2.8	2.8	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	6.21	6.21	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	6.706	6.706	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	12.166	12.166	0	%100
117	M123A	X	0	0	0	%100
118	M123A	Z	3.737	3.737	0	%100
119	M124B	X	0	0	0	%100
120	M124B	Z	4.39	4.39	0	%100
121	M125A	X	0	0	0	%100
122	M125A	Z	11.969	11.969	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	M4	X	-.984	-.984	0	%100
2	M4	Z	1.704	1.704	0	%100
3	M5	X	-1.068	-1.068	0	%100
4	M5	Z	1.849	1.849	0	%100
5	M10	X	-.984	-.984	0	%100
6	M10	Z	1.704	1.704	0	%100
7	M11	X	-1.068	-1.068	0	%100
8	M11	Z	1.849	1.849	0	%100
9	M16	X	-3.935	-3.935	0	%100
10	M16	Z	6.815	6.815	0	%100
11	M17	X	-4.27	-4.27	0	%100
12	M17	Z	7.396	7.396	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M21	X	-3.175	-3.175	0	%100
14	M21	Z	5.499	5.499	0	%100
15	M24	X	-3.184	-3.184	0	%100
16	M24	Z	5.515	5.515	0	%100
17	M27	X	-3.175	-3.175	0	%100
18	M27	Z	5.499	5.499	0	%100
19	M28	X	-.76	-.76	0	%100
20	M28	Z	1.317	1.317	0	%100
21	M29	X	-.755	-.755	0	%100
22	M29	Z	1.307	1.307	0	%100
23	M30	X	-3.03	-3.03	0	%100
24	M30	Z	5.248	5.248	0	%100
25	M31	X	-3.03	-3.03	0	%100
26	M31	Z	5.248	5.248	0	%100
27	M32	X	-.755	-.755	0	%100
28	M32	Z	1.307	1.307	0	%100
29	M33	X	-.76	-.76	0	%100
30	M33	Z	1.317	1.317	0	%100
31	M38	X	-1.234	-1.234	0	%100
32	M38	Z	2.137	2.137	0	%100
33	M39	X	-1.234	-1.234	0	%100
34	M39	Z	2.137	2.137	0	%100
35	M44	X	-1.234	-1.234	0	%100
36	M44	Z	2.137	2.137	0	%100
37	M45	X	-1.234	-1.234	0	%100
38	M45	Z	2.137	2.137	0	%100
39	M50	X	-4.934	-4.934	0	%100
40	M50	Z	8.546	8.546	0	%100
41	M51	X	-4.934	-4.934	0	%100
42	M51	Z	8.546	8.546	0	%100
43	M128	X	-.619	-.619	0	%100
44	M128	Z	1.072	1.072	0	%100
45	M129	X	-.614	-.614	0	%100
46	M129	Z	1.063	1.063	0	%100
47	M138	X	-.614	-.614	0	%100
48	M138	Z	1.063	1.063	0	%100
49	M141	X	-.619	-.619	0	%100
50	M141	Z	1.072	1.072	0	%100
51	M150	X	-2.465	-2.465	0	%100
52	M150	Z	4.27	4.27	0	%100
53	M153	X	-2.465	-2.465	0	%100
54	M153	Z	4.27	4.27	0	%100
55	M106	X	0	0	0	%100
56	M106	Z	0	0	0	%100
57	M106A	X	-6.634	-6.634	0	%100
58	M106A	Z	11.49	11.49	0	%100
59	M107A	X	-6.634	-6.634	0	%100
60	M107A	Z	11.49	11.49	0	%100
61	M94A	X	-3.175	-3.175	0	%100
62	M94A	Z	5.499	5.499	0	%100
63	M95	X	-3.184	-3.184	0	%100
64	M95	Z	5.515	5.515	0	%100
65	M96A	X	-3.175	-3.175	0	%100
66	M96A	Z	5.499	5.499	0	%100
67	M97	X	0	0	0	%100
68	M97	Z	0	0	0	%100
69	M98A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	M98A	Z	0	0	0	%100
71	M99	X	0	0	0	%100
72	M99	Z	0	0	0	%100
73	MP1A	X	-4.238	-4.238	0	%100
74	MP1A	Z	7.341	7.341	0	%100
75	MP2A	X	-3.501	-3.501	0	%100
76	MP2A	Z	6.064	6.064	0	%100
77	MP3A	X	-4.238	-4.238	0	%100
78	MP3A	Z	7.341	7.341	0	%100
79	MP4A	X	-3.501	-3.501	0	%100
80	MP4A	Z	6.064	6.064	0	%100
81	MP1C	X	-4.238	-4.238	0	%100
82	MP1C	Z	7.341	7.341	0	%100
83	MP2C	X	-3.501	-3.501	0	%100
84	MP2C	Z	6.064	6.064	0	%100
85	MP3C	X	-4.238	-4.238	0	%100
86	MP3C	Z	7.341	7.341	0	%100
87	MP4C	X	-3.501	-3.501	0	%100
88	MP4C	Z	6.064	6.064	0	%100
89	MP1B	X	-4.238	-4.238	0	%100
90	MP1B	Z	7.341	7.341	0	%100
91	MP2B	X	-3.501	-3.501	0	%100
92	MP2B	Z	6.064	6.064	0	%100
93	MP3B	X	-4.238	-4.238	0	%100
94	MP3B	Z	7.341	7.341	0	%100
95	MP4B	X	-3.501	-3.501	0	%100
96	MP4B	Z	6.064	6.064	0	%100
97	M95A	X	-2.863	-2.863	0	%100
98	M95A	Z	4.959	4.959	0	%100
99	M100	X	-3.179	-3.179	0	%100
100	M100	Z	5.506	5.506	0	%100
101	M105	X	-3.179	-3.179	0	%100
102	M105	Z	5.506	5.506	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	M116	X	-4.2	-4.2	0	%100
108	M116	Z	7.275	7.275	0	%100
109	M119	X	-4.2	-4.2	0	%100
110	M119	Z	7.275	7.275	0	%100
111	M123	X	-1.506	-1.506	0	%100
112	M123	Z	2.608	2.608	0	%100
113	M124A	X	-5.602	-5.602	0	%100
114	M124A	Z	9.703	9.703	0	%100
115	M122	X	-5.393	-5.393	0	%100
116	M122	Z	9.342	9.342	0	%100
117	M123A	X	-1.486	-1.486	0	%100
118	M123A	Z	2.574	2.574	0	%100
119	M124B	X	-4.484	-4.484	0	%100
120	M124B	Z	7.766	7.766	0	%100
121	M125A	X	-4.118	-4.118	0	%100
122	M125A	Z	7.132	7.132	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-5.112	-5.112	0	%100
2	M4	Z	2.951	2.951	0	%100
3	M5	X	-5.547	-5.547	0	%100
4	M5	Z	3.203	3.203	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-5.112	-5.112	0	%100
10	M16	Z	2.951	2.951	0	%100
11	M17	X	-5.547	-5.547	0	%100
12	M17	Z	3.203	3.203	0	%100
13	M21	X	-1.833	-1.833	0	%100
14	M21	Z	1.058	1.058	0	%100
15	M24	X	-1.838	-1.838	0	%100
16	M24	Z	1.061	1.061	0	%100
17	M27	X	-1.833	-1.833	0	%100
18	M27	Z	1.058	1.058	0	%100
19	M28	X	-3.941	-3.941	0	%100
20	M28	Z	2.275	2.275	0	%100
21	M29	X	-7e-6	-7e-6	0	%100
22	M29	Z	4e-6	4e-6	0	%100
23	M30	X	-3.931	-3.931	0	%100
24	M30	Z	2.269	2.269	0	%100
25	M31	X	-3.941	-3.941	0	%100
26	M31	Z	2.275	2.275	0	%100
27	M32	X	-3.931	-3.931	0	%100
28	M32	Z	2.269	2.269	0	%100
29	M33	X	-7e-6	-7e-6	0	%100
30	M33	Z	4e-6	4e-6	0	%100
31	M38	X	-6.41	-6.41	0	%100
32	M38	Z	3.701	3.701	0	%100
33	M39	X	-6.41	-6.41	0	%100
34	M39	Z	3.701	3.701	0	%100
35	M44	X	0	0	0	%100
36	M44	Z	0	0	0	%100
37	M45	X	0	0	0	%100
38	M45	Z	0	0	0	%100
39	M50	X	-6.41	-6.41	0	%100
40	M50	Z	3.701	3.701	0	%100
41	M51	X	-6.41	-6.41	0	%100
42	M51	Z	3.701	3.701	0	%100
43	M128	X	-3.206	-3.206	0	%100
44	M128	Z	1.851	1.851	0	%100
45	M129	X	-3.198	-3.198	0	%100
46	M129	Z	1.846	1.846	0	%100
47	M138	X	-5e-6	-5e-6	0	%100
48	M138	Z	3e-6	3e-6	0	%100
49	M141	X	-5e-6	-5e-6	0	%100
50	M141	Z	3e-6	3e-6	0	%100
51	M150	X	-3.198	-3.198	0	%100
52	M150	Z	1.846	1.846	0	%100
53	M153	X	-3.206	-3.206	0	%100
54	M153	Z	1.851	1.851	0	%100
55	M106	X	-3.83	-3.83	0	%100
56	M106	Z	2.211	2.211	0	%100
57	M106A	X	-3.83	-3.83	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M106A	Z	2.211	2.211	0	%100
59	M107A	X	-15.32	-15.32	0	%100
60	M107A	Z	8.845	8.845	0	%100
61	M94A	X	-7.332	-7.332	0	%100
62	M94A	Z	4.233	4.233	0	%100
63	M95	X	-7.354	-7.354	0	%100
64	M95	Z	4.246	4.246	0	%100
65	M96A	X	-7.332	-7.332	0	%100
66	M96A	Z	4.233	4.233	0	%100
67	M97	X	-1.833	-1.833	0	%100
68	M97	Z	1.058	1.058	0	%100
69	M98A	X	-1.838	-1.838	0	%100
70	M98A	Z	1.061	1.061	0	%100
71	M99	X	-1.833	-1.833	0	%100
72	M99	Z	1.058	1.058	0	%100
73	MP1A	X	-7.341	-7.341	0	%100
74	MP1A	Z	4.238	4.238	0	%100
75	MP2A	X	-6.064	-6.064	0	%100
76	MP2A	Z	3.501	3.501	0	%100
77	MP3A	X	-7.341	-7.341	0	%100
78	MP3A	Z	4.238	4.238	0	%100
79	MP4A	X	-6.064	-6.064	0	%100
80	MP4A	Z	3.501	3.501	0	%100
81	MP1C	X	-7.341	-7.341	0	%100
82	MP1C	Z	4.238	4.238	0	%100
83	MP2C	X	-6.064	-6.064	0	%100
84	MP2C	Z	3.501	3.501	0	%100
85	MP3C	X	-7.341	-7.341	0	%100
86	MP3C	Z	4.238	4.238	0	%100
87	MP4C	X	-6.064	-6.064	0	%100
88	MP4C	Z	3.501	3.501	0	%100
89	MP1B	X	-7.341	-7.341	0	%100
90	MP1B	Z	4.238	4.238	0	%100
91	MP2B	X	-6.064	-6.064	0	%100
92	MP2B	Z	3.501	3.501	0	%100
93	MP3B	X	-7.341	-7.341	0	%100
94	MP3B	Z	4.238	4.238	0	%100
95	MP4B	X	-6.064	-6.064	0	%100
96	MP4B	Z	3.501	3.501	0	%100
97	M95A	X	-4.959	-4.959	0	%100
98	M95A	Z	2.863	2.863	0	%100
99	M100	X	-1.835	-1.835	0	%100
100	M100	Z	1.06	1.06	0	%100
101	M105	X	-7.341	-7.341	0	%100
102	M105	Z	4.238	4.238	0	%100
103	M110	X	-1.835	-1.835	0	%100
104	M110	Z	1.06	1.06	0	%100
105	M113	X	-2.425	-2.425	0	%100
106	M113	Z	1.4	1.4	0	%100
107	M116	X	-2.425	-2.425	0	%100
108	M116	Z	1.4	1.4	0	%100
109	M119	X	-9.701	-9.701	0	%100
110	M119	Z	5.601	5.601	0	%100
111	M123	X	-3.802	-3.802	0	%100
112	M123	Z	2.195	2.195	0	%100
113	M124A	X	-10.366	-10.366	0	%100
114	M124A	Z	5.985	5.985	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M122	X	-5.378	-5.378	0	%100
116	M122	Z	3.105	3.105	0	%100
117	M123A	X	-5.807	-5.807	0	%100
118	M123A	Z	3.353	3.353	0	%100
119	M124B	X	-10.536	-10.536	0	%100
120	M124B	Z	6.083	6.083	0	%100
121	M125A	X	-3.236	-3.236	0	%100
122	M125A	Z	1.869	1.869	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	M4	X	-7.87	-7.87	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	-8.54	-8.54	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	-1.967	-1.967	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	-2.135	-2.135	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-1.967	-1.967	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	-2.135	-2.135	0	%100
12	M17	Z	0	0	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	0	0	0	%100
15	M24	X	0	0	0	%100
16	M24	Z	0	0	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	-6.06	-6.06	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	-1.521	-1.521	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	-1.509	-1.509	0	%100
24	M30	Z	0	0	0	%100
25	M31	X	-1.521	-1.521	0	%100
26	M31	Z	0	0	0	%100
27	M32	X	-6.06	-6.06	0	%100
28	M32	Z	0	0	0	%100
29	M33	X	-1.509	-1.509	0	%100
30	M33	Z	0	0	0	%100
31	M38	X	-9.869	-9.869	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	-9.869	-9.869	0	%100
34	M39	Z	0	0	0	%100
35	M44	X	-2.467	-2.467	0	%100
36	M44	Z	0	0	0	%100
37	M45	X	-2.467	-2.467	0	%100
38	M45	Z	0	0	0	%100
39	M50	X	-2.467	-2.467	0	%100
40	M50	Z	0	0	0	%100
41	M51	X	-2.467	-2.467	0	%100
42	M51	Z	0	0	0	%100
43	M128	X	-4.93	-4.93	0	%100
44	M128	Z	0	0	0	%100
45	M129	X	-4.93	-4.93	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M129	Z	0	0	0	%100
47	M138	X	-1.237	-1.237	0	%100
48	M138	Z	0	0	0	%100
49	M141	X	-1.228	-1.228	0	%100
50	M141	Z	0	0	0	%100
51	M150	X	-1.228	-1.228	0	%100
52	M150	Z	0	0	0	%100
53	M153	X	-1.237	-1.237	0	%100
54	M153	Z	0	0	0	%100
55	M106	X	-13.267	-13.267	0	%100
56	M106	Z	0	0	0	%100
57	M106A	X	0	0	0	%100
58	M106A	Z	0	0	0	%100
59	M107A	X	-13.267	-13.267	0	%100
60	M107A	Z	0	0	0	%100
61	M94A	X	-6.35	-6.35	0	%100
62	M94A	Z	0	0	0	%100
63	M95	X	-6.368	-6.368	0	%100
64	M95	Z	0	0	0	%100
65	M96A	X	-6.35	-6.35	0	%100
66	M96A	Z	0	0	0	%100
67	M97	X	-6.35	-6.35	0	%100
68	M97	Z	0	0	0	%100
69	M98A	X	-6.368	-6.368	0	%100
70	M98A	Z	0	0	0	%100
71	M99	X	-6.35	-6.35	0	%100
72	M99	Z	0	0	0	%100
73	MP1A	X	-8.476	-8.476	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	-7.002	-7.002	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	-8.476	-8.476	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	-7.002	-7.002	0	%100
80	MP4A	Z	0	0	0	%100
81	MP1C	X	-8.476	-8.476	0	%100
82	MP1C	Z	0	0	0	%100
83	MP2C	X	-7.002	-7.002	0	%100
84	MP2C	Z	0	0	0	%100
85	MP3C	X	-8.476	-8.476	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	-7.002	-7.002	0	%100
88	MP4C	Z	0	0	0	%100
89	MP1B	X	-8.476	-8.476	0	%100
90	MP1B	Z	0	0	0	%100
91	MP2B	X	-7.002	-7.002	0	%100
92	MP2B	Z	0	0	0	%100
93	MP3B	X	-8.476	-8.476	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	-7.002	-7.002	0	%100
96	MP4B	Z	0	0	0	%100
97	M95A	X	-5.726	-5.726	0	%100
98	M95A	Z	0	0	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	0	0	0	%100
101	M105	X	-6.357	-6.357	0	%100
102	M105	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	M110	X	-6.357	-6.357	0	%100
104	M110	Z	0	0	0	%100
105	M113	X	-8.401	-8.401	0	%100
106	M113	Z	0	0	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	0	0	0	%100
109	M119	X	-8.401	-8.401	0	%100
110	M119	Z	0	0	0	%100
111	M123	X	-8.967	-8.967	0	%100
112	M123	Z	0	0	0	%100
113	M124A	X	-8.236	-8.236	0	%100
114	M124A	Z	0	0	0	%100
115	M122	X	-3.012	-3.012	0	%100
116	M122	Z	0	0	0	%100
117	M123A	X	-11.204	-11.204	0	%100
118	M123A	Z	0	0	0	%100
119	M124B	X	-10.787	-10.787	0	%100
120	M124B	Z	0	0	0	%100
121	M125A	X	-2.972	-2.972	0	%100
122	M125A	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	M4	X	-5.112	-5.112	0	%100
2	M4	Z	-2.951	-2.951	0	%100
3	M5	X	-5.547	-5.547	0	%100
4	M5	Z	-3.203	-3.203	0	%100
5	M10	X	-5.112	-5.112	0	%100
6	M10	Z	-2.951	-2.951	0	%100
7	M11	X	-5.547	-5.547	0	%100
8	M11	Z	-3.203	-3.203	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M21	X	-1.833	-1.833	0	%100
14	M21	Z	-1.058	-1.058	0	%100
15	M24	X	-1.838	-1.838	0	%100
16	M24	Z	-1.061	-1.061	0	%100
17	M27	X	-1.833	-1.833	0	%100
18	M27	Z	-1.058	-1.058	0	%100
19	M28	X	-3.931	-3.931	0	%100
20	M28	Z	-2.269	-2.269	0	%100
21	M29	X	-3.941	-3.941	0	%100
22	M29	Z	-2.275	-2.275	0	%100
23	M30	X	-7e-6	-7e-6	0	%100
24	M30	Z	-4e-6	-4e-6	0	%100
25	M31	X	-7e-6	-7e-6	0	%100
26	M31	Z	-4e-6	-4e-6	0	%100
27	M32	X	-3.941	-3.941	0	%100
28	M32	Z	-2.275	-2.275	0	%100
29	M33	X	-3.931	-3.931	0	%100
30	M33	Z	-2.269	-2.269	0	%100
31	M38	X	-6.41	-6.41	0	%100
32	M38	Z	-3.701	-3.701	0	%100
33	M39	X	-6.41	-6.41	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M39	Z	-3.701	-3.701	0	%100
35	M44	X	-6.41	-6.41	0	%100
36	M44	Z	-3.701	-3.701	0	%100
37	M45	X	-6.41	-6.41	0	%100
38	M45	Z	-3.701	-3.701	0	%100
39	M50	X	0	0	0	%100
40	M50	Z	0	0	0	%100
41	M51	X	0	0	0	%100
42	M51	Z	0	0	0	%100
43	M128	X	-3.198	-3.198	0	%100
44	M128	Z	-1.846	-1.846	0	%100
45	M129	X	-3.206	-3.206	0	%100
46	M129	Z	-1.851	-1.851	0	%100
47	M138	X	-3.206	-3.206	0	%100
48	M138	Z	-1.851	-1.851	0	%100
49	M141	X	-3.198	-3.198	0	%100
50	M141	Z	-1.846	-1.846	0	%100
51	M150	X	-5e-6	-5e-6	0	%100
52	M150	Z	-3e-6	-3e-6	0	%100
53	M153	X	-5e-6	-5e-6	0	%100
54	M153	Z	-3e-6	-3e-6	0	%100
55	M106	X	-15.32	-15.32	0	%100
56	M106	Z	-8.845	-8.845	0	%100
57	M106A	X	-3.83	-3.83	0	%100
58	M106A	Z	-2.211	-2.211	0	%100
59	M107A	X	-3.83	-3.83	0	%100
60	M107A	Z	-2.211	-2.211	0	%100
61	M94A	X	-1.833	-1.833	0	%100
62	M94A	Z	-1.058	-1.058	0	%100
63	M95	X	-1.838	-1.838	0	%100
64	M95	Z	-1.061	-1.061	0	%100
65	M96A	X	-1.833	-1.833	0	%100
66	M96A	Z	-1.058	-1.058	0	%100
67	M97	X	-7.332	-7.332	0	%100
68	M97	Z	-4.233	-4.233	0	%100
69	M98A	X	-7.354	-7.354	0	%100
70	M98A	Z	-4.246	-4.246	0	%100
71	M99	X	-7.332	-7.332	0	%100
72	M99	Z	-4.233	-4.233	0	%100
73	MP1A	X	-7.341	-7.341	0	%100
74	MP1A	Z	-4.238	-4.238	0	%100
75	MP2A	X	-6.064	-6.064	0	%100
76	MP2A	Z	-3.501	-3.501	0	%100
77	MP3A	X	-7.341	-7.341	0	%100
78	MP3A	Z	-4.238	-4.238	0	%100
79	MP4A	X	-6.064	-6.064	0	%100
80	MP4A	Z	-3.501	-3.501	0	%100
81	MP1C	X	-7.341	-7.341	0	%100
82	MP1C	Z	-4.238	-4.238	0	%100
83	MP2C	X	-6.064	-6.064	0	%100
84	MP2C	Z	-3.501	-3.501	0	%100
85	MP3C	X	-7.341	-7.341	0	%100
86	MP3C	Z	-4.238	-4.238	0	%100
87	MP4C	X	-6.064	-6.064	0	%100
88	MP4C	Z	-3.501	-3.501	0	%100
89	MP1B	X	-7.341	-7.341	0	%100
90	MP1B	Z	-4.238	-4.238	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP2B	X	-6.064	-6.064	0	%100
92	MP2B	Z	-3.501	-3.501	0	%100
93	MP3B	X	-7.341	-7.341	0	%100
94	MP3B	Z	-4.238	-4.238	0	%100
95	MP4B	X	-6.064	-6.064	0	%100
96	MP4B	Z	-3.501	-3.501	0	%100
97	M95A	X	-4.959	-4.959	0	%100
98	M95A	Z	-2.863	-2.863	0	%100
99	M100	X	-1.835	-1.835	0	%100
100	M100	Z	-1.06	-1.06	0	%100
101	M105	X	-1.835	-1.835	0	%100
102	M105	Z	-1.06	-1.06	0	%100
103	M110	X	-7.341	-7.341	0	%100
104	M110	Z	-4.238	-4.238	0	%100
105	M113	X	-9.701	-9.701	0	%100
106	M113	Z	-5.601	-5.601	0	%100
107	M116	X	-2.425	-2.425	0	%100
108	M116	Z	-1.4	-1.4	0	%100
109	M119	X	-2.425	-2.425	0	%100
110	M119	Z	-1.4	-1.4	0	%100
111	M123	X	-10.536	-10.536	0	%100
112	M123	Z	-6.083	-6.083	0	%100
113	M124A	X	-3.236	-3.236	0	%100
114	M124A	Z	-1.869	-1.869	0	%100
115	M122	X	-3.802	-3.802	0	%100
116	M122	Z	-2.195	-2.195	0	%100
117	M123A	X	-10.366	-10.366	0	%100
118	M123A	Z	-5.985	-5.985	0	%100
119	M124B	X	-5.378	-5.378	0	%100
120	M124B	Z	-3.105	-3.105	0	%100
121	M125A	X	-5.807	-5.807	0	%100
122	M125A	Z	-3.353	-3.353	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	M4	X	-.984	-.984	0	%100
2	M4	Z	-1.704	-1.704	0	%100
3	M5	X	-1.068	-1.068	0	%100
4	M5	Z	-1.849	-1.849	0	%100
5	M10	X	-3.935	-3.935	0	%100
6	M10	Z	-6.815	-6.815	0	%100
7	M11	X	-4.27	-4.27	0	%100
8	M11	Z	-7.396	-7.396	0	%100
9	M16	X	-.984	-.984	0	%100
10	M16	Z	-1.704	-1.704	0	%100
11	M17	X	-1.068	-1.068	0	%100
12	M17	Z	-1.849	-1.849	0	%100
13	M21	X	-3.175	-3.175	0	%100
14	M21	Z	-5.499	-5.499	0	%100
15	M24	X	-3.184	-3.184	0	%100
16	M24	Z	-5.515	-5.515	0	%100
17	M27	X	-3.175	-3.175	0	%100
18	M27	Z	-5.499	-5.499	0	%100
19	M28	X	-.755	-.755	0	%100
20	M28	Z	-1.307	-1.307	0	%100
21	M29	X	-3.03	-3.03	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M29	Z	-5.248	-5.248	0	%100
23	M30	X	-.76	-.76	0	%100
24	M30	Z	-1.317	-1.317	0	%100
25	M31	X	-.755	-.755	0	%100
26	M31	Z	-1.307	-1.307	0	%100
27	M32	X	-.76	-.76	0	%100
28	M32	Z	-1.317	-1.317	0	%100
29	M33	X	-3.03	-3.03	0	%100
30	M33	Z	-5.248	-5.248	0	%100
31	M38	X	-1.234	-1.234	0	%100
32	M38	Z	-2.137	-2.137	0	%100
33	M39	X	-1.234	-1.234	0	%100
34	M39	Z	-2.137	-2.137	0	%100
35	M44	X	-4.934	-4.934	0	%100
36	M44	Z	-8.546	-8.546	0	%100
37	M45	X	-4.934	-4.934	0	%100
38	M45	Z	-8.546	-8.546	0	%100
39	M50	X	-1.234	-1.234	0	%100
40	M50	Z	-2.137	-2.137	0	%100
41	M51	X	-1.234	-1.234	0	%100
42	M51	Z	-2.137	-2.137	0	%100
43	M128	X	-.614	-.614	0	%100
44	M128	Z	-1.063	-1.063	0	%100
45	M129	X	-.619	-.619	0	%100
46	M129	Z	-1.072	-1.072	0	%100
47	M138	X	-2.465	-2.465	0	%100
48	M138	Z	-4.27	-4.27	0	%100
49	M141	X	-2.465	-2.465	0	%100
50	M141	Z	-4.27	-4.27	0	%100
51	M150	X	-.619	-.619	0	%100
52	M150	Z	-1.072	-1.072	0	%100
53	M153	X	-.614	-.614	0	%100
54	M153	Z	-1.063	-1.063	0	%100
55	M106	X	-6.634	-6.634	0	%100
56	M106	Z	-11.49	-11.49	0	%100
57	M106A	X	-6.634	-6.634	0	%100
58	M106A	Z	-11.49	-11.49	0	%100
59	M107A	X	0	0	0	%100
60	M107A	Z	0	0	0	%100
61	M94A	X	0	0	0	%100
62	M94A	Z	0	0	0	%100
63	M95	X	0	0	0	%100
64	M95	Z	0	0	0	%100
65	M96A	X	0	0	0	%100
66	M96A	Z	0	0	0	%100
67	M97	X	-3.175	-3.175	0	%100
68	M97	Z	-5.499	-5.499	0	%100
69	M98A	X	-3.184	-3.184	0	%100
70	M98A	Z	-5.515	-5.515	0	%100
71	M99	X	-3.175	-3.175	0	%100
72	M99	Z	-5.499	-5.499	0	%100
73	MP1A	X	-4.238	-4.238	0	%100
74	MP1A	Z	-7.341	-7.341	0	%100
75	MP2A	X	-3.501	-3.501	0	%100
76	MP2A	Z	-6.064	-6.064	0	%100
77	MP3A	X	-4.238	-4.238	0	%100
78	MP3A	Z	-7.341	-7.341	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	MP4A	X	-3.501	-3.501	0	%100
80	MP4A	Z	-6.064	-6.064	0	%100
81	MP1C	X	-4.238	-4.238	0	%100
82	MP1C	Z	-7.341	-7.341	0	%100
83	MP2C	X	-3.501	-3.501	0	%100
84	MP2C	Z	-6.064	-6.064	0	%100
85	MP3C	X	-4.238	-4.238	0	%100
86	MP3C	Z	-7.341	-7.341	0	%100
87	MP4C	X	-3.501	-3.501	0	%100
88	MP4C	Z	-6.064	-6.064	0	%100
89	MP1B	X	-4.238	-4.238	0	%100
90	MP1B	Z	-7.341	-7.341	0	%100
91	MP2B	X	-3.501	-3.501	0	%100
92	MP2B	Z	-6.064	-6.064	0	%100
93	MP3B	X	-4.238	-4.238	0	%100
94	MP3B	Z	-7.341	-7.341	0	%100
95	MP4B	X	-3.501	-3.501	0	%100
96	MP4B	Z	-6.064	-6.064	0	%100
97	M95A	X	-2.863	-2.863	0	%100
98	M95A	Z	-4.959	-4.959	0	%100
99	M100	X	-3.179	-3.179	0	%100
100	M100	Z	-5.506	-5.506	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	-3.179	-3.179	0	%100
104	M110	Z	-5.506	-5.506	0	%100
105	M113	X	-4.2	-4.2	0	%100
106	M113	Z	-7.275	-7.275	0	%100
107	M116	X	-4.2	-4.2	0	%100
108	M116	Z	-7.275	-7.275	0	%100
109	M119	X	0	0	0	%100
110	M119	Z	0	0	0	%100
111	M123	X	-5.393	-5.393	0	%100
112	M123	Z	-9.342	-9.342	0	%100
113	M124A	X	-1.486	-1.486	0	%100
114	M124A	Z	-2.574	-2.574	0	%100
115	M122	X	-4.484	-4.484	0	%100
116	M122	Z	-7.766	-7.766	0	%100
117	M123A	X	-4.118	-4.118	0	%100
118	M123A	Z	-7.132	-7.132	0	%100
119	M124B	X	-1.506	-1.506	0	%100
120	M124B	Z	-2.608	-2.608	0	%100
121	M125A	X	-5.602	-5.602	0	%100
122	M125A	Z	-9.703	-9.703	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-2.155	-2.155	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	-2.352	-2.352	0	%100
9	M16	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M16	Z	-2.155	-2.155	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	-2.352	-2.352	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	-3.049	-3.049	0	%100
15	M24	X	0	0	0	%100
16	M24	Z	-3.059	-3.059	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	-3.049	-3.049	0	%100
19	M28	X	0	0	0	%100
20	M28	Z	-3e-6	-3e-6	0	%100
21	M29	X	0	0	0	%100
22	M29	Z	-1.822	-1.822	0	%100
23	M30	X	0	0	0	%100
24	M30	Z	-1.827	-1.827	0	%100
25	M31	X	0	0	0	%100
26	M31	Z	-1.822	-1.822	0	%100
27	M32	X	0	0	0	%100
28	M32	Z	-3e-6	-3e-6	0	%100
29	M33	X	0	0	0	%100
30	M33	Z	-1.827	-1.827	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	0	0	0	%100
35	M44	X	0	0	0	%100
36	M44	Z	-2.325	-2.325	0	%100
37	M45	X	0	0	0	%100
38	M45	Z	-2.325	-2.325	0	%100
39	M50	X	0	0	0	%100
40	M50	Z	-2.325	-2.325	0	%100
41	M51	X	0	0	0	%100
42	M51	Z	-2.325	-2.325	0	%100
43	M128	X	0	0	0	%100
44	M128	Z	-3e-6	-3e-6	0	%100
45	M129	X	0	0	0	%100
46	M129	Z	-3e-6	-3e-6	0	%100
47	M138	X	0	0	0	%100
48	M138	Z	-1.505	-1.505	0	%100
49	M141	X	0	0	0	%100
50	M141	Z	-1.509	-1.509	0	%100
51	M150	X	0	0	0	%100
52	M150	Z	-1.509	-1.509	0	%100
53	M153	X	0	0	0	%100
54	M153	Z	-1.505	-1.505	0	%100
55	M106	X	0	0	0	%100
56	M106	Z	-1.084	-1.084	0	%100
57	M106A	X	0	0	0	%100
58	M106A	Z	-4.338	-4.338	0	%100
59	M107A	X	0	0	0	%100
60	M107A	Z	-1.084	-1.084	0	%100
61	M94A	X	0	0	0	%100
62	M94A	Z	-.762	-.762	0	%100
63	M95	X	0	0	0	%100
64	M95	Z	-.765	-.765	0	%100
65	M96A	X	0	0	0	%100
66	M96A	Z	-.762	-.762	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M97	X	0	0	0	%100
68	M97	Z	-.762	-.762	0	%100
69	M98A	X	0	0	0	%100
70	M98A	Z	-.765	-.765	0	%100
71	M99	X	0	0	0	%100
72	M99	Z	-.762	-.762	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	-3.353	-3.353	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	-3.084	-3.084	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	-3.353	-3.353	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-3.084	-3.084	0	%100
81	MP1C	X	0	0	0	%100
82	MP1C	Z	-3.353	-3.353	0	%100
83	MP2C	X	0	0	0	%100
84	MP2C	Z	-3.084	-3.084	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	-3.353	-3.353	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-3.084	-3.084	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	-3.353	-3.353	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	-3.084	-3.084	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	-3.353	-3.353	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-3.084	-3.084	0	%100
97	M95A	X	0	0	0	%100
98	M95A	Z	-2.374	-2.374	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	-3.353	-3.353	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	-.838	-.838	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	-.838	-.838	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	-.833	-.833	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	-3.332	-3.332	0	%100
109	M119	X	0	0	0	%100
110	M119	Z	-.833	-.833	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-1.967	-1.967	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	-2.14	-2.14	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	-3.853	-3.853	0	%100
117	M123A	X	0	0	0	%100
118	M123A	Z	-1.193	-1.193	0	%100
119	M124B	X	0	0	0	%100
120	M124B	Z	-1.39	-1.39	0	%100
121	M125A	X	0	0	0	%100
122	M125A	Z	-3.82	-3.82	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	M4	X	.359	.359	0	%100
2	M4	Z	-.622	-.622	0	%100
3	M5	X	.392	.392	0	%100
4	M5	Z	-.679	-.679	0	%100
5	M10	X	.359	.359	0	%100
6	M10	Z	-.622	-.622	0	%100
7	M11	X	.392	.392	0	%100
8	M11	Z	-.679	-.679	0	%100
9	M16	X	1.437	1.437	0	%100
10	M16	Z	-2.489	-2.489	0	%100
11	M17	X	1.568	1.568	0	%100
12	M17	Z	-2.716	-2.716	0	%100
13	M21	X	1.144	1.144	0	%100
14	M21	Z	-1.981	-1.981	0	%100
15	M24	X	1.147	1.147	0	%100
16	M24	Z	-1.987	-1.987	0	%100
17	M27	X	1.144	1.144	0	%100
18	M27	Z	-1.981	-1.981	0	%100
19	M28	X	.305	.305	0	%100
20	M28	Z	-.529	-.529	0	%100
21	M29	X	.303	.303	0	%100
22	M29	Z	-.525	-.525	0	%100
23	M30	X	1.217	1.217	0	%100
24	M30	Z	-2.107	-2.107	0	%100
25	M31	X	1.217	1.217	0	%100
26	M31	Z	-2.107	-2.107	0	%100
27	M32	X	.303	.303	0	%100
28	M32	Z	-.525	-.525	0	%100
29	M33	X	.305	.305	0	%100
30	M33	Z	-.529	-.529	0	%100
31	M38	X	.388	.388	0	%100
32	M38	Z	-.671	-.671	0	%100
33	M39	X	.388	.388	0	%100
34	M39	Z	-.671	-.671	0	%100
35	M44	X	.388	.388	0	%100
36	M44	Z	-.671	-.671	0	%100
37	M45	X	.388	.388	0	%100
38	M45	Z	-.671	-.671	0	%100
39	M50	X	1.55	1.55	0	%100
40	M50	Z	-2.685	-2.685	0	%100
41	M51	X	1.55	1.55	0	%100
42	M51	Z	-2.685	-2.685	0	%100
43	M128	X	.252	.252	0	%100
44	M128	Z	-.437	-.437	0	%100
45	M129	X	.25	.25	0	%100
46	M129	Z	-.433	-.433	0	%100
47	M138	X	.25	.25	0	%100
48	M138	Z	-.433	-.433	0	%100
49	M141	X	.252	.252	0	%100
50	M141	Z	-.437	-.437	0	%100
51	M150	X	1.005	1.005	0	%100
52	M150	Z	-1.74	-1.74	0	%100
53	M153	X	1.005	1.005	0	%100
54	M153	Z	-1.74	-1.74	0	%100
55	M106	X	0	0	0	%100
56	M106	Z	0	0	0	%100
57	M106A	X	1.627	1.627	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M106A	Z	-2.817	-2.817	0	%100
59	M107A	X	1.627	1.627	0	%100
60	M107A	Z	-2.817	-2.817	0	%100
61	M94A	X	1.144	1.144	0	%100
62	M94A	Z	-1.981	-1.981	0	%100
63	M95	X	1.147	1.147	0	%100
64	M95	Z	-1.987	-1.987	0	%100
65	M96A	X	1.144	1.144	0	%100
66	M96A	Z	-1.981	-1.981	0	%100
67	M97	X	0	0	0	%100
68	M97	Z	0	0	0	%100
69	M98A	X	0	0	0	%100
70	M98A	Z	0	0	0	%100
71	M99	X	0	0	0	%100
72	M99	Z	0	0	0	%100
73	MP1A	X	1.676	1.676	0	%100
74	MP1A	Z	-2.904	-2.904	0	%100
75	MP2A	X	1.542	1.542	0	%100
76	MP2A	Z	-2.67	-2.67	0	%100
77	MP3A	X	1.676	1.676	0	%100
78	MP3A	Z	-2.904	-2.904	0	%100
79	MP4A	X	1.542	1.542	0	%100
80	MP4A	Z	-2.67	-2.67	0	%100
81	MP1C	X	1.676	1.676	0	%100
82	MP1C	Z	-2.904	-2.904	0	%100
83	MP2C	X	1.542	1.542	0	%100
84	MP2C	Z	-2.67	-2.67	0	%100
85	MP3C	X	1.676	1.676	0	%100
86	MP3C	Z	-2.904	-2.904	0	%100
87	MP4C	X	1.542	1.542	0	%100
88	MP4C	Z	-2.67	-2.67	0	%100
89	MP1B	X	1.676	1.676	0	%100
90	MP1B	Z	-2.904	-2.904	0	%100
91	MP2B	X	1.542	1.542	0	%100
92	MP2B	Z	-2.67	-2.67	0	%100
93	MP3B	X	1.676	1.676	0	%100
94	MP3B	Z	-2.904	-2.904	0	%100
95	MP4B	X	1.542	1.542	0	%100
96	MP4B	Z	-2.67	-2.67	0	%100
97	M95A	X	1.187	1.187	0	%100
98	M95A	Z	-2.056	-2.056	0	%100
99	M100	X	1.257	1.257	0	%100
100	M100	Z	-2.178	-2.178	0	%100
101	M105	X	1.257	1.257	0	%100
102	M105	Z	-2.178	-2.178	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	M116	X	1.249	1.249	0	%100
108	M116	Z	-2.164	-2.164	0	%100
109	M119	X	1.249	1.249	0	%100
110	M119	Z	-2.164	-2.164	0	%100
111	M123	X	.477	.477	0	%100
112	M123	Z	-.826	-.826	0	%100
113	M124A	X	1.788	1.788	0	%100
114	M124A	Z	-3.096	-3.096	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M122	X	1.708	1.708	0	%100
116	M122	Z	-2.959	-2.959	0	%100
117	M123A	X	.474	.474	0	%100
118	M123A	Z	-.821	-.821	0	%100
119	M124B	X	1.42	1.42	0	%100
120	M124B	Z	-2.46	-2.46	0	%100
121	M125A	X	1.314	1.314	0	%100
122	M125A	Z	-2.276	-2.276	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	M4	X	1.867	1.867	0	%100
2	M4	Z	-1.078	-1.078	0	%100
3	M5	X	2.037	2.037	0	%100
4	M5	Z	-1.176	-1.176	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	1.867	1.867	0	%100
10	M16	Z	-1.078	-1.078	0	%100
11	M17	X	2.037	2.037	0	%100
12	M17	Z	-1.176	-1.176	0	%100
13	M21	X	.66	.66	0	%100
14	M21	Z	-.381	-.381	0	%100
15	M24	X	.662	.662	0	%100
16	M24	Z	-.382	-.382	0	%100
17	M27	X	.66	.66	0	%100
18	M27	Z	-.381	-.381	0	%100
19	M28	X	1.582	1.582	0	%100
20	M28	Z	-.914	-.914	0	%100
21	M29	X	3e-6	3e-6	0	%100
22	M29	Z	-2e-6	-2e-6	0	%100
23	M30	X	1.578	1.578	0	%100
24	M30	Z	-.911	-.911	0	%100
25	M31	X	1.582	1.582	0	%100
26	M31	Z	-.914	-.914	0	%100
27	M32	X	1.578	1.578	0	%100
28	M32	Z	-.911	-.911	0	%100
29	M33	X	3e-6	3e-6	0	%100
30	M33	Z	-2e-6	-2e-6	0	%100
31	M38	X	2.014	2.014	0	%100
32	M38	Z	-1.163	-1.163	0	%100
33	M39	X	2.014	2.014	0	%100
34	M39	Z	-1.163	-1.163	0	%100
35	M44	X	0	0	0	%100
36	M44	Z	0	0	0	%100
37	M45	X	0	0	0	%100
38	M45	Z	0	0	0	%100
39	M50	X	2.014	2.014	0	%100
40	M50	Z	-1.163	-1.163	0	%100
41	M51	X	2.014	2.014	0	%100
42	M51	Z	-1.163	-1.163	0	%100
43	M128	X	1.307	1.307	0	%100
44	M128	Z	-.754	-.754	0	%100
45	M129	X	1.303	1.303	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M129	Z	-.752	-.752	0	%100
47	M138	X	2e-6	2e-6	0	%100
48	M138	Z	-1e-6	-1e-6	0	%100
49	M141	X	2e-6	2e-6	0	%100
50	M141	Z	-1e-6	-1e-6	0	%100
51	M150	X	1.303	1.303	0	%100
52	M150	Z	-.752	-.752	0	%100
53	M153	X	1.307	1.307	0	%100
54	M153	Z	-.754	-.754	0	%100
55	M106	X	.939	.939	0	%100
56	M106	Z	-.542	-.542	0	%100
57	M106A	X	.939	.939	0	%100
58	M106A	Z	-.542	-.542	0	%100
59	M107A	X	3.757	3.757	0	%100
60	M107A	Z	-2.169	-2.169	0	%100
61	M94A	X	2.641	2.641	0	%100
62	M94A	Z	-1.525	-1.525	0	%100
63	M95	X	2.649	2.649	0	%100
64	M95	Z	-1.529	-1.529	0	%100
65	M96A	X	2.641	2.641	0	%100
66	M96A	Z	-1.525	-1.525	0	%100
67	M97	X	.66	.66	0	%100
68	M97	Z	-.381	-.381	0	%100
69	M98A	X	.662	.662	0	%100
70	M98A	Z	-.382	-.382	0	%100
71	M99	X	.66	.66	0	%100
72	M99	Z	-.381	-.381	0	%100
73	MP1A	X	2.904	2.904	0	%100
74	MP1A	Z	-1.676	-1.676	0	%100
75	MP2A	X	2.67	2.67	0	%100
76	MP2A	Z	-1.542	-1.542	0	%100
77	MP3A	X	2.904	2.904	0	%100
78	MP3A	Z	-1.676	-1.676	0	%100
79	MP4A	X	2.67	2.67	0	%100
80	MP4A	Z	-1.542	-1.542	0	%100
81	MP1C	X	2.904	2.904	0	%100
82	MP1C	Z	-1.676	-1.676	0	%100
83	MP2C	X	2.67	2.67	0	%100
84	MP2C	Z	-1.542	-1.542	0	%100
85	MP3C	X	2.904	2.904	0	%100
86	MP3C	Z	-1.676	-1.676	0	%100
87	MP4C	X	2.67	2.67	0	%100
88	MP4C	Z	-1.542	-1.542	0	%100
89	MP1B	X	2.904	2.904	0	%100
90	MP1B	Z	-1.676	-1.676	0	%100
91	MP2B	X	2.67	2.67	0	%100
92	MP2B	Z	-1.542	-1.542	0	%100
93	MP3B	X	2.904	2.904	0	%100
94	MP3B	Z	-1.676	-1.676	0	%100
95	MP4B	X	2.67	2.67	0	%100
96	MP4B	Z	-1.542	-1.542	0	%100
97	M95A	X	2.056	2.056	0	%100
98	M95A	Z	-1.187	-1.187	0	%100
99	M100	X	.726	.726	0	%100
100	M100	Z	-.419	-.419	0	%100
101	M105	X	2.904	2.904	0	%100
102	M105	Z	-1.676	-1.676	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	M110	X	.726	.726	0	%100
104	M110	Z	-.419	-.419	0	%100
105	M113	X	.721	.721	0	%100
106	M113	Z	-.416	-.416	0	%100
107	M116	X	.721	.721	0	%100
108	M116	Z	-.416	-.416	0	%100
109	M119	X	2.885	2.885	0	%100
110	M119	Z	-1.666	-1.666	0	%100
111	M123	X	1.204	1.204	0	%100
112	M123	Z	-.695	-.695	0	%100
113	M124A	X	3.308	3.308	0	%100
114	M124A	Z	-1.91	-1.91	0	%100
115	M122	X	1.703	1.703	0	%100
116	M122	Z	-.983	-.983	0	%100
117	M123A	X	1.853	1.853	0	%100
118	M123A	Z	-1.07	-1.07	0	%100
119	M124B	X	3.337	3.337	0	%100
120	M124B	Z	-1.927	-1.927	0	%100
121	M125A	X	1.033	1.033	0	%100
122	M125A	Z	-.596	-.596	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	M4	X	2.874	2.874	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	3.136	3.136	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	.718	.718	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	.784	.784	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	.718	.718	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	.784	.784	0	%100
12	M17	Z	0	0	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	0	0	0	%100
15	M24	X	0	0	0	%100
16	M24	Z	0	0	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	2.433	2.433	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	.611	.611	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	.606	.606	0	%100
24	M30	Z	0	0	0	%100
25	M31	X	.611	.611	0	%100
26	M31	Z	0	0	0	%100
27	M32	X	2.433	2.433	0	%100
28	M32	Z	0	0	0	%100
29	M33	X	.606	.606	0	%100
30	M33	Z	0	0	0	%100
31	M38	X	3.101	3.101	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	3.101	3.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M39	Z	0	0	0	%100
35	M44	X	.775	.775	0	%100
36	M44	Z	0	0	0	%100
37	M45	X	.775	.775	0	%100
38	M45	Z	0	0	0	%100
39	M50	X	.775	.775	0	%100
40	M50	Z	0	0	0	%100
41	M51	X	.775	.775	0	%100
42	M51	Z	0	0	0	%100
43	M128	X	2.009	2.009	0	%100
44	M128	Z	0	0	0	%100
45	M129	X	2.009	2.009	0	%100
46	M129	Z	0	0	0	%100
47	M138	X	.504	.504	0	%100
48	M138	Z	0	0	0	%100
49	M141	X	.5	.5	0	%100
50	M141	Z	0	0	0	%100
51	M150	X	.5	.5	0	%100
52	M150	Z	0	0	0	%100
53	M153	X	.504	.504	0	%100
54	M153	Z	0	0	0	%100
55	M106	X	3.253	3.253	0	%100
56	M106	Z	0	0	0	%100
57	M106A	X	0	0	0	%100
58	M106A	Z	0	0	0	%100
59	M107A	X	3.253	3.253	0	%100
60	M107A	Z	0	0	0	%100
61	M94A	X	2.287	2.287	0	%100
62	M94A	Z	0	0	0	%100
63	M95	X	2.294	2.294	0	%100
64	M95	Z	0	0	0	%100
65	M96A	X	2.287	2.287	0	%100
66	M96A	Z	0	0	0	%100
67	M97	X	2.287	2.287	0	%100
68	M97	Z	0	0	0	%100
69	M98A	X	2.294	2.294	0	%100
70	M98A	Z	0	0	0	%100
71	M99	X	2.287	2.287	0	%100
72	M99	Z	0	0	0	%100
73	MP1A	X	3.353	3.353	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	3.084	3.084	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	3.353	3.353	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	3.084	3.084	0	%100
80	MP4A	Z	0	0	0	%100
81	MP1C	X	3.353	3.353	0	%100
82	MP1C	Z	0	0	0	%100
83	MP2C	X	3.084	3.084	0	%100
84	MP2C	Z	0	0	0	%100
85	MP3C	X	3.353	3.353	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	3.084	3.084	0	%100
88	MP4C	Z	0	0	0	%100
89	MP1B	X	3.353	3.353	0	%100
90	MP1B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP2B	X	3.084	3.084	0	%100
92	MP2B	Z	0	0	0	%100
93	MP3B	X	3.353	3.353	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	3.084	3.084	0	%100
96	MP4B	Z	0	0	0	%100
97	M95A	X	2.374	2.374	0	%100
98	M95A	Z	0	0	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	0	0	0	%100
101	M105	X	2.515	2.515	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	2.515	2.515	0	%100
104	M110	Z	0	0	0	%100
105	M113	X	2.499	2.499	0	%100
106	M113	Z	0	0	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	0	0	0	%100
109	M119	X	2.499	2.499	0	%100
110	M119	Z	0	0	0	%100
111	M123	X	2.84	2.84	0	%100
112	M123	Z	0	0	0	%100
113	M124A	X	2.628	2.628	0	%100
114	M124A	Z	0	0	0	%100
115	M122	X	.954	.954	0	%100
116	M122	Z	0	0	0	%100
117	M123A	X	3.576	3.576	0	%100
118	M123A	Z	0	0	0	%100
119	M124B	X	3.416	3.416	0	%100
120	M124B	Z	0	0	0	%100
121	M125A	X	.948	.948	0	%100
122	M125A	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	M4	X	1.867	1.867	0	%100
2	M4	Z	1.078	1.078	0	%100
3	M5	X	2.037	2.037	0	%100
4	M5	Z	1.176	1.176	0	%100
5	M10	X	1.867	1.867	0	%100
6	M10	Z	1.078	1.078	0	%100
7	M11	X	2.037	2.037	0	%100
8	M11	Z	1.176	1.176	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M21	X	.66	.66	0	%100
14	M21	Z	.381	.381	0	%100
15	M24	X	.662	.662	0	%100
16	M24	Z	.382	.382	0	%100
17	M27	X	.66	.66	0	%100
18	M27	Z	.381	.381	0	%100
19	M28	X	1.578	1.578	0	%100
20	M28	Z	.911	.911	0	%100
21	M29	X	1.582	1.582	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M29	Z	.914	.914	0	%100
23	M30	X	3e-6	3e-6	0	%100
24	M30	Z	2e-6	2e-6	0	%100
25	M31	X	3e-6	3e-6	0	%100
26	M31	Z	2e-6	2e-6	0	%100
27	M32	X	1.582	1.582	0	%100
28	M32	Z	.914	.914	0	%100
29	M33	X	1.578	1.578	0	%100
30	M33	Z	.911	.911	0	%100
31	M38	X	2.014	2.014	0	%100
32	M38	Z	1.163	1.163	0	%100
33	M39	X	2.014	2.014	0	%100
34	M39	Z	1.163	1.163	0	%100
35	M44	X	2.014	2.014	0	%100
36	M44	Z	1.163	1.163	0	%100
37	M45	X	2.014	2.014	0	%100
38	M45	Z	1.163	1.163	0	%100
39	M50	X	0	0	0	%100
40	M50	Z	0	0	0	%100
41	M51	X	0	0	0	%100
42	M51	Z	0	0	0	%100
43	M128	X	1.303	1.303	0	%100
44	M128	Z	.752	.752	0	%100
45	M129	X	1.307	1.307	0	%100
46	M129	Z	.754	.754	0	%100
47	M138	X	1.307	1.307	0	%100
48	M138	Z	.754	.754	0	%100
49	M141	X	1.303	1.303	0	%100
50	M141	Z	.752	.752	0	%100
51	M150	X	2e-6	2e-6	0	%100
52	M150	Z	1e-6	1e-6	0	%100
53	M153	X	2e-6	2e-6	0	%100
54	M153	Z	1e-6	1e-6	0	%100
55	M106	X	3.757	3.757	0	%100
56	M106	Z	2.169	2.169	0	%100
57	M106A	X	.939	.939	0	%100
58	M106A	Z	.542	.542	0	%100
59	M107A	X	.939	.939	0	%100
60	M107A	Z	.542	.542	0	%100
61	M94A	X	.66	.66	0	%100
62	M94A	Z	.381	.381	0	%100
63	M95	X	.662	.662	0	%100
64	M95	Z	.382	.382	0	%100
65	M96A	X	.66	.66	0	%100
66	M96A	Z	.381	.381	0	%100
67	M97	X	2.641	2.641	0	%100
68	M97	Z	1.525	1.525	0	%100
69	M98A	X	2.649	2.649	0	%100
70	M98A	Z	1.529	1.529	0	%100
71	M99	X	2.641	2.641	0	%100
72	M99	Z	1.525	1.525	0	%100
73	MP1A	X	2.904	2.904	0	%100
74	MP1A	Z	1.676	1.676	0	%100
75	MP2A	X	2.67	2.67	0	%100
76	MP2A	Z	1.542	1.542	0	%100
77	MP3A	X	2.904	2.904	0	%100
78	MP3A	Z	1.676	1.676	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	MP4A	X	2.67	2.67	0	%100
80	MP4A	Z	1.542	1.542	0	%100
81	MP1C	X	2.904	2.904	0	%100
82	MP1C	Z	1.676	1.676	0	%100
83	MP2C	X	2.67	2.67	0	%100
84	MP2C	Z	1.542	1.542	0	%100
85	MP3C	X	2.904	2.904	0	%100
86	MP3C	Z	1.676	1.676	0	%100
87	MP4C	X	2.67	2.67	0	%100
88	MP4C	Z	1.542	1.542	0	%100
89	MP1B	X	2.904	2.904	0	%100
90	MP1B	Z	1.676	1.676	0	%100
91	MP2B	X	2.67	2.67	0	%100
92	MP2B	Z	1.542	1.542	0	%100
93	MP3B	X	2.904	2.904	0	%100
94	MP3B	Z	1.676	1.676	0	%100
95	MP4B	X	2.67	2.67	0	%100
96	MP4B	Z	1.542	1.542	0	%100
97	M95A	X	2.056	2.056	0	%100
98	M95A	Z	1.187	1.187	0	%100
99	M100	X	.726	.726	0	%100
100	M100	Z	.419	.419	0	%100
101	M105	X	.726	.726	0	%100
102	M105	Z	.419	.419	0	%100
103	M110	X	2.904	2.904	0	%100
104	M110	Z	1.676	1.676	0	%100
105	M113	X	2.885	2.885	0	%100
106	M113	Z	1.666	1.666	0	%100
107	M116	X	.721	.721	0	%100
108	M116	Z	.416	.416	0	%100
109	M119	X	.721	.721	0	%100
110	M119	Z	.416	.416	0	%100
111	M123	X	3.337	3.337	0	%100
112	M123	Z	1.927	1.927	0	%100
113	M124A	X	1.033	1.033	0	%100
114	M124A	Z	.596	.596	0	%100
115	M122	X	1.204	1.204	0	%100
116	M122	Z	.695	.695	0	%100
117	M123A	X	3.308	3.308	0	%100
118	M123A	Z	1.91	1.91	0	%100
119	M124B	X	1.703	1.703	0	%100
120	M124B	Z	.983	.983	0	%100
121	M125A	X	1.853	1.853	0	%100
122	M125A	Z	1.07	1.07	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	M4	X	.359	.359	0	%100
2	M4	Z	.622	.622	0	%100
3	M5	X	.392	.392	0	%100
4	M5	Z	.679	.679	0	%100
5	M10	X	1.437	1.437	0	%100
6	M10	Z	2.489	2.489	0	%100
7	M11	X	1.568	1.568	0	%100
8	M11	Z	2.716	2.716	0	%100
9	M16	X	.359	.359	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M16	Z	.622	.622	0	%100
11	M17	X	.392	.392	0	%100
12	M17	Z	.679	.679	0	%100
13	M21	X	1.144	1.144	0	%100
14	M21	Z	1.981	1.981	0	%100
15	M24	X	1.147	1.147	0	%100
16	M24	Z	1.987	1.987	0	%100
17	M27	X	1.144	1.144	0	%100
18	M27	Z	1.981	1.981	0	%100
19	M28	X	.303	.303	0	%100
20	M28	Z	.525	.525	0	%100
21	M29	X	1.217	1.217	0	%100
22	M29	Z	2.107	2.107	0	%100
23	M30	X	.305	.305	0	%100
24	M30	Z	.529	.529	0	%100
25	M31	X	.303	.303	0	%100
26	M31	Z	.525	.525	0	%100
27	M32	X	.305	.305	0	%100
28	M32	Z	.529	.529	0	%100
29	M33	X	1.217	1.217	0	%100
30	M33	Z	2.107	2.107	0	%100
31	M38	X	.388	.388	0	%100
32	M38	Z	.671	.671	0	%100
33	M39	X	.388	.388	0	%100
34	M39	Z	.671	.671	0	%100
35	M44	X	1.55	1.55	0	%100
36	M44	Z	2.685	2.685	0	%100
37	M45	X	1.55	1.55	0	%100
38	M45	Z	2.685	2.685	0	%100
39	M50	X	.388	.388	0	%100
40	M50	Z	.671	.671	0	%100
41	M51	X	.388	.388	0	%100
42	M51	Z	.671	.671	0	%100
43	M128	X	.25	.25	0	%100
44	M128	Z	.433	.433	0	%100
45	M129	X	.252	.252	0	%100
46	M129	Z	.437	.437	0	%100
47	M138	X	1.005	1.005	0	%100
48	M138	Z	1.74	1.74	0	%100
49	M141	X	1.005	1.005	0	%100
50	M141	Z	1.74	1.74	0	%100
51	M150	X	.252	.252	0	%100
52	M150	Z	.437	.437	0	%100
53	M153	X	.25	.25	0	%100
54	M153	Z	.433	.433	0	%100
55	M106	X	1.627	1.627	0	%100
56	M106	Z	2.817	2.817	0	%100
57	M106A	X	1.627	1.627	0	%100
58	M106A	Z	2.817	2.817	0	%100
59	M107A	X	0	0	0	%100
60	M107A	Z	0	0	0	%100
61	M94A	X	0	0	0	%100
62	M94A	Z	0	0	0	%100
63	M95	X	0	0	0	%100
64	M95	Z	0	0	0	%100
65	M96A	X	0	0	0	%100
66	M96A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M97	X	1.144	1.144	0	%100
68	M97	Z	1.981	1.981	0	%100
69	M98A	X	1.147	1.147	0	%100
70	M98A	Z	1.987	1.987	0	%100
71	M99	X	1.144	1.144	0	%100
72	M99	Z	1.981	1.981	0	%100
73	MP1A	X	1.676	1.676	0	%100
74	MP1A	Z	2.904	2.904	0	%100
75	MP2A	X	1.542	1.542	0	%100
76	MP2A	Z	2.67	2.67	0	%100
77	MP3A	X	1.676	1.676	0	%100
78	MP3A	Z	2.904	2.904	0	%100
79	MP4A	X	1.542	1.542	0	%100
80	MP4A	Z	2.67	2.67	0	%100
81	MP1C	X	1.676	1.676	0	%100
82	MP1C	Z	2.904	2.904	0	%100
83	MP2C	X	1.542	1.542	0	%100
84	MP2C	Z	2.67	2.67	0	%100
85	MP3C	X	1.676	1.676	0	%100
86	MP3C	Z	2.904	2.904	0	%100
87	MP4C	X	1.542	1.542	0	%100
88	MP4C	Z	2.67	2.67	0	%100
89	MP1B	X	1.676	1.676	0	%100
90	MP1B	Z	2.904	2.904	0	%100
91	MP2B	X	1.542	1.542	0	%100
92	MP2B	Z	2.67	2.67	0	%100
93	MP3B	X	1.676	1.676	0	%100
94	MP3B	Z	2.904	2.904	0	%100
95	MP4B	X	1.542	1.542	0	%100
96	MP4B	Z	2.67	2.67	0	%100
97	M95A	X	1.187	1.187	0	%100
98	M95A	Z	2.056	2.056	0	%100
99	M100	X	1.257	1.257	0	%100
100	M100	Z	2.178	2.178	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	1.257	1.257	0	%100
104	M110	Z	2.178	2.178	0	%100
105	M113	X	1.249	1.249	0	%100
106	M113	Z	2.164	2.164	0	%100
107	M116	X	1.249	1.249	0	%100
108	M116	Z	2.164	2.164	0	%100
109	M119	X	0	0	0	%100
110	M119	Z	0	0	0	%100
111	M123	X	1.708	1.708	0	%100
112	M123	Z	2.959	2.959	0	%100
113	M124A	X	.474	.474	0	%100
114	M124A	Z	.821	.821	0	%100
115	M122	X	1.42	1.42	0	%100
116	M122	Z	2.46	2.46	0	%100
117	M123A	X	1.314	1.314	0	%100
118	M123A	Z	2.276	2.276	0	%100
119	M124B	X	.477	.477	0	%100
120	M124B	Z	.826	.826	0	%100
121	M125A	X	1.788	1.788	0	%100
122	M125A	Z	3.096	3.096	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	2.155	2.155	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	2.352	2.352	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	2.155	2.155	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	2.352	2.352	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	3.049	3.049	0	%100
15	M24	X	0	0	0	%100
16	M24	Z	3.059	3.059	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	3.049	3.049	0	%100
19	M28	X	0	0	0	%100
20	M28	Z	3e-6	3e-6	0	%100
21	M29	X	0	0	0	%100
22	M29	Z	1.822	1.822	0	%100
23	M30	X	0	0	0	%100
24	M30	Z	1.827	1.827	0	%100
25	M31	X	0	0	0	%100
26	M31	Z	1.822	1.822	0	%100
27	M32	X	0	0	0	%100
28	M32	Z	3e-6	3e-6	0	%100
29	M33	X	0	0	0	%100
30	M33	Z	1.827	1.827	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	0	0	0	%100
35	M44	X	0	0	0	%100
36	M44	Z	2.325	2.325	0	%100
37	M45	X	0	0	0	%100
38	M45	Z	2.325	2.325	0	%100
39	M50	X	0	0	0	%100
40	M50	Z	2.325	2.325	0	%100
41	M51	X	0	0	0	%100
42	M51	Z	2.325	2.325	0	%100
43	M128	X	0	0	0	%100
44	M128	Z	3e-6	3e-6	0	%100
45	M129	X	0	0	0	%100
46	M129	Z	3e-6	3e-6	0	%100
47	M138	X	0	0	0	%100
48	M138	Z	1.505	1.505	0	%100
49	M141	X	0	0	0	%100
50	M141	Z	1.509	1.509	0	%100
51	M150	X	0	0	0	%100
52	M150	Z	1.509	1.509	0	%100
53	M153	X	0	0	0	%100
54	M153	Z	1.505	1.505	0	%100
55	M106	X	0	0	0	%100
56	M106	Z	1.084	1.084	0	%100
57	M106A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M106A	Z	4.338	4.338	0	%100
59	M107A	X	0	0	0	%100
60	M107A	Z	1.084	1.084	0	%100
61	M94A	X	0	0	0	%100
62	M94A	Z	.762	.762	0	%100
63	M95	X	0	0	0	%100
64	M95	Z	.765	.765	0	%100
65	M96A	X	0	0	0	%100
66	M96A	Z	.762	.762	0	%100
67	M97	X	0	0	0	%100
68	M97	Z	.762	.762	0	%100
69	M98A	X	0	0	0	%100
70	M98A	Z	.765	.765	0	%100
71	M99	X	0	0	0	%100
72	M99	Z	.762	.762	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	3.353	3.353	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	3.084	3.084	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	3.353	3.353	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	3.084	3.084	0	%100
81	MP1C	X	0	0	0	%100
82	MP1C	Z	3.353	3.353	0	%100
83	MP2C	X	0	0	0	%100
84	MP2C	Z	3.084	3.084	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	3.353	3.353	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	3.084	3.084	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	3.353	3.353	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	3.084	3.084	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	3.353	3.353	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	3.084	3.084	0	%100
97	M95A	X	0	0	0	%100
98	M95A	Z	2.374	2.374	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	3.353	3.353	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	.838	.838	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	.838	.838	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	.833	.833	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	3.332	3.332	0	%100
109	M119	X	0	0	0	%100
110	M119	Z	.833	.833	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	1.967	1.967	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	2.14	2.14	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M122	X	0	0	0	%100
116	M122	Z	3.853	3.853	0	%100
117	M123A	X	0	0	0	%100
118	M123A	Z	1.193	1.193	0	%100
119	M124B	X	0	0	0	%100
120	M124B	Z	1.39	1.39	0	%100
121	M125A	X	0	0	0	%100
122	M125A	Z	3.82	3.82	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	M4	X	-.359	-.359	0	%100
2	M4	Z	.622	.622	0	%100
3	M5	X	-.392	-.392	0	%100
4	M5	Z	.679	.679	0	%100
5	M10	X	-.359	-.359	0	%100
6	M10	Z	.622	.622	0	%100
7	M11	X	-.392	-.392	0	%100
8	M11	Z	.679	.679	0	%100
9	M16	X	-1.437	-1.437	0	%100
10	M16	Z	2.489	2.489	0	%100
11	M17	X	-1.568	-1.568	0	%100
12	M17	Z	2.716	2.716	0	%100
13	M21	X	-1.144	-1.144	0	%100
14	M21	Z	1.981	1.981	0	%100
15	M24	X	-1.147	-1.147	0	%100
16	M24	Z	1.987	1.987	0	%100
17	M27	X	-1.144	-1.144	0	%100
18	M27	Z	1.981	1.981	0	%100
19	M28	X	-.305	-.305	0	%100
20	M28	Z	.529	.529	0	%100
21	M29	X	-.303	-.303	0	%100
22	M29	Z	.525	.525	0	%100
23	M30	X	-1.217	-1.217	0	%100
24	M30	Z	2.107	2.107	0	%100
25	M31	X	-1.217	-1.217	0	%100
26	M31	Z	2.107	2.107	0	%100
27	M32	X	-.303	-.303	0	%100
28	M32	Z	.525	.525	0	%100
29	M33	X	-.305	-.305	0	%100
30	M33	Z	.529	.529	0	%100
31	M38	X	-.388	-.388	0	%100
32	M38	Z	.671	.671	0	%100
33	M39	X	-.388	-.388	0	%100
34	M39	Z	.671	.671	0	%100
35	M44	X	-.388	-.388	0	%100
36	M44	Z	.671	.671	0	%100
37	M45	X	-.388	-.388	0	%100
38	M45	Z	.671	.671	0	%100
39	M50	X	-1.55	-1.55	0	%100
40	M50	Z	2.685	2.685	0	%100
41	M51	X	-1.55	-1.55	0	%100
42	M51	Z	2.685	2.685	0	%100
43	M128	X	-.252	-.252	0	%100
44	M128	Z	.437	.437	0	%100
45	M129	X	-.25	-.25	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M129	Z	.433	.433	0	%100
47	M138	X	-.25	-.25	0	%100
48	M138	Z	.433	.433	0	%100
49	M141	X	-.252	-.252	0	%100
50	M141	Z	.437	.437	0	%100
51	M150	X	-1.005	-1.005	0	%100
52	M150	Z	1.74	1.74	0	%100
53	M153	X	-1.005	-1.005	0	%100
54	M153	Z	1.74	1.74	0	%100
55	M106	X	0	0	0	%100
56	M106	Z	0	0	0	%100
57	M106A	X	-1.627	-1.627	0	%100
58	M106A	Z	2.817	2.817	0	%100
59	M107A	X	-1.627	-1.627	0	%100
60	M107A	Z	2.817	2.817	0	%100
61	M94A	X	-1.144	-1.144	0	%100
62	M94A	Z	1.981	1.981	0	%100
63	M95	X	-1.147	-1.147	0	%100
64	M95	Z	1.987	1.987	0	%100
65	M96A	X	-1.144	-1.144	0	%100
66	M96A	Z	1.981	1.981	0	%100
67	M97	X	0	0	0	%100
68	M97	Z	0	0	0	%100
69	M98A	X	0	0	0	%100
70	M98A	Z	0	0	0	%100
71	M99	X	0	0	0	%100
72	M99	Z	0	0	0	%100
73	MP1A	X	-1.676	-1.676	0	%100
74	MP1A	Z	2.904	2.904	0	%100
75	MP2A	X	-1.542	-1.542	0	%100
76	MP2A	Z	2.67	2.67	0	%100
77	MP3A	X	-1.676	-1.676	0	%100
78	MP3A	Z	2.904	2.904	0	%100
79	MP4A	X	-1.542	-1.542	0	%100
80	MP4A	Z	2.67	2.67	0	%100
81	MP1C	X	-1.676	-1.676	0	%100
82	MP1C	Z	2.904	2.904	0	%100
83	MP2C	X	-1.542	-1.542	0	%100
84	MP2C	Z	2.67	2.67	0	%100
85	MP3C	X	-1.676	-1.676	0	%100
86	MP3C	Z	2.904	2.904	0	%100
87	MP4C	X	-1.542	-1.542	0	%100
88	MP4C	Z	2.67	2.67	0	%100
89	MP1B	X	-1.676	-1.676	0	%100
90	MP1B	Z	2.904	2.904	0	%100
91	MP2B	X	-1.542	-1.542	0	%100
92	MP2B	Z	2.67	2.67	0	%100
93	MP3B	X	-1.676	-1.676	0	%100
94	MP3B	Z	2.904	2.904	0	%100
95	MP4B	X	-1.542	-1.542	0	%100
96	MP4B	Z	2.67	2.67	0	%100
97	M95A	X	-1.187	-1.187	0	%100
98	M95A	Z	2.056	2.056	0	%100
99	M100	X	-1.257	-1.257	0	%100
100	M100	Z	2.178	2.178	0	%100
101	M105	X	-1.257	-1.257	0	%100
102	M105	Z	2.178	2.178	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	M116	X	-1.249	-1.249	0	%100
108	M116	Z	2.164	2.164	0	%100
109	M119	X	-1.249	-1.249	0	%100
110	M119	Z	2.164	2.164	0	%100
111	M123	X	-.477	-.477	0	%100
112	M123	Z	.826	.826	0	%100
113	M124A	X	-1.788	-1.788	0	%100
114	M124A	Z	3.096	3.096	0	%100
115	M122	X	-1.708	-1.708	0	%100
116	M122	Z	2.959	2.959	0	%100
117	M123A	X	-.474	-.474	0	%100
118	M123A	Z	.821	.821	0	%100
119	M124B	X	-1.42	-1.42	0	%100
120	M124B	Z	2.46	2.46	0	%100
121	M125A	X	-1.314	-1.314	0	%100
122	M125A	Z	2.276	2.276	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	M4	X	-1.867	-1.867	0	%100
2	M4	Z	1.078	1.078	0	%100
3	M5	X	-2.037	-2.037	0	%100
4	M5	Z	1.176	1.176	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-1.867	-1.867	0	%100
10	M16	Z	1.078	1.078	0	%100
11	M17	X	-2.037	-2.037	0	%100
12	M17	Z	1.176	1.176	0	%100
13	M21	X	-.66	-.66	0	%100
14	M21	Z	.381	.381	0	%100
15	M24	X	-.662	-.662	0	%100
16	M24	Z	.382	.382	0	%100
17	M27	X	-.66	-.66	0	%100
18	M27	Z	.381	.381	0	%100
19	M28	X	-1.582	-1.582	0	%100
20	M28	Z	.914	.914	0	%100
21	M29	X	-3e-6	-3e-6	0	%100
22	M29	Z	2e-6	2e-6	0	%100
23	M30	X	-1.578	-1.578	0	%100
24	M30	Z	.911	.911	0	%100
25	M31	X	-1.582	-1.582	0	%100
26	M31	Z	.914	.914	0	%100
27	M32	X	-1.578	-1.578	0	%100
28	M32	Z	.911	.911	0	%100
29	M33	X	-3e-6	-3e-6	0	%100
30	M33	Z	2e-6	2e-6	0	%100
31	M38	X	-2.014	-2.014	0	%100
32	M38	Z	1.163	1.163	0	%100
33	M39	X	-2.014	-2.014	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M39	Z	1.163	1.163	0	%100
35	M44	X	0	0	0	%100
36	M44	Z	0	0	0	%100
37	M45	X	0	0	0	%100
38	M45	Z	0	0	0	%100
39	M50	X	-2.014	-2.014	0	%100
40	M50	Z	1.163	1.163	0	%100
41	M51	X	-2.014	-2.014	0	%100
42	M51	Z	1.163	1.163	0	%100
43	M128	X	-1.307	-1.307	0	%100
44	M128	Z	.754	.754	0	%100
45	M129	X	-1.303	-1.303	0	%100
46	M129	Z	.752	.752	0	%100
47	M138	X	-2e-6	-2e-6	0	%100
48	M138	Z	1e-6	1e-6	0	%100
49	M141	X	-2e-6	-2e-6	0	%100
50	M141	Z	1e-6	1e-6	0	%100
51	M150	X	-1.303	-1.303	0	%100
52	M150	Z	.752	.752	0	%100
53	M153	X	-1.307	-1.307	0	%100
54	M153	Z	.754	.754	0	%100
55	M106	X	-.939	-.939	0	%100
56	M106	Z	.542	.542	0	%100
57	M106A	X	-.939	-.939	0	%100
58	M106A	Z	.542	.542	0	%100
59	M107A	X	-3.757	-3.757	0	%100
60	M107A	Z	2.169	2.169	0	%100
61	M94A	X	-2.641	-2.641	0	%100
62	M94A	Z	1.525	1.525	0	%100
63	M95	X	-2.649	-2.649	0	%100
64	M95	Z	1.529	1.529	0	%100
65	M96A	X	-2.641	-2.641	0	%100
66	M96A	Z	1.525	1.525	0	%100
67	M97	X	-.66	-.66	0	%100
68	M97	Z	.381	.381	0	%100
69	M98A	X	-.662	-.662	0	%100
70	M98A	Z	.382	.382	0	%100
71	M99	X	-.66	-.66	0	%100
72	M99	Z	.381	.381	0	%100
73	MP1A	X	-2.904	-2.904	0	%100
74	MP1A	Z	1.676	1.676	0	%100
75	MP2A	X	-2.67	-2.67	0	%100
76	MP2A	Z	1.542	1.542	0	%100
77	MP3A	X	-2.904	-2.904	0	%100
78	MP3A	Z	1.676	1.676	0	%100
79	MP4A	X	-2.67	-2.67	0	%100
80	MP4A	Z	1.542	1.542	0	%100
81	MP1C	X	-2.904	-2.904	0	%100
82	MP1C	Z	1.676	1.676	0	%100
83	MP2C	X	-2.67	-2.67	0	%100
84	MP2C	Z	1.542	1.542	0	%100
85	MP3C	X	-2.904	-2.904	0	%100
86	MP3C	Z	1.676	1.676	0	%100
87	MP4C	X	-2.67	-2.67	0	%100
88	MP4C	Z	1.542	1.542	0	%100
89	MP1B	X	-2.904	-2.904	0	%100
90	MP1B	Z	1.676	1.676	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP2B	X	-2.67	-2.67	0	%100
92	MP2B	Z	1.542	1.542	0	%100
93	MP3B	X	-2.904	-2.904	0	%100
94	MP3B	Z	1.676	1.676	0	%100
95	MP4B	X	-2.67	-2.67	0	%100
96	MP4B	Z	1.542	1.542	0	%100
97	M95A	X	-2.056	-2.056	0	%100
98	M95A	Z	1.187	1.187	0	%100
99	M100	X	-.726	-.726	0	%100
100	M100	Z	.419	.419	0	%100
101	M105	X	-2.904	-2.904	0	%100
102	M105	Z	1.676	1.676	0	%100
103	M110	X	-.726	-.726	0	%100
104	M110	Z	.419	.419	0	%100
105	M113	X	-.721	-.721	0	%100
106	M113	Z	.416	.416	0	%100
107	M116	X	-.721	-.721	0	%100
108	M116	Z	.416	.416	0	%100
109	M119	X	-2.885	-2.885	0	%100
110	M119	Z	1.666	1.666	0	%100
111	M123	X	-1.204	-1.204	0	%100
112	M123	Z	.695	.695	0	%100
113	M124A	X	-3.308	-3.308	0	%100
114	M124A	Z	1.91	1.91	0	%100
115	M122	X	-1.703	-1.703	0	%100
116	M122	Z	.983	.983	0	%100
117	M123A	X	-1.853	-1.853	0	%100
118	M123A	Z	1.07	1.07	0	%100
119	M124B	X	-3.337	-3.337	0	%100
120	M124B	Z	1.927	1.927	0	%100
121	M125A	X	-1.033	-1.033	0	%100
122	M125A	Z	.596	.596	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	M4	X	-2.874	-2.874	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	-3.136	-3.136	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	-.718	-.718	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	-.784	-.784	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-.718	-.718	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	-.784	-.784	0	%100
12	M17	Z	0	0	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	0	0	0	%100
15	M24	X	0	0	0	%100
16	M24	Z	0	0	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	-2.433	-2.433	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	-.611	-.611	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M29	Z	0	0	0	%100
23	M30	X	-.606	-.606	0	%100
24	M30	Z	0	0	0	%100
25	M31	X	-.611	-.611	0	%100
26	M31	Z	0	0	0	%100
27	M32	X	-2.433	-2.433	0	%100
28	M32	Z	0	0	0	%100
29	M33	X	-.606	-.606	0	%100
30	M33	Z	0	0	0	%100
31	M38	X	-3.101	-3.101	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	-3.101	-3.101	0	%100
34	M39	Z	0	0	0	%100
35	M44	X	-.775	-.775	0	%100
36	M44	Z	0	0	0	%100
37	M45	X	-.775	-.775	0	%100
38	M45	Z	0	0	0	%100
39	M50	X	-.775	-.775	0	%100
40	M50	Z	0	0	0	%100
41	M51	X	-.775	-.775	0	%100
42	M51	Z	0	0	0	%100
43	M128	X	-2.009	-2.009	0	%100
44	M128	Z	0	0	0	%100
45	M129	X	-2.009	-2.009	0	%100
46	M129	Z	0	0	0	%100
47	M138	X	-.504	-.504	0	%100
48	M138	Z	0	0	0	%100
49	M141	X	-.5	-.5	0	%100
50	M141	Z	0	0	0	%100
51	M150	X	-.5	-.5	0	%100
52	M150	Z	0	0	0	%100
53	M153	X	-.504	-.504	0	%100
54	M153	Z	0	0	0	%100
55	M106	X	-3.253	-3.253	0	%100
56	M106	Z	0	0	0	%100
57	M106A	X	0	0	0	%100
58	M106A	Z	0	0	0	%100
59	M107A	X	-3.253	-3.253	0	%100
60	M107A	Z	0	0	0	%100
61	M94A	X	-2.287	-2.287	0	%100
62	M94A	Z	0	0	0	%100
63	M95	X	-2.294	-2.294	0	%100
64	M95	Z	0	0	0	%100
65	M96A	X	-2.287	-2.287	0	%100
66	M96A	Z	0	0	0	%100
67	M97	X	-2.287	-2.287	0	%100
68	M97	Z	0	0	0	%100
69	M98A	X	-2.294	-2.294	0	%100
70	M98A	Z	0	0	0	%100
71	M99	X	-2.287	-2.287	0	%100
72	M99	Z	0	0	0	%100
73	MP1A	X	-3.353	-3.353	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	-3.084	-3.084	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	-3.353	-3.353	0	%100
78	MP3A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	MP4A	X	-3.084	-3.084	0	%100
80	MP4A	Z	0	0	0	%100
81	MP1C	X	-3.353	-3.353	0	%100
82	MP1C	Z	0	0	0	%100
83	MP2C	X	-3.084	-3.084	0	%100
84	MP2C	Z	0	0	0	%100
85	MP3C	X	-3.353	-3.353	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	-3.084	-3.084	0	%100
88	MP4C	Z	0	0	0	%100
89	MP1B	X	-3.353	-3.353	0	%100
90	MP1B	Z	0	0	0	%100
91	MP2B	X	-3.084	-3.084	0	%100
92	MP2B	Z	0	0	0	%100
93	MP3B	X	-3.353	-3.353	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	-3.084	-3.084	0	%100
96	MP4B	Z	0	0	0	%100
97	M95A	X	-2.374	-2.374	0	%100
98	M95A	Z	0	0	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	0	0	0	%100
101	M105	X	-2.515	-2.515	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	-2.515	-2.515	0	%100
104	M110	Z	0	0	0	%100
105	M113	X	-2.499	-2.499	0	%100
106	M113	Z	0	0	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	0	0	0	%100
109	M119	X	-2.499	-2.499	0	%100
110	M119	Z	0	0	0	%100
111	M123	X	-2.84	-2.84	0	%100
112	M123	Z	0	0	0	%100
113	M124A	X	-2.628	-2.628	0	%100
114	M124A	Z	0	0	0	%100
115	M122	X	-.954	-.954	0	%100
116	M122	Z	0	0	0	%100
117	M123A	X	-3.576	-3.576	0	%100
118	M123A	Z	0	0	0	%100
119	M124B	X	-3.416	-3.416	0	%100
120	M124B	Z	0	0	0	%100
121	M125A	X	-.948	-.948	0	%100
122	M125A	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	M4	X	-1.867	-1.867	0	%100
2	M4	Z	-1.078	-1.078	0	%100
3	M5	X	-2.037	-2.037	0	%100
4	M5	Z	-1.176	-1.176	0	%100
5	M10	X	-1.867	-1.867	0	%100
6	M10	Z	-1.078	-1.078	0	%100
7	M11	X	-2.037	-2.037	0	%100
8	M11	Z	-1.176	-1.176	0	%100
9	M16	X	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,%]
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M21	X	-.66	-.66	0	%100
14	M21	Z	-.381	-.381	0	%100
15	M24	X	-.662	-.662	0	%100
16	M24	Z	-.382	-.382	0	%100
17	M27	X	-.66	-.66	0	%100
18	M27	Z	-.381	-.381	0	%100
19	M28	X	-1.578	-1.578	0	%100
20	M28	Z	-.911	-.911	0	%100
21	M29	X	-1.582	-1.582	0	%100
22	M29	Z	-.914	-.914	0	%100
23	M30	X	-3e-6	-3e-6	0	%100
24	M30	Z	-2e-6	-2e-6	0	%100
25	M31	X	-3e-6	-3e-6	0	%100
26	M31	Z	-2e-6	-2e-6	0	%100
27	M32	X	-1.582	-1.582	0	%100
28	M32	Z	-.914	-.914	0	%100
29	M33	X	-1.578	-1.578	0	%100
30	M33	Z	-.911	-.911	0	%100
31	M38	X	-2.014	-2.014	0	%100
32	M38	Z	-1.163	-1.163	0	%100
33	M39	X	-2.014	-2.014	0	%100
34	M39	Z	-1.163	-1.163	0	%100
35	M44	X	-2.014	-2.014	0	%100
36	M44	Z	-1.163	-1.163	0	%100
37	M45	X	-2.014	-2.014	0	%100
38	M45	Z	-1.163	-1.163	0	%100
39	M50	X	0	0	0	%100
40	M50	Z	0	0	0	%100
41	M51	X	0	0	0	%100
42	M51	Z	0	0	0	%100
43	M128	X	-1.303	-1.303	0	%100
44	M128	Z	-.752	-.752	0	%100
45	M129	X	-1.307	-1.307	0	%100
46	M129	Z	-.754	-.754	0	%100
47	M138	X	-1.307	-1.307	0	%100
48	M138	Z	-.754	-.754	0	%100
49	M141	X	-1.303	-1.303	0	%100
50	M141	Z	-.752	-.752	0	%100
51	M150	X	-2e-6	-2e-6	0	%100
52	M150	Z	-1e-6	-1e-6	0	%100
53	M153	X	-2e-6	-2e-6	0	%100
54	M153	Z	-1e-6	-1e-6	0	%100
55	M106	X	-3.757	-3.757	0	%100
56	M106	Z	-2.169	-2.169	0	%100
57	M106A	X	-.939	-.939	0	%100
58	M106A	Z	-.542	-.542	0	%100
59	M107A	X	-.939	-.939	0	%100
60	M107A	Z	-.542	-.542	0	%100
61	M94A	X	-.66	-.66	0	%100
62	M94A	Z	-.381	-.381	0	%100
63	M95	X	-.662	-.662	0	%100
64	M95	Z	-.382	-.382	0	%100
65	M96A	X	-.66	-.66	0	%100
66	M96A	Z	-.381	-.381	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M97	X	-2.641	-2.641	0	%100
68	M97	Z	-1.525	-1.525	0	%100
69	M98A	X	-2.649	-2.649	0	%100
70	M98A	Z	-1.529	-1.529	0	%100
71	M99	X	-2.641	-2.641	0	%100
72	M99	Z	-1.525	-1.525	0	%100
73	MP1A	X	-2.904	-2.904	0	%100
74	MP1A	Z	-1.676	-1.676	0	%100
75	MP2A	X	-2.67	-2.67	0	%100
76	MP2A	Z	-1.542	-1.542	0	%100
77	MP3A	X	-2.904	-2.904	0	%100
78	MP3A	Z	-1.676	-1.676	0	%100
79	MP4A	X	-2.67	-2.67	0	%100
80	MP4A	Z	-1.542	-1.542	0	%100
81	MP1C	X	-2.904	-2.904	0	%100
82	MP1C	Z	-1.676	-1.676	0	%100
83	MP2C	X	-2.67	-2.67	0	%100
84	MP2C	Z	-1.542	-1.542	0	%100
85	MP3C	X	-2.904	-2.904	0	%100
86	MP3C	Z	-1.676	-1.676	0	%100
87	MP4C	X	-2.67	-2.67	0	%100
88	MP4C	Z	-1.542	-1.542	0	%100
89	MP1B	X	-2.904	-2.904	0	%100
90	MP1B	Z	-1.676	-1.676	0	%100
91	MP2B	X	-2.67	-2.67	0	%100
92	MP2B	Z	-1.542	-1.542	0	%100
93	MP3B	X	-2.904	-2.904	0	%100
94	MP3B	Z	-1.676	-1.676	0	%100
95	MP4B	X	-2.67	-2.67	0	%100
96	MP4B	Z	-1.542	-1.542	0	%100
97	M95A	X	-2.056	-2.056	0	%100
98	M95A	Z	-1.187	-1.187	0	%100
99	M100	X	-.726	-.726	0	%100
100	M100	Z	-.419	-.419	0	%100
101	M105	X	-.726	-.726	0	%100
102	M105	Z	-.419	-.419	0	%100
103	M110	X	-2.904	-2.904	0	%100
104	M110	Z	-1.676	-1.676	0	%100
105	M113	X	-2.885	-2.885	0	%100
106	M113	Z	-1.666	-1.666	0	%100
107	M116	X	-.721	-.721	0	%100
108	M116	Z	-.416	-.416	0	%100
109	M119	X	-.721	-.721	0	%100
110	M119	Z	-.416	-.416	0	%100
111	M123	X	-3.337	-3.337	0	%100
112	M123	Z	-1.927	-1.927	0	%100
113	M124A	X	-1.033	-1.033	0	%100
114	M124A	Z	-.596	-.596	0	%100
115	M122	X	-1.204	-1.204	0	%100
116	M122	Z	-.695	-.695	0	%100
117	M123A	X	-3.308	-3.308	0	%100
118	M123A	Z	-1.91	-1.91	0	%100
119	M124B	X	-1.703	-1.703	0	%100
120	M124B	Z	-.983	-.983	0	%100
121	M125A	X	-1.853	-1.853	0	%100
122	M125A	Z	-1.07	-1.07	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	M4	X	-.359	-.359	0	%100
2	M4	Z	-.622	-.622	0	%100
3	M5	X	-.392	-.392	0	%100
4	M5	Z	-.679	-.679	0	%100
5	M10	X	-1.437	-1.437	0	%100
6	M10	Z	-2.489	-2.489	0	%100
7	M11	X	-1.568	-1.568	0	%100
8	M11	Z	-2.716	-2.716	0	%100
9	M16	X	-.359	-.359	0	%100
10	M16	Z	-.622	-.622	0	%100
11	M17	X	-.392	-.392	0	%100
12	M17	Z	-.679	-.679	0	%100
13	M21	X	-1.144	-1.144	0	%100
14	M21	Z	-1.981	-1.981	0	%100
15	M24	X	-1.147	-1.147	0	%100
16	M24	Z	-1.987	-1.987	0	%100
17	M27	X	-1.144	-1.144	0	%100
18	M27	Z	-1.981	-1.981	0	%100
19	M28	X	-.303	-.303	0	%100
20	M28	Z	-.525	-.525	0	%100
21	M29	X	-1.217	-1.217	0	%100
22	M29	Z	-2.107	-2.107	0	%100
23	M30	X	-.305	-.305	0	%100
24	M30	Z	-.529	-.529	0	%100
25	M31	X	-.303	-.303	0	%100
26	M31	Z	-.525	-.525	0	%100
27	M32	X	-.305	-.305	0	%100
28	M32	Z	-.529	-.529	0	%100
29	M33	X	-1.217	-1.217	0	%100
30	M33	Z	-2.107	-2.107	0	%100
31	M38	X	-.388	-.388	0	%100
32	M38	Z	-.671	-.671	0	%100
33	M39	X	-.388	-.388	0	%100
34	M39	Z	-.671	-.671	0	%100
35	M44	X	-1.55	-1.55	0	%100
36	M44	Z	-2.685	-2.685	0	%100
37	M45	X	-1.55	-1.55	0	%100
38	M45	Z	-2.685	-2.685	0	%100
39	M50	X	-.388	-.388	0	%100
40	M50	Z	-.671	-.671	0	%100
41	M51	X	-.388	-.388	0	%100
42	M51	Z	-.671	-.671	0	%100
43	M128	X	-.25	-.25	0	%100
44	M128	Z	-.433	-.433	0	%100
45	M129	X	-.252	-.252	0	%100
46	M129	Z	-.437	-.437	0	%100
47	M138	X	-1.005	-1.005	0	%100
48	M138	Z	-1.74	-1.74	0	%100
49	M141	X	-1.005	-1.005	0	%100
50	M141	Z	-1.74	-1.74	0	%100
51	M150	X	-.252	-.252	0	%100
52	M150	Z	-.437	-.437	0	%100
53	M153	X	-.25	-.25	0	%100
54	M153	Z	-.433	-.433	0	%100
55	M106	X	-1.627	-1.627	0	%100
56	M106	Z	-2.817	-2.817	0	%100
57	M106A	X	-1.627	-1.627	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M106A	Z	-2.817	-2.817	0	%100
59	M107A	X	0	0	0	%100
60	M107A	Z	0	0	0	%100
61	M94A	X	0	0	0	%100
62	M94A	Z	0	0	0	%100
63	M95	X	0	0	0	%100
64	M95	Z	0	0	0	%100
65	M96A	X	0	0	0	%100
66	M96A	Z	0	0	0	%100
67	M97	X	-1.144	-1.144	0	%100
68	M97	Z	-1.981	-1.981	0	%100
69	M98A	X	-1.147	-1.147	0	%100
70	M98A	Z	-1.987	-1.987	0	%100
71	M99	X	-1.144	-1.144	0	%100
72	M99	Z	-1.981	-1.981	0	%100
73	MP1A	X	-1.676	-1.676	0	%100
74	MP1A	Z	-2.904	-2.904	0	%100
75	MP2A	X	-1.542	-1.542	0	%100
76	MP2A	Z	-2.67	-2.67	0	%100
77	MP3A	X	-1.676	-1.676	0	%100
78	MP3A	Z	-2.904	-2.904	0	%100
79	MP4A	X	-1.542	-1.542	0	%100
80	MP4A	Z	-2.67	-2.67	0	%100
81	MP1C	X	-1.676	-1.676	0	%100
82	MP1C	Z	-2.904	-2.904	0	%100
83	MP2C	X	-1.542	-1.542	0	%100
84	MP2C	Z	-2.67	-2.67	0	%100
85	MP3C	X	-1.676	-1.676	0	%100
86	MP3C	Z	-2.904	-2.904	0	%100
87	MP4C	X	-1.542	-1.542	0	%100
88	MP4C	Z	-2.67	-2.67	0	%100
89	MP1B	X	-1.676	-1.676	0	%100
90	MP1B	Z	-2.904	-2.904	0	%100
91	MP2B	X	-1.542	-1.542	0	%100
92	MP2B	Z	-2.67	-2.67	0	%100
93	MP3B	X	-1.676	-1.676	0	%100
94	MP3B	Z	-2.904	-2.904	0	%100
95	MP4B	X	-1.542	-1.542	0	%100
96	MP4B	Z	-2.67	-2.67	0	%100
97	M95A	X	-1.187	-1.187	0	%100
98	M95A	Z	-2.056	-2.056	0	%100
99	M100	X	-1.257	-1.257	0	%100
100	M100	Z	-2.178	-2.178	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	-1.257	-1.257	0	%100
104	M110	Z	-2.178	-2.178	0	%100
105	M113	X	-1.249	-1.249	0	%100
106	M113	Z	-2.164	-2.164	0	%100
107	M116	X	-1.249	-1.249	0	%100
108	M116	Z	-2.164	-2.164	0	%100
109	M119	X	0	0	0	%100
110	M119	Z	0	0	0	%100
111	M123	X	-1.708	-1.708	0	%100
112	M123	Z	-2.959	-2.959	0	%100
113	M124A	X	-.474	-.474	0	%100
114	M124A	Z	-.821	-.821	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M122	X	-1.42	-1.42	0	%100
116	M122	Z	-2.46	-2.46	0	%100
117	M123A	X	-1.314	-1.314	0	%100
118	M123A	Z	-2.276	-2.276	0	%100
119	M124B	X	-.477	-.477	0	%100
120	M124B	Z	-.826	-.826	0	%100
121	M125A	X	-1.788	-1.788	0	%100
122	M125A	Z	-3.096	-3.096	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.388	-.388	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	-.421	-.421	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	-.388	-.388	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	-.421	-.421	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	-.557	-.557	0	%100
15	M24	X	0	0	0	%100
16	M24	Z	-.558	-.558	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	-.557	-.557	0	%100
19	M28	X	0	0	0	%100
20	M28	Z	-1e-6	-1e-6	0	%100
21	M29	X	0	0	0	%100
22	M29	Z	-.298	-.298	0	%100
23	M30	X	0	0	0	%100
24	M30	Z	-.299	-.299	0	%100
25	M31	X	0	0	0	%100
26	M31	Z	-.298	-.298	0	%100
27	M32	X	0	0	0	%100
28	M32	Z	-1e-6	-1e-6	0	%100
29	M33	X	0	0	0	%100
30	M33	Z	-.299	-.299	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	0	0	0	%100
35	M44	X	0	0	0	%100
36	M44	Z	-.487	-.487	0	%100
37	M45	X	0	0	0	%100
38	M45	Z	-.487	-.487	0	%100
39	M50	X	0	0	0	%100
40	M50	Z	-.487	-.487	0	%100
41	M51	X	0	0	0	%100
42	M51	Z	-.487	-.487	0	%100
43	M128	X	0	0	0	%100
44	M128	Z	0	0	0	%100
45	M129	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M129	Z	0	0	0	%100
47	M138	X	0	0	0	%100
48	M138	Z	-.243	-.243	0	%100
49	M141	X	0	0	0	%100
50	M141	Z	-.243	-.243	0	%100
51	M150	X	0	0	0	%100
52	M150	Z	-.243	-.243	0	%100
53	M153	X	0	0	0	%100
54	M153	Z	-.243	-.243	0	%100
55	M106	X	0	0	0	%100
56	M106	Z	-.291	-.291	0	%100
57	M106A	X	0	0	0	%100
58	M106A	Z	-1.163	-1.163	0	%100
59	M107A	X	0	0	0	%100
60	M107A	Z	-.291	-.291	0	%100
61	M94A	X	0	0	0	%100
62	M94A	Z	-.139	-.139	0	%100
63	M95	X	0	0	0	%100
64	M95	Z	-.14	-.14	0	%100
65	M96A	X	0	0	0	%100
66	M96A	Z	-.139	-.139	0	%100
67	M97	X	0	0	0	%100
68	M97	Z	-.139	-.139	0	%100
69	M98A	X	0	0	0	%100
70	M98A	Z	-.14	-.14	0	%100
71	M99	X	0	0	0	%100
72	M99	Z	-.139	-.139	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	-.557	-.557	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	-.46	-.46	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	-.557	-.557	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-.46	-.46	0	%100
81	MP1C	X	0	0	0	%100
82	MP1C	Z	-.557	-.557	0	%100
83	MP2C	X	0	0	0	%100
84	MP2C	Z	-.46	-.46	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	-.557	-.557	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-.46	-.46	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	-.557	-.557	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	-.46	-.46	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	-.557	-.557	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-.46	-.46	0	%100
97	M95A	X	0	0	0	%100
98	M95A	Z	-.376	-.376	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	-.557	-.557	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	-.139	-.139	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	M110	X	0	0	0	%100
104	M110	Z	-.139	-.139	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	-.184	-.184	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	-.736	-.736	0	%100
109	M119	X	0	0	0	%100
110	M119	Z	-.184	-.184	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-.408	-.408	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	-.441	-.441	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	-.8	-.8	0	%100
117	M123A	X	0	0	0	%100
118	M123A	Z	-.246	-.246	0	%100
119	M124B	X	0	0	0	%100
120	M124B	Z	-.289	-.289	0	%100
121	M125A	X	0	0	0	%100
122	M125A	Z	-.787	-.787	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.065	.065	0	%100
2	M4	Z	-.112	-.112	0	%100
3	M5	X	.07	.07	0	%100
4	M5	Z	-.122	-.122	0	%100
5	M10	X	.065	.065	0	%100
6	M10	Z	-.112	-.112	0	%100
7	M11	X	.07	.07	0	%100
8	M11	Z	-.122	-.122	0	%100
9	M16	X	.259	.259	0	%100
10	M16	Z	-.448	-.448	0	%100
11	M17	X	.281	.281	0	%100
12	M17	Z	-.486	-.486	0	%100
13	M21	X	.209	.209	0	%100
14	M21	Z	-.362	-.362	0	%100
15	M24	X	.209	.209	0	%100
16	M24	Z	-.363	-.363	0	%100
17	M27	X	.209	.209	0	%100
18	M27	Z	-.362	-.362	0	%100
19	M28	X	.05	.05	0	%100
20	M28	Z	-.087	-.087	0	%100
21	M29	X	.05	.05	0	%100
22	M29	Z	-.086	-.086	0	%100
23	M30	X	.199	.199	0	%100
24	M30	Z	-.345	-.345	0	%100
25	M31	X	.199	.199	0	%100
26	M31	Z	-.345	-.345	0	%100
27	M32	X	.05	.05	0	%100
28	M32	Z	-.086	-.086	0	%100
29	M33	X	.05	.05	0	%100
30	M33	Z	-.087	-.087	0	%100
31	M38	X	.081	.081	0	%100
32	M38	Z	-.14	-.14	0	%100
33	M39	X	.081	.081	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M39	Z	-.14	-.14	0	%100
35	M44	X	.081	.081	0	%100
36	M44	Z	-.14	-.14	0	%100
37	M45	X	.081	.081	0	%100
38	M45	Z	-.14	-.14	0	%100
39	M50	X	.324	.324	0	%100
40	M50	Z	-.562	-.562	0	%100
41	M51	X	.324	.324	0	%100
42	M51	Z	-.562	-.562	0	%100
43	M128	X	.041	.041	0	%100
44	M128	Z	-.07	-.07	0	%100
45	M129	X	.04	.04	0	%100
46	M129	Z	-.07	-.07	0	%100
47	M138	X	.04	.04	0	%100
48	M138	Z	-.07	-.07	0	%100
49	M141	X	.041	.041	0	%100
50	M141	Z	-.07	-.07	0	%100
51	M150	X	.162	.162	0	%100
52	M150	Z	-.281	-.281	0	%100
53	M153	X	.162	.162	0	%100
54	M153	Z	-.281	-.281	0	%100
55	M106	X	0	0	0	%100
56	M106	Z	0	0	0	%100
57	M106A	X	.436	.436	0	%100
58	M106A	Z	-.755	-.755	0	%100
59	M107A	X	.436	.436	0	%100
60	M107A	Z	-.755	-.755	0	%100
61	M94A	X	.209	.209	0	%100
62	M94A	Z	-.362	-.362	0	%100
63	M95	X	.209	.209	0	%100
64	M95	Z	-.363	-.363	0	%100
65	M96A	X	.209	.209	0	%100
66	M96A	Z	-.362	-.362	0	%100
67	M97	X	0	0	0	%100
68	M97	Z	0	0	0	%100
69	M98A	X	0	0	0	%100
70	M98A	Z	0	0	0	%100
71	M99	X	0	0	0	%100
72	M99	Z	0	0	0	%100
73	MP1A	X	.279	.279	0	%100
74	MP1A	Z	-.483	-.483	0	%100
75	MP2A	X	.23	.23	0	%100
76	MP2A	Z	-.399	-.399	0	%100
77	MP3A	X	.279	.279	0	%100
78	MP3A	Z	-.483	-.483	0	%100
79	MP4A	X	.23	.23	0	%100
80	MP4A	Z	-.399	-.399	0	%100
81	MP1C	X	.279	.279	0	%100
82	MP1C	Z	-.483	-.483	0	%100
83	MP2C	X	.23	.23	0	%100
84	MP2C	Z	-.399	-.399	0	%100
85	MP3C	X	.279	.279	0	%100
86	MP3C	Z	-.483	-.483	0	%100
87	MP4C	X	.23	.23	0	%100
88	MP4C	Z	-.399	-.399	0	%100
89	MP1B	X	.279	.279	0	%100
90	MP1B	Z	-.483	-.483	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP2B	X	.23	.23	0	%100
92	MP2B	Z	-.399	-.399	0	%100
93	MP3B	X	.279	.279	0	%100
94	MP3B	Z	-.483	-.483	0	%100
95	MP4B	X	.23	.23	0	%100
96	MP4B	Z	-.399	-.399	0	%100
97	M95A	X	.188	.188	0	%100
98	M95A	Z	-.326	-.326	0	%100
99	M100	X	.209	.209	0	%100
100	M100	Z	-.362	-.362	0	%100
101	M105	X	.209	.209	0	%100
102	M105	Z	-.362	-.362	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	M116	X	.276	.276	0	%100
108	M116	Z	-.478	-.478	0	%100
109	M119	X	.276	.276	0	%100
110	M119	Z	-.478	-.478	0	%100
111	M123	X	.099	.099	0	%100
112	M123	Z	-.171	-.171	0	%100
113	M124A	X	.368	.368	0	%100
114	M124A	Z	-.638	-.638	0	%100
115	M122	X	.355	.355	0	%100
116	M122	Z	-.614	-.614	0	%100
117	M123A	X	.098	.098	0	%100
118	M123A	Z	-.169	-.169	0	%100
119	M124B	X	.295	.295	0	%100
120	M124B	Z	-.511	-.511	0	%100
121	M125A	X	.271	.271	0	%100
122	M125A	Z	-.469	-.469	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	M4	X	.336	.336	0	%100
2	M4	Z	-.194	-.194	0	%100
3	M5	X	.365	.365	0	%100
4	M5	Z	-.211	-.211	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	.336	.336	0	%100
10	M16	Z	-.194	-.194	0	%100
11	M17	X	.365	.365	0	%100
12	M17	Z	-.211	-.211	0	%100
13	M21	X	.121	.121	0	%100
14	M21	Z	-.07	-.07	0	%100
15	M24	X	.121	.121	0	%100
16	M24	Z	-.07	-.07	0	%100
17	M27	X	.121	.121	0	%100
18	M27	Z	-.07	-.07	0	%100
19	M28	X	.259	.259	0	%100
20	M28	Z	-.15	-.15	0	%100
21	M29	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M29	Z	0	0	0	%100
23	M30	X	.258	.258	0	%100
24	M30	Z	-.149	-.149	0	%100
25	M31	X	.259	.259	0	%100
26	M31	Z	-.15	-.15	0	%100
27	M32	X	.258	.258	0	%100
28	M32	Z	-.149	-.149	0	%100
29	M33	X	0	0	0	%100
30	M33	Z	0	0	0	%100
31	M38	X	.421	.421	0	%100
32	M38	Z	-.243	-.243	0	%100
33	M39	X	.421	.421	0	%100
34	M39	Z	-.243	-.243	0	%100
35	M44	X	0	0	0	%100
36	M44	Z	0	0	0	%100
37	M45	X	0	0	0	%100
38	M45	Z	0	0	0	%100
39	M50	X	.421	.421	0	%100
40	M50	Z	-.243	-.243	0	%100
41	M51	X	.421	.421	0	%100
42	M51	Z	-.243	-.243	0	%100
43	M128	X	.211	.211	0	%100
44	M128	Z	-.122	-.122	0	%100
45	M129	X	.21	.21	0	%100
46	M129	Z	-.121	-.121	0	%100
47	M138	X	0	0	0	%100
48	M138	Z	0	0	0	%100
49	M141	X	0	0	0	%100
50	M141	Z	0	0	0	%100
51	M150	X	.21	.21	0	%100
52	M150	Z	-.121	-.121	0	%100
53	M153	X	.211	.211	0	%100
54	M153	Z	-.122	-.122	0	%100
55	M106	X	.252	.252	0	%100
56	M106	Z	-.145	-.145	0	%100
57	M106A	X	.252	.252	0	%100
58	M106A	Z	-.145	-.145	0	%100
59	M107A	X	1.007	1.007	0	%100
60	M107A	Z	-.582	-.582	0	%100
61	M94A	X	.482	.482	0	%100
62	M94A	Z	-.278	-.278	0	%100
63	M95	X	.483	.483	0	%100
64	M95	Z	-.279	-.279	0	%100
65	M96A	X	.482	.482	0	%100
66	M96A	Z	-.278	-.278	0	%100
67	M97	X	.121	.121	0	%100
68	M97	Z	-.07	-.07	0	%100
69	M98A	X	.121	.121	0	%100
70	M98A	Z	-.07	-.07	0	%100
71	M99	X	.121	.121	0	%100
72	M99	Z	-.07	-.07	0	%100
73	MP1A	X	.483	.483	0	%100
74	MP1A	Z	-.279	-.279	0	%100
75	MP2A	X	.399	.399	0	%100
76	MP2A	Z	-.23	-.23	0	%100
77	MP3A	X	.483	.483	0	%100
78	MP3A	Z	-.279	-.279	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	MP4A	X	.399	.399	0	%100
80	MP4A	Z	-.23	-.23	0	%100
81	MP1C	X	.483	.483	0	%100
82	MP1C	Z	-.279	-.279	0	%100
83	MP2C	X	.399	.399	0	%100
84	MP2C	Z	-.23	-.23	0	%100
85	MP3C	X	.483	.483	0	%100
86	MP3C	Z	-.279	-.279	0	%100
87	MP4C	X	.399	.399	0	%100
88	MP4C	Z	-.23	-.23	0	%100
89	MP1B	X	.483	.483	0	%100
90	MP1B	Z	-.279	-.279	0	%100
91	MP2B	X	.399	.399	0	%100
92	MP2B	Z	-.23	-.23	0	%100
93	MP3B	X	.483	.483	0	%100
94	MP3B	Z	-.279	-.279	0	%100
95	MP4B	X	.399	.399	0	%100
96	MP4B	Z	-.23	-.23	0	%100
97	M95A	X	.326	.326	0	%100
98	M95A	Z	-.188	-.188	0	%100
99	M100	X	.121	.121	0	%100
100	M100	Z	-.07	-.07	0	%100
101	M105	X	.483	.483	0	%100
102	M105	Z	-.279	-.279	0	%100
103	M110	X	.121	.121	0	%100
104	M110	Z	-.07	-.07	0	%100
105	M113	X	.159	.159	0	%100
106	M113	Z	-.092	-.092	0	%100
107	M116	X	.159	.159	0	%100
108	M116	Z	-.092	-.092	0	%100
109	M119	X	.638	.638	0	%100
110	M119	Z	-.368	-.368	0	%100
111	M123	X	.25	.25	0	%100
112	M123	Z	-.144	-.144	0	%100
113	M124A	X	.681	.681	0	%100
114	M124A	Z	-.393	-.393	0	%100
115	M122	X	.354	.354	0	%100
116	M122	Z	-.204	-.204	0	%100
117	M123A	X	.382	.382	0	%100
118	M123A	Z	-.22	-.22	0	%100
119	M124B	X	.693	.693	0	%100
120	M124B	Z	-.4	-.4	0	%100
121	M125A	X	.213	.213	0	%100
122	M125A	Z	-.123	-.123	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	M4	X	.517	.517	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	.561	.561	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	.129	.129	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	.14	.14	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	.129	.129	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M16	Z	0	0	0	%100
11	M17	X	.14	.14	0	%100
12	M17	Z	0	0	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	0	0	0	%100
15	M24	X	0	0	0	%100
16	M24	Z	0	0	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	.398	.398	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	.1	.1	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	.099	.099	0	%100
24	M30	Z	0	0	0	%100
25	M31	X	.1	.1	0	%100
26	M31	Z	0	0	0	%100
27	M32	X	.398	.398	0	%100
28	M32	Z	0	0	0	%100
29	M33	X	.099	.099	0	%100
30	M33	Z	0	0	0	%100
31	M38	X	.649	.649	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	.649	.649	0	%100
34	M39	Z	0	0	0	%100
35	M44	X	.162	.162	0	%100
36	M44	Z	0	0	0	%100
37	M45	X	.162	.162	0	%100
38	M45	Z	0	0	0	%100
39	M50	X	.162	.162	0	%100
40	M50	Z	0	0	0	%100
41	M51	X	.162	.162	0	%100
42	M51	Z	0	0	0	%100
43	M128	X	.324	.324	0	%100
44	M128	Z	0	0	0	%100
45	M129	X	.324	.324	0	%100
46	M129	Z	0	0	0	%100
47	M138	X	.081	.081	0	%100
48	M138	Z	0	0	0	%100
49	M141	X	.081	.081	0	%100
50	M141	Z	0	0	0	%100
51	M150	X	.081	.081	0	%100
52	M150	Z	0	0	0	%100
53	M153	X	.081	.081	0	%100
54	M153	Z	0	0	0	%100
55	M106	X	.872	.872	0	%100
56	M106	Z	0	0	0	%100
57	M106A	X	0	0	0	%100
58	M106A	Z	0	0	0	%100
59	M107A	X	.872	.872	0	%100
60	M107A	Z	0	0	0	%100
61	M94A	X	.417	.417	0	%100
62	M94A	Z	0	0	0	%100
63	M95	X	.419	.419	0	%100
64	M95	Z	0	0	0	%100
65	M96A	X	.417	.417	0	%100
66	M96A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M97	X	.417	.417	0	%100
68	M97	Z	0	0	0	%100
69	M98A	X	.419	.419	0	%100
70	M98A	Z	0	0	0	%100
71	M99	X	.417	.417	0	%100
72	M99	Z	0	0	0	%100
73	MP1A	X	.557	.557	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	.46	.46	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	.557	.557	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	.46	.46	0	%100
80	MP4A	Z	0	0	0	%100
81	MP1C	X	.557	.557	0	%100
82	MP1C	Z	0	0	0	%100
83	MP2C	X	.46	.46	0	%100
84	MP2C	Z	0	0	0	%100
85	MP3C	X	.557	.557	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	.46	.46	0	%100
88	MP4C	Z	0	0	0	%100
89	MP1B	X	.557	.557	0	%100
90	MP1B	Z	0	0	0	%100
91	MP2B	X	.46	.46	0	%100
92	MP2B	Z	0	0	0	%100
93	MP3B	X	.557	.557	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	.46	.46	0	%100
96	MP4B	Z	0	0	0	%100
97	M95A	X	.376	.376	0	%100
98	M95A	Z	0	0	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	0	0	0	%100
101	M105	X	.418	.418	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	.418	.418	0	%100
104	M110	Z	0	0	0	%100
105	M113	X	.552	.552	0	%100
106	M113	Z	0	0	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	0	0	0	%100
109	M119	X	.552	.552	0	%100
110	M119	Z	0	0	0	%100
111	M123	X	.59	.59	0	%100
112	M123	Z	0	0	0	%100
113	M124A	X	.541	.541	0	%100
114	M124A	Z	0	0	0	%100
115	M122	X	.198	.198	0	%100
116	M122	Z	0	0	0	%100
117	M123A	X	.737	.737	0	%100
118	M123A	Z	0	0	0	%100
119	M124B	X	.709	.709	0	%100
120	M124B	Z	0	0	0	%100
121	M125A	X	.195	.195	0	%100
122	M125A	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	M4	X	.336	.336	0	%100
2	M4	Z	.194	.194	0	%100
3	M5	X	.365	.365	0	%100
4	M5	Z	.211	.211	0	%100
5	M10	X	.336	.336	0	%100
6	M10	Z	.194	.194	0	%100
7	M11	X	.365	.365	0	%100
8	M11	Z	.211	.211	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M21	X	.121	.121	0	%100
14	M21	Z	.07	.07	0	%100
15	M24	X	.121	.121	0	%100
16	M24	Z	.07	.07	0	%100
17	M27	X	.121	.121	0	%100
18	M27	Z	.07	.07	0	%100
19	M28	X	.258	.258	0	%100
20	M28	Z	.149	.149	0	%100
21	M29	X	.259	.259	0	%100
22	M29	Z	.15	.15	0	%100
23	M30	X	0	0	0	%100
24	M30	Z	0	0	0	%100
25	M31	X	0	0	0	%100
26	M31	Z	0	0	0	%100
27	M32	X	.259	.259	0	%100
28	M32	Z	.15	.15	0	%100
29	M33	X	.258	.258	0	%100
30	M33	Z	.149	.149	0	%100
31	M38	X	.421	.421	0	%100
32	M38	Z	.243	.243	0	%100
33	M39	X	.421	.421	0	%100
34	M39	Z	.243	.243	0	%100
35	M44	X	.421	.421	0	%100
36	M44	Z	.243	.243	0	%100
37	M45	X	.421	.421	0	%100
38	M45	Z	.243	.243	0	%100
39	M50	X	0	0	0	%100
40	M50	Z	0	0	0	%100
41	M51	X	0	0	0	%100
42	M51	Z	0	0	0	%100
43	M128	X	.21	.21	0	%100
44	M128	Z	.121	.121	0	%100
45	M129	X	.211	.211	0	%100
46	M129	Z	.122	.122	0	%100
47	M138	X	.211	.211	0	%100
48	M138	Z	.122	.122	0	%100
49	M141	X	.21	.21	0	%100
50	M141	Z	.121	.121	0	%100
51	M150	X	0	0	0	%100
52	M150	Z	0	0	0	%100
53	M153	X	0	0	0	%100
54	M153	Z	0	0	0	%100
55	M106	X	1.007	1.007	0	%100
56	M106	Z	.582	.582	0	%100
57	M106A	X	.252	.252	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M106A	Z	.145	.145	0	%100
59	M107A	X	.252	.252	0	%100
60	M107A	Z	.145	.145	0	%100
61	M94A	X	.121	.121	0	%100
62	M94A	Z	.07	.07	0	%100
63	M95	X	.121	.121	0	%100
64	M95	Z	.07	.07	0	%100
65	M96A	X	.121	.121	0	%100
66	M96A	Z	.07	.07	0	%100
67	M97	X	.482	.482	0	%100
68	M97	Z	.278	.278	0	%100
69	M98A	X	.483	.483	0	%100
70	M98A	Z	.279	.279	0	%100
71	M99	X	.482	.482	0	%100
72	M99	Z	.278	.278	0	%100
73	MP1A	X	.483	.483	0	%100
74	MP1A	Z	.279	.279	0	%100
75	MP2A	X	.399	.399	0	%100
76	MP2A	Z	.23	.23	0	%100
77	MP3A	X	.483	.483	0	%100
78	MP3A	Z	.279	.279	0	%100
79	MP4A	X	.399	.399	0	%100
80	MP4A	Z	.23	.23	0	%100
81	MP1C	X	.483	.483	0	%100
82	MP1C	Z	.279	.279	0	%100
83	MP2C	X	.399	.399	0	%100
84	MP2C	Z	.23	.23	0	%100
85	MP3C	X	.483	.483	0	%100
86	MP3C	Z	.279	.279	0	%100
87	MP4C	X	.399	.399	0	%100
88	MP4C	Z	.23	.23	0	%100
89	MP1B	X	.483	.483	0	%100
90	MP1B	Z	.279	.279	0	%100
91	MP2B	X	.399	.399	0	%100
92	MP2B	Z	.23	.23	0	%100
93	MP3B	X	.483	.483	0	%100
94	MP3B	Z	.279	.279	0	%100
95	MP4B	X	.399	.399	0	%100
96	MP4B	Z	.23	.23	0	%100
97	M95A	X	.326	.326	0	%100
98	M95A	Z	.188	.188	0	%100
99	M100	X	.121	.121	0	%100
100	M100	Z	.07	.07	0	%100
101	M105	X	.121	.121	0	%100
102	M105	Z	.07	.07	0	%100
103	M110	X	.483	.483	0	%100
104	M110	Z	.279	.279	0	%100
105	M113	X	.638	.638	0	%100
106	M113	Z	.368	.368	0	%100
107	M116	X	.159	.159	0	%100
108	M116	Z	.092	.092	0	%100
109	M119	X	.159	.159	0	%100
110	M119	Z	.092	.092	0	%100
111	M123	X	.693	.693	0	%100
112	M123	Z	.4	.4	0	%100
113	M124A	X	.213	.213	0	%100
114	M124A	Z	.123	.123	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M122	X	.25	.25	0	%100
116	M122	Z	.144	.144	0	%100
117	M123A	X	.681	.681	0	%100
118	M123A	Z	.393	.393	0	%100
119	M124B	X	.354	.354	0	%100
120	M124B	Z	.204	.204	0	%100
121	M125A	X	.382	.382	0	%100
122	M125A	Z	.22	.22	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	M4	X	.065	.065	0	%100
2	M4	Z	.112	.112	0	%100
3	M5	X	.07	.07	0	%100
4	M5	Z	.122	.122	0	%100
5	M10	X	.259	.259	0	%100
6	M10	Z	.448	.448	0	%100
7	M11	X	.281	.281	0	%100
8	M11	Z	.486	.486	0	%100
9	M16	X	.065	.065	0	%100
10	M16	Z	.112	.112	0	%100
11	M17	X	.07	.07	0	%100
12	M17	Z	.122	.122	0	%100
13	M21	X	.209	.209	0	%100
14	M21	Z	.362	.362	0	%100
15	M24	X	.209	.209	0	%100
16	M24	Z	.363	.363	0	%100
17	M27	X	.209	.209	0	%100
18	M27	Z	.362	.362	0	%100
19	M28	X	.05	.05	0	%100
20	M28	Z	.086	.086	0	%100
21	M29	X	.199	.199	0	%100
22	M29	Z	.345	.345	0	%100
23	M30	X	.05	.05	0	%100
24	M30	Z	.087	.087	0	%100
25	M31	X	.05	.05	0	%100
26	M31	Z	.086	.086	0	%100
27	M32	X	.05	.05	0	%100
28	M32	Z	.087	.087	0	%100
29	M33	X	.199	.199	0	%100
30	M33	Z	.345	.345	0	%100
31	M38	X	.081	.081	0	%100
32	M38	Z	.14	.14	0	%100
33	M39	X	.081	.081	0	%100
34	M39	Z	.14	.14	0	%100
35	M44	X	.324	.324	0	%100
36	M44	Z	.562	.562	0	%100
37	M45	X	.324	.324	0	%100
38	M45	Z	.562	.562	0	%100
39	M50	X	.081	.081	0	%100
40	M50	Z	.14	.14	0	%100
41	M51	X	.081	.081	0	%100
42	M51	Z	.14	.14	0	%100
43	M128	X	.04	.04	0	%100
44	M128	Z	.07	.07	0	%100
45	M129	X	.041	.041	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M129	Z	.07	.07	0	%100
47	M138	X	.162	.162	0	%100
48	M138	Z	.281	.281	0	%100
49	M141	X	.162	.162	0	%100
50	M141	Z	.281	.281	0	%100
51	M150	X	.041	.041	0	%100
52	M150	Z	.07	.07	0	%100
53	M153	X	.04	.04	0	%100
54	M153	Z	.07	.07	0	%100
55	M106	X	.436	.436	0	%100
56	M106	Z	.755	.755	0	%100
57	M106A	X	.436	.436	0	%100
58	M106A	Z	.755	.755	0	%100
59	M107A	X	0	0	0	%100
60	M107A	Z	0	0	0	%100
61	M94A	X	0	0	0	%100
62	M94A	Z	0	0	0	%100
63	M95	X	0	0	0	%100
64	M95	Z	0	0	0	%100
65	M96A	X	0	0	0	%100
66	M96A	Z	0	0	0	%100
67	M97	X	.209	.209	0	%100
68	M97	Z	.362	.362	0	%100
69	M98A	X	.209	.209	0	%100
70	M98A	Z	.363	.363	0	%100
71	M99	X	.209	.209	0	%100
72	M99	Z	.362	.362	0	%100
73	MP1A	X	.279	.279	0	%100
74	MP1A	Z	.483	.483	0	%100
75	MP2A	X	.23	.23	0	%100
76	MP2A	Z	.399	.399	0	%100
77	MP3A	X	.279	.279	0	%100
78	MP3A	Z	.483	.483	0	%100
79	MP4A	X	.23	.23	0	%100
80	MP4A	Z	.399	.399	0	%100
81	MP1C	X	.279	.279	0	%100
82	MP1C	Z	.483	.483	0	%100
83	MP2C	X	.23	.23	0	%100
84	MP2C	Z	.399	.399	0	%100
85	MP3C	X	.279	.279	0	%100
86	MP3C	Z	.483	.483	0	%100
87	MP4C	X	.23	.23	0	%100
88	MP4C	Z	.399	.399	0	%100
89	MP1B	X	.279	.279	0	%100
90	MP1B	Z	.483	.483	0	%100
91	MP2B	X	.23	.23	0	%100
92	MP2B	Z	.399	.399	0	%100
93	MP3B	X	.279	.279	0	%100
94	MP3B	Z	.483	.483	0	%100
95	MP4B	X	.23	.23	0	%100
96	MP4B	Z	.399	.399	0	%100
97	M95A	X	.188	.188	0	%100
98	M95A	Z	.326	.326	0	%100
99	M100	X	.209	.209	0	%100
100	M100	Z	.362	.362	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	M110	X	.209	.209	0	%100
104	M110	Z	.362	.362	0	%100
105	M113	X	.276	.276	0	%100
106	M113	Z	.478	.478	0	%100
107	M116	X	.276	.276	0	%100
108	M116	Z	.478	.478	0	%100
109	M119	X	0	0	0	%100
110	M119	Z	0	0	0	%100
111	M123	X	.355	.355	0	%100
112	M123	Z	.614	.614	0	%100
113	M124A	X	.098	.098	0	%100
114	M124A	Z	.169	.169	0	%100
115	M122	X	.295	.295	0	%100
116	M122	Z	.511	.511	0	%100
117	M123A	X	.271	.271	0	%100
118	M123A	Z	.469	.469	0	%100
119	M124B	X	.099	.099	0	%100
120	M124B	Z	.171	.171	0	%100
121	M125A	X	.368	.368	0	%100
122	M125A	Z	.638	.638	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.388	.388	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	.421	.421	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	.388	.388	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	.421	.421	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	.557	.557	0	%100
15	M24	X	0	0	0	%100
16	M24	Z	.558	.558	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	.557	.557	0	%100
19	M28	X	0	0	0	%100
20	M28	Z	1e-6	1e-6	0	%100
21	M29	X	0	0	0	%100
22	M29	Z	.298	.298	0	%100
23	M30	X	0	0	0	%100
24	M30	Z	.299	.299	0	%100
25	M31	X	0	0	0	%100
26	M31	Z	.298	.298	0	%100
27	M32	X	0	0	0	%100
28	M32	Z	1e-6	1e-6	0	%100
29	M33	X	0	0	0	%100
30	M33	Z	.299	.299	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M39	Z	0	0	0	%100
35	M44	X	0	0	0	%100
36	M44	Z	.487	.487	0	%100
37	M45	X	0	0	0	%100
38	M45	Z	.487	.487	0	%100
39	M50	X	0	0	0	%100
40	M50	Z	.487	.487	0	%100
41	M51	X	0	0	0	%100
42	M51	Z	.487	.487	0	%100
43	M128	X	0	0	0	%100
44	M128	Z	0	0	0	%100
45	M129	X	0	0	0	%100
46	M129	Z	0	0	0	%100
47	M138	X	0	0	0	%100
48	M138	Z	.243	.243	0	%100
49	M141	X	0	0	0	%100
50	M141	Z	.243	.243	0	%100
51	M150	X	0	0	0	%100
52	M150	Z	.243	.243	0	%100
53	M153	X	0	0	0	%100
54	M153	Z	.243	.243	0	%100
55	M106	X	0	0	0	%100
56	M106	Z	.291	.291	0	%100
57	M106A	X	0	0	0	%100
58	M106A	Z	1.163	1.163	0	%100
59	M107A	X	0	0	0	%100
60	M107A	Z	.291	.291	0	%100
61	M94A	X	0	0	0	%100
62	M94A	Z	.139	.139	0	%100
63	M95	X	0	0	0	%100
64	M95	Z	.14	.14	0	%100
65	M96A	X	0	0	0	%100
66	M96A	Z	.139	.139	0	%100
67	M97	X	0	0	0	%100
68	M97	Z	.139	.139	0	%100
69	M98A	X	0	0	0	%100
70	M98A	Z	.14	.14	0	%100
71	M99	X	0	0	0	%100
72	M99	Z	.139	.139	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	.557	.557	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	.46	.46	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	.557	.557	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	.46	.46	0	%100
81	MP1C	X	0	0	0	%100
82	MP1C	Z	.557	.557	0	%100
83	MP2C	X	0	0	0	%100
84	MP2C	Z	.46	.46	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	.557	.557	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	.46	.46	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	.557	.557	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP2B	X	0	0	0	%100
92	MP2B	Z	.46	.46	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	.557	.557	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	.46	.46	0	%100
97	M95A	X	0	0	0	%100
98	M95A	Z	.376	.376	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	.557	.557	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	.139	.139	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	.139	.139	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	.184	.184	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	.736	.736	0	%100
109	M119	X	0	0	0	%100
110	M119	Z	.184	.184	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.408	.408	0	%100
113	M124A	X	0	0	0	%100
114	M124A	Z	.441	.441	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	.8	.8	0	%100
117	M123A	X	0	0	0	%100
118	M123A	Z	.246	.246	0	%100
119	M124B	X	0	0	0	%100
120	M124B	Z	.289	.289	0	%100
121	M125A	X	0	0	0	%100
122	M125A	Z	.787	.787	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	M4	X	-.065	-.065	0	%100
2	M4	Z	.112	.112	0	%100
3	M5	X	-.07	-.07	0	%100
4	M5	Z	.122	.122	0	%100
5	M10	X	-.065	-.065	0	%100
6	M10	Z	.112	.112	0	%100
7	M11	X	-.07	-.07	0	%100
8	M11	Z	.122	.122	0	%100
9	M16	X	-.259	-.259	0	%100
10	M16	Z	.448	.448	0	%100
11	M17	X	-.281	-.281	0	%100
12	M17	Z	.486	.486	0	%100
13	M21	X	-.209	-.209	0	%100
14	M21	Z	.362	.362	0	%100
15	M24	X	-.209	-.209	0	%100
16	M24	Z	.363	.363	0	%100
17	M27	X	-.209	-.209	0	%100
18	M27	Z	.362	.362	0	%100
19	M28	X	-.05	-.05	0	%100
20	M28	Z	.087	.087	0	%100
21	M29	X	-.05	-.05	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M29	Z	.086	.086	0	%100
23	M30	X	-.199	-.199	0	%100
24	M30	Z	.345	.345	0	%100
25	M31	X	-.199	-.199	0	%100
26	M31	Z	.345	.345	0	%100
27	M32	X	-.05	-.05	0	%100
28	M32	Z	.086	.086	0	%100
29	M33	X	-.05	-.05	0	%100
30	M33	Z	.087	.087	0	%100
31	M38	X	-.081	-.081	0	%100
32	M38	Z	.14	.14	0	%100
33	M39	X	-.081	-.081	0	%100
34	M39	Z	.14	.14	0	%100
35	M44	X	-.081	-.081	0	%100
36	M44	Z	.14	.14	0	%100
37	M45	X	-.081	-.081	0	%100
38	M45	Z	.14	.14	0	%100
39	M50	X	-.324	-.324	0	%100
40	M50	Z	.562	.562	0	%100
41	M51	X	-.324	-.324	0	%100
42	M51	Z	.562	.562	0	%100
43	M128	X	-.041	-.041	0	%100
44	M128	Z	.07	.07	0	%100
45	M129	X	-.04	-.04	0	%100
46	M129	Z	.07	.07	0	%100
47	M138	X	-.04	-.04	0	%100
48	M138	Z	.07	.07	0	%100
49	M141	X	-.041	-.041	0	%100
50	M141	Z	.07	.07	0	%100
51	M150	X	-.162	-.162	0	%100
52	M150	Z	.281	.281	0	%100
53	M153	X	-.162	-.162	0	%100
54	M153	Z	.281	.281	0	%100
55	M106	X	0	0	0	%100
56	M106	Z	0	0	0	%100
57	M106A	X	-.436	-.436	0	%100
58	M106A	Z	.755	.755	0	%100
59	M107A	X	-.436	-.436	0	%100
60	M107A	Z	.755	.755	0	%100
61	M94A	X	-.209	-.209	0	%100
62	M94A	Z	.362	.362	0	%100
63	M95	X	-.209	-.209	0	%100
64	M95	Z	.363	.363	0	%100
65	M96A	X	-.209	-.209	0	%100
66	M96A	Z	.362	.362	0	%100
67	M97	X	0	0	0	%100
68	M97	Z	0	0	0	%100
69	M98A	X	0	0	0	%100
70	M98A	Z	0	0	0	%100
71	M99	X	0	0	0	%100
72	M99	Z	0	0	0	%100
73	MP1A	X	-.279	-.279	0	%100
74	MP1A	Z	.483	.483	0	%100
75	MP2A	X	-.23	-.23	0	%100
76	MP2A	Z	.399	.399	0	%100
77	MP3A	X	-.279	-.279	0	%100
78	MP3A	Z	.483	.483	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	MP4A	X	-.23	-.23	0	%100
80	MP4A	Z	.399	.399	0	%100
81	MP1C	X	-.279	-.279	0	%100
82	MP1C	Z	.483	.483	0	%100
83	MP2C	X	-.23	-.23	0	%100
84	MP2C	Z	.399	.399	0	%100
85	MP3C	X	-.279	-.279	0	%100
86	MP3C	Z	.483	.483	0	%100
87	MP4C	X	-.23	-.23	0	%100
88	MP4C	Z	.399	.399	0	%100
89	MP1B	X	-.279	-.279	0	%100
90	MP1B	Z	.483	.483	0	%100
91	MP2B	X	-.23	-.23	0	%100
92	MP2B	Z	.399	.399	0	%100
93	MP3B	X	-.279	-.279	0	%100
94	MP3B	Z	.483	.483	0	%100
95	MP4B	X	-.23	-.23	0	%100
96	MP4B	Z	.399	.399	0	%100
97	M95A	X	-.188	-.188	0	%100
98	M95A	Z	.326	.326	0	%100
99	M100	X	-.209	-.209	0	%100
100	M100	Z	.362	.362	0	%100
101	M105	X	-.209	-.209	0	%100
102	M105	Z	.362	.362	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M113	X	0	0	0	%100
106	M113	Z	0	0	0	%100
107	M116	X	-.276	-.276	0	%100
108	M116	Z	.478	.478	0	%100
109	M119	X	-.276	-.276	0	%100
110	M119	Z	.478	.478	0	%100
111	M123	X	-.099	-.099	0	%100
112	M123	Z	.171	.171	0	%100
113	M124A	X	-.368	-.368	0	%100
114	M124A	Z	.638	.638	0	%100
115	M122	X	-.355	-.355	0	%100
116	M122	Z	.614	.614	0	%100
117	M123A	X	-.098	-.098	0	%100
118	M123A	Z	.169	.169	0	%100
119	M124B	X	-.295	-.295	0	%100
120	M124B	Z	.511	.511	0	%100
121	M125A	X	-.271	-.271	0	%100
122	M125A	Z	.469	.469	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	M4	X	-.336	-.336	0	%100
2	M4	Z	.194	.194	0	%100
3	M5	X	-.365	-.365	0	%100
4	M5	Z	.211	.211	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-.336	-.336	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M16	Z	.194	.194	0	%100
11	M17	X	-.365	-.365	0	%100
12	M17	Z	.211	.211	0	%100
13	M21	X	-.121	-.121	0	%100
14	M21	Z	.07	.07	0	%100
15	M24	X	-.121	-.121	0	%100
16	M24	Z	.07	.07	0	%100
17	M27	X	-.121	-.121	0	%100
18	M27	Z	.07	.07	0	%100
19	M28	X	-.259	-.259	0	%100
20	M28	Z	.15	.15	0	%100
21	M29	X	0	0	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	-.258	-.258	0	%100
24	M30	Z	.149	.149	0	%100
25	M31	X	-.259	-.259	0	%100
26	M31	Z	.15	.15	0	%100
27	M32	X	-.258	-.258	0	%100
28	M32	Z	.149	.149	0	%100
29	M33	X	0	0	0	%100
30	M33	Z	0	0	0	%100
31	M38	X	-.421	-.421	0	%100
32	M38	Z	.243	.243	0	%100
33	M39	X	-.421	-.421	0	%100
34	M39	Z	.243	.243	0	%100
35	M44	X	0	0	0	%100
36	M44	Z	0	0	0	%100
37	M45	X	0	0	0	%100
38	M45	Z	0	0	0	%100
39	M50	X	-.421	-.421	0	%100
40	M50	Z	.243	.243	0	%100
41	M51	X	-.421	-.421	0	%100
42	M51	Z	.243	.243	0	%100
43	M128	X	-.211	-.211	0	%100
44	M128	Z	.122	.122	0	%100
45	M129	X	-.21	-.21	0	%100
46	M129	Z	.121	.121	0	%100
47	M138	X	0	0	0	%100
48	M138	Z	0	0	0	%100
49	M141	X	0	0	0	%100
50	M141	Z	0	0	0	%100
51	M150	X	-.21	-.21	0	%100
52	M150	Z	.121	.121	0	%100
53	M153	X	-.211	-.211	0	%100
54	M153	Z	.122	.122	0	%100
55	M106	X	-.252	-.252	0	%100
56	M106	Z	.145	.145	0	%100
57	M106A	X	-.252	-.252	0	%100
58	M106A	Z	.145	.145	0	%100
59	M107A	X	-1.007	-1.007	0	%100
60	M107A	Z	.582	.582	0	%100
61	M94A	X	-.482	-.482	0	%100
62	M94A	Z	.278	.278	0	%100
63	M95	X	-.483	-.483	0	%100
64	M95	Z	.279	.279	0	%100
65	M96A	X	-.482	-.482	0	%100
66	M96A	Z	.278	.278	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M97	X	-.121	-.121	0	%100
68	M97	Z	.07	.07	0	%100
69	M98A	X	-.121	-.121	0	%100
70	M98A	Z	.07	.07	0	%100
71	M99	X	-.121	-.121	0	%100
72	M99	Z	.07	.07	0	%100
73	MP1A	X	-.483	-.483	0	%100
74	MP1A	Z	.279	.279	0	%100
75	MP2A	X	-.399	-.399	0	%100
76	MP2A	Z	.23	.23	0	%100
77	MP3A	X	-.483	-.483	0	%100
78	MP3A	Z	.279	.279	0	%100
79	MP4A	X	-.399	-.399	0	%100
80	MP4A	Z	.23	.23	0	%100
81	MP1C	X	-.483	-.483	0	%100
82	MP1C	Z	.279	.279	0	%100
83	MP2C	X	-.399	-.399	0	%100
84	MP2C	Z	.23	.23	0	%100
85	MP3C	X	-.483	-.483	0	%100
86	MP3C	Z	.279	.279	0	%100
87	MP4C	X	-.399	-.399	0	%100
88	MP4C	Z	.23	.23	0	%100
89	MP1B	X	-.483	-.483	0	%100
90	MP1B	Z	.279	.279	0	%100
91	MP2B	X	-.399	-.399	0	%100
92	MP2B	Z	.23	.23	0	%100
93	MP3B	X	-.483	-.483	0	%100
94	MP3B	Z	.279	.279	0	%100
95	MP4B	X	-.399	-.399	0	%100
96	MP4B	Z	.23	.23	0	%100
97	M95A	X	-.326	-.326	0	%100
98	M95A	Z	.188	.188	0	%100
99	M100	X	-.121	-.121	0	%100
100	M100	Z	.07	.07	0	%100
101	M105	X	-.483	-.483	0	%100
102	M105	Z	.279	.279	0	%100
103	M110	X	-.121	-.121	0	%100
104	M110	Z	.07	.07	0	%100
105	M113	X	-.159	-.159	0	%100
106	M113	Z	.092	.092	0	%100
107	M116	X	-.159	-.159	0	%100
108	M116	Z	.092	.092	0	%100
109	M119	X	-.638	-.638	0	%100
110	M119	Z	.368	.368	0	%100
111	M123	X	-.25	-.25	0	%100
112	M123	Z	.144	.144	0	%100
113	M124A	X	-.681	-.681	0	%100
114	M124A	Z	.393	.393	0	%100
115	M122	X	-.354	-.354	0	%100
116	M122	Z	.204	.204	0	%100
117	M123A	X	-.382	-.382	0	%100
118	M123A	Z	.22	.22	0	%100
119	M124B	X	-.693	-.693	0	%100
120	M124B	Z	.4	.4	0	%100
121	M125A	X	-.213	-.213	0	%100
122	M125A	Z	.123	.123	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	M4	X	-.517	-.517	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	-.561	-.561	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	-.129	-.129	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	-.14	-.14	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-.129	-.129	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	-.14	-.14	0	%100
12	M17	Z	0	0	0	%100
13	M21	X	0	0	0	%100
14	M21	Z	0	0	0	%100
15	M24	X	0	0	0	%100
16	M24	Z	0	0	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	-.398	-.398	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	-.1	-.1	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	-.099	-.099	0	%100
24	M30	Z	0	0	0	%100
25	M31	X	-.1	-.1	0	%100
26	M31	Z	0	0	0	%100
27	M32	X	-.398	-.398	0	%100
28	M32	Z	0	0	0	%100
29	M33	X	-.099	-.099	0	%100
30	M33	Z	0	0	0	%100
31	M38	X	-.649	-.649	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	-.649	-.649	0	%100
34	M39	Z	0	0	0	%100
35	M44	X	-.162	-.162	0	%100
36	M44	Z	0	0	0	%100
37	M45	X	-.162	-.162	0	%100
38	M45	Z	0	0	0	%100
39	M50	X	-.162	-.162	0	%100
40	M50	Z	0	0	0	%100
41	M51	X	-.162	-.162	0	%100
42	M51	Z	0	0	0	%100
43	M128	X	-.324	-.324	0	%100
44	M128	Z	0	0	0	%100
45	M129	X	-.324	-.324	0	%100
46	M129	Z	0	0	0	%100
47	M138	X	-.081	-.081	0	%100
48	M138	Z	0	0	0	%100
49	M141	X	-.081	-.081	0	%100
50	M141	Z	0	0	0	%100
51	M150	X	-.081	-.081	0	%100
52	M150	Z	0	0	0	%100
53	M153	X	-.081	-.081	0	%100
54	M153	Z	0	0	0	%100
55	M106	X	-.872	-.872	0	%100
56	M106	Z	0	0	0	%100
57	M106A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M106A	Z	0	0	0	%100
59	M107A	X	-.872	-.872	0	%100
60	M107A	Z	0	0	0	%100
61	M94A	X	-.417	-.417	0	%100
62	M94A	Z	0	0	0	%100
63	M95	X	-.419	-.419	0	%100
64	M95	Z	0	0	0	%100
65	M96A	X	-.417	-.417	0	%100
66	M96A	Z	0	0	0	%100
67	M97	X	-.417	-.417	0	%100
68	M97	Z	0	0	0	%100
69	M98A	X	-.419	-.419	0	%100
70	M98A	Z	0	0	0	%100
71	M99	X	-.417	-.417	0	%100
72	M99	Z	0	0	0	%100
73	MP1A	X	-.557	-.557	0	%100
74	MP1A	Z	0	0	0	%100
75	MP2A	X	-.46	-.46	0	%100
76	MP2A	Z	0	0	0	%100
77	MP3A	X	-.557	-.557	0	%100
78	MP3A	Z	0	0	0	%100
79	MP4A	X	-.46	-.46	0	%100
80	MP4A	Z	0	0	0	%100
81	MP1C	X	-.557	-.557	0	%100
82	MP1C	Z	0	0	0	%100
83	MP2C	X	-.46	-.46	0	%100
84	MP2C	Z	0	0	0	%100
85	MP3C	X	-.557	-.557	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	-.46	-.46	0	%100
88	MP4C	Z	0	0	0	%100
89	MP1B	X	-.557	-.557	0	%100
90	MP1B	Z	0	0	0	%100
91	MP2B	X	-.46	-.46	0	%100
92	MP2B	Z	0	0	0	%100
93	MP3B	X	-.557	-.557	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	-.46	-.46	0	%100
96	MP4B	Z	0	0	0	%100
97	M95A	X	-.376	-.376	0	%100
98	M95A	Z	0	0	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	0	0	0	%100
101	M105	X	-.418	-.418	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	-.418	-.418	0	%100
104	M110	Z	0	0	0	%100
105	M113	X	-.552	-.552	0	%100
106	M113	Z	0	0	0	%100
107	M116	X	0	0	0	%100
108	M116	Z	0	0	0	%100
109	M119	X	-.552	-.552	0	%100
110	M119	Z	0	0	0	%100
111	M123	X	-.59	-.59	0	%100
112	M123	Z	0	0	0	%100
113	M124A	X	-.541	-.541	0	%100
114	M124A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M122	X	-.198	-.198	0	%100
116	M122	Z	0	0	0	%100
117	M123A	X	-.737	-.737	0	%100
118	M123A	Z	0	0	0	%100
119	M124B	X	-.709	-.709	0	%100
120	M124B	Z	0	0	0	%100
121	M125A	X	-.195	-.195	0	%100
122	M125A	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	M4	X	-.336	-.336	0	%100
2	M4	Z	-.194	-.194	0	%100
3	M5	X	-.365	-.365	0	%100
4	M5	Z	-.211	-.211	0	%100
5	M10	X	-.336	-.336	0	%100
6	M10	Z	-.194	-.194	0	%100
7	M11	X	-.365	-.365	0	%100
8	M11	Z	-.211	-.211	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M21	X	-.121	-.121	0	%100
14	M21	Z	-.07	-.07	0	%100
15	M24	X	-.121	-.121	0	%100
16	M24	Z	-.07	-.07	0	%100
17	M27	X	-.121	-.121	0	%100
18	M27	Z	-.07	-.07	0	%100
19	M28	X	-.258	-.258	0	%100
20	M28	Z	-.149	-.149	0	%100
21	M29	X	-.259	-.259	0	%100
22	M29	Z	-.15	-.15	0	%100
23	M30	X	0	0	0	%100
24	M30	Z	0	0	0	%100
25	M31	X	0	0	0	%100
26	M31	Z	0	0	0	%100
27	M32	X	-.259	-.259	0	%100
28	M32	Z	-.15	-.15	0	%100
29	M33	X	-.258	-.258	0	%100
30	M33	Z	-.149	-.149	0	%100
31	M38	X	-.421	-.421	0	%100
32	M38	Z	-.243	-.243	0	%100
33	M39	X	-.421	-.421	0	%100
34	M39	Z	-.243	-.243	0	%100
35	M44	X	-.421	-.421	0	%100
36	M44	Z	-.243	-.243	0	%100
37	M45	X	-.421	-.421	0	%100
38	M45	Z	-.243	-.243	0	%100
39	M50	X	0	0	0	%100
40	M50	Z	0	0	0	%100
41	M51	X	0	0	0	%100
42	M51	Z	0	0	0	%100
43	M128	X	-.21	-.21	0	%100
44	M128	Z	-.121	-.121	0	%100
45	M129	X	-.211	-.211	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M129	Z	-.122	-.122	0	%100
47	M138	X	-.211	-.211	0	%100
48	M138	Z	-.122	-.122	0	%100
49	M141	X	-.21	-.21	0	%100
50	M141	Z	-.121	-.121	0	%100
51	M150	X	0	0	0	%100
52	M150	Z	0	0	0	%100
53	M153	X	0	0	0	%100
54	M153	Z	0	0	0	%100
55	M106	X	-1.007	-1.007	0	%100
56	M106	Z	-.582	-.582	0	%100
57	M106A	X	-.252	-.252	0	%100
58	M106A	Z	-.145	-.145	0	%100
59	M107A	X	-.252	-.252	0	%100
60	M107A	Z	-.145	-.145	0	%100
61	M94A	X	-.121	-.121	0	%100
62	M94A	Z	-.07	-.07	0	%100
63	M95	X	-.121	-.121	0	%100
64	M95	Z	-.07	-.07	0	%100
65	M96A	X	-.121	-.121	0	%100
66	M96A	Z	-.07	-.07	0	%100
67	M97	X	-.482	-.482	0	%100
68	M97	Z	-.278	-.278	0	%100
69	M98A	X	-.483	-.483	0	%100
70	M98A	Z	-.279	-.279	0	%100
71	M99	X	-.482	-.482	0	%100
72	M99	Z	-.278	-.278	0	%100
73	MP1A	X	-.483	-.483	0	%100
74	MP1A	Z	-.279	-.279	0	%100
75	MP2A	X	-.399	-.399	0	%100
76	MP2A	Z	-.23	-.23	0	%100
77	MP3A	X	-.483	-.483	0	%100
78	MP3A	Z	-.279	-.279	0	%100
79	MP4A	X	-.399	-.399	0	%100
80	MP4A	Z	-.23	-.23	0	%100
81	MP1C	X	-.483	-.483	0	%100
82	MP1C	Z	-.279	-.279	0	%100
83	MP2C	X	-.399	-.399	0	%100
84	MP2C	Z	-.23	-.23	0	%100
85	MP3C	X	-.483	-.483	0	%100
86	MP3C	Z	-.279	-.279	0	%100
87	MP4C	X	-.399	-.399	0	%100
88	MP4C	Z	-.23	-.23	0	%100
89	MP1B	X	-.483	-.483	0	%100
90	MP1B	Z	-.279	-.279	0	%100
91	MP2B	X	-.399	-.399	0	%100
92	MP2B	Z	-.23	-.23	0	%100
93	MP3B	X	-.483	-.483	0	%100
94	MP3B	Z	-.279	-.279	0	%100
95	MP4B	X	-.399	-.399	0	%100
96	MP4B	Z	-.23	-.23	0	%100
97	M95A	X	-.326	-.326	0	%100
98	M95A	Z	-.188	-.188	0	%100
99	M100	X	-.121	-.121	0	%100
100	M100	Z	-.07	-.07	0	%100
101	M105	X	-.121	-.121	0	%100
102	M105	Z	-.07	-.07	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	M110	X	-.483	-.483	0	%100
104	M110	Z	-.279	-.279	0	%100
105	M113	X	-.638	-.638	0	%100
106	M113	Z	-.368	-.368	0	%100
107	M116	X	-.159	-.159	0	%100
108	M116	Z	-.092	-.092	0	%100
109	M119	X	-.159	-.159	0	%100
110	M119	Z	-.092	-.092	0	%100
111	M123	X	-.693	-.693	0	%100
112	M123	Z	-.4	-.4	0	%100
113	M124A	X	-.213	-.213	0	%100
114	M124A	Z	-.123	-.123	0	%100
115	M122	X	-.25	-.25	0	%100
116	M122	Z	-.144	-.144	0	%100
117	M123A	X	-.681	-.681	0	%100
118	M123A	Z	-.393	-.393	0	%100
119	M124B	X	-.354	-.354	0	%100
120	M124B	Z	-.204	-.204	0	%100
121	M125A	X	-.382	-.382	0	%100
122	M125A	Z	-.22	-.22	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	M4	X	-.065	-.065	0	%100
2	M4	Z	-.112	-.112	0	%100
3	M5	X	-.07	-.07	0	%100
4	M5	Z	-.122	-.122	0	%100
5	M10	X	-.259	-.259	0	%100
6	M10	Z	-.448	-.448	0	%100
7	M11	X	-.281	-.281	0	%100
8	M11	Z	-.486	-.486	0	%100
9	M16	X	-.065	-.065	0	%100
10	M16	Z	-.112	-.112	0	%100
11	M17	X	-.07	-.07	0	%100
12	M17	Z	-.122	-.122	0	%100
13	M21	X	-.209	-.209	0	%100
14	M21	Z	-.362	-.362	0	%100
15	M24	X	-.209	-.209	0	%100
16	M24	Z	-.363	-.363	0	%100
17	M27	X	-.209	-.209	0	%100
18	M27	Z	-.362	-.362	0	%100
19	M28	X	-.05	-.05	0	%100
20	M28	Z	-.086	-.086	0	%100
21	M29	X	-.199	-.199	0	%100
22	M29	Z	-.345	-.345	0	%100
23	M30	X	-.05	-.05	0	%100
24	M30	Z	-.087	-.087	0	%100
25	M31	X	-.05	-.05	0	%100
26	M31	Z	-.086	-.086	0	%100
27	M32	X	-.05	-.05	0	%100
28	M32	Z	-.087	-.087	0	%100
29	M33	X	-.199	-.199	0	%100
30	M33	Z	-.345	-.345	0	%100
31	M38	X	-.081	-.081	0	%100
32	M38	Z	-.14	-.14	0	%100
33	M39	X	-.081	-.081	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M39	Z	-.14	-.14	0	%100
35	M44	X	-.324	-.324	0	%100
36	M44	Z	-.562	-.562	0	%100
37	M45	X	-.324	-.324	0	%100
38	M45	Z	-.562	-.562	0	%100
39	M50	X	-.081	-.081	0	%100
40	M50	Z	-.14	-.14	0	%100
41	M51	X	-.081	-.081	0	%100
42	M51	Z	-.14	-.14	0	%100
43	M128	X	-.04	-.04	0	%100
44	M128	Z	-.07	-.07	0	%100
45	M129	X	-.041	-.041	0	%100
46	M129	Z	-.07	-.07	0	%100
47	M138	X	-.162	-.162	0	%100
48	M138	Z	-.281	-.281	0	%100
49	M141	X	-.162	-.162	0	%100
50	M141	Z	-.281	-.281	0	%100
51	M150	X	-.041	-.041	0	%100
52	M150	Z	-.07	-.07	0	%100
53	M153	X	-.04	-.04	0	%100
54	M153	Z	-.07	-.07	0	%100
55	M106	X	-.436	-.436	0	%100
56	M106	Z	-.755	-.755	0	%100
57	M106A	X	-.436	-.436	0	%100
58	M106A	Z	-.755	-.755	0	%100
59	M107A	X	0	0	0	%100
60	M107A	Z	0	0	0	%100
61	M94A	X	0	0	0	%100
62	M94A	Z	0	0	0	%100
63	M95	X	0	0	0	%100
64	M95	Z	0	0	0	%100
65	M96A	X	0	0	0	%100
66	M96A	Z	0	0	0	%100
67	M97	X	-.209	-.209	0	%100
68	M97	Z	-.362	-.362	0	%100
69	M98A	X	-.209	-.209	0	%100
70	M98A	Z	-.363	-.363	0	%100
71	M99	X	-.209	-.209	0	%100
72	M99	Z	-.362	-.362	0	%100
73	MP1A	X	-.279	-.279	0	%100
74	MP1A	Z	-.483	-.483	0	%100
75	MP2A	X	-.23	-.23	0	%100
76	MP2A	Z	-.399	-.399	0	%100
77	MP3A	X	-.279	-.279	0	%100
78	MP3A	Z	-.483	-.483	0	%100
79	MP4A	X	-.23	-.23	0	%100
80	MP4A	Z	-.399	-.399	0	%100
81	MP1C	X	-.279	-.279	0	%100
82	MP1C	Z	-.483	-.483	0	%100
83	MP2C	X	-.23	-.23	0	%100
84	MP2C	Z	-.399	-.399	0	%100
85	MP3C	X	-.279	-.279	0	%100
86	MP3C	Z	-.483	-.483	0	%100
87	MP4C	X	-.23	-.23	0	%100
88	MP4C	Z	-.399	-.399	0	%100
89	MP1B	X	-.279	-.279	0	%100
90	MP1B	Z	-.483	-.483	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP2B	X	-.23	-.23	0	%100
92	MP2B	Z	-.399	-.399	0	%100
93	MP3B	X	-.279	-.279	0	%100
94	MP3B	Z	-.483	-.483	0	%100
95	MP4B	X	-.23	-.23	0	%100
96	MP4B	Z	-.399	-.399	0	%100
97	M95A	X	-.188	-.188	0	%100
98	M95A	Z	-.326	-.326	0	%100
99	M100	X	-.209	-.209	0	%100
100	M100	Z	-.362	-.362	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	-.209	-.209	0	%100
104	M110	Z	-.362	-.362	0	%100
105	M113	X	-.276	-.276	0	%100
106	M113	Z	-.478	-.478	0	%100
107	M116	X	-.276	-.276	0	%100
108	M116	Z	-.478	-.478	0	%100
109	M119	X	0	0	0	%100
110	M119	Z	0	0	0	%100
111	M123	X	-.355	-.355	0	%100
112	M123	Z	-.614	-.614	0	%100
113	M124A	X	-.098	-.098	0	%100
114	M124A	Z	-.169	-.169	0	%100
115	M122	X	-.295	-.295	0	%100
116	M122	Z	-.511	-.511	0	%100
117	M123A	X	-.271	-.271	0	%100
118	M123A	Z	-.469	-.469	0	%100
119	M124B	X	-.099	-.099	0	%100
120	M124B	Z	-.171	-.171	0	%100
121	M125A	X	-.368	-.368	0	%100
122	M125A	Z	-.638	-.638	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M30	Y	-.008	-.109	.895	1.313
2	M30	Y	-.109	-.39	1.313	1.731
3	M30	Y	-.39	-.571	1.731	2.149
4	M30	Y	-.571	-.486	2.149	2.567
5	M30	Y	-.486	-.317	2.567	2.985
6	M31	Y	-.323	-.488	0	.418
7	M31	Y	-.488	-.57	.418	.836
8	M31	Y	-.57	-.39	.836	1.254
9	M31	Y	-.39	-.109	1.254	1.672
10	M31	Y	-.109	-.008	1.672	2.089
11	M148	Y	-11.558	-.488	0	.125
12	M149	Y	-5.679	-.488	0	.125
13	M150	Y	-16.558	-23.384	0	.233
14	M150	Y	-23.384	-25.532	.233	.467
15	M150	Y	-25.532	-23.457	.467	.7
16	M150	Y	-23.457	-21.839	.7	.933
17	M150	Y	-21.839	-20.226	.933	1.167
18	M151	Y	-17.81	-5.232	0	.125
19	M152	Y	-.264	-1.949	0	.062
20	M152	Y	-1.949	-3.634	.062	.125
21	M153	Y	-24.178	-19.3	0	.233

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M153	Y	-19.3	-16.395	.233	.467
23	M153	Y	-16.395	-12.498	.467	.7
24	M153	Y	-12.498	-7.191	.7	.933
25	M153	Y	-7.191	-4.46	.933	1.167
26	M97	Y	.117	-.352	3.125	3.794
27	M97	Y	-.352	-1.291	3.794	4.464
28	M98A	Y	-6.205	-10.691	0	.9
29	M98A	Y	-10.691	-12.834	.9	1.801
30	M98A	Y	-12.834	-13.48	1.801	2.701
31	M98A	Y	-13.48	-10.468	2.701	3.602
32	M98A	Y	-10.468	-2.952	3.602	4.502
33	M99	Y	-1.959	-.576	0	.446
34	M99	Y	-.576	.115	.446	.893
35	M99	Y	.115	.115	.893	1.339
36	M90	Y	-5.553	-5.553	0	.292
37	M30	Y	-5.551	-5.986	1.194	2.089
38	M30	Y	-5.986	-6.42	2.089	2.985
39	M40	Y	-5.17	-5.17	0	.229
40	M45	Y	-6.642	-6.642	2.398	2.75
41	M45	Y	-1.425	-4.183	0	.917
42	M45	Y	-4.183	-4.856	.917	1.833
43	M45	Y	-4.856	-3.444	1.833	2.75
44	M99	Y	-.397	-6.167	.446	1.25
45	M99	Y	-6.167	-7.088	1.25	2.053
46	M99	Y	-7.088	-5.575	2.053	2.857
47	M99	Y	-5.575	-4.943	2.857	3.66
48	M99	Y	-4.943	-1.865	3.66	4.464
49	M31	Y	-6.42	-5.986	0	.895
50	M31	Y	-5.986	-5.551	.895	1.791
51	M37	Y	-10.297	-10.297	0	.229
52	M38	Y	-6.642	-6.642	2.398	2.75
53	M38	Y	-1.426	-4.182	0	.917
54	M38	Y	-4.182	-4.856	.917	1.833
55	M38	Y	-4.856	-3.445	1.833	2.75
56	M97	Y	-1.866	-4.942	0	.803
57	M97	Y	-4.942	-5.575	.803	1.607
58	M97	Y	-5.575	-7.089	1.607	2.41
59	M97	Y	-7.089	-6.168	2.41	3.214
60	M97	Y	-6.168	-.397	3.214	4.017
61	M29	Y	-5.963	-5.963	1.605	2.984
62	M96A	Y	-10.791	-6.865	.893	1.785
63	M96A	Y	-6.865	-7.514	1.785	2.678
64	M96A	Y	-7.514	-7.352	2.678	3.571
65	M96A	Y	-7.352	-6.071	3.571	4.464
66	M29	Y	-6.903	-3.989	1.494	1.589
67	M29	Y	-3.989	-3.755	1.589	1.683
68	M29	Y	-3.755	-6.202	1.683	1.778
69	M34	Y	-8.938	-8.938	0	.229
70	M35	Y	-1.131	-1.131	0	.229
71	M39	Y	-.159	-3.463	0	.55
72	M39	Y	-3.463	-5.296	.55	1.1
73	M39	Y	-5.296	-5.642	1.1	1.65
74	M39	Y	-5.642	-5.864	1.65	2.2
75	M39	Y	-5.864	-5.844	2.2	2.75
76	M96A	Y	.228	-.683	3.125	3.794
77	M96A	Y	-.683	-2.506	3.794	4.464
78	M29	Y	-.008	-.109	.895	1.313

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M29	Y	-.109	-.39	1.313	1.731
80	M29	Y	-.39	-.571	1.731	2.149
81	M29	Y	-.571	-.486	2.149	2.567
82	M29	Y	-.486	-.317	2.567	2.985
83	M33	Y	-.328	-.49	0	.418
84	M33	Y	-.49	-.57	.418	.836
85	M33	Y	-.57	-.389	.836	1.254
86	M33	Y	-.389	-.109	1.254	1.672
87	M33	Y	-.109	-.008	1.672	2.089
88	M136	Y	-11.442	-.49	0	.125
89	M137	Y	.274	-2.81	0	.062
90	M137	Y	-2.81	-6.987	.062	.125
91	M138	Y	-16.567	-23.404	0	.233
92	M138	Y	-23.404	-25.556	.233	.467
93	M138	Y	-25.556	-23.576	.467	.7
94	M138	Y	-23.576	-21.89	.7	.933
95	M138	Y	-21.89	-19.947	.933	1.167
96	M139	Y	-8.136	-5.252	0	.125
97	M140	Y	-.749	-1.506	0	.063
98	M140	Y	-1.506	-2.263	.063	.125
99	M141	Y	-27.574	-19.854	0	.233
100	M141	Y	-19.854	-15.358	.233	.467
101	M141	Y	-15.358	-11.772	.467	.7
102	M141	Y	-11.772	-7.117	.7	.933
103	M141	Y	-7.117	-4.726	.933	1.167
104	M94A	Y	.117	-.35	3.125	3.794
105	M94A	Y	-.35	-1.285	3.794	4.464
106	M95	Y	-7.908	-10.999	0	.9
107	M95	Y	-10.999	-12.563	.9	1.801
108	M95	Y	-12.563	-13.352	1.801	2.701
109	M95	Y	-13.352	-10.375	2.701	3.602
110	M95	Y	-10.375	-2.884	3.602	4.502
111	M96A	Y	-1.951	-.574	0	.446
112	M96A	Y	-.574	.115	.446	.893
113	M96A	Y	.115	.115	.893	1.339
114	M82	Y	-5.393	-5.393	0	.292
115	M50	Y	-2.436	-2.436	0	.282
116	M94A	Y	-1.893	-2.482	0	.893
117	M94A	Y	-2.482	-2.137	.893	1.786
118	M94A	Y	-2.137	-1.224	1.786	2.678
119	M94A	Y	-1.224	-.534	2.678	3.571
120	M94A	Y	-.534	-.038	3.571	4.464
121	M33	Y	-9.972	-2.482	0	1.791
122	M50	Y	-.046	-4.883	0	1.375
123	M50	Y	-4.883	-9.72	1.375	2.75
124	M94A	Y	-1.905	-4.268	.92	1.553
125	M94A	Y	-4.268	-6.052	1.553	2.187
126	M94A	Y	-6.052	-6.327	2.187	2.82
127	M94A	Y	-6.327	-5.674	2.82	3.454
128	M21	Y	.115	.115	3.125	3.571
129	M21	Y	.115	-.576	3.571	4.017
130	M21	Y	-.576	-1.959	4.017	4.464
131	M24	Y	-2.95	-10.465	0	.9
132	M24	Y	-10.465	-14.376	.9	1.801
133	M24	Y	-14.376	-13.732	1.801	2.701
134	M24	Y	-13.732	-10.705	2.701	3.602
135	M24	Y	-10.705	-6.25	3.602	4.502

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
136	M27	Y	-2.12	-.624	0	.446
137	M27	Y	-.624	.125	.446	.893
138	M27	Y	.125	.125	.893	1.339
139	M32	Y	-.317	-.486	0	.418
140	M32	Y	-.486	-.571	.418	.836
141	M32	Y	-.571	-.39	.836	1.254
142	M32	Y	-.39	-.109	1.254	1.672
143	M32	Y	-.109	-.008	1.672	2.089
144	M124	Y	-.699	-16.714	0	.042
145	M124	Y	-16.714	-36.69	.042	.083
146	M124	Y	-36.69	-51.555	.083	.125
147	M125	Y	-.948	-2.638	0	.063
148	M125	Y	-2.638	-4.328	.063	.125
149	M128	Y	-23.878	-27.307	0	.233
150	M128	Y	-27.307	-28.219	.233	.467
151	M128	Y	-28.219	-28.592	.467	.7
152	M128	Y	-28.592	-29.314	.7	.933
153	M128	Y	-29.314	-28.409	.933	1.167
154	M127	Y	-8.624	-5.794	0	.125
155	M128A	Y	-.373	-5.794	0	.125
156	M129	Y	-25.635	-20.159	0	.233
157	M129	Y	-20.159	-16.487	.233	.467
158	M129	Y	-16.487	-12.524	.467	.7
159	M129	Y	-12.524	-7.081	.7	.933
160	M129	Y	-7.081	-3.289	.933	1.167
161	M27	Y	.228	-.683	3.125	3.794
162	M27	Y	-.683	-2.506	3.794	4.464
163	M46	Y	-8.938	-8.938	0	.229
164	M47	Y	-1.131	-1.131	0	.229
165	M51	Y	-.159	-3.463	0	.55
166	M51	Y	-3.463	-5.296	.55	1.1
167	M51	Y	-5.296	-5.642	1.1	1.65
168	M51	Y	-5.642	-5.864	1.65	2.2
169	M51	Y	-5.864	-5.844	2.2	2.75
170	M124	Y	-10.837	-10.837	0	.125
171	M27	Y	-.607	-7.867	0	1.116
172	M27	Y	-7.867	-7.604	1.116	2.232
173	M27	Y	-7.604	-3.416	2.232	3.348
174	M27	Y	-3.416	-2.829	3.348	4.464
175	M128	Y	-4.641	-4.641	.284	1.167
176	M21	Y	-2.506	-.683	0	.67
177	M21	Y	-.683	.228	.67	1.339
178	M32	Y	-6.202	-3.755	1.207	1.302
179	M32	Y	-3.755	-3.989	1.302	1.396
180	M32	Y	-3.989	-6.903	1.396	1.491
181	M42	Y	-1.131	-1.131	0	.229
182	M43	Y	-14.065	-14.065	0	.229
183	M44	Y	-.422	-8.202	0	.55
184	M44	Y	-8.202	-13.646	.55	1.1
185	M44	Y	-13.646	-15.206	1.1	1.65
186	M44	Y	-15.206	-14.882	1.65	2.2
187	M44	Y	-14.882	-13.959	2.2	2.75
188	M21	Y	-.022	-3.679	0	.893
189	M21	Y	-3.679	-6.128	.893	1.786
190	M21	Y	-6.128	-6.901	1.786	2.678
191	M21	Y	-6.901	-8.708	2.678	3.571
192	M32	Y	-6.012	-6.012	.0007947	1.378

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
193	M5	Y	-.562	-.562	1.478	2.478
194	M30	Y	-3.241	-8.411	0	.597
195	M30	Y	-8.411	-12.457	.597	1.194
196	M30	Y	-12.457	-10.565	1.194	1.791
197	M30	Y	-10.565	-8.954	1.791	2.388
198	M30	Y	-8.954	-12.44	2.388	2.985
199	M31	Y	-8.836	-8.265	0	.597
200	M31	Y	-8.265	-9.729	.597	1.194
201	M31	Y	-9.729	-12.022	1.194	1.791
202	M31	Y	-12.022	-10.962	1.791	2.388
203	M31	Y	-10.962	-7.752	2.388	2.985
204	M38	Y	-.263	-4.739	0	.55
205	M38	Y	-4.739	-8.35	.55	1.1
206	M38	Y	-8.35	-9.564	1.1	1.65
207	M38	Y	-9.564	-9.018	1.65	2.2
208	M38	Y	-9.018	-8.115	2.2	2.75
209	M148	Y	.607	-6.304	.028	.041
210	M148	Y	-6.304	-4.842	.041	.055
211	M148	Y	-4.842	.075	.055	.069
212	M148	Y	.075	.075	.069	.082
213	M148	Y	.075	-4.277	.082	.096
214	M148	Y	-4.277	-12.981	.096	.109
215	M107A	Y	-5.679	-9.183	0	.807
216	M97	Y	-2.851	-2.851	3.566	4.113
217	M98A	Y	-.42	-1.811	.9	1.621
218	M98A	Y	-1.811	-3.357	1.621	2.341
219	M98A	Y	-3.357	-6.828	2.341	3.061
220	M98A	Y	-6.828	-6.326	3.061	3.782
221	M98A	Y	-6.326	-.354	3.782	4.502
222	M99	Y	-6.975	-2.082	0	.893
223	M99	Y	-2.082	.053	.893	1.785
224	M99	Y	.053	-1.36	1.785	2.678
225	M99	Y	-1.36	-3.657	2.678	3.571
226	M99	Y	-3.657	-6.047	3.571	4.464
227	M17	Y	-.562	-.562	1.478	2.478
228	M29	Y	-3.241	-8.411	0	.597
229	M29	Y	-8.411	-12.457	.597	1.194
230	M29	Y	-12.457	-10.565	1.194	1.791
231	M29	Y	-10.565	-8.954	1.791	2.388
232	M29	Y	-8.954	-12.44	2.388	2.985
233	M33	Y	-8.836	-8.265	0	.597
234	M33	Y	-8.265	-9.729	.597	1.194
235	M33	Y	-9.729	-12.022	1.194	1.791
236	M33	Y	-12.022	-10.962	1.791	2.388
237	M33	Y	-10.962	-7.752	2.388	2.985
238	M49	Y	-5.127	-5.127	0	.229
239	M50	Y	-.263	-4.739	0	.55
240	M50	Y	-4.739	-8.35	.55	1.1
241	M50	Y	-8.35	-9.564	1.1	1.65
242	M50	Y	-9.564	-9.018	1.65	2.2
243	M50	Y	-9.018	-8.115	2.2	2.75
244	M136	Y	.607	-6.304	.028	.041
245	M136	Y	-6.304	-4.842	.041	.055
246	M136	Y	-4.842	.075	.055	.069
247	M136	Y	.075	.075	.069	.082
248	M136	Y	.075	-4.277	.082	.096
249	M136	Y	-4.277	-12.981	.096	.109

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
250	M106A	Y	-5.679	-9.183	0	.807
251	M94A	Y	-2.851	-2.851	3.566	4.113
252	M95	Y	-.42	-1.811	.9	1.621
253	M95	Y	-1.811	-3.357	1.621	2.341
254	M95	Y	-3.357	-6.828	2.341	3.061
255	M95	Y	-6.828	-6.326	3.061	3.782
256	M95	Y	-6.326	-.354	3.782	4.502
257	M96A	Y	-6.975	-2.082	0	.893
258	M11	Y	-.562	-.562	1.478	2.478
259	M21	Y	-2.851	-2.851	3.566	4.113
260	M24	Y	.098	-1.341	.9	1.621
261	M24	Y	-1.341	-2.896	1.621	2.341
262	M24	Y	-2.896	-4.542	2.341	3.061
263	M24	Y	-4.542	-7.672	3.061	3.782
264	M24	Y	-7.672	-12.309	3.782	4.502
265	M27	Y	-13.636	-4.04	0	.893
266	M27	Y	-4.04	.226	.893	1.785
267	M27	Y	.226	-4.31	1.785	2.678
268	M27	Y	-4.31	-11.1	2.678	3.571
269	M27	Y	-11.1	-16.67	3.571	4.464
270	M32	Y	-8.871	-8.3	0	.597
271	M32	Y	-8.3	-9.681	.597	1.194
272	M32	Y	-9.681	-11.599	1.194	1.791
273	M32	Y	-11.599	-9.896	1.791	2.388
274	M32	Y	-9.896	-5.986	2.388	2.985
275	M106	Y	-24.416	-6.659	0	.404
276	M106	Y	-6.659	2.22	.404	.807

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M30	Y	-.012	-.149	.895	1.313
2	M30	Y	-.149	-.533	1.313	1.731
3	M30	Y	-.533	-.78	1.731	2.149
4	M30	Y	-.78	-.665	2.149	2.567
5	M30	Y	-.665	-.434	2.567	2.985
6	M31	Y	-.441	-.667	0	.418
7	M31	Y	-.667	-.779	.418	.836
8	M31	Y	-.779	-.532	.836	1.254
9	M31	Y	-.532	-.149	1.254	1.672
10	M31	Y	-.149	-.011	1.672	2.089
11	M148	Y	-15.796	-.667	0	.125
12	M149	Y	-7.761	-.667	0	.125
13	M150	Y	-27.438	-38.613	0	.233
14	M150	Y	-38.613	-41.62	.233	.467
15	M150	Y	-41.62	-37.195	.467	.7
16	M150	Y	-37.195	-33.693	.7	.933
17	M150	Y	-33.693	-30.377	.933	1.167
18	M151	Y	-24.341	-7.15	0	.125
19	M152	Y	-.36	-2.663	0	.062
20	M152	Y	-2.663	-4.966	.062	.125
21	M153	Y	-37.771	-29.743	0	.233
22	M153	Y	-29.743	-25.077	.233	.467
23	M153	Y	-25.077	-19.019	.467	.7
24	M153	Y	-19.019	-10.503	.7	.933
25	M153	Y	-10.503	-6.045	.933	1.167
26	M97	Y	.16	-.481	3.125	3.794

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
27	M97	Y	-.481	-1.764	3.794	4.464
28	M98A	Y	-8.48	-14.612	0	.9
29	M98A	Y	-14.612	-17.54	.9	1.801
30	M98A	Y	-17.54	-18.423	1.801	2.701
31	M98A	Y	-18.423	-14.306	2.701	3.602
32	M98A	Y	-14.306	-4.035	3.602	4.502
33	M99	Y	-2.677	-.787	0	.446
34	M99	Y	-.787	.157	.446	.893
35	M99	Y	.157	.157	.893	1.339
36	M90	Y	-7.589	-7.589	0	.292
37	M30	Y	-7.586	-8.18	1.194	2.089
38	M30	Y	-8.18	-8.774	2.089	2.985
39	M40	Y	-7.066	-7.066	0	.229
40	M45	Y	-9.077	-9.077	2.398	2.75
41	M45	Y	-1.948	-5.717	0	.917
42	M45	Y	-5.717	-6.637	.917	1.833
43	M45	Y	-6.637	-4.707	1.833	2.75
44	M99	Y	-.543	-8.428	.446	1.25
45	M99	Y	-8.428	-9.687	1.25	2.053
46	M99	Y	-9.687	-7.62	2.053	2.857
47	M99	Y	-7.62	-6.755	2.857	3.66
48	M99	Y	-6.755	-2.549	3.66	4.464
49	M31	Y	-8.774	-8.18	0	.895
50	M31	Y	-8.18	-7.586	.895	1.791
51	M37	Y	-15.953	-15.953	0	.229
52	M38	Y	-9.077	-9.077	2.398	2.75
53	M38	Y	-1.948	-5.716	0	.917
54	M38	Y	-5.716	-6.636	.917	1.833
55	M38	Y	-6.636	-4.708	1.833	2.75
56	M97	Y	-2.55	-6.754	0	.803
57	M97	Y	-6.754	-7.619	.803	1.607
58	M97	Y	-7.619	-9.688	1.607	2.41
59	M97	Y	-9.688	-8.429	2.41	3.214
60	M97	Y	-8.429	-.542	3.214	4.017
61	M29	Y	-8.149	-8.149	1.605	2.984
62	M96A	Y	-15.511	-9.363	.893	1.785
63	M96A	Y	-9.363	-10.767	1.785	2.678
64	M96A	Y	-10.767	-11.388	2.678	3.571
65	M96A	Y	-11.388	-10.514	3.571	4.464
66	M29	Y	-9.434	-5.452	1.494	1.589
67	M29	Y	-5.452	-5.132	1.589	1.683
68	M29	Y	-5.132	-8.476	1.683	1.778
69	M34	Y	-12.215	-12.215	0	.229
70	M35	Y	-1.546	-1.546	0	.229
71	M39	Y	-.218	-4.732	0	.55
72	M39	Y	-4.732	-7.238	.55	1.1
73	M39	Y	-7.238	-7.711	1.1	1.65
74	M39	Y	-7.711	-8.014	1.65	2.2
75	M39	Y	-8.014	-7.987	2.2	2.75
76	M96A	Y	.311	-.934	3.125	3.794
77	M96A	Y	-.934	-3.424	3.794	4.464
78	M29	Y	-.012	-.149	.895	1.313
79	M29	Y	-.149	-.533	1.313	1.731
80	M29	Y	-.533	-.78	1.731	2.149
81	M29	Y	-.78	-.664	2.149	2.567
82	M29	Y	-.664	-.433	2.567	2.985
83	M33	Y	-.448	-.669	0	.418

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
84	M33	Y	-.669	-.779	.418	.836
85	M33	Y	-.779	-.532	.836	1.254
86	M33	Y	-.532	-.148	1.254	1.672
87	M33	Y	-.148	-.011	1.672	2.089
88	M136	Y	-15.638	-.669	0	.125
89	M137	Y	.374	-3.84	0	.062
90	M137	Y	-3.84	-9.55	.062	.125
91	M138	Y	-27.45	-38.641	0	.233
92	M138	Y	-38.641	-41.652	.233	.467
93	M138	Y	-41.652	-37.358	.467	.7
94	M138	Y	-37.358	-33.763	.7	.933
95	M138	Y	-33.763	-29.995	.933	1.167
96	M139	Y	-11.119	-7.178	0	.125
97	M140	Y	-1.023	-2.058	0	.063
98	M140	Y	-2.058	-3.093	.063	.125
99	M141	Y	-42.412	-30.501	0	.233
100	M141	Y	-30.501	-23.659	.233	.467
101	M141	Y	-23.659	-18.028	.467	.7
102	M141	Y	-18.028	-10.403	.7	.933
103	M141	Y	-10.403	-6.409	.933	1.167
104	M94A	Y	.16	-.479	3.125	3.794
105	M94A	Y	-.479	-1.756	3.794	4.464
106	M95	Y	-10.808	-15.032	0	.9
107	M95	Y	-15.032	-17.17	.9	1.801
108	M95	Y	-17.17	-18.247	1.801	2.701
109	M95	Y	-18.247	-14.179	2.701	3.602
110	M95	Y	-14.179	-3.941	3.602	4.502
111	M96A	Y	-2.667	-.784	0	.446
112	M96A	Y	-.784	.157	.446	.893
113	M96A	Y	.157	.157	.893	1.339
114	M82	Y	-7.371	-7.371	0	.292
115	M50	Y	-3.33	-3.33	0	.282
116	M94A	Y	-2.588	-3.391	0	.893
117	M94A	Y	-3.391	-2.92	.893	1.786
118	M94A	Y	-2.92	-1.673	1.786	2.678
119	M94A	Y	-1.673	-.73	2.678	3.571
120	M94A	Y	-.73	-.051	3.571	4.464
121	M33	Y	-13.628	-3.391	0	1.791
122	M50	Y	-.063	-6.673	0	1.375
123	M50	Y	-6.673	-13.284	1.375	2.75
124	M94A	Y	-2.603	-5.833	.92	1.553
125	M94A	Y	-5.833	-8.271	1.553	2.187
126	M94A	Y	-8.271	-8.647	2.187	2.82
127	M94A	Y	-8.647	-7.754	2.82	3.454
128	M21	Y	.157	.157	3.125	3.571
129	M21	Y	.157	-.787	3.571	4.017
130	M21	Y	-.787	-2.677	4.017	4.464
131	M24	Y	-4.032	-14.302	0	.9
132	M24	Y	-14.302	-19.647	.9	1.801
133	M24	Y	-19.647	-18.767	1.801	2.701
134	M24	Y	-18.767	-14.631	2.701	3.602
135	M24	Y	-14.631	-8.542	3.602	4.502
136	M27	Y	-2.897	-.852	0	.446
137	M27	Y	-.852	.17	.446	.893
138	M27	Y	.17	.17	.893	1.339
139	M32	Y	-.434	-.665	0	.418
140	M32	Y	-.665	-.78	.418	.836

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
141	M32	Y	-.78	-.533	.836	1.254
142	M32	Y	-.533	-.149	1.254	1.672
143	M32	Y	-.149	-.012	1.672	2.089
144	M124	Y	-1.61	-29.235	0	.042
145	M124	Y	-29.235	-58.347	.042	.083
146	M124	Y	-58.347	-73.22	.083	.125
147	M125	Y	-1.296	-3.606	0	.063
148	M125	Y	-3.606	-5.915	.063	.125
149	M128	Y	-39.83	-45.207	0	.233
150	M128	Y	-45.207	-45.983	.233	.467
151	M128	Y	-45.983	-46.035	.467	.7
152	M128	Y	-46.035	-46.936	.7	.933
153	M128	Y	-46.936	-44.81	.933	1.167
154	M127	Y	-11.786	-7.918	0	.125
155	M128A	Y	-.51	-7.918	0	.125
156	M129	Y	-39.704	-30.906	0	.233
157	M129	Y	-30.906	-25.224	.233	.467
158	M129	Y	-25.224	-19.081	.467	.7
159	M129	Y	-19.081	-10.364	.7	.933
160	M129	Y	-10.364	-4.447	.933	1.167
161	M27	Y	.311	-.934	3.125	3.794
162	M27	Y	-.934	-3.424	3.794	4.464
163	M46	Y	-12.215	-12.215	0	.229
164	M47	Y	-1.546	-1.546	0	.229
165	M51	Y	-.218	-4.732	0	.55
166	M51	Y	-4.732	-7.238	.55	1.1
167	M51	Y	-7.238	-7.711	1.1	1.65
168	M51	Y	-7.711	-8.014	1.65	2.2
169	M51	Y	-8.014	-7.987	2.2	2.75
170	M124	Y	-14.811	-14.811	0	.125
171	M27	Y	-.83	-10.752	0	1.116
172	M27	Y	-10.752	-10.392	1.116	2.232
173	M27	Y	-10.392	-4.669	2.232	3.348
174	M27	Y	-4.669	-3.866	3.348	4.464
175	M128	Y	-6.343	-6.343	.284	1.167
176	M21	Y	-3.424	-.934	0	.67
177	M21	Y	-.934	.311	.67	1.339
178	M32	Y	-8.476	-5.132	1.207	1.302
179	M32	Y	-5.132	-5.452	1.302	1.396
180	M32	Y	-5.452	-9.434	1.396	1.491
181	M42	Y	-1.546	-1.546	0	.229
182	M43	Y	-21.102	-21.102	0	.229
183	M44	Y	-.673	-12.947	0	.55
184	M44	Y	-12.947	-21.711	.55	1.1
185	M44	Y	-21.711	-24.289	1.1	1.65
186	M44	Y	-24.289	-23.645	1.65	2.2
187	M44	Y	-23.645	-22.053	2.2	2.75
188	M21	Y	-.03	-5.028	0	.893
189	M21	Y	-5.028	-8.375	.893	1.786
190	M21	Y	-8.375	-9.431	1.786	2.678
191	M21	Y	-9.431	-11.901	2.678	3.571
192	M32	Y	-8.216	-8.216	.0007947	1.378
193	M5	Y	-.974	-.974	1.478	2.478
194	M30	Y	-5.618	-14.578	0	.597
195	M30	Y	-14.578	-21.592	.597	1.194
196	M30	Y	-21.592	-18.312	1.194	1.791
197	M30	Y	-18.312	-15.521	1.791	2.388

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
198	M30	Y	-15.521	-21.563	2.388	2.985
199	M31	Y	-15.315	-14.326	0	.597
200	M31	Y	-14.326	-16.863	.597	1.194
201	M31	Y	-16.863	-20.839	1.194	1.791
202	M31	Y	-20.839	-19	1.791	2.388
203	M31	Y	-19	-13.437	2.388	2.985
204	M38	Y	-.455	-8.215	0	.55
205	M38	Y	-8.215	-14.473	.55	1.1
206	M38	Y	-14.473	-16.578	1.1	1.65
207	M38	Y	-16.578	-15.631	1.65	2.2
208	M38	Y	-15.631	-14.066	2.2	2.75
209	M148	Y	1.052	-10.926	.028	.041
210	M148	Y	-10.926	-8.393	.041	.055
211	M148	Y	-8.393	.13	.055	.069
212	M148	Y	.13	.13	.069	.082
213	M148	Y	.13	-7.414	.082	.096
214	M148	Y	-7.414	-22.5	.096	.109
215	M107A	Y	-9.844	-15.917	0	.807
216	M97	Y	-4.942	-4.942	3.566	4.113
217	M98A	Y	-.729	-3.138	.9	1.621
218	M98A	Y	-3.138	-5.819	1.621	2.341
219	M98A	Y	-5.819	-11.835	2.341	3.061
220	M98A	Y	-11.835	-10.964	3.061	3.782
221	M98A	Y	-10.964	-.614	3.782	4.502
222	M99	Y	-12.091	-3.609	0	.893
223	M99	Y	-3.609	.093	.893	1.785
224	M99	Y	.093	-2.357	1.785	2.678
225	M99	Y	-2.357	-6.339	2.678	3.571
226	M99	Y	-6.339	-10.482	3.571	4.464
227	M17	Y	-.974	-.974	1.478	2.478
228	M29	Y	-5.618	-14.578	0	.597
229	M29	Y	-14.578	-21.592	.597	1.194
230	M29	Y	-21.592	-18.312	1.194	1.791
231	M29	Y	-18.312	-15.521	1.791	2.388
232	M29	Y	-15.521	-21.563	2.388	2.985
233	M33	Y	-15.315	-14.326	0	.597
234	M33	Y	-14.326	-16.863	.597	1.194
235	M33	Y	-16.863	-20.839	1.194	1.791
236	M33	Y	-20.839	-19	1.791	2.388
237	M33	Y	-19	-13.437	2.388	2.985
238	M49	Y	-8.887	-8.887	0	.229
239	M50	Y	-.455	-8.215	0	.55
240	M50	Y	-8.215	-14.473	.55	1.1
241	M50	Y	-14.473	-16.578	1.1	1.65
242	M50	Y	-16.578	-15.631	1.65	2.2
243	M50	Y	-15.631	-14.066	2.2	2.75
244	M136	Y	1.052	-10.926	.028	.041
245	M136	Y	-10.926	-8.393	.041	.055
246	M136	Y	-8.393	.13	.055	.069
247	M136	Y	.13	.13	.069	.082
248	M136	Y	.13	-7.414	.082	.096
249	M136	Y	-7.414	-22.5	.096	.109
250	M106A	Y	-9.844	-15.917	0	.807
251	M94A	Y	-4.942	-4.942	3.566	4.113
252	M95	Y	-.729	-3.138	.9	1.621
253	M95	Y	-3.138	-5.819	1.621	2.341
254	M95	Y	-5.819	-11.835	2.341	3.061

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
255	M95	Y	-11.835	-10.964	3.061	3.782
256	M95	Y	-10.964	-.614	3.782	4.502
257	M96A	Y	-12.091	-3.609	0	.893
258	M11	Y	-.974	-.974	1.478	2.478
259	M21	Y	-4.942	-4.942	3.566	4.113
260	M24	Y	.17	-2.325	.9	1.621
261	M24	Y	-2.325	-5.019	1.621	2.341
262	M24	Y	-5.019	-7.873	2.341	3.061
263	M24	Y	-7.873	-13.298	3.061	3.782
264	M24	Y	-13.298	-21.335	3.782	4.502
265	M27	Y	-23.636	-7.002	0	.893
266	M27	Y	-7.002	.392	.893	1.785
267	M27	Y	.392	-7.471	1.785	2.678
268	M27	Y	-7.471	-19.239	2.678	3.571
269	M27	Y	-19.239	-28.894	3.571	4.464
270	M32	Y	-15.376	-14.387	0	.597
271	M32	Y	-14.387	-16.78	.597	1.194
272	M32	Y	-16.78	-20.104	1.194	1.791
273	M32	Y	-20.104	-17.153	1.791	2.388
274	M32	Y	-17.153	-10.376	2.388	2.985
275	M106	Y	-42.321	-11.542	0	.404
276	M106	Y	-11.542	3.847	.404	.807

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57A	N57	N85	N89	Y	Two Way	-.009
2	N85	N86	N57		Y	Two Way	-.009
3	N57	N32	N74	N86	Y	Two Way	-.009
4	N90	N89	N57A		Y	Two Way	-.009
5	N16	N57A	N90	N64	Y	Two Way	-.009
6	N17	N55	N81A		Y	Two Way	-.009
7	N81A	N82	N66	N17	Y	Two Way	-.009
8	N55	N60	N95	N81A	Y	Two Way	-.009
9	N60	N45	N79		Y	Two Way	-.009
10	N95	N96	N79	N60	Y	Two Way	-.009
11	N53	N58	N60A	N59	Y	Two Way	-.009
12	N59	N67	N81	N46	Y	Two Way	-.009
13	N53	N46	N59		Y	Two Way	-.009
14	N60A	N92	N72	N31	Y	Two Way	-.009
15	N58	N31	N60A		Y	Two Way	-.009
16	N73	N74	N64	N63	Y	A-B	-.009
17	N65	N66	N79	N78	Y	A-B	-.009
18	N80	N81	N72	N71	Y	A-B	-.009

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57A	N57	N85	N89	Y	Two Way	-.012
2	N85	N86	N57		Y	Two Way	-.012
3	N57	N32	N74	N86	Y	Two Way	-.012
4	N90	N89	N57A		Y	Two Way	-.012
5	N16	N57A	N90	N64	Y	Two Way	-.012
6	N17	N55	N81A		Y	Two Way	-.012
7	N81A	N82	N66	N17	Y	Two Way	-.012
8	N55	N60	N95	N81A	Y	Two Way	-.012
9	N60	N45	N79		Y	Two Way	-.012

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
10	N95	N96	N79	N60	Y	Two Way	-.012
11	N53	N58	N60A	N59	Y	Two Way	-.012
12	N59	N67	N81	N46	Y	Two Way	-.012
13	N53	N46	N59		Y	Two Way	-.012
14	N60A	N92	N72	N31	Y	Two Way	-.012
15	N58	N31	N60A		Y	Two Way	-.012
16	N73	N74	N64	N63	Y	A-B	-.016
17	N65	N66	N79	N78	Y	A-B	-.016
18	N80	N81	N72	N71	Y	A-B	-.016

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc.....		LC	phi*Pn...	phi*Pn...	phi*Mn...	phi*Mn.....		Eqn
1	M4	HSS3X3X5	.181	0	4	.068	0	z	4	10731...	121716	10.005	10.005	3...	H1-1b
2	M5	HSS3X3X5	.049	1.427	6	.025	.37	z	4	98400...	121716	10.005	10.005	2...	H1-1b
3	M10	HSS3X3X5	.163	0	12	.049	0	z	12	10731...	121716	10.005	10.005	2...	H1-1b
4	M11	HSS3X3X5	.046	1.427	2	.025	.37	z	12	98400...	121716	10.005	10.005	2...	H1-1b
5	M16	HSS3X3X5	.164	0	8	.049	0	z	8	10731...	121716	10.005	10.005	2...	H1-1b
6	M17	HSS3X3X5	.048	1.427	10	.026	.37	z	8	98400...	121716	10.005	10.005	2...	H1-1b
7	M21	PIPE_3.0	.308	2.836	21	.148	3.348		13	58608...	65205	5.749	5.749	1...	H1-1b
8	M24	PIPE_3.0	.135	2.204	18	.047	4.502		18	58500...	65205	5.749	5.749	1...	H1-1b
9	M27	PIPE_3.0	.318	2.092	18	.090	2.092		22	58608...	65205	5.749	5.749	1...	H1-1b
10	M28	L2.5x1.5x4	.000	0	51	.075	2.985	z	20	15930...	30682.8	.461	1.597	2...	H1-1a
11	M29	L2.5x1.5x4	.316	0	21	.061	2.985	z	16	15930...	30682.8	.461	1.597	2...	H2-1
12	M30	L2.5x1.5x4	.318	0	17	.061	2.985	z	24	15930...	30682.8	.461	1.597	2...	H2-1
13	M31	L2.5x1.5x4	.563	0	18	.049	0	z	14	15930...	30682.8	.461	1.597	2...	H2-1
14	M32	L2.5x1.5x4	.563	0	14	.049	0	z	22	15930...	30682.8	.461	1.597	2...	H2-1
15	M33	L2.5x1.5x4	.569	0	22	.049	0	z	18	15930...	30682.8	.461	1.597	2...	H2-1
16	M38	L2.5x2.5x3	.046	2.75	18	.009	2.75	y	18	22808...	29192.4	.873	1.972	2...	H2-1
17	M39	L2.5x2.5x3	.032	0	14	.005	0	z	14	22808...	29192.4	.873	1.916	1...	H2-1
18	M44	L2.5x2.5x3	.050	2.75	13	.009	2.75	y	14	22808...	29192.4	.873	1.972	2...	H2-1
19	M45	L2.5x2.5x3	.031	2.75	23	.005	0	z	22	22808...	29192.4	.873	1.908	1...	H2-1
20	M50	L2.5x2.5x3	.052	2.75	21	.010	2.75	y	22	22808...	29192.4	.873	1.972	2...	H2-1
21	M51	L2.5x2.5x3	.042	2.75	37	.005	0	z	18	22808...	29192.4	.873	1.972	1...	H2-1
22	M128	L2.5x1.5x4	.063	.595	24	.016	1.167	z	24	27759...	30682.8	.461	1.597	1...	H2-1
23	M129	L2.5x1.5x4	.063	.535	14	.010	0	z	14	27759...	30682.8	.461	1.597	1...	H2-1
24	M138	L2.5x1.5x4	.054	.571	20	.009	0	z	20	27759...	30682.8	.461	1.597	1...	H2-1
25	M141	L2.5x1.5x4	.063	.535	22	.010	0	z	22	27759...	30682.8	.461	1.597	1...	H2-1
26	M150	L2.5x1.5x4	.054	.571	16	.009	0	z	16	27759...	30682.8	.461	1.597	1...	H2-1
27	M153	L2.5x1.5x4	.063	.535	18	.010	0	z	18	27759...	30682.8	.461	1.597	1...	H2-1
28	M106	PL5/8X6	.161	1.153	4	.057	1.153	y	4	89154...	121500	1.582	15.188	1...	H1-1b
29	M106A	PL5/8X6	.159	1.153	12	.062	1.153	y	12	89154...	121500	1.582	15.188	1...	H1-1b
30	M107A	PL5/8X6	.161	1.153	8	.058	1.153	y	8	89154...	121500	1.582	15.188	1...	H1-1b
31	M94A	PIPE_3.0	.311	2.836	17	.151	3.348		21	58608...	65205	5.749	5.749	1...	H1-1b
32	M95	PIPE_3.0	.135	2.204	14	.048	4.502		14	58500...	65205	5.749	5.749	1...	H1-1b
33	M96A	PIPE_3.0	.316	2.092	14	.087	2.092		18	58608...	65205	5.749	5.749	1...	H1-1b
34	M97	PIPE_3.0	.309	2.836	13	.151	3.348		17	58608...	65205	5.749	5.749	1...	H1-1b
35	M98A	PIPE_3.0	.135	2.204	22	.048	4.502		22	58500...	65205	5.749	5.749	1...	H1-1b
36	M99	PIPE_3.0	.314	2.092	22	.087	2.092		14	58608...	65205	5.749	5.749	1...	H1-1b
37	MP1A	PIPE_2.5	.113	3.5	9	.052	1.917		8	30038...	50715	3.596	3.596	2...	H1-1b
38	MP2A	PIPE_2.0	.076	.875	14	.038	.948		14	17855...	32130	1.872	1.872	2...	H1-1b
39	MP3A	PIPE_2.5	.183	3.333	12	.081	3.333		13	30038...	50715	3.596	3.596	2...	H1-1b
40	MP4A	PIPE_2.0	.071	3.281	1	.046	.948		17	17855...	32130	1.872	1.872	2...	H1-1b
41	MP1C	PIPE_2.5	.114	3.5	5	.052	1.917		4	30038...	50715	3.596	3.596	3...	H1-1b
42	MP2C	PIPE_2.0	.076	.875	22	.038	.948		22	17855...	32130	1.872	1.872	2...	H1-1b
43	MP3C	PIPE_2.5	.183	3.333	8	.082	3.333		21	30038...	50715	3.596	3.596	2...	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc.....		LC	phi*Pn...	phi*Pn...	phi*Mn...	phi*Mn.....	Eqn
44	MP4C	PIPE_2.0	.071	3.281	9	.046	.948		13	17855....	32130	1.872	1.872	1... H1-1b
45	MP1B	PIPE_2.5	.112	3.5	12	.052	1.917		12	30038....	50715	3.596	3.596	2... H1-1b
46	MP2B	PIPE_2.0	.077	.875	18	.039	.948		18	17855....	32130	1.872	1.872	2... H1-1b
47	MP3B	PIPE_2.5	.187	3.333	5	.082	3.333		17	30038....	50715	3.596	3.596	2... H1-1b
48	MP4B	PIPE_2.0	.071	3.281	5	.046	.948		21	17855....	32130	1.872	1.872	1... H1-1b
49	M95A	PIPE_2.0	.071	2	11	.014	2		11	28843....	32130	1.872	1.872	2... H1-1b
50	M100	PIPE_2.5	.068	12.59	49	.042	3.357		14	12613....	50715	3.596	3.596	1... H1-1b
51	M105	PIPE_2.5	.078	3.217	38	.042	3.357		22	12613....	50715	3.596	3.596	2... H1-1b
52	M110	PIPE_2.5	.068	12.59	18	.042	3.357		18	12613....	50715	3.596	3.596	1... H1-1b
53	M113	L3X3X4	.081	2.648	7	.010	2.648	y	18	39945....	46656	1.688	3.756	2... H2-1
54	M116	L3X3X4	.079	2.648	3	.010	2.648	y	14	39945....	46656	1.688	3.756	2... H2-1
55	M119	L3X3X4	.080	2.648	11	.010	2.648	y	22	39945....	46656	1.688	3.756	2... H2-1
56	M123	L2.5x2.5x4	.151	2.834	17	.007	5.667	y	14	13504....	38556	1.114	2.185	1... H2-1
57	M124A	L2.5x2.5x4	.140	2.957	21	.005	0	z	22	12403....	38556	1.114	2.162	1... H2-1
58	M122	L2.5x2.5x4	.152	2.834	13	.006	0	y	22	13504....	38556	1.114	2.185	1... H2-1
59	M123A	L2.5x2.5x4	.139	2.957	17	.005	0	z	18	12403....	38556	1.114	2.162	1... H2-1
60	M124B	L2.5x2.5x4	.151	2.834	21	.006	5.667	y	18	13504....	38556	1.114	2.185	1... H2-1
61	M125A	L2.5x2.5x4	.139	2.957	13	.005	0	z	14	12403....	38556	1.114	2.162	1... H2-1

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	N2	max	751.401	10	648.218	19	1006.669	1	1.011	20	1.384	4	.33	4
2		min	-935.268	4	136.965	1	-2293.929	7	.369	46	-1.277	10	-.254	10
3	N18	max	777.125	9	448.72	15	1354.256	1	-.003	12	1.25	12	-.214	6
4		min	-1783.788	3	99.424	9	-561.367	7	-.392	18	-1.143	6	-.77	24
5	N34	max	2049.419	11	427.882	23	1022.258	47	-.03	2	1.262	8	.681	14
6		min	-805.089	5	90.696	5	-414.178	5	-.501	20	-1.16	2	.193	8
7	N203	max	451.383	23	3205.069	13	5330.226	13	0	4	0	12	0	12
8		min	-52.511	5	1086.194	7	1789.55	7	0	22	0	18	0	18
9	N206B	max	4393.11	22	3183.029	21	-882.047	2	0	4	0	4	0	14
10		min	1464.135	4	1094.714	3	-3026.943	20	0	22	0	22	0	8
11	N209	max	-1584.771	10	3226.388	17	-714.725	12	0	22	0	4	0	22
12		min	-4864.007	16	1113.469	11	-2365.266	18	0	4	0	22	0	4
13	Totals:	max	3905.345	10	10954.072	18	3891.155	1						
14		min	-3905.348	4	4301.169	12	-3891.159	7						

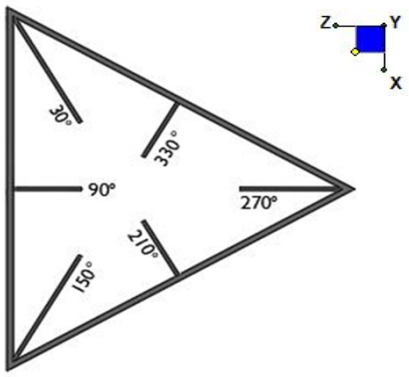
Client:	Verizon Wireless	Date:	9/10/2021
Site Name:	W Hartford 2 CT		
Project No.	21777984A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

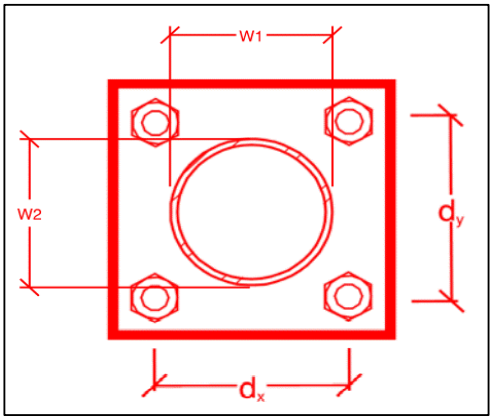
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N18	30
N34	150
N2	270



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	4
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	4
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	9.5
Required Shear Strength (kips):	2.9
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**11.4%***
Shear Capacity Overall:	**5.9%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	6
Plate Height (in):	6
W1 (in):	3
W2 (in):	3
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	6
Phi*Rn (kip/in):	8.35
Required Weld Strength (kip/in):	1.54
Plate Bending Capacity:	**10.5%**
Weld Capacity:	**18.4%**

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:

Install proposed OVP to a new 3’ Long P2 STD pipe connected to the Beta-Gamma Sector standoff arm. Connect the pipe to the standoff arm using crossover plate (Part #: VZWSMART-MSK6).

Response:

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

☐ Yes ☐ No

Comments:

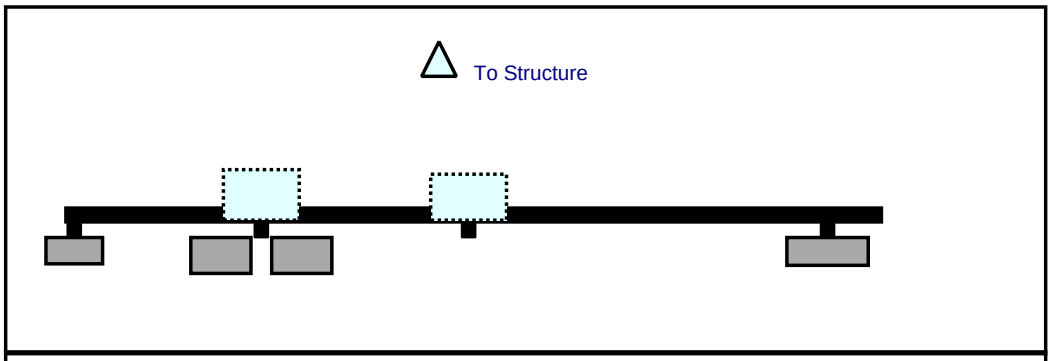
Structure: 469328-VZW - W HARTFORD 2 CT

Sector: **A** 9/9/2021

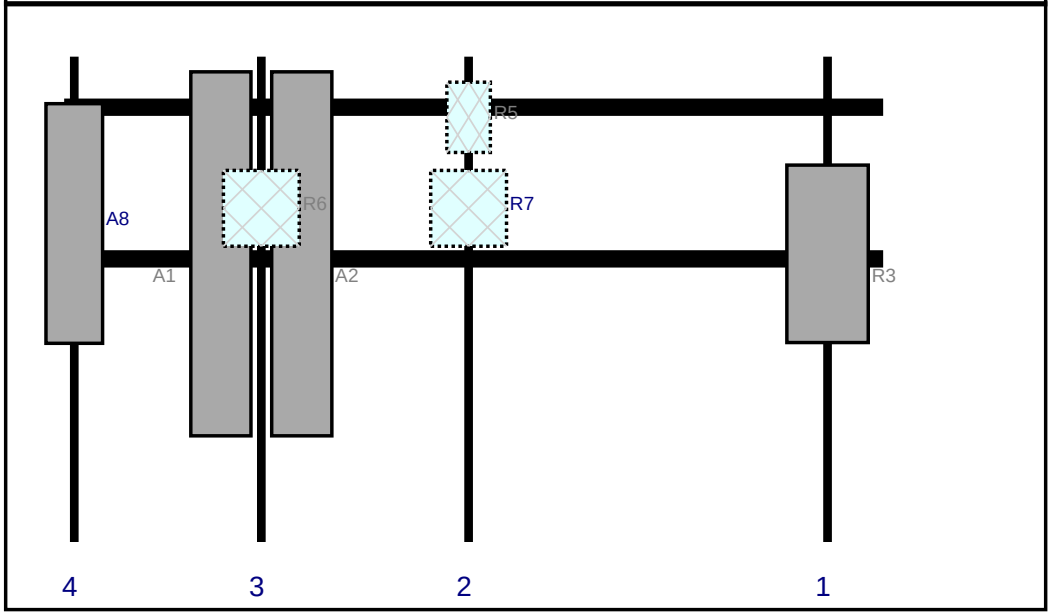
Structure Type: Monopole 10071723

Mount Elev: 100.00 Page: 1

Plan View



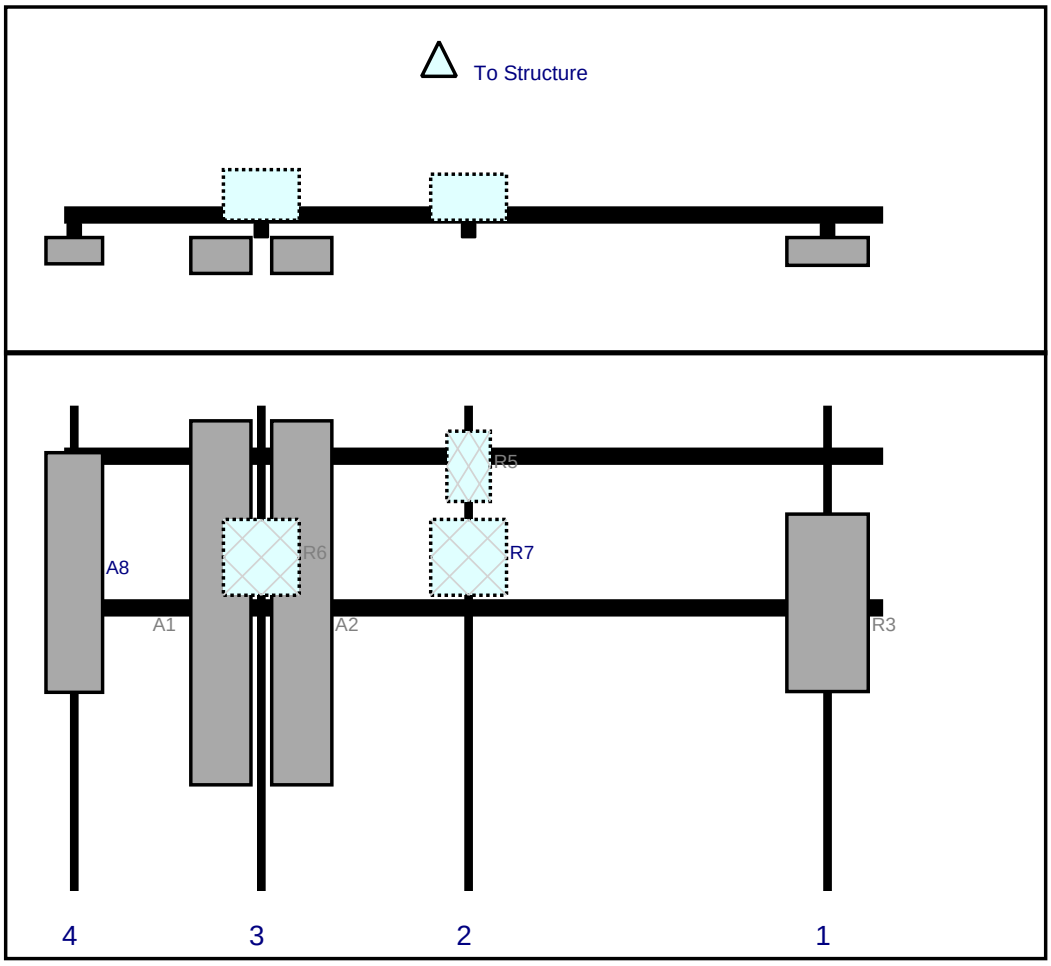
Front View
Looking at Structure



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
R3	MT6407-77A	35.1	16.1	151	1	a	Front	39	0	Added	
R5	CBRS RRH - RT4401-48A	13.9	8.6	80	2	a	Behind	12	0	Added	
R7	RF4440d-13A	15	15	80	2	a	Behind	30	0	Added	
A1	NHH-65B-R2B	72	11.9	39	3	a	Front	39	-8	Added	
A2	NHHSS-65B-R2BT0	72	11.9	39	3	a	Front	39	8	Added	
R6	RF4439d-25A	15	15	39	3	a	Behind	30	0	Added	
A8	BXA-80063-4BF	47.4	11.2	2	4	a	Front	33	0	Retained	06/09/2021

Plan View

Front View
Looking at Structure



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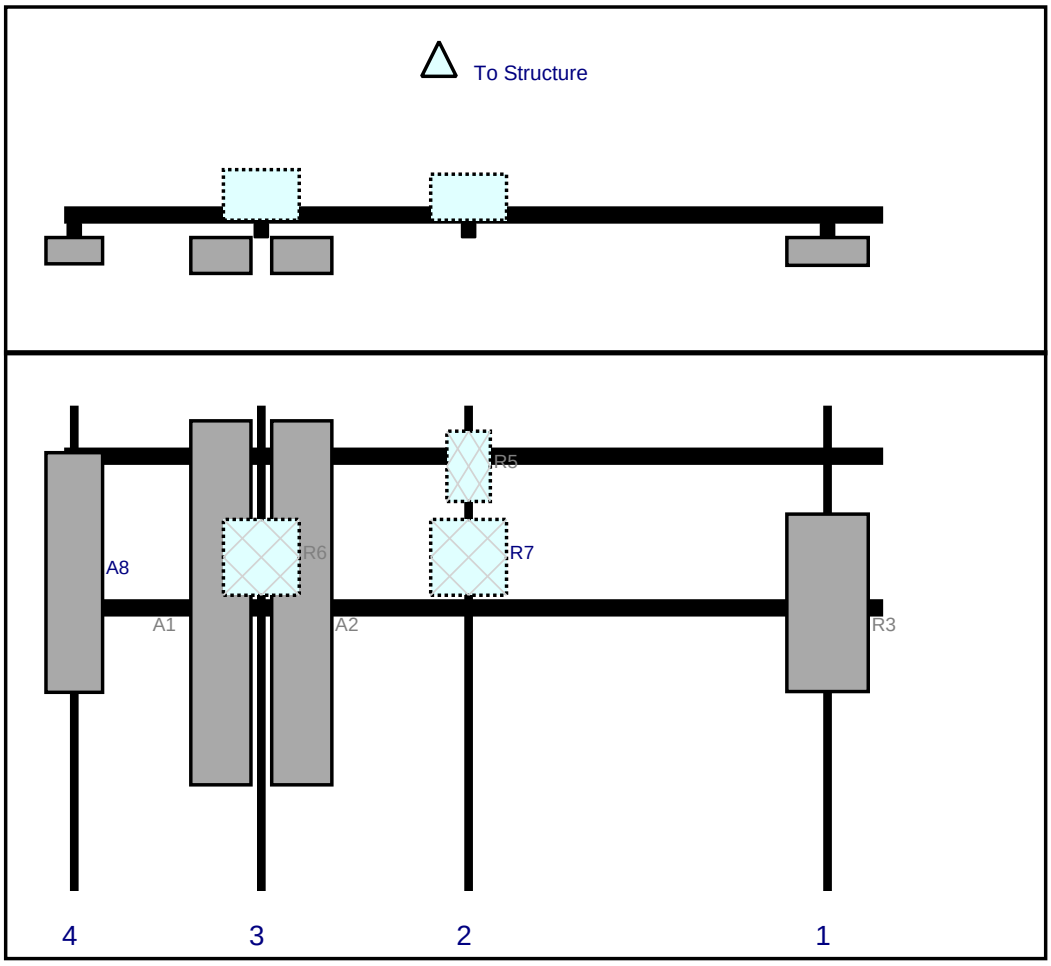
A8	BXA-80063-4BF	47.4	11.2	2	4	a	Front	33	0	Retained	06/09/2021

Plan View

Front View
Looking at Structure



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R7	RF4440d-13A	15	15	80	2	a	Behind	30	0	Added	
A1	NHH-65B-R2B	72	11.9	39	3	a	Front	39	-8	Added	
A2	NHHSS-65B-R2BT0	72	11.9	39	3	a	Front	39	8	Added	
R6	RF4439d-25A	15	15	39	3	a	Behind	30	0	Added	
A8	BXA-80063-4BF	47.4	11.2	2	4	a	Front	33	0	Retained	06/09/2021

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	*Site ID:*	*469328-VZW / W HARTFORD 2 CT*
	Site Name:	*W HARTFORD 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*467 South Quaker Lane* *West Hartford, Connecticut 06110* *Hartford County*
	Latitude:	*41.748750°*
	Longitude:	*-72.731333°*
Structure Information	*Tower Type:*	*120-Ft Monopole*
	Mount Type:	*13.50-Ft Platform*

To Whom It May Concern,

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

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

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

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

Sincerely,

Dejian Xu, PE
Technical Manager

Exhibit F

Power Density/RF Emissions Report

Site Name: ***W HARTFORD 2 CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	689	2756	100	0.0099	0.5007	1.98%
VZW CDMA	869	2	401	802	100	0.0029	0.5793	0.50%
VZW Cellular	869	4	691	2764	100	0.0099	0.5793	1.72%
VZW PCS	1980	4	1497	5988	100	0.0215	1.0000	2.15%
VZW AWS	2125	4	1462	5848	100	0.0210	1.0000	2.10%
VZW CBAND	3730	4	6531	26124	100	0.0939	1.0000	9.39%
VZW CBRS	3625	4	12	48	100	0.0002	1.0000	0.02%
Total Percentage of Maximum Permissible Exposure								17.86%

*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