

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

December 3, 2021

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

RE: Exempt Modification Application 258 Ridge Road, Madison, CT 06433 Latitude: 41.309194 Longitude: -72.614111 Site #: 5800059 Crown VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 258 Ridge Road, Madison, CT 06433. Verizon Wireless currently maintains twelve (12) antennas at the 130-foot level of the existing 150-foot tower. The property is owned by the Town of Madison and the tower is owned by Crown Castle. Verizon now intends to add three (3) antennas. The new antennas would be installed at the 130' level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable. Antenna mount modifications will be completed as per the attached Maser mount analysis dated October 28, 2021.

#### Verizon Planned Modifications:

**Remove:** (1) 1-5/8" Coax

Remove and Replace: (3) Nokia B13 RRH (3) – (REMOVE) - Samsung RRH-RF44390d-25A (REPLACE) (3) Nokia B4 RRH (3) – (REMOVE) - Samsung RRH-RF4440d-13A (REPLACE)

Install New: (3) MT6407-77A Antennas (1) Raycap OVP (1) Hybrid Line

Existing to Remain: (12) ANDREW Antennas (11) 1-5/8" Coax (1) Hybrid Line

The facility was approved by the Connecticut Siting Council, Docket No. 363 on October 30, 2008. Please see attached.



Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. §16-50j-72(b)(2). In accordance with R.C.S.A. §16-SOj-73, a copy of this letter is being sent to Peggy Lyons, First Selectwoman and Erin Mannix, Town Planner for the Town of Madison. 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



Cc: Peggy Lyons, First Selectwoman & Property Owner Town of Madison 8 Campus Drive Madison, CT 06443

Erin Mannix, Town Planner Town of Madison 8 Campus Drive Madison, CT 06443

Crown Castle, Tower Owner

## Exhibit A

**Original Facility Approval** 

<b>DOCKET NO. 363</b> – Crown Communications Inc. application for a Certificate of Environmental Compatibility and Public Need	}	Connecticut
for the construction, maintenance and operation of a telecommunications facility located at 258 Ridge Road, Madison.	}	Siting
Connecticut.	}	Council

October 30, 2008

#### **Decision and Order**

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate, either alone or cumulatively with other effects, when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application, and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Crown Communications Inc., hereinafter referred to as the Certificate Holder, for a telecommunications facility at 258 Ridge Road, Madison, Connecticut

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

- 1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of Omnipoint Communications, Inc. and other entities, both public and private, but such tower shall not exceed a height of 150 feet above ground level. The tower and compound shall be moved approximately 50 feet to the north to avoid tree clearing.
- 2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Madison for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
  - a) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line, and landscaping; and
  - b) construction plans for site clearing, grading, landscaping, water drainage, and erosion and sedimentation controls consistent with the <u>2002 Connecticut Guidelines for Soil Erosion and Sediment Control</u>, as amended.
- 3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of the electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of the electromagnetic radio frequency power density be submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

- 4. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
- 5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
- 6. The Certificate Holder shall provide reasonable space on the tower for no compensation for any Town of Madison public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.
- 7. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed and providing wireless services within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council's Final Decision shall not be counted in calculating this deadline.
- 8. Any request for extension of the time period referred to in Condition 7 shall be filed with the Council not later than 60 days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list, and the Town of Madison. Any proposed modifications to this Decision and Order shall likewise be so served.
- 9. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
- 10. The Certificate Holder shall remove any nonfunctioning antenna, and associated antenna mounting equipment, within 60 days of the date the antenna ceased to function.
- 11. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holder shall provide the Council with written notice of the completion of site construction and the commencement of site operation.

Pursuant to General Statutes § 16-50p, the Council hereby directs that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in the *New Haven Register* and *The Source*.

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

Docket No. 363 Decision and Order Page 3

The parties and intervenors to this proceeding are:

## **Applicant**

Crown Communications, Inc.

## **Its Representative**

Christopher B. Fisher, Esq. Cuddy & Feder LLP 445 Hamilton Avenue, 14<sup>th</sup> Floor White Plains, NY 10601

## **Its Representative**

Julie Kohler, Esq. Jesse Langer, Esq. Cohen and Wolf, P.C. 1115 Broad Street Bridgeport, CT 06604

## **Intervenor**

Omnipoint Communications, Inc.

## Exhibit B

**Property Card** 

## 258 RIDGE RD

Location	258 RIDGE RD	MBLU	78/3///
Acct#	00453700	Owner	TOWN OF MADISON
Assessment	\$103,500	Appraisal	\$147,900
PID	4717	Building Count	1

## **Current Value**

Appraisal						
Valuation Year         Building         Extra Features         Outbuildings         Land         Tota						
2018	\$0	\$0	\$0	\$147,900	\$147,900	
		Assessment	t .			
Valuation Year	Building	Extra Features	Outbuildings	Land	Total	
2018	\$0	\$0	\$0	\$103,500	\$103,500	

## Parcel Addreses

Additional Addresses			
Address	City, State Zip	Туре	
258 RIDGE RD		Primary	

## **Owner of Record**

Owner	TOWN OF MADISON	Sale Price	\$100,000
Co-Owner		Book & Page	660/ 162
Care Of		Sale Date	06/16/1995
		Instrument	15

## **Ownership History**

Ownership History						
Owner Sale Price Book & Page Instrument Sale Da						
TOWN OF MADISON	\$100,000	660/ 162	15	06/16/1995		

## **Building Information**

## **Building 1 : Section 1**

#### Year Built:

Living Area: 0					
Building Attributes					
Field Description					
Style	Vacant Land				
Model					
Stories:					
Occupancy					
Exterior Wall 1					
Exterior Wall 2					
Roof Structure:					
Roof Cover					
Interior Wall 1					
Interior Wall 2					
Interior FIr 1					
Interior FIr 2					
Heat Fuel					
Heat Type:					
АС Туре:					
Total Bedrooms:					
Total Bthrms:					
Total Half Baths:					
Total Xtra Fixtrs:					
Total Rooms:					
Fireplace(s)					
Xtra FPL Open					

## **Building Photo**





## **Building Layout**

(http://images.vgsi.com/photos/MadisonCTPhotos//Sketches/4717\_4717.jp

Building Sub-Areas (sq ft)

No Data for Building Sub-Areas

#### .

## **Extra Features**

**Extra Features** 

No Data for Extra Features

#### Land

## Land Use

Land Use		Land Line Valuation
Use Code	9035	Size (Acres) 3
Description	Municipal Town	
Zone	RU-1	

## Outbuildings

Outbuildings

No Data for Outbuildings

(c) 2020 Vision Government Solutions, Inc. All rights reserved.



## Exhibit C

**Construction Drawings** 



## **VERIZON SITE NUMBER: 468184 VERIZON SITE NAME:** SITE TYPE: **TOWER HEIGHT:** 150'-0''

# **VERIZON FUZE PROJECT #: 16486462**

SITE II	NFORMATION	Ìſ	DRAWING INDE
CROWN CASTLE USA INC.	RIDGE ROAD, MADISON	SHEET #	SHEET DESCRIPTION
SITE ADDRESS	258 RIDGE ROAD	T-1	TITLE SHEET
	MADISON, CT 06433	Т-2	GENERAL NOTES
COUNTY:	NEW HAVEN	C-1	SITE PLAN
MAP/PARCEL #:	TBD	C-2	TOWER ELEVATION & ANTENNA
AREA OF CONSTRUCTION:	EXISTING		FOURPMENT SCHEDULES
LATITUDE:	41° 18' 33.30" N (41.30925°)	C-3	
LONGITUDE:	-72° 36' 51.57" W (-72.614325°)	C-4	EQUIPMENT DETAILS
LAT/LONG TYPE:	NAD83	C-5	FIBER NAMING & EQUIPMENT DE
GROUND ELEVATION:	167'	C-6	COLOR CODE
CURRENT ZONING:	N/A	C-7	PLUMBING DIAGRAM
JURISDICTION:	U U U UF NEW HAVEN	G-1	GROUNDING DETAILS
TYPE OF CONSTRUCTION.	UB	G 2	GROUNDING DETAILS
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION		
PROPERTY OWNER:	TBD		
TOWER OWNER: CARRIER/APPLICANT:	 CCATT LLC 2000 CORPORATE DRIVE CANONSBURG, PA 15317 VERIZON WIRELESS	ALL DRAW 11X17. CON DIMENSION IMMEDIAT DISCREPA	7INGS CONTAINED HEREIN ARE FO TRACTOR SHALL VERIFY ALL PLANS NS AND CONDITIONS ON THE JOB S FELY NOTIFY THE ENGINEER IN WR NCIES BEFORE PROCEEDING WITH BE RESPONSIBLE FOR SAME.
	20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492		APPROVALS
ELECTRIC PROVIDER:	TBD		SIGNATURE
TELCO PROVIDER:	TBD 		
PRO	JECT TEAM	ז <u>ו</u>	
A&E FIRM: CROWN 2000 CO CANON	CASTLE USA INC. RPORATE DRIVE SBURG, PA 15317	CONT	<b>FRACTOR PMI REQUIRI</b>
CROWN CASTLE 1200 MA USA INC DISTRICT MAHWA	AE.APPROVAL@CROWNCASTLE.COM CARTHUR BLVD, SUITE 200 .H. NL 07430	PMI ACCE SMART TO PROJECT	ESSED AT https://pm DOL VENDOR
CONTACTS: PAUL M PAUL.M	ALEK - PROJECT MANAGER ALEK@CROWNCASTLE.COM	VzW LOC.	ATION CODE (PSLC) 468184
SAIMIR SAIMIR.	BICI - CONSTRUCTION MANAGER BICI@CROWNCASTLE.COM	*** PMI A ANAI	AND REQUIREMENTS ALSO EMBEDD LYSIS REPORT
VERIZON TIMOTH CONTACT: TIMOTH	IY PARKS IY.PARKS@VERIZONWIRELESS.COM	MOUN	<b>F MODIFICATION REQUIRE</b>
		VzW A	PPROVED SMART KIT V
		REER TO	

X	LOCATION M	<b>IAP</b>
1	Opening Hill Rd	100000C
PLANS	Opening Har Rd  Double Loop Trail  Madison Brush and Leaf Disposal Facility  Oli Mill	Brook Unham Fiel
L'AILS	R	inell Cheryl K
RMATTED FOR AND EXISTING TE AND SHALL	tennin Rd Codman Rd	Kleins' Golf Range 🐼
ITING OF ANY ΓΗΕ WORK OR	DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (180 WASHINGTON VALLEY RD, BEDM DEPART AND HEAD TOWARD WASHINGTON VALLEY RD / COUNTY HWY-620, PRIVATE ROAD COUNTY HWY-620, BEAR RIGHT ONTO US-206 N / US-202 N / US HIGHWAY 202 206, EXXON ON RAMP ON THE RIGHT FOR I-287 N, ENTERING NEW YORK, TAKE THE RAMP ON THE RIGHT F ZEE BR, KEEP STRAIGHT TO GET ONTO I-287 E, TAKE THE RAMP FOR I-95 N, AT EXIT 61, HEA LEFT ONTO CT-79 / DURHAM RD TOWARD NORTH MADISON, TURN LEFT ONTO GREEN HIL ARRIVE AT 258 RIDGE ROAD, MADISON, CT 06433	MINSTER, NJ 07921) D, GATED ROAD, TURN LEF I THE CORNER, TURN RIGHT FOR I-87 / I-287 SOUTH AND I ID RIGHT ON THE RAMP FOI L RD, TURN RIGHT ONTO RI
DATE	ADDI ICARI E CODES /DEEEDENICE	
	DOCUMENTS	THE PURPOSE OF THIS PE
	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: $\frac{CODE TYPE}{BUILDING} \qquad \frac{CODE}{2018 IBC}$	CONNECTIVITY AND CAP WIRELESS FACILITY. TOWER SCOPE OF WORK • REMOVE (6) RRHs • REMOVE (1)COAX • INSTALL (3) INTEGRA
EMENTS	MECHANICAL2015 IMCELECTRICAL2017 NEC	• INSTALL (6) RRHs • INSTALL (1) OVP • INSTALL (1) HYBPID (
.vxwsmart.com -C	REFERENCE DOCUMENTS:         STRUCTURAL ANALYSIS:       BY OTHERS         DATED:         MOUNT ANALYSIS:       MASER CONSULTING CONNECTICUT	• INSTALL (I) HTBRID ( GROUND SCOPE OF WOR • N/A
ED IN MOUNT	DATED: 10/28/2021 RFDS REVISION: 0 DATED: 07/16/2021 ORDER ID: 582739 REVISION: 0	
D N ENDORS S PAGE FOR	CALL CONNECTICUT ONE CALL (800) 922-4455 CBYD.COM CALL 2 WORKING DAYS BEFORE YOU DIG!	<u>NOTE:</u> PRIOR TO ACCESSING/EN THE CROWN NOC AT (800 MANAGER

## 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.
- "LOOK UP" CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT 2. 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.
- 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
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- 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 RFACE 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.
- 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.

## GREENFIELD GROUNDING NOTES:

- 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. 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
- 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 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. 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. 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. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- 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.

LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).

- 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,

## GENERAL NOTES:

- CONTRACTOR: CARRIER: VERIZON TOWER OWNER: CROWN CASTLE USA INC.
- MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.

- CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
- ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.

- WITH ANY SUCH CHANGE OF INSTALLATION.
- DRAWINGS
- DESIGNATED LOCATION.
- A DAILY BASIS.

## CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

- TO BE 1000 psf.
- APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°F AT TIME OF PLACEMENT
- 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.
- 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... #5 BARS AND LARGER .... THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE
- ON DRAWINGS: CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ... CONCRETE EXPOSED TO EARTH OR WEATHER: #6 BARS AND LARGER ...
- CONCRETE NOT EXPOSED TO EARTH OR WEATHER: SLAB AND WALLS ....
- 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.
- #5 BARS AND SMALLER ... BEAMS AND COLUMNS ..

## FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION

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

ELECTRICAL INSTALLATION NOTES:

AND TRIP HAZARDS ARE ELIMINATED.

4.1.

4.2.

CIRCUIT ID'S).

AND NEC.

THE NEC.

SYSTEM

120/240V, 10

120/208V, 3Ø

277/480V, 3Ø

DC VOLTAGE

ANT

(E)

GEN

GPS

GSM

LTE

MGB

MW

(N)

NEC

(P)

QTY

RECT

RBS

RET

RFDS

RRH

RRU

SIAD

TMA

ΤΥΡ

UMTS

W.P.

ABBREVIATIONS

OTHERWISE SPECIFIED.

EXPOSED INDOOR LOCATIONS

OCCURS OR FLEXIBILITY IS NEEDED.

(WIREMOLD SPECMATE WIREWAY).

BETTER) FOR EXTERIOR LOCATIONS.

(WP OR BETTER) FOR EXTERIOR LOCATIONS.

CONDUCTOR COLOR CODE

CONDUCTOR

A PHASE

**B** PHASE

NEUTRAL

GROUND

A PHASE

B PHASE

C PHASE

NEUTRAL

GROUND

A PHASE

B PHASE

C PHASE

NEUTRAL

GROUND

POS(+)

NEG (-)

FACILITY INTERFACE FRAME

LONG TERM EVOLUTION

NATIONAL ELECTRIC CODE

MASTER GROUND BAR

RADIO BASE STATION

REMOTE RADIO HEAD

REMOTE RADIO UNIT

REMOTE ELECTRIC TILT

RADIO FREQUENCY DATA SHEET

SMART INTEGRATED DEVICE

TOWER MOUNTED AMPLIFIER

UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM

GLOBAL POSITIONING SYSTEM

GLOBAL SYSTEM FOR MOBILE

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

ANTENNA

EXISTING

GENERATOR

MICROWAVE

PROPOSED

QUANTITY

RECTIFIER

TYPICAL

WORK POINT

POWER PLANT

NFW

BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.

COLOR

BLACK

RED

WHITE

GREEN

BLACK

red

BLUE

WHITE

GREEN

BROWN

)RANGE OR PURPLE

YELLOW

GREY

GREEN

RED\*\*

BLACK\*\*

29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "VERIZON".

SCREW FITTINGS ARE NOT ACCEPTABLE.

GRADE PVC CONDUIT

FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.

REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.

ADOPTED CODE PRE THE GOVERNING JURISDICTION.

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. 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

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 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

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.

UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

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

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

12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY

14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON

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

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.

OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS

3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED

2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED

40 ksi

.60 ksi

.1-1/2"

...1 - 1/2"

3/4'

ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE

CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED 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. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO

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

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. 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 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. 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

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

15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR

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

18. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION

19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET

20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND

21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS

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

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

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.

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.

30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

## 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



BELLEVUE, WA 98004

VERIZON SITE NUMBER: 468184

BU #: **5800059 RIDGE ROAD, MADISON** 

> 258 RIDGE ROAD MADISON, CT 06433

EXISTING 150'-0" MONOPOL

## **ISSUED FOR:**

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/16/2021	RCD	FINAL CDs	



**SHEET NUMBER:** 

**REVISION:** 





			AI	NTENNA,	/RRH S	SCHEDU	ILE		
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	ANDREW	DB846F65ZAXY	130'-0"	350°	0°	0°	_	_
		ANDREW	SBNHH-1D65B		75.01		0. (0. (0. (0.	0414011110	(1) RF4439d-25A
A2	EXISTING	ANDREW	SBNHH-1D65B	130°-0°	350	0-	2/2/2/2	SAMSUNG	(1) RF4440d-13A
A3	NEW	SAMSUNG	MT6407-77A	130'-0"	350 <b>°</b>	0.	6*	_	_
Α4	EXISTING	ANDREW	DB846F65ZAXY	130'-0"	350°	0°	0°	RAYCAP	(1) RVZDC-3315-PF-48
B1	EXISTING	ANDREW	DB846F65ZAXY	130'-0"	100°	0°	0°	_	_
D0	EVISTING	ANDREW	SBNHH-1D65B	170' 0"	100°	0°	<u> </u>	SAMSUNG	(1) RF4439d-25A
DZ	EXISTING	ANDREW	SBNHH-1D65B	130 -0	100	0	~ / ~ / ~ / ~	SAMSUNG	(1) RF4440d-13A
В3	NEW	SAMSUNG	MT6407-77A	130'–0"	100 <b>°</b>	0°	6°	_	_
В4	EXISTING	ANDREW	DB846F65ZAXY	130'-0"	100°	0°	0°	_	_
C1	EXISTING	ANDREW	DB846F65ZAXY	130'-0"	260°	0°	0°	_	_
<u> </u>	EVICTINO	ANDREW	SBNHH-1D65B	170' 0"	260°		2° / 2° / 2° / 2°	SAMSLING	(1) RF4439d-25A
CΖ	EXISTING	ANDREW	SBNHH-1D65B	130 -0	280	0	~ / ~ / ~ / ~	SAMSUNG	(1) RF4440d-13A
C3	NEW	SAMSUNG	MT6407-77A	130'-0"	260°	0.	6*	_	_
C4	EXISTING	ANDREW	DB846F65ZAXY	130'-0"	260°	0°	0°	_	_

VERIZON TOWER EQUIPMENT SCHEDULE SCALE: NOT TO SCALE

CABLE SCHEDULE										
STATUS	CABLE TYPE	SIZE	LENGTH	QTY						
EXISTING	COAX	1-5/8"	180'-0"±	11						
EXISTING	HYBRID	1-5/8"	180'-0"±	1						
NEW	HYBRID	1-5/8"	180'-0"±	1						
TOTAL CABLE QTY:				13						









— (E) 150'-0" MONOPOLE

– (E) VERIZON FEEDLINES (11) COAX CABLES (1–5/8")

		1
1		
	 -	









RRFDC-3315-PF-48         S, LxWxH:       10.31"x15.73"x28.93"         /0 BRACKETS:       32.0 lbs		
<u>RVZDC−6627−PF−48 OVP DETAIL</u> DT TO SCALE <u>RF4440d−13A</u> : 13.91" X 8.55" X 4.15" 18.64 lbs	NOT USED SCALE: NOT TO SCALE FIBER NAN	
-40° TO 55° C	Technology	/Equipmer
	DUPL	EX FIBER RUN
	5GmmW L0	5GmmW-A-0
8.55"	SIMPL	EX FIBER RUN
	CBRS LO	CBRS-A-0
	CBRS L1	CBRS-A-1
<u>+.15"</u>	LAA LO	LAA-A-0
	High Band Dual Band LO	HB-A-0
	High Band Dual Band L1	HB-A-1
	Low Band Dual Band L0	LB-A-0
	FDMIMO AWS LO	FDM-AWS-A
	FDMIMO AWS L1	FDM-AWS-A
	FDMIMO PCS LO	FDM-PCS-A-
	FDMIMO PCS L1	FDM-PCS-A-
	Rev	1. 2/23/2021
SAMSUNG CBRS RRH – RT4401–48A DETAIL SCALE: NOT TO SCALE	6 FIBER NAMING SCALE: NOT T	G CONVENTION TO SCALE

	<b>Verizo</b> 180 WASHINGTON VALLE BEDMINSTER, NJ 07	Y ROAD 921
	1200 MACARTHUR BLVD, S MAHWAH, NJ 0743	DWN STLE UITE 200
	FROM ZERO TO IN the solutions of BELLEVUE, WA 9800	FINIGY are endless
	VERIZON SITE NU 468184 BU #: 580005 RIDGE ROAD, MA 258 RIDGE RO MADISON, CT 0 EXISTING 150'-0" MO	JMBER: 9 <b>DISON</b> AD 6433 NOPOLE
NVENTION	ISSUED FOR:         REV       DATE       DRWN       DESCRIP         0       11/16/2021       RCD       FINAL C	IION DES./QA 2Ds
quinment-Sector-OPTI #)		
$m_{\rm M} = 0$		
RRUN		
S-A-0	NINT CONN.	11,
5-A-1	NAT: EN SAKA	
-A-0	EST ST Star	0:01
A-0		m * E
\- <u>1</u>	E	
-0	TO SAUCENIGED.	
-AWS-A-0	INSIONAL ET	6111
-AWS-A-1	11/24/21	·
-PCS-A-0		
-PCS-A-1	IT IS A VIOLATION OF LAW FOR AN UNLESS THEY ARE ACTING UNDER T	NY PERSON, HE DIRECTION
021	OF A LICENSED PROFESSIONAL E TO ALTER THIS DOCUMEN	ENGINEER, NT.
ION	SHEET NUMBER:	REVISION:

Alpha AWS					 Beta AWS				 Gan	nmaAWS					
Port 1	WHITE		J		 Port1				Port	t1					
Port 2	WHITE				 Port 2				Port	t2			 *		
Port 3	WHITE			1 .	Port 3				 Port	t3					
Port 4	WHITE				 Port 4				Port	t 4					
Alpha PCS		 			 Beta PCS			 	Gan	nma PCS			 		
Port 1	WHITE				Port1				Port	t1					
Port 2	WHITE				Port 2			( ;	Port	t2			1		
Port3	WHITE				Port 3				Port	t3	1				
Port 4	WHITE				Port 4				Port	t 4					
Alpha LTE 700					Beta LTE 70	0			Gan	nma LTE 700					
Port 1	WHITE		ĵ.		Port 1				Port	t1					
Port 2	WHITE				Port 2				Port	t2					
Port 3	WHITE			š	Port 3				 Port	t3				<u></u>	
Port 4	WHITE				Port 4				Port	t4					
Alpha 850 LTE					Beta 850 LT	Ε		 2	Gan	nma 850 LTE		1			
Port 1	WHITE				Port 1				Port	t1					
Port 2	WHITE				Port 2			2	Port	t 2					
Port 3	WHITE				Port 3				Port	t3					
Port 4	WHITE			No.	Port 4				Port	t4					
Alpha 850 CDMA					Beta 850 CD	MA			Gan	mma 850 CDMA					
Port 1	WHITE				Port 1				Port	t1					
Port 2	WHITE		ļ		Port 2				Port	t2					
Alpha EVDO			)		Beta EVDO				Gan	nma EVDO					
Port 1	WHITE				Port1		J		Port	t1					
Port 2	WHITE				 Port 2			K	Port	t2					

GP5 1			
GPS 2			
GP5 3			
GPS 4	Y		

Alpha 850 LTE + 700 LTE						
Port 1	WHITE					
Port 2	WHITE	[				
Port 3	WHITE					 
Port 4	WHITE					
Beta 850 LTE + 700 LTE					 12	
Port 1						
Port 2	-				 	
Port 3						
Port 4						
Gamma 850 LTE + 700 LTE						
Port 1		3				
Port 2						
Port 3			-			
Port 4						

Alpha 650 NR Fiber	White	Ptouch - Alpha 850 NR
8eta 850 NR Fiber		Ptouch - Beta 850 NR
Gamma 850 NR Fiber		Ptouch - Gamma 850 NR







BSAMNT-SBS-1-2



Not all SBT ports are needed to control RET, only green port connection to green port will control RET.





## Comments:

Rooftop

Diagram shows antenna port configuration as viewed from below antennas.

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

Cap and weatherproof unused antenna ports.

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

PLUMBING DIAGRAM SCALE: NOT TO SCALE











## Exhibit D

**Structural Analysis Report** 

Date: August 11, 2021



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

Subject:	Structural Analysis Report	
Carrier Designation:	<i>Verizon Wireless</i> Co-Locate Site Number: Site Name:	468184 MADISON 3 CT
Crown Castle Designation:	BU Number: Site Name: JDE Job Number: Work Order Number: Order Number:	5800059 Ridge Road, Madison 682796 2007110 582739 Rev. 0
Engineering Firm Designation:	B+T Group Project Number:	87323.004.01
Site Data:	258 Ridge Road, Madison, New H Latitude <i>41° 18' 33.3"</i> , Longitude 150 Foot - Monopole Tower	aven County, CT -72° 36′ 51.57″

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

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

LC7: Proposed Equipment Configuration

### Sufficient Capacity – 45.9%

This analysis utilizes an ultimate 3-second gust wind speed of 130 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: Austin Steward

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



## TABLE OF CONTENTS

## 1) INTRODUCTION

### 2) ANALYSIS CRITERIA

Table 1 - Proposed Equipment ConfigurationTable 2 - Other Considered Equipment

## **3) ANALYSIS PROCEDURE**

Table 3 - Documents Provided

- 3.1) Analysis Method
- 3.2) Assumptions

## 4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary) Table 5 – Tower Component Stresses vs. Capacity – LC7

4.1) Recommendations

## 5) APPENDIX A

tnxTower Output

## 6) APPENDIX B

Base Level Drawing

## 7) APPENDIX C

Additional Calculations

## 1) INTRODUCTION

This tower is a 150 ft. monopole tower designed by Valmont.

## 2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	130 mph
Exposure Category:	В
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

## Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)							
		6	Commscope	SBNHH-1D65B									
		6	Decibel	DB846F65ZAXY									
	130.0	1	Raycap	RVZDC-6627-PF-48									
120.0		130.0	3	Samsung Telecom.	MT6407-77A	12	1 5/9						
130.0			130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	3	Samsung Telecom.	RFV01U-D1A
		3	Samsung Telecom.	RFV01U-D2A	1								
		3	Commscope	BSAMNT-SBS-1-2									
		1		Platform Mount [LP 304-1]									

## **Table 2 - Other Considered Equipment**

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)		
	159.0	1	Dbspectra	DS4C06F36D-D				
		3	Ericsson	AIR 32 B2A/B66AA				
		3	Ericsson	AIR6449 B41				
		3	Ericsson	ERICSSON AIR 21 B2P				
148.0	150.0	150.0	3	Ericsson	KRY 112 144/1			
			3	Ericsson	RADIO 4449 B71 B85A_T- MOBILE	12 2	1-5/8 7/8	
				3	Ericsson	RRUS 4415 B25		
			3	RFS Celwave	APXVAARR24_43-U-NA20_T- MOBILE			
	148.0	1		Platform Mount [LP 303-1_KCKR-HR-1]				
		3	CCI Antennas	HPA-65R-BUU-H6				
140.0		3	Ericsson	RRUS 11	12	1-5/8		
	140.0	3	Ericsson	RRUS 32 B2	2	7/16		
		6	Powerwave Tech.	7770.00	1	3/8		
		6	Powerwave Tech.	LGP21401				

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	
		1	Raycap	DC6-48-60-18-8F			
		1 Platform Mount [LP 304-1_HR-1]					
		1	Kathrein	800 10251		7/0	
124.0	124.0	.0 124.0	1	Radiowaves	HP2-4.7NS	2	11/32
		1		Side Arm Mount [SO 701-1]		11/02	
113.0	116.0 113.0	1	Sinclair	SC323			
		3	Kathrein	800 10252			
		1	RFI Antennas	CSA40-67-DIN	5	7/8	
		1		Side Arm Mount [SO 701-3]			
		1		T-Arm Mount [TA 601-1]			
		3	Fujitsu	TA08025-B604			
99.0		3	Fujitsu	TA08025-B605			
	99.0	3	JMA Wireless	MX08FRO665-21	1	1-1/2	
		1	Raycap	RDIDC-9181-PF-48			
		1	Commscope	MC-PK8-DSH			

### **3) ANALYSIS PROCEDURE**

### Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	2354011	CCI Sites
Mount Analysis Report	9909503	CCI Sites
Foundation Drawing	2354010	CCI Sites
Geotech Report	2354009	CCI Sites
Crown CAD Package	Date: 02/08/2021	CCI Sites

## 3.1) Analysis Method

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

### 3.2) Assumptions

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

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

## 4) ANALYSIS RESULTS

## Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	Р (К)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	150 - 110	Pole	TP39.633x28.4x0.25	1	-16.649	1847.695	27.7	Pass
L2	110 - 94.25	Pole	TP43.556x37.659x0.281	2	-21.112	2288.202	35.8	Pass
L3	94.25 - 46.25	Pole	TP56.472x41.449x0.375	3	-38.452	3952.473	42.4	Pass
L4	46.25 - 0	Pole	TP68.71x53.686x0.438	4	-62.042	5823.394	43.7	Pass
							Summary	
						Pole (L4)	43.7	Pass
						Rating =	43.7	Pass

## Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	Base	37.5	Pass
1,2	Base Plate	Base	31.7	Pass
1,2	Base Foundation (Structural)	Base	45.9	Pass
1,2	Base Foundation (Soil Interaction)	Base	28.3	Pass

Structure Rating (max from all components) =	45.9%
Structure Rating (max from all components) =	45.9%

Notes:

1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.

2) Rating per TIA-222-H Section 15.5.

#### 4.1) Recommendations

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

APPENDIX A

**TNXTOWER OUTPUT** 



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

#### **TOWER DESIGN NOTES**

- Tower is located in New Haven County, Connecticut.
   Tower designed for Exposure B to the TIA-222-H Standard.

3. Tower designed for a 130 mph basic wind in accordance with the TIA-222-H Standard. 4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase

- in thickness with height.
- 5. Deflections are based upon a 60 mph wind.
   6. Tower Risk Category II. 7. Topographic Category 1 with Crest Height of 0.000 ft
- 8. TIA-222-H Annex S
- 9. TOWER RATING: 43.7%

B+T Group	<sup>000.</sup> 8
1717 S. Boulder, Suite 300	Proje
B+T GRP Tulsa, OK 74119	Clien
Phone: (918) 587-4630	Code
FAX: (918) 295-0265	Path:

MOMENT

946 kip-ft

MOMENT

3749 kip-ft

\_1

	<sup>Job:</sup> 87323.004.01 -	Ridge Road, M	adison, CT (BU# 580005
300	Project:		
000	<sup>Client:</sup> Crown Castle	Drawn by: Damodar	App'd:
	<sup>Code:</sup> TIA-222-H	Date: 08/09/21	Scale: NTS
	Path:		<sup>Dwg No.</sup> E-1



	J# 580005
FP 1717 S. Boulder, Suite 300 Project:	
B+T GRP Tulsa OK 74119 Client: Crown Castle Drawn by: Damodar App'd:	
Phone: (918) 587-4630 Code: TIA-222-H Date: 08/09/21 Scale: NTS	
FAX: (918) 295-0265 Path: Discourse of the second s	

## TIA-222-H - Service - 60 mph



Г	B+T Group	<sup>Job:</sup> 8	7323.004.01	- Ridge Road, M	adison, (
22	1717 S. Boulder, Suite 300	Project	t:		
3+T GRP	Tulsa OK 74119	Client:	Crown Castle	<sup>Drawn by:</sup> Damodar	App'd:
	Phone: (918) 587-4630	Code:	TIA-222-H	Date: 08/09/21	Scale: NTS
	FAX: (918) 295-0265	Path:	Userrilli 40-707 Destuci C07322 500058 Ridae Road Made		Dwg No. E-5

## Feed Line Distribution Chart 0' - 150'

Flat \_\_\_\_\_ App In Face \_\_\_\_\_ App Out Face \_\_\_\_\_ Truss Leg



<b>B</b> +T Group	<sup>Job:</sup> 87323.004.01 -	Ridge Road, M	adison, CT (BU# 580005
1717 S. Boulder, Suite 300	Project:		
B+T GRP Tulsa OK 74119	Client: Crown Castle	<sup>Drawn by:</sup> Damodar	App'd:
Phone: (918) 587-4630	Code: TIA-222-H	Date: 08/09/21	<sup>Scale:</sup> NTS
FAX: (918) 295-0265	Path:	-Samada-Sural Galilles (04 (1973)) (04 St Rice Read Markers (1	Dwg No. E-7

Elevation (ft)

Round



B+T Group

1717 S. Boulder, Suite 300 Tulsa, OK 74119

Phone: (918) 587-4630

FAX: (918) 295-0265

## **Tower Input Data**

The tower is a monopole.

This tower is designed using the TIA-222-H standard. The following design criteria apply: Tower is located in New Haven County, Connecticut. Tower base elevation above sea level: 133.000 ft. Basic wind speed of 130 mph. Risk Category II. Exposure Category B. Simplified Topographic Factor Procedure for wind speed-up calculations is used. Topographic Category: 1. Crest Height: 0.000 ft. Nominal ice thickness of 1.500 in. Ice thickness is considered to increase with height. Ice density of 56.000 pcf. A wind speed of 50 mph is used in combination with ice. Temperature drop of 50.000 °F. Deflections calculated using a wind speed of 60 mph. TIA-222-H Annex S. A non-linear (P-delta) analysis was used. Pressures are calculated at each section. Stress ratio used in pole design is 1. Tower analysis based on target reliabilities in accordance with Annex S. Load Modification Factors used:  $K_{es}(F_w) = 0.95$ ,  $K_{es}(t_i) = 0.85$ . Maximum demand-capacity ratio is: 1.05. Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

## Options

- Consider Moments Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification Use Code Stress Ratios  $\sqrt{}$ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile Include Bolts In Member Capacity Leg Bolts Are At Top Of Section Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) SR Members Have Cut Ends SR Members Are Concentric
- Distribute Leg Loads As Uniform Assume Legs Pinned Assume Rigid Index Plate Use Clear Spans For Wind Area
- Use Clear Spans For KL/r Retension Guys To Initial Tension √ Bypass Mast Stability Checks
- $\sqrt{}$  Use Azimuth Dish Coefficients
- V Ose Azimum Dish Coefficients V Project Wind Area of Appurt.
- Project Wind Area of Appurt. Autocalc Torque Arm Areas Add IBC .6D+W Combination Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs

Use ASCE 10 X-Brace Ly Rules Calculate Redundant Bracing Forces Ignore Redundant Members in FEA SR Leg Bolts Resist Compression All Leg Panels Have Same Allowable Offset Girt At Foundation

- ✓ Consider Feed Line Torque Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption Poles
- √ Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets
- √ Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known
# tnxTower

Job 87323.004.01 - Ridge Road, Madison, CT (BU# 5800059)

Project

Client

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

Crown Castle

2 of 20

Page

Damodar

### **Tapered Pole Section Geometry**

Section	Elevation	Section Length	Splice Length	Number of	Top Diameter	Bottom Diameter	Wall Thickness	Bend Radius	Pole Grade
	ft	ft	ft	Sides	in	in	in	in	
L1	150.000-110.00 0	40.000	5.250	18	28.400	39.633	0.250	1.000	A572-65 (65 ksi)
L2	110.000-94.250	21.000	5.500	18	37.659	43.556	0.281	1.125	A572-65 (65 ksi)
L3	94.250-46.250	53.500	7.250	18	41.449	56.472	0.375	1.500	A572-65 (65 ksi)
L4	46.250-0.000	53.500		18	53.686	68.710	0.438	1.750	A572-65 (65 ksi)

### **Tapered Pole Properties**

Section	Tip Dia.	Area	Ι	r	С	I/C	J	It/Q	w	w/t
	in	$in^2$	$in^4$	in	in	in <sup>3</sup>	$in^4$	$in^2$	in	
L1	28.800	22.337	2236.246	9.993	14.427	155.002	4475.435	11.171	4.558	18.234
	40.206	31.250	6123.656	13.981	20.134	304.152	12255.369	15.628	6.535	26.142
L2	39.693	33.366	5889.316	13.269	19.131	307.848	11786.381	16.686	6.133	21.806
	44.185	38.631	9139.882	15.363	22.126	413.075	18291.791	19.319	7.171	25.496
L3	43.599	48.888	10420.184	14.581	21.056	494.878	20854.080	24.449	6.635	17.693
	57.285	66.769	26545.722	19.914	28.688	925.332	53126.374	33.391	9.279	24.744
L4	56.514	73.942	26487.970	18.903	27.273	971.231	53010.794	36.978	8.679	19.837
	69.702	94.805	55829.000	24.237	34.905	1599.470	111731.461	47.411	11.323	25.881

Tower	Gusset	Gusset	Gusset Grade	Adjust. Factor	Adjust.	Weight Mult.	Double Angle	Double Angle	Double Angle
Elevation	Area	Thickness		$A_f$	Factor	-	Stitch Bolt	Stitch Bolt	Stitch Bolt
	(per face)			,	Α.		Spacing	Spacing	Spacing
	(Fri Juri)				,		Diagonals	Horizontals	Redundants
ft	$ft^2$	in					in	in	in
L1				1	1	1			
150.000-110.0									
00									
L2				1	1	1			
110.000-94.25									
0									
L3				1	1	1			
94.250-46.250									
L4				1	1	1			
46.250-0.000									

### Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face	Allow	Exclude	Component	Placement	Total	Number	Clear	Width or	Perimeter	Weight
	or	Shield	From	Type		Number	Per Row	Spacing	Diameter		
	Leg		Torque		ft			in	in	in	klf
			Calculation								
*											

Floje

# tnxTower

Job 87323.004.01 - Ridge Road, Madison, CT (BU# 5800059) Project

Page 3 of 20 Date 14:25:58 08/09/21

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

Client

Crown Castle

Designed by Damodar

### Feed Line/Linear Appurtenances - Entered As Area

Description	Face	Allow	Exclude	Component Type	Placement	Total Number		$C_A A_A$	Weight
	Leg	Smena	Torque Calculation	Type	ft	number		ft²/ft	klf
LDF5-50A(7/8)	А	No	No	Inside Pole	148.000 - 0.000	2	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
							2" Ice	0.000	0.000
HCS 6X12	А	No	No	Inside Pole	148.000 - 0.000	3	No Ice	0.000	0.002
4AWG(1-5/8)							1/2" Ice	0.000	0.002
							1" Ice	0.000	0.002
							2" Ice	0.000	0.002
MLE HYBRID	А	No	No	Inside Pole	148,000 - 0,000	1	No Ice	0.000	0.001
POWER/18FIBER		110	110	1101401010	1101000 01000	-	1/2" Ice	0.000	0.001
RI 2(1-5/8)							1" Ice	0.000	0.001
ne 2(1 5/0)							2" Ice	0.000	0.001
$CE159 = 50 \wedge (1 - 5/9)$	٨	No	No	Incida Dala	148.000 0.000	0	No Ioo	0.000	0.001
JCI 138-30A(1-5/8)	A	INU	INU	mside i ole	148.000 - 0.000	0	1/2" Loo	0.000	0.001
							172 100	0.000	0.001
							2" Lee	0.000	0.001
*							2 <sup>th</sup> Ice	0.000	0.001
AVA7-50(1-5/8)	С	No	No	Inside Pole	140.000 - 0.000	12	No Ice	0.000	0.001
	0	110	110		1101000 01000		1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
FR LOSP 002 75000	C	No	No	Incide Dole	140.000 0.000	1	2 ICC	0.000	0.001
(2/8)	C	INU	INU	inside i oie	140.000 - 0.000	1	1/2" Icc	0.000	0.000
(3/8)							1/2 100	0.000	0.000
							2" Lee	0.000	0.000
VD VC100CT DDD	C	N.	N.	Leside Dela	140.000 0.000	2	2 <sup>th</sup> Ice	0.000	0.000
WK-VGI22SI-BKD	C	INO	INO	Inside Pole	140.000 - 0.000	Z		0.000	0.000
A(//16)							1/2" Ice	0.000	0.000
							I" Ice	0.000	0.000
	~						2" Ice	0.000	0.000
2" Rigid Conduit	С	No	No	Inside Pole	140.000 - 0.000	1	No Ice	0.000	0.003
							1/2" Ice	0.000	0.003
							1" Ice	0.000	0.003
*							2" Ice	0.000	0.003
$AVA7_{-50(1_{-5}/8)}$	в	No	No	Inside Pole	130 000 - 0 000	12	No Ice	0.000	0.001
11111 30(1 5/0)	D	110	110	morae i ore	150.000 0.000	12	1/2" Ice	0.000	0.001
							172 Ice	0.000	0.001
							2" Loo	0.000	0.001
HB158 1 08118 S81	в	No	No	Incide Dole	130,000 0,000	1	2 ICC	0.000	0.001
19(1 5/9)	Б	INO	INO	liside Fole	130.000 - 0.000	1	1/2" Las	0.000	0.001
10(1-5/6)							1/2 ICe	0.000	0.001
							1º Ice	0.000	0.001
*							2 <sup>th</sup> Ice	0.000	0.001
$\frac{1}{10}$ DF5 50A(7/8)	C	No	No	Incide Dole	124,000 0,000	1	No Ice	0.000	0.000
LDI 5-50A(7/8)	C	INU	INU	inside i ole	124.000 - 0.000	1	1/2" Lee	0.000	0.000
							1/2 ICe	0.000	0.000
								0.000	0.000
7021 (11/22)	C	N	N	T 1 D 1	124.000 0.000	2	2 <sup>°</sup> Ice	0.000	0.000
(921A(11/32)	U	INO	INO	inside Pole	124.000 - 0.000	2	INO ICE	0.000	0.001
							1/2" Ice	0.000	0.001
							I" Ice	0.000	0.001
*							2" Ice	0.000	0.001
$I DF5_50A(7/8)$	C	No	No	Inside Pole	113 000 - 0 000	5	No Ice	0.000	0.000
LDF3-30A(7/0)	U	110	INU	mside role	113.000 - 0.000	5	1/2" Ice	0.000	0.000
							172 ICC	0.000	0.000
							1 1ce	0.000	0.000
							2 ice	0.000	0.000

tnxTower	Job 87323.004.01 - Ridge Road, Madison, CT (BU# 5800059)	Page 4 of 20
<b>B+T Group</b> 1717 S. Boulder, Suite 300	Project	Date 14:25:58 08/09/21
Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Client Crown Castle	Designed by Damodar

Description	Face	Allow	Exclude	Component	Placement	Total		$C_A A_A$	Weight
	or Leg	Shield	From Torque	Туре	ft	Number		ft²/ft	klf
			Calculation						
CU12PSM9P6XXX(	В	No	No	Inside Pole	99.000 - 0.000	1	No Ice	0.000	0.002
1-1/2)							1/2" Ice	0.000	0.002
							1" Ice	0.000	0.002
							2" Ice	0.000	0.002
*									

# Feed Line/Linear Appurtenances Section Areas

Tower	Tower	Face	$A_R$	$A_F$	$C_A A_A$	$C_A A_A$	Weight
Section	Elevation				In Face	Out Face	Ŭ,
	ft		$ft^2$	$ft^2$	$ft^2$	$ft^2$	Κ
L1	150.000-110.000	А	0.000	0.000	0.000	0.000	0.583
		В	0.000	0.000	0.000	0.000	0.194
		С	0.000	0.000	0.000	0.000	0.370
L2	110.000-94.250	А	0.000	0.000	0.000	0.000	0.241
		В	0.000	0.000	0.000	0.000	0.164
		С	0.000	0.000	0.000	0.000	0.229
L3	94.250-46.250	А	0.000	0.000	0.000	0.000	0.736
		В	0.000	0.000	0.000	0.000	0.578
		С	0.000	0.000	0.000	0.000	0.697
L4	46.250-0.000	А	0.000	0.000	0.000	0.000	0.709
		В	0.000	0.000	0.000	0.000	0.557
		С	0.000	0.000	0.000	0.000	0.672

# Feed Line/Linear Appurtenances Section Areas - With Ice

Tower	Tower	Face	Ice	$A_R$	$A_F$	$C_A A_A$	$C_A A_A$	Weight
Section	Elevation	or	Thickness			In Face	Out Face	
	ft	Leg	in	$ft^2$	$ft^2$	$ft^2$	$ft^2$	Κ
L1	150.000-110.000	А	1.461	0.000	0.000	0.000	0.000	0.583
		В		0.000	0.000	0.000	0.000	0.194
		С		0.000	0.000	0.000	0.000	0.370
L2	110.000-94.250	А	1.427	0.000	0.000	0.000	0.000	0.241
		В		0.000	0.000	0.000	0.000	0.164
		С		0.000	0.000	0.000	0.000	0.229
L3	94.250-46.250	А	1.374	0.000	0.000	0.000	0.000	0.736
		В		0.000	0.000	0.000	0.000	0.578
		С		0.000	0.000	0.000	0.000	0.697
L4	46.250-0.000	А	1.227	0.000	0.000	0.000	0.000	0.709
		В		0.000	0.000	0.000	0.000	0.557
		С		0.000	0.000	0.000	0.000	0.672

		F€	ed Line	Center of	<sup>i</sup> Pressur
Section	Elevation	CP <sub>X</sub>	CPz	CP <sub>X</sub>	CPZ
				Ice	Ice
	ft	in	in	in	in

tnxTower	Job 87323.004.01 - Ridge Road, Madison, CT
B+T Group	Project

Client

1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265 14:25:58 08/09/21 Designed by Damodar

5 of 20

Page

Date

(BU# 5800059)

		~~		~~	
Section	Elevation	$CP_X$	$CP_Z$	$CP_X$	$CP_Z$
				Ice	Ice
	ft	in	in	in	in
L1	150.000-110.000	0.000	0.000	0.000	0.000
L2	110.000-94.250	0.000	0.000	0.000	0.000
L3	94.250-46.250	0.000	0.000	0.000	0.000
L4	46.250-0.000	0.000	0.000	0.000	0.000

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

### **Discrete Tower Loads**

**Crown Castle** 

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustment	Placement		$C_A A_A$ Front	C <sub>A</sub> A <sub>A</sub> Side	Weight
			ft ft ft	٥	ft		$ft^2$	$ft^2$	K
Lightning Rod 5/8" x 4'	С	None		0.000	152.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.250 0.664 0.973 1.494	0.250 0.664 0.973 1.494	0.031 0.034 0.039 0.059
* DS4C06F36D-D	А	From Leg	2.000 0.000 11.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.820 7.793 9.783 13.813	5.820 7.793 9.783 13.813	0.050 0.092 0.146 0.292
Pipe Mount [PM 601-1]	А	From Leg	$2.000 \\ 0.000 \\ 4.000$	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.320 1.580 1.840 2.400	1.320 1.580 1.840 2.400	0.065 0.077 0.093 0.134
10' x 2" Mount Pipe	А	From Leg	2.000 0.000 -2.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.375 3.403 4.448 5.911	2.375 3.403 4.448 5.911	0.037 0.054 0.079 0.148
* ERICSSON AIR 21 B2P w/ Mount Pipe	А	From Leg	4.000 0.000 2.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.140 3.450 3.760 4.420	2.580 2.880 3.180 3.820	0.103 0.154 0.214 0.362
ERICSSON AIR 21 B2P w/ Mount Pipe	В	From Leg	4.000 0.000 2.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.420 3.140 3.450 3.760 4.420	2.580 2.880 3.180 3.820	0.302 0.103 0.154 0.214 0.362
ERICSSON AIR 21 B2P w/ Mount Pipe	С	From Leg	4.000 0.000 2.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.140 3.450 3.760 4.420	2.580 2.880 3.180 3.820	0.103 0.154 0.214 0.362
APXVAARR24_43-U-NA20 _T-MOBILE w/ Mount Pipe	Α	From Leg	4.000 0.000 2.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	14.690 15.460 16.230 17.820	6.870 7.550 8.250 9.670	0.186 0.315 0.458 0.788
APXVAARR24_43-U-NA20 _T-MOBILE w/ Mount Pipe	В	From Leg	4.000 0.000 2.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	14.690 15.460 16.230 17.820	6.870 7.550 8.250 9.670	0.186 0.315 0.458 0.788
APXVAARR24_43-U-NA20	С	From Leg	4.000	0.000	148.000	No Ice	14.690	6.870	0.186

# tnxTower

Job 87323.004.01 - Ridge Road, Madison, CT (BU# 5800059) Page 6 of 20

Date

Project

Client

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

Crown Castle

Designed by Damodar

Description	Face or Leg	Offset Type	Offsets: Horz Lateral	Azimuth Adjustment	Placement		$C_A A_A$ Front	$C_A A_A$ Side	Weight
			ft ft ft ft	o	ft		ft <sup>2</sup>	ft <sup>2</sup>	K
T-MOBILE w/ Mount Pipe			0.000			1/2" Ice	15,460	7.550	0.315
			2.000			1" Ice	16.230	8.250	0.458
						2" Ice	17.820	9.670	0.788
AIR6449 B41	А	From Leg	4.000	0.000	148.000	No Ice	5.280	2.050	0.104
		0	0.000			1/2" Ice	5.710	2.380	0.143
			2.000			1" Ice	6.150	2.720	0.186
						2" Ice	7.070	3.450	0.287
AIR6449 B41	В	From Leg	4.000	0.000	148.000	No Ice	5.280	2.050	0.104
			0.000			1/2" Ice	5.710	2.380	0.143
			2.000			1" Ice	6.150	2.720	0.186
						2" Ice	7.070	3.450	0.287
AIR6449 B41	С	From Leg	4.000	0.000	148.000	No Ice	5.280	2.050	0.104
			0.000			1/2" Ice	5.710	2.380	0.143
			2.000			1" Ice	6.150	2.720	0.186
						2" Ice	7.070	3.450	0.287
AIR 32 B2A/B66AA w/	Α	From Leg	4.000	0.000	148.000	No Ice	3.760	3.150	0.194
Mount Pipe			0.000			1/2" Ice	4.120	3.490	0.252
			2.000			I" Ice	4.480	3.840	0.320
A ID 22 D2 A /D(( A A/	р	Ensure Lass	4 000	0.000	149.000	2" Ice	5.240	4.580	0.485
AIR 32 B2A/B66AA W/	В	From Leg	4.000	0.000	148.000	No Ice	3.760	3.150	0.194
Mount Pipe			2.000			1/2" Ice	4.120	3.490	0.252
			2.000			1 ICC 2" Icc	4.480	5.840	0.320
AID 32 $B2A/B66AAw/$	C	From Lag	4 000	0.000	148 000	Z ICC	3.240	4.380	0.485
Mount Pine	C	FIOIDLeg	4.000	0.000	148.000	1/2" Ice	4 120	3.150	0.194
Would Tipe			2 000			1" Ice	4 480	3 840	0.232
			2.000			2" Ice	5 240	4 580	0.320
RRUS 4415 B25	А	From Leg	4.000	0.000	148.000	No Ice	1.644	0.679	0.044
		8	0.000			1/2" Ice	1.804	0.791	0.056
			2.000			1" Ice	1.972	0.913	0.071
						2" Ice	2.329	1.183	0.109
RRUS 4415 B25	В	From Leg	4.000	0.000	148.000	No Ice	1.644	0.679	0.044
		-	0.000			1/2" Ice	1.804	0.791	0.056
			2.000			1" Ice	1.972	0.913	0.071
						2" Ice	2.329	1.183	0.109
RRUS 4415 B25	С	From Leg	4.000	0.000	148.000	No Ice	1.644	0.679	0.044
			0.000			1/2" Ice	1.804	0.791	0.056
			2.000			1" Ice	1.972	0.913	0.071
						2" Ice	2.329	1.183	0.109
(2) KRY 112 144/1	А	From Leg	4.000	0.000	148.000	No Ice	0.350	0.175	0.011
			0.000			1/2" Ice	0.426	0.234	0.014
			2.000			1" Ice	0.509	0.301	0.019
VDV 112 144/1	р	Enom Lag	4 000	0.000	148.000	2º Ice	0.098	0.456	0.032
KK I 112 144/1	D	From Leg	4.000	0.000	148.000	1/2" Loo	0.330	0.175	0.011
			2,000			1/2 ICC	0.420	0.234	0.014
			2.000			2" Ice	0.509	0.301	0.019
RADIO 4449 B71	Δ	From Leg	4 000	0.000	148 000	No Ice	1 970	1 587	0.073
B85A T-MOBILE	11	TTOIL Leg	0.000	0.000	110.000	1/2" Ice	2.147	1.749	0.093
			2.000			1" Ice	2.331	1.918	0.116
			2.000			2" Ice	2.721	2.280	0.170
RADIO 4449 B71	В	From Leg	4.000	0.000	148.000	No Ice	1.970	1.587	0.073
B85A T-MOBILE		3	0.000			1/2" Ice	2.147	1.749	0.093
—			2.000			1" Ice	2.331	1.918	0.116
						2" Ice	2.721	2.280	0.170
RADIO 4449 B71	С	From Leg	4.000	0.000	148.000	No Ice	1.970	1.587	0.073
B85A_T-MOBILE			0.000			1/2" Ice	2.147	1.749	0.093

<i>tnxT</i>	ower

Page 7 of 20

Date

Project

Client

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

Crown Castle

Designed by Damodar

Description	Face or Leg	Offset Type	Offsets: Horz Lateral	Azimuth Adjustment	Placement		$C_A A_A$ Front	$C_A A_A$ Side	Weight
			Vert ft ft ft	o	ft		ft <sup>2</sup>	ft <sup>2</sup>	K
			2.000			1" Ice	2.331	1.918	0.116
						2" Ice	2.721	2.280	0.170
8' x 2" Mount Pipe	А	From Leg	4.000	0.000	148.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			2" Ice	3.401 4 306	3.401	0.065
8' x 2" Mount Pine	в	From Leg	4 000	0.000	148 000	No Ice	1 900	4.390	0.029
0 x 2 mount ripe	В	Tiom Leg	0.000	0.000	110.000	1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
8' x 2" Mount Pipe	С	From Leg	4.000	0.000	148.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
Distform Mount [I.D.	C	None		0.000	148.000	2" Ice	4.396	4.396	0.119
203 1 KCKP HP 11	C	None		0.000	148.000	1/2" Ice	26.510	28.510	1.770
505-1_KCKK-IIK-1]						172 ICC	43 110	43 110	2.297
*						2" Ice	58.210	58.210	4.603
* (2) 7770 00 w/ Mount Pine	٨	From Lag	4 000	0.000	140.000	No Ice	5 746	1 254	0.055
(2) ///0.00 w/ Would Tipe	А	110III Leg	0.000	0.000	140.000	1/2" Ice	6.179	5.014	0.103
			0.000			1" Ice	6.607	5.711	0.157
						2" Ice	7.488	7.155	0.287
(2) 7770.00 w/ Mount Pipe	В	From Leg	4.000	0.000	140.000	No Ice	5.746	4.254	0.055
			0.000			1/2" Ice	6.179	5.014	0.103
			0.000			1" Ice	6.607	5.711	0.157
	~		4 0 0 0	0.000	1 40 000	2" Ice	7.488	7.155	0.287
(2) $7770.00$ w/ Mount Pipe	С	From Leg	4.000	0.000	140.000	No Ice	5.746	4.254	0.055
			0.000			1/2" Ice	6.1/9 6.607	5.014	0.103
			0.000			2" Ice	7 488	7 155	0.137
HPA-65R-BUU-H6 w/	А	From Leg	4.000	0.000	140.000	No Ice	9.220	6.250	0.074
Mount Pipe			0.000			1/2" Ice	9.980	6.960	0.143
			0.000			1" Ice	10.760	7.700	0.224
						2" Ice	12.360	9.220	0.420
HPA-65R-BUU-H6 w/	В	From Leg	4.000	0.000	140.000	No Ice	9.220	6.250	0.074
Mount Pipe			0.000			1/2" Ice	9.980	6.960	0.143
			0.000			1" Ice	10.760	7.700	0.224
	C	From Log	4 000	0.000	140.000	2º Ice	0.220	9.220	0.420
Mount Pine	C	FIOIDLeg	4.000	0.000	140.000	1/2" Ice	9.220	6 960	0.143
inounit i ipe			0.000			1" Ice	10.760	7.700	0.224
						2" Ice	12.360	9.220	0.420
(2) LGP21401	А	From Leg	4.000	0.000	140.000	No Ice	1.104	0.207	0.014
			0.000			1/2" Ice	1.239	0.274	0.021
			0.000			1" Ice	1.381	0.348	0.030
			4 0 0 0	0.000	1 40 000	2" Ice	1.688	0.521	0.055
(2) LGP21401	В	From Leg	4.000	0.000	140.000	No Ice	1.104	0.207	0.014
			0.000			1/2" Ice	1.239	0.274	0.021
			0.000			2" Ice	1.501	0.540	0.050
(2) LGP21401	С	From Leg	4,000	0.000	140.000	No Ice	1.104	0.207	0.014
()	-	8	0.000			1/2" Ice	1.239	0.274	0.021
			0.000			1" Ice	1.381	0.348	0.030
						2" Ice	1.688	0.521	0.055
RRUS 11	А	From Leg	1.000	0.000	140.000	No Ice	2.784	1.187	0.048
			0.000			1/2" Ice	2.992	1.334	0.068

<i>tnxTower</i>
-----------------

Page 8 of 20

Date

Project

Client

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

Crown Castle

Designed by Damodar

Description	Face or Leg	Offset Type	Offsets: Horz Lateral	Azimuth Adjustment	Placement		$C_A A_A$ Front	$C_A A_A$ Side	Weight
			Vert ft ft ft	o	ft		ft <sup>2</sup>	ft <sup>2</sup>	K
			0.000			1" Ice	3.207	1.490	0.092
						2" Ice	3.658	1.833	0.150
RRUS 11	В	From Leg	1.000	0.000	140.000	No Ice	2.784	1.187	0.048
			0.000			1/2" Ice	2.992	1.334	0.068
			0.000			1" Ice	3.207	1.490	0.092
	6		1 000	0.000	1 40 000	2" Ice	3.658	1.833	0.150
RRUS II	C	From Leg	1.000	0.000	140.000	No Ice	2.784	1.18/	0.048
			0.000			1/2" Ice	2.992	1.334	0.068
			0.000			1 ICe 2" Ice	3.207	1.490	0.092
RRUS 32 B2	А	From Leg	4 000	0.000	140 000	No Ice	2 731	1.655	0.053
KK05 52 52	11	Tiom Leg	0.000	0.000	140.000	1/2" Ice	2.953	1.855	0.074
			0.000			1" Ice	3.182	2.049	0.098
						2" Ice	3.663	2.458	0.157
RRUS 32 B2	В	From Leg	4.000	0.000	140.000	No Ice	2.731	1.668	0.053
		-	0.000			1/2" Ice	2.953	1.855	0.074
			0.000			1" Ice	3.182	2.049	0.098
						2" Ice	3.663	2.458	0.157
RRUS 32 B2	С	From Leg	4.000	0.000	140.000	No Ice	2.731	1.668	0.053
			0.000			1/2" Ice	2.953	1.855	0.074
			0.000			1" Ice	3.182	2.049	0.098
DC( 49 (0.19 9E		Enom Loo	4 000	0.000	140.000	2" Ice	3.663	2.458	0.157
DC6-48-60-18-8F	А	From Leg	4.000	0.000	140.000	No Ice 1/2" Ico	1.212	1.212	0.033
			0.000			1/2 ICC	2 105	2 105	0.033
			0.000			2" Ice	2.105	2.105	0.138
(2) 2' x 2" Pipe Mount	А	From Leg	0.500	0.000	140.000	No Ice	0.023	0.023	0.007
(2) 2 11 2 11 per li come		Trom Deg	0.000	0.000	1.0.000	1/2" Ice	0.049	0.049	0.008
			1.000			1" Ice	0.085	0.085	0.009
						2" Ice	0.186	0.186	0.013
(2) 2' x 2" Pipe Mount	В	From Leg	0.500	0.000	140.000	No Ice	0.023	0.023	0.007
			0.000			1/2" Ice	0.049	0.049	0.008
			1.000			1" Ice	0.085	0.085	0.009
	~					2" Ice	0.186	0.186	0.013
(2) 2' x 2" Pipe Mount	С	From Leg	0.500	0.000	140.000	No Ice	0.023	0.023	0.007
			0.000			1/2" Ice	0.049	0.049	0.008
			1.000			1" Ice 2" Ice	0.085	0.085	0.009
6' x 2" Horizontal Mount Pine	٨	From Lag	0.500	0.000	140.000	Z ICe	1 140	0.180	0.013
6 x 2 Horizontal Would Tipe	A	FIOIDLeg	0.000	0.000	140.000	1/2" Ice	1.140	0.010	0.010
			1.000			1" Ice	2.140	0.090	0.025
			11000			2" Ice	2.900	0.210	0.077
6' x 2" Horizontal Mount Pipe	В	From Leg	0.500	0.000	140.000	No Ice	1.140	0.010	0.016
1		U	0.000			1/2" Ice	1.760	0.040	0.025
			1.000			1" Ice	2.140	0.090	0.038
						2" Ice	2.900	0.210	0.077
6' x 2" Horizontal Mount Pipe	С	From Leg	0.500	0.000	140.000	No Ice	1.140	0.010	0.016
			0.000			1/2" Ice	1.760	0.040	0.025
			1.000			1" Ice	2.140	0.090	0.038
	~	N		0.000	140.000	2" Ice	2.900	0.210	0.077
Side Arm Mount [SO 102-3]	C	None		0.000	140.000	No Ice	3.600	3.600	0.075
						1/2" Ice	4.180	4.180	0.105
						1 Ice 2" Ice	4.730	4./30	0.135
Platform Mount II P	C	None		0.000	140 000	No Ice	21 410	21 410	1 605
304-1 HR-11	v	TORE		0.000	110.000	1/2" Ice	26.620	26.620	2.056
·····]						1" Ice	31.660	31.660	2.598

# tnxTower

Job 87323.004.01 - Ridge Road, Madison, CT (BU# 5800059) Page 9 of 20

Date

Project

Client

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

Crown Castle

Designed by Damodar

Description	Face or Leg	Offset Type	Offsets: Horz Lateral	Azimuth Adjustment	Placement		$C_A A_A$ Front	C <sub>A</sub> A <sub>A</sub> Side	Weight
			Vert ft ft ft	o	ft		$ft^2$	ft <sup>2</sup>	K
*			5			2" Ice	41.380	41.380	3.958
(2) DB846F65ZAXY w/ Mount Pipe	А	From Leg	$4.000 \\ 0.000 \\ 0.000$	0.000	130.000	No Ice 1/2" Ice 1" Ice	6.100 6.800 7.510	6.810 7.520 8.240	0.058 0.119 0.191
(2) DB846F65ZAXY w/ Mount Pipe	В	From Leg	4.000	0.000	130.000	2" Ice No Ice 1/2" Ice	8.980 6.100 6.800	9.730 6.810 7.520	0.369 0.058 0.119
(2) DB846F657 AXV w/	C	From Leg	0.000	0.000	130,000	1" Ice 2" Ice No Ice	7.510 8.980 6.100	8.240 9.730 6.810	0.191 0.369 0.058
Mount Pipe	C	Piolii Leg	0.000 0.000	0.000	130.000	1/2" Ice 1" Ice 2" Ice	6.800 7.510 8.980	7.520 8.240 9.730	0.119 0.191 0.369
(2) SBNHH-1D65B w/ Mount Pipe	А	From Leg	$4.000 \\ 0.000 \\ 0.000$	0.000	130.000	No Ice 1/2" Ice 1" Ice	4.090 4.490 4.890	3.300 3.680 4.070	0.066 0.130 0.204
(2) SBNHH-1D65B w/ Mount Pipe	В	From Leg	$4.000 \\ 0.000 \\ 0.000$	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice	5.720 4.090 4.490 4.890	4.870 3.300 3.680 4.070	0.386 0.066 0.130 0.204
(2) SBNHH-1D65B w/ Mount Pipe	С	From Leg	4.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice	5.720 4.090 4.490	4.870 3.300 3.680	0.386 0.066 0.130
MT6407-77A w/ Mount Pipe	А	From Leg	0.000	0.000	130.000	1" Ice 2" Ice No Ice	4.890 5.720 4.907	4.070 4.870 2.682	0.204 0.386 0.096
MT6407 77A w/ Mount Pine	В	From Lag	0.000	0.000	130.000	1/2" Ice 1" Ice 2" Ice	5.256 5.615 6.362	3.624 4.631 2.682	0.136 0.180 0.288 0.096
wite-of-tra witeount ripe	Б	Profil Leg	0.000	0.000	150.000	1/2" Ice 1" Ice 2" Ice	5.256 5.615 6.362	3.145 3.624 4.631	0.136 0.180 0.288
MT6407-77A w/ Mount Pipe	С	From Leg	$4.000 \\ 0.000 \\ 0.000$	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.907 5.256 5.615 6.362	2.682 3.145 3.624 4.631	0.096 0.136 0.180 0.288
RFV01U-D2A	А	From Leg	$4.000 \\ 0.000 \\ 0.000$	0.000	130.000	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.013 1.145 1.284	0.288 0.070 0.087 0.106
RFV01U-D2A	В	From Leg	$4.000 \\ 0.000 \\ 0.000$	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice	2.601 1.875 2.045 2.223	1.585 1.013 1.145 1.284	0.153 0.070 0.087 0.106
RFV01U-D2A	С	From Leg	$4.000 \\ 0.000 \\ 0.000$	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice	2.601 1.875 2.045 2.223	1.585 1.013 1.145 1.284	0.153 0.070 0.087 0.106
RFV01U-D1A	А	From Leg	$4.000 \\ 0.000 \\ 0.000$	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice	2.601 1.875 2.045 2.223	1.585 1.250 1.393 1.543	0.153 0.084 0.103 0.124
RFV01U-D1A	В	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice	2.601 1.875 2.045 2.223	1.865 1.250 1.393 1.543	0.175 0.084 0.103 0.124

tnxT	ower

Page 10 of 20

Date

Project

Client

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

Crown Castle

Designed by Damodar

Description	Face or	Offset Type	Offsets: Horz	Azimuth Adjustment	Placement		$C_A A_A$ Front	C <sub>A</sub> A <sub>A</sub> Side	Weight
	Leg		Lateral Vert ft ft ft	o	ft		ft <sup>2</sup>	ft²	Κ
RFV01U-D1A	С	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	2.601 1.875 2.045 2.223 2.601	1.865 1.250 1.393 1.543	0.175 0.084 0.103 0.124 0.175
RVZDC-6627-PF-48	А	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	2.601 3.792 4.044 4.303 4.844	2.514 2.727 2.947 3.417	0.175 0.032 0.063 0.099
Platform Mount [LP 304-1]	С	None		0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	17.490 21.370 25.280 33.170	17.490 21.370 25.280 33.170	1.349 1.709 2.131 3.164
Mount Reinforcement	С	None		0.000	130.000	No Ice 1/2" Ice 1" Ice	28.630 37.310 45.800	28.630 37.310 45.800	0.280 0.670 0.940
BSAMNT-SBS-1-2	С	None		0.000	130.000	2 Ice No Ice 1/2" Ice 1" Ice 2" Ice	3.600 4.180 4.750 5.900	3.600 4.180 4.750 5.900	0.075 0.105 0.135 0.195
* 800 10251 w/ Mount Pipe	В	From Leg	3.000 0.000 0.000	0.000	124.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.356 4.702 5.056 5.792	2.256 2.773 3.306 4.424	0.041 0.075 0.114 0.209
4' x 2" Pipe Mount	В	From Leg	2.000 0.000 0.000	0.000	124.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.785 1.028 1.281 1.814	0.785 1.028 1.281 1.814	0.029 0.035 0.044 0.072
Side Arm Mount [SO 102-3]	С	None		0.000	124.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.600 4.180 4.750 5.900	3.600 4.180 4.750 5.900	0.075 0.105 0.135 0.195
Side Arm Mount [SO 701-1]	В	From Leg	1.500 0.000 0.000	0.000	124.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.850 1.140 1.430 2.010	1.670 2.340 3.010 4.350	0.065 0.079 0.093 0.121
(3) 800 10252	В	From Leg	3.000 0.000 0.000	0.000	113.000	No Ice 1/2" Ice 1" Ice 2" Ice	6.305 6.633 6.969 7.662	2.681 2.935 3.196 3.739	0.027 0.067 0.113 0.218
(3) 6' x 2" Mount Pipe	В	From Leg	3.000 0.000 0.000	0.000	113.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
T-Arm Mount [TA 601-1]	В	From Leg	2.000 0.000 0.000	0.000	113.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.970 9.600 11.010 13.750	2.500 3.200 4.020 5.990	0.242 0.314 0.403 0.641
* CSA40-67-DIN	А	From Leg	4.000 0.000 0.000	0.000	113.000	No Ice 1/2" Ice 1" Ice	2.194 2.951 3.663	21.725 22.351 22.984	0.075 0.170 0.274
10' x 2" Mount Pipe	А	From Leg	4.000	0.000	113.000	No Ice	2.375	2.375	0.037

Page 11 of 20

Date

Project

Client

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

Crown Castle

Designed by Damodar

$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Description	Face or Leg	Offset Type	Offsets: Horz Lateral	Azimuth Adjustment	Placement		$C_A A_A$ Front	$C_A A_A$ Side	Weight
0.000         1/2" Ice         3.403         0.054           SC323         C         From Leg         3.000         0.000         1" Ice         4.448         4.448         0.079           SC323         C         From Leg         3.000         0.000         113.000         No Ice         1.185         0.1185         0.0185         0.1185         0.0185         0.0185         0.0188         0.018         0.000         112" Ice         1.867         0.015         0.000         12" Ice         2.890         2.390         0.029         0.029         0.029         0.029         0.029         0.000         113.000         No Ice         1.887         0.1188         0.0118         0.001         1.1807         1.867         0.007         0.000         112" Ice         1.486         0.027         1.187         0.148         0.015         112" Ice         1.481         0.018         0.027         1.1837         1.1837         0.183         0.015         112" Ice         1.483         0.018         0.027         1.187         0.183         0.018         0.027         1.1817         0.183         0.183         0.183         0.183         0.183         0.183         0.183         0.183         0.183         0.1813				Vert ft ft ft	o	ft		ft <sup>2</sup>	ft <sup>2</sup>	K
SC323         C         From Leg         3.000 0.000         113.000 112 loc         No les         1.185         1.185         0.106 0.000           5' x 2" Pipe Mount         C         From Leg         3.000 0.000         0.000         113.000         No les         2.300         2.300         0.007           5' x 2" Pipe Mount         C         From Leg         3.000         0.000         113.000         No les         1.888         1.1188         0.018           5' x 2" Pipe Mount         C         From Leg         3.000         0.000         113.000         No les         2.300         0.307           5' k 2" Pipe Mount         C         From Leg         0.000         113.000         No les         3.003         3.002         0.007           5' k 2" Pipe Mount [SO 701-3]         C         None         0.000         113.000         No les         3.003         3.303         0.333           5' k 2" Mount [SO 102-3]         C         None         0.000         113.000         No les         3.000         0.000           12" les         4.300         0.000         2" les         5.000         0.018           Pipe         0.000         0.000         10" les         8.500         8.500				0.000			1/2" Ice	3.403	3.403 4 448	0.054
SC323         C         From Leg         3.000         0.000         113.000         Na bec         1.185         1.185         0.005           3.000         0.000         113.000         Na bec         1.867         0.0015           5' x 2" Pipe Mount         C         From Leg         3.000         0.000         113.000         No lee         1.88         1.188         0.007           5' x 2" Pipe Mount         C         From Leg         3.000         0.000         113.000         No lee         1.496         0.007           0.000         0.000         113.000         No lee         1.487         0.440         0.027           Side Arm Mount [SO 701-3]         C         None         0.000         113.000         No lee         3.000         0.033           side Arm Mount [SO 102-3]         C         None         0.000         113.000         No lee         8.000         3.600         0.0185           *         0.000         113.000         No lee         8.010         4.230         0.1085           *         0.000         99.000         No lee         8.010         4.230         0.1085           *         112" lee         9.400         0.000         99.000 </td <td></td> <td></td> <td></td> <td>0.000</td> <td></td> <td></td> <td>2" Ice</td> <td>5 911</td> <td>5 911</td> <td>0.148</td>				0.000			2" Ice	5 911	5 911	0.148
House       C       From Leg       0.000       Flower       1/2" fee       1.867       1.867       0.00         3.000       1/2" fee       1.867       1.867       1.867       0.00         5" x 2" Pipe Mount       C       From Leg       3.000       0.000       113.000       No fee       1.188       0.018         1/2" fee       1.867       1.86	SC323	C	From Leg	3 000	0.000	113 000	No Ice	1 185	1 185	0.006
3.000	50525	e	110III Leg	0.000	0.000	115.000	1/2" Ice	1.867	1.867	0.015
S'x 2" Pipe Mount         C         From Leg         3.000 0.000         0.000 0.000         113.000 113.000         No lee 113.000         1.188 113.000         1.188 1496         1.496 0.040         0.004 0.000           Side Arm Mount [SO 701-3]         C         None         0.000         113.000         Nice         3.020         0.195 112" lee         1.807         1.0400         0.302         0.0195 112" lee         3.030         0.0195 112" lee         3.030         0.0195 112" lee         3.030         0.0279 2" lee         7.530         7.530         0.300         0.000         113.000         Nice         3.000         0.0075 112" lee         4.180         4.180         0.015 112" lee         4.180         1.05 112" lee         4.180         0.105 112" lee         4.180         0.105 112" lee         4.180         0.105 112" lee         5.900         0.106 112" lee         5.900         0.106 12" lee         5.160 12" lee         0.000 12" lee         <				3.000			1" Ice	2.390	2.390	0.029
S'x 2" Pipe Mount         C         From Leg         3.000         0.000         113.000         No lee         1.188         1.188         0.018           Side Arm Mount [SO 701-3]         C         None         0.000         113.000         No lee         1.807         0.000           Side Arm Mount [SO 701-3]         C         None         0.000         113.000         No lee         3.020         3.020         0.027           Side Arm Mount [SO 102-3]         C         None         0.000         113.000         No lee         3.600         3.600         0.075           MX08FR0665-21 w/ Mount         A         From Leg         4.000         0.000         99.000         No lee         8.010         4.230         0.108           Pipe         0.000         0.000         99.000         No lee         8.010         4.230         0.108           Pipe         0.000         0.000         99.000         No lee         8.010         4.230         0.108           Pipe         0.000         0.000         99.000         No lee         8.010         4.230         0.108           Pipe         0.000         0.000         90.000         No lee         8.010         4.230         0.108							2" Ice	3.218	3.218	0.070
None         1/2" loc         1/496         1/496         0.002           Side Arm Mount [SO 701-3]         C         None         0.000         113.000         No loc         3.020         0.0195           Side Arm Mount [SO 701-3]         C         None         0.000         113.000         No loc         3.020         0.0195           Side Arm Mount [SO 102-3]         C         None         0.000         113.000         No loc         3.600         3.600         0.035           Side Arm Mount [SO 102-3]         C         None         0.000         913.000         No loc         3.600         3.600         0.005           T'' loc         4.750         4.750         4.750         0.135         0.105         1''' loc         9.400         1''' loc         9.400         0.000         1''' loc         8.400         0.105           MX08FRO665-21 w/ Mount Pipe         B         From Leg         4.000         0.000         90.000         No loc         8.010         4.230         0.108           Pipe         0.000         0.000         90.000         No loc         8.101         0.102         0.222           MX08FRO665-21 w/ Mount Pipe         B         From Leg         4.000         0.000	5' x 2" Pipe Mount	С	From Leg	3.000	0.000	113.000	No Ice	1.188	1.188	0.018
Side Arm Mount [SO 701-3]         C         None         0.000         113.000         No lee         2.458         0.006           Side Arm Mount [SO 102-3]         C         None         0.000         113.000         No lee         3.020         3.020         0.0303           Side Arm Mount [SO 102-3]         C         None         0.000         113.000         No lee         3.600         3.600         0.0333           Side Arm Mount [SO 102-3]         C         None         0.000         113.000         No lee         4.600         0.005         1.72" lee         4.600         3.600         0.005           *         -         -         -         -         4.750         4.750         0.135           *         -         -         -         -         -         -         -         -         0.005           *         -         -         -         -         -         -         -         -         0.000         -	Ĩ		e	0.000			1/2" Ice	1.496	1.496	0.027
Side Arm Mount [SO 701-3]         C         None         0.000         113.000         No lee         3.248         0.076           Side Arm Mount [SO 102-3]         C         None         0.000         113.000         No lee         3.600         3.600         3.633           Side Arm Mount [SO 102-3]         C         None         0.000         113.000         No lee         3.600         3.600         0.005           MX08FRO665-21 w/ Mount Pipe         A         From Leg         4.000         0.000         99.000         No lee         8.010         4.230         0.108           MX08FRO665-21 w/ Mount Pipe         A         From Leg         4.000         0.000         99.000         No lee         8.010         4.230         0.108           MX08FRO665-21 w/ Mount Pipe         B         From Leg         4.000         0.000         99.000         No lee         8.010         4.230         0.108           MX08FRO665-21 w/ Mount Pipe         C         From Leg         4.000         0.000         99.000         No lee         8.010         4.230         0.108           MX08FRO665-21 w/ Mount Pipe         C         From Leg         4.000         0.000         99.000         No lee         8.010         4.230				0.000			1" Ice	1.807	1.807	0.040
Side Arm Mount [SO 701-3]       C       None       0.000       113.000       No lec       3.020       3.020       0.027         Side Arm Mount [SO 102-3]       C       None       0.000       113.000       No lec       3.600       3.600       0.033         Side Arm Mount [SO 102-3]       C       None       0.000       113.000       No lec       3.600       3.600       0.005         *       *       0.000       113.000       No lec       8.600       3.600       0.005         *       *       *       *       *       0.000       112 lec       4.180       0.105         *       *       *       *       *       *       *       *       0.000       12 lec       8.101       4.230       0.108         Pipe       0.000       0.000       99.000       No lec       8.010       4.230       0.108         Pipe       0.000       0.000       99.000       No lec       8.010       4.230       0.108         Pipe       0.000       0.000       99.000       No lec       8.010       4.230       0.108         Pipe       0.000       0.000       99.000       No lec       8.010       4.230							2" Ice	2.458	2.458	0.076
Side Arm Mount [SO 102-3]       C       None       0.000       113.00       No lee       3.60       3.60       3.60       3.63         Side Arm Mount [SO 102-3]       C       None       0.000       113.00       No lee       3.60       3.60       3.60       0.005         *        1.2° lee       4.180       4.180       0.105       1.1° lee       4.750       0.135         *        *        *	Side Arm Mount [SO 701-3]	С	None		0.000	113.000	No Ice	3.020	3.020	0.195
Side Arm Mount [SO 102-3]       C       None       0.000       113.000       No lec       3.600       0.363       0.075         Side Arm Mount [SO 102-3]       C       None       0.000       113.000       No lec       3.600       0.363       0.135         *       0.000       90.000       No lec       4.000       0.000       90.00       No lec       8.010       4.230       0.108         Pipe       0.000       0.000       90.000       No lec       8.010       4.230       0.108         Pipe       0.000       0.000       99.000       No lec       8.010       4.230       0.108         Pipe       0.000       0.000       99.000       No lec       8.010       4.230       0.108         Pipe       0.000       0.000       99.000       No lec       8.010       4.230       0.108         Pipe       0.000       0.000       99.000       No lec       8.010       4.230       0.108         Pipe       0.000       0.000       99.000       No lec       8.010       4.230       0.108         Pipe       0.000       0.000       99.000       No lec       1.044       0.931       0.252 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>1/2" Ice</td><td>4.180</td><td>4.180</td><td>0.237</td></t<>							1/2" Ice	4.180	4.180	0.237
Side Arm Mount [S0 102-3]         C         None         0.000         113.000         No Ice         3.600         3.600         0.075           1/2" Ice         4.180         0.015         1/2" Ice         4.180         0.015           *          1" Ice         4.750         4.180         0.105           *          0.000         90.00         No Ice         8.010         4.230         0.108           Pipe         0.000         0.000         99.000         No Ice         8.010         4.230         0.108           MX08FR0665-21 w/ Mount         B         From Leg         4.000         0.000         99.000         No Ice         8.010         4.230         0.108           Pipe         0.000         0.000         99.000         No Ice         8.010         4.230         0.108           Pipe         0.000         0.000         99.000         No Ice         8.010         4.230         0.108           Pipe         0.000         0.000         99.000         No Ice         8.010         4.230         0.108           Pipe         0.000         0.000         99.000         No Ice         8.010         4.230         0.108							1" Ice	5.330	5.330	0.279
Side Arm Mount [SO 102-3]       C       None       0.000       113.000       No lce       3.600       3.600       0.075         *         113.000       No lce       3.600       1.180       4.180							2" Ice	7.630	7.630	0.363
*         I	Side Arm Mount [SO 102-3]	С	None		0.000	113.000	No Ice	3.600	3.600	0.075
*         1 <sup>1</sup> / <sub>1</sub> lee         4.750         5.900         0.135           MX08FR0665.21 w/ Mount Pipe         A         From Leg         4.000         0.000         99.000         No lee         8.010         4.230         0.108           MX08FR0665.21 w/ Mount Pipe         B         From Leg         4.000         0.000         99.000         No lee         8.010         4.230         0.108           MX08FR0665.21 w/ Mount Pipe         B         From Leg         4.000         0.000         99.000         No lee         8.010         4.230         0.108           MX08FR0665.21 w/ Mount Pipe         B         From Leg         4.000         0.000         99.000         No lee         8.101         4.230         0.108           MX08FR0665.21 w/ Mount Pipe         C         From Leg         4.000         0.000         99.000         No lee         8.010         4.230         0.108           MX08FR0665.21 w/ Mount Pipe         C         From Leg         4.000         0.000         99.000         No lee         8.010         4.230         0.108           MX08FR0665.21 w/ Mount Pipe         C         From Leg         4.000         0.000         99.000         No lee         1010         6.120         0.522							1/2" Ice	4.180	4.180	0.105
*         2" lec         5.900         5.900         0.095           MX08FRO665.21 w/ Mount Pipe         A         From Leg         4.000         0.000         99.000         No lec         8.101         4.230         0.198           MX08FRO665.21 w/ Mount Pipe         B         From Leg         4.000         0.000         99.000         No lec         8.101         4.230         0.108           MX08FRO665.21 w/ Mount Pipe         B         From Leg         4.000         0.000         99.000         No lec         8.010         4.230         0.108           MX08FRO665.21 w/ Mount Pipe         C         From Leg         4.000         0.000         99.000         No lec         8.101         4.230         0.108           MX08FRO665.21 w/ Mount Pipe         C         From Leg         4.000         0.000         99.000         No lec         8.101         4.230         0.108           MX08FRO665.21 w/ Mount         C         From Leg         4.000         0.000         99.000         No lec         8.101         4.230         0.108           MX08FRO665.21 w/ Mount         C         From Leg         4.000         0.000         99.000         No lec         1.944         0.981         0.064         0.292							1" Ice	4.750	4.750	0.135
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	*						2" Ice	5.900	5.900	0.195
MX08FR0605-21 w/ Mount       A       From Leg       4.000       0.000       File       8.010       4.230       0.108         Pipe       0.000       1" Ice       8.010       4.230       0.108         MX08FR0665-21 w/ Mount       B       From Leg       4.000       0.000       99.000       No Ice       8.010       4.230       0.108         Pipe       0.000       12" Ice       8.520       4.660       0.194         0.000       12" Ice       8.520       4.660       0.194         0.000       11" Ice       9.040       5.160       0.292         WX08FR0665-21 w/ Mount       C       From Leg       4.000       0.000       99.000       No Ice       8.010       4.230       0.108         MX08FR0665-21 w/ Mount       C       From Leg       4.000       0.000       2" Ice       8.520       4.669       0.194         0.000       11" Ice       9.040       5.160       0.292       2" Ice       1.011       6.120       0.522         TA08025-B604       A       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         0.000       12" Ice       2.138       1.112	MYOREDO((5.21/ Marant		<b>F</b>	4 000	0.000	00.000	N - I	0.010	4 2 2 0	0.100
Fripe         0.000         I/2 Ice         8.20         4.000         0.194           MX08FRO665-21 w/ Mount         B         From Leg         4.000         0.000         99.000         No Ice         8.010         4.230         0.108           Pipe         0.000         0.000         99.000         No Ice         8.010         4.230         0.108           MX08FRO665-21 w/ Mount         C         From Leg         4.000         0.000         99.000         No Ice         8.010         4.230         0.108           Pipe         0.000         0.000         99.000         No Ice         8.010         4.230         0.108           Pipe         0.000         0.000         99.000         No Ice         8.010         4.230         0.108           0.000         12" Ice         8.101         6.120         0.522         2" Ice         10.110         6.120         0.522           TA08025-B604         A         From Leg         4.000         0.000         99.000         No Ice         1.964         0.981         0.064           0.000         1" Ice         2.320         1.250         0.100         2" Ice         2.138         1.112         0.81           TA080	MA08FRO005-21 W/ Mount	А	From Leg	4.000	0.000	99.000	NO ICE	8.010	4.230	0.108
MX08FRO665-21 w/ Mount Pipe         B         From Leg 0.000         4.000 0.000         0.000 0.000         99.000 1" lce         No lce 8.010         4.230 4.230         0.108 0.194 0.194           MX08FRO665-21 w/ Mount Pipe         C         From Leg 0.000         4.000 0.000         0.000         99.000         No lce 8.520         4.690         0.194 0.522           MX08FRO665-21 w/ Mount Pipe         C         From Leg 0.000         4.000         0.000         99.000         No lce 8.520         4.690         0.194 0.522           MX08FRO665-21 w/ Mount Pipe         C         From Leg 0.000         4.000         0.000         99.000         No lce 1/2" lce 2.71 lce         8.520         4.690         0.194 0.120           MX08FRO665-21 w/ Mount Pipe         A         From Leg 0.000         4.000         0.000         99.000         No lce 1/2" lce 2.320         1.250         0.100           TA08025-B604         A         From Leg 0.000         0.000         99.000         No lce 1.964         0.981         0.064           TA08025-B604         B         From Leg 0.000         0.000         99.000         No lce 1.964         0.981         0.064           TA08025-B605         A         From Leg 0.000         0.000         99.000         No lce 1.964         1.122 <td>Pipe</td> <td></td> <td></td> <td>0.000</td> <td></td> <td></td> <td>1/2" Ice</td> <td>8.520</td> <td>4.690</td> <td>0.194</td>	Pipe			0.000			1/2" Ice	8.520	4.690	0.194
MX08FR0665-21 w/ Mount         B         From Leg         4.000         0.000         99.000         No lee         8.010         4.230         0.108           Pipe         0.000         12" lee         8.510         4.623         0.108           MX08FR0665-21 w/ Mount         C         From Leg         4.000         0.000         99.000         No lee         8.010         4.230         0.108           Pipe         0.000         99.000         No lee         8.010         4.230         0.108           Pipe         0.000         99.000         No lee         8.010         4.230         0.108           Pipe         0.000         12" lee         8.520         4.690         0.194           0.000         12" lee         9.040         5.160         0.222           TA08025-B604         A         From Leg         4.000         0.000         99.000         No lee         1.964         0.981         0.064           0.000         12" lee         2.138         1.112         0.081         0.064           0.000         12" lee         2.320         1.250         0.100           2" lee         2.320         1.250         0.100           0.000				0.000			1 Ice 2" Ice	9.040	5.100	0.292
MX061 RO00-921 W Molnit       D       From Leg       4.000       0.000       99.000       1/0 RC       6.010       4.250       0.103         Pipe       0.000       I" Ice       9.040       5.160       0.292         MX08FR0665-21 w/ Mount       C       From Leg       4.000       0.000       99.000       No Ice       8.010       4.230       0.108         Pipe       0.000       1/2 Ice       8.520       4.690       0.194         0.000       1/2 Ice       2.138       1.112       0.081         0.000       1/2 Ice       2.138       1.112       0.081         0.000       2" Ice       2.705       1.548       0.148         TA08025-B604       B       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         0.200       2" Ice       2.705       1.548       0.148       0.000       1/2" Ice       2.138       1.112       0.081         0.00	MX08FPO665 21 w/ Mount	Р	From Lag	4 000	0.000	00.000	Z ICC	8 010	4 230	0.322
TA08025-B604       A       From Leg       4.000       0.000       99.000       No Ice       8.010       4.230       0.108         TA08025-B604       A       From Leg       4.000       0.000       99.000       No Ice       8.101       4.230       0.108         TA08025-B604       A       From Leg       4.000       0.000       99.000       No Ice       8.101       4.230       0.108         TA08025-B604       A       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         0.000       2" Ice       2.138       1.112       0.081       0.064       0.000       2" Ice       2.138       1.112       0.081         TA08025-B604       B       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         0.000       12" Ice       2.138       1.112       0.081       0.064       0.001       12" Ice       2.320       1.250       0.100         TA08025-B604       C       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         0.000       .0000       .0000       .0000       12"	Pine	Б	From Leg	4.000	0.000	99.000	1/2" Ice	8.520	4.230	0.108
MX08FR0665-21 w/ Mount Pipe         C         From Leg         4.000 0.000         0.000 0.000         99.000 99.000         No Ice 8.520         8.010 4.230         0.108 0.109           Pipe         0.000         1'' Ice 0.000         8.520         4.690         0.194           TA08025-B604         A         From Leg         4.000         0.000         99.000         No Ice         1.110         6.120         0.522           TA08025-B604         A         From Leg         4.000         0.000         99.000         No Ice         1.964         0.981         0.064           0.000	ripe			0.000			1" Ice	9.040	5 160	0.194
MX08FR0665-21 w/ Mount Pipe         C         From Leg 0.000         4.000 0.000         0.000 0.000         99.000         No Ice 1/2" Ice         8.010         4.230 4.690         0.018           Pipe         0.000         0.000         99.000         No Ice         8.010         4.230         0.108           1" Ice         9.040         5.160         0.292         2" Ice         10.110         612.0         0.522           TA08025-B604         A         From Leg         4.000         0.000         99.000         No Ice         1.964         0.981         0.064           0.000         1" Ice         2.320         1.250         0.100         2" Ice         2.705         1.548         0.148           TA08025-B604         B         From Leg         4.000         0.000         99.000         No Ice         1.964         0.981         0.064           0.000         1" Ice         2.320         1.250         0.100         2" Ice         2.705         1.548         0.148           TA08025-B604         C         From Leg         4.000         0.000         99.000         No Ice         1.964         0.981         0.064           1/2" Ice         2.138         1.112         0.081 <td></td> <td></td> <td></td> <td>0.000</td> <td></td> <td></td> <td>2" Ice</td> <td>10 110</td> <td>6 1 2 0</td> <td>0.522</td>				0.000			2" Ice	10 110	6 1 2 0	0.522
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	MX08FRO665-21 w/ Mount	С	From Leg	4,000	0.000	99.000	No Ice	8.010	4.230	0.108
TA08025-B604       A       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         1/2" Ice       2.138       1.112       0.081       0.064       1/2" Ice       2.138       1.112       0.081         0.000       1" Ice       2.320       1.250       0.100       2" Ice       2.138       0.148         TA08025-B604       B       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         1/2" Ice       2.138       1.112       0.081       0.064       0.006       1/2" Ice       2.138       0.148         TA08025-B604       B       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         1/2" Ice       2.138       1.112       0.081       0.064       1/2" Ice       2.138       1.112       0.081         1/2" Ice       2.138       1.112       0.081       0.064       1/2" Ice       2.138       1.142       0.081         0.000       1/2" Ice       2.138       1.112       0.081       0.064       1/2" Ice       2.138       1.120       0.075         0.000       0.0	Pipe	e	Tiom Leg	0.000	0.000	<i>))</i> .000	1/2" Ice	8.520	4.690	0.194
TA08025-B604       A       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         0.000       I'z" Ice       2.138       1.112       0.081         0.000       I'z" Ice       2.138       1.112       0.081         TA08025-B604       B       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         0.000       2" Ice       2.705       1.548       0.148         TA08025-B604       B       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         0.000       1/2" Ice       2.138       1.112       0.081       0.064         0.000       1/2" Ice       2.138       1.112       0.081         0.000       0.000       99.000       No Ice       1.964       0.981       0.064         1" Ice       2.320       1.250       0.100       2" Ice       2.055       1.548       0.148         TA08025-B605       A       From Leg       4.000       0.000       99.000       No Ice       1.964       1.29       0.075         0.000       0.000       99.000	F -			0.000			1" Ice	9.040	5.160	0.292
TA08025-B604       A       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         0.000       11/2" Ice       2.138       1.112       0.081         0.000       1" Ice       2.320       1.250       0.100         2" Ice       2.705       1.548       0.044         TA08025-B604       B       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         0.000       10/2" Ice       2.138       1.112       0.081       0.064         0.000       1/2" Ice       2.138       1.112       0.081       0.064         0.000       1/2" Ice       2.138       1.112       0.081         0.000       11" Ice       2.320       1.250       0.100         2" Ice       2.705       1.548       0.044         0.000       1/2" Ice       2.138       1.112       0.081         0.000       1/2" Ice       2.138       1.112       0.081         0.400       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1/2" Ice       2.138       1.267       0.093							2" Ice	10.110	6.120	0.522
No.000         1/2" Ice         2.138         1.112         0.081           0.000         1" Ice         2.320         1.250         0.100           2" Ice         2.705         1.548         0.148           TA08025-B604         B         From Leg         4.000         0.000         99.000         No Ice         1.964         0.981         0.064           TA08025-B604         C         From Leg         4.000         0.000         1" Ice         2.320         1.250         0.100           TA08025-B604         C         From Leg         4.000         0.000         99.000         No Ice         1.964         0.981         0.064           TA08025-B604         C         From Leg         4.000         0.000         99.000         No Ice         1.964         0.981         0.064           TA08025-B605         A         From Leg         4.000         0.000         99.000         No Ice         1.964         1.129         0.075           TA08025-B605         A         From Leg         4.000         0.000         99.000         No Ice         1.964         1.129         0.075           0.000         1/2" Ice         2.138         1.267         0.093         0.	TA08025-B604	А	From Leg	4.000	0.000	99.000	No Ice	1.964	0.981	0.064
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			e	0.000			1/2" Ice	2.138	1.112	0.081
TA08025-B604         B         From Leg         4.000         0.000         99.000         No Ice         1.964         0.981         0.064           0.000         0.000         1/2" Ice         2.320         1.250         0.100           2" Ice         2.705         1.548         0.148         0.064           0.000         1/2" Ice         2.320         1.250         0.100           2" Ice         2.705         1.548         0.148           TA08025-B604         C         From Leg         4.000         0.000         99.000         No Ice         1.964         0.981         0.064           0.000         1/2" Ice         2.138         1.112         0.081         0.064           0.000         1/2" Ice         2.138         1.212         0.081           0.000         1" Ice         2.320         1.250         0.100           2" Ice         2.705         1.548         0.148           TA08025-B605         A         From Leg         4.000         0.000         99.000         No Ice         1.964         1.129         0.075           0.000         1" Ice         2.320         1.411         0.114         2" Ice         2.705         1				0.000			1" Ice	2.320	1.250	0.100
TA08025-B604       B       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         0.000       1/2" Ice       2.138       1.112       0.081         0.000       2" Ice       2.320       1.250       0.100         2" Ice       2.705       1.548       0.064         0.000       0.000       99.000       No Ice       1.964       0.981       0.064         TA08025-B604       C       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         TA08025-B605       A       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         TA08025-B605       A       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       12" Ice       2.138       1.267       0.093       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164       0.093       0.007       12" Ice       2.138       1.267       0.093         0.000       12" Ice       2.138       1.267       0.093							2" Ice	2.705	1.548	0.148
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	TA08025-B604	В	From Leg	4.000	0.000	99.000	No Ice	1.964	0.981	0.064
TA08025-B604       C       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.061         TA08025-B604       C       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.061         TA08025-B605       A       From Leg       4.000       0.000       99.000       No Ice       1.964       0.129       0.075         TA08025-B605       A       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1/2" Ice       2.138       1.267       0.093       0.0075       1.723       0.164         TA08025-B605       B       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1/2" Ice       2.138       1.267       0.093       0.075       0.006       1/2" Ice       2.138       1.267       0.093         0.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       0.000       99.00				0.000			1/2" Ice	2.138	1.112	0.081
TA08025-B604       C       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         0.000       1/2" Ice       2.138       1.112       0.081         0.000       1" Ice       2.320       1.250       0.100         2" Ice       2.705       1.548       0.148         TA08025-B605       A       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         TA08025-B605       A       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       0.000       1/2" Ice       2.138       1.267       0.093         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       B       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         1/2" Ice       2.138       1.267       0.093       0.000       1/2" Ice       2.138       1.267       0.093         0.000       0.000       99.000       No Ice       1.964       1.129				0.000			1" Ice	2.320	1.250	0.100
TA08025-B604       C       From Leg       4.000       0.000       99.000       No Ice       1.964       0.981       0.064         0.000       1/2" Ice       2.138       1.112       0.081         0.000       1" Ice       2.320       1.250       0.100         2" Ice       2.705       1.548       0.148         TA08025-B605       A       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       0.000       1/2" Ice       2.138       1.267       0.093         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       B       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1" Ice       2.320       1.411       0.114       2" Ice       2.705       1.723       0.164         TA08025-B605       C       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1" Ice       2.320       1.411       0.114       2" Ice		~					2" Ice	2.705	1.548	0.148
0.000       1/2" Ice       2.138       1.112       0.081         0.000       1" Ice       2.320       1.250       0.100         2" Ice       2.705       1.548       0.148         TA08025-B605       A       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1" Ice       2.320       1.411       0.114       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       B       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1" Ice       2.320       1.411       0.114       0.114       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       B       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1" Ice       2.320       1.411       0.114       2" Ice       2.705       1.723       0.164         TA08025-B605       C       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075	TA08025-B604	С	From Leg	4.000	0.000	99.000	No Ice	1.964	0.981	0.064
TA08025-B605       A       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       0.000       0.000       1" Ice       2.138       1.267       0.093         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       B       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1" Ice       2.320       1.411       0.114       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       B       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1/2" Ice       2.138       1.267       0.093         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       C       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1/2" Ice       2.138 <td< td=""><td></td><td></td><td></td><td>0.000</td><td></td><td></td><td>1/2" Ice</td><td>2.138</td><td>1.112</td><td>0.081</td></td<>				0.000			1/2" Ice	2.138	1.112	0.081
TA08025-B605       A       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1/2" Ice       2.138       1.267       0.093         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       B       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         TA08025-B605       B       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1/2" Ice       2.138       1.267       0.093         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       C       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1/2" Ice       2.138       1.267       0.093       0.005       1/2" Ice       2.138       1.267       0.093         0.000       1/2" Ice       2.138       1.267       0.093       0.006				0.000			1" Ice	2.320	1.250	0.100
TA08025-B603       A       From Leg       4.000       0.000       99.000       1/0 Rec       1.304       1.129       0.073         0.000       1/2" Ice       2.138       1.267       0.093         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       B       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       0.000       1/2" Ice       2.138       1.267       0.093         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       C       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       C       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1/2" Ice       2.138       1.267       0.093	TA08025 D605		Enom Lag	4 000	0.000	00.000	2" Ice	2.705	1.548	0.148
TA08025-B605       B       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         TA08025-B605       B       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1" Ice       2.320       1.411       0.114       0.114       0.114       0.093         1/2" Ice       2.705       1.723       0.164       1.129       0.075         0.000       1/2" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       C       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1" Ice       2.320       1.411       0.114       0.114         2" Ice       2.705       1.723       0.164       0.093       0.000       1/2" Ice       2.138       1.267       0.093         0.000       1/2" Ice       2.138       1.267       0.093       0.000       1/2" Ice       2.138       1.267       0.093         0.000       1/2" Ice       2.320       1.411       0.114       2" Ice	TA08023-B003	A	FIOII Leg	4.000	0.000	99.000	1/2" Loo	1.904	1.129	0.073
TA08025-B605       B       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         1/2" Ice       2.138       1.267       0.093         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       C       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1" Ice       2.320       1.411       0.114       0.114         TA08025-B605       C       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1/2" Ice       2.138       1.267       0.093       0.000       1/2" Ice       2.138       1.267       0.093         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         RDIDC-9181-PF-48       A       From Leg       4.000       0.000				0.000			1/2 ICe	2.156	1.207	0.093
TA08025-B605       B       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       0.000       1/2" Ice       2.138       1.267       0.093         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       C       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       C       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1/2" Ice       2.138       1.267       0.093       0.000       1/2" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164       2" Ice       2.705       1.723       0.164         RDIDC-9181-PF-48       A       From Leg       4.000       0.000       99.000       No Ice       2.012       1.168       0.022				0.000			2" Ice	2.320	1.411	0.114
TA08025-B605       C       From Leg       4.000       0.000       1/2" Ice       2.138       1.267       0.093         0.000       1" Ice       2.320       1.411       0.114         TA08025-B605       C       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1/2" Ice       2.138       1.267       0.093         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         RDIDC-9181-PF-48       A       From Leg       4.000       0.000       99.000       No Ice       2.012       1.168       0.022	TA08025-B605	в	From Leg	4 000	0.000	99.000	No Ice	1 964	1.129	0.075
0.000       1" Ice       2.100       1.12.1       0.001         1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         TA08025-B605       C       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       1/2" Ice       2.138       1.267       0.093         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         RDIDC-9181-PF-48       A       From Leg       4.000       0.000       99.000       No Ice       2.012       1.168       0.022	11100022 8002	D	110111 Log	0.000	0.000	<i>))</i> .000	1/2" Ice	2 138	1 267	0.093
TA08025-B605       C       From Leg       4.000       0.000       99.000       No Ice       1.964       1.129       0.075         0.000       0.000       1/2" Ice       2.138       1.267       0.093         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         0.000       1" Ice       2.320       1.411       0.114         2" Ice       2.705       1.723       0.164         RDIDC-9181-PF-48       A       From Leg       4.000       0.000       99.000       No Ice       2.012       1.168       0.022				0.000			1" Ice	2 320	1 411	0.114
TA08025-B605         C         From Leg         4.000         0.000         99.000         No Ice         1.964         1.129         0.075           0.000         0.000         1/2" Ice         2.138         1.267         0.093           0.000         1" Ice         2.320         1.411         0.114           2" Ice         2.705         1.723         0.164           RDIDC-9181-PF-48         A         From Leg         4.000         0.000         99.000         No Ice         2.012         1.168         0.022				0.000			2" Ice	2.705	1.723	0.164
0.000       1/2" Ice       2.138       1.267       0.093         0.000       1" Ice       2.320       1.411       0.114         RDIDC-9181-PF-48       A       From Leg       4.000       0.000       99.000       No Ice       2.012       1.168       0.022	TA08025-B605	С	From Leg	4,000	0.000	99,000	No Ice	1.964	1.129	0.075
0.000         1" Ice         2.320         1.411         0.114           2" Ice         2.705         1.723         0.164           RDIDC-9181-PF-48         A         From Leg         4.000         0.000         99.000         No Ice         2.012         1.168         0.022		-	8	0.000			1/2" Ice	2.138	1.267	0.093
2" Ice         2.705         1.723         0.164           RDIDC-9181-PF-48         A         From Leg         4.000         0.000         99.000         No Ice         2.012         1.168         0.022				0.000			1" Ice	2.320	1.411	0.114
RDIDC-9181-PF-48 A From Leg 4.000 0.000 99.000 No Ice 2.012 1.168 0.022							2" Ice	2.705	1.723	0.164
	RDIDC-9181-PF-48	А	From Leg	4.000	0.000	99.000	No Ice	2.012	1.168	0.022

Page 12 of 20

Date

Project

Client

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

Crown Castle

Designed by Damodar

14:25:58 08/09/21

Description	Face or	Offset Type	Offsets: Horz	Azimuth Adjustment	Placement		$C_A A_A$ Front	$C_A A_A$ Side	Weight
	Leg		Lateral Vert	<u>_</u>	2		a 2	a 2	
			ft ft	Ū	ft		ft²	$ft^2$	K
			ft						
			0.000			1/2" Ice	2.189	1.311	0.040
			0.000			1" Ice	2.373	1.461	0.060
						2" Ice	2.763	1.784	0.110
(2) 8' x 2" Mount Pipe	А	From Leg	4.000	0.000	99.000	No Ice	1.900	1.900	0.029
		-	0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
(2) 8' x 2" Mount Pipe	в	From Leg	4.000	0.000	99.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
(2) 8' x 2" Mount Pipe	С	From Leg	4.000	0.000	99.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			0.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
Commscope MC-PK8-DSH	С	None		0.000	99.000	No Ice	34.240	34.240	1.749
-						1/2" Ice	62.950	62.950	2.099
						1" Ice	91.660	91.660	2.450
						2" Ice	149.080	149.080	3.151
*									

**Dishes** Description Dish Offset Offsets: 3 dB Outside Weight Face Azimuth Elevation Aperture orTypeType Horz Adjustment Beam Diameter Area LegLateral Width Vert 0 0  $ft^2$ K ft ft ft Paraboloid HP2-4.7NS В From 2.000 -11.000 124.000 2.042 No Ice 3.274 0.027 w/Shroud (HP) 0.000 3.547 0.045 1/2" Ice Leg 1" Ice 0.000 3.819 0.063 2" Ice 0.100 4.365 \*

### Load Combinations

Description

Comb.	
No.	
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice



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

Job		Page
87323.004.01 - Ridge I	Road, Madison, CT (BU# 5800059)	13 of 20
Project		Date
		14:25:58 08/09/21
Client		Designed by
Crown Castle		Damodar

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

# Maximum Member Forces

Section	Elevation	Component	Condition	Gov.	Axial	Major Axis	Minor Axis
No.	ft	Type		Load		Moment	Moment
				Comb.	K	kip-ft	kip-ft
L1	150 - 110	Pole	Max Tension	14	0.000	0.000	-0.000
			Max. Compression	26	-35.710	-1.666	2.398
			Max. Mx	8	-16.639	-419.565	0.066
			Max. My	2	-16.664	0.392	419.604
			Max. Vy	20	-18.367	418.573	1.612
			Max. Vx	14	18.292	-1.598	-418.074
			Max. Torque	11			4.224
L2	110 - 94.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-43.191	-5.896	2.401
			Max. Mx	8	-21.112	-752.093	-5.372
			Max. My	2	-21.184	4.614	733.707
			Max. Vy	20	-22.491	748.704	6.487
			Max. Vx	14	21.200	-8.450	-732.682

B+T Group

1717 S. Boulder, Suite 300 Tulsa, OK 74119

Phone: (918) 587-4630

FAX: (918) 295-0265

 Job
 Page

 87323.004.01 - Ridge Road, Madison, CT (BU# 5800059)
 14 of 20

 Project
 Date

 14:25:58 08/09/21

 Client
 Designed by

 Crown Castle
 Damodar

Section Elevation Component Condition Gov. Major Axis Minor Axis Axial No. ft Type Load Moment Moment Κ Comb. kip-ft kip-ft Max. Torque 10 6.603 94.25 - 46.25 0.000 0.000 L3 Pole 0.000 Max Tension 1 Max. Compression 26 -67.293 -5.976 2.933 -2025.167 Max. Mx 8 -38.452 -22.429 Max. My 2 -38.494 23.637 1950.052 -29.799 Max. Vy 20 2023.581 24.499 Max. Vx 14 28.536 -26.771 -1948.780 6.800 Max. Torque 10 L4 46.25 - 0 Pole Max Tension 0.000 0.000 0.000 1 -96.127 -5.976 2.933 Max. Compression 26 Max. Mx 20 -62.042 3746.847 44.809 Max. My -62.043 45.437 3606.194 2 Max. Vy 20 -34.553 3746.847 44.809 Max. Vx 33.316 -47.629 -3605.006 14 Max. Torque 10 6.794

### **Maximum Reactions**

Location	Condition	Gov.	Vertical	Horizontal, X	Horizontal, Z
		Load	Κ	Κ	Κ
		Comb.			
Pole	Max. Vert	30	96.127	-8.716	-0.057
	Max. H <sub>x</sub>	21	46.542	34.528	0.374
	Max. H <sub>z</sub>	2	62.056	0.402	33.290
	Max. M <sub>x</sub>	2	3606.194	0.402	33.290
	Max. M <sub>z</sub>	8	3746.317	-34.489	-0.364
	Max. Torsion	10	6.792	-30.047	-16.950
	Min. Vert	17	46.542	16.952	-28.641
	Min. H <sub>x</sub>	9	46.542	-34.489	-0.364
	Min. Hz	14	62.056	-0.384	-33.292
	Min. M <sub>x</sub>	14	-3605.006	-0.384	-33.292
	Min. Mz	20	-3746.847	34.528	0.374
	Min. Torsion	22	-6.759	30.084	16.963

### **Tower Mast Reaction Summary**

Load	Vertical	$Shear_x$	Shear <sub>z</sub>	Overturning	Overturning	Torque
Combination				Moment, $M_x$	Moment, $M_z$	
	Κ	Κ	Κ	kip-ft	kip-ft	kip-ft
Dead Only	51.713	0.000	0.000	-0.558	-1.796	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	62.056	-0.402	-33.290	-3606.194	45.437	2.971
0.9 Dead+1.0 Wind 0 deg - No Ice	46.542	-0.402	-33.290	-3583.028	45.726	2.978
1.2 Dead+1.0 Wind 30 deg - No Ice	62.056	16.960	-28.641	-3100.924	-1841.133	-0.378
0.9 Dead+1.0 Wind 30 deg - No Ice	46.542	16.960	-28.641	-3080.972	-1828.843	-0.369
1.2 Dead+1.0 Wind 60 deg - No Ice	62.056	29.711	-16.304	-1763.109	-3226.508	-3.803
0.9 Dead+1.0 Wind 60 deg - No Ice	46.542	29.711	-16.304	-1751.683	-3205.411	-3.795
1.2 Dead+1.0 Wind 90 deg - No	62.056	34.489	0.364	42.184	-3746.317	-6.113

# tnxTower

Job 87323.004.01 - Ridge Road, Madison, CT (BU# 5800059) Project

Page 15 of 20 Date

P

Client

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

Crown Castle

Designed by Damodar

Load	Vertical	Shear <sub>x</sub>	Shear <sub>z</sub>	Overturning	Overturning	Torque
Combination	K	K	K	Moment, M <sub>x</sub> kip-ft	Moment, Mz kip-ft	kip-ft
Ice 0.9 Dead+1.0 Wind 90 deg - No	46.542	34.489	0.364	42.103	-3721.923	-6.108
Ice 1.2 Dead+1.0 Wind 120 deg -	62.056	30.047	16.950	1837.835	-3265.694	-6.792
No Ice 0.9 Dead+1.0 Wind 120 deg -	46.542	30.047	16.950	1826.305	-3244.365	-6.790
1.2 Dead+1.0 Wind 150 deg -	62.056	17.583	28.991	3140.517	-1914.346	-5.593
0.9 Dead+1.0 Wind 150 deg - No Ice	46.542	17.583	28.991	3120.680	-1901.615	-5.596
1.2 Dead+1.0 Wind 180 deg - No Ice	62.056	0.384	33.292	3605.006	-47.629	-3.025
0.9 Dead+1.0 Wind 180 deg - No Ice	46.542	0.384	33.292	3582.204	-46.771	-3.032
1.2 Dead+1.0 Wind 210 deg - No Ice	62.056	-16.952	28.641	3099.416	1835.601	0.400
0.9 Dead+1.0 Wind 210 deg - No Ice	46.542	-16.952	28.641	3079.829	1824.484	0.391
1.2 Dead+1.0 Wind 240 deg - No Ice	62.056	-29.742	16.293	1760.307	3225.983	3.802
0.9 Dead+1.0 Wind 240 deg - No Ice	46.542	-29.742	16.293	1749.251	3206.027	3.794
1.2 Dead+1.0 Wind 270 deg - No Ice	62.056	-34.528	-0.374	-44.809	3746.847	6.092
0.9 Dead+1.0 Wind 270 deg - No Ice	46.542	-34.528	-0.374	-44.361	3723.584	6.086
1.2 Dead+1.0 Wind 300 deg - No Ice	62.056	-30.084	-16.963	-1840.887	3265.908	6.759
0.9 Dead+1.0 Wind 300 deg - No Ice	46.542	-30.084	-16.963	-1828.988	3245.708	6.758
1.2 Dead+1.0 Wind 330 deg - No Ice	62.056	-17.612	-29.008	-3144.064	1913.534	5.573
No Ice	46.542	-17.612	-29.008	-3123.851	1901.939	5.576
1.2 Dead+1.0 Ice+1.0 Temp 1.2 Dead+1.0 Wind 0 deg+1.0	96.127 96.127	-0.064	-8.536	-2.933	-5.976 1.573	-0.000 0.662
1.2 Dead+1.0 Wind 30 deg+1.0	96.127	4.314	-7.363	-794.893	-470.807	0.017
1.2 Dead+1.0 Wind 60 deg+1.0	96.127	7.524	-4.214	-455.747	-817.104	-0.666
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	96.127	8.716	0.057	3.815	-945.812	-1.154
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	96.127	7.576	4.316	461.894	-823.263	-1.335
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	96.127	4.412	7.417	795.328	-482.471	-1.147
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	96.127	0.061	8.536	915.472	-13.493	-0.674
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	96.127	-4.312	7.362	788.790	458.249	-0.012
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	96.127	-7.530	4.212	449.420	805.500	0.668
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	96.127	-8.723	-0.059	-10.110	934.406	1.151
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	96.127	-7.583	-4.318	-468.269	811.796	1.327
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	96.127	-4.417	-7.420	-801.795	470.810	1.140
Dead+Wind 0 deg - Service	51.713	-0.081	-6.680	-721.273	7.664	0.598

tnx'	Tower

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

Load	Vertical	Shear <sub>x</sub>	$Shear_z$	Overturning	Overturning	Torque
Combination				Moment, $M_x$	Moment, $M_z$	
	K	Κ	K	kip-ft	kip-ft	kip-ft
Dead+Wind 30 deg - Service	51.713	3.403	-5.747	-620.277	-369.433	-0.078
Dead+Wind 60 deg - Service	51.713	5.962	-3.272	-352.871	-646.356	-0.769
Dead+Wind 90 deg - Service	51.713	6.921	0.073	7.986	-750.269	-1.236
Dead+Wind 120 deg - Service	51.713	6.029	3.401	366.922	-654.198	-1.373
Dead+Wind 150 deg - Service	51.713	3.528	5.818	627.311	-384.072	-1.130
Dead+Wind 180 deg - Service	51.713	0.077	6.681	720.152	-10.935	-0.610
Dead+Wind 210 deg - Service	51.713	-3.402	5.747	619.090	365.497	0.084
Dead+Wind 240 deg - Service	51.713	-5.968	3.270	351.424	643.422	0.772
Dead+Wind 270 deg - Service	51.713	-6.929	-0.075	-9.400	747.544	1.233
Dead+Wind 300 deg - Service	51.713	-6.037	-3.404	-368.421	651.407	1.365
Dead+Wind 330 deg - Service	51.713	-3.534	-5.821	-628.907	381.075	1.123

### **Solution Summary**

	Sur	m of Applied Force	S		Sum of Reaction	ıs	
Load	PX	PY	PZ	PX	PY	PZ	% Error
Comb.	K	K	K	K	K	K	
1	0.000	-51.713	0.000	0.000	51.713	0.000	0.000%
2	-0.402	-62.056	-33.290	0.402	62.056	33.290	0.000%
3	-0.402	-46.542	-33.290	0.402	46.542	33.290	0.000%
4	16.960	-62.056	-28.641	-16.960	62.056	28.641	0.000%
5	16.960	-46.542	-28.641	-16.960	46.542	28.641	0.000%
6	29.711	-62.056	-16.304	-29.711	62.056	16.304	0.000%
7	29.711	-46.542	-16.304	-29.711	46.542	16.304	0.000%
8	34.489	-62.056	0.364	-34.489	62.056	-0.364	0.000%
9	34.489	-46.542	0.364	-34.489	46.542	-0.364	0.000%
10	30.047	-62.056	16.950	-30.047	62.056	-16.950	0.000%
11	30.047	-46.542	16.950	-30.047	46.542	-16.950	0.000%
12	17.583	-62.056	28.991	-17.583	62.056	-28.991	0.000%
13	17.583	-46.542	28.991	-17.583	46.542	-28.991	0.000%
14	0.384	-62.056	33.292	-0.384	62.056	-33.292	0.000%
15	0.384	-46.542	33.292	-0.384	46.542	-33.292	0.000%
16	-16.952	-62.056	28.641	16.952	62.056	-28.641	0.000%
17	-16.952	-46.542	28.641	16.952	46.542	-28.641	0.000%
18	-29.742	-62.056	16.293	29.742	62.056	-16.293	0.000%
19	-29.742	-46.542	16.293	29.742	46.542	-16.293	0.000%
20	-34.528	-62.056	-0.374	34.528	62.056	0.374	0.000%
21	-34.528	-46.542	-0.374	34.528	46.542	0.374	0.000%
22	-30.084	-62.056	-16.963	30.084	62.056	16.963	0.000%
23	-30.084	-46.542	-16.963	30.084	46.542	16.963	0.000%
24	-17.612	-62.056	-29.008	17.612	62.056	29.008	0.000%
25	-17.612	-46.542	-29.008	17.612	46.542	29.008	0.000%
26	0.000	-96.127	0.000	-0.000	96.127	0.000	0.000%
27	-0.064	-96.127	-8.536	0.064	96.127	8.536	0.000%
28	4.314	-96.127	-7.363	-4.314	96.127	7.363	0.000%
29	7.524	-96.127	-4.214	-7.524	96.127	4.214	0.000%
30	8.716	-96.127	0.057	-8.716	96.127	-0.057	0.000%
31	7.576	-96.127	4.316	-7.576	96.127	-4.316	0.000%
32	4.412	-96.127	7.417	-4.412	96.127	-7.417	0.000%
33	0.061	-96.127	8.536	-0.061	96.127	-8.536	0.000%
34	-4.312	-96.127	7.362	4.312	96.127	-7.362	0.000%
35	-7.530	-96.127	4.212	7.530	96.127	-4.212	0.000%
36	-8.723	-96.127	-0.059	8.723	96.127	0.059	0.000%
37	-7.583	-96.127	-4.318	7.583	96.127	4.318	0.000%
38	-4.417	-96.127	-7.420	4.417	96.127	7.420	0.000%
39	-0.081	-51.713	-6.680	0.081	51.713	6.680	0.000%
40	3.403	-51.713	-5.747	-3.403	51.713	5.747	0.000%
41	5.962	-51.713	-3.272	-5.962	51.713	3.272	0.000%

<i>tnxTower</i>	Job 87323.004.01 - Ridge Road, Madison, CT (BU# 5800059)	Page 17 of 20
<b>B+T Group</b> 1717 S. Boulder, Suite 300	Project	Date 14:25:58 08/09/21
Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Client Crown Castle	Designed by Damodar

	Sui	n of Applied Forces	·		Sum of Reaction	s	
Load	PX	PY	PZ	PX	PY	PZ	% Error
Comb.	Κ	K	Κ	K	Κ	Κ	
42	6.921	-51.713	0.073	-6.921	51.713	-0.073	0.000%
43	6.029	-51.713	3.401	-6.029	51.713	-3.401	0.000%
44	3.528	-51.713	5.818	-3.528	51.713	-5.818	0.000%
45	0.077	-51.713	6.681	-0.077	51.713	-6.681	0.000%
46	-3.402	-51.713	5.747	3.402	51.713	-5.747	0.000%
47	-5.968	-51.713	3.270	5.968	51.713	-3.270	0.000%
48	-6.929	-51.713	-0.075	6.929	51.713	0.075	0.000%
49	-6.037	-51.713	-3.404	6.037	51.713	3.404	0.000%
50	-3.534	-51.713	-5.821	3.534	51.713	5.821	0.000%

		Non-Li	inear Conve	rgence Results
	<b>G</b> 10		21.1	
Load	Converged?	Number	Displacement	Force
Combination	**	of Cycles	Tolerance	Tolerance
1	Yes	4	0.00000001	0.0000001
2	Yes	4	0.00000001	0.0004/645
3	Yes	4	0.00000001	0.00031499
4	Yes	5	0.00000001	0.00011933
5	Yes	5	0.00000001	0.00005710
6	Yes	5	0.00000001	0.00013511
7	Yes	5	0.00000001	0.00006486
8	Yes	5	0.00000001	0.00003501
9	Yes	4	0.00000001	0.000/2522
10	Yes	5	0.0000001	0.00011226
11	Yes	5	0.00000001	0.00005315
12	Yes	5	0.0000001	0.00014679
13	Yes	5	0.0000001	0.0000/061
14	Yes	4	0.0000001	0.000/0099
15	Yes	4	0.0000001	0.00046424
16	Yes	5	0.0000001	0.00012074
17	Yes	5	0.00000001	0.00005793
18	Yes	5	0.0000001	0.00010943
19	Yes	5	0.00000001	0.00005210
20	Yes	5	0.00000001	0.00004168
21	Yes	4	0.00000001	0.00086179
22	Yes	5	0.00000001	0.00015420
23	Yes	2	0.0000001	0.0000/415
24	Yes	5	0.00000001	0.00011529
25	Yes	2	0.0000001	0.00005482
26	Yes	4	0.0000001	0.00002380
27	Yes	5	0.00000001	0.00009912
28	Yes	5	0.00000001	0.00010831
29	Yes	2	0.0000001	0.00010973
30	Yes	5	0.00000001	0.00010206
31	Yes	5	0.00000001	0.00010969
32	Yes	5	0.00000001	0.00010913
33	Yes	5	0.00000001	0.00009765
34	Yes	5	0.00000001	0.00010456
35	Yes	5	0.00000001	0.00010534
36	Yes	5	0.00000001	0.00009946
37	Yes	5	0.00000001	0.00010926
38	Yes	5	0.00000001	0.00010771
39	Yes	4	0.00000001	0.00003093
40	Yes	4	0.00000001	0.00004947
41	Yes	4	0.00000001	0.00006790
42	Yes	4	0.00000001	0.00005456

tnx	Tower	Job 87323.00	Job 87323.004.01 - Ridge Road, Madison, CT (BU# 5800059)					
<b>B</b> 1717 S.	+ <b>T Group</b> Boulder, Suite 300	Project			Date 14:25:58 08/09/21			
Tul Phone FAX:	sa, OK 74119 : (918) 587-4630 (918) 295-0265	Client	Crov	wn Castle	Designed by Damodar			
43	Yes	4	0.00000001	0.00006310				
44	Yes	4	0.00000001	0.00007907				
45	Yes	4	0.00000001	0.00003259				
46	Yes	4	0.00000001	0.00005014				
47	Yes	4	0.00000001	0.00004876				
48	Yes	4	0.00000001	0.00005563				
49	Yes	4	0.00000001	0.00008829				
50	Yes	4	0.00000001	0.00005769				

### **Maximum Tower Deflections - Service Wind**

Section	Elevation	Horz.	Gov.	Tilt	Twist
No.		Deflection	Load		
	ft	in	Comb.	0	0
L1	150 - 110	9.544	42	0.550	0.004
L2	115.25 - 94.25	5.717	42	0.475	0.003
L3	99.75 - 46.25	4.259	42	0.413	0.002
L4	53.5 - 0	1.196	42	0.205	0.001

### **Critical Deflections and Radius of Curvature - Service Wind**

Elevation	Appurtenance	Gov.	Deflection	Tilt	Twist	Radius of
	••	Load				Curvature
ft		Comb.	in	0	0	ft
152.000	Lightning Rod 5/8" x 4'	42	9.544	0.550	0.004	99351
148.000	DS4C06F36D-D	42	9.314	0.547	0.004	99351
140.000	(2) 7770.00 w/ Mount Pipe	42	8.398	0.534	0.004	49676
130.000	(2) DB846F65ZAXY w/ Mount Pipe	42	7.277	0.515	0.003	24838
124.000	HP2-4.7NS	42	6.625	0.501	0.003	19106
113.000	(3) 800 10252	42	5.493	0.467	0.003	14456
99.000	MX08FRO665-21 w/ Mount Pipe	42	4.193	0.409	0.002	14391

## **Maximum Tower Deflections - Design Wind**

Section	Elevation	Horz.	Gov.	Tilt	Twist
No.		Deflection	Load		
	ft	in	Comb.	0	0
L1	150 - 110	47.604	8	2.742	0.019
L2	115.25 - 94.25	28.530	10	2.369	0.014
L3	99.75 - 46.25	21.263	22	2.059	0.010
L4	53.5 - 0	5.977	22	1.027	0.003

	Critical Deflect	tions and	Radius o	of Curva	<u>ture - Des</u>	sign Wind
Elevation	Appurtenance	Gov.	Deflection	Tilt	Twist	Radius of
		Load	5			Curvature
ft		Comb.	in	0	0	ft

tnxTower	Job 87323.004.01 - Ridge Road, Madison, CT (BU# 5800059)	Page 19 of 20
<b>B+T Group</b> 1717 S. Boulder, Suite 300	Project	Date 14:25:58 08/09/21
Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Client Crown Castle	Designed by Damodar

Elevation	Appurtenance	Gov.	Deflection	Tilt	Twist	Radius of
		Load				Curvature
ft		Comb.	in	0	0	ft
152.000	Lightning Rod 5/8" x 4'	8	47.604	2.742	0.020	20140
148.000	DS4C06F36D-D	8	46.458	2.727	0.020	20140
140.000	(2) 7770.00 w/ Mount Pipe	8	41.894	2.663	0.019	10069
130.000	(2) DB846F65ZAXY w/ Mount Pipe	10	36.305	2.569	0.017	5034
124.000	HP2-4.7NS	10	33.058	2.499	0.016	3871
113.000	(3) 800 10252	10	27.414	2.330	0.014	2919
99.000	MX08FRO665-21 w/ Mount Pipe	22	20.936	2.043	0.010	2906

# **Compression Checks**

# Pole Design Data

Section No.	Elevation	Size	L	$L_u$	Kl/r	Α	P <sub>u</sub>	$\phi P_n$	Ratio P <sub>u</sub>
	ft		ft	ft		$in^2$	Κ	Κ	$\phi P_n$
L1	150 - 110 (1)	TP39.633x28.4x0.25	40.000	0.000	0.0	30.080	-16.649	1759.710	0.009
L2	110 - 94.25 (2)	TP43.556x37.659x0.281	21.000	0.000	0.0	37.252	-21.112	2179.240	0.010
L3	94.25 - 46.25 (3)	TP56.472x41.449x0.375	53.500	0.000	0.0	64.346	-38.452	3764.260	0.010
L4	46.25 - 0 (4)	TP68.71x53.686x0.438	53.500	0.000	0.0	94.805	-62.042	5546.090	0.011

## Pole Bending Design Data

Section	Elevation	Size	$M_{ux}$	$\phi M_{nx}$	Ratio	$M_{uy}$	$\phi M_{ny}$	Ratio
No.					$M_{ux}$			$M_{uy}$
	ft		kip-ft	kip-ft	$\phi M_{nx}$	kip-ft	kip-ft	$\phi M_{ny}$
L1	150 - 110 (1)	TP39.633x28.4x0.25	420.009	1496.850	0.281	0.000	1496.850	0.000
L2	110 - 94.25 (2)	TP43.556x37.659x0.281	752.190	2059.733	0.365	0.000	2059.733	0.000
L3	94.25 - 46.25 (3)	TP56.472x41.449x0.375	2025.650	4664.408	0.434	0.000	4664.408	0.000
L4	46.25 - 0 (4)	TP68.71x53.686x0.438	3749.000	8388.250	0.447	0.000	8388.250	0.000

# Pole Shear Design Data

Section	Elevation	Size	Actual	$\phi V_n$	Ratio	Actual	$\phi T_n$	Ratio
No.			$V_u$		$V_u$	$T_u$		$T_u$
	ft		K	K	$\phi V_n$	kip-ft	kip-ft	$\phi T_n$
L1	150 - 110 (1)	TP39.633x28.4x0.25	18.377	527.913	0.035	1.567	1752.592	0.001
L2	110 - 94.25 (2)	TP43.556x37.659x0.281	22.456	653.773	0.034	6.602	2389.225	0.003
L3	94.25 - 46.25 (3)	TP56.472x41.449x0.375	29.770	1129.280	0.026	6.795	5346.458	0.001
L4	46.25 - 0 (4)	TP68.71x53.686x0.438	34.562	1663.830	0.021	6.759	9947.917	0.001



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

Crown Castle

### **Pole Interaction Design Data**

Section No.	Elevation	Ratio $P_u$	Ratio M <sub>ux</sub>	Ratio M <sub>uy</sub>	Ratio $V_u$	Ratio $T_u$	Comb. Stress	Allow. Stress	Criteria
	ft	$\phi P_n$	$\phi M_{nx}$	$\phi M_{nv}$	$\phi V_n$	$\phi T_n$	Ratio	Ratio	
L1	150 - 110 (1)	0.009	0.281	0.000	0.035	0.001	0.291	1.050	4.8.2 🖌
L2	110 - 94.25 (2)	0.010	0.365	0.000	0.034	0.003	0.376	1.050	4.8.2 🖌
L3	94.25 - 46.25 (3)	0.010	0.434	0.000	0.026	0.001	0.445	1.050	4.8.2 🖌
L4	46.25 - 0 (4)	0.011	0.447	0.000	0.021	0.001	0.459	1.050	4.8.2 🗸

### **Section Capacity Table**

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	$\phi P_{allow} \ K$	% Capacity	Pass Fail
L1	150 - 110	Pole	TP39.633x28.4x0.25	1	-16.649	1847.695	27.7	Pass
L2	110 - 94.25	Pole	TP43.556x37.659x0.281	2	-21.112	2288.202	35.8	Pass
L3	94.25 - 46.25	Pole	TP56.472x41.449x0.375	3	-38.452	3952.473	42.4	Pass
L4	46.25 - 0	Pole	TP68.71x53.686x0.438	4	-62.042	5823.394	43.7	Pass
							Summary	
						Pole (L4)	43.7	Pass
						RATING =	43.7	Pass

Program Version 8.1.1.0

APPENDIX B

BASE LEVEL DRAWING



# BUSINESS UNIT: 5800059

APPENDIX C

ADDITIONAL CALCULATIONS

# **Monopole Base Plate Connection**



Site Info		
	BU #	5800059
	Site Name	idge Road, Madison, C
	Order #	582739 Rev. 0

Analysis Considerations				
TIA-222 Revision	Н			
Grout Considered:	No			
l <sub>ar</sub> (in)	2.25			

Applied Loads	
Moment (kip-ft)	3749.00
Axial Force (kips)	62.04
Shear Force (kips)	34.56

\*TIA-222-H Section 15.5 Applied



Connection Properties
-----------------------

#### Anchor Rod Data

(24) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 76" BC Anchor Spacing: 6 in

#### **Base Plate Data**

77" W x 3" Plate (A572-50; Fy=50 ksi, Fu=65 ksi); Clip: 12 in

#### **Stiffener Data**

N/A

#### Pole Data

68.71" x 0.4375" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

### Analysis Results

Anchor Rod Summary	(u	nits of kips, kip-in)
Pu_t = 96.04	φPn_t = 243.75	Stress Rating
Vu = 1.44	φVn = 149.1	37.5%
Mu = n/a	φMn = n/a	Pass
Base Plate Summary		
Max Stress (ksi):	14.98	(Flexural)
Allowable Stress (ksi):	45	
Stress Rating:	31.7%	Pass

CCIplate - Version 4.1.2

Analysis Date: 09-08-2021

# **Drilled Pier Foundation**

BU # :	5800059
Site Name:	Ridge Road, Madison, CT
Order Number:	582739 Rev. 0
TIA-222 Revison:	Н
Tower Type:	Monopole

Applied Loads					
	Comp.	Uplift			
Moment (kip-ft)	3749				
Axial Force (kips)	62.06				
Shear Force (kips)	34.54				

Material Properties				
	Concrete Strength, f'c:	4	ksi	
	Rebar Strength, Fy:	60	ksi	
	Tie Yield Strength, Fyt:	40	ksi	

	Pier De	<u>Rebar &amp; Pier Opti</u>		
	Depth	39	ft	•
	Ext. Above Grade	0.5	ft	Embedded Pole In
	Pier	Section 1		Belled Pier Inpu
	From 0.5' above g	_		
	Pier Diameter	8	ft	
-	Rebar Quantity	28		
	Rebar Size	11		
	Clear Cover to Ties	3	in	
	Tie Size	5		
_	Tie Spacing	12	in	

	Analysis Results						
	Soil Lateral Check	Compression	Uplift				
	D <sub>v=0</sub> (ft from TOC)	9.99	-				
	Soil Safety Factor	6.36	-				
	Max Moment (kip-ft)	4009.43	-				
	Rating*	19.9%	-				
	Soil Vertical Check	Compression	Uplift				
	Skin Friction (kips)	688.42	-				
	End Bearing (kips)	317.36	-				
	Weight of Concrete (kips)	236.89	-				
	Total Capacity (kips)	1005.77	-				
	Axial (kips)	298.95	-				
<u>ions</u>	Rating*	28.3%	-				
	Reinforced Concrete Flexure	Compression	Uplift				
<u>iputs</u>	Critical Depth (ft from TOC)	9.58	-				
<u>uts</u>	Critical Moment (kip-ft)	4008.76	-				
	Critical Moment Capacity	8317.36	-				
	Rating*	45.9%	-				
	Reinforced Concrete Shear	Compression	Uplift				
	Critical Depth (ft from TOC)	28.46	-				
	Critical Shear (kip)	290.04	-				
	Critical Shear Capacity	783.63	-				
	Rating*	35.2%	-				

$\cap$	CROWN
U.	CASTLE

~~	
Check Limitation	
Apply TIA-222-H Section 15.5:	✓
N/A	
Additional Longitudinal Reb	bar
Input Effective Depths (else Actual):	
Shear Design Options	
Check Shear along Depth of Pier:	$\checkmark$
Utilize Shear-Friction Methodology:	
Override Critical Depth:	
Go to Soil Ca	Iculations

Structural Foundation Rating*	45.9%
Soil Interaction Rating*	28.3%
*Rating per TIA-222-H Sectio	n 15.5

	Soil Profile	
Groundwater Depth 7	# of Layers 5	

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ <sub>soil</sub> (pcf)	γ <sub>concrete</sub> (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Net Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	4	4	100	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	4	7	3	100	150	0.1	22	0.181	0.181					Silty
3	7	12	5	37.6	87.6	0.1	22	0.257	0.257					Silty
4	12	20	8	42.6	87.6	0.4	27	1.016	1.016				70	Cohesionless
5	20	39	19	62.6	87.6	0.2	31	1.398	1.398			6	85	Cohesionless



Location

# ASCE 7 Hazards Report

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

Elevation: 132.55 ft (NAVD 88) Latitude: 41.30925 Longitude: -72.614325





Site Soil Class: Results:	D - Stiff Soil			
Ss :	0.172	S <sub>DS</sub> :	0.184	
S <sub>1</sub> :	0.06	<b>S</b> <sub>D1</sub> :	0.096	
F <sub>a</sub> :	1.6	T <sub>L</sub> :	6	
F <sub>v</sub> :	2.4	PGA :	0.088	
S <sub>MS</sub> :	0.276	PGA M:	0.14	
S <sub>M1</sub> :	0.144	F <sub>PGA</sub> :	1.6	
		l <sub>e</sub> :	1	

#### Seismic Design Category B



Data Accessed: Date Source:

#### Fri Aug 06 2021

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



### Ice

#### Results:

Ice Thickness:	0.75 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Fri Aug 06 2021

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

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

The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided "as is" and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE 7 standard.

In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE 7 Hazard Tool.

# 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 #: 10111993 Maser Consulting Connecticut Project #: 21781064A

October 28, 2021

Site Information

Site ID: Site Name: Carrier Name: Address: 468184-VZW / MADISON 3 CT MADISON 3 CT Verizon Wireless 252 Ridge Rd Madison, Connecticut 06433 New Haven County 41.309250° -72.614325°

*Latitude: Longitude:* 

Structure Information

*Tower Type: Mount Type:*  150-Ft Monopole 14.00-Ft Platform

#### FUZE ID # 16486462

#### Analysis Results

Platform: 69.5% Pass

\*\*\*Contractor PMI Requirements:

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

Report Prepared By: Nathan LaPorte



Digitally signed by Justin Linette Date: 2021.10.29 07:48:13-04'00'

#### Executive Summary:

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

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

#### Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS Site ID: 650040, dated July 16, 2021
Mount Mapping Report	Hudson Design Group, LLC Site ID: 468184, dated June 15, 2020
Previous Mount Analysis	Maser Consulting Connecticut Project #: 21781064A, dated October 15, 2021
Mount Modification Drawings	Maser Consulting Connecticut Project #: 21781064A, dated October 28, 2021

#### Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), VULT: Ice Wind Speed (3-sec. Gust): Design Ice Thickness: Risk Category: Exposure Category: Topographic Category: Topographic Feature Considered: Topographic Method: Ground Elevation Factor, Ke:	123 mph 50 mph 1.00 in II B 1 N/A N/A 0.995
Seismic Parameters:	Ss: S <sub>1</sub> :	0.206 g 0.054 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): Maintenance Live Load, Lv: Maintenance Live Load, Lm:	30 mph 250 lbs. 500 lbs.
Analysis Software:	RISA-3D (V17)	

#### Final Loading Configuration:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
		6	Andrew	DB846F65ZAXY	Potainad
		6	Andrew	SBNHH-1D65B	Retained
120.00	120.00	3	Samsung	MT6407-77A	
129.00	150.00	3	Samsung	RF4439d-25A	Addod
		3	Samsung	RF4440d-13A	Audeu
		1	Raycap	RVZDC-6627-PF-48	

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

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

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

#### **Standard Conditions:**

- 1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.
- 2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

- 3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped 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.

69.5%

- 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:

0	Channel, Solid Round, Angle, Plate	ASTM A36 (Gr. 36)
0	HSS (Rectangular)	ASTM 500 (Gr. B-46)
0	Pipe	ASTM A53 (Gr. B-35)
0	Threaded Rod	F1554 (Gr. 36)
0	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		
Support Rail Corner	27.5%	Pass		
Mount Pipe	38.5%	Pass		
Face Horizontal	20.5%	Pass		
Corner Plate	10.3%	Pass		
Cross Arm Plate	43.1%	Pass		
Grating Support	15.9%	Pass		
Platform Crossmember	26.0%	Pass		
Standoff Horizontal	42.7%	Pass		
Mount Connection	69.5 %	Pass		

Structure Rating – (Controlling Utilization of all Components)

#### **Recommendation:**

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

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

#### Attachments:

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





							V4.0	Updated on 3-31	1-2021		
		Austa	nne Meunt Menning				DINC		FCC #		
MASER	Antenna mount mapping Form (PATENT PENDING)										
	Tower Owner:	CROWN C	ASTLE			Mapping	Date:	6/15/	2021		
	Site Name:	MADISON	3 CT			Tower Ty	pe:	Monopole			
	Site Number or ID:	468184					ight (Ft.):	150			
	Mapping Contractor:	HUDSON DESIGN GROUP, LLC.				Mount Ele	evation (Ft.):	120	8.2		
nis antenna mapping form is the property o	of TES and under PATENT PENDING. The formation	n contained h	nerein is considered confidential in na	ture and is to	o be used only	/ for the spe	ecific customer it was intended for. Reproduction,	transmission,	publication,		
odification or disclosure by any method is	prohibited except by express written permission of	of TES. All me	ans and methods are the responsibil	ity of the con	tractor and th	e work shal	II be compliant with ANSI/ASSE A 10.48, OSHA, FC	C, FAA and oth	er safety		
quirements that may apply. TES is not war	rantying the usability of the safety climb as it mus	t be assessed	f prior to each use in compliance with	oSHA requi	rements.						
				Mount Pip	e Configurat	ion and G	eometries [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"	Horizonta Offset "C1 C2, C3, etc		
		A1	2" STD. PIPE X 72" LONG	44.00	15.00	C1	2" STD. PIPE X 72" LONG	44.00	15.00		

2" STD. PIPE X 72" LONG

2" STD, PIPE X 72" LONG

2" STD. PIPE X 72" LONG

2" STD. PIPE X 72" LONG

MONOPOLE WALL THICKNESS: .265"

A2

A3 A4

A5

A6

B1

B2

B3

B4

B5 B6 44.00

44.00

44.00

44.00

44.00

44.00

44.00

81.00

129.00

153.00

15.00

81.00

129.00

153.00

C2

C3

C4

C5

C6

D1

D2

D3

D4 D5

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.) :

Please enter additional infomation or comments below.

Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :

2" STD. PIPE X 72" LONG

2" STD. PIPE X 72" LONG

2" STD. PIPE X 72" LONG

"Sketches" tab with dimensions and members here.

Please insert the sketches of the antenna mount from the





				I						
Tower Fac	e Width at Mount Elev. (	ft.):	Also concluted	Tower Leg	Size or Pole	Shaft Diar	meter at Mount Elev. (	in.):		34
FOR T-Arms	s/Platforms on monopol	es, report	the weld si	ze from the	main stand	ion to the	plate politing into the c	ollar mount		0.44
	Enter antonn	a madal	If not label	lad ontar"	Unknown		Mountin	g Location	5	Photos of
	Enter antenn	a mouer.	II HOL IADE	[Units are incl	hes and de	grees]	antennas			
				1	1					
sma	A				Coax	Antenna	Vertical	Offset "h"	Antenna	
<u>4</u>	Antenna Wodels If	(im)	Depth (im)	Height	Size and	Center-	Distances"b <sub>1a</sub> , b <sub>2a</sub> ,	(Use "-" if	Azimuth	Photo
Ants	Known	(In.)	(in.)	(in.)	Qty	line (Ft.)	b3a, b1b" (Inches)	Ant. is	(Degrees)	Numbers
-					Sector A			benind)		
A		-		1	Jector A	\ 			1	1
Ant <sub>1a</sub>										
Ant <sub>1b</sub>	UNKNOWN	10.00	8.00	72.00		128.867	36.00	9.00	15.00	21,124
Ant <sub>1c</sub>										
Ant <sub>2a</sub>										
Ant <sub>2b</sub>	SBNHH-1D65B	12.00	8.00	74.00		127.783	49.00	11.00	15.00	23,127
Ant <sub>2c</sub>										
Ant <sub>3a</sub>	B4 RRH2X60-4R	11.00	6.00	36.00		130.7	14.00	-7.00		147,148
Ant <sub>3b</sub>	SBNHH-1D65B	12.00	8.00	74.00		127.783	49.00	11.00	15.00	24,127
Ant <sub>3c</sub>										
Ant <sub>4a</sub>	B13 RRH4X30	12.00	8.00	21.00		130.075	21.50	-7.00		128,139
Ant <sub>4b</sub>	UNKNOWN	10.00	8.00	72.00		128.867	36.00	9.00	15.00	24,125
Ant <sub>4c</sub>										
Ant <sub>5a</sub>										
Ant <sub>5b</sub>										
Ant <sub>5c</sub>										
Ant on										
Standoff										
Ant on										
Antion										
Tower										
Ant on										
Tower										

Horizontal Offset "C1, C2, C3, etc.'

15.00

81.00

129.00

153.00

7.83

5.66

44.00

44.00

44.00

Mount Azimuth (Degree) Tower Leg Azimuth (Degree)				Sector B											
	for Each Sector for Each Sector		-	Ant <sub>1a</sub>											
Sector A:	15.00	Deg Leg A:		Deg	Ant <sub>1b</sub>	UNKNOWN	10.00	8.00	72.00		128.867	36.00	9.00	120.00	31,124
Sector B:	135.00	Deg Leg B:		Deg	Ant <sub>1c</sub>										
Sector C:	255.00	Deg Leg C:		Deg	Ant <sub>2a</sub>										
Sector D:		Deg Leg D:		Deg	Ant <sub>2b</sub>	SBNHH-1D65B	12.00	8.00	74.00		127.783	49.00	11.00	120.00	33,127
		Climbing Fac	ility Information		Ant <sub>2c</sub>										
Location:	180.00	Deg	N/A		Ant <sub>3a</sub>	B4 RRH2X60-4R	11.00	6.00	36.00		130.7	14.00	-7.00		140,148
	Corrosi	on Type:	Good condition.		Ant <sub>3b</sub>	SBNHH-1D65B	12.00	8.00	74.00	-	127.783	49.00	11.00	120.00	33,127
Climbing	Acc	cess:	Climbing path was unobstru	cted.	Ant <sub>3c</sub>					-					
Facility	Conc	dition:	Missing safety cable.		Ant <sub>4a</sub>	B13 RRH4X30	12.00	8.00	21.00		130.075	21.50	-7.00		128,141
					Ant <sub>4b</sub>	UNKNOWN	10.00	8.00	72.00		128.867	36.00	9.00	120.00	34,125
					Ant <sub>4c</sub>										
					Ant <sub>5a</sub>										
					Ant <sub>5b</sub>										
					Ant <sub>5c</sub>										
					Ant on										
					Standoff										
					Ant on Standoff										
					Ant on										
Plea	ase insert a ph	noto of the mo	ount centerline measuremen	there.	Tower										
					Ant on										
					Tower					Sector					
					Ant					Sector C					
					Ant.		10.00	8 00	72.00		128 867	36.00	9.00	270.00	41 124
					Ant.		10.00	0.00	72.00		120.007	50.00	5.00	270.00	71,127
					Ant.										
					Anta	SBNHH-1D65B	12.00	8 00	74.00		127 783	49.00	11.00	270.00	44 127
					Ant <sub>20</sub>	550000	12.00	0.00	74.00		127.705	45.00	11.00	270.00	44,127
		RAM			Antas	B4 RRH2X60-4R	11.00	6.00	36.00		130.7	14.00	-7.00		145.148
	д д		<u>L</u>		Ant <sub>3b</sub>	SBNHH-1D65B	12.00	8.00	74.00		127.783	49.00	11.00	270.00	43.127
					Ant <sub>3c</sub>										
					Ant <sub>4a</sub>	B13 RRH4X30	12.00	8.00	21.00		130.075	21.50	-7.00		128.145
9	╷┝╼╼╾╽┟	ㅠㅎㅎㅠ나	TIP OF EQUIPMENT		Ant <sub>4b</sub>	UNKNOWN	10.00	8.00	72.00		128.867	36.00	9.00	270.00	43.125
					Ant <sub>4c</sub>										
Γ			DISTANCE PR	IM TOP OF MAIN MBER TO LOWEST TIP	Ant <sub>sa</sub>										
-			OF ANT/EQI	C OF CARRIER ABOVE. ( PT.)	Ant <sub>5b</sub>										
_					Ant <sub>5c</sub>										
Ц Сиртик с. итори	ᡁᡔ᠆ᡁ᠈	TTTT T	DISTANCE FR	M TOP OF MAIN MBER TO HICHEST TIP	Ant on										
EXISTING PLATFORM-	_		(N/A IF > 1 TIP OF FOURPMENT	) FT.)	Standoff										
Γ	Щ П				Ant on Standoff										
					Ant on										
c		- 53			Tower										
		6	ļ		Ant on										
					lower					Sector D					
	ה ר		Ê		Ant <sub>12</sub>					Jector D					
			1		Ant <sub>1b</sub>										
					Ant <sub>1c</sub>										
4	╞━━┛╽				Anta										
					Ant <sub>2b</sub>										
			DISTANCE	ROM TOP OF BOTTOM	Ant <sub>2c</sub>										
			SUPPORT ANT./EQPT	AL TO LOWEST TIP OF OF CARRIER ABOVE. 10 FT.)	Ant <sub>3a</sub>										
				,	Ant <sub>3b</sub>					-					
					Ant <sub>3c</sub>										
EVICTING OFFICE	ᆔ ┉┎_/ ᅜ		DISTANCE	ROM TOP OF BOTTOM ALL TO HIGHEST TIP OF	Ant <sub>4a</sub>										
EXISTING SECTOR FR	SUNT		ANT./EQPT (N/A IF >	OF CARRIER BELOW. 10 FT.)	Ant <sub>4b</sub>										
.a	لے ہے		TP OF EQUIPMENT		Ant <sub>4c</sub>										
					Ant <sub>5a</sub>										
C		7 P	<b>₽</b> ≠		Ant <sub>5b</sub>										
			Ant <sub>5c</sub>												
			Ant on												
	101.1				Standoff										
For T-Arms	/Platforms on	monopoles, re-	cord the weld size from the ma	in standoff	Ant on Standoff										
\\ \\				/	Ant on										
//			\ //		Tower										
~LL			$\prec$		Ant on										



	Observed Safety and Structural Issues During the Mount Mapping							
Issue #	Description of Issue	Photo #						
1	NO CLIMB CABLE PRESENT, REPLACED WITH STEP BOLT ANCHOR BRACKETS	28						
2								
3								
4								
5								
6								
7								
8								

Observed Obstructions to Tower Lighting System									
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:	P	Photo #		Additional Comments:					
Lighting Technology:	P	Photo #							
Elevation (AGL) at base of light (Ft.):	P	Photo #							
Is a service loop available?	P	Photo #							
Is beacon installed on an extension?	P	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.






Maser Consulting		SK - 1
	Mount Eix	Oct 25, 2021 at 7:26 AM
		468184 V/ZW/ MT LO H r2d
21781064A		468184-VZW_MT_LO_H.r3d

Member Code Checks Displayed	(Erveloped)	Code Check (Env) No Calc 3-050 50
Maser Consulting	 Mount Eix	SK - 2
NL 217810644		468184-VZW MT LO H r3d
21781064A		468184-VZW_MT_LO_H.r3d

Member Shear Checks Displayed (Enveloped) Envelope Only Solution
NI Mount Fix Oct 25, 2021 at 7:27 AM

## **Basic Load Cases**

	BLC Description	Category	X GravY Grav	/Z Grav	Joint	Point	Distrib	Area(M.	.Surfac
1	Antenna D	None				111			
2	Antenna Di	None				111			
3	Antenna Wo (0 Deg)	None				111			
4	Antenna Wo (30 Deg)	None				111			
5	Antenna Wo (60 Deg)	None				111			
6	Antenna Wo (90 Deg)	None				111			
7	Antenna Wo (120 Deg)	None				111			
8	Antenna Wo (150 Deg)	None				111			
9	Antenna Wo (180 Deg)	None				111			
10	Antenna Wo (210 Deg)	None				111			
11	Antenna Wo (240 Deg)	None				111			
12	Antenna Wo (270 Deg)	None				111			
13	Antenna Wo (300 Deg)	None				111			
14	Antenna Wo (330 Deg)	None				111			
15	Antenna Wi (0 Deg)	None				111			
16	Antenna Wi (30 Deg)	None				111			
17	Antenna Wi (60 Deg)	None				111			
18	Antenna Wi (90 Deg)	None				111			
19	Antenna Wi (120 Deg)	None				111			
20	Antenna Wi (150 Deg)	None				111			
21	Antenna Wi (180 Deg)	None				111			
22	Antenna Wi (210 Deg)	None				111			
23	Antenna Wi (240 Deg)	None				111			
24	Antenna Wi (270 Deg)	None				111			
25	Antenna Wi (300 Deg)	None				111			
26	<u>Antenna Wi (330 Deg)</u>	None				111			
27	Antenna Wm (0 Deg)	None				111			
28	Antenna Wm (30 Deg)	None				111			
29	Antenna Wm (60 Deg)	None				111			
30	Antenna Wm (90 Deg)	None				111			
31	Antenna Wm (120 Deg)	None		_		111			
32	Antenna Wm (150 Deg)	None				111			
33	Antenna Wm (180 Deg)	None		_		111			
34	Antenna Wm (210 Deg)	None				111			
35	Antenna Wm (240 Deg)	None		_		111			
36	Antenna Wm (270 Deg)	None				111			
37	Antenna Wm (300 Deg)	None				111			
38	Antenna Wm (330 Deg)	None				111			
39	Structure D	None	-1					3	
40	Structure Di	None					58	3	
41	Structure Wo (0 Deg)	None					116		
42	Structure Wo (30 Deg)	None					116		
43	Structure VVo (60 Deg)	None					116		
44	Structure Wo (90 Deg)	None					116		
45	Structure Wo (120 Deg)	None					116		
46	Structure vvo (150 Deg)	None					116		
47		None					116		
48		None					116		
49		INONE					110		
50		None					110		
51		INONE					110		
52	Structure Wo (330 Deg)	None					110		
53 E4		None					110		
54	Structure Wi (SU Deg)	None					110		
55		None					110		
00		None					011		

### Basic Load Cases (Continued)

	BLC Description	Category	X Grav	.Y GravZ Grav	Joint	Point	Distrib Area(MSurfa
57	Structure Wi (120 Deg)	None					116
58	Structure Wi (150 Deg)	None					116
59	Structure Wi (180 Deg)	None					116
60	Structure Wi (210 Deg)	None					116
61	Structure Wi (240 Deg)	None					116
62	Structure Wi (270 Deg)	None					116
63	Structure Wi (300 Deg)	None					116
64	Structure Wi (330 Deg)	None					116
65	Structure Wm (0 Deg)	None					116
66	Structure Wm (30 Deg)	None					116
67	Structure Wm (60 Deg)	None					116
68	Structure Wm (90 Deg)	None					116
69	Structure Wm (120 Deg)	None					116
70	Structure Wm (150 Deg)	None					116
71	Structure Wm (180 Deg)	None					116
72	Structure Wm (210 Deg)	None					116
73	Structure Wm (240 Deg)	None					116
74	Structure Wm (270 Deg)	None					116
75	Structure Wm (300 Deg)	None					116
76	Structure Wm (330 Deg)	None					116
77	Lm1	None				1	
78	Lm2	None				1	
79	Lv1	None				1	
80	Lv2	None				1	
81	Antenna Ev	None				111	
82	Antenna Eh (0 Deg)	None				74	
83	Antenna Eh (90 Deg)	None				74	
84	Structure Ev	ELY					
85	Structure Eh (0 Deg)	ELZ	03				
86	Structure Eh (90 Deg)	ELX		.03			
87	BLC 39 Transient Area Loads	None					30
88	BLC 40 Transient Area Loads	None					30

## Load Combinations

	Description	Solve	P :	S B		Fa	В	Fa	BLC	Fa	В	Fa	В	Fa	В	Fa	В	Fa	В	Fa	В	Fa	В	Fa
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0Wi (0	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0Wi (3	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi (6	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (9	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (1	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi (1	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (1	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (2	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								

### Load Combinations (Continued)

Description	Solve	P	. S	В	. Fa	В	Fa	BLC	Fa	В	Fa	В	Fa	В	Fa	В	Fa	В	Fa	В	Fa	В	Fa
21 1.2D + 1.0Di + 1.0Wi (2	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1			<u> </u>					
22 1.2D + 1.0Di + 1.0Wi (2	Yes	Y		1	12	39	12	2	1	40	1	24	1	62	1								
23 1.2D + 1.0Di + 1.0Wi (3	Yes	Ý		1	12	39	12	2	1	40	1	25	1	63	1								
24 12D + 10Di + 10Wi (3	Ves	V		1	1.2	30	1.2	2	1	40	1	26	1	64	1								
25 12D + 15l m1 + 10W	103 Voc			1	1.2	30	1.2	77	1 5	27	1	65	1	04	-							_	
26 + 12D + 15l m1 + 10W	Voo			1	1.2	20	1.2	77	1.5	21	1	66	1										
20 1.2D + 1.5Lm1 + 1.0W.	·· Tes	I		4	1.2	39	1.2	77	1.5	20	4	67	1										
27 1.2D + 1.5Lilli + 1.0VV.	· Yes	Y		1	1.2	39	1.2	11	1.5	29		67											
28 1.2D + 1.5Lm1 + 1.0VV.	· Yes	Y		1	1.2	39	1.2	11	1.5	30	1	68	1										
<u>29</u> 1.2D + 1.5Lm1 + 1.0VV.	·· Yes	Y		1	1.2	39	1.2	11	1.5	31	1	69	1										
<u>30</u> 1.2D + 1.5Lm1 + 1.0W.	·· Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31 1.2D + 1.5Lm1 + 1.0W.	· Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32 1.2D + 1.5Lm1 + 1.0W.	· Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33 1.2D + 1.5Lm1 + 1.0W.	- Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34 1.2D + 1.5Lm1 + 1.0W.	. Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35 1.2D + 1.5Lm1 + 1.0W.	. Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36 1.2D + 1.5Lm1 + 1.0W.	. Yes	Y		1	12	39	12	77	15	38	1	76	1										
37 1.2D + 1.5Lm2 + 1.0W.	. Yes	Ý		1	12	39	12	78	1.5	27	1	65	1										
38 12D + 15l m2 + 10W	Vec	V		1	1.2	30	1.2	78	1.5	28	1	66	1										
30 12D + 15l m2 + 10W	Vec			1	1.2	30	1.2	78	1.5	20	1	67	1										
$40 \ 12D + 15l m^2 + 10W$	Voo			1	1.2	20	1.2	70	1.5	20	1	60	1										
40 1.2D + 1.5Lm2 + 1.0W.	·· Tes	I		4	1.2	39	1.2	70	1.5	24	4	00	1										
41 1.2D + 1.5L112 + 1.0W.	Yes	Y			1.2	39	1.2	70	1.5	31		09											
42 1.2D + 1.5Lm2 + 1.0VV.	· Yes	Y		1	1.2	39	1.2	78	1.5	32	1	10	1										
43 1.2D + 1.5Lm2 + 1.0VV.	· Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44 1.2D + 1.5Lm2 + 1.0W.	. Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45 1.2D + 1.5Lm2 + 1.0W.	- Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46 1.2D + 1.5Lm2 + 1.0W.	· Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47 1.2D + 1.5Lm2 + 1.0W.	· Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48 1.2D + 1.5Lm2 + 1.0W.	· Yes	Υ		1	1.2	39	1.2	78	1.5	38	1	76	1										
49 1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50 $1.2D + 1.5Lv2$	Yes	Y		1	1.2	39	1.2	80	1.5														
51 14D	Yes	Ý		1	14	39	14	00															
52 1.2D + 1.0Ev + 1.0Eh (	)	V		1	12	30	12	81	1	F	1	82	1	83		FI 7	1	F					
53 1 2D + 1 0Ev + 1 0Eh (	2			1	1.2	30	1.2	<u>81</u>	1	F	1	82	866	83	5	FI Z	866	F	5				
54 12D + 10Ev + 10Eh (				1	1.2	30	1.2	Q1	1	F	1	02	5	03	866		5	F	866				
54 1.2D + 1.0EV + 1.0EH (	)	I		4	1.2	39	1.2	01	1	L	1	02	.o	00	.000		.0	E	.000				
55 1.2D + 1.0EV + 1.0EH (	7 I	Y			1.2	39	1.2	01		E		82	-	83			-	E	000				
56 1.2D + 1.0EV + 1.0EII (		Y			1.2	39	1.2	81	1	E		82	5	83	.000		5	E	.000				
57 1.2D + 1.0EV + 1.0EN (		Y		1	1.2	39	1.2	81	1	E	1	82	866	83	.5		866	E	.5				
58 1.2D + 1.0Ev + 1.0Eh (		Y		1	1.2	39	1.2	81	1	E	1	82	-1	83		ELZ	-1	E					
59 1.2D + 1.0Ev + 1.0Eh (2	2	Y		1	1.2	39	1.2	81	1	E	1	82	866	83	5	ELZ	866	E	5				
60 1.2D + 1.0Ev + 1.0Eh (	2	Y		1	1.2	39	1.2	81	1	E	1	82	5	83	866	ELZ	5	E	866				
61 1.2D + 1.0Ev + 1.0Eh (2	2	Υ		1	1.2	39	1.2	81	1	E	1	82		83	-1	ELZ		E	-1				
62 1.2D + 1.0Ev + 1.0Eh (	3	Υ		1	1.2	39	1.2	81	1	E	1	82	.5	83	866	ELZ	.5	E	866				
63 1.2D + 1.0Ev + 1.0Eh (	3	Υ		1	1.2	39	1.2	81	1	E	1	82	.866	83	5	ELZ	.866	E	5				
64 0.9D - 1.0Ev + 1.0Eh (0		Y		1	.9	39	.9	81	-1	E	-1	82	1	83	-	ELZ	1	E	-				
65 0.9D - 1.0Ev + 1.0Eh (3		Ý		1	9	39	9	81	-1	E	-1	82	.866	83	5	ELZ	.866	E	5				
66 0.9D - 1.0Ev + 1.0Eh (6		V		1	<u> </u>	30	<u>a</u>	81	_1	E	_1	82	5	83	.866	EL 7	5	E	.866				
67 0.9D - 1.0Ev + 1.0Eh (0)		V		1	0	30	.0	81	_1	F	_1	82	.0	83	1	FI 7	.0	F	1				
69 0.9D - 1.0Ev + 1.0Eh (3)				1	.9	20	.9	Q1	- 1	F	- 1	02	5	00	866		5	F	866				
		I		1	.9	29	.9	01	-	E	-	02	0 866	00	.000		J	L	.000				
09 0.9D - 1.0EV + 1.0EN (1	•••	Y			.9	39	.9	01	-1	C	-1	02	000	03	.D		000		.D				
70 0.9D - 1.0EV + 1.0Eh (1		Y		1	.9	39	.9	81	-1	E	-1	82	-1	83	-		-1	E	-				
71 0.9D - 1.0EV + 1.0Eh (2		Y		1	.9	39	.9	81	-1	E	-1	82	866	83	5	EL4	866	E	5				
72 0.9D - 1.0Ev + 1.0Eh (2		Y		1	.9	39	.9	81	-1	E	-1	82	5	83	866	ΕLΖ	5	E	866				
73 0.9D - 1.0Ev + 1.0Eh (2		Υ		1	.9	39	.9	81	-1	E	-1	82		83	-1	ELZ		E	-1				
74 0.9D - 1.0Ev + 1.0Eh (3		Y		1	.9	39	.9	81	-1	E	-1	82	.5	83	866	ELZ	.5	E	866				
75 0.9D - 1.0Ev + 1.0Eh (3		Υ		1	.9	39	.9	81	-1	E	-1	82	.866	83	5	ELZ	.866	E	5				

### Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
1	<u>CP</u>	0	0	0	0	
2	N36	-6.999996	0	4.658016	0	
3	N53A	6.999996	0	4.658016	0	
4	N112A	0.	0	-1.416664	0	
5	N113A	-0.	0	-4.607031	0	
6	N114	-0.	0	-8.041747	0	
7	N115	-2.572908	0	-4.607034	0	
8	N116A	2.299372	0.166667	-4.607034	0	
9	N117	-2.299368	0.166667	-4.607034	0	
10	N119	2.299372	0	-4.607034	0	
11	N120B	-2.299368	0	-4.607034	0	
12	N121	0.316678	0.166667	-7.874488	0	
13	N122	-0.315987	0.166667	-7.875678	0	
14	N123	0.317021	0	-7.875084	0	
15	N124A	-0.31633	0	-7.875084	0	
16	N125	2,572911	0	-4.607034	0	
17	N126	-0 166665	0	-4 607034	0	
18	N127	0.166669	0	-4.607034	0	
19	N128	0.546877	0	-8.04175	0	
20	N129	-0 546873	0	-8 04175	0	
21	N130	-2 572908	0	_4 794534	0	
22	N131	2 572011	0	_1 701531	0	
22	N132	_2 /8057/	0	_1 038872	0	
24	N132	2 517750	0	4.055144	0	
24	N134	0.600272	0	7.022/07	0	
20	N134	-0.009373	0	<u>-1.933491</u> 9.015264	0	
20	N135	-0.750996	0	-0.015204	0	
21	N 130	2.469576	0	-4.938872	0	
20	N137	2.317703	0	-4.900144	0	
29	N138	0.609377	0	-7.933497	0	
30	N139	0.751002	0	-8.015264	0	
31	<u>N95</u>	5.749996	0	4.658016	0	
32	<u>N97</u>	1.083329	0	4.658016	0	
33	<u>N99A</u>	-2.333337	0	4.658016	0	
34	N101A	-5.66667	0	4.658016	0	
35	N103A	5.749996	0	4.908016	0	
36	N105A	1.083329	0	4.908016	0	
37	N107A	-2.333337	0	4.908016	0	
38	N109A	-5.66667	0	4.908016	0	
39	N111A	5.749996	3.666667	4.908016	0	
40	N112B	1.083329	3.666667	4.908016	0	
41	N113B	-2.333337	3.666667	4.908016	0	
42	N114A	-5.66667	3.666667	4.908016	0	
43	N115A	5.749996	-2.333333	4.908016	0	
44	N116B	1.083329	-2.333333	4.908016	0	
45	N117A	-2.333337	-2.333333	4.908016	0	
46	N118	-5.66667	-2.333333	4.908016	0	
47	N167	-0.	0	-3.107031	0	
48	N168	0.208333	2	-3.107031	0	
49	N169	0.208333	-1	-3.107031	0	
50	N170	0.208333	0	-3.107031	0	
51	N155A	0.	0	-7.875084	0	
52	N52	7,533958	0 0	3,733167	0 0	
53	N53	0.533962	0	-8,391182	0	
54	N54	-1 226867	0	0 708332	0	
55	N55	-3 989806	0	2 303515	0	
56	N56	-6.06/357	0	1 020873	0	
- 30	UGNI	-0.904337	U	4.020073	U	

Ξ

### Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
57	N57	-2.703355	0	4.53172	0	
58	N58	-5.139494	0.166667	0.312203	0	
59	N59	-2.840125	0.166667	4.294828	0	
60	N60	-5.139494	0	0.312203	0	
61	<u>N61</u>	-2.840125	0	4.294828	0	
62	N62	-6.977846	0.166667	3.662993	0	
63	N63	-6.662543	0.166667	4.211492	0	
64	N64	-6.978533	0	3.662993	0	
65	N65	-6.661857	0	4.211492	0	
66	N66	-5.276264	0	0.07531	0	
67	N67	-3.906476	0	2.447853	0	
68	N68	-4.073143	0	2.159178	0	
69	N69	-7.237798	0	3.547266	0	
70	N70	-6.690923	0	4.494481	0	
71	N71	-2.865735	0	4.62547	0	
72	N72	-5.438644	0	0.16906	0	
73	N73	-3.032401	0	4.62547	0	
74	N74	-3.032401	0	4,658016	0	
75	N75	-6.565923	0	4.494481	0	
76	N76	-6.565923	0	4,658016	0	
77	N77	-5 521977	0	0.313398	0	
78	N78	-5.550162	0	0.297125	0	
79	N79	-7 175298	0	3 439013	0	
80	N80	-7 316924	0	3 357245	0	
81	N81	1 158962	0	-7 30865	0	
82	N8/	6 867295	0	2 578/73	0	
83	N85	1 375/68	0	7 /3365	0	
84	NI88	7 083802	0	2 453473	0	
85	N80	1 375/68	3 666667	7 /3365	0	
86	N03	7 092902	3.666667	2 452472	0	
00	N02	1.003002	0.000007	7 42265	0	
07	NOG	7.002002	-2.000000	-7.43303	0	
00	N07A	6 920022	-2.333333	2.433473	0	
09	NOS	-0.020022	0	0.001100	0	
90	<u> </u>	-0.000902	0	2 722167	0	
91	N99	-7.000900	0	0.700000	0	
92	N100	1.220007	0	0.700332	0	
93	<u>N101</u>	3.909000	0	2.303313	0	
94	N102	0.904357	0	4.020873	0	
95	N103	3.270202	0.466667	0.075514	0	
90	N104	2.840123	0.100007	4.294831	0	
97	N105	<u> </u>	0.100007	0.312200	0	
98		2.840123	0	4.294831	0	
99	N107	5.139492	0.466667	0.312200	0	
100	N108	0.001100	0.100007	4.211495	0	
101	N109	6.97853	0.166667	3.664186	0	
102	<u>N110</u>	0.001512	0	4.21209	0	
103	<u>N111</u>	6.978187	0	3.663592	0	
104	N112	2.703353	0	4.531/24	0	
105	N113	4.073141	0	2.159181	0	
106	N114B	3.906474	0	2.447856	0	
107	N115B	6.690921	0	4.494484	0	
108	N116	7.237796	0	3.547269	0	
109	N117B	5.438642	0	0.169064	0	
110	N118A	2.865/33	0	4.625474	0	
111	N119A	5.521975	0	0.313401	0	
112	N120	5.550161	0	0.297129	0	
113	N121A	/.175296	0	3.439016	0	

### Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
114	N122A	7.316922	0	3.357249	0	
115	N123A	3.032399	0	4.625474	0	
116	N124	3.032399	0	4.658019	0	
117	N125A	6.565921	0	4.494484	0	
118	N126A	6.565921	0	4.658019	0	
119	N127A	-6.908958	0	2.650635	0	
120	N130A	-1.200625	0	-7.236488	0	
121	N131A	-7.125464	0	2.525635	0	
122	N134A	-1.417131	0	-7.361488	0	
123	N135A	-7.125464	3.666667	2.525635	0	
124	N138A	-1.417131	3.666667	-7.361488	0	
125	N139A	-7.125464	-2.333333	2.525635	0	
126	N142	-1.417131	-2.333333	-7.361488	0	
127	N143	6.820022	0	3,937542	0	
128	N144	-6 999996	3	4 658016	0	
129	N145	6 999996	3	4 658016	0	
130	N146	5 749996	3	4 658016	0	
131	N147	1 083329	3	4 658016	0	
132	N148	-2 333337	3	4.658016	0	
132	N140	5 66667	3	4.658016	0	
124	N149	5.740006	3	4.008010	0	
125	N151	1.022220	3	4.900010	0	
126	N150	1.003328	2	4.900010	0	
127	<u>N152</u>	-2.333337	2	4.900010	0	
137	<u>N155</u>	-5.00007	3	4.900010	0	
130	<u>IN 154</u> N155	1.000900	<u> </u>	0.201102	0	
139	N155	0.533962	3	-8.391182	0	
140	N156	1.158962	3	-7.30865	0	
141	N158	6.867295	3	2.5/84/3	0	
142	N159	1.375468	3	-7.43305	0	
143	N161	7.083802	3	2.453473	0	
144	N162	-0.533962	3	-8.391182	0	
145	<u>N163</u>	-7.533958	3	3.733167	0	
146	<u>N164</u>	-6.908958	3	2.650635	0	
147	N166	-1.200625	3	-7.236488	0	
148	N167A	-7.125464	3	2.525635	0	
149	N169A	-1.41/131	3	-7.361488	0	
150	N150A	3.492295	0	-3.26/199	0	
151	<u>N151A</u>	5.200629	0	-0.308279	0	
152	N152A	3.708802	0	-3.392199	0	
153	<u>N153A</u>	5.417135	0	-0.433279	0	
154	N154A	3.708802	3.666667	-3.392199	0	
155	N155B	5.417135	3.666667	-0.433279	0	
156	N156A	3.708802	-2.333333	-3.392199	0	
157	N157	5.417135	-2.333333	-0.433279	0	
158	N158A	3.492295	3	-3.267199	0	
159	N159A	5.200629	3	-0.308279	0	
160	N160	3.708802	3	-3.392199	0	
161	N161A	5.417135	3	-0.433279	0	
162	N162A	-4.575625	0	-1.390817	0	
163	N163A	-2.867291	0	-4.349737	0	
164	N164A	-4.792131	0	-1.515817	0	
165	N165	-3.083798	0	-4.474737	0	
166	N166A	-4.792131	3.666667	-1.515817	0	
167	N167B	-3.083798	3.666667	-4.474737	0	
168	N168A	-4.792131	-2.333333	-1.515817	0	
169	N169B	-3.083798	-2.333333	-4.474737	0	
170	N170A	-4.575625	3	-1.390817	0	

### Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
171	N171	-2.867291	3	-4.349737	0	
172	N172	-4.792131	3	-1.515817	0	
173	N173	-3.083798	3	-4.474737	0	
174	N174	-4.999996	3	4.658016	0	
175	N175	-4.999996	3	4.491349	0	
176	N176	4.999996	3	4.658016	0	
177	N177	4.999996	3	4.491349	0	
178	N178	6.533958	3	2.001116	0	
179	N179	6.38962	3	2.084449	0	
180	N180	1.533962	3	-6.659131	0	
181	N181	1.389624	3	-6.575798	0	
182	N182	-1.533962	3	-6.659131	0	
183	N183	-1.389624	3	-6.575798	0	
184	N184	-6.533958	3	2.001116	0	
185	N185	-6.38962	3	2.084449	0	

#### Hot Rolled Steel Section Sets

	Label	Shape	Туре	Design List	Material	Design	A [in2]	lyy [in4]	lzz [in4]	J [in4]
1	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossme	HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical	2.58	6.21	6.21	10
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Support Rail	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
10	Support Brace	L2.5x2.5x4	Column	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026

#### Hot Rolled Steel Properties

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

#### Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Туре	Design List	Material	Design Rules
1	M20	N53A	N36			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M72A	N112A	N114			Standoff Horiz	Beam	SquareTube	A500 Gr.B	Typical
3	M73	N125	N127			Platform Cross	Beam	SquareTube	A500 Gr.B	Typical
4	M74	N126	N115			Platform Cross	Beam	SquareTube	A500 Gr.B	Typical
5	M75	N129	N128			Corner Plate	Beam	BAR	A36 Gr.36	Typical
6	M76	N117	N120B			RIGID	None	None	RIGID	Typical
7	M77	N116A	N119			RIGID	None	None	RIGID	Typical
8	M78	N121	N116A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M79	N117	N122			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
10	M80	N122	N124A			RIGID	None	None	RIGID	Typical

### Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Туре	Design List	Material	Design Rules
11	<u>M81</u>	N121	N123			RIGID	None	None	RIGID	Typical
12	M82	N126	N113A			RIGID	None	None	RIGID	Typical
13	<u>M83</u>	<u>N113A</u>	N127			RIGID	None	None	RIGID	Typical
14	<u>M84</u>	N115	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
15	<u>M85</u>	N130	N132			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
16	M86A	N132	N133			RIGID	None	None	RIGID	Typical
17	<u>10187A</u>	N129	N134			Corner Plate	Beam	BAR	A30 GI.30	Typical
10		N134	N133			Cross Arm Plate	Column		A36 Gr 36	Typical
20	MOOA	N120	N136			Cross Arm Plate	Column	PECT	A36 Gr 36	Typical
20	MQ1	N136	N130				None	None	PICID	Typical
22	MQ2	N128	N138			Corner Plate	Beam	BAR	A36 Gr 36	Typical
22	MQ3D	N138	N130			RIGID	None	None	RIGID	Typical
24	M77A	N95	N103A			RIGID	None	None	RIGID	Typical
25	M78A	N97	N105A			RIGID	None	None	RIGID	Typical
26	M79A	N99A	N107A			RIGID	None	None	RIGID	Typical
27	M80A	N101A	N109A			RIGID	None	None	RIGID	Typical
28	MP4A	N114A	N118			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
29	MP3A	N113B	N117A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
30	MP2A	N112B	N116B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
31	MP1A	N111A	N115A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
32	OVP	N168	N169			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
33	M110	N167	N170			RIGID	None	None	RIGID	Typical
34	M99A	N124A	N155A			RIGID	None	None	RIGID	Typical
35	M100A	N155A	N123			RIGID	None	None	RIGID	Typical
36	M36	N53	N52			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
37	M37	N54	N56			Standoff Horiz	Beam	SquareTube	A500 Gr.B	Typical
38	M38	N66	N68			Platform Cross	Beam	SquareTube	A500 Gr.B	Typical
39	<u>M39</u>	<u>N67</u>	N57			Platform Cross	Beam	SquareTube	A500 Gr.B	Typical
40	M40	N70	N69			Corner Plate	Beam	BAR	A36 Gr.36	Typical
41	<u>M41</u>	<u>N59</u>	<u>N61</u>			RIGID	None	None	RIGID	I ypical
42	<u>M42</u>	<u>N58</u>	N60			RIGID	None	None	RIGID	Typical
43	<u>M43</u>	N62	N58			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
44	IVI44	NG2	NO3				Nene	Single Angle	A30 GI.30	Typical
45	IVI45	NO3				RIGID	None	None	RIGID	Typical
40	<u>IVI40</u> M47	N67	N65			PICID	None	None	RIGID	Typical
47	M/8	N55	N68			RIGID	None	None	RIGID	Typical
/0	M/Q	N57	N71			Cross Arm Plate	Column	RECT	A36 Gr 36	Typical
50	M50	N71	N73			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
51	M51	N73	N74			RIGID	None	None	RIGID	Typical
52	M52	N70	N75			Corner Plate	Beam	BAR	A36 Gr.36	Typical
53	M53	N75	N76			RIGID	None	None	RIGID	Typical
54	M54	N66	N72			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
55	M55	N72	N77			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
56	M56	N77	N78			RIGID	None	None	RIGID	Typical
57	M57	N69	N79			Corner Plate	Beam	BAR	A36 Gr.36	Typical
58	M58	N79	N80			RIGID	None	None	RIGID	Typical
59	M59	N81	N85			RIGID	None	None	RIGID	Typical
60	M62	N84	N88			RIGID	None	None	RIGID	Typical
61	MP4C	N92	N96			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
62	MP1C	N89	N93			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
63	M67	N65	N97A			RIGID	None	None	RIGID	Typical
64	M68	N97A	N64			RIGID	None	None	RIGID	Typical
65	M69	N99	N98			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
66	M70	N100	N102			Standoff Horiz	Beam	SquareTube	A500 Gr.B.	Typical
67	M71	N112	N114B			Platform Cross	Beam	SquareTube	A500 Gr.B	Typical

### Member Primary Data (Continued)

00	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Туре	Design List	Material	Design Rules
68	M72	N113	N103			Plation Cross.	Beam	SquareTube	A300 GLB	Typical
09	NIT 3A	N110					Nene	BAR		Typical
70	M75A	N103	N107				None	None		Typical
72	MZ6A	N104	N100			Grating Support	Room		A36 Gr 36	Typical
72	M77P	N105	N104			Grating Support	Boom	Single Angle	A36 Gr 36	Typical
73	M78B	N109	N111			RIGID	None	None	RIGID	Typical
75	M70B	N108	N110			RIGID	None	None	RIGID	Typical
76	M80B	N113	N101			RIGID	None	None	RIGID	Typical
77	M81B	N101	N114B			RIGID	None	None	RIGID	Typical
78	M82B	N103	N117B			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
79	M83B	N117B	N119A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
80	M84B	N119A	N120			RIGID	None	None	RIGID	Typical
81	M85A	N116	N121A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
82	M86	N121A	N122A			RIGID	None	None	RIGID	Typical
83	M87	N112	N118A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
84	M88A	N118A	N123A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
85	M89	N123A	N124			RIGID	None	None	RIGID	Typical
86	M90	N115B	N125A			<b>Corner Plate</b>	Beam	BAR	A36 Gr.36	Typical
87	M91A	N125A	N126A			RIGID	None	None	RIGID	Typical
88	M92A	N127A	N131A			RIGID	None	None	RIGID	Typical
89	M95	N130A	N134A			RIGID	None	None	RIGID	Typical
90	MP4B	N138A	N142			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	MP1B	N135A	N139A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M100	N111	N143			RIGID	None	None	RIGID	Typical
93	M101	N143	N110			RIGID	None	None	RIGID	Typical
94	M102	N145	N144			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
95	M103	N146	N150			RIGID	None	None	RIGID	Typical
96	M104	N147	N151			RIGID	None	None	RIGID	Typical
97	<u>M105</u>	N148	N152			RIGID	None	None	RIGID	Typical
98	M106	N149	N153			RIGID	None	None	RIGID	Typical
99	M107	N155	N154			Face Honzontal	Beam	Pipe	A53 Gr.B	Typical
100	M1108	N150	N159			RIGID	None	None	RIGID	Typical
101		N158	N161			RIGID	Ream	Dine		Typical
102		N164	N167A				Nono	Nono	ADD GI.D	Typical
103		N166	N160A			PICID	None	None	RIGID	Typical
104	M105A	N150A	N152A			PICID	None	None	PICID	Typical
105	M106A	N151A	N153A			RIGID	None	None	RIGID	Typical
107	MP3C	N155B	N157			Mount Pine	Column	Pine	A53 Gr B	Typical
108	MP2C	N154A	N156A			Mount Pine	Column	Pine	A53 Gr B	Typical
109	M109	N158A	N160			RIGID	None	None	RIGID	Typical
110	M110B	N159A	N161A			RIGID	None	None	RIGID	Typical
111	M111A	N162A	N164A			RIGID	None	None	RIGID	Typical
112	M112A	N163A	N165			RIGID	None	None	RIGID	Typical
113	MP3B	N167B	N169B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
114	MP2B	N166A	N168A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
115	M115	N170A	N172			RIGID	None	None	RIGID	Typical
116	M116	N171	N173			RIGID	None	None	RIGID	Typical
117	M117	N174	N175			RIGID	None	None	RIGID	Typical
118	M118	N176	N177			RIGID	None	None	RIGID	Typical
119	M119	N178	N179			RIGID	None	None	RIGID	Typical
120	M120	N180	N181			RIGID	None	None	RIGID	Typical
121	M121	N182	N183			RIGID	None	None	RIGID	Typical
122	M122	N184	N185			RIGID	None	None	RIGID	Typical
123	M123	N175	N185		90	Support Rail C.	Beam	Single Angle	A36 Gr.36	Typical
124	M124	N183	N181		90	Support Rail C	Beam	Single Angle	A36 Gr.36	lypical

### Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	) Section/Shape	Туре	Design List	Material	Design Rules
125	M125	N179	N177		90	Support Rail C	Beam	Single Angle	A36 Gr.36	Typical

### Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl RatA	nalysis	Inactive	Seismic
1	M20					_	Yes		-		None
2	M72A						Yes	Default			None
3	M73						Yes				None
4	M74						Yes				None
5	M75						Yes				None
6	M76						Yes	** NA **			None
7	M77						Yes	** NA **			None
8	M78	00000X	00000X				Yes				None
9	M79	000000	000000				Yes				None
10	M80		000000				Vec	** NA **			None
11	M81						Voc	** NA **			None
12	M82						Vec	** NA **			None
12	Mgg						Voc	** NA **			None
14	1000						Vee	** NIA **			None
14	IVIO4						Vee	** NIA **			None
10	IVIOU		DeeDIN				Vee	NA ** NA **			None
10	NISOA		BenPIN				Yes	INA			None
1/	1V187A		DeviDIN				Yes	** NIA **			None
18	10188		BenPIN				Yes	** NA **			INONE
19	<u>M89A</u>						Yes	** NA **			None
20	M90A						Yes	** NA **			None
21	<u>M91</u>		BenPIN				Yes	** NA **			None
22	M92						Yes				None
23	M93A		BenPIN				Yes	** NA **			None
24	M77A						Yes	** NA **			None
25	M78A						Yes	** NA **			None
26	M79A						Yes	** NA **			None
_27	M80A						Yes	** NA **			None
28	MP4A						Yes	** NA **			None
29	MP3A						Yes	** NA **			None
30	MP2A						Yes	** NA **			None
31	MP1A						Yes	** NA **			None
32	OVP						Yes	** NA **			None
33	M110						Yes	** NA **			None
34	M99A						Yes	** NA **			None
35	M100A						Yes	** NA **			None
36	M36						Yes				None
37	M37						Yes	Default			None
38	M38						Yes				None
39	M39						Yes				None
40	M40						Yes				None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43	00000	00000				Yee				None
44	MAA	00000	00000				Vec				None
15	M45	00000	00000X				Vec	** NA **			None
40	M46						Vee	** NIA **			None
40	N47						Voo	NA ** NA **			None
4/	IVI47						Vee	NA ** NA **			None
40	10148						Vee	NA **			None
49	10149						Yes	** NIA **			None
50	IVI50		DeeDIN				Yes	** NIA **			None
51	10151		Renalin				res	INA **			ivone

### Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only Pl	hysical	Defl RatAnalysis	Inactive	Seismic
52	M52						Yes			None
53	M53		BenPIN				Yes	** NA **		None
54	M54						Yes	** NA **		None
55	M55						Yes	** NA **		None
56	M56		BenPIN				Yes	** NA **		None
57	M57						Yes			None
58	M58		BenPIN				Yes	** NA **		None
59	M59		Donning				Ves	** NA **		None
60	M62						Ves	** NA **		None
61	MP/C						Vec	** NA **		None
62	MP1C						Vec	** NA **		None
62	M67						Voc	** NIA **		None
64	M69						Vee	×* ΝΙΔ **		None
04	MGO						Vec	INA		None
00	10169						Yes	Defeult		None
66	<u>M70</u>						res	Default		None
67	<u>M71</u>						<u>res</u>			None
68	M/2						Yes			None
69	M73A						Yes			None
70	M74A						Yes	** NA **		None
71	M75A						Yes	** NA **		None
72	M76A	00000X	00000X				Yes			None
73	M77B	00000X	00000X				Yes			None
74	M78B						Yes	** NA **		None
75	M79B						Yes	** NA **		None
76	M80B						Yes	** NA **		None
77	M81B						Yes	** NA **		None
78	M82B						Yes	** NA **		None
79	M83B						Yes	** NA **		None
80	M84B		BenPIN				Yes	** NA **		None
81	M85A						Yes			None
82	M86		BenPIN				Yes	** NA **		None
83	M87		Donning				Yes	** NA **		None
84	M88A						Ves	** NA **		None
85	M89		BenPIN				Ves	** NA **		None
86	MQO		Donning				Vec			None
87	MQ1A		BonDIN				Vec	** NA **		None
07	MO2A		Denrin				Voc	** NIA **		None
00	MOE						Vee	N/Λ ** ΝΙΛ **		None
09							Vec	ΝΑ ** ΝΔ **		None
90							Vec	Ν/\ ** ΝΙΔ **		None
91	MADO						Vee	NA ** NA **		None
92	W100						Vez	NA ** NA **		None
93	<u>IVI101</u>						res	NA		ivone
94	M102						Yes	** NIA **		None
95	W103						res	** NA **		None
96	M104						Yes	** NA **		None
97	M105						Yes	** NA **		None
98	M106						Yes	** NA **		None
99	<u>M107</u>						Yes			None
100	M108						Yes	** NA **		None
101	M110A						Yes	** NA **		None
102	M111						Yes			None
103	M112						Yes	** NA **		None
104	M114						Yes	** NA **		None
105	M105A						Yes	** NA **		None
106	M106A						Yes	** NA **		None
107	MP3C						Yes	** NA **		None
108	MP2C						Yes	** NA **		None

### Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl RatAnalysis	Inactive	Seismic
109	M109					-	Yes	** NA **		None
110	M110B						Yes	** NA **		None
111	M111A						Yes	** NA **		None
112	M112A						Yes	** NA **		None
113	MP3B						Yes	** NA **		None
114	MP2B						Yes	** NA **		None
115	M115						Yes	** NA **		None
116	M116						Yes	** NA **		None
117	M117	00000X					Yes	** NA **		None
118	M118	00000X					Yes	** NA **		None
119	M119	00000X					Yes	** NA **		None
120	M120	00000X					Yes	** NA **		None
121	M121	00000X					Yes	** NA **		None
122	M122	00000X					Yes	** NA **		None
123	M123						Yes			None
124	M124						Yes			None
125	M125						Yes			None

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Y	-10.5	.25
2	MP1A	My	005	.25
3	MP1A	Mz	0	.25
4	MP1A	Y	-10.5	5.75
5	MP1A	My	005	5.75
6	MP1A	Mz	0	5.75
7	MP1B	Y	-10.5	.25
8	MP1B	My	.005	.25
9	MP1B	Mz	002	.25
10	MP1B	Y	-10.5	5.75
11	MP1B	My	.005	5.75
12	MP1B	Mz	002	5.75
13	MP1C	Y	-10.5	.25
14	MP1C	My	.002	.25
15	MP1C	Mz	.005	.25
16	MP1C	Y	-10.5	5.75
17	MP1C	My	.002	5.75
18	MP1C	Mz	.005	5.75
19	MP4A	Y	-10.5	.25
20	MP4A	My	005	.25
21	MP4A	Mz	0	.25
22	MP4A	Y	-10.5	5.75
23	MP4A	My	005	5.75
24	MP4A	Mz	0	5.75
25	MP4B	Y	-10.5	.25
26	MP4B	My	.005	.25
27	MP4B	Mz	002	.25
28	MP4B	Y	-10.5	5.75
29	MP4B	My	.005	5.75
30	MP4B	Mz	002	5.75
31	MP4C	Y	-10.5	.25
32	MP4C	My	.002	.25
33	MP4C	Mz	.005	.25
34	MP4C	Y	-10.5	5.75
35	MP4C	Му	.002	5.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
36	MP4C	Mz	.005	5.75
37	MP2A	Y	-20	.5
38	MP2A	My	01	.5
39	MP2A	Mz	.011	.5
40	MP2A	Y	-20	5.5
41	MP2A	My	01	5.5
42	MP2A	Mz	.011	5.5
43	MP2B	Y	-20	.5
44	MP2B	My	.006	.5
45	MP2B	Mz	014	.5
46	MP2B	Y	-20	5.5
47	MP2B	My	.006	5.5
48	MP2B	Mz	014	5.5
49	MP2C	Y	-20	.5
50	MP2C	My	.014	.5
51	MP2C	Mz	.006	.5
52	MP2C	Y	-20	5.5
53	MP2C	My	.014	5.5
54	MP2C	Mz	.006	5.5
55	MP2A	Y	-20	.5
56	MP2A	My	01	.5
57	MP2A	Mz	011	.5
58	MP2A	Y	-20	5.5
59	MP2A	My	01	5.5
60	MP2A	Mz	011	5.5
61	MP2B	Y	-20	.5
62	MP2B	My	.013	.5
63	MP2B	Mz	.007	.5
64	MP2B	Y	-20	5.5
65	MP2B	My	.013	5.5
66	MP2B	Mz	.007	5.5
67	MP2C	Y	-20	.5
68	MP2C	My	007	.5
69	MP2C	MZ	.013	.5
70	MP2C	Ý	-20	5.5
71	MP2C	My	007	5.5
72	MP2C	NZ	.013	5.5
73	MP3A	Ý NA L	-43.55	2
74	MP3A	My	022	2
75	MD2A		12 55	2
77	MD2A	T NAV	-43.33	4
70	NIP3A		UZZ	4
70	MD2R		12 55	4
19	MD2D	T NAV	-43.33	2
91	MD2D		.02	2
01	MD2D		007	<u> </u>
82	MD2D	My	-40.00	4
84	MD2D		.02	4
85	MD2C		007	4
86	MD2C	I NAV	-43.33	2
97	MD2C		.007	2
07	MD2C		.02	Δ
80	MP2C	My	-43.33	4
00	MD2C		.007	4
01	MD1A		74.7	4
02		I NAV	-14.1	2
92		IVIY	.025	۷.

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
93	MP1A	Mz	0	2
94	MP1B	Y	-74.7	2
95	MP1B	My	012	2
96	MP1B	Mz	.022	2
97	MP1C	Y	-74.7	2
98	MP1C	My	012	2
99	MP1C	Mz	022	2
100	MP2A	Y	-70.3	2
101	MP2A	My	.023	2
102	MP2A	Mz	0	2
103	MP2B	Y	-70.3	2
104	MP2B	My	012	2
105	MP2B	Mz	.02	2
106	MP2C	Y	-70.3	2
107	MP2C	My	012	2
108	MP2C	Mz	02	2
109	OVP	Y	-32	1
110	OVP	My	.011	1
111	OVP	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Y	-58.782	.25
2	MP1A	My	029	.25
3	MP1A	Mz	0	.25
4	MP1A	Y	-58.782	5.75
5	MP1A	My	029	5.75
6	MP1A	Mz	0	5.75
7	MP1B	Y	-58.782	.25
8	MP1B	My	.028	.25
9	MP1B	Mz	01	.25
10	MP1B	Y	-58.782	5.75
11	MP1B	My	.028	5.75
12	MP1B	Mz	01	5.75
13	MP1C	Y	-58.782	.25
14	MP1C	My	.01	.25
15	MP1C	Mz	.028	.25
16	MP1C	Y	-58.782	5.75
17	MP1C	My	.01	5.75
18	MP1C	Mz	.028	5.75
19	MP4A	Y	-58.782	.25
20	MP4A	My	029	.25
21	MP4A	Mz	0	.25
22	MP4A	Y	-58.782	5.75
23	MP4A	My	029	5.75
24	MP4A	Mz	0	5.75
25	MP4B	Y	-58.782	.25
26	MP4B	My	.028	.25
27	MP4B	Mz	01	.25
28	MP4B	Y	-58.782	5.75
29	MP4B	My	.028	5.75
30	MP4B	Mz	01	5.75
31	MP4C	Y	-58.782	.25
32	MP4C	My	.01	.25
33	MP4C	Mz	.028	.25
34	MP4C	Y	-58.782	5.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
35	MP4C	My	.01	5.75
36	MP4C	Mz	.028	5.75
37	MP2A	Y	-60.597	.5
38	MP2A	My	03	.5
39	MP2A	Mz	.033	.5
40	MP2A	Y	-60.597	5.5
41	MP2A	My	03	5.5
42	MP2A	Mz	.033	5.5
43	MP2B	Y	-60.597	.5
44	MP2B	My	.017	.5
45	MP2B	Mz	041	.5
46	MP2B	Y	-60.597	5.5
47	MP2B	My	.017	5.5
48	MP2B	Mz	041	5.5
49	MP2C	Y	-60.597	.5
50	MP2C	My	.041	.5
51	MP2C	Mz	.017	.5
52	MP2C	Y	-60.597	5.5
53	MP2C	My	.041	5.5
54	MP2C	Mz	.017	5.5
55	MP2A	Y	-60.597	.5
56	MP2A	My	03	.5
57	MP2A	Mz	033	.5
58	MP2A	Y	-60.597	5.5
59	MP2A	My	03	5.5
60	MP2A	Mz	033	5.5
61	MP2B	Y	-60.597	.5
62	MP2B	My	.04	.5
63	MP2B	Mz	.02	.5
64	MP2B	Y	-60.597	5.5
65	MP2B	My	.04	5.5
66	MP2B	Mz	.02	5.5
67	MP2C	Y	-60.597	.5
68	MP2C	My	02	.5
69	MP2C	Mz	.04	.5
70	MP2C	Y	-60.597	5.5
71	MP2C	My	02	5.5
72	MP2C	Mz	.04	5.5
73	MP3A	Y	-35.341	2
/4	MP3A	My	018	2
/5	MP3A	MZ	0	2
/0	MP3A	Y	-35.341	4
70	MP3A		018	4
78	MP3A	IVIZ	U	4
19		Ý NA r	-30.341	2
01			.017	2
00		IVIZ	000	2
02		Y NAV	-30.341	4
03			.017	4
04			000	4
00		Ϋ́ ΝΔν	-30.341	2
00	MD2C		.000	2
0/	MD2C		.017	
80	MD20	I NAV	-55.541	4
00	MD20			4
01	MD1 A		.017	4
31		Î .	-44.001	ζ

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
92	MP1A	My	.015	2
93	MP1A	Mz	0	2
94	MP1B	Y	-44.551	2
95	MP1B	My	007	2
96	MP1B	Mz	.013	2
97	MP1C	Y	-44.551	2
98	MP1C	My	007	2
99	MP1C	Mz	013	2
100	MP2A	Y	-42.425	2
101	MP2A	My	.014	2
102	MP2A	Mz	0	2
103	MP2B	Y	-42.425	2
104	MP2B	My	007	2
105	MP2B	Mz	.012	2
106	MP2C	Y	-42.425	2
107	MP2C	My	007	2
108	MP2C	Mz	012	2
109	OVP	Y	-87.251	1
110	OVP	Му	.029	1
111	OVP	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	0	.25
2	MP1A	Z	-123.466	.25
3	MP1A	Mx	0	.25
4	MP1A	Х	0	5.75
5	MP1A	Z	-123.466	5.75
6	MP1A	Mx	0	5.75
7	MP1B	Х	0	.25
8	MP1B	Z	-121.639	.25
9	MP1B	Mx	.021	.25
10	MP1B	Х	0	5.75
11	MP1B	Z	-121.639	5.75
12	MP1B	Mx	.021	5.75
13	MP1C	Х	0	.25
14	MP1C	Z	-109.677	.25
15	MP1C	Mx	052	.25
16	MP1C	Х	0	5.75
17	MP1C	Z	-109.677	5.75
18	MP1C	Mx	052	5.75
19	MP4A	Х	0	.25
20	MP4A	Z	-123.466	.25
21	MP4A	Mx	0	.25
22	MP4A	Х	0	5.75
23	MP4A	Z	-123.466	5.75
24	MP4A	Mx	0	5.75
25	MP4B	Х	0	.25
26	MP4B	Z	-121.639	.25
27	MP4B	Mx	.021	.25
28	MP4B	Х	0	5.75
29	MP4B	Z	-121.639	5.75
30	MP4B	Mx	.021	5.75
31	MP4C	Х	0	.25
32	MP4C	Z	-109.677	.25
33	MP4C	Mx	052	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
34	MP4C	X	0	5.75
35	MP4C	Z	-109.677	5.75
36	MP4C	Mx	052	5.75
37	MP2A	X	0	.5
38	MP2A	Z	-142.905	.5
39	MP2A	Mx	077	.5
40	MP2A	Х	0	5.5
41	MP2A	Z	-142,905	5.5
42	MP2A	Mx	077	5.5
43	MP2B	X	0	.5
44	MP2B	Z	-137.243	.5
45	MP2B	Mx	.093	.5
46	MP2B	X	0	5.5
47	MP2B	7	-137 243	5.5
48	MP2B	Mx	093	5.5
49	MP2C	X	0	5
50	MP2C	7	-100 166	5
51	MP2C	Mx	- 029	
52	MP2C	X	0	5 5
53	MP2C	7	-100 166	5.5
54	MP2C		_ 029	5.5
55	MP2A	X	029	5.5
56	MP2A	7	142 905	.5
57	MP2A		-142.905	.5
58	MD2A	X	.017	.5
50	MP2A	7	142 005	5.5
60	MD2A		077	5.5
61	MP2R	X	.011	5.5
62	MP2B			.5
63	MP2B		- 046	
64	MP2B	X	040	5.5
65	MP2B	7		5.5
66	MP2B		- 046	5.5
67	MP2C	X	0	5
68	MP2C	7	_100 166	.5
69	MP2C		- 066	
70	MP2C	X	000	5.5
71	MP2C	7		5.5
72	MP2C	Mx	- 066	5.5
73	MP3A	X	000	2
74	MP3A	7	-82 311	2
75	MP3A	My	0	2
76	MP3A	X	0	4
77	MP3A	7	-82,311	4
78	MP3A	Mx	0	4
79	MP3B	X	0	2
80	MP3B	7	-76 452	2
81	MP3B	Mx	013	2
82	MP3B	X	0	4
83	MP3B	7	-76 452	4
84	MP3B	Mx	013	4
85	MP3C	X	0	2
86	MP3C	7	-38 083	2
87	MP3C	Mx	- 018	2
88	MP3C	X	0	4
89	MP3C	7	-38 083	4
90	MP3C	My	- 018	4
	1011 50	IVIA	010	

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
91	MP1A	Х	0	2
92	MP1A	Z	-65.498	2
93	MP1A	Mx	0	2
94	MP1B	Х	0	2
95	MP1B	Z	-49.211	2
96	MP1B	Mx	014	2
97	MP1C	Х	0	2
98	MP1C	Z	-49.211	2
99	MP1C	Mx	.014	2
100	MP2A	Х	0	2
101	MP2A	Z	-65.498	2
102	MP2A	Mx	0	2
103	MP2B	Х	0	2
104	MP2B	Z	-46.256	2
105	MP2B	Mx	013	2
106	MP2C	Х	0	2
107	MP2C	Z	-46.256	2
108	MP2C	Mx	.013	2
109	OVP	Х	0	1
110	OVP	Z	-108.492	1
111	OVP	Mx	0	1

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	59.781	.25
2	MP1A	Z	-103.544	.25
3	MP1A	Mx	03	.25
4	MP1A	Х	59.781	5.75
5	MP1A	Z	-103.544	5.75
6	MP1A	Mx	03	5.75
7	MP1B	Х	57.151	.25
8	MP1B	Z	-98.989	.25
9	MP1B	Mx	.044	.25
10	MP1B	Х	57.151	5.75
11	MP1B	Z	-98.989	5.75
12	MP1B	Mx	.044	5.75
13	MP1C	Х	58.507	.25
14	MP1C	Z	-101.337	.25
15	MP1C	Mx	038	.25
16	MP1C	Х	58.507	5.75
17	MP1C	Z	-101.337	5.75
18	MP1C	Mx	038	5.75
19	MP4A	Х	59.781	.25
20	MP4A	Z	-103.544	.25
21	MP4A	Mx	03	.25
22	MP4A	Х	59.781	5.75
23	MP4A	Z	-103.544	5.75
24	MP4A	Mx	03	5.75
25	MP4B	Х	57.151	.25
26	MP4B	Z	-98.989	.25
27	MP4B	Mx	.044	.25
28	MP4B	Х	57.151	5.75
29	MP4B	Z	-98.989	5.75
30	MP4B	Mx	.044	5.75
31	MP4C	Х	58.507	.25
32	MP4C	Z	-101.337	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
33	MP4C	Mx	038	.25
34	MP4C	<u> </u>	58.507	5.75
35	MP4C	Z	-101.337	5.75
36	MP4C	Mx	038	5.75
37	MP2A	X	65.402	.5
38	MP2A	<u> </u>	-113.28	.5
39	MP2A	MX	094	.5
40	MP2A	X 7	65.402	5.5
41			-113.28	5.5
42			094	5.5
43		7	00.162	.5
44			-99.102	.5
45	MD2B		57 251	.5
40	MP2B	7		5.5
48	MP2B		084	5.5
40	MP2C	X	61 454	5
50	MP2C	7	-106 441	
51	MP2C	Mx	.011	
52	MP2C	X	61,454	5.5
53	MP2C	Z	-106.441	5.5
54	MP2C	Mx	.011	5.5
55	MP2A	Х	65.402	.5
56	MP2A	Z	-113.28	.5
57	MP2A	Mx	.029	.5
58	MP2A	X	65.402	5.5
59	MP2A	Z	-113.28	5.5
60	MP2A	Mx	.029	5.5
61	MP2B	<u>X</u>	57.251	.5
62	MP2B	<u> </u>	-99.162	.5
63	MP2B	MX	.004	.5
64	MP2B	X 7	57.251	5.5
66			-99.162	5.5
67	MP2C		61 454	5.5
68	MP2C	7	106.441	.5
69	MP2C	Mx	- 091	.5
70	MP2C	X	61 454	55
71	MP2C	7	-106 441	5.5
72	MP2C	Mx	091	5.5
73	MP3A	Х	34.895	2
74	MP3A	Z	-60.439	2
75	MP3A	Mx	017	2
76	MP3A	Х	34.895	4
77	MP3A	Z	-60.439	4
78	MP3A	Mx	017	4
79	MP3B	<u>X</u>	26.459	2
80	MP3B	Z	-45.829	2
81	MP3B	MIX	.02	2
82	MP3B	× 7	<u>20.459</u>	4
03	MD2P		-40.829	4
85	MD2C	IVIX Y	30,808	4
86	MP3C	7		2
87	MP3C	Mx	- 02	2
88	MP3C	X	30,808	4
89	MP3C	Z	-53.361	4
				· ·

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
90	MP3C	Mx	02	4
91	MP1A	Х	30.035	2
92	MP1A	Z	-52.021	2
93	MP1A	Mx	.01	2
94	MP1B	Х	21.891	2
95	MP1B	Z	-37.917	2
96	MP1B	Mx	015	2
97	MP1C	Х	30.035	2
98	MP1C	Z	-52.021	2
99	MP1C	Mx	.01	2
100	MP2A	Х	29.542	2
101	MP2A	Z	-51.168	2
102	MP2A	Mx	.01	2
103	MP2B	Х	19.921	2
104	MP2B	Z	-34.504	2
105	MP2B	Mx	013	2
106	MP2C	Х	29.542	2
107	MP2C	Z	-51.168	2
108	MP2C	Mx	.01	2
109	OVP	Х	58.46	1
110	OVP	Z	-101.256	1
111	OVP	Mx	.019	1

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	96.782	.25
2	MP1A	Z	-55.877	.25
3	MP1A	Mx	048	.25
4	MP1A	Х	96.782	5.75
5	MP1A	Z	-55.877	5.75
6	MP1A	Mx	048	5.75
7	MP1B	Х	93.809	.25
8	MP1B	Z	-54.161	.25
9	MP1B	Mx	.053	.25
10	MP1B	Х	93.809	5.75
11	MP1B	Z	-54.161	5.75
12	MP1B	Mx	.053	5.75
13	MP1C	Х	106.517	.25
14	MP1C	Z	-61.498	.25
15	MP1C	Mx	011	.25
16	MP1C	Х	106.517	5.75
17	MP1C	Z	-61.498	5.75
18	MP1C	Mx	011	5.75
19	MP4A	Х	96.782	.25
20	MP4A	Z	-55.877	.25
21	MP4A	Mx	048	.25
22	MP4A	Х	96.782	5.75
23	MP4A	Z	-55.877	5.75
24	MP4A	Mx	048	5.75
25	MP4B	Х	93.809	.25
26	MP4B	Z	-54.161	.25
27	MP4B	Mx	.053	.25
28	MP4B	Х	93.809	5.75
29	MP4B	Z	-54.161	5.75
30	MP4B	Mx	.053	5.75
31	MP4C	Х	106.517	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
32	MP4C	Z	-61.498	.25
33	MP4C	Mx	011	.25
34	MP4C	<u> </u>	106.517	5.75
35	MP4C	Z	-61.498	5.75
36	MP4C	Mx	011	5.75
37	MP2A	<u> </u>	92.322	.5
38	MP2A		-53.302	.5
39	MP2A		075	.5
40		7	52.322	5.5
41			-55.302	5.5
42			075	5.5
43			47.082	.5
44	MP2B	<u> </u>	-47.902	.5
46	MP2B	X	83 107	55
40	MP2B	7	-47 982	5.5
48	MP2B	Mx	056	5.5
49	MP2C	X	122 496	5
50	MP2C	Z	-70,723	.5
51	MP2C	Mx	.063	.5
52	MP2C	Х	122.496	5.5
53	MP2C	Z	-70.723	5.5
54	MP2C	Mx	.063	5.5
55	MP2A	X	92.322	.5
56	MP2A	Z	-53.302	.5
57	MP2A	Mx	017	.5
58	MP2A	Х	92.322	5.5
59	MP2A	Z	-53.302	5.5
60	MP2A	Mx	017	5.5
61	MP2B	X	83.107	.5
62	MP2B		-47.982	.5
63			.038	.0
65			47.082	5.5
66	MD2R		-47.902	5.5
67	MP2C	X	122.496	5
68	MP2C	7	-70 723	
69	MP2C	Mx	- 088	5
70	MP2C	X	122.496	5.5
71	MP2C	Z	-70.723	5.5
72	MP2C	Mx	088	5.5
73	MP3A	Х	38.751	2
74	MP3A	Z	-22.373	2
75	MP3A	Mx	019	2
76	MP3A	X	38.751	4
77	MP3A	Z	-22.373	4
/8	MP3A	Mx	019	4
/9	MP3B	X 7	29.215	2
80	MP3B		-10.80/	2
01	MD2P	IVIX	.01/	
0Z 82	MD2P	7	16 267	4
84	MD2R		- 10.007	4
85	MP3C	X	69 975	4
86	MP3C	7	-40.4	2
87	MP3C	Mx	007	2
88	MP3C	X	69.975	4

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
89	MP3C	Z	-40.4	4
90	MP3C	Mx	007	4
91	MP1A	Х	42.618	2
92	MP1A	Z	-24.606	2
93	MP1A	Mx	.014	2
94	MP1B	Х	42.618	2
95	MP1B	Z	-24.606	2
96	MP1B	Mx	014	2
97	MP1C	Х	56.723	2
98	MP1C	Z	-32.749	2
99	MP1C	Mx	0	2
100	MP2A	Х	40.059	2
101	MP2A	Z	-23.128	2
102	MP2A	Mx	.013	2
103	MP2B	Х	40.059	2
104	MP2B	Z	-23.128	2
105	MP2B	Mx	013	2
106	MP2C	Х	56.723	2
107	MP2C	Z	-32.749	2
108	MP2C	Mx	0	2
109	OVP	Х	115.854	1
110	OVP	Z	-66.888	1
111	OVP	Mx	.039	1

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	107.85	.25
2	MP1A	Z	0	.25
3	MP1A	Mx	054	.25
4	MP1A	Х	107.85	5.75
5	MP1A	Z	0	5.75
6	MP1A	Mx	054	5.75
7	MP1B	Х	109.677	.25
8	MP1B	Z	0	.25
9	MP1B	Mx	.052	.25
10	MP1B	Х	109.677	5.75
11	MP1B	Z	0	5.75
12	MP1B	Mx	.052	5.75
13	MP1C	Х	121.639	.25
14	MP1C	Z	0	.25
15	MP1C	Mx	.021	.25
16	MP1C	Х	121.639	5.75
17	MP1C	Z	0	5.75
18	MP1C	Mx	.021	5.75
19	MP4A	Х	107.85	.25
20	MP4A	Z	0	.25
21	MP4A	Mx	054	.25
22	MP4A	Х	107.85	5.75
23	MP4A	Z	0	5.75
24	MP4A	Mx	054	5.75
25	MP4B	Х	109.677	.25
26	MP4B	Z	0	.25
27	MP4B	Mx	.052	.25
28	MP4B	Х	109.677	5.75
29	MP4B	Z	0	5.75
30	MP4B	Mx	.052	5.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
31	MP4C	X	121.639	.25
32	MP4C	Z	0	.25
33	MP4C	Mx	.021	.25
34	MP4C	<u> </u>	121.639	5.75
35	MP4C	Z	0	5.75
36	MP4C	Mx	.021	5.75
37	MP2A	<u> </u>	94.504	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	047	.5
40	MP2A	<u> </u>	94.504	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	047	5.5
43	MP2B	<u> </u>	100.166	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	.029	.5
46	MP2B	<u> </u>	100.166	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	.029	5.5
49	MP2C	<u> </u>	137.243	.5
50	MP2C	<u> </u>	0	.5
51	MP2C	Mx	.093	.5
52	MP2C	<u> </u>	137.243	5.5
53	MP2C	<u> </u>	0	5.5
54	MP2C	Mx	.093	5.5
55	MP2A	X	94.504	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	047	.5
58	MP2A	<u> </u>	94.504	5.5
59	MP2A	<u> </u>	0	5.5
60	MP2A	Mx	047	5.5
61	MP2B	<u> </u>	100.166	.5
62	MP2B	Z	0	.5
63	MP2B	Mx	.066	.5
64	MP2B	<u> </u>	100.166	5.5
65	MP2B	<u>Z</u>	0	5.5
66	MP2B	Mx	.066	5.5
67	MP2C	<u> </u>	137.243	.5
68	MP2C	<u> </u>	0	.5
69	MP2C	MX	046	.5
70	MP2C	<u> </u>	137.243	5.5
71	MP2C		0	5.5
72	MP20		040	5.5
73	NIP3A	X 7	32.224	2
74	MP3A		010	2
75	MP3A		016	2
70	MP3A	<u>∧</u> 7	32.224	4
70	MP3A		040	4
70	MP3A		016	4
19	IVIP3B	λ 7	38.083	2
80	IVIP3B		040	2
01	IVIP3B	IVIX	<u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u>	
82	NIP3B	<u>∧</u> 7	30.083	4
03	IVIP3B		U 019	4
04	IVIE3D		.010	4
60	NIP30	λ 7	10.452	2
00	MD2C		042	2
0/		IVIX	.013	Ζ

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
88	MP3C	Х	76.452	4
89	MP3C	Z	0	4
90	MP3C	Mx	.013	4
91	MP1A	Х	43.782	2
92	MP1A	Z	0	2
93	MP1A	Mx	.015	2
94	MP1B	Х	60.069	2
95	MP1B	Z	0	2
96	MP1B	Mx	01	2
97	MP1C	Х	60.069	2
98	MP1C	Z	0	2
99	MP1C	Mx	01	2
100	MP2A	Х	39.842	2
101	MP2A	Z	0	2
102	MP2A	Mx	.013	2
103	MP2B	Х	59.084	2
104	MP2B	Z	0	2
105	MP2B	Mx	01	2
106	MP2C	Х	59.084	2
107	MP2C	Z	0	2
108	MP2C	Mx	01	2
109	OVP	Х	142.205	1
110	OVP	Z	0	1
111	OVP	Mx	.047	1

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	96.782	.25
2	MP1A	Z	55.877	.25
3	MP1A	Mx	048	.25
4	MP1A	Х	96.782	5.75
5	MP1A	Z	55.877	5.75
6	MP1A	Mx	048	5.75
7	MP1B	Х	101.337	.25
8	MP1B	Z	58.507	.25
9	MP1B	Mx	.038	.25
10	MP1B	Х	101.337	5.75
11	MP1B	Z	58.507	5.75
12	MP1B	Mx	.038	5.75
13	MP1C	Х	98.989	.25
14	MP1C	Z	57.151	.25
15	MP1C	Mx	.044	.25
16	MP1C	Х	98.989	5.75
17	MP1C	Z	57.151	5.75
18	MP1C	Mx	.044	5.75
19	MP4A	Х	96.782	.25
20	MP4A	Z	55.877	.25
21	MP4A	Mx	048	.25
22	MP4A	Х	96.782	5.75
23	MP4A	Z	55.877	5.75
24	MP4A	Mx	048	5.75
25	MP4B	Х	101.337	.25
26	MP4B	Z	58.507	.25
27	MP4B	Mx	.038	.25
28	MP4B	Х	101.337	5.75
29	MP4B	Z	58.507	5.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
30	MP4B	Mx	.038	5.75
31	MP4C	X	98.989	.25
32	MP4C	Z	57.151	.25
33	MP4C	Mx	.044	.25
34	MP4C	X	98.989	5.75
35	MP4C	Z	57.151	5.75
36	MP4C	Mx	.044	5.75
37	MP2A	X	92.322	.5
38	MP2A	Z	53.302	.5
39	MP2A	Mx	017	.5
40	MP2A	Х	92.322	5.5
41	MP2A	Z	53.302	5.5
42	MP2A	Mx	017	5.5
43	MP2B	X	106.441	.5
44	MP2B	Z	61.454	.5
45	MP2B	Mx	011	.5
46	MP2B	X	106.441	5.5
47	MP2B	Z	61.454	5.5
48	MP2B	Mx	011	5.5
49	MP2C	Х	99.162	.5
50	MP2C	Z	57.251	.5
51	MP2C	Mx	.084	.5
52	MP2C	X	99.162	5.5
53	MP2C	Z	57.251	5.5
54	MP2C	Mx	.084	5.5
55	MP2A	X	92 322	5
56	MP2A	7	53 302	5
57	MP2A	Mx	- 075	
58	MP2A	X	92 322	5.5
59	MP2A	7	53 302	5.5
60	MP2A	Mx	- 075	5.5
61	MP2B	X	106 441	5
62	MP2B	7	61 454	
63	MP2B	Mx	091	.0
64	MP2B	X	106 441	55
65	MP2B	7	61 454	5.5
66	MP2B	Mx	091	5.5
67	MP2C	X	99 162	5
68	MP2C	7	57 251	
69	MP2C	My	004	
70	MP2C	X	99 162	5.5
71	MP2C	7	57 251	5.5
72	MP2C	My	004	5.5
73	MP3A	X	38 751	2
74	MP3A	7	22 373	2
75	MP3A	My	_ 010	2
76	MD3V	VIA Y	38 751	
77	MD2A	7	20.731	4
78	MD2A		010	4
70			018 52.261	4
19			20.000	2
00			30.000	2
81		IVIX	.02	
02	MD2D	λ 7	20,000	4
83			30.808	4
84	MP3B	IVIX	.02	4
85	MP3C	<u> </u>	45.829	2
86	MP3C	Z	26.459	2

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
87	MP3C	Mx	.02	2
88	MP3C	Х	45.829	4
89	MP3C	Z	26.459	4
90	MP3C	Mx	.02	4
91	MP1A	Х	42.618	2
92	MP1A	Z	24.606	2
93	MP1A	Mx	.014	2
94	MP1B	Х	56.723	2
95	MP1B	Z	32.749	2
96	MP1B	Mx	0	2
97	MP1C	Х	42.618	2
98	MP1C	Z	24.606	2
99	MP1C	Mx	014	2
100	MP2A	Х	40.059	2
101	MP2A	Z	23.128	2
102	MP2A	Mx	.013	2
103	MP2B	Х	56.723	2
104	MP2B	Z	32.749	2
105	MP2B	Mx	0	2
106	MP2C	Х	40.059	2
107	MP2C	Z	23.128	2
108	MP2C	Mx	013	2
109	OVP	Х	115.854	1
110	OVP	Z	66.888	1
111	OVP	Mx	.039	1

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	59.781	.25
2	MP1A	Z	103.544	.25
3	MP1A	Mx	03	.25
4	MP1A	Х	59.781	5.75
5	MP1A	Z	103.544	5.75
6	MP1A	Mx	03	5.75
7	MP1B	Х	61.498	.25
8	MP1B	Z	106.517	.25
9	MP1B	Mx	.011	.25
10	MP1B	Х	61.498	5.75
11	MP1B	Z	106.517	5.75
12	MP1B	Mx	.011	5.75
13	MP1C	Х	54.161	.25
14	MP1C	Z	93.809	.25
15	MP1C	Mx	.053	.25
16	MP1C	Х	54.161	5.75
17	MP1C	Z	93.809	5.75
18	MP1C	Mx	.053	5.75
19	MP4A	Х	59.781	.25
20	MP4A	Z	103.544	.25
21	MP4A	Mx	03	.25
22	MP4A	Х	59.781	5.75
23	MP4A	Z	103.544	5.75
24	MP4A	Mx	03	5.75
25	MP4B	Х	61.498	.25
26	MP4B	Z	106.517	.25
27	MP4B	Mx	.011	.25
28	MP4B	Х	61.498	5.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
29	MP4B	Z	106.517	5.75
30	MP4B	Mx	.011	5.75
31	MP4C	X	54.161	.25
32	MP4C	Z	93.809	.25
33	MP4C	Mx	.053	.25
34	MP4C	X	54.161	5.75
35	MP4C	Z	93.809	5.75
36	MP4C	Mx	.053	5.75
37	MP2A	X	65.402	.5
38	MP2A	Z	113.28	.5
39	MP2A	Mx	.029	.5
40	MP2A	X	65.402	5.5
41	MP2A	Z	113.28	5.5
42	MP2A	Mx	.029	5.5
43	MP2B	X	70.723	.5
44	MP2B	Z	122.496	.5
45	MP2B	Mx	063	.5
46	MP2B	X	70.723	5.5
47	MP2B	Z	122.496	5.5
48	MP2B	Mx	063	5.5
49	MP2C	X	47.982	.5
50	MP2C	Z	83.107	.5
51	MP2C	Mx	.056	.5
52	MP2C	X	47.982	5.5
53	MP2C	Z	83.107	5.5
54	MP2C	Mx	.056	5.5
55	MP2A	X	65.402	.5
56	MP2A	Z	113.28	.5
57	MP2A	Mx	094	.5
58	MP2A	X	65.402	5.5
59	MP2A	Z	113.28	5.5
60	MP2A	Mx	094	5.5
61	MP2B	X	70.723	.5
62	MP2B	Z	122.496	.5
63	MP2B	Mx	.088	.5
64	MP2B	X	70.723	5.5
65	MP2B	Z	122.496	5.5
66	MP2B	Mx	.088	5.5
67	MP2C	X	47.982	.5
68	MP2C	Z	83.107	.5
69	MP2C	Mx	.038	.5
70	MP2C	Х	47.982	5.5
71	MP2C	Z	83.107	5.5
72	MP2C	Mx	.038	5.5
73	MP3A	X	34.895	2
74	MP3A	Z	60.439	2
75	MP3A	Mx	017	2
76	MP3A	Х	34.895	4
77	MP3A	Z	60.439	4
78	MP3A	Mx	017	4
79	MP3B	X	40.4	2
80	MP3B	Z	69.975	2
81	MP3B	Mx	.007	2
82	MP3B	Х	40.4	4
83	MP3B	Z	69.975	4
84	MP3B	Mx	.007	4
85	MP3C	X	16.867	2

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
86	MP3C	Z	29.215	2
87	MP3C	Mx	.017	2
88	MP3C	Х	16.867	4
89	MP3C	Z	29.215	4
90	MP3C	Mx	.017	4
91	MP1A	Х	30.035	2
92	MP1A	Z	52.021	2
93	MP1A	Mx	.01	2
94	MP1B	Х	30.035	2
95	MP1B	Z	52.021	2
96	MP1B	Mx	.01	2
97	MP1C	Х	21.891	2
98	MP1C	Z	37.917	2
99	MP1C	Mx	015	2
100	MP2A	Х	29.542	2
101	MP2A	Z	51.168	2
102	MP2A	Mx	.01	2
103	MP2B	Х	29.542	2
104	MP2B	Z	51.168	2
105	MP2B	Mx	.01	2
106	MP2C	Х	19.921	2
107	MP2C	Z	34.504	2
108	MP2C	Mx	013	2
109	OVP	Х	58.46	1
110	OVP	Z	101.256	1
111	OVP	Mx	.019	1

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	0	.25
2	MP1A	Z	123.466	.25
3	MP1A	Mx	0	.25
4	MP1A	Х	0	5.75
5	MP1A	Z	123.466	5.75
6	MP1A	Mx	0	5.75
7	MP1B	Х	0	.25
8	MP1B	Z	121.639	.25
9	MP1B	Mx	021	.25
10	MP1B	Х	0	5.75
11	MP1B	Z	121.639	5.75
12	MP1B	Mx	021	5.75
13	MP1C	Х	0	.25
14	MP1C	Z	109.677	.25
15	MP1C	Mx	.052	.25
16	MP1C	Х	0	5.75
17	MP1C	Z	109.677	5.75
18	MP1C	Mx	.052	5.75
19	MP4A	Х	0	.25
20	MP4A	Z	123.466	.25
21	MP4A	Mx	0	.25
22	MP4A	Х	0	5.75
23	MP4A	Z	123.466	5.75
24	MP4A	Mx	0	5.75
25	MP4B	Х	0	.25
26	MP4B	Z	121.639	.25
27	MP4B	Mx	021	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
28	MP4B	X	0	5.75
29	MP4B	Z	121.639	5.75
30	MP4B	Mx	021	5.75
31	MP4C	X	0	.25
32	MP4C	Z	109.677	.25
33	MP4C	Mx	.052	.25
34	MP4C	Х	0	5.75
35	MP4C	Z	109.677	5.75
36	MP4C	Mx	.052	5.75
37	MP2A	X	0	.5
38	MP2A	Z	142,905	.5
39	MP2A	Mx	.077	.5
40	MP2A	X	0	5.5
41	MP2A	Z	142,905	5.5
42	MP2A	Mx	.077	5.5
43	MP2B	X	0	.5
44	MP2B	7	137 243	5
45	MP2B	Mx	- 093	5
46	MP2B	X	0	5.5
47	MP2B	Z	137,243	5.5
48	MP2B	Mx	- 093	5.5
49	MP2C	X	0	5
50	MP2C	7	100 166	.0
51	MP2C	Mx	029	
52	MP2C	X	0	55
53	MP2C	7	100 166	5.5
54	MP2C		029	5.5
55	MP24	X	0	5
56	MP2A		142 905	
57	MP2A		_ 077	.5
58	MP2A	X	017	.5
50	MP2A		1/2 005	5.5
60	MD2A		077	5.5
61	MP2B		017	5
62	MD2R	7	127.242	.5
62	MD2R		046	.5
64			.040	.5
65		7	127.242	5.5
66			046	5.5
67			.040	5.5
68	MD2C	7	100 166	.5
60	MD2C		066	.5
70	MD2C		.000	.5
70	MP2C	7	100 166	5.5
72	MP2C		066	5.5
72			.000	0.0
73	IVIESA	~ ~ ~	0 211	2
74	MD2A		02.311	2
15	IVIP3A		0	
70		7	00.244	4
70			δ2.311	4
78	MP3A	IVIX	0	4
/9	MP3B	X	0	2
80	MP3B		/6.452	2
81	MP3B	MX	013	2
82	MP3B	X	0	4
83	MP3B	Z	76.452	4
84	MP3B	Mx	013	4

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
85	MP3C	Х	0	2
86	MP3C	Z	38.083	2
87	MP3C	Mx	.018	2
88	MP3C	Х	0	4
89	MP3C	Z	38.083	4
90	MP3C	Mx	.018	4
91	MP1A	Х	0	2
92	MP1A	Z	65.498	2
93	MP1A	Mx	0	2
94	MP1B	Х	0	2
95	MP1B	Z	49.211	2
96	MP1B	Mx	.014	2
97	MP1C	Х	0	2
98	MP1C	Z	49.211	2
99	MP1C	Mx	014	2
100	MP2A	Х	0	2
101	MP2A	Z	65.498	2
102	MP2A	Mx	0	2
103	MP2B	Х	0	2
104	MP2B	Z	46.256	2
105	MP2B	Mx	.013	2
106	MP2C	Х	0	2
107	MP2C	Z	46.256	2
108	MP2C	Mx	013	2
109	OVP	Х	0	1
110	OVP	Z	108.492	1
111	OVP	Mx	0	1

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	-59.781	.25
2	MP1A	Z	103.544	.25
3	MP1A	Mx	.03	.25
4	MP1A	Х	-59.781	5.75
5	MP1A	Z	103.544	5.75
6	MP1A	Mx	.03	5.75
7	MP1B	Х	-57.151	.25
8	MP1B	Z	98.989	.25
9	MP1B	Mx	044	.25
10	MP1B	Х	-57.151	5.75
11	MP1B	Z	98.989	5.75
12	MP1B	Mx	044	5.75
13	MP1C	Х	-58.507	.25
14	MP1C	Z	101.337	.25
15	MP1C	Mx	.038	.25
16	MP1C	Х	-58.507	5.75
17	MP1C	Z	101.337	5.75
18	MP1C	Mx	.038	5.75
19	MP4A	Х	-59.781	.25
20	MP4A	Z	103.544	.25
21	MP4A	Mx	.03	.25
22	MP4A	Х	-59.781	5.75
23	MP4A	Z	103.544	5.75
24	MP4A	Mx	.03	5.75
25	MP4B	Х	-57.151	.25
26	MP4B	Z	98.989	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
27	MP4B	Mx	044	.25
28	MP4B	X	-57.151	5.75
29	MP4B	Z	98.989	5.75
30	MP4B	Mx	044	5.75
31	MP4C	X	-58.507	.25
32	MP4C	Z	101.337	.25
33	MP4C	Mx	.038	.25
34	MP4C	X	-58.507	5.75
35	MP4C	Z	101.337	5.75
36	MP4C	Mx	.038	5.75
37	MP2A	X	-65.402	.5
38	MP2A	Z	113.28	.5
39	MP2A	Mx	.094	.5
40	MP2A	X	-65.402	5.5
41	MP2A	Z	113.28	5.5
42	MP2A	Mx	.094	5.5
43	MP2B	X	-57.251	.5
44	MP2B	Z	99.162	.5
45	MP2B	Mx	084	.5
46	MP2B	X	-57.251	5.5
47	MP2B	Z	99.162	5.5
48	MP2B	Mx	084	5.5
49	MP2C	X	-61.454	.5
50	MP2C	Z	106.441	.5
51	MP2C	Mx	011	.5
52	MP2C	X	-61.454	5.5
53	MP2C	Z	106.441	5.5
54	MP2C	Mx	011	5.5
55	MP2A	X	-65.402	.5
56	MP2A	Z	113.28	.5
57	MP2A	Mx	029	.5
58	MP2A	X	-65.402	5.5
59	MP2A	Z	113.28	5.5
60	MP2A	Mx	029	5.5
61	MP2B	<u> </u>	-57.251	.5
62	MP2B	Z	99.162	.5
63	MP2B	Mx	004	.5
64	MP2B	<u> </u>	-57.251	5.5
65	MP2B	<u> </u>	99.162	5.5
66	MP2B	IVIX	004	5.5
60	MP2C	λ 7	-01.454	.5
00	MP2C		100.441	.5
09	MP2C	IVIX		.5
70	MP2C	∧ 7		0.0 E E
70	MD2C		100.441	3.3 F F
72			.091	5.5
74		7	-34.693	2
74			00.439	2
76			.017	
70		7	-34.093	4
70			017	4
70			.017	4
19	IVIP3D MD2D	∧ 7	-20.409	2
00 Q1	MD2R		40.029	2
01 82	MD2D		02	
02		7	-20.439	4
03	IVIFOD	۷	40.029	4
### Member Point Loads (BLC 10 : Antenna Wo (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
84	MP3B	Mx	02	4
85	MP3C	Х	-30.808	2
86	MP3C	Z	53.361	2
87	MP3C	Mx	.02	2
88	MP3C	Х	-30.808	4
89	MP3C	Z	53.361	4
90	MP3C	Mx	.02	4
91	MP1A	Х	-30.035	2
92	MP1A	Z	52.021	2
93	MP1A	Mx	01	2
94	MP1B	Х	-21.891	2
95	MP1B	Z	37.917	2
96	MP1B	Mx	.015	2
97	MP1C	Х	-30.035	2
98	MP1C	Z	52.021	2
99	MP1C	Mx	01	2
100	MP2A	Х	-29.542	2
101	MP2A	Z	51.168	2
102	MP2A	Mx	01	2
103	MP2B	Х	-19.921	2
104	MP2B	Z	34.504	2
105	MP2B	Mx	.013	2
106	MP2C	Х	-29.542	2
107	MP2C	Z	51.168	2
108	MP2C	Mx	01	2
109	OVP	Х	-58.46	1
110	OVP	Z	101.256	1
111	OVP	Mx	019	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	-96.782	.25
2	MP1A	Z	55.877	.25
3	MP1A	Mx	.048	.25
4	MP1A	Х	-96.782	5.75
5	MP1A	Z	55.877	5.75
6	MP1A	Mx	.048	5.75
7	MP1B	Х	-93.809	.25
8	MP1B	Z	54.161	.25
9	MP1B	Mx	053	.25
10	MP1B	Х	-93.809	5.75
11	MP1B	Z	54.161	5.75
12	MP1B	Mx	053	5.75
13	MP1C	Х	-106.517	.25
14	MP1C	Z	61.498	.25
15	MP1C	Mx	.011	.25
16	MP1C	Х	-106.517	5.75
17	MP1C	Z	61.498	5.75
18	MP1C	Mx	.011	5.75
19	MP4A	Х	-96.782	.25
20	MP4A	Z	55.877	.25
21	MP4A	Mx	.048	.25
22	MP4A	Х	-96.782	5.75
23	MP4A	Z	55.877	5.75
24	MP4A	Mx	.048	5.75
25	MP4B	Х	-93.809	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
26	MP4B	Z	54.161	.25
27	MP4B	Mx	053	.25
28	MP4B	X	-93.809	5.75
29	MP4B	Z	54.161	5.75
30	MP4B	Mx	053	5.75
31	MP4C	Х	-106.517	.25
32	MP4C	Z	61.498	.25
33	MP4C	Mx	.011	.25
34	MP4C	X	-106.517	5.75
35	MP4C	Z	61.498	5.75
36	MP4C	Mx	.011	5.75
37	MP2A	X	-92.322	.5
38	MP2A	Z	53.302	.5
39	MP2A	Mx	.075	.5
40	MP2A	X	-92.322	5.5
41	MP2A	Z	53.302	5.5
42	MP2A	Mx	.075	5.5
43	MP2B	X	-83 107	5
44	MP2B	Z	47.982	.5
45	MP2B	Mx	- 056	5
46	MP2B	X	-83 107	5 5
40	MP2B	7	47 982	5.5
48	MP2B	Mx	- 056	5.5
40	MP2C	X	-122 496	5
50	MP2C	7	70 723	.5
51	MP2C	<u> </u>	063	.5
52	MP2C		003	.5
52		7	-122.490	5.5
54	MD2C		063	5.5
55	MD2A		003	5.5
55			-92.322	.5
50			017	.5
57			.017	.5
50			-92.322	5.5
59			53.302	5.5
60	MPZA	NX		5.5
61	MP2B	X	-83.107	.5
62	MP2B	<u> </u>	47.982	.5
63	MP2B	MX	038	.5
64	MP2B	<u> </u>	-83.107	5.5
65	MP2B	Ζ	47.982	5.5
66	MP2B	IVIX	038	5.5
6/	MP2C	X	-122.496	.5
68	MP2C	2	/0./23	.5
69	MP2C	MX	.088	.5
70	MP2C	X	-122.496	5.5
71	MP2C	Z	70.723	5.5
72	MP2C	Mx	.088	5.5
73	MP3A	Х	-38.751	2
74	MP3A	Z	22.373	2
75	MP3A	Mx	.019	2
76	MP3A	Х	-38.751	4
77	MP3A	Z	22.373	4
78	MP3A	Mx	.019	4
79	MP3B	X	-29.215	2
80	MP3B	Z	16.867	2
81	MP3B	Mx	017	2
82	MP3B	Х	-29.215	4

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
83	MP3B	Z	16.867	4
84	MP3B	Mx	017	4
85	MP3C	Х	-69.975	2
86	MP3C	Z	40.4	2
87	MP3C	Mx	.007	2
88	MP3C	Х	-69.975	4
89	MP3C	Z	40.4	4
90	MP3C	Mx	.007	4
91	MP1A	Х	-42.618	2
92	MP1A	Z	24.606	2
93	MP1A	Mx	014	2
94	MP1B	Х	-42.618	2
95	MP1B	Z	24.606	2
96	MP1B	Mx	.014	2
97	MP1C	Х	-56.723	2
98	MP1C	Z	32.749	2
99	MP1C	Mx	0	2
100	MP2A	Х	-40.059	2
101	MP2A	Z	23.128	2
102	MP2A	Mx	013	2
103	MP2B	Х	-40.059	2
104	MP2B	Z	23.128	2
105	MP2B	Mx	.013	2
106	MP2C	Х	-56.723	2
107	MP2C	Z	32.749	2
108	MP2C	Mx	0	2
109	OVP	Х	-115.854	1
110	OVP	Z	66.888	1
111	OVP	Mx	039	1

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	-107.85	.25
2	MP1A	Z	0	.25
3	MP1A	Mx	.054	.25
4	MP1A	Х	-107.85	5.75
5	MP1A	Z	0	5.75
6	MP1A	Mx	.054	5.75
7	MP1B	Х	-109.677	.25
8	MP1B	Z	0	.25
9	MP1B	Mx	052	.25
10	MP1B	Х	-109.677	5.75
11	MP1B	Z	0	5.75
12	MP1B	Mx	052	5.75
13	MP1C	Х	-121.639	.25
14	MP1C	Z	0	.25
15	MP1C	Mx	021	.25
16	MP1C	Х	-121.639	5.75
17	MP1C	Z	0	5.75
18	MP1C	Mx	021	5.75
19	MP4A	Х	-107.85	.25
20	MP4A	Z	0	.25
21	MP4A	Mx	.054	.25
22	MP4A	Х	-107.85	5.75
23	MP4A	Z	0	5.75
24	MP4A	Mx	.054	5.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
25	MP4B	Х	-109.677	.25
26	MP4B	Z	0	.25
27	MP4B	Mx	052	.25
28	MP4B	X	-109.677	5.75
29	MP4B	Z	0	5.75
30	MP4B	Mx	052	5.75
31	MP4C	X	-121.639	.25
32	MP4C	Z	0	.25
33	MP4C	Mx	021	.25
34	MP4C	X	-121.639	5.75
35	MP4C	Z	0	5.75
36	MP4C	Mx	021	5.75
37	MP2A	X	-94.504	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.047	.5
40	MP2A	X	-94.504	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	.047	5.5
43	MP2B	X	-100.166	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	029	.5
46	MP2B	X	-100.166	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	029	5.5
49	MP2C	<u> </u>	-137.243	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	093	.5
52	MP2C	<u> </u>	-137.243	5.5
53	MP2C	<u> </u>	0	5.5
54	MP2C	Mx	093	5.5
55	MP2A	<u> </u>	-94.504	.5
56	MP2A	<u> </u>	0	.5
57	MP2A	Mx	.047	.5
58	MP2A	X	-94.504	5.5
59	MP2A	<u> </u>	0	5.5
60	MP2A	MX	.047	5.5
61	MP2B	<u> </u>	-100.166	.5
62	MP2B		0	.5
63			000	.5
04 6E		7	- 100.166	5.5
00			U	5.5
67			000	0.0 E
62	MD2C	7	-137.243	.5
60	MD2C		046	.5
70			.040	.5
70		7	-137.243	0.0 E E
70			046	5.5
72			20.00/	0.0
7.	MD2A	∧ 7	-32.224	2
75	MD2A		016	2
75			.010	
70		7	-32.224	4
78			016	4
70		IVIX Y	38 083	4
80		7	-30.003	2
Q1			010	2
	IVIFOD	IVIX	010	Δ

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
82	MP3B	Х	-38.083	4
83	MP3B	Z	0	4
84	MP3B	Mx	018	4
85	MP3C	Х	-76.452	2
86	MP3C	Z	0	2
87	MP3C	Mx	013	2
88	MP3C	Х	-76.452	4
89	MP3C	Z	0	4
90	MP3C	Mx	013	4
91	MP1A	Х	-43.782	2
92	MP1A	Z	0	2
93	MP1A	Mx	015	2
94	MP1B	Х	-60.069	2
95	MP1B	Z	0	2
96	MP1B	Mx	.01	2
97	MP1C	Х	-60.069	2
98	MP1C	Z	0	2
99	MP1C	Mx	.01	2
100	MP2A	Х	-39.842	2
101	MP2A	Z	0	2
102	MP2A	Mx	013	2
103	MP2B	Х	-59.084	2
104	MP2B	Z	0	2
105	MP2B	Mx	.01	2
106	MP2C	Х	-59.084	2
107	MP2C	Z	0	2
108	MP2C	Mx	.01	2
109	OVP	Х	-142.205	1
110	OVP	Z	0	1
111	OVP	Mx	047	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	-96.782	.25
2	MP1A	Z	-55.877	.25
3	MP1A	Mx	.048	.25
4	MP1A	Х	-96.782	5.75
5	MP1A	Z	-55.877	5.75
6	MP1A	Mx	.048	5.75
7	MP1B	Х	-101.337	.25
8	MP1B	Z	-58.507	.25
9	MP1B	Mx	038	.25
10	MP1B	Х	-101.337	5.75
11	MP1B	Z	-58.507	5.75
12	MP1B	Mx	038	5.75
13	MP1C	Х	-98.989	.25
14	MP1C	Z	-57.151	.25
15	MP1C	Mx	044	.25
16	MP1C	Х	-98.989	5.75
17	MP1C	Z	-57.151	5.75
18	MP1C	Mx	044	5.75
19	MP4A	Х	-96.782	.25
20	MP4A	Z	-55.877	.25
21	MP4A	Mx	.048	.25
22	MP4A	Х	-96.782	5.75
23	MP4A	Z	-55.877	5.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
24	MP4A	Mx	.048	5.75
25	MP4B	X	-101.337	.25
26	MP4B	Z	-58.507	.25
27	MP4B	Mx	038	.25
28	MP4B	X	-101.337	5.75
29	MP4B	Z	-58.507	5.75
30	MP4B	Mx	038	5.75
31	MP4C	X	-98.989	.25
32	MP4C	Z	-57.151	.25
33	MP4C	Mx	044	.25
34	MP4C	X	-98.989	5.75
35	MP4C	Z	-57.151	5.75
36	MP4C	Mx	044	5.75
37	MP2A	X	-92.322	.5
38	MP2A	Z	-53.302	.5
39	MP2A	Mx	.017	.5
40	MP2A	X	-92.322	5.5
41	MP2A	Z	-53.302	5.5
42	MP2A	Mx	.017	5.5
43	MP2B	X	-106.441	.5
44	MP2B	Z	-61.454	.5
45	MP2B	Mx	.011	.5
46	MP2B	X	-106.441	5.5
47	MP2B	Z	-61.454	5.5
48	MP2B	Mx	.011	5.5
49	MP2C	X	-99 162	5
50	MP2C	7	-57 251	5
51	MP2C	Mx	- 084	
52	MP2C	X	-99 162	5.5
53	MP2C	7	-57 251	5.5
54	MP2C	Mx	- 084	5.5
55	MP2A	X	-92 322	5
56	MP2A	7	-53 302	.0
57	MP2A	Mx	075	
58	MP2A	X	-92 322	55
59	MP2A	7	-53.302	5.5
60	MP2A	Mx	075	5.5
61	MP2B	X	-106.441	5
62	MP2B	7	-61 454	
63	MP2B	Mx	- 091	
64	MP2R	X	-106 441	5.5
65	MP2B	7	-61 454	5.5
66	MP2R	Mx	- 091	5.5
67	MP2C	X	-99 162	5
68	MP2C	7	-57 251	5
69	MP2C	Mx	- 004	
70	MP2C	X		5.5
71	MP2C	7	_57 251	5.5
72	MP2C	My	- 004	5.5
72	MP3A	X		0.0
7.4	MD2A	7	-00.701	2
75			-22.373	2
70			.019	
70		7	-30./51	4
70			-22.3/3	4
70		IVIX	.019	4
79	IVIP3B	λ 7	-53.301	2
08	IVIP3B	L	-30.808	Ζ

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
81	MP3B	Mx	02	2
82	MP3B	Х	-53.361	4
83	MP3B	Z	-30.808	4
84	MP3B	Mx	02	4
85	MP3C	Х	-45.829	2
86	MP3C	Z	-26.459	2
87	MP3C	Mx	02	2
88	MP3C	Х	-45.829	4
89	MP3C	Z	-26.459	4
90	MP3C	Mx	02	4
91	MP1A	Х	-42.618	2
92	MP1A	Z	-24.606	2
93	MP1A	Mx	014	2
94	MP1B	Х	-56.723	2
95	MP1B	Z	-32.749	2
96	MP1B	Mx	0	2
97	MP1C	Х	-42.618	2
98	MP1C	Z	-24.606	2
99	MP1C	Mx	.014	2
100	MP2A	Х	-40.059	2
101	MP2A	Z	-23.128	2
102	MP2A	Mx	013	2
103	MP2B	Х	-56.723	2
104	MP2B	Z	-32.749	2
105	MP2B	Mx	0	2
106	MP2C	Х	-40.059	2
107	MP2C	Z	-23.128	2
108	MP2C	Mx	.013	2
109	OVP	Х	-115.854	1
110	OVP	Z	-66.888	1
111	OVP	Mx	039	1

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	-59.781	.25
2	MP1A	Z	-103.544	.25
3	MP1A	Mx	.03	.25
4	MP1A	Х	-59.781	5.75
5	MP1A	Z	-103.544	5.75
6	MP1A	Mx	.03	5.75
7	MP1B	Х	-61.498	.25
8	MP1B	Z	-106.517	.25
9	MP1B	Mx	011	.25
10	MP1B	Х	-61.498	5.75
11	MP1B	Z	-106.517	5.75
12	MP1B	Mx	011	5.75
13	MP1C	Х	-54.161	.25
14	MP1C	Z	-93.809	.25
15	MP1C	Mx	053	.25
16	MP1C	Х	-54.161	5.75
17	MP1C	Z	-93.809	5.75
18	MP1C	Mx	053	5.75
19	MP4A	Х	-59.781	.25
20	MP4A	Z	-103.544	.25
21	MP4A	Mx	.03	.25
22	MP4A	Х	-59.781	5.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
23	MP4A	Z	-103.544	5.75
24	MP4A	Mx	.03	5.75
25	MP4B	X	-61.498	.25
26	MP4B	Z	-106.517	.25
27	MP4B	Mx	011	.25
28	MP4B	X	-61.498	5.75
29	MP4B	Z	-106.517	5.75
30	MP4B	Mx	011	5.75
31	MP4C	X	-54.161	.25
32	MP4C	Z	-93.809	.25
33	MP4C	Mx	053	.25
34	MP4C	X	-54.161	5.75
35	MP4C	Z	-93.809	5.75
36	MP4C	Mx	053	5.75
37	MP2A	X	-65.402	.5
38	MP2A	Z	-113.28	.5
39	MP2A	Mx	029	.5
40	MP2A	X	-65.402	5.5
41	MP2A	Z	-113.28	5.5
42	MP2A	Mx	029	5.5
43	MP2B	X	-70.723	.5
44	MP2B	Z	-122.496	.5
45	MP2B	Mx	.063	.5
46	MP2B	X	-70.723	5.5
47	MP2B	Z	-122.496	5.5
48	MP2B	Mx	.063	5.5
49	MP2C	X	-47.982	.5
50	MP2C	Z	-83.107	.5
51	MP2C	Mx	056	.5
52	MP2C	<u> </u>	-47.982	5.5
53	MP2C	Z	-83.107	5.5
54	MP2C	Mx	056	5.5
55	MP2A	X	-65.402	.5
56	MP2A		-113.28	.5
57	MP2A	Mx	.094	.5
58	MP2A	<u> </u>	-65.402	5.5
59	MP2A	<u> </u>	-113.28	5.5
60	MP2A	MX	.094	5.5
61	MP2B	<u> </u>	-70.723	.5
02	MD2D		-122.490	.5
03			U00	.5
04		7	-70.723	5.5
60			-122.490	5.5
67			000	0.0 E
69		7	-41.902	.5
60	IVIEZO MD2C		-03.107	.5
70			U30	.5
70		7	-41.902	0.0 E E
70			-03.107	5.5
72			030	0.0
74		~ 7	-34.695	2
74			-00.439	2
10			.01/	
70		7	-34.090	4
70			-00.439	4
70			.017	4
19	IVIFSD	<b>^</b>	-40.4	Δ

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
80	MP3B	Z	-69.975	2
81	MP3B	Mx	007	2
82	MP3B	Х	-40.4	4
83	MP3B	Z	-69.975	4
84	MP3B	Mx	007	4
85	MP3C	Х	-16.867	2
86	MP3C	Z	-29.215	2
87	MP3C	Mx	017	2
88	MP3C	Х	-16.867	4
89	MP3C	Z	-29.215	4
90	MP3C	Mx	017	4
91	MP1A	Х	-30.035	2
92	MP1A	Z	-52.021	2
93	MP1A	Mx	01	2
94	MP1B	Х	-30.035	2
95	MP1B	Z	-52.021	2
96	MP1B	Mx	01	2
97	MP1C	Х	-21.891	2
98	MP1C	Z	-37.917	2
99	MP1C	Mx	.015	2
100	MP2A	Х	-29.542	2
101	MP2A	Z	-51.168	2
102	MP2A	Mx	01	2
103	MP2B	Х	-29.542	2
104	MP2B	Z	-51.168	2
105	MP2B	Mx	01	2
106	MP2C	Х	-19.921	2
107	MP2C	Z	-34.504	2
108	MP2C	Mx	.013	2
109	OVP	Х	-58.46	1
110	OVP	Z	-101.256	1
111	OVP	Mx	019	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	0	.25
2	MP1A	Z	-22.666	.25
3	MP1A	Mx	0	.25
4	MP1A	Х	0	5.75
5	MP1A	Z	-22.666	5.75
6	MP1A	Mx	0	5.75
7	MP1B	Х	0	.25
8	MP1B	Z	-22.377	.25
9	MP1B	Mx	.004	.25
10	MP1B	Х	0	5.75
11	MP1B	Z	-22.377	5.75
12	MP1B	Mx	.004	5.75
13	MP1C	Х	0	.25
14	MP1C	Z	-20.485	.25
15	MP1C	Mx	01	.25
16	MP1C	Х	0	5.75
17	MP1C	Z	-20.485	5.75
18	MP1C	Mx	01	5.75
19	MP4A	Х	0	.25
20	MP4A	Z	-22.666	.25
21	MP4A	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
22	MP4A	X	0	5.75
23	MP4A	Z	-22.666	5.75
24	MP4A	Mx	0	5.75
25	MP4B	<u> </u>	0	.25
26	MP4B	Z	-22.377	.25
27	MP4B	Mx	.004	.25
28	MP4B	X	0	5.75
29	MP4B	Z	-22.377	5.75
30	MP4B	Mx	.004	5.75
31	MP4C	X	0	.25
32	MP4C	Z	-20.485	.25
33	MP4C	Mx	01	.25
34	MP4C	<u> </u>	0	5.75
35	MP4C	Z	-20.485	5.75
36	MP4C	Mx	01	5.75
37	<u>MP2A</u>	<u> </u>	0	.5
38	MP2A	Z	-26.023	.5
39	MP2A	Mx	014	.5
40	MP2A	<u> </u>	0	5.5
41	MP2A	Z	-26.023	5.5
42	MP2A	Mx	014	5.5
43	MP2B	X	0	.5
44	MP2B	Z	-25.078	.5
45	MP2B	Mx	.017	.5
46	MP2B	<u> </u>	0	5.5
47	MP2B	Z	-25.078	5.5
48	MP2B	Mx	.017	5.5
49	MP2C	X	0	.5
50	MP2C	Z	-18.888	.5
51	MP2C	MX	005	.5
52	MP2C	<u> </u>	0	5.5
53	MP2C	<u> </u>	-18.888	5.5
54	MP2C	Mx	005	5.5
55	MP2A	<u> </u>	0	.5
50	MP2A		-26.023	.5
57	MP2A	MX	.014	.5
58	MPZA	<u> </u>	0	5.5
59	MP2A		-26.023	5.5
60	MP2A		.014	5.5
62		7	25.079	.0
62			-23.078	.0
03			008	.0
65		7	25.079	5.5
66			-23.070	5.5
67	MD2C		000	5.5
62	MD2C	7	10 000	.5
60	MP2C		-10.000	.5
70	MD2C		012	.5
70	MP2C	7	10 000	5.5
72			- 10.000	5.5
72			012	0.0
73	MD2A	7	15 252	2
75	MD2A		-10.000	2
76	MD2A		0	
70	MD2A	7	15 252	4
79	MD2A		- 10.000	4
10	IVIFSA	IVIX	U	4

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
79	MP3B	Х	0	2
80	MP3B	Z	-14.322	2
81	MP3B	Mx	.002	2
82	MP3B	Х	0	4
83	MP3B	Z	-14.322	4
84	MP3B	Mx	.002	4
85	MP3C	Х	0	2
86	MP3C	Z	-7.567	2
87	MP3C	Mx	004	2
88	MP3C	Х	0	4
89	MP3C	Z	-7.567	4
90	MP3C	Mx	004	4
91	MP1A	Х	0	2
92	MP1A	Z	-12.935	2
93	MP1A	Mx	0	2
94	MP1B	Х	0	2
95	MP1B	Z	-9.98	2
96	MP1B	Mx	003	2
97	MP1C	Х	0	2
98	MP1C	Z	-9.98	2
99	MP1C	Mx	.003	2
100	MP2A	Х	0	2
101	MP2A	Z	-12.935	2
102	MP2A	Mx	0	2
103	MP2B	Х	0	2
104	MP2B	Z	-9.448	2
105	MP2B	Mx	003	2
106	MP2C	Х	0	2
107	MP2C	Z	-9.448	2
108	MP2C	Mx	.003	2
109	OVP	Х	0	1
110	OVP	Z	-20.791	1
111	OVP	Mx	0	1

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	11.024	.25
2	MP1A	Z	-19.095	.25
3	MP1A	Mx	006	.25
4	MP1A	Х	11.024	5.75
5	MP1A	Z	-19.095	5.75
6	MP1A	Mx	006	5.75
7	MP1B	Х	10.609	.25
8	MP1B	Z	-18.375	.25
9	MP1B	Mx	.008	.25
10	MP1B	Х	10.609	5.75
11	MP1B	Z	-18.375	5.75
12	MP1B	Mx	.008	5.75
13	MP1C	Х	10.823	.25
14	MP1C	Z	-18.746	.25
15	MP1C	Mx	007	.25
16	MP1C	Х	10.823	5.75
17	MP1C	Z	-18.746	5.75
18	MP1C	Mx	007	5.75
19	MP4A	Х	11.024	.25
20	MP4A	Z	-19.095	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
21	MP4A	Mx	006	.25
22	MP4A	Х	11.024	5.75
23	MP4A	Z	-19.095	5.75
24	MP4A	Mx	006	5.75
25	MP4B	X	10.609	.25
26	MP4B	Z	-18.375	.25
27	MP4B	Mx	.008	.25
28	MP4B	X	10.609	5.75
29	MP4B	Z	-18.375	5.75
30	MP4B	Mx	.008	5.75
31	MP4C	X	10.823	.25
32	MP4C	Z	-18.746	.25
33	MP4C	Mx	007	.25
34	MP4C	X	10.823	5.75
35	MP4C	Z	-18.746	5.75
36	MP4C	Mx	007	5.75
37	MP2A	Х	12.001	.5
38	MP2A	Z	-20.787	.5
39	MP2A	Mx	017	.5
40	MP2A	X	12.001	5.5
41	MP2A	Z	-20.787	5.5
42	MP2A	Mx	017	5.5
43	MP2B	X	10.641	.5
44	MP2B	Z	-18.43	.5
45	MP2B	Mx	.016	.5
46	MP2B	Х	10.641	5.5
47	MP2B	Z	-18.43	5.5
48	MP2B	Mx	.016	5.5
49	MP2C	X	11.342	.5
50	MP2C	Z	-19.645	.5
51	MP2C	Mx	.002	.5
52	MP2C	X	11.342	5.5
53	MP2C	Z	-19.645	5.5
54	MP2C	Mx	.002	5.5
55	MP2A	X	12.001	.5
56	MP2A	Z	-20.787	.5
57	MP2A	Mx	.005	.5
58	MP2A	X	12.001	5.5
59	MP2A	Z	-20.787	5.5
60	MP2A	Mx	.005	5.5
61	MP2B	X	10.641	.5
62	MP2B	Z	-18.43	.5
63	MP2B	Mx	.000742	.5
64	MP2B	Х	10.641	5.5
65	MP2B	Z	-18.43	5.5
66	MP2B	Mx	.000742	5.5
67	MP2C	X	11.342	.5
68	MP2C	Z	-19.645	.5
69	MP2C	Mx	017	.5
70	MP2C	Х	11.342	5.5
71	MP2C	Z	-19.645	5.5
72	MP2C	Mx	017	5.5
73	MP3A	X	6.574	2
74	MP3A	Z	-11.387	2
75	MP3A	Mx	003	2
76	MP3A	Х	6.574	4
77	MP3A	<u>Z</u>	-11.387	4

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
78	MP3A	Mx	003	4
79	MP3B	Х	5.089	2
80	MP3B	Z	-8.815	2
81	MP3B	Mx	.004	2
82	MP3B	Х	5.089	4
83	MP3B	Z	-8.815	4
84	MP3B	Mx	.004	4
85	MP3C	Х	5.855	2
86	MP3C	Z	-10.141	2
87	MP3C	Mx	004	2
88	MP3C	Х	5.855	4
89	MP3C	Z	-10.141	4
90	MP3C	Mx	004	4
91	MP1A	Х	5.975	2
92	MP1A	Z	-10.349	2
93	MP1A	Mx	.002	2
94	MP1B	Х	4.497	2
95	MP1B	Z	-7.79	2
96	MP1B	Mx	003	2
97	MP1C	Х	5.975	2
98	MP1C	Z	-10.349	2
99	MP1C	Mx	.002	2
100	MP2A	Х	5.886	2
101	MP2A	Z	-10.195	2
102	MP2A	Mx	.002	2
103	MP2B	Х	4.143	2
104	MP2B	Z	-7.176	2
105	MP2B	Mx	003	2
106	MP2C	Х	5.886	2
107	MP2C	Z	-10.195	2
108	MP2C	Mx	.002	2
109	OVP	Х	11.12	1
110	OVP	Z	-19.261	1
111	OVP	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	18.025	.25
2	MP1A	Z	-10.407	.25
3	MP1A	Mx	009	.25
4	MP1A	Х	18.025	5.75
5	MP1A	Z	-10.407	5.75
6	MP1A	Mx	009	5.75
7	MP1B	Х	17.555	.25
8	MP1B	Z	-10.136	.25
9	MP1B	Mx	.01	.25
10	MP1B	Х	17.555	5.75
11	MP1B	Z	-10.136	5.75
12	MP1B	Mx	.01	5.75
13	MP1C	Х	19.565	.25
14	MP1C	Z	-11.296	.25
15	MP1C	Mx	002	.25
16	MP1C	Х	19.565	5.75
17	MP1C	Z	-11.296	5.75
18	MP1C	Mx	002	5.75
19	MP4A	Х	18.025	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
20	MP4A	Z	-10.407	.25
21	MP4A	Mx	009	.25
22	MP4A	<u> </u>	18.025	5.75
23	<u>MP4A</u>	Z	-10.407	5.75
24	MP4A	Mx	009	5.75
25	MP4B	X	17.555	.25
26	MP4B	Z	-10.136	.25
27	MP4B	Mx	.01	.25
28	MP4B	X	17.555	5.75
29	MP4B	Z	-10.136	5.75
30	MP4B	Mx	.01	5.75
31	MP4C	X	19.565	.25
32	MP4C	Z	-11.296	.25
33	MP4C	Mx	002	.25
34	MP4C	X	19.565	5.75
35	MP4C	Z	-11.296	5.75
36	MP4C	Mx	002	5.75
37	MP2A	<u>X</u>	17.288	.5
38	MP2A	Z	-9.981	.5
39	MP2A	Mx	014	.5
40	MP2A	<u> </u>	17.288	5.5
41	MP2A	<u> </u>	-9.981	5.5
42	MP2A	Mx	014	5.5
43	MP2B	X	15.749	.5
44	MP2B	Z	-9.093	.5
45	MP2B	Mx	.011	.5
46	MP2B	<u> </u>	15.749	5.5
47	MP2B	<u> </u>	-9.093	5.5
48	MP2B	Mx	.011	5.5
49	MP2C	<u> </u>	22.326	.5
50	MP2C	<u> </u>	-12.89	.5
51	MP2C	Mx	.012	.5
52	MP2C	<u> </u>	22.326	5.5
53	MP2C		-12.89	5.5
54	MP2C		.012	5.5
55	MP2A	<u> </u>	17.288	.5
56	MP2A	<u> </u>	-9.981	.5
57	MP2A		003	.5
58	MPZA	<u> </u>	17.288	5.5
59			-9.981	5.5
61	MD2P		003	5.5 E
62		<u>Λ</u> 7	10.749	.0
62			-9.093	.) E
64			.007	
65		7	0.002	5.5
66			-9.093	0.0 F F
67	MD2C		.007	5.5 E
62	MP2C		12 90	.0
60	MP2C		-12.09	.5
70	MD2C		010	.5
70	MP2C	7	12 00	5.5
72			-12.09	0.0 F F
72	MD2A		010	0.0
7.	MD2A	7	1.009	2
75	MD2A		-4.37	2
75	IVIE 3A		004	
/0	IVIP3A	A	600.1	4

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[ft.%]
77	MP3A	Z	-4.37	4
78	MP3A	Mx	004	4
79	MP3B	Х	5.891	2
80	MP3B	Z	-3.401	2
81	MP3B	Mx	.003	2
82	MP3B	Х	5.891	4
83	MP3B	Z	-3.401	4
84	MP3B	Mx	.003	4
85	MP3C	Х	13.066	2
86	MP3C	Z	-7.544	2
87	MP3C	Mx	001	2
88	MP3C	X	13.066	4
89	MP3C	Z	-7.544	4
90	MP3C	Mx	001	4
91	MP1A	X	8.643	2
92	MP1A	Z	-4.99	2
93	MP1A	Mx	.003	2
94	MP1B	X	8.643	2
95	MP1B	Z	-4.99	2
96	MP1B	Mx	003	2
97	MP1C	X	11,202	2
98	MP1C	Z	-6.467	2
99	MP1C	Mx	0	2
100	MP2A	X	8.182	2
101	MP2A	Z	-4.724	2
102	MP2A	Mx	.003	2
103	MP2B	X	8,182	2
104	MP2B	Z	-4.724	2
105	MP2B	Mx	003	2
106	MP2C	X	11,202	2
107	MP2C	Z	-6.467	2
108	MP2C	Mx	0	2
109	OVP	X	21,773	1
110	OVP	Z	-12.571	1
111	OVP	Mx	.007	1

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	20.197	.25
2	MP1A	Z	0	.25
3	MP1A	Mx	01	.25
4	MP1A	Х	20.197	5.75
5	MP1A	Z	0	5.75
6	MP1A	Mx	01	5.75
7	MP1B	Х	20.485	.25
8	MP1B	Z	0	.25
9	MP1B	Mx	.01	.25
10	MP1B	Х	20.485	5.75
11	MP1B	Z	0	5.75
12	MP1B	Mx	.01	5.75
13	MP1C	Х	22.377	.25
14	MP1C	Z	0	.25
15	MP1C	Mx	.004	.25
16	MP1C	Х	22.377	5.75
17	MP1C	Z	0	5.75
18	MP1C	Mx	.004	5.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
19	MP4A	X	20.197	.25
20	MP4A	Z	0	.25
21	MP4A	Mx	01	.25
22	MP4A	X	20.197	5.75
23	MP4A	Z	0	5.75
24	MP4A	Mx	01	5.75
25	MP4B	X	20.485	.25
26	MP4B	Z	0	.25
27	MP4B	Mx	.01	.25
28	MP4B	X	20.485	5.75
29	MP4B	Z	0	5.75
30	MP4B	Mx	.01	5.75
31	MP4C	Х	22.377	.25
32	MP4C	Z	0	.25
33	MP4C	Mx	.004	.25
34	MP4C	X	22.377	5.75
35	MP4C	Z	0	5.75
36	MP4C	Mx	.004	5.75
37	MP2A	X	17.942	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	- 009	5
40	MP2A	X	17 942	5.5
41	MP2A	7	0	5.5
42	MP2A	Mx	- 009	5.5
43	MP2B	X	18 888	5
40	MP2B	7	0	.0
45	MP2B		005	.9
46	MD2B		18.888	.5
40	MP2B		10.000	5.5
47	MD2B		005	5.5
40	MP2C		25.078	5
50	MP2C		23.070	.5
51	MP2C		017	.5
52	MP2C		25.078	.5
53	MP2C		23.070	5.5
54	MP2C		017	5.5
55	MP2A		17 0/2	5
56	MD2A		0	.5
57	MP2A			.5
58	MD2A		17 0/2	.5
50	MD2A	7	Λ 17.342	5.5
60	MP2A		000	5.5
61	MD2R	Y	18 888	5.5
62	MP2R	7	0	.5
63	MP2R		012	.5
64	MD2B		18 888	.5
65			10.000	5.5
66			012	5.5
67	MD2C		.012	5.5
69	MD2C	7	20.070	.5
60	MD20		000	.5
09		IVIX	008	.5
70	MP20	X 7	25.078	5.5
71	MP2C		U	5.5
72	MP20	IVIX	008	5.5
13	MP3A	X	6.536	2
74	MP3A	<u> </u>	0	2
15	MP3A	MX	003	2

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
76	MP3A	Х	6.536	4
77	MP3A	Z	0	4
78	MP3A	Mx	003	4
79	MP3B	Х	7.567	2
80	MP3B	Z	0	2
81	MP3B	Mx	.004	2
82	MP3B	Х	7.567	4
83	MP3B	Z	0	4
84	MP3B	Mx	.004	4
85	MP3C	Х	14.322	2
86	MP3C	Z	0	2
87	MP3C	Mx	.002	2
88	MP3C	Х	14.322	4
89	MP3C	Z	0	4
90	MP3C	Mx	.002	4
91	MP1A	Х	8.995	2
92	MP1A	Z	0	2
93	MP1A	Mx	.003	2
94	MP1B	Х	11.95	2
95	MP1B	Z	0	2
96	MP1B	Mx	002	2
97	MP1C	Х	11.95	2
98	MP1C	Z	0	2
99	MP1C	Mx	002	2
100	MP2A	Х	8.286	2
101	MP2A	Z	0	2
102	MP2A	Mx	.003	2
103	MP2B	Х	11.772	2
104	MP2B	Z	0	2
105	MP2B	Mx	002	2
106	MP2C	Х	11.772	2
107	MP2C	Z	0	2
108	MP2C	Mx	002	2
109	OVP	Х	26.591	1
110	OVP	Z	0	1
111	OVP	Mx	.009	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	18.025	.25
2	MP1A	Z	10.407	.25
3	MP1A	Mx	009	.25
4	MP1A	Х	18.025	5.75
5	MP1A	Z	10.407	5.75
6	MP1A	Mx	009	5.75
7	MP1B	Х	18.746	.25
8	MP1B	Z	10.823	.25
9	MP1B	Mx	.007	.25
10	MP1B	Х	18.746	5.75
11	MP1B	Z	10.823	5.75
12	MP1B	Mx	.007	5.75
13	MP1C	Х	18.375	.25
14	MP1C	Z	10.609	.25
15	MP1C	Mx	.008	.25
16	MP1C	Х	18.375	5.75
17	MP1C	Z	10.609	5.75

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

18         MP1C         Mx         008         5.75           19         MP4A         Z         10.407         .25           20         MP4A         Z         10.407         .25           21         MP4A         X         18.025         .5.75           22         MP4A         X         18.025         .5.75           23         MP4A         Z         10.407         .5.75           24         MP4B         X         18.746         .25           26         MP4B         X         18.746         .25           28         MP4B         X         18.746         .5.75           30         MP4B         Z         10.823         .5.75           31         MP4C         X         18.375         .2.5           33         MP4C         X         18.375         .5.75           34         MP4C         X         18.375         .5.75           35         MP4C         X         18.375         .5.75           36         MP4C         X         18.375         .5.75           37         MP4C         X         18.375         .5.5           38<		Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	18	MP1C	Mx	.008	5.75
	19	MP4A	X	18.025	.25
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20	MP4A	Z	10.407	.25
22         MP4A         X         18.025         5.75           23         MP4A         Z         10.407         5.75           24         MP4A         X         18.746         .25           26         MP4B         X         18.746         .25           27         MP4B         Mx         .007         .25           28         MP4B         Z         10.823         .5.75           30         MP4B         Z         10.823         .5.75           30         MP4B         Z         10.823         .5.75           31         MP4C         X         18.375         .25           32         MP4C         Mx         .008         .25           33         MP4C         Mx         .008         .25           34         MP4C         X         11.8375         .5.75           36         MP4C         X         .17.288         .5           37         MP2A         X         .17.288         .5           38         MP2A         Z         .9.981         .5.5           42         MP2A         Mx         .002         .5           44	21	MP4A	Mx	009	.25
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	22	MP4A	X	18.025	5.75
24         MP4A         Mx $-009$ 5.75           25         MP4B         X         18.746         .25           26         MP4B         Z         10.823         .25           27         MP4B         X         18.746         .575           28         MP4B         X         18.746         .575           30         MP4B         X         18.746         .575           31         MP4C         X         18.375         .25           33         MP4C         X         18.375         .55           34         MP4C         X         18.375         .575           35         MP4C         X         18.375         .575           36         MP4C         X         17.288         .5           37         MP2A         Z         9.981         .5           38         MP2A         Z         9.981         .5.5           40         MP2A         X         17.288         .5           41         MP2A         X         19.645         .5.5           43         MP2B         Z         11.342         .5           46 <td< td=""><td>23</td><td>MP4A</td><td>Z</td><td>10.407</td><td>5.75</td></td<>	23	MP4A	Z	10.407	5.75
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	24	MP4A	Mx	009	5.75
26         MP48         Z         10.823         .25           27         MP48         X         18.746         5.75           28         MP48         Z         10.823         5.75           30         MP48         Z         10.823         5.75           30         MP48         X         18.375         25           31         MP4C         X         18.375         25           33         MP4C         X         18.375         5.75           36         MP4C         Z         10.609         5.75           36         MP4C         X         17.288         .5           37         MP2A         Z         9.981         .5           38         MP2A         Z         9.981         .5           40         MP2A         X         17.288         .5           41         MP2A         X         19.645         .5           42         MP2A         X         19.645         .5           43         MP2B         Z         11.342         .5           44         MP2B         Z         10.641         .6           53         MP2A	25	MP4B	X	18.746	.25
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	26	MP4B	Z	10.823	.25
28         MP4B         X         18.746         5.75           30         MP4B         X         10.823         5.75           31         MP4C         X         18.375         25           32         MP4C         X         18.375         25           33         MP4C         X         18.375         25           34         MP4C         X         18.375         5.75           35         MP4C         X         18.375         5.75           36         MP4C         X         18.375         5.75           37         MP2A         X         17.288         5           39         MP2A         X         17.288         5.5           40         MP2A         X         17.288         5.5           41         MP2A         Z         9.981         5.5           42         MP2A         X         19.645         .5           43         MP2B         X         19.645         .5           44         MP2B         X         19.645         .5.5           44         MP2B         X         19.645         .5.5           50         MP2	27	MP4B	Mx	.007	.25
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	28	MP4B	X	18.746	5.75
	29	MP4B	Z	10.823	5.75
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	30	MP4B	Mx	.007	5.75
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	31	MP4C	X	18.375	.25
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	32	MP4C	Z	10.609	.25
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	33	MP4C	Mx	.008	.25
35         MP4C         Z         10.609         5.75           36         MP4C         Mx         008         5.75           37         MP2A         X         17.288         .5           38         MP2A         Z         9.981         .5           39         MP2A         Mx         -003         .5           40         MP2A         X         17.288         .55           41         MP2A         Z         9.981         .55           42         MP2A         X         19.645         .5           43         MP2B         Z         11.342         .5           44         MP2B         Z         11.342         .5           45         MP2B         X         19.645         .5.5           47         MP2B         X         19.645         .5.5           48         MP2C         X         18.43         .5           50         MP2C         X         18.43         .5           51         MP2C         X         18.43         .5           53         MP2C         X         17.288         .5           54         MP2A	34	MP4C	X	18.375	5.75
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	35	MP4C	Z	10.609	5.75
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	36	MP4C	Mx	.008	5.75
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	37	MP2A	X	17.288	.5
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	38	MP2A	Z	9.981	.5
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	39	MP2A	Mx	003	.5
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	40	MP2A	X	17.288	5.5
42         MP2A         Mx $-003$ 5.5           43         MP2B         X         19.645         .5           44         MP2B         Z         11.342         .5           45         MP2B         Mx $-002$ .5           46         MP2B         X         19.645         .5.5           47         MP2B         Z         .11.342         .5.5           48         MP2B         Mx $-002$ .5.5           49         MP2C         X         18.43         .5           50         MP2C         Z         10.641         .5           51         MP2C         X         18.43         .5.5           52         MP2C         X         18.43         .5.5           53         MP2C         X         18.43         .5.5           54         MP2C         Mx         .016         .5.5           55         MP2A         Z         .9.981         .5           56         MP2A         Z         .9.981         .5.5           59         MP2A         X         .17.288         .5.5           50 <td< td=""><td>41</td><td>MP2A</td><td>Z</td><td>9.981</td><td>5.5</td></td<>	41	MP2A	Z	9.981	5.5
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	42	MP2A	Mx	003	5.5
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	43	MP2B	X	19.645	.5
45         MP2B         Mx $002$ .5           46         MP2B         X         19.645         5.5           47         MP2B         Z         11.342         5.5           48         MP2B         Mx $002$ 5.5           49         MP2C         X         18.43         .5           50         MP2C         Z         10.641         .5           51         MP2C         X         18.43         5.5           53         MP2C         Z         10.641         5.5           54         MP2C         X         18.43         5.5           55         MP2A         X         17.288         .5           56         MP2A         Z         9.981         .5           57         MP2A         X         17.288         5.5           59         MP2A         Z         9.981         .5           51         MP2A         Z         9.981         .5           56         MP2A         Z         19.645         .5           61         MP2A         Z         19.645         .5           62         MP2B	44	MP2B	Z	11.342	.5
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	45	MP2B	Mx	002	.5
47MP2BZ11.3425.548MP2BMx0025.549MP2CX18.43.550MP2CZ10.641.551MP2CX18.435.552MP2CX18.435.553MP2CZ10.6415.554MP2CMx.0165.555MP2AX17.288.556MP2AZ9.981.557MP2AX17.2885.558MP2AZ9.981.559MP2AZ9.9815.560MP2AZ9.9815.561MP2BX19.645.562MP2BZ11.342.563MP2BX19.6455.564MP2BX19.6455.565MP2BZ11.342.566MP2BX19.6455.567MP2BX19.6455.568MP2CX18.43.569MP2CX18.43.570MP2CX18.435.571MP2CZ10.6415.572MP2CX18.435.573MP3AX7.569274MP3AZ4.372	46	MP2B	X	19.645	5.5
48MP2BMx $002$ $5.5$ 49MP2CX $18.43$ .550MP2CZ $10.641$ .551MP2CX $18.43$ $5.5$ 52MP2CX $18.43$ $5.5$ 53MP2CZ $10.641$ $5.5$ 54MP2CMx $0.16$ $5.5$ 55MP2AX $17.288$ $.5$ 56MP2AZ $9.981$ $.5$ 57MP2AX $17.288$ $5.5$ 59MP2AZ $9.981$ $.5.5$ 60MP2AZ $9.981$ $5.5$ 61MP2BX $19.645$ $.5$ 62MP2BZ $11.342$ $.5$ 63MP2BX $19.645$ $5.5$ 64MP2BX $19.645$ $5.5$ 65MP2BZ $11.342$ $5.5$ 66MP2BX $10.77$ $5.5$ 67MP2CX $18.43$ $.5$ 68MP2CX $18.43$ $.5$ 70MP2CX $18.43$ $5.5$ 71MP2CZ $10.641$ $5.5$ 72MP2AX $7.569$ $2$ 74MP3AZ $4.37$ $2$	47	MP2B	Z	11.342	5.5
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	48	MP2B	Mx	002	5.5
50MP2CZ10.641.5 $51$ MP2CMx.016.5 $52$ MP2CX18.435.5 $53$ MP2CZ10.6415.5 $54$ MP2CMx.0165.5 $55$ MP2AX17.288.5 $56$ MP2AZ9.981.5 $57$ MP2AMx014.5 $58$ MP2AZ9.9815.5 $59$ MP2AZ9.9815.5 $60$ MP2AZ9.9815.5 $60$ MP2AZ9.9815.5 $61$ MP2BX19.645.5 $62$ MP2BZ11.342.5 $63$ MP2BX19.6455.5 $66$ MP2BX19.6455.5 $66$ MP2BX19.6455.5 $66$ MP2BX19.6455.5 $66$ MP2BX19.6455.5 $66$ MP2BX19.6455.5 $66$ MP2BX19.6455.5 $67$ MP2CX18.43.5 $68$ MP2CZ10.641.5 $70$ MP2CX18.435.5 $71$ MP2CZ10.6415.5 $72$ MP2AX7.5692 $74$ MP3AZ4.372	49	MP2C	X	18.43	.5
51MP2CMx.016.5 $52$ MP2CX18.435.5 $53$ MP2CZ10.6415.5 $54$ MP2CMx.0165.5 $55$ MP2AX17.288.5 $56$ MP2AZ9.981.5 $57$ MP2AX17.2885.5 $59$ MP2AZ9.981.5 $50$ MP2AZ9.9815.5 $60$ MP2AZ9.9815.5 $61$ MP2BX19.645.5 $62$ MP2BZ11.342.5 $63$ MP2BX19.6455.5 $64$ MP2BX19.6455.5 $66$ MP2BZ11.3425.5 $66$ MP2BZ11.3425.5 $66$ MP2BZ10.641.5 $67$ MP2CX18.43.5 $68$ MP2CZ10.641.5 $70$ MP2CX18.435.5 $71$ MP2CZ10.6415.5 $72$ MP2CX18.435.5 $73$ MP3AX7.5692 $74$ MP3AZ4.372	50	MP2C	Z	10.641	.5
52MP2CX18.435.5 $53$ MP2CZ10.6415.5 $54$ MP2CMx.0165.5 $55$ MP2AX17.288.5 $56$ MP2AZ9.981.5 $57$ MP2AX17.2885.5 $58$ MP2AX17.2885.5 $59$ MP2AZ9.9815.5 $60$ MP2AZ9.9815.5 $61$ MP2BX19.645.5 $62$ MP2BZ11.342.5 $63$ MP2BMx.017.5 $64$ MP2BX19.6455.5 $65$ MP2BZ11.3425.5 $66$ MP2BX19.6455.5 $66$ MP2BZ11.3425.5 $67$ MP2CX18.43.5 $68$ MP2CZ10.641.5 $70$ MP2CX18.435.5 $71$ MP2CX18.435.5 $72$ MP2CX18.435.5 $73$ MP3AX7.5692 $74$ MP3AZ4.372	51	MP2C	Mx	.016	.5
53         MP2C         Z         10.641         5.5           54         MP2C         Mx         .016         5.5           55         MP2A         X         17.288         .5           56         MP2A         Z         9.981         .5           57         MP2A         X         17.288         5.5           58         MP2A         X         17.288         5.5           59         MP2A         Z         9.981         5.5           60         MP2A         X         17.288         5.5           61         MP2B         X         19.645         .5           62         MP2B         X         19.645         .5           63         MP2B         X         19.645         5.5           64         MP2B         X         19.645         5.5           65         MP2B         X         19.645         5.5           66         MP2B         X         19.645         5.5           66         MP2B         Mx         .017         5.5           68         MP2C         X         18.43         .5           70         MP2C	52	MP2C	X	18.43	5.5
54         MP2C         Mx         .016         5.5           55         MP2A         X         17.288         .5           56         MP2A         Z         9.981         .5           57         MP2A         Mx         .014         .5           58         MP2A         X         17.288         5.5           59         MP2A         Z         9.981         5.5           60         MP2A         Z         9.981         5.5           60         MP2A         Z         9.981         5.5           60         MP2A         Z         9.981         5.5           61         MP2B         X         19.645         .5           62         MP2B         Z         11.342         .5           63         MP2B         X         19.645         5.5           64         MP2B         Z         11.342         5.5           66         MP2B         X         19.645         5.5           66         MP2B         Mx         .017         5.5           68         MP2C         X         18.43         .5           70         MP2C	53	MP2C	Z	10.641	5.5
55         MP2A         X         17.288         .5           56         MP2A         Z         9.981         .5           57         MP2A         Mx        014         .5           58         MP2A         X         17.288         5.5           59         MP2A         Z         9.981         5.5           60         MP2A         Z         9.981         5.5           61         MP2B         X         19.645         .5           62         MP2B         Z         11.342         .5           63         MP2B         X         19.645         .5           64         MP2B         X         19.645         .5           65         MP2B         Z         11.342         5.5           66         MP2B         X         017         5.5           67         MP2C         X         18.43         .5           68         MP2C         Z         10.641         .5           69         MP2C         X         18.43         5.5           70         MP2C         Z         10.641         5.5           71         MP2C <t< td=""><td>54</td><td>MP2C</td><td>Mx</td><td>.016</td><td>5.5</td></t<>	54	MP2C	Mx	.016	5.5
56MP2AZ9.981.5 $57$ MP2AMx014.5 $58$ MP2AX17.2885.5 $59$ MP2AZ9.9815.5 $60$ MP2AX0145.5 $61$ MP2BX19.645.5 $62$ MP2BZ11.342.5 $63$ MP2BMx.017.5 $64$ MP2BZ11.3425.5 $65$ MP2BZ11.3425.5 $66$ MP2BX19.6455.5 $67$ MP2BZ11.3425.5 $68$ MP2CX18.43.5 $69$ MP2CX18.43.5 $70$ MP2CX18.435.5 $71$ MP2CZ10.641.5 $72$ MP2CX18.435.5 $71$ MP2CZ10.6415.5 $73$ MP3AX7.5692 $74$ MP3AZ4.372	55	MP2A	X	17.288	.5
57         MP2A         Mx        014         .5           58         MP2A         X         17.288         5.5           59         MP2A         Z         9.981         5.5           60         MP2A         Mx        014         5.5           61         MP2B         X         19.645         .5           62         MP2B         Z         11.342         .5           63         MP2B         Mx         .017         .5           64         MP2B         X         19.645         5.5           65         MP2B         Z         11.342         5.5           66         MP2B         Z         11.342         5.5           66         MP2B         Z         11.342         5.5           66         MP2B         X         .017         5.5           67         MP2C         X         18.43         .5           68         MP2C         X         18.43         5.5           70         MP2C         X         18.43         5.5           71         MP2C         Z         10.641         5.5           72         MP2C	56	MP2A	Z	9.981	.5
58         MP2A         X         17.288         5.5           59         MP2A         Z         9.981         5.5           60         MP2A         Mx        014         5.5           61         MP2B         X         19.645         .5           62         MP2B         Z         11.342         .5           63         MP2B         X         017         .5           64         MP2B         X         19.645         5.5           65         MP2B         X         19.645         5.5           66         MP2B         X         19.645         5.5           65         MP2B         Z         11.342         5.5           66         MP2B         Mx         .017         5.5           67         MP2C         X         18.43         .5           68         MP2C         Z         10.641         .5           70         MP2C         X         18.43         5.5           71         MP2C         Z         10.641         5.5           72         MP2C         X         18.43         5.5           73         MP3A	57	MP2A	Mx	014	.5
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	58	MP2A	Х	17.288	5.5
60         MP2A         Mx        014         5.5           61         MP2B         X         19.645         .5           62         MP2B         Z         11.342         .5           63         MP2B         Mx         .017         .5           64         MP2B         X         19.645         5.5           65         MP2B         X         19.645         5.5           66         MP2B         Z         11.342         5.5           66         MP2B         Z         11.342         5.5           66         MP2B         Mx         .017         5.5           67         MP2C         X         18.43         .5           68         MP2C         Z         10.641         .5           69         MP2C         X         18.43         5.5           70         MP2C         X         18.43         5.5           71         MP2C         Z         10.641         5.5           72         MP2C         Mx         .000742         5.5           73         MP3A         X         7.569         2           74         MP3A	59	MP2A	Z	9.981	5.5
61         MP2B         X         19.645         .5           62         MP2B         Z         11.342         .5           63         MP2B         Mx         .017         .5           64         MP2B         X         19.645         5.5           65         MP2B         X         19.645         5.5           66         MP2B         Z         11.342         5.5           66         MP2B         Z         11.342         5.5           66         MP2B         Mx         .017         5.5           67         MP2C         X         18.43         .5           68         MP2C         Z         10.641         .5           69         MP2C         X         18.43         5.5           70         MP2C         X         18.43         5.5           71         MP2C         Z         10.641         5.5           72         MP2C         X         18.43         5.5           73         MP3A         X         7.569         2           74         MP3A         Z         4.37         2	60	MP2A	Mx	014	5.5
62         MP2B         Z         11.342         .5           63         MP2B         Mx         .017         .5           64         MP2B         X         19.645         5.5           65         MP2B         Z         11.342         5.5           66         MP2B         Z         11.342         5.5           66         MP2B         Mx         .017         5.5           67         MP2C         X         18.43         .5           68         MP2C         Z         10.641         .5           69         MP2C         X         18.43         5.5           70         MP2C         X         18.43         5.5           71         MP2C         Z         10.641         5.5           72         MP2C         X         18.43         5.5           72         MP2C         Z         10.641         5.5           73         MP3A         X         7.569         2           74         MP3A         Z         4.37         2 <td>61</td> <td>MP2B</td> <td>Х</td> <td>19.645</td> <td>.5</td>	61	MP2B	Х	19.645	.5
63         MP2B         Mx         .017         .5           64         MP2B         X         19.645         5.5           65         MP2B         Z         11.342         5.5           66         MP2B         Mx         .017         5.5           67         MP2C         X         18.43         .5           68         MP2C         Z         10.641         .5           69         MP2C         Mx         .000742         .5           70         MP2C         X         18.43         5.5           71         MP2C         X         18.43         5.5           71         MP2C         X         18.43         5.5           71         MP2C         Z         10.641         5.5           72         MP2C         X         18.43         5.5           73         MP3A         X         7.569         2           74         MP3A         Z         4.37         2	62	MP2B	Z	11.342	.5
64         MP2B         X         19.645         5.5           65         MP2B         Z         11.342         5.5           66         MP2B         Mx         .017         5.5           67         MP2C         X         18.43         .5           68         MP2C         Z         10.641         .5           69         MP2C         Mx         .000742         .5           70         MP2C         X         18.43         5.5           71         MP2C         Z         10.641         5.5           72         MP2C         Z         10.641         5.5           72         MP2C         X         18.43         5.5           73         MP3A         X         7.569         2           74         MP3A         Z         4.37         2	63	MP2B	Mx	.017	.5
65         MP2B         Z         11.342         5.5           66         MP2B         Mx         .017         5.5           67         MP2C         X         18.43         .5           68         MP2C         Z         10.641         .5           69         MP2C         Mx         .000742         .5           70         MP2C         X         18.43         5.5           71         MP2C         Z         10.641         5.5           72         MP2C         Z         10.641         5.5           72         MP2C         Z         10.641         5.5           73         MP3A         X         7.569         2           74         MP3A         Z         4.37         2	64	MP2B	Х	19.645	5.5
66         MP2B         Mx         .017         5.5           67         MP2C         X         18.43         .5           68         MP2C         Z         10.641         .5           69         MP2C         Mx         .000742         .5           70         MP2C         X         18.43         5.5           71         MP2C         Z         10.641         5.5           72         MP2C         Z         10.641         5.5           73         MP3A         X         7.569         2           74         MP3A         Z         4.37         2	65	MP2B	Z	11.342	5.5
67         MP2C         X         18.43         .5           68         MP2C         Z         10.641         .5           69         MP2C         Mx         .000742         .5           70         MP2C         X         18.43         5.5           71         MP2C         Z         10.641         5.5           72         MP2C         Z         10.641         5.5           73         MP3A         X         7.569         2           74         MP3A         Z         4.37         2	66	MP2B	Mx	.017	5.5
68         MP2C         Z         10.641         .5           69         MP2C         Mx         .000742         .5           70         MP2C         X         18.43         5.5           71         MP2C         Z         10.641         5.5           72         MP2C         Mx         .000742         5.5           73         MP3A         X         7.569         2           74         MP3A         Z         4.37         2	67	MP2C	X	18.43	.5
69         MP2C         Mx         .000742         .5           70         MP2C         X         18.43         5.5           71         MP2C         Z         10.641         5.5           72         MP2C         Mx         .000742         5.5           73         MP3A         X         7.569         2           74         MP3A         Z         4.37         2	68	MP2C	Z	10.641	.5
70         MP2C         X         18.43         5.5           71         MP2C         Z         10.641         5.5           72         MP2C         Mx         .000742         5.5           73         MP3A         X         7.569         2           74         MP3A         Z         4.37         2	69	MP2C	Mx	.000742	.5
71         MP2C         Z         10.641         5.5           72         MP2C         Mx         .000742         5.5           73         MP3A         X         7.569         2           74         MP3A         Z         4.37         2	70	MP2C	Х	18.43	5.5
72         MP2C         Mx         .000742         5.5           73         MP3A         X         7.569         2           74         MP3A         Z         4.37         2	71	MP2C	Z	10.641	5.5
73         MP3A         X         7.569         2           74         MP3A         Z         4.37         2	72	MP2C	Mx	.000742	5.5
74 MP3A Z 4.37 2	73	MP3A	Х	7.569	2
	74	MP3A	Z	4.37	2

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
75	MP3A	Mx	004	2
76	MP3A	Х	7.569	4
77	MP3A	Z	4.37	4
78	MP3A	Mx	004	4
79	MP3B	Х	10.141	2
80	MP3B	Z	5.855	2
81	MP3B	Mx	.004	2
82	MP3B	Х	10.141	4
83	MP3B	Z	5.855	4
84	MP3B	Mx	.004	4
85	MP3C	Х	8.815	2
86	MP3C	Z	5.089	2
87	MP3C	Mx	.004	2
88	MP3C	Х	8.815	4
89	MP3C	Z	5.089	4
90	MP3C	Mx	.004	4
91	MP1A	Х	8.643	2
92	MP1A	Z	4.99	2
93	MP1A	Mx	.003	2
94	MP1B	Х	11.202	2
95	MP1B	Z	6.467	2
96	MP1B	Mx	0	2
97	MP1C	Х	8.643	2
98	MP1C	Z	4.99	2
99	MP1C	Mx	003	2
100	MP2A	Х	8.182	2
101	MP2A	Z	4.724	2
102	MP2A	Mx	.003	2
103	MP2B	Х	11.202	2
104	MP2B	Z	6.467	2
105	MP2B	Mx	0	2
106	MP2C	Х	8.182	2
107	MP2C	Z	4.724	2
108	MP2C	Mx	003	2
109	OVP	Х	21.773	1
110	OVP	Z	12.571	1
111	OVP	Mx	.007	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	11.024	.25
2	MP1A	Z	19.095	.25
3	MP1A	Mx	006	.25
4	MP1A	Х	11.024	5.75
5	MP1A	Z	19.095	5.75
6	MP1A	Mx	006	5.75
7	MP1B	Х	11.296	.25
8	MP1B	Z	19.565	.25
9	MP1B	Mx	.002	.25
10	MP1B	Х	11.296	5.75
11	MP1B	Z	19.565	5.75
12	MP1B	Mx	.002	5.75
13	MP1C	Х	10.136	.25
14	MP1C	Z	17.555	.25
15	MP1C	Mx	.01	.25
16	MP1C	Х	10.136	5.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
17	MP1C	Z	17.555	5.75
18	MP1C	Mx	.01	5.75
19	MP4A	X	11.024	.25
20	MP4A		19.095	.25
21	MP4A	MX	006	.25
22	MP4A	<u> </u>	11.024	5.75
23	MP4A	<u> </u>	19.095	5.75
24	MP4A	MX	006	5.75
25	MP4B		11.296	.25
26	MP4B		19.565	.25
27	MP4B	NX	.002	.25
28	MP4B	<u> </u>	11.296	5.75
29	MP4B		19.565	5.75
30	MP4B		.002	5.75
31	MP4C		10.130	.20
32	MP4C		01	.25
33	MP4C		.01	.20
25		7	17 555	5.75
36	MP/C		01	5.75
30			12 001	5.75
38	MP2A		20 787	.5
30	MP2A		005	.5
40	MP2A	X	12 001	.5
40	MP2A	7	20.787	5.5
42	MP2A		005	5.5
43	MP2B	X	12.89	5
40	MP2B	7	22 326	.0
45	MP2B	Mx	- 012	
46	MP2B	X	12.89	5.5
47	MP2B		22.326	5.5
48	MP2B	Mx	012	5.5
49	MP2C	X	9.093	.5
50	MP2C	Z	15.749	.5
51	MP2C	Mx	.011	.5
52	MP2C	X	9.093	5.5
53	MP2C	Z	15.749	5.5
54	MP2C	Mx	.011	5.5
55	MP2A	Х	12.001	.5
56	MP2A	Z	20.787	.5
57	MP2A	Mx	017	.5
58	MP2A	X	12.001	5.5
59	MP2A	Z	20.787	5.5
60	MP2A	Mx	017	5.5
61	MP2B	X	12.89	.5
62	MP2B	Z	22.326	.5
63	MP2B	Mx	.016	.5
64	MP2B	X	12.89	5.5
65	MP2B		22.326	5.5
66	MP2B	MX	.016	5.5
6/	MP2C	X	9.093	.5
68	MP2C		15.749	.5
69	MP2C		.007	.5
70	MP2C	7	9.093	5.5
70	MP20		15.749	5.5
72	MP20		.007	5.5
13	IVIP3A	Å	0.0/4	<u> </u>

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
74	MP3A	Z	11.387	2
75	MP3A	Mx	003	2
76	MP3A	X	6.574	4
77	MP3A	Z	11.387	4
78	MP3A	Mx	003	4
79	MP3B	Х	7.544	2
80	MP3B	Z	13.066	2
81	MP3B	Mx	.001	2
82	MP3B	Х	7.544	4
83	MP3B	Z	13.066	4
84	MP3B	Mx	.001	4
85	MP3C	Х	3.401	2
86	MP3C	Z	5.891	2
87	MP3C	Mx	.003	2
88	MP3C	Х	3.401	4
89	MP3C	Z	5.891	4
90	MP3C	Mx	.003	4
91	MP1A	Х	5.975	2
92	MP1A	Z	10.349	2
93	MP1A	Mx	.002	2
94	MP1B	Х	5.975	2
95	MP1B	Z	10.349	2
96	MP1B	Mx	.002	2
97	MP1C	Х	4.497	2
98	MP1C	Z	7.79	2
99	MP1C	Mx	003	2
100	MP2A	Х	5.886	2
101	MP2A	Z	10.195	2
102	MP2A	Mx	.002	2
103	MP2B	Х	5.886	2
104	MP2B	Z	10.195	2
105	MP2B	Mx	.002	2
106	MP2C	Х	4.143	2
107	MP2C	Z	7.176	2
108	MP2C	Mx	003	2
109	OVP	Х	11.12	1
110	OVP	Z	19.261	1
1111	OVP	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	0	.25
2	MP1A	Z	22.666	.25
3	MP1A	Mx	0	.25
4	MP1A	Х	0	5.75
5	MP1A	Z	22.666	5.75
6	MP1A	Mx	0	5.75
7	MP1B	Х	0	.25
8	MP1B	Z	22.377	.25
9	MP1B	Mx	004	.25
10	MP1B	Х	0	5.75
11	MP1B	Z	22.377	5.75
12	MP1B	Mx	004	5.75
13	MP1C	Х	0	.25
14	MP1C	Z	20.485	.25
15	MP1C	Mx	.01	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
16	MP1C	X	0	5.75
17	MP1C	Z	20.485	5.75
18	MP1C	Mx	.01	5.75
19	MP4A	X	0	.25
20	MP4A	Z	22.666	.25
21	MP4A	Mx	0	.25
22	MP4A	Х	0	5.75
23	MP4A	Z	22.666	5.75
24	MP4A	Mx	0	5.75
25	MP4B	X	0	.25
26	MP4B	Z	22.377	.25
27	MP4B	Mx	004	.25
28	MP4B	Х	0	5.75
29	MP4B	Z	22.377	5.75
30	MP4B	Mx	004	5.75
31	MP4C	Х	0	.25
32	MP4C	Z	20.485	.25
33	MP4C	Mx	.01	.25
34	MP4C	X	0	5.75
35	MP4C	Z	20.485	5.75
36	MP4C	Mx	.01	5.75
37	MP2A	Х	0	.5
38	MP2A	Z	26.023	.5
39	MP2A	Mx	.014	.5
40	MP2A	Х	0	5.5
41	MP2A	Z	26.023	5.5
42	MP2A	Mx	.014	5.5
43	MP2B	X	0	.5
44	MP2B	Z	25.078	.5
45	MP2B	Mx	017	.5
46	MP2B	X	0	5.5
47	MP2B	Z	25.078	5.5
48	MP2B	Mx	017	5.5
49	MP2C	<u>X</u>	0	.5
50	MP2C		18.888	.5
51	MP2C	MX	.005	.5
52	MP2C	X 7	10.000	5.5
53	MP2C		18.888	5.5
54	MP20		.005	5.5
55	MP2A	<u> </u>	0	.5
50	MD2A		20.023	.0
5/	IVIPZA MD2A	IVIX	014	.0
50	MD2A	7	26.023	5.5
60	MD2A		014	5.5
61	MD2R	IVIX Y	014	5.5
62	MD2B	7	25.078	
63	MD2R		008	.5
64	MP2R	IVIX X	0.000	5.5
65	MP2R	7	25.078	5.5
66	MP2R	Mx	008	5.5
67	MP2C	X	0	5
68	MP2C	7	18 888	
69	MP2C	Mx	012	
70	MP2C	X	0	5.5
71	MP2C	7	18,888	5.5
72	MP2C	Mx	.012	5.5
	111 20		.012	0.0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
73	MP3A	Х	0	2
74	MP3A	Z	15.353	2
75	MP3A	Mx	0	2
76	MP3A	Х	0	4
77	MP3A	Z	15.353	4
78	MP3A	Mx	0	4
79	MP3B	Х	0	2
80	MP3B	Z	14.322	2
81	MP3B	Mx	002	2
82	MP3B	Х	0	4
83	MP3B	Z	14.322	4
84	MP3B	Mx	002	4
85	MP3C	Х	0	2
86	MP3C	Z	7.567	2
87	MP3C	Mx	.004	2
88	MP3C	Х	0	4
89	MP3C	Z	7.567	4
90	MP3C	Mx	.004	4
91	MP1A	Х	0	2
92	MP1A	Z	12.935	2
93	MP1A	Mx	0	2
94	MP1B	Х	0	2
95	MP1B	Z	9.98	2
96	MP1B	Mx	.003	2
97	MP1C	Х	0	2
98	MP1C	Z	9.98	2
99	MP1C	Mx	003	2
100	MP2A	Х	0	2
101	MP2A	Z	12.935	2
102	MP2A	Mx	0	2
103	MP2B	Х	0	2
104	MP2B	Z	9.448	2
105	MP2B	Mx	.003	2
106	MP2C	Х	0	2
107	MP2C	Z	9.448	2
108	MP2C	Mx	003	2
109	OVP	Х	0	1
110	OVP	Z	20.791	1
111	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	-11.024	.25
2	MP1A	Z	19.095	.25
3	MP1A	Mx	.006	.25
4	MP1A	Х	-11.024	5.75
5	MP1A	Z	19.095	5.75
6	MP1A	Mx	.006	5.75
7	MP1B	Х	-10.609	.25
8	MP1B	Z	18.375	.25
9	MP1B	Mx	008	.25
10	MP1B	Х	-10.609	5.75
11	MP1B	Z	18.375	5.75
12	MP1B	Mx	008	5.75
13	MP1C	Х	-10.823	.25
14	MP1C	Z	18.746	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
15	MP1C	Mx	.007	.25
16	MP1C	X	-10.823	5.75
17	MP1C	Z	18.746	5.75
18	MP1C	Mx	.007	5.75
19	MP4A	Х	-11.024	.25
20	MP4A	Z	19.095	.25
21	MP4A	Mx	.006	.25
22	MP4A	Х	-11.024	5.75
23	MP4A	Z	19.095	5.75
24	MP4A	Mx	.006	5.75
25	MP4B	Х	-10.609	.25
26	MP4B	Z	18.375	.25
27	MP4B	Mx	008	.25
28	MP4B	X	-10.609	5.75
29	MP4B	Z	18.375	5.75
30	MP4B	Mx	008	5.75
31	MP4C	Х	-10.823	.25
32	MP4C	Z	18.746	.25
33	MP4C	Mx	.007	.25
34	MP4C	X	-10.823	5.75
35	MP4C	Z	18.746	5.75
36	MP4C	Mx	.007	5.75
37	MP2A	X	-12.001	.5
38	MP2A	Z	20.787	.5
39	MP2A	Mx	.017	.5
40	MP2A	X	-12.001	5.5
41	MP2A	Z	20.787	5.5
42	MP2A	Mx	.017	5.5
43	MP2B	Х	-10.641	.5
44	MP2B	Z	18.43	.5
45	MP2B	Mx	016	.5
46	MP2B	Х	-10.641	5.5
47	MP2B	Z	18.43	5.5
48	MP2B	Mx	016	5.5
49	MP2C	Х	-11.342	.5
50	MP2C	Z	19.645	.5
51	MP2C	Mx	002	.5
52	MP2C	Х	-11.342	5.5
53	MP2C	Z	19.645	5.5
54	MP2C	Mx	002	5.5
55	MP2A	Х	-12.001	.5
56	MP2A	Z	20.787	.5
57	MP2A	Mx	005	.5
58	MP2A	Х	-12.001	5.5
59	MP2A	Z	20.787	5.5
60	MP2A	Mx	005	5.5
61	MP2B	X	-10.641	.5
62	MP2B	Z	18.43	.5
63	MP2B	Mx	000742	.5
64	MP2B	Х	-10.641	5.5
65	MP2B	Z	18.43	5.5
66	MP2B	Mx	000742	5.5
67	MP2C	X	-11.342	.5
68	MP2C	Z	19.645	.5
69	MP2C	Mx	.017	.5
70	MP2C	Х	-11.342	5.5
71	MP2C	Z	19.645	5.5

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[ft,%]
72	MP2C	Mx	.017	5.5
73	MP3A	X	-6.574	2
74	MP3A	Z	11.387	2
75	MP3A	Mx	.003	2
76	MP3A	X	-6.574	4
77	MP3A	Z	11.387	4
78	MP3A	Mx	.003	4
79	MP3B	X	-5.089	2
80	MP3B	Z	8.815	2
81	MP3B	Mx	004	2
82	MP3B	Х	-5.089	4
83	MP3B	Z	8.815	4
84	MP3B	Mx	004	4
85	MP3C	X	-5.855	2
86	MP3C	Z	10.141	2
87	MP3C	Mx	.004	2
88	MP3C	X	-5.855	4
89	MP3C	Z	10.141	4
90	MP3C	Mx	.004	4
91	MP1A	X	-5.975	2
92	MP1A	Z	10.349	2
93	MP1A	Mx	002	2
94	MP1B	X	-4.497	2
95	MP1B	Z	7.79	2
96	MP1B	Mx	.003	2
97	MP1C	X	-5.975	2
98	MP1C	Z	10.349	2
99	MP1C	Mx	002	2
100	MP2A	X	-5.886	2
101	MP2A	Z	10.195	2
102	MP2A	Mx	002	2
103	MP2B	X	-4.143	2
104	MP2B	Z	7.176	2
105	MP2B	Mx	.003	2
106	MP2C	X	-5.886	2
107	MP2C	Z	10.195	2
108	MP2C	Mx	002	2
109	OVP	X	-11.12	1
110	OVP	Z	19.261	1
111	OVP	Mx	004	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	-18.025	.25
2	MP1A	Z	10.407	.25
3	MP1A	Mx	.009	.25
4	MP1A	Х	-18.025	5.75
5	MP1A	Z	10.407	5.75
6	MP1A	Mx	.009	5.75
7	MP1B	Х	-17.555	.25
8	MP1B	Z	10.136	.25
9	MP1B	Mx	01	.25
10	MP1B	Х	-17.555	5.75
11	MP1B	Z	10.136	5.75
12	MP1B	Mx	01	5.75
13	MP1C	Х	-19.565	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
14	MP1C	Z	11.296	.25
15	MP1C	Mx	.002	.25
16	MP1C	<u> </u>	-19.565	5.75
17	MP1C	Z	11.296	5.75
18	MP1C	Mx	.002	5.75
19	MP4A	X	-18.025	.25
20	MP4A	Z	10.407	.25
21	MP4A	Mx	.009	.25
22	MP4A	<u> </u>	-18.025	5.75
23	MP4A	Z	10.407	5.75
24	MP4A	Mx	.009	5.75
25	MP4B	X	-17.555	.25
26	MP4B	Z	10.136	.25
27	MP4B	Mx	01	.25
28	MP4B	<u> </u>	-17.555	5.75
29	MP4B	<u> </u>	10.136	5.75
30	MP4B	Mx	01	5.75
31	MP4C	<u> </u>	-19.565	.25
32	MP4C		11.296	.25
33	MP4C		.002	.25
34	MP4C	<u> </u>	-19.565	5.75
35	MP4C		11.296	5.75
30	MP4C		.002	5.75
37			-17.288	.0
38			9.981	.0
39			.014	.5
40			-17.200	5.5
41			9.901	5.5
42			15 740	5.5
43	MD2B	7	0.003	.5
44	MD2B		011	.5
46	MP2B	X		55
40	MP2B	7	9 093	5.5
48	MP2B	Mx	- 011	5.5
49	MP2C	X	-22 326	5
50	MP2C	7	12.89	5
51	MP2C	Mx	012	.5
52	MP2C	X	-22.326	5.5
53	MP2C	Z	12.89	5.5
54	MP2C	Mx	012	5.5
55	MP2A	X	-17.288	.5
56	MP2A	Z	9.981	.5
57	MP2A	Mx	.003	.5
58	MP2A	Х	-17.288	5.5
59	MP2A	Z	9.981	5.5
60	MP2A	Mx	.003	5.5
61	MP2B	X	-15.749	.5
62	MP2B	Z	9.093	.5
63	MP2B	Mx	007	.5
64	MP2B	Х	-15.749	5.5
65	MP2B	Z	9.093	5.5
66	MP2B	Mx	007	5.5
67	MP2C	X	-22.326	.5
68	MP2C	Z	12.89	.5
69	MP2C	Mx	.016	.5
70	MP2C	X	-22.326	5.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
71	MP2C	Z	12.89	5.5
72	MP2C	Mx	.016	5.5
73	MP3A	Х	-7.569	2
74	MP3A	Z	4.37	2
75	MP3A	Mx	.004	2
76	MP3A	Х	-7.569	4
77	MP3A	Z	4.37	4
78	MP3A	Mx	.004	4
79	MP3B	Х	-5.891	2
80	MP3B	Z	3.401	2
81	MP3B	Mx	003	2
82	MP3B	Х	-5.891	4
83	MP3B	Z	3.401	4
84	MP3B	Mx	003	4
85	MP3C	Х	-13.066	2
86	MP3C	Z	7.544	2
87	MP3C	Mx	.001	2
88	MP3C	X	-13.066	4
89	MP3C	Z	7.544	4
90	MP3C	Mx	.001	4
91	MP1A	Х	-8.643	2
92	MP1A	Z	4.99	2
93	MP1A	Mx	003	2
94	MP1B	Х	-8.643	2
95	MP1B	Z	4.99	2
96	MP1B	Mx	.003	2
97	MP1C	Х	-11.202	2
98	MP1C	Z	6.467	2
99	MP1C	Mx	0	2
100	MP2A	Х	-8.182	2
101	MP2A	Z	4.724	2
102	MP2A	Mx	003	2
103	MP2B	Х	-8.182	2
104	MP2B	Z	4.724	2
105	MP2B	Mx	.003	2
106	MP2C	Х	-11.202	2
107	MP2C	Z	6.467	2
108	MP2C	Mx	0	2
109	OVP	Х	-21.773	1
110	OVP	Z	12.571	1
111	OVP	Mx	007	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	-20.197	.25
2	MP1A	Z	0	.25
3	MP1A	Mx	.01	.25
4	MP1A	Х	-20.197	5.75
5	MP1A	Z	0	5.75
6	MP1A	Mx	.01	5.75
7	MP1B	Х	-20.485	.25
8	MP1B	Z	0	.25
9	MP1B	Mx	01	.25
10	MP1B	Х	-20.485	5.75
11	MP1B	Z	0	5.75
12	MP1B	Mx	01	5.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
13	MP1C	X	-22.377	.25
14	MP1C	Z	0	.25
15	MP1C	Mx	004	.25
16	MP1C	X	-22.377	5.75
17	MP1C	Z	0	5.75
18	MP1C	Mx	004	5.75
19	MP4A	Х	-20.197	.25
20	MP4A	Z	0	.25
21	MP4A	Mx	.01	.25
22	MP4A	X	-20.197	5.75
23	MP4A	Z	0	5.75
24	MP4A	Mx	.01	5.75
25	MP4B	X	-20.485	.25
26	MP4B	Z	0	.25
27	MP4B	Mx	01	.25
28	MP4B	X	-20.485	5.75
29	MP4B	Z	0	5.75
30	MP4B	Mx	- 01	5 75
31	MP4C	X	-22 377	25
32	MP4C	7	0	25
33	MP4C	Mx	- 004	25
34	MP4C	X	-22.377	5.75
35	MP4C	7	0	5 75
36	MP4C	Mx	- 004	5.75
37	MP2A	X	-17 942	5
38	MP2A	7	0	5
39	MP2A	Mx	009	
40	MP2A	X	-17 942	55
41	MP2A	7	0	5.5
42	MP2A	Mx	009	5.5
43	MP2B	X	-18 888	5
40	MP2B	7	0	.0
45	MP2B	Mx	- 005	.5
46	MP2B	X	-18 888	55
40	MP2B	7	0	5.5
48	MP2B	Mx	- 005	5.5
49	MP2C	X	-25 078	5
50	MP2C	7	0	5
51	MP2C	Mx	- 017	5
52	MP2C	X	-25 078	5.5
53	MP2C	7	0	5.5
54	MP2C	Mx	- 017	5.5
55	MP2A	X	-17.942	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	.009	.5
58	MP2A	X	-17.942	5.5
59	MP2A	7	0	5.5
60	MP2A	Mx	009	5.5
61	MP2B	X	-18 888	5
62	MP2B	7	0	5
63	MP2B	Mx	- 012	
64	MP2B	X	-18 888	5.5
65	MP2B	7	0	5.5
66	MP2B	Mx	- 012	5.5
67	MP2C	X	-25 078	5
68	MP2C	7	0	
69	MP2C	Mx	008	.5
	1011 20	IVIA	.000	

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
70	MP2C	X	-25.078	5.5
71	MP2C	Z	0	5.5
72	MP2C	Mx	.008	5.5
73	MP3A	X	-6.536	2
74	MP3A	Z	0	2
75	MP3A	Mx	.003	2
76	MP3A	X	-6.536	4
77	MP3A	Z	0	4
78	MP3A	Mx	.003	4
79	MP3B	X	-7.567	2
80	MP3B	Z	0	2
81	MP3B	Mx	004	2
82	MP3B	X	-7.567	4
83	MP3B	Z	0	4
84	MP3B	Mx	004	4
85	MP3C	X	-14.322	2
86	MP3C	Z	0	2
87	MP3C	Mx	002	2
88	MP3C	X	-14.322	4
89	MP3C	Z	0	4
90	MP3C	Mx	002	4
91	MP1A	X	-8.995	2
92	MP1A	Z	0	2
93	MP1A	Mx	003	2
94	MP1B	X	-11.95	2
95	MP1B	Z	0	2
96	MP1B	Mx	.002	2
97	MP1C	X	-11.95	2
98	MP1C	Z	0	2
99	MP1C	Mx	.002	2
100	MP2A	X	-8.286	2
101	MP2A	Z	0	2
102	MP2A	Mx	003	2
103	MP2B	X	-11.772	2
104	MP2B	Z	0	2
105	MP2B	Mx	.002	2
106	MP2C	Х	-11.772	2
107	MP2C	Z	0	2
108	MP2C	Mx	.002	2
109	OVP	Х	-26.591	1
110	OVP	Z	0	1
111	OVP	Mx	009	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	-18.025	.25
2	MP1A	Z	-10.407	.25
3	MP1A	Mx	.009	.25
4	MP1A	Х	-18.025	5.75
5	MP1A	Z	-10.407	5.75
6	MP1A	Mx	.009	5.75
7	MP1B	Х	-18.746	.25
8	MP1B	Z	-10.823	.25
9	MP1B	Mx	007	.25
10	MP1B	Х	-18.746	5.75
11	MP1B	Z	-10.823	5.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
12	MP1B	Mx	007	5.75
13	MP1C	X	-18.375	.25
14	MP1C	Z	-10.609	.25
15	MP1C	Mx	008	.25
16	MP1C	X	-18.375	5.75
17	MP1C	Z	-10.609	5.75
18	MP1C	Mx	008	5.75
19	MP4A	X	-18.025	.25
20	MP4A	Z	-10.407	.25
21	MP4A	Mx	.009	.25
22	MP4A	X	-18.025	5.75
23	MP4A	Z	-10.407	5.75
24	MP4A	Mx	.009	5.75
25	MP4B	X	-18.746	.25
26	MP4B	Z	-10.823	.25
27	MP4B	Mx	007	.25
28	MP4B	X	-18.746	5.75
29	MP4B	Z	-10.823	5.75
30	MP4B	Mx	007	5.75
31	MP4C	X	-18.375	.25
32	MP4C	Z	-10.609	.25
33	MP4C	Mx	008	.25
34	MP4C	X	-18.375	5.75
35	MP4C	Z	-10.609	5.75
36	MP4C	Mx	008	5.75
37	MP2A	X	-17.288	.5
38	MP2A	Z	-9.981	.5
39	MP2A	Mx	.003	.5
40	MP2A	<u> </u>	-17.288	5.5
41	MP2A	<u>Z</u>	-9.981	5.5
42	MP2A	Mx	.003	5.5
43	MP2B	X	-19.645	.5
44	MP2B	<u> </u>	-11.342	.5
45	MP2B	Mx	.002	.5
46	MP2B	<u> </u>	-19.645	5.5
47	MP2B	<u> </u>	-11.342	5.5
48	MP2B	Mx	.002	5.5
49	MP2C	<u> </u>	-18.43	.5
50	MP2C		-10.641	.5
51	MP2C		016	.5
52	MP2C	<u> </u>	-18.43	5.5
53 E4	MD2C		- 10.04 1	5.5 E E
54			010	5.5 E
55		7	-17.200	.0
50			-9.901	.0
57			.014	.0
50		7	-17.200	0.0 E E
59			-9.901	5.5
61			10 645	5.5 E
62		7		.5
62			-11.042	.5
64			017	.0
65		7	-19.040	5.5
66			017	5.5
67		IVIX Y	017	5.5
62		7	- 10.43	.5
00	IVIFZO	۷.	-10.041	.0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
69	MP2C	Mx	000742	.5
70	MP2C	Х	-18.43	5.5
71	MP2C	Z	-10.641	5.5
72	MP2C	Mx	000742	5.5
73	MP3A	Х	-7.569	2
74	MP3A	Z	-4.37	2
75	MP3A	Mx	.004	2
76	MP3A	Х	-7.569	4
77	MP3A	Z	-4.37	4
78	MP3A	Mx	.004	4
79	MP3B	Х	-10.141	2
80	MP3B	Z	-5.855	2
81	MP3B	Mx	004	2
82	MP3B	X	-10.141	4
83	MP3B	Z	-5.855	4
84	MP3B	Mx	004	4
85	MP3C	X	-8.815	2
86	MP3C	Z	-5.089	2
87	MP3C	Mx	004	2
88	MP3C	Х	-8.815	4
89	MP3C	Z	-5.089	4
90	MP3C	Mx	004	4
91	MP1A	Х	-8.643	2
92	MP1A	Z	-4.99	2
93	MP1A	Mx	003	2
94	MP1B	Х	-11.202	2
95	MP1B	Z	-6.467	2
96	MP1B	Mx	0	2
97	MP1C	Х	-8.643	2
98	MP1C	Z	-4.99	2
99	MP1C	Mx	.003	2
100	MP2A	Х	-8.182	2
101	MP2A	Z	-4.724	2
102	MP2A	Mx	003	2
103	MP2B	Х	-11.202	2
104	MP2B	Z	-6.467	2
105	MP2B	Mx	0	2
106	MP2C	Х	-8.182	2
107	MP2C	Z	-4.724	2
108	MP2C	Mx	.003	2
109	OVP	Х	-21.773	1
110	OVP	Z	-12.571	1
111	OVP	Mx	007	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	-11.024	.25
2	MP1A	Z	-19.095	.25
3	MP1A	Mx	.006	.25
4	MP1A	Х	-11.024	5.75
5	MP1A	Z	-19.095	5.75
6	MP1A	Mx	.006	5.75
7	MP1B	Х	-11.296	.25
8	MP1B	Z	-19.565	.25
9	MP1B	Mx	002	.25
10	MP1B	Х	-11.296	5.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
11	MP1B		-19.565	5.75
12	MP1B	Mx	002	5.75
13	MP1C	X	-10.136	.25
14	MP1C	<u> </u>	-17.555	.25
15	MP1C	Mx	01	.25
16	MP1C	<u> </u>	-10.136	5.75
1/	MP1C	<u> </u>	-17.555	5.75
18	MP1C	MX	01	5.75
19			-11.024	.25
20			-19.095	.25
21	MP4A	NX	.006	.25
22	MP4A	<u> </u>	-11.024	5.75
23	MP4A		-19.095	5.75
24			.006	5.75
23		~ ~ ~	-11.290	.25
20	MP4B		- 19.505	.20
27			002	.25
20		7	-11.290	5.75
29	MD/R		_ 002	5.75
30			002	25
32	MP4C	7	-10.130	.25
33	MP4C		-17.555	.25
34	MP4C	X	-10 136	5 75
35	MP4C	7	-17 555	5.75
36	MP4C		- 01	5.75
37	MP2A	X	-12 001	5
38	MP2A	7	-20 787	.0
39	MP2A	Mx	- 005	
40	MP2A	X	-12 001	5.5
41	MP2A	Z	-20.787	5.5
42	MP2A	Mx	005	5.5
43	MP2B	X	-12.89	.5
44	MP2B	Z	-22.326	.5
45	MP2B	Mx	.012	.5
46	MP2B	Х	-12.89	5.5
47	MP2B	Z	-22.326	5.5
48	MP2B	Mx	.012	5.5
49	MP2C	Х	-9.093	.5
50	MP2C	Z	-15.749	.5
51	MP2C	Mx	011	.5
52	MP2C	X	-9.093	5.5
53	MP2C	Z	-15.749	5.5
54	MP2C	Mx	011	5.5
55	MP2A	X	-12.001	.5
56	MP2A	Z	-20.787	.5
57	MP2A	Mx	.017	.5
58	MP2A	X	-12.001	5.5
59	MP2A	<u> </u>	-20.787	5.5
60	MP2A	MX	.01/	5.5
61	MP2B	X	-12.89	.5
62	MP2B		-22.326	.5
64	MP2B		016	.5
04 65	IVIP2B	× 7	-12.89	5.5
60	IVIP2B		-22.320	5.5
67	MP20		010	5.5
	IVIP2C	Ă	-9.093	.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
68	MP2C	Z	-15.749	.5
69	MP2C	Mx	007	.5
70	MP2C	Х	-9.093	5.5
71	MP2C	Z	-15.749	5.5
72	MP2C	Mx	007	5.5
73	MP3A	Х	-6.574	2
74	MP3A	Z	-11.387	2
75	MP3A	Mx	.003	2
76	MP3A	Х	-6.574	4
77	MP3A	Z	-11.387	4
78	MP3A	Mx	.003	4
79	MP3B	Х	-7.544	2
80	MP3B	Z	-13.066	2
81	MP3B	Mx	001	2
82	MP3B	Х	-7.544	4
83	MP3B	Z	-13.066	4
84	MP3B	Mx	001	4
85	MP3C	Х	-3.401	2
86	MP3C	Z	-5.891	2
87	MP3C	Mx	003	2
88	MP3C	Х	-3.401	4
89	MP3C	Z	-5.891	4
90	MP3C	Mx	003	4
91	MP1A	Х	-5.975	2
92	MP1A	Z	-10.349	2
93	MP1A	Mx	002	2
94	MP1B	Х	-5.975	2
95	MP1B	Z	-10.349	2
96	MP1B	Mx	002	2
97	MP1C	Х	-4.497	2
98	MP1C	Z	-7.79	2
99	MP1C	Mx	.003	2
100	MP2A	Х	-5.886	2
101	MP2A	Z	-10.195	2
102	MP2A	Mx	002	2
103	MP2B	Х	-5.886	2
104	MP2B	Z	-10.195	2
105	MP2B	Mx	002	2
106	MP2C	Х	-4.143	2
107	MP2C	Z	-7.176	2
108	MP2C	Mx	.003	2
109	OVP	Х	-11.12	1
110	OVP	Z	-19.261	1
111	OVP	Mx	004	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	0	.25
2	MP1A	Z	-7.345	.25
3	MP1A	Mx	0	.25
4	MP1A	Х	0	5.75
5	MP1A	Z	-7.345	5.75
6	MP1A	Mx	0	5.75
7	MP1B	Х	0	.25
8	MP1B	Z	-7.236	.25
9	MP1B	Mx	.001	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
10	MP1B	X	0	5.75
11	MP1B	Z	-7.236	5.75
12	MP1B	Mx	.001	5.75
13	MP1C	X	0	.25
14	MP1C	Z	-6.525	.25
15	MP1C	Mx	003	.25
16	MP1C	X	0	5.75
17	MP1C	Z	-6.525	5.75
18	MP1C	Mx	003	5.75
19	MP4A	X	0	.25
20	MP4A	Z	-7.345	.25
21	MP4A	Mx	0	.25
22	MP4A	X	0	5.75
23	MP4A	Z	-7.345	5.75
24	MP4A	Mx	0	5.75
25	MP4B	X	0	.25
26	MP4B	Z	-7.236	.25
27	MP4B	Mx	.001	.25
28	MP4B	X	0	5.75
29	MP4B	Z	-7.236	5.75
30	MP4B	Mx	.001	5.75
31	MP4C	Х	0	.25
32	MP4C	Z	-6.525	.25
33	MP4C	Mx	003	.25
34	MP4C	Х	0	5.75
35	MP4C	Z	-6.525	5.75
36	MP4C	Mx	003	5.75
37	MP2A	Х	0	.5
38	MP2A	Z	-8.501	.5
39	MP2A	Mx	005	.5
40	MP2A	X	0	5.5
41	MP2A	Z	-8.501	5.5
42	MP2A	Mx	005	5.5
43	MP2B	X	0	.5
44	MP2B	Z	-8.164	.5
45	MP2B	Mx	.006	.5
46	MP2B	X	0	5.5
47	MP2B	Z	-8.164	5.5
48	MP2B	Mx	.006	5.5
49	MP2C	X	0	.5
50	MP2C	Z	-5.959	.5
51	MP2C	Mx	002	.5
52	MP2C	X	0	5.5
53	MP2C	Z	-5.959	5.5
54	MP2C	Mx	002	5.5
55	MP2A	X	0	.5
56	MP2A	Z	-8.501	.5
57	MP2A	Mx	.005	.5
58	MP2A	X	0	5.5
59	MP2A	Z	-8.501	5.5
60	MP2A	Mx	.005	5.5
61	MP2B	Х	0	.5
62	MP2B	Z	-8.164	.5
63	MP2B	Mx	003	.5
64	MP2B	X	0	5.5
65	MP2B	Z	-8.164	5.5
66	MP2B	Mx	003	5.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
67	MP2C	Х	0	.5
68	MP2C	Z	-5.959	.5
69	MP2C	Mx	004	.5
70	MP2C	Х	0	5.5
71	MP2C	Z	-5.959	5.5
72	MP2C	Mx	004	5.5
73	MP3A	X	0	2
74	MP3A	7	-4 897	2
75	MP3A	Mx	0	2
76	MP3A	X	0	4
77	MP3A	7	-4 897	4
78	MP3A	Mx	0	4
79	MP3B	X	0	2
80	MP3B	7	-4 548	2
81	MP3B	My	000778	2
82	MP3B	Y		<u> </u>
02	MD2R	7	1 5 4 9	4
0.0	MD2D		-4.340	4
04 95	MD3C		.000778	4
00	MD2C	7	2,266	2
00	MP2C		-2.200	2
0/	MP3C	IVIX	001	2
88	MP3C	× 7	0	4
89	MP3C		-2.266	4
90	MP3C	IVIX	001	4
91	MP1A	X	0	2
92	MP1A	<u> </u>	-3.896	2
93	MP1A	Mx	0	2
94	MP1B	<u>X</u>	0	2
95	MP1B	Ζ	-2.927	2
96	MP1B	Mx	000845	2
97	MP1C	X	0	2
98	MP1C	Z	-2.927	2
99	MP1C	Mx	.000845	2
100	MP2A	X	0	2
101	MP2A	Z	-3.896	2
102	MP2A	Mx	0	2
103	MP2B	Х	0	2
104	MP2B	Z	-2.752	2
105	MP2B	Mx	000794	2
106	MP2C	Х	0	2
107	MP2C	Z	-2.752	2
108	MP2C	Mx	.000794	2
109	OVP	Х	0	1
110	OVP	Z	-6.454	1
111	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	3.556	.25
2	MP1A	Z	-6.16	.25
3	MP1A	Mx	002	.25
4	MP1A	Х	3.556	5.75
5	MP1A	Z	-6.16	5.75
6	MP1A	Mx	002	5.75
7	MP1B	Х	3.4	.25
8	MP1B	Z	-5.889	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
9	MP1B	Mx	.003	.25
10	MP1B	X	3.4	5.75
11	MP1B	Z	-5.889	5.75
12	MP1B	Mx	.003	5.75
13	MP1C	X	3.48	.25
14	MP1C	Z	-6.028	.25
15	MP1C	Mx	002	.25
16	MP1C	Х	3.48	5.75
17	MP1C	Z	-6.028	5.75
18	MP1C	Mx	002	5.75
19	MP4A	Х	3.556	.25
20	MP4A	Z	-6.16	.25
21	MP4A	Mx	002	.25
22	MP4A	Х	3.556	5.75
23	MP4A	Z	-6.16	5.75
24	MP4A	Mx	002	5.75
25	MP4B	Х	3.4	.25
26	MP4B	Z	-5.889	.25
27	MP4B	Mx	.003	.25
28	MP4B	Х	3.4	5.75
29	MP4B	Z	-5.889	5.75
30	MP4B	Mx	.003	5.75
31	MP4C	Х	3.48	.25
32	MP4C	Z	-6.028	.25
33	MP4C	Mx	002	.25
34	MP4C	Х	3.48	5.75
35	MP4C	Z	-6.028	5.75
36	MP4C	Mx	002	5.75
37	MP2A	Х	3.891	.5
38	MP2A	Z	-6.739	.5
39	MP2A	Mx	006	.5
40	MP2A	X	3.891	5.5
41	MP2A	Z	-6.739	5.5
42	MP2A	Mx	006	5.5
43	MP2B	X	3.406	.5
44	MP2B	Z	-5.899	.5
45	MP2B	Mx	.005	.5
46	MP2B	X	3.406	5.5
47	MP2B	Ζ	-5.899	5.5
48	MP2B	Mx	.005	5.5
49	MP2C	X	3.656	.5
50	MP2C	Z	-6.332	.5
51	MP2C	Mx	.000684	.5
52	MP2C	X	3.656	5.5
53	MP2C	Z	-6.332	5.5
54	MP2C	Mx	.000684	5.5
55	MP2A	Χ	3.891	.5
56	MP2A	Z	-6.739	.5
57	MP2A	Mx	.002	.5
58	MP2A	X	3.891	5.5
59	MP2A	Z	-6.739	5.5
60	MP2A	Mx	.002	5.5
61	MP2B	<u> </u>	3.406	.5
62	MP2B	Z	-5.899	.5
63	MP2B	Mx	.000237	.5
64	MP2B	X	3.406	5.5
65	MP2B	Z	-5.899	5.5
# Member Point Loads (BLC 28 : Antenna Wm (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
66	MP2B	Mx	.000237	5.5
67	MP2C	X	3.656	.5
68	MP2C	Z	-6.332	.5
69	MP2C	Mx	005	.5
70	MP2C	X	3.656	5.5
71	MP2C	Z	-6.332	5.5
72	MP2C	Mx	005	5.5
73	MP3A	X	2.076	2
74	MP3A	Z	-3.595	2
75	MP3A	Mx	001	2
76	MP3A	X	2.076	4
77	MP3A	Z	-3.595	4
78	MP3A	Mx	001	4
79	MP3B	X	1.574	2
80	MP3B	Z	-2.726	2
81	MP3B	Mx	.001	2
82	MP3B	X	1.574	4
83	MP3B	Z	-2.726	4
84	MP3B	Mx	.001	4
85	MP3C	X	1.833	2
86	MP3C	Z	-3.174	2
87	MP3C	Mx	001	2
88	MP3C	X	1.833	4
89	MP3C	Z	-3.174	4
90	MP3C	Mx	001	4
91	MP1A	X	1.787	2
92	MP1A	Z	-3.095	2
93	MP1A	Mx	.000596	2
94	MP1B	X	1.302	2
95	MP1B	Z	-2.256	2
96	MP1B	Mx	000868	2
97	MP1C	X	1.787	2
98	MP1C	Z	-3.095	2
99	MP1C	Mx	.000596	2
100	MP2A	X	1.757	2
101	MP2A	Z	-3.044	2
102	MP2A	Mx	.000586	2
103	MP2B	X	1.185	2
104	MP2B	Z	-2.053	2
105	MP2B	Mx	00079	2
106	MP2C	X	1.757	2
107	MP2C	Z	-3.044	2
108	MP2C	Mx	.000586	2
109	OVP	X	3.478	1
110	OVP	Z	-6.024	1
111	OVP	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	5.757	.25
2	MP1A	Z	-3.324	.25
3	MP1A	Mx	003	.25
4	MP1A	Х	5.757	5.75
5	MP1A	Z	-3.324	5.75
6	MP1A	Mx	003	5.75
7	MP1B	Х	5.581	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
8	MP1B	Z	-3.222	.25
9	MP1B	Mx	.003	.25
10	MP1B	Х	5.581	5.75
11	MP1B	Z	-3.222	5.75
12	MP1B	Mx	.003	5.75
13	MP1C	X	6.337	.25
14	MP1C	Z	-3.658	.25
15	MP1C	Mx	000635	.25
16	MP1C	Х	6.337	5.75
17	MP1C	Z	-3.658	5.75
18	MP1C	Mx	000635	5.75
19	MP4A	X	5.757	.25
20	MP4A	Z	-3.324	.25
21	MP4A	Mx	003	.25
22	MP4A	Х	5.757	5.75
23	MP4A	Z	-3.324	5.75
24	MP4A	Mx	003	5.75
25	MP4B	X	5.581	.25
26	MP4B	Z	-3.222	.25
27	MP4B	Mx	.003	.25
28	MP4B	Х	5.581	5.75
29	MP4B	Z	-3.222	5.75
30	MP4B	Mx	.003	5.75
31	MP4C	<u>X</u>	6.337	.25
32	MP4C	Z	-3.658	.25
33	MP4C	Mx	000635	.25
34	MP4C	X	6.337	5.75
35	MP4C	Z	-3.658	5.75
36	MP4C	Mx	000635	5.75
37	MP2A	<u> </u>	5.492	.5
38	MP2A	<u> </u>	-3.1/1	.5
39	MP2A	Mx	004	.5
40	MP2A	<u> </u>	5.492	5.5
41	MP2A		-3.171	5.5
42	MP2A		004	5.5
43	MP2B	X	4.944	.5
44	MP2B		-2.834	.5
45	MD2D		.003	.0
40		7	2 954	5.5
4/			-2.004	5.5
40		IVIX V	7 287	5.5
50	MD2C	7	1.201	.5
51	MP2C	∠ M⊻	-4.207	.5
52	MP2C	IVIX Y	7 287	.5
52	MP2C	7	_/ 207	5.5
53	MP2C		-4.207	5.5
55	MD2A	VIX Y	5 /02	5.5
56		7	3 171	.5
57	ΜΡ2Δ		_ 001	.5
58		Y VIA	5 / 02	.5
50	ΜΡ2Δ	7		5.5
60			001	5.5
61	MP2R	X		5.5
62	MP2R	7	_2 854	.5
63	MP2R	My	002	.5
64	MP2R	X	<u> </u>	
			4.044	0.0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
65	MP2B	Z	-2.854	5.5
66	MP2B	Mx	.002	5.5
67	MP2C	Х	7.287	.5
68	MP2C	Z	-4.207	.5
69	MP2C	Mx	005	.5
70	MP2C	X	7,287	5.5
71	MP2C	7	-4 207	5.5
72	MP2C	Mx	- 005	5.5
73	MP3A	X	2 305	2
74	MP3A	7	-1.331	2
75	MP3A	Mx	- 001	2
76	MP3A	X	2 305	4
77	MP3A	7		
78	MP3A	My	- 001	
70	MP3B	X	1 738	2
80	MD3B	7	1.003	2
<u> </u>	MD2P		-1.005	2
01	MD2D		1 729	<u>Z</u>
02	MD2D	7	1.730	4
03			-1.003	4
04	NP30		.000966	4
65	MP3C		4.103	2
80	MP3C		-2.403	2
8/	MP3C	MIX	000417	2
88	MP3C	X 7	4.163	4
89	MP3C	<u> </u>	-2.403	4
90	MP3C	Mx	000417	4
91	<u>MP1A</u>	<u> </u>	2.535	2
92	MP1A	Z	-1.464	2
93	<u>MP1A</u>	Mx	.000845	2
94	MP1B	X	2.535	2
95	MP1B	Z	-1.464	2
96	MP1B	Mx	000845	2
97	MP1C	Χ	3.374	2
98	MP1C	Z	-1.948	2
99	MP1C	Mx	0	2
100	MP2A	Х	2.383	2
101	MP2A	Z	-1.376	2
102	MP2A	Mx	.000794	2
103	MP2B	Х	2.383	2
104	MP2B	Z	-1.376	2
105	MP2B	Mx	000794	2
106	MP2C	Х	3.374	2
107	MP2C	Z	-1.948	2
108	MP2C	Mx	0	2
109	OVP	Х	6.892	1
110	OVP	Z	-3.979	1
111	OVP	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	6.416	.25
2	MP1A	Z	0	.25
3	MP1A	Mx	003	.25
4	MP1A	Х	6.416	5.75
5	MP1A	Z	0	5.75
6	MP1A	Mx	003	5.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
7	MP1B	X	6.525	.25
8	MP1B	Z	0	.25
9	MP1B	Mx	.003	.25
10	MP1B	Х	6.525	5.75
11	MP1B	Z	0	5.75
12	MP1B	Mx	.003	5.75
13	MP1C	Х	7.236	.25
14	MP1C	Z	0	.25
15	MP1C	Mx	.001	.25
16	MP1C	Х	7.236	5.75
17	MP1C	Z	0	5.75
18	MP1C	Mx	.001	5.75
19	MP4A	Х	6.416	.25
20	MP4A	Z	0	.25
21	MP4A	Mx	003	.25
22	MP4A	Х	6.416	5.75
23	MP4A	Z	0	5.75
24	MP4A	Mx	003	5.75
25	MP4B	Х	6.525	.25
26	MP4B	Z	0	.25
27	MP4B	Mx	.003	.25
28	MP4B	Х	6.525	5.75
29	MP4B	Z	0	5.75
30	MP4B	Mx	.003	5.75
31	MP4C	Х	7.236	.25
32	MP4C	Z	0	.25
33	MP4C	Mx	.001	.25
34	MP4C	Х	7.236	5.75
35	MP4C	Z	0	5.75
36	MP4C	Mx	.001	5.75
37	MP2A	Х	5.622	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	003	.5
40	MP2A	X	5.622	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	003	5.5
43	MP2B	Х	5.959	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	.002	.5
46	MP2B	Х	5.959	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	.002	5.5
49	MP2C	Х	8.164	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	.006	.5
52	MP2C	Х	8.164	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	.006	5.5
55	MP2A	X	5.622	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	003	.5
58	MP2A	X	5.622	5.5
59	MP2A	Z	0	5.5
60	MP2A	Mx	003	5.5
61	MP2B	X	5.959	.5
62	MP2B	Z	0	.5
63	MP2B	Mx	.004	.5

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

64         MP2B         X         5.959         5.5           65         MP2B         Z         0         5.5           66         MP2C         X         8.164         .5           68         MP2C         X         8.164         .5           69         MP2C         X         8.164         .5           70         MP2C         X         8.164         .5.5           71         MP2C         X         8.164         .5.5           72         MP2C         MX        003         .5.5           73         MP3A         X         1.917         2           74         MP3A         Z         0         2           75         MP3A         X         1.917         4           77         MP3A         X         2.266         2           80         MP3B         Z         0         2           81         MP3B         MX         .001         2           82         MP3B         Z         0         4           78         MP3B         Z         0         4           79         MP3B         Z         0		Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
66         MP2B         Z         0         5.5           66         MP2C         X         8.164         .5           68         MP2C         Z         0         .5           69         MP2C         X         8.164         .5           70         MP2C         X         8.184         .5.5           71         MP2C         Z         0         .5           73         MP3A         X         1.917         2           74         MP3A         Z         0         .2           75         MP3A         X         1.917         4           76         MP3A         X         1.917         4           78         MP3A         X         1.917         4           79         MP3A         Z         0         4           78         MP3A         X         2.266         2           80         MP3B         Z         0         2           81         MP3B         M         .001         4           85         MP3C         Z         0         2           86         MP3C         Z         0         2	64	MP2B	X	5.959	5.5
66         MP2B         Mx         .004         5.5           67         MP2C         X         8.164         .5           68         MP2C         Z         0         .5           70         MP2C         X         8.164         5.5           71         MP2C         X         8.164         5.5           71         MP2C         Z         0         5.5           73         MP3A         X         1.917         2           74         MP3A         Z         0         2           75         MP3A         X         1.917         4           77         MP3A         Z         0         4           78         MP3A         X         2.266         2           80         MP3B         X         2.266         4           81         MP3B         X         2.266         4           82         MP3B         Z         0         4           84         MP3B         X         2.266         4           83         MP3C         Z         0         4           84         MP3B         Z         0         2 <td>65</td> <td>MP2B</td> <td>Z</td> <td>0</td> <td>5.5</td>	65	MP2B	Z	0	5.5
67         MP2C         X         8.164         .5           68         MP2C         Z         0         .5           70         MP2C         X         8.164         .55           71         MP2C         Z         0         .55           72         MP2C         Z         0         .55           72         MP2C         Z         0         .55           73         MP3A         X         1.917         2           74         MP3A         Z         0         2           75         MP3A         MX        000958         2           76         MP3A         X         1.917         4           79         MP3A         Z         0         4           78         MP3A         X         2.266         2           80         MP3B         X         2.266         4         4           81         MP3B         MX         .001         2         4           82         MP3B         X         2.266         4         4           83         MP3B         X         0.2         0         2           84 <td>66</td> <td>MP2B</td> <td>Mx</td> <td>.004</td> <td>5.5</td>	66	MP2B	Mx	.004	5.5
68         MP2C         Z         0         5           70         MP2C         Xx         8.164         5.5           71         MP2C         Z         0         3.5           72         MP2C         MX        003         5.5           73         MP3A         X         1.917         2           74         MP3A         Z         0         2           75         MP3A         X         1.917         4           77         MP3A         X         1.917         4           78         MP3A         X         2.266         2           80         MP3B         X         2.266         4           81         MP3B         MX         .001         2           82         MP3B         X         2.266         4           84         MP3B         MX         .001         2           85         MP3C         X         4.548         2           86         MP3C         Z         0         4           84         MP3C         X         4.548         4           89         MP3C         Z         0 <t< td=""><td>67</td><td>MP2C</td><td>X</td><td>8.164</td><td>.5</td></t<>	67	MP2C	X	8.164	.5
69         MP2C         Mx        003         .5           70         MP2C         X         8.164         5.5           71         MP2C         Z         0         5.5           72         MP2C         MX        003         5.5           73         MP3A         X         1.917         2           74         MP3A         X         1.917         4           75         MP3A         X         1.917         4           76         MP3A         X         1.917         4           77         MP3A         Z         0         4           78         MP3A         X         2.266         2           80         MP3B         Z         0         2           81         MP3B         MX         0.01         2           82         MP3B         X         2.266         4           83         MP3B         Z         0         4           84         MP3B         X         2.266         4           83         MP3C         X         4.548         2           84         MP3C         X         4.548	68	MP2C	Z	0	.5
T0         MP2C         X         8.164         5.5           T1         MP2C         Z         0         5.5           T2         MP2C         Mx        003         5.5           T3         MP3A         X         1.917         2           T6         MP3A         Mx        000958         2           T6         MP3A         X         1.917         4           T7         MP3A         X         1.917         4           T7         MP3A         Z         0         4           T7         MP3A         X         2.266         2           80         MP3B         X         2.266         4           81         MP3B         Mx         0.01         2           82         MP3B         X         2.266         4           83         MP3C         X         4.548         2           84         MP3B         Z         0         4           85         MP3C         X         4.548         2           86         MP3C         X         4.548         4           90         MP3C         X         3.573	69	MP2C	Mx	003	.5
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	70	MP2C	Х	8.164	5.5
12         MP2C         Mx $-003$ 5.5           73         MP3A         X         1.917         2           74         MP3A         Z         0         2           75         MP3A         MX        000958         2           76         MP3A         X         1.917         4           77         MP3A         Z         0         4           78         MP3A         MX        000958         4           79         MP3B         X         2.266         2           80         MP3B         X         0.01         2           82         MP3B         MX         0.01         4           83         MP3B         Z         0         4           84         MP3B         MX         0.01         4           85         MP3C         Z         0         2           87         MP3C         Z         0         2           88         MP3C         Z         0         2           90         MP3C         Z         0         2           91         MP1A         X         2.605         2 </td <td>71</td> <td>MP2C</td> <td>Z</td> <td>0</td> <td>5.5</td>	71	MP2C	Z	0	5.5
73         MP3A         X         1.917         2           74         MP3A         Z         0         2           75         MP3A         Mx        000958         2           76         MP3A         X         1.917         4           77         MP3A         Z         0         4           78         MP3A         X         1.917         4           79         MP3B         Z         0         4           78         MP3B         X         2.266         2           80         MP3B         Z         0         2           81         MP3B         Z         0         4           83         MP3B         Z         0         4           84         MP3C         X         4.548         2           86         MP3C         X         4.548         2           86         MP3C         X         4.548         4           89         MP3C         X         4.548         4           90         MP3C         Mx         0.00778         2           91         MP1A         X         2.605         2 </td <td>72</td> <td>MP2C</td> <td>Mx</td> <td>003</td> <td>5.5</td>	72	MP2C	Mx	003	5.5
74       MP3A       Z       0       2 $75$ MP3A       Mx      000958       2 $76$ MP3A       X       1.917       4 $77$ MP3A       Z       0       4 $78$ MP3A       Mx      000958       4 $79$ MP3B       X       2.266       2 $80$ MP3B       Z       0       2 $81$ MP3B       Mx       .001       2 $82$ MP3B       X       2.266       4 $83$ MP3B       X       2.266       4 $84$ MP3B       X       2.266       4 $83$ MP3B       Z       0       4 $84$ MP3B       X       4.548       2 $86$ MP3C       X       4.548       4 $86$ MP3C       Z       0       2 $97$ MP1A       X       2.605       2 $90$ MP3C       Z       0       2 $93$ MP1A       X       3.673       2 <td>73</td> <td>MP3A</td> <td>X</td> <td>1.917</td> <td>2</td>	73	MP3A	X	1.917	2
75         MP3A         Mx $-000958$ 2           76         MP3A         X         1.917         4           77         MP3A         Z         0         4           78         MP3A         X         2.266         2           80         MP3B         Z         0         2           81         MP3B         X         2.266         4           83         MP3B         Z         0         4           84         MP3B         X         2.266         4           84         MP3B         X         0.01         4           84         MP3B         X         0.01         4           85         MP3C         X         4.548         2           86         MP3C         X         4.548         4           89         MP3C         X         4.648         4           90         MP3C         Mx         0.00778         4           91         MP1A         X         2.605         2           92         MP1A         Z         0         2           93         MP1A         Mx         .000686	74	MP3A	Z	0	2
76         MP3A         X         1.917         4           77         MP3A         Z         0         4           78         MP3A         Mx        000958         4           79         MP3B         X         2.266         2           80         MP3B         Z         0         2           81         MP3B         MX         .001         2           82         MP3B         X         2.266         4           83         MP3B         Z         0         4           84         MP3B         MX         .001         4           85         MP3C         X         4.548         2           86         MP3C         Z         0         2           87         MP3C         X         4.548         4           90         MP3C         Z         0         4           90         MP3C         X         2.605         2           92         MP1A         Z         0         2           93         MP1A         X         3.573         2           94         MP1B         X         3.573         2 <td>75</td> <td>MP3A</td> <td>Mx</td> <td>000958</td> <td>2</td>	75	MP3A	Mx	000958	2
77         MP3A         Z         0         4           78         MP3A         Mx        000958         4           79         MP3B         X         2.266         2           80         MP3B         Z         0         2           81         MP3B         Mx         .001         2           82         MP3B         X         2.266         4           83         MP3B         Z         0         4           84         MP3B         Mx         .001         4           85         MP3C         Z         0         4           86         MP3C         Z         0         2           87         MP3C         Mx         .000778         2           88         MP3C         Z         0         4           89         MP3C         Z         0         2           91         MP1A         X         2.605         2           92         MP1A         Z         0         2           93         MP1A         X         3.573         2           94         MP1B         X         3.573         2	76	MP3A	Х	1.917	4
78         MP3A         Mx $-000958$ 4 $79$ MP3B         X         2.266         2 $80$ MP3B         X         2.266         4 $81$ MP3B         X         2.266         4 $83$ MP3B         Z         0         4 $84$ MP3B         Z         0         4 $84$ MP3B         X         4.548         2 $86$ MP3C         Z         0         2 $86$ MP3C         Z         0         4 $89$ MP3C         X         4.548         4 $90$ MP3C         Z         0         4 $90$ MP3C         Z         0         2 $92$ MP1A         X         2.605         2 $92$ MP1A         Z         0         2 $94$ MP1B         X         3.573         2 $94$ MP1B         X         3.573         2 $96$ MP1B         X <t< td=""><td>77</td><td>MP3A</td><td>Z</td><td>0</td><td>4</td></t<>	77	MP3A	Z	0	4
79         MP3B         X         2.266         2           80         MP3B         Z         0         2           81         MP3B         Mx         .001         2           82         MP3B         X         2.266         4           83         MP3B         Z         0         4           84         MP3B         Mx         .001         4           85         MP3C         X         4.548         2           86         MP3C         Z         0         2           88         MP3C         X         4.548         4           89         MP3C         Z         0         4           90         MP3C         X         2.605         2           91         MP1A         X         2.605         2           92         MP1A         Mx         .000868         2           94         MP1B         X         3.573         2           96         MP1B         Mx         .000596         2           97         MP1C         X         3.573         2           100         MP2A         X         2.37	78	MP3A	Mx	000958	4
80         MP3B         Z         0         2           81         MP3B         Mx         .001         2           82         MP3B         X         2.266         4           83         MP3B         Z         0         4           84         MP3B         X         2.266         4           84         MP3B         Mx         .001         4           84         MP3C         X         4.548         2           86         MP3C         Z         0         2           87         MP3C         Mx         .000778         2           88         MP3C         X         4.548         4           90         MP3C         Mx         .000778         4           91         MP1A         X         2.605         2           92         MP1A         Z         0         2           93         MP1A         X         3.573         2           94         MP1B         Z         0         2           96         MP1B         Mx         .000596         2           99         MP1C         Mx         .000596	79	MP3B	Х	2.266	2
81         MP3B         Mx         001         2           82         MP3B         X         2.266         4           83         MP3B         Z         0         4           84         MP3B         MX         .001         4           84         MP3B         MX         .001         4           85         MP3C         X         4.548         2           86         MP3C         Z         0         2           87         MP3C         X         4.548         4           89         MP3C         Z         0         4           90         MP3C         Z         0         4           90         MP3C         Z         0         2           91         MP1A         X         2.605         2           92         MP1A         Z         0         2           93         MP1A         X         3.573         2           94         MP1B         X         3.573         2           95         MP1B         Z         0         2           98         MP1C         X         3.5173         2 <td>80</td> <td>MP3B</td> <td>Z</td> <td>0</td> <td>2</td>	80	MP3B	Z	0	2
82         MP3B         X $2.266$ 4           83         MP3B         Z         0         4           84         MP3B         Mx         .001         4           84         MP3C         X         4.548         2           86         MP3C         Z         0         2           87         MP3C         X         4.548         4           89         MP3C         X         4.548         4           90         MP3C         X         4.548         4           90         MP3C         Mx         .000778         4           91         MP1A         X         2.6605         2           92         MP1A         Z         0         2           93         MP1A         Mx         .000868         2           94         MP1B         X         3.573         2           95         MP1B         Mx        000596         2           97         MP1C         X         3.573         2           98         MP1C         Z         0         2           100         MP2A         X         2.37	81	MP3B	Mx	.001	2
83         MP3B         Z         0         4           84         MP3B         Mx         001         4           85         MP3C         X         4.548         2           86         MP3C         Z         0         2           87         MP3C         Mx         0.00778         2           88         MP3C         X         4.548         4           89         MP3C         Z         0         4           90         MP3C         Z         0         4           90         MP3C         Mx         0.00778         4           91         MP1A         X         2.605         2           92         MP1A         Z         0         2           93         MP1A         Z         0         2           94         MP1B         X         3.573         2           95         MP1B         Z         0         2           96         MP1C         X         3.573         2           98         MP1C         Z         0         2           100         MP2A         Z         0         2	82	MP3B	Х	2.266	4
84         MP3B         Mx         .001         4           85         MP3C         X         4.548         2           86         MP3C         Z         0         2           87         MP3C         Mx         .000778         2           88         MP3C         X         4.548         4           89         MP3C         Z         0         4           90         MP3C         Z         0         4           90         MP3C         Z         0         4           90         MP3C         Z         0         4           91         MP1A         X         2.605         2           92         MP1A         Z         0         2           93         MP1A         X         3.573         2           94         MP1B         X         3.573         2           95         MP1B         Mx        000596         2           97         MP1C         X         2.37         2           100         MP2A         X         2.37         2           101         MP2A         Z         0         2	83	MP3B	Z	0	4
85         MP3C         X $4.548$ 2           86         MP3C         Z         0         2           87         MP3C         Mx         .000778         2           88         MP3C         X $4.548$ 4           89         MP3C         Z         0         4           90         MP3C         Z         0         4           91         MP1A         X         2.605         2           92         MP1A         Z         0         2           93         MP1A         X         3.573         2           94         MP1B         X         3.573         2           95         MP1B         Z         0         2           96         MP1B         Mx        000596         2           97         MP1C         X         3.573         2           98         MP1C         Z         0         2           99         MP1C         Mx         2.0079         2           100         MP2A         Z         0         2           101         MP2A         Z         0         2	84	MP3B	Mx	.001	4
86         MP3C         Z         0         2           87         MP3C         Mx         .000778         2           88         MP3C         X         4.548         4           90         MP3C         Z         0         4           90         MP3C         Mx         .000778         4           91         MP1A         X         2.605         2           92         MP1A         Z         0         2           93         MP1A         X         3.573         2           94         MP1B         X         3.573         2           96         MP1B         Mx         .000596         2           97         MP1C         X         3.573         2           98         MP1C         Z         0         2           99         MP1C         Mx        000596         2           100         MP2A         Z         0         2           101         MP2A         Z         0         2           103         MP2B         X         3.515         2           104         MP2B         Z         0	85	MP3C	X	4.548	2
87         MP3C         Mx         .000778         2           88         MP3C         X         4.548         4           89         MP3C         Z         0         4           90         MP3C         X         4.548         4           90         MP3C         Z         0         4           90         MP3C         Mx         .000778         4           91         MP1A         X         2.605         2           92         MP1A         Z         0         2           93         MP1A         Mx         .000868         2           94         MP1B         X         3.573         2           95         MP1B         Z         0         2           96         MP1B         Mx        000596         2           97         MP1C         X         3.573         2           99         MP1C         Z         0         2           100         MP2A         Z         0         2           100         MP2A         Z         0         2           101         MP2A         Z         0         2 </td <td>86</td> <td>MP3C</td> <td>Z</td> <td>0</td> <td>2</td>	86	MP3C	Z	0	2
88         MP3C         X         4.548         4           89         MP3C         Z         0         4           90         MP3C         Mx         .000778         4           91         MP1A         X         2.605         2           92         MP1A         Z         0         2           93         MP1A         Z         0         2           94         MP1B         X         3.573         2           95         MP1B         Z         0         2           96         MP1B         Mx         .000596         2           97         MP1C         X         3.573         2           98         MP1C         Z         0         2           99         MP1C         Mx        000596         2           101         MP2A         Z         0         2           102         MP2A         Z         0         2           103         MP2B         Z         0         2           104         MP2B         Z         0         2           105         MP2B         X         3.515         2	87	MP3C	Mx	.000778	2
89         MP3C         Z         0         4           90         MP3C         Mx         .000778         4           91         MP1A         X         2.605         2           92         MP1A         Z         0         2           93         MP1A         Z         0         2           93         MP1B         X         3.573         2           95         MP1B         Z         0         2           96         MP1B         X         3.573         2           97         MP1C         X         3.573         2           98         MP1C         Z         0         2           99         MP1C         X         3.573         2           99         MP1C         X         3.573         2           101         MP2A         Z         0         2           102         MP2A         Z         0         2           101         MP2A         Z         0         2           102         MP2B         X         3.515         2           103         MP2B         X         3.515         2	88	MP3C	X	4.548	4
90         MP3C         Mx         .000778         4           91         MP1A         X         2.605         2           92         MP1A         Z         0         2           93         MP1A         X         3.673         2           94         MP1B         X         3.573         2           95         MP1B         Z         0         2           96         MP1B         Mx        000596         2           97         MP1C         X         3.573         2           98         MP1C         Z         0         2           99         MP1C         X         3.573         2           99         MP1C         Mx        000596         2           100         MP2A         X         2.37         2           101         MP2A         Z         0         2           102         MP2A         Z         0         2           103         MP2B         Z         0         2           104         MP2B         Z         0         2           105         MP2B         Mx        000586	89	MP3C	Z	0	4
91         MP1A         X         2.605         2           92         MP1A         Z         0         2           93         MP1A         Mx         .000868         2           94         MP1B         X         3.573         2           95         MP1B         Z         0         2           96         MP1B         Mx        000596         2           97         MP1C         X         3.573         2           98         MP1C         Z         0         2           99         MP1C         X         3.573         2           99         MP1C         X         3.573         2           99         MP1C         X         3.573         2           100         MP2A         X         2.37         2           101         MP2A         Z         0         2           102         MP2A         Z         0         2           103         MP2B         Z         0         2           104         MP2B         Z         0         2           105         MP2B         Mx        000586 <t< td=""><td>90</td><td>MP3C</td><td>Mx</td><td>.000778</td><td>4</td></t<>	90	MP3C	Mx	.000778	4
92         MP1A         Z         0         2           93         MP1A         Mx         .000868         2           94         MP1B         X         3.573         2           95         MP1B         Z         0         2           96         MP1B         X         3.573         2           96         MP1B         Mx        000596         2           97         MP1C         X         3.573         2           98         MP1C         Z         0         2           99         MP1C         X         2.37         2           100         MP2A         X         2.37         2           101         MP2A         X         2.37         2           102         MP2A         X         3.515         2           103         MP2B         Z         0         2           104         MP2B         Z         0         2           105         MP2B         Z         0         2           105         MP2B         Z         0         2           106         MP2C         X         3.515         2 </td <td>91</td> <td>MP1A</td> <td>X</td> <td>2.605</td> <td>2</td>	91	MP1A	X	2.605	2
93         MP1A         Mx         .000868         2           94         MP1B         X         3.573         2           95         MP1B         Z         0         2           96         MP1B         Mx        000596         2           97         MP1C         X         3.573         2           98         MP1C         Z         0         2           99         MP1C         X         3.573         2           100         MP2A         X         3.573         2           101         MP2A         Z         0         2           100         MP2A         X         2.37         2           101         MP2A         Z         0         2           102         MP2A         Z         0         2           103         MP2B         Z         0         2           104         MP2B         Z         0         2           105         MP2B         Mx        000586         2           106         MP2C         Z         0         2           108         MP2C         Mx        000586	92	MP1A	Z	0	2
94         MP1B         X         3.573         2           95         MP1B         Z         0         2           96         MP1B         Mx        000596         2           97         MP1C         X         3.573         2           98         MP1C         Z         0         2           99         MP1C         Mx        000596         2           100         MP2A         X         2.37         2           101         MP2A         Z         0         2           102         MP2A         Z         0         2           103         MP2B         X         3.515         2           104         MP2B         Z         0         2           105         MP2B         Mx        000586         2           106         MP2C         Z         0         2           108         MP2C         Mx        000586         2           109         OVP         X         8.46         1           110         OVP         Z         0         1	93	MP1A	Mx	.000868	2
95         MP1B         Z         0         2           96         MP1B         Mx        000596         2           97         MP1C         X         3.573         2           98         MP1C         Z         0         2           99         MP1C         X         3.573         2           100         MP2A         X         2.37         2           101         MP2A         Z         0         2           102         MP2A         Z         0         2           103         MP2B         Z         0         2           104         MP2B         Z         0         2           105         MP2B         Mx        000586         2           106         MP2C         X         3.515         2           106         MP2C         Z         0         2           106         MP2C         Z         0         2           108         MP2C         Mx        000586         2           109         OVP         X         8.46         1           110         OVP         Z         0         1 </td <td>94</td> <td>MP1B</td> <td>X</td> <td>3.573</td> <td>2</td>	94	MP1B	X	3.573	2
96         MP1B         Mx        000596         2           97         MP1C         X         3.573         2           98         MP1C         Z         0         2           99         MP1C         Mx        000596         2           100         MP2A         X         2.37         2           101         MP2A         Z         0         2           102         MP2A         Z         0         2           103         MP2B         X         3.515         2           104         MP2B         Z         0         2           105         MP2B         Mx        000586         2           106         MP2C         X         3.515         2           107         MP2C         Z         0         2           108         MP2C         Mx        000586         2           109         OVP         X         8.46         1           110         OVP         Z         0         1           111         OVP         Mx         .003         1	95	MP1B	Z	0	2
97         MP1C         X         3.573         2           98         MP1C         Z         0         2           99         MP1C         Mx        000596         2           100         MP2A         X         2.37         2           101         MP2A         Z         0         2           102         MP2A         Z         0         2           103         MP2B         X         3.515         2           104         MP2B         Z         0         2           105         MP2B         Mx        000586         2           106         MP2C         X         3.515         2           107         MP2C         Z         0         2           108         MP2C         X         3.515         2           109         OVP         X         8.46         1           110         OVP         Z         0         1           111         OVP         Mx         .003         1	96	MP1B	Mx	000596	2
98         MP1C         Z         0         2           99         MP1C         Mx        000596         2           100         MP2A         X         2.37         2           101         MP2A         Z         0         2           102         MP2A         Z         0         2           103         MP2B         X         3.515         2           104         MP2B         Z         0         2           105         MP2B         Z         0         2           105         MP2B         Z         0         2           106         MP2C         X         3.515         2           107         MP2C         Z         0         2           108         MP2C         X         3.515         2           109         OVP         X         8.46         1           110         OVP         Z         0         1           111         OVP         Mx         .003         1	97	MP1C	X	3.573	2
99         MP1C         Mx        000596         2           100         MP2A         X         2.37         2           101         MP2A         Z         0         2           102         MP2A         Mx         .00079         2           103         MP2B         X         3.515         2           104         MP2B         Z         0         2           105         MP2B         Mx        000586         2           106         MP2C         X         3.515         2           107         MP2C         Z         0         2           108         MP2C         X         3.515         2           109         OVP         X         8.46         1           110         OVP         Z         0         1           111         OVP         Mx         .003         1	98	MP1C	Z	0	2
100         MP2A         X         2.37         2           101         MP2A         Z         0         2           102         MP2A         Mx         .00079         2           103         MP2B         X         3.515         2           104         MP2B         Z         0         2           105         MP2B         X         3.515         2           106         MP2C         X         3.515         2           106         MP2C         X         3.515         2           106         MP2C         Z         0         2           107         MP2C         Z         0         2           108         MP2C         X         3.46         1           109         OVP         X         8.46         1           110         OVP         Z         0         1           111         OVP         Mx         .003         1	99	MP1C	Mx	000596	2
101         MP2A         Z         0         2           102         MP2A         Mx         .00079         2           103         MP2B         X         3.515         2           104         MP2B         Z         0         2           105         MP2B         Mx        000586         2           106         MP2C         X         3.515         2           107         MP2C         Z         0         2           108         MP2C         Mx        000586         2           109         OVP         X         8.46         1           110         OVP         Z         0         1           111         OVP         Mx         .003         1	100	MP2A	X	2.37	2
102         MP2A         Mx         .00079         2           103         MP2B         X         3.515         2           104         MP2B         Z         0         2           105         MP2B         Mx        000586         2           106         MP2C         X         3.515         2           107         MP2C         Z         0         2           108         MP2C         Mx        000586         2           109         OVP         X         8.46         1           110         OVP         Z         0         1           111         OVP         Mx         .003         1	101	MP2A	Z	0	2
103         MP2B         X         3.515         2           104         MP2B         Z         0         2           105         MP2B         Mx        000586         2           106         MP2C         X         3.515         2           107         MP2C         Z         0         2           108         MP2C         Mx        000586         2           109         OVP         X         8.46         1           110         OVP         Z         0         1           111         OVP         Mx         .003         1	102	MP2A	Mx	.00079	2
104         MP2B         Z         0         2           105         MP2B         Mx        000586         2           106         MP2C         X         3.515         2           107         MP2C         Z         0         2           108         MP2C         Mx        000586         2           109         OVP         X         8.46         1           110         OVP         Z         0         1           111         OVP         Mx         .003         1	103	MP2B	X	3.515	2
105         MP2B         Mx        000586         2           106         MP2C         X         3.515         2           107         MP2C         Z         0         2           108         MP2C         Mx        000586         2           109         OVP         X         8.46         1           110         OVP         Z         0         1           111         OVP         Mx         .003         1	104	MP2B	Z	0	2
106         MP2C         X         3.515         2           107         MP2C         Z         0         2           108         MP2C         Mx        000586         2           109         OVP         X         8.46         1           110         OVP         Z         0         1           111         OVP         Mx         .003         1	105	MP2B	Mx	000586	2
107         MP2C         Z         0         2           108         MP2C         Mx        000586         2           109         OVP         X         8.46         1           110         OVP         Z         0         1           111         OVP         Mx         .003         1	106	MP2C	X	3.515	2
108         MP2C         Mx        000586         2           109         OVP         X         8.46         1           110         OVP         Z         0         1           111         OVP         Mx         .003         1	107	MP2C	Z	0	2
109         OVP         X         8.46         1           110         OVP         Z         0         1           111         OVP         Mx         .003         1	108	MP2C	Mx	000586	2
110         OVP         Z         0         1           111         OVP         Mx         .003         1	109	OVP	X	8.46	1
111 OVP Mx .003 1	110	OVP	Z	0	1
	111	OVP	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	5.757	.25
2	MP1A	Z	3.324	.25
3	MP1A	Mx	003	.25
4	MP1A	Х	5.757	5.75
5	MP1A	Z	3.324	5.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
6	MP1A	Mx	003	5.75
7	MP1B	X	6.028	.25
8	MP1B	Z	3.48	.25
9	MP1B	Mx	.002	.25
10	MP1B	X	6.028	5.75
11	MP1B	Z	3.48	5.75
12	MP1B	Mx	.002	5.75
13	MP1C	Х	5.889	.25
14	MP1C	Z	3.4	.25
15	MP1C	Mx	.003	.25
16	MP1C	X	5.889	5.75
17	MP1C	Z	3.4	5.75
18	MP1C	Mx	.003	5.75
19	MP4A	X	5.757	.25
20	MP4A	Z	3.324	.25
21	MP4A	Mx	003	.25
22	MP4A	X	5.757	5.75
23	MP4A	Z	3.324	5.75
24	MP4A	Mx	003	5.75
25	MP4B	X	6.028	.25
26	MP4B	Z	3.48	.25
27	MP4B	Mx	.002	.25
28	MP4B	X	6.028	5.75
29	MP4B	Z	3.48	5.75
30	MP4B	Mx	.002	5.75
31	MP4C	X	5.889	.25
32	MP4C	Z	3.4	.25
33	MP4C	Mx	.003	.25
34	MP4C	X	5.889	5.75
35	MP4C	Z	3.4	5.75
36	MP4C	Mx	.003	5.75
37	MP2A	Х	5.492	.5
38	MP2A	Z	3.171	.5
39	MP2A	Mx	001	.5
40	MP2A	X	5.492	5.5
41	MP2A	Z	3.171	5.5
42	MP2A	Mx	001	5.5
43	MP2B	X	6.332	.5
44	MP2B	Z	3.656	.5
45	MP2B	Mx	000684	.5
46	MP2B	X	6.332	5.5
47	MP2B	Z	3.656	5.5
48	MP2B	Mx	000684	5.5
49	MP2C	X	5.899	.5
50	MP2C	<u> </u>	3.406	.5
51	MP2C	Mx	.005	.5
52	MP2C	X	5.899	5.5
53	MP2C	Z	3.406	5.5
54	MP2C	Mx	.005	5.5
55	MP2A	<u>X</u>	5.492	.5
56	MP2A	Ζ	3.171	.5
57	MP2A	Mx	004	.5
58	MP2A	X	5.492	5.5
59	MP2A	Z	3.171	5.5
60	MP2A	Mx	004	5.5
61	MP2B	<u>X</u>	6.332	.5
62	MP2B	L	3.656	.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
63	MP2B	Mx	.005	.5
64	MP2B	X	6.332	5.5
65	MP2B	Z	3.656	5.5
66	MP2B	Mx	.005	5.5
67	MP2C	Х	5.899	.5
68	MP2C	Z	3.406	.5
69	MP2C	Mx	.000237	.5
70	MP2C	X	5.899	5.5
71	MP2C	7	3 406	5.5
72	MP2C	Mx	000237	5.5
73	MP3A	X	2 305	2
74	MP3A	7	1 331	2
75	MD3A		001	2
76	MD3A	NIX X	2 305	<u> </u>
70	MD3A	7	1 221	4
70	MD2A		001	4
70	MD2D		001	4
79	IVIP3D MD2D		3.174	2
80	NIP3B MD2D		1.833	2
81	MP3B		.001	2
82	MP3B	<u> </u>	3.174	4
83	MP3B	<u> </u>	1.833	4
84	MP3B	Mx	.001	4
85	MP3C	X	2.726	2
86	MP3C	Z	1.574	2
87	MP3C	Mx	.001	2
88	MP3C	X	2.726	4
89	MP3C	Z	1.574	4
90	MP3C	Mx	.001	4
91	MP1A	X	2.535	2
92	MP1A	Z	1.464	2
93	MP1A	Mx	.000845	2
94	MP1B	X	3.374	2
95	MP1B	Z	1.948	2
96	MP1B	Mx	0	2
97	MP1C	Х	2.535	2
98	MP1C	Z	1.464	2
99	MP1C	Mx	000845	2
100	MP2A	Х	2.383	2
101	MP2A	Z	1.376	2
102	MP2A	Mx	.000794	2
103	MP2B	X	3.374	2
104	MP2B	Z	1.948	2
105	MP2B	Mx	0	2
106	MP2C	X	2.383	2
107	MP2C	Z	1.376	2
108	MP2C	Mx	000794	2
109	OVP	X	6 892	1
110	OVP	7	3 979	1
111	OVP	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	3.556	.25
2	MP1A	Z	6.16	.25
3	MP1A	Mx	002	.25
4	MP1A	Х	3.556	5.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
5	MP1A	Z	6.16	5.75
6	MP1A	Mx	002	5.75
7	MP1B	X	3.658	.25
8	MP1B	Z	6.337	.25
9	MP1B	Mx	.000635	.25
10	MP1B	X	3.658	5.75
11	MP1B	Z	6.337	5.75
12	MP1B	Mx	.000635	5.75
13	MP1C	X	3.222	.25
14	MP1C	Z	5.581	.25
15	MP1C	Mx	.003	.25
16	MP1C	X	3.222	5.75
17	MP1C	Z	5.581	5.75
18	MP1C	Mx	.003	5.75
19	MP4A	X	3.556	.25
20	MP4A	Z	6.16	.25
21	MP4A	Mx	002	.25
22	MP4A	X	3.556	5.75
23	MP4A	Z	6.16	5.75
24	MP4A	Mx	002	5.75
25	MP4B	<u> </u>	3.658	.25
26	MP4B	Z	6.337	.25
27	MP4B	Mx	.000635	.25
28	MP4B	X	3.658	5.75
29	MP4B	<u> </u>	6.337	5.75
30	MP4B	Mx	.000635	5.75
31	MP4C	<u> </u>	3.222	.25
32	MP4C	Z	5.581	.25
33	MP4C	Mx	.003	.25
34	MP4C	<u> </u>	3.222	5.75
35	MP4C		5.581	5.75
36	MP4C	MX V	.003	5.75
37	MP2A	X	3.891	.5
38			0.739	.0
39			.002	.5
40			<u> </u>	5.5
41			002	5.5
42			4 207	5.5
43			7 297	.5
44	MP2R	My	- 004	.5
46	MP2R	X	4 207	5.5
40	MP2R	7	7 287	5.5
48	MP2R	Mx	- 004	5.5
49	MP2C	X	2 854	5
50	MP2C	7	4 944	5
51	MP2C	Mx	00.3	5
52	MP2C	X	2 854	5.5
53	MP2C	7	4 944	5.5
54	MP2C	Mx	003	5.5
55	MP2A	X	3 891	5
56	MP2A	7	6 739	5
57	MP2A	M×	- 006	5
58	MP2A	X	3,891	5.5
59	MP2A	7	6,739	5.5
60	MP2A	Mx	006	5.5
61	MP2B	X	4,207	5
			1.201	

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
62	MP2B	Z	7.287	.5
63	MP2B	Mx	.005	.5
64	MP2B	X	4.207	5.5
65	MP2B	Z	7.287	5.5
66	MP2B	Mx	.005	5.5
67	MP2C	X	2 854	5
68	MP2C	7	4 944	5
69	MP2C	Mx	002	5
70	MP2C	X	2 854	5.5
71	MP2C	7	<u> </u>	5.5
72	MP2C	Mx	002	5.5
73	MP3A	X	2 076	2
74	MD3A	7	3 505	2
74	MP3A		001	2
76	MD2A		2.076	
70	MD3A	7	2.070	4
70	MD2A		001	4
70	MD2D		001	4
79			2.403	2
00			4.103	2
81	IVIP3B		.000417	2
82	MP3B	<u> </u>	2.403	4
83	MP3B		4.163	4
84	MP3B	Mx	.000417	4
85	MP3C	<u> </u>	1.003	2
86	MP3C	<u> </u>	1.738	2
87	MP3C	Mx	.000988	2
88	MP3C	<u> </u>	1.003	4
89	MP3C	Z	1.738	4
90	MP3C	Mx	.000988	4
91	MP1A	X	1.787	2
92	MP1A	Z	3.095	2
93	MP1A	Mx	.000596	2
94	MP1B	X	1.787	2
95	MP1B	Z	3.095	2
96	MP1B	Mx	.000596	2
97	MP1C	X	1.302	2
98	MP1C	Z	2.256	2
99	MP1C	Mx	000868	2
100	MP2A	X	1.757	2
101	MP2A	Z	3.044	2
102	MP2A	Mx	.000586	2
103	MP2B	Х	1.757	2
104	MP2B	Z	3.044	2
105	MP2B	Mx	.000586	2
106	MP2C	Х	1.185	2
107	MP2C	Z	2.053	2
108	MP2C	Mx	00079	2
109	OVP	Х	3.478	1
110	OVP	Z	6.024	1
111	OVP	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	0	.25
2	MP1A	Z	7.345	.25
3	MP1A	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
4	MP1A	Х	0	5.75
5	MP1A	Z	7.345	5.75
6	MP1A	Mx	0	5.75
7	MP1B	X	0	.25
8	MP1B	Z	7.236	.25
9	MP1B	Mx	001	.25
10	MP1B	X	0	5.75
11	MP1B	Z	7.236	5.75
12	MP1B	Mx	001	5.75
13	MP1C	X	0	.25
14	MP1C	Z	6.525	.25
15	MP1C	Mx	.003	.25
16	MP1C	Х	0	5.75
17	MP1C	Z	6.525	5.75
18	MP1C	Mx	.003	5.75
19	MP4A	Х	0	.25
20	MP4A	Z	7.345	.25
21	MP4A	Mx	0	.25
22	MP4A	X	0	5.75
23	MP4A	Z	7.345	5.75
24	MP4A	Mx	0	5.75
25	MP4B	Х	0	.25
26	MP4B	Z	7.236	.25
27	MP4B	Mx	001	.25
28	MP4B	Х	0	5.75
29	MP4B	Z	7.236	5.75
30	MP4B	Mx	001	5.75
31	MP4C	Х	0	.25
32	MP4C	Z	6.525	.25
33	MP4C	Mx	.003	.25
34	MP4C	Х	0	5.75
35	MP4C	Z	6.525	5.75
36	MP4C	Mx	.003	5.75
37	MP2A	Х	0	.5
38	MP2A	Z	8.501	.5
39	MP2A	Mx	.005	.5
40	MP2A	Х	0	5.5
41	MP2A	Z	8.501	5.5
42	MP2A	Mx	.005	5.5
43	MP2B	Х	0	.5
44	MP2B	Z	8.164	.5
45	MP2B	Mx	006	.5
46	MP2B	Х	0	5.5
47	MP2B	Z	8.164	5.5
48	MP2B	Mx	006	5.5
49	MP2C	Х	0	.5
50	MP2C	Z	5.959	.5
51	MP2C	Mx	.002	.5
52	MP2C	Х	0	5.5
53	MP2C	Z	5.959	5.5
54	MP2C	Mx	.002	5.5
55	MP2A	Х	0	.5
56	MP2A	Z	8.501	.5
57	MP2A	Mx	005	.5
58	MP2A	Х	0	5.5
59	MP2A	Z	8.501	5.5
60	MP2A	Mx	005	5.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
61	MP2B	X	0	.5
62	MP2B	Z	8.164	.5
63	MP2B	Mx	.003	.5
64	MP2B	Х	0	5.5
65	MP2B	Z	8,164	5.5
66	MP2B	Mx	003	5.5
67	MP2C	X	0	5
68	MP2C	7	5 959	
69	MP2C	Mx	004	.5
70	MP2C	X	0	55
70	MP2C	7	5 959	5.5
72	MP2C		004	5.5
72			.004	0.0
73	NIP3A		1 207	2
74	MP3A		4.897	2
75	MP3A	NX	0	2
76	MP3A	<u> </u>	0	4
//	MP3A	<u> </u>	4.897	4
/8	MP3A	Mx	0	4
79	MP3B	<u> </u>	0	2
80	MP3B	Z	4.548	2
81	MP3B	Mx	000778	2
82	MP3B	X	0	4
83	MP3B	Z	4.548	4
84	MP3B	Mx	000778	4
85	MP3C	X	0	2
86	MP3C	Z	2.266	2
87	MP3C	Mx	.001	2
88	MP3C	X	0	4
89	MP3C	Z	2.266	4
90	MP3C	Mx	.001	4
91	MP1A	X	0	2
92	MP1A	7	3 896	2
93	MP1A	Mx	0	2
94	MP1B	X	Ő	2
95	MP1B	7	2 927	2
96	MP1B	Mx	000845	2
97	MP1C	X	0	2
08	MP1C	7	2 027	2
00	MP1C	<u> </u>	000845	2
100	MD2A		000043	2
100		7	3 806	2
101			3.090	2
102			0	<u>∠</u>
103		λ 7	0 750	2
104			2.752	<u>∠</u>
105	INIP2B	IVIX	.000794	2
106	MP2C	X	0.750	2
107	MP2C		2.752	2
108	MP2C	Mx	000794	2
109	OVP	<u>X</u>	0	1
110	OVP		6.454	1
111	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	-3.556	.25
2	MP1A	Z	6.16	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
3	MP1A	Mx	.002	.25
4	MP1A	Х	-3.556	5.75
5	MP1A	Z	6.16	5.75
6	MP1A	Mx	.002	5.75
7	MP1B	X	-3.4	.25
8	MP1B	Z	5.889	.25
9	MP1B	Mx	003	.25
10	MP1B	<u> </u>	-3.4	5.75
11	MP1B	Z	5.889	5.75
12	MP1B	Mx	003	5.75
13	MP1C	<u> </u>	-3.48	.25
14	MP1C	<u> </u>	6.028	.25
15	MP1C	MX	.002	.25
16	MP1C	<u>×</u>	-3.48	5.75
17	MP1C		6.028	5.75
18	MP1C	MX	.002	5.75
19	MP4A	<u> </u>	-3.556	.25
20			0.10	.20
21			2.556	.20
22		7	-3.330	5.75
23			0.10	5.75
25	MP4R	X	3.4	25
26	MP4B	7	5 889	25
27	MP4B	Mx	- 003	.25
28	MP4B	X	-3.4	5.75
29	MP4B	7	5 889	5.75
30	MP4B	Mx	003	5.75
31	MP4C	X	-3.48	.25
32	MP4C	Z	6.028	.25
33	MP4C	Mx	.002	.25
34	MP4C	Х	-3.48	5.75
35	MP4C	Z	6.028	5.75
36	MP4C	Mx	.002	5.75
37	MP2A	X	-3.891	.5
38	MP2A	Z	6.739	.5
39	MP2A	Mx	.006	.5
40	MP2A	X	-3.891	5.5
41	MP2A	Z	6.739	5.5
42	MP2A	Mx	.006	5.5
43	MP2B	X	-3.406	.5
44	MP2B	2	5.899	.5
45	MP2B	Mx	005	.5
46	MP2B	Χ 7	-3.406	5.5
4/	MP2B		5.899	5.5
48		IVIX	005	5.5
49	MD2C	λ 7	-3.000	.5
51	MP2C		0.002	.5
52			000004	.5
52	MP2C	7	-3.030 6.332	5.5
54	MP2C	My	- 000684	5.5
55	MP2A	X	-3 801	5
56	MP2A	7	6 739	.5
57	MP2A	Mx	- 002	
58	MP2A	X	-3.891	5.5
59	MP2A	Z	6.739	5.5
			000	. 5.0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
60	MP2A	Mx	002	5.5
61	MP2B	X	-3.406	.5
62	MP2B	Z	5.899	.5
63	MP2B	Mx	000237	.5
64	MP2B	X	-3.406	5.5
65	MP2B	Z	5.899	5.5
66	MP2B	Mx	000237	5.5
67	MP2C	X	-3.656	.5
68	MP2C	Z	6.332	.5
69	MP2C	Mx	.005	.5
70	MP2C	X	-3.656	5.5
71	MP2C	Z	6.332	5.5
72	MP2C	Mx	005	5.5
73	MP3A	X	-2.076	2
74	MP3A	7	3 595	2
75	MP3A	Mx	001	2
76	MP3A	X	-2 076	4
77	MP3A	7	3 595	4
78	MP3A	Mx	001	4
70	MP3B	X	-1 574	2
80	MP3B	7	2 726	2
81	MP3B		- 001	2
82	MD3B	X	1 574	<u> </u>
83	MP3B		2 726	4
Q1	MD2B		001	4
95	MP3C		1.822	
86	MP3C		-1.000	2
00	MD2C		001	2
01	MP3C		.001	<u> </u>
00	MD3C		-1.000	4
09	MP3C		001	4
90	MP3C		.001	4
91			-1.707	2
92			3.095	2
93			000596	2
94	MP1B		-1.302	2
95			2.200	2
90	MP18		.000808	2
97	MP1C		-1.787	2
98			3.095	2
99	MPIC		000596	2
100	MP2A	<u> </u>	-1.757	2
101	MP2A		3.044	2
102	MP2A	Mx	000586	2
103	MP2B	X	-1.185	2
104	MP2B	<u> </u>	2.053	2
105	MP2B	MX	.00079	2
106	MP2C	X	-1./57	2
107	MP2C	<u> </u>	3.044	2
108	MP2C	Mx	000586	2
109	OVP	<u> </u>	-3.478	1
110	OVP		6.024	1
111	OVP	Mx	001	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	-5.757	.25
			-0.101	.20

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
2	MP1A	Z	3.324	.25
3	MP1A	Mx	.003	.25
4	MP1A	Х	-5.757	5.75
5	MP1A	Z	3.324	5.75
6	MP1A	Mx	.003	5.75
7	MP1B	Х	-5.581	.25
8	MP1B	Z	3.222	.25
9	MP1B	Mx	003	.25
10	MP1B	Х	-5.581	5.75
11	MP1B	Z	3.222	5.75
12	MP1B	Mx	003	5.75
13	MP1C	Х	-6.337	.25
14	MP1C	Z	3.658	.25
15	MP1C	Mx	.000635	.25
16	MP1C	Х	-6.337	5.75
17	MP1C	Z	3.658	5.75
18	MP1C	Mx	.000635	5.75
19	MP4A	Х	-5.757	.25
20	MP4A	Z	3.324	.25
21	MP4A	Mx	.003	.25
22	MP4A	Х	-5.757	5.75
23	MP4A	Z	3.324	5.75
24	MP4A	Mx	.003	5.75
25	MP4B	Х	-5.581	.25
26	MP4B	Z	3.222	.25
27	MP4B	Mx	003	.25
28	MP4B	Х	-5.581	5.75
29	MP4B	Z	3.222	5.75
30	MP4B	Mx	003	5.75
31	MP4C	Х	-6.337	.25
32	MP4C	Z	3.658	.25
33	MP4C	Mx	.000635	.25
34	MP4C	Х	-6.337	5.75
35	MP4C	Z	3.658	5.75
36	MP4C	Mx	.000635	5.75
37	MP2A	Х	-5.492	.5
38	MP2A	Z	3.171	.5
39	MP2A	Mx	.004	.5
40	MP2A	Х	-5.492	5.5
41	MP2A	Z	3.171	5.5
42	MP2A	Mx	.004	5.5
43	MP2B	Х	-4.944	.5
44	MP2B	Z	2.854	.5
45	MP2B	Mx	003	.5
46	MP2B	Х	-4.944	5.5
47	MP2B	Z	2.854	5.5
48	MP2B	Mx	003	5.5
49	MP2C	Х	-7.287	.5
50	MP2C	Z	4.207	.5
<u>5</u> 1	MP2C	Mx	004	.5
52	MP2C	Х	-7.287	5.5
53	MP2C	Z	4.207	5.5
54	MP2C	Mx	004	5.5
55	MP2A	Х	-5.492	.5
56	MP2A	Z	3.171	.5
57	MP2A	Mx	.001	.5
58	MP2A	Х	-5.492	5.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
59	MP2A	Z	3.171	5.5
60	MP2A	Mx	.001	5.5
61	MP2B	X	-4.944	.5
62	MP2B	Z	2.854	.5
63	MP2B	Mx	002	.5
64	MP2B	X	-4.944	5.5
65	MP2B	Z	2.854	5.5
66	MP2B	Mx	002	5.5
67	MP2C	X	-7.287	.5
68	MP2C	Z	4.207	.5
69	MP2C	Mx	.005	.5
70	MP2C	Х	-7.287	5.5
71	MP2C	Z	4.207	5.5
72	MP2C	Mx	.005	5.5
73	MP3A	X	-2.305	2
74	MP3A	Z	1.331	2
75	MP3A	Mx	.001	2
76	MP3A	X	-2.305	4
77	MP3A	Z	1.331	4
78	MP3A	Mx	.001	4
79	MP3B	X	-1.738	2
80	MP3B	Z	1.003	2
81	MP3B	Mx	000988	2
82	MP3B	X	-1.738	4
83	MP3B	Z	1.003	4
84	MP3B	Mx	000988	4
85	MP3C	X	-4.163	2
86	MP3C	Z	2.403	2
87	MP3C	Mx	.000417	2
88	MP3C	X	-4.163	4
89	MP3C	Z	2.403	4
90	MP3C	Mx	.000417	4
91	MP1A	X	-2.535	2
92	MP1A	Z	1.464	2
93	MP1A	Mx	000845	2
94	MP1B	Х	-2.535	2
95	MP1B	Z	1.464	2
96	MP1B	Mx	.000845	2
97	MP1C	Х	-3.374	2
98	MP1C	Z	1.948	2
99	MP1C	Mx	0	2
100	MP2A	Х	-2.383	2
101	MP2A	Z	1.376	2
102	MP2A	Mx	000794	2
103	MP2B	Х	-2.383	2
104	MP2B	Z	1.376	2
105	MP2B	Mx	.000794	2
106	MP2C	Х	-3.374	2
107	MP2C	Z	1.948	2
108	MP2C	Mx	0	2
109	OVP	Х	-6.892	1
110	OVP	Z	3.979	1
111	OVP	Mx	002	1

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

Member Label

Direction

Magnitude[lb,lb-ft]

Location[ft,%]

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	X	-6.416	.25
2	MP1A	Z	0	.25
3	MP1A	Mx	.003	.25
4	MP1A	X	-6.416	5.75
5	MP1A	Z	0	5.75
6	MP1A	Mx	.003	5.75
7	MP1B	X	-6.525	.25
8	MP1B	Z	0	.25
9	MP1B	Mx	003	.25
10	MP1B	X	-6.525	5.75
11	MP1B	Z	0	5.75
12	MP1B	Mx	003	5.75
13	MP1C	X	-7.236	.25
14	MP1C	Z	0	.25
15	MP1C	Mx	001	.25
16	MP1C	X	-7.236	5.75
17	MP1C	Z	0	5.75
18	MP1C	Mx	001	5.75
19	MP4A	X	-6.416	.25
20	MP4A	Z	0	.25
21	MP4A	Mx	.003	.25
22	MP4A	X	-6.416	5.75
23	MP4A	Z	0	5.75
24	MP4A	Mx	.003	5.75
25	MP4B	X	-6.525	.25
26	MP4B	Z	0	.25
27	MP4B	Mx	003	.25
28	MP4B	X	-6.525	5.75
29	MP4B	Z	0	5.75
30	MP4B	Mx	003	5.75
31	MP4C	X	-7.236	.25
32	MP4C	Z	0	.25
33	MP4C	Mx	001	.25
34	MP4C	X	-7.236	5.75
35	MP4C	Z	0	5.75
36	MP4C	Mx	001	5.75
37	MP2A	X	-5.622	.5
38	MP2A	Z	0	.5
39	MP2A	Mx	.003	.5
40	MP2A	X	-5.622	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	.003	5.5
43	MP2B	<u> </u>	-5.959	.5
44	MP2B	Z	0	.5
45	MP2B	Mx	002	.5
46	MP2B	X	-5.959	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	002	5.5
49	MP2C	X	-8.164	.5
50	MP2C	Z	0	.5
51	MP2C	Mx	006	.5
52	MP2C	X	-8.164	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	006	5.5
55	MP2A	X	-5.622	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	.003	.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
58	MP2A	X	-5.622	5.5
59	MP2A	Z	0	5.5
60	MP2A	Mx	.003	5.5
61	MP2B	X	-5.959	.5
62	MP2B	Z	0	.5
63	MP2B	Mx	004	.5
64	MP2B	X	-5.959	5.5
65	MP2B	Z	0	5.5
66	MP2B	Mx	004	5.5
67	MP2C	X	-8.164	.5
68	MP2C	Z	0	.5
69	MP2C	Mx	.003	.5
70	MP2C	X	-8.164	5.5
71	MP2C	Z	0	5.5
72	MP2C	Mx	.003	5.5
73	MP3A	X	-1.917	2
74	MP3A	Z	0	2
75	MP3A	Mx	.000958	2
76	MP3A	X	-1.917	4
77	MP3A	Z	0	4
78	MP3A	Mx	.000958	4
79	MP3B	X	-2.266	2
80	MP3B	Z	0	2
81	MP3B	Mx	001	2
82	MP3B	X	-2.266	4
83	MP3B	Z	0	4
84	MP3B	Mx	001	4
85	MP3C	X	-4.548	2
86	MP3C	Z	0	2
87	MP3C	Mx	000778	2
88	MP3C	X	-4.548	4
89	MP3C	Z	0	4
90	MP3C	Mx	000778	4
91	MP1A	X	-2.605	2
92	MP1A	Z	0	2
93	MP1A	Mx	000868	2
94	MP1B	X	-3.573	2
95	MP1B	Z	0	2
96	MP1B	Mx	.000596	2
97	MP1C	X	-3.573	2
98	MP1C	Z	0	2
99	MP1C	Mx	.000596	2
100	MP2A	Х	-2.37	2
101	MP2A	Z	0	2
102	MP2A	Mx	00079	2
103	MP2B	Х	-3.515	2
104	MP2B	Z	0	2
105	MP2B	Mx	.000586	2
106	MP2C	Х	-3.515	2
107	MP2C	Z	0	2
108	MP2C	Mx	.000586	2
109	OVP	Х	-8.46	1
110	OVP	Z	0	1
111	OVP	Mx	003	1

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	X	-5.757	.25
2	MP1A	Z	-3.324	.25
3	MP1A	Mx	.003	.25
4	MP1A	X	-5.757	5.75
5	MP1A	Z	-3.324	5.75
6	MP1A	Mx	.003	5.75
7	MP1B	X	-6.028	.25
8	MP1B	Z	-3.48	.25
9	MP1B	Mx	002	.25
10	MP1B	X	-6.028	5.75
11	MP1B	Z	-3.48	5.75
12	MP1B	Mx	002	5.75
13	MP1C	X	-5.889	.25
14	MP1C	Z	-3.4	.25
15	MP1C	Mx	003	.25
16	MP1C	X	-5.889	5.75
17	MP1C	Z	-3.4	5.75
18	MP1C	Mx	003	5.75
19	MP4A	X	-5.757	.25
20	MP4A	Z	-3.324	.25
21	MP4A	Mx	.003	.25
22	MP4A	X	-5.757	5.75
23	MP4A	Z	-3.324	5.75
24	MP4A	Mx	.003	5.75
25	MP4B	X	-6.028	.25
26	MP4B	Z	-3.48	.25
27	MP4B	Mx	002	.25
28	MP4B	X	-6.028	5.75
29	MP4B	Z	-3.48	5.75
30	MP4B	Mx	002	5.75
31	MP4C	X	-5.889	.25
32	MP4C	Z	-3.4	.25
33	MP4C	Mx	003	.25
34	MP4C	X	-5.889	5.75
35	MP4C	Z	-3.4	5.75
36	MP4C	Mx	003	5.75
37	MP2A	X	-5.492	.5
38	MP2A	Z	-3.171	.5
39	MP2A	Mx	.001	.5
40	MP2A	X	-5.492	5.5
41	MP2A	Z	-3.171	5.5
42	MP2A	Mx	.001	5.5
43	MP2B	<u>X</u>	-6.332	.5
44	MP2B	Z	-3.656	.5
45	MP2B	Mx	.000684	.5
46	MP2B	X	-6.332	5.5
47	MP2B	Z	-3.656	5.5
48	MP2B	Mx	.000684	5.5
49	MP2C	X	-5.899	.5
50	MP2C	Z	-3.406	.5
51	MP2C	Mx	005	.5
52	MP2C	X	-5.899	5.5
53	MP2C	Z	-3.406	5.5
54	MP2C	Mx	005	5.5
55	MP2A	X	-5.492	.5
56	MP2A	Z	-3.171	.5
57	MP2A	Mx	.004	.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
58	MP2A	Х	-5.492	5.5
59	MP2A	Z	-3.171	5.5
60	MP2A	Mx	.004	5.5
61	MP2B	Х	-6.332	.5
62	MP2B	Z	-3.656	.5
63	MP2B	Mx	005	.5
64	MP2B	Х	-6.332	5.5
65	MP2B	Z	-3.656	5.5
66	MP2B	Mx	005	5.5
67	MP2C	Х	-5.899	.5
68	MP2C	Z	-3.406	.5
69	MP2C	Mx	000237	.5
70	MP2C	Х	-5.899	5.5
71	MP2C	Z	-3.406	5.5
72	MP2C	Mx	000237	5.5
73	MP3A	Х	-2.305	2
74	MP3A	Z	-1.331	2
75	MP3A	Mx	.001	2
76	MP3A	X	-2.305	4
77	MP3A	Z	-1.331	4
78	MP3A	Mx	.001	4
79	MP3B	Х	-3.174	2
80	MP3B	Z	-1.833	2
81	MP3B	Mx	001	2
82	MP3B	X	-3.174	4
83	MP3B	Z	-1.833	4
84	MP3B	Mx	001	4
85	MP3C	Х	-2.726	2
86	MP3C	Z	-1.574	2
87	MP3C	Mx	001	2
88	MP3C	Х	-2.726	4
89	MP3C	Z	-1.574	4
90	MP3C	Mx	001	4
91	MP1A	X	-2.535	2
92	MP1A	Z	-1.464	2
93	MP1A	Mx	000845	2
94	MP1B	X	-3.374	2
95	MP1B	Z	-1.948	2
96	MP1B	Mx	0	2
97	MP1C	X	-2.535	2
98	MP1C	2	-1.464	2
99	MP1C	Mx	.000845	2
100	MP2A	X	-2.383	2
101	MPZA	Ζ	-1.376	2
102	MP2A		000794	2
103	MP2B	X	-3.3/4	2
104	MP2B		-1.948	2
105	IVIP2B	IVIX	U	2
106	MP2C	Χ	-2.383	2
107			-1.3/b	2
108		IVIX	.000794	2
109		λ 7	-0.892	
110			-3.979	
	UVP	IVIX	002	1

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	X	-3.556	.25
2	MP1A	Z	-6.16	.25
3	MP1A	Mx	.002	.25
4	MP1A	X	-3.556	5.75
5	MP1A	Z	-6.16	5.75
6	MP1A	Mx	.002	5.75
7	MP1B	X	-3.658	.25
8	MP1B	Z	-6.337	.25
9	MP1B	Mx	000635	.25
10	MP1B	X	-3.658	5.75
11	MP1B	Z	-6.337	5.75
12	MP1B	Mx	000635	5.75
13	MP1C	X	-3.222	.25
14	MP1C	Z	-5.581	.25
15	MP1C	Mx	003	.25
16	MP1C	X	-3.222	5.75
17	MP1C	Z	-5.581	5.75
18	MP1C	Mx	003	5.75
19	MP4A	X	-3.556	.25
20	MP4A	Z	-6.16	.25
21	MP4A	Mx	.002	.25
22	MP4A	X	-3 556	5.75
23	MP4A	7	-6.16	5.75
24	MP4A	Mx	002	5.75
25	MP4B	X	-3 658	25
26	MP4B	7	-6.337	25
27	MP4B	Mx	- 000635	25
28	MP4B	X	-3 658	5 75
20	MP4B	7	-6.337	5.75
30	MP4B	My	- 000635	5.75
31	MP4C	X	3 222	25
32	MP4C	7	5 581	.25
22	MP4C		-5.501	.25
24			003	.23
25	MP4C	7	5.522	5.75
35			-5.501	5.75
27			003	5.75
20		7	6 720	.5
30			-0.739	.5
40			2 901	
40		7	6 720	5.5
41			-0.739	5.5
42			002	5.5
43		7	-4.207	.5
44			-1.201	.5
40			.004	.3
40		7	-4.207	5.5
47			-1.201	5.5
48		IVIX	.004	5.5
49		X 7	-2.854	.5
50	MP2C		-4.944	.5
51	MP2C	IVIX	003	.5
52	MP2C	X	-2.854	5.5
53	MP2C	Z	-4.944	5.5
54	MP2C	Mx	003	5.5
55	MP2A	<u>X</u>	-3.891	.5
56	MP2A	Z	-6.739	.5
57	MP2A	Mx	.006	.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
58	MP2A	X	-3.891	5.5
59	MP2A	Z	-6.739	5.5
60	MP2A	Mx	.006	5.5
61	MP2B	X	-4.207	.5
62	MP2B	Z	-7.287	.5
63	MP2B	Mx	005	.5
64	MP2B	X	-4.207	5.5
65	MP2B	Z	-7.287	5.5
66	MP2B	Mx	005	5.5
67	MP2C	X	-2.854	.5
68	MP2C	Z	-4.944	.5
69	MP2C	Mx	002	.5
70	MP2C	X	-2.854	5.5
71	MP2C	Z	-4.944	5.5
72	MP2C	Mx	002	5.5
73	MP3A	Х	-2.076	2
74	MP3A	Z	-3.595	2
75	MP3A	Mx	.001	2
76	MP3A	X	-2.076	4
77	MP3A	Z	-3.595	4
78	MP3A	Mx	.001	4
79	MP3B	X	-2.403	2
80	MP3B	Z	-4.163	2
81	MP3B	Mx	000417	2
82	MP3B	X	-2.403	4
83	MP3B	Z	-4.163	4
84	MP3B	Mx	000417	4
85	MP3C	X	-1.003	2
86	MP3C	Z	-1.738	2
87	MP3C	Mx	000988	2
88	MP3C	X	-1.003	4
89	MP3C	Z	-1.738	4
90	MP3C	Mx	000988	4
91	MP1A	X	-1.787	2
92	MP1A	Z	-3.095	2
93	MP1A	Mx	000596	2
94	MP1B	X	-1.787	2
95	MP1B	Z	-3.095	2
96	MP1B	Mx	000596	2
97	MP1C	X	-1.302	2
98	MP1C		-2.256	2
99	MP1C	MX	.000868	2
100	MP2A	<u> </u>	-1./5/	2
101	MP2A	<u> </u>	-3.044	2
102	MP2A	Mx	000586	2
103	MP2B	X	-1./5/	2
104	MP2B	<u> </u>	-3.044	2
105	MP2B	MX	000586	2
106	MP2C	X	-1.185	2
107	MP2C	Ζ	-2.053	2
108	MP2C	MX	.00079	2
109		X	-3.478	1
110			-6.024	1
111	UVP	IVIX	001	1

### Member Point Loads (BLC 77 : Lm1)

Member Point Loads (BLC 77 : Lm1) (Continued)					
Member Label		Direction	Magnitude[lb,lb-ft]	Location[ft,%]	
1	M77A	Y	-500	0	
Memb	per Point Loads (BLC	<u>78 : Lm2)</u>			
	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]	
1	M78A	Y	-500	0	
		70 . (			
wem	per Point Loads (BLC	<u>79 : LV1)</u>			
	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]	
1	M20	Y	-250	%100	
Momb	or Point Loads (PLC	90 - 1 - 2)			
wenn	Der Politi Loads (BLC	00.LVZ)			
	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]	
1	M20	Y	-250	%50	
Momh	or Point Loads (RLC	81 · Antonna Ev)			
Wenn	Der Form Loads (BLC	or . Antenna EV)			
4	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]	
2	MP1A	Y My	0	.25	
3	MP1A	Mz	0	.25	
4	MP1A	Y	0	5.75	
5	MP1A	My	0	5.75	
6	MP1A	Mz	0	5.75	
7	MP1B	Y	0	.25	
8	MP1B	My	0	.25	
9	MP1B	Mz	0	.25	
10	MP1B MP1B	Y My	0	5.75	
12	MP1B	Mz	0	5.75	
13	MP1C	Y	0	.25	
14	MP1C	My	0	.25	
15	MP1C	Mz	0	.25	
16	MP1C	Y	0	5.75	
17	MP1C	My	0	5.75	
18	MP1C	NZ	0	5.75	
20	MP4A	My	0	.25	
21	MP4A	Mz	0	.25	
22	MP4A	Y	0	5.75	
23	MP4A	My	0	5.75	
24	MP4A	Mz	0	5.75	
25	MP4B	Y	0	.25	
26		NIY M7	0	.25	
28	MP4B	IVIZ V	0	5 75	
29	MP4B	My	0	5 75	
30	MP4B	Mz	0	5.75	
31	MP4C	Y	0	.25	
32	MP4C	Му	0	.25	
33	MP4C	Mz	0	.25	
34	MP4C	Y	0	5.75	
35	MP4C		0	5.75	
37	MP2A	Y	0	5	
38	MP2A	Mv	0	.5	
39	MP2A	Mz	0	.5	

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
40	MP2A	Y	0	5.5
41	MP2A	My	0	5.5
42	MP2A	Mz	0	5.5
43	MP2B	Y	0	.5
44	MP2B	My	0	.5
45	MP2B	Mz	0	.5
46	MP2B	Y	0	5.5
47	MP2B	My	0	5.5
48	MP2B	Mz	0	5.5
49	MP2C	Y	0	.5
50	MP2C	My	0	.5
51	MP2C	Mz	0	.5
52	MP2C	Y	0	5.5
53	MP2C	My	0	5.5
54	MP2C	Mz	0	5.5
55	MP2A	Y	0	.5
56	MP2A	My	0	.5
57	MP2A	Mz	0	.5
58	MP2A	Y	0	5.5
59	MP2A	My	0	5.5
60	MP2A	Mz	0	5.5
61	MP2B	Y	0	.5
62	MP2B	My	0	.5
63	MP2B	Mz	0	.5
64	MP2B	Y	0	5.5
65	MP2B	My	0	5.5
66	MP2B	Mz	0	5.5
67	MP2C	Y	0	.5
68	MP2C	My	0	.5
69	MP2C	Mz	0	.5
70	MP2C	Y	0	5.5
71	MP2C	My	0	5.5
72	MP2C	Mz	0	5.5
73	MP3A	Y	0	2
74	MP3A	My	0	2
75	MP3A	Mz	0	2
76	MP3A	Y	0	4
77	MP3A	My	0	4
78	MP3A	Mz	0	4
79	MP3B	Y	0	2
80	MP3B	My	0	2
81	MP3B	Mz	0	2
82	MP3B	Y	0	4
83	MP3B	My	0	4
84	MP3B	Mz	0	4
85	MP3C	Y	0	2
86	MP3C	My	0	2
87	MP3C	Mz	0	2
88	MP3C	Y	0	4
89	MP3C	My	0	4
90	MP3C	Mz	0	4
91	MP1A	Y	0	2
92	MP1A	My	0	2
93	MP1A	Mz	0	2
94	MP1B	Y	0	2
95	MP1B	My	0	2
96	MP1B	Mz	0	2

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
97	MP1C	Y	0	2
98	MP1C	My	0	2
99	MP1C	Mz	0	2
100	MP2A	Y	0	2
101	MP2A	My	0	2
102	MP2A	Mz	0	2
103	MP2B	Y	0	2
104	MP2B	My	0	2
105	MP2B	Mz	0	2
106	MP2C	Y	0	2
107	MP2C	My	0	2
108	MP2C	Mz	0	2
109	MP2C	Y	0	1
110	MP2C	My	0	1
111	MP2C	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Z	315	.25
2	MP1A	Mx	0	.25
3	MP1A	Z	315	5.75
4	MP1A	Mx	0	5.75
5	MP1B	Z	315	.25
6	MP1B	Mx	5.4e-5	.25
7	MP1B	Z	315	5.75
8	MP1B	Mx	5.4e-5	5.75
9	MP1C	Z	315	.25
10	MP1C	Mx	000148	.25
11	MP1C	Z	315	5.75
12	MP1C	Mx	000148	5.75
13	MP4A	Z	315	.25
14	MP4A	Mx	0	.25
15	MP4A	Z	315	5.75
16	MP4A	Mx	0	5.75
17	MP4B	Z	315	.25
18	MP4B	Mx	5.4e-5	.25
19	MP4B	Z	315	5.75
20	MP4B	Mx	5.4e-5	5.75
21	MP4C	Z	315	.25
22	MP4C	Mx	000148	.25
23	MP4C	Z	315	5.75
24	MP4C	Mx	000148	5.75
25	MP2A	Z	6	.5
26	MP2A	Mx	000325	.5
27	MP2A	Z	6	5.5
28	MP2A	Mx	000325	5.5
29	MP2B	Z	6	.5
30	MP2B	Mx	.000408	.5
31	MP2B	Z	6	5.5
32	MP2B	Mx	.000408	5.5
33	MP2C	Z	6	.5
34	MP2C	Mx	000171	.5
35	MP2C	Z	6	5.5
36	MP2C	Mx	000171	5.5
37	MP2A	Z	6	.5
38	MP2A	Mx	.000325	.5

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
39	MP2A	Z	6	5.5
40	MP2A	Mx	.000325	5.5
41	MP2B	Z	6	.5
42	MP2B	Mx	000203	.5
43	MP2B	Z	6	5.5
44	MP2B	Mx	000203	5.5
45	MP2C	Z	6	.5
46	MP2C	Mx	000393	.5
47	MP2C	Z	6	5.5
48	MP2C	Mx	000393	5.5
49	MP3A	Z	-1.306	2
50	MP3A	Mx	0	2
51	MP3A	Z	-1.306	4
52	MP3A	Mx	0	4
53	MP3B	Z	-1.306	2
54	MP3B	Mx	.000223	2
55	MP3B	Z	-1.306	4
56	MP3B	Mx	.000223	4
57	MP3C	Z	-1.306	2
58	MP3C	Mx	000614	2
59	MP3C	Z	-1.306	4
60	MP3C	Mx	000614	4
61	MP1A	Z	-2.241	2
62	MP1A	Mx	0	2
63	MP1B	Z	-2.241	2
64	MP1B	Mx	000647	2
65	MP1C	Z	-2.241	2
66	MP1C	Mx	.000647	2
67	MP2A	Z	-2.109	2
68	MP2A	Mx	0	2
69	MP2B	Z	-2.109	2
70	MP2B	Mx	000609	2
71	MP2C	Z	-2.109	2
72	MP2C	Mx	.000609	2
73	MP2C	Z	96	1
74	MP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP1A	Х	.315	.25
2	MP1A	Mx	000158	.25
3	MP1A	Х	.315	5.75
4	MP1A	Mx	000158	5.75
5	MP1B	Х	.315	.25
6	MP1B	Mx	.000148	.25
7	MP1B	Х	.315	5.75
8	MP1B	Mx	.000148	5.75
9	MP1C	Х	.315	.25
10	MP1C	Mx	5.4e-5	.25
11	MP1C	Х	.315	5.75
12	MP1C	Mx	5.4e-5	5.75
13	MP4A	Х	.315	.25
14	MP4A	Mx	000158	.25
15	MP4A	Х	.315	5.75
16	MP4A	Mx	000158	5.75
17	MP4B	Х	.315	.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]	
18	MP4B	Mx	.000148	.25	
19	MP4B	X	.315	5.75	
20	MP4B	Mx	.000148	5.75	
21	MP4C	X	.315	.25	
22	MP4C	Mx	5.4e-5	.25	
23	MP4C	X	.315	5.75	
24	MP4C	Mx	5.4e-5	5.75	
25	MP2A	X	.6	.5	
26	MP2A	Mx	0003	.5	
27	MP2A	X	.6	5.5	
28	MP2A	Mx	0003	5.5	
29	MP2B	X	.6	.5	
30	MP2B	Mx	.000171	.5	
31	MP2B	X	.6	5.5	
32	MP2B	Mx	.000171	5.5	
33	MP2C	X	.6	.5	
34	MP2C	Mx	.000408	.5	
35	MP2C	X	.6	5.5	
36	MP2C	Mx	.000408	5.5	
37	MP2A	X	.6	.5	
38	MP2A	Mx	0003	.5	
39	MP2A	Х	.6	5.5	
40	MP2A	Mx	0003	5.5	
41	MP2B	X	.6	.5	
42	MP2B	Mx	.000393	.5	
43	MP2B	X	.6	5.5	
44	MP2B	Mx	.000393	5.5	
45	MP2C	Х	.6	.5	
46	MP2C	Mx	000203	.5	
47	MP2C	X	.6	5.5	
48	MP2C	Mx	000203	5.5	
49	MP3A	X	1.306	2	
50	MP3A	Mx	000653	2	
51	MP3A	X	1.306	4	
52	MP3A	Mx	000653	4	
53	MP3B	X	1.306	2	
54	MP3B	Mx	.000614	2	
55	MP3B	X	1.306	4	
56	MP3B	Mx	.000614	4	
57	MP3C	X	1.306	2	
58	MP3C	Mx	.000223	2	
59	MP3C	X	1.306	4	
60	MP3C	Mx	.000223	4	
61	MP1A	X	2.241	2	
62	MP1A	Mx	.000747	2	
63	MP1B	X	2.241	2	
64	MP1B	Mx	000374	2	
65	MP1C	X	2.241	2	
66	MP1C	M×	000374	2	
67	MP2A	X	2.109	2	
68	MP2A	Mx	.000703	2	
69	MP2B	X	2,109	2	
70	MP2B	Mx	- 000352	2	
71	MP2C	X	2 109	2	
72	MP2C	Mx	- 000352	2	
73	MP2C	X	96	1	
74	MP2C	Mx	00032	1	
RISA-3D Version 17.0.4 [R:\\\Structural\Mount Fix\Rev 0\RISA\468184-VZW_MT_LO_H.r3d] Page 93					

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

$\begin{array}{c c c c c c c c c c c c c c c c c c c $		Member Label	Direction	Start Magnitude[lb/ft,	. End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
2         MT2A         Y         -9.525         -9.525         0         %1100           4         MT4         Y         -9.525         -9.525         0         %1100           5         MT5         Y         -10.035         -10.035         0         %1100           6         MT8         Y         -5.565         -5.565         0         %1100           7         MT9         Y         -5.565         -5.565         0         %1100           9         M85         Y         -10.022         10.022         0         %1100           10         MATA         Y         -10.022         10.022         0         %100           11         M89A         Y         -10.022         10.022         0         %100           13         M92         Y         -10.035         10.035         0         %100           14         MP4A         Y         -4.93         -4.93         0         %100           15         MP3A         Y         -4.93         -4.93         0         %100           16         MP2A         Y         -4.93         -4.93         0         %100           1	1	M20	Y	-6.505	-6.505	0	%100
$  \begin{array}{c c c c c c c c c c c c c c c c c c c $	2	M72A	Y	-9.525	-9.525	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3	M73	Y	-9.525	-9.525	0	<u>%100</u>
5         M75         Y         -10.035         -10.035         0         %100           7         M79         Y         -5.565         -5.565         0         %100           9         M85         Y         -10.022         10.022         0         %100           9         M85         Y         -10.022         -10.022         0         %100           10         M87A         Y         -10.022         -10.022         0         %100           11         M89A         Y         -10.022         -10.022         0         %100           12         M90A         Y         -10.022         -10.022         0         %100           13         M92         Y         -10.035         -10.035         0         %100           14         MP4A         Y         -4.93         -4.93         0         %100           16         MP2A         Y         -4.93         -4.93         0         %100           17         MP4A         Y         -4.93         -4.93         0         %100           18         OVP         Y         -4.93         -4.93         0         %100 <td< td=""><td>4</td><td>M74</td><td>Y</td><td>-9.525</td><td>-9.525</td><td>0</td><td>%100</td></td<>	4	M74	Y	-9.525	-9.525	0	%100
6         M78         Y         -5.565         -5.565         0         %100           8         M84         Y         -10.022         10.022         0         %100           9         M85         Y         -10.022         10.022         0         %100           10         M87A         Y         -10.022         10.022         0         %100           11         M89A         Y         -10.022         10.022         0         %100           12         M90A         Y         -10.022         -10.022         0         %100           13         M92         Y         -10.035         -10.035         0         %100           14         MP4A         Y         -4.93         -4.93         0         %100           15         M7AA         Y         -4.93         -4.93         0         %100           16         M2A         Y         -4.93         -4.93         0         %100           18         OVP         Y         -4.925         -9.525         0         %100           21         M38         Y         -9.525         -9.525         0         %100           22	5	<u>M75</u>	Y	-10.035	-10.035	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6	M78	Y	-5.565	-5.565	0	%100
8         M84         Y         -10.022         -10.022         0         %100           10         M87A         Y         -10.025         -10.022         0         %100           11         M89A         Y         -10.022         -10.022         0         %100           12         M90A         Y         -10.022         -10.022         0         %100           13         M92         Y         -10.035         -10.035         0         %100           14         MP4A         Y         -4.93         4.93         0         %100           16         MP2A         Y         -4.93         4.93         0         %100           16         MP2A         Y         -4.93         4.93         0         %100           17         MP1A         Y         -4.92         4.93         0         %100           19         M36         Y         -6.505         -6.505         0         %100           20         M37         Y         -9.525         -9.525         0         %100           21         M38         Y         -9.525         0         %100           22         M39 <td>7</td> <td>M79</td> <td>Y</td> <td>-5.565</td> <td>-5.565</td> <td>0</td> <td><u>%100</u></td>	7	M79	Y	-5.565	-5.565	0	<u>%100</u>
9         M85         Y         -10.022         -10.022         0 $\%100$ 10         M87A         Y         -10.022         -10.022         0 $\%100$ 11         M89A         Y         -10.022         -10.022         0 $\%100$ 12         M90A         Y         -10.035         -10.035         0 $\%100$ 13         M92         Y         -10.022         -10.022         0 $\%100$ 14         MP4A         Y         -4.93         -4.93         0 $\%100$ 16         MP3A         Y         -4.93         -4.93         0 $\%100$ 16         MP2A         Y         -4.93         -4.93         0 $\%100$ 17         MP1A         Y         -4.93         -4.93         0 $\%100$ 20         M37         Y         -9.525         -9.525         0 $\%100$ 21         M38         Y         -9.525         -9.525         0 $\%100$ 23         M40         Y         -10.035         0 $\%100$ 2	8	<u>M84</u>	Y	-10.022	-10.022	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	9	M85	Y	-10.022	-10.022	0	<u>%100</u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	10	<u>M87A</u>	Y	-10.035	-10.035	0	<u>%100</u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	11	<u>M89A</u>	Y	-10.022	-10.022	0	<u>%100</u>
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	12	M90A	Y	-10.022	-10.022	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	13	M92	Y	-10.035	-10.035	0	<u>%100</u>
15         MP3A         Y         -4.93         -4.93         -4.93         0 $\%100$ 17         MP1A         Y         -4.93         -4.93         0 $\%100$ 18         OVP         Y         -4.93         -4.93         0 $\%100$ 19         M36         Y         -4.605         -6.505         0 $\%100$ 20         M37         Y         -9.525         -9.525         0 $\%100$ 21         M38         Y         -9.525         -9.525         0 $\%100$ 23         M40         Y         -10.035         -10.035         0 $\%100$ 24         M43         Y         -5.665         -5.565         0 $\%100$ 25         M44         Y         -5.665         -5.565         0 $\%100$ 26         M49         Y         -10.022         -10.022         0 $\%100$ 28         M52         Y         -10.022         -10.022         0 $\%100$ 30         M54         Y         -10.022         -10.022         0 <t< td=""><td>14</td><td>MP4A</td><td>Y</td><td>-4.93</td><td>-4.93</td><td>0</td><td>%100</td></t<>	14	MP4A	Y	-4.93	-4.93	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	15	<u>MP3A</u>	Y	-4.93	-4.93	0	<u>%100</u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	16	MP2A	Y	-4.93	-4.93	0	<u>%100</u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	1/	MP1A	Y	-4.93	-4.93	0	<u>%100</u>
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	18		Y	-4.93	-4.93	0	<u>%100</u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	19	<u>M36</u>	Y	-6.505	-6.505	0	<u>%100</u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20	M37	Y	-9.525	-9.525	0	<u>%100</u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	21	M38	Y	-9.525	-9.525	0	<u>%100</u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	22	M39	Y	-9.525	-9.525	0	<u>%100</u>
24         M43         Y         -3.905         -5.905         0 $%100$ 25         M44         Y         -5.565         0         %100           26         M49         Y         -10.022         -10.022         0         %100           27         M50         Y         -10.022         -10.022         0         %100           28         M52         Y         -10.035         0         %100           30         M55         Y         -10.022         -10.022         0         %100           31         M57         Y         -10.035         0         %100           32         MP4C         Y         -4.93         -4.93         0         %100           33         MP1C         Y         -4.93         -4.93         0         %100           34         M69         Y         -6.505         -6.505         0         %100           35         M70         Y         -9.525         -9.525         0         %100           36         M71         Y         -9.525         -9.525         0         %100           36         M71         Y         -9.525 </td <td>23</td> <td>M40</td> <td>Y</td> <td>-10.035</td> <td>-10.035</td> <td>0</td> <td>%100</td>	23	M40	Y	-10.035	-10.035	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	24	<u>IVI43</u>	Y	-5.505	-5.505	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	20	<u>IVI44</u>	Y	-0.000	-0.000	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	20	ME0	Y	-10.022	-10.022	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	21	IVIDU M52	Ý	-10.022	-10.022	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	20	N52	T V	-10.035	-10.035	0	<u> </u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	29	N55	I V	-10.022	-10.022	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	31	M57	V	10.022	10.022	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	32	MP4C		4.03	1.03	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	33	MP1C	V			0	<u>%100</u>
37         Mod $1$ $-9.535$ $-9.525$ $0$ $%100$ $36$ M71         Y $-9.525$ $-9.525$ $0$ $%100$ $37$ M72         Y $-9.525$ $-9.525$ $0$ $%100$ $37$ M72         Y $-9.525$ $-9.525$ $0$ $%100$ $38$ M73A         Y $-10.035$ $-10.035$ $0$ $%100$ $39$ M76A         Y $-5.565$ $-5.565$ $0$ $%100$ $40$ M77B         Y $-10.022$ $-10.022$ $0$ $%100$ $41$ M82B         Y $-10.022$ $-10.022$ $0$ $%100$ $43$ M85A         Y $-10.022$ $-10.035$ $0$ $%100$ $44$ M87         Y $-10.022$ $-10.022$ $0$ $%100$ $44$ M87         Y $-10.035$ $-10.035$ $0$ $%100$ $45$ M88A         Y	34	M69	V	-6 505	-6 505	0	%100
36         M70         1 $0.525$ $0.525$ $0.525$ $0.6255$ $0.6505$ $0.6505$	35	M70	V	-9.525	-0.505	0	<u>%100</u>
bot         M11         1 <th1< th="">         1         1         1</th1<>	36	M70	V	-9.525	-9.525	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	37	M72	V	-9.525	-9.525	0	<u>%100</u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	38	M73A	Y	-10.035	-10.035	0	%100
40         MT0R         Y         -5.565         -5.565         0         %100           41         M82B         Y         -10.022         -10.022         0         %100           42         M83B         Y         -10.022         -10.022         0         %100           43         M85A         Y         -10.035         -10.035         0         %100           44         M87         Y         -10.022         -10.022         0         %100           44         M87         Y         -10.022         -10.022         0         %100           45         M88A         Y         -10.022         -10.022         0         %100           46         M90         Y         -10.035         -10.035         0         %100           47         MP4B         Y         -4.93         -4.93         0         %100           48         MP1B         Y         -4.93         -4.93         0         %100           50         M107         Y         -6.505         -6.505         0         %100           51         M111         Y         -6.505         -6.505         0         %100	39	M76A	Y	-5.565	-5 565	0	%100
41         M82B         Y         -10.002         -10.002         0         %100           42         M83B         Y         -10.022         -10.022         0         %100           43         M85A         Y         -10.022         -10.022         0         %100           43         M85A         Y         -10.035         -10.035         0         %100           44         M87         Y         -10.022         -10.022         0         %100           45         M88A         Y         -10.022         -10.022         0         %100           46         M90         Y         -10.035         -10.035         0         %100           47         MP4B         Y         -4.93         -4.93         0         %100           48         MP1B         Y         -4.93         -4.93         0         %100           50         M107         Y         -6.505         -6.505         0         %100           51         M111         Y         -6.505         -6.505         0         %100           52         MP3C         Y         -4.93         -4.93         0         %100	40	M77B	Y	-5.565	-5 565	0	%100
A2         M83B         Y         -10.022         -10.022         0         %100           43         M83A         Y         -10.035         -10.035         0         %100           43         M85A         Y         -10.035         -10.035         0         %100           44         M87         Y         -10.022         -10.022         0         %100           45         M88A         Y         -10.022         -10.022         0         %100           45         M88A         Y         -10.022         -10.022         0         %100           46         M90         Y         -10.035         -10.035         0         %100           47         MP4B         Y         -4.93         -4.93         0         %100           48         MP1B         Y         -4.93         -4.93         0         %100           50         M107         Y         -6.505         -6.505         0         %100           51         M111         Y         -6.505         -6.505         0         %100           52         MP3C         Y         -4.93         -4.93         0         %100	41	M82B	Y	-10 022	-10 022	0	%100
43         M85A         Y         -10.035         -10.035         0         %100           44         M87         Y         -10.035         -10.022         0         %100           45         M88A         Y         -10.022         -10.022         0         %100           46         M90         Y         -10.035         -10.035         0         %100           47         MP4B         Y         -4.93         -4.93         0         %100           48         MP1B         Y         -4.93         -4.93         0         %100           49         M102         Y         -6.505         -6.505         0         %100           50         M107         Y         -6.505         -6.505         0         %100           51         M111         Y         -6.505         -6.505         0         %100           52         MP3C         Y         -4.93         -4.93         0         %100           53         MP2C         Y         -4.93         -4.93         0         %100           54         MP3B         Y         -4.93         -4.93         0         %100 <td< td=""><td>42</td><td>M83B</td><td>Y</td><td>-10.022</td><td>-10.022</td><td>0</td><td>%100</td></td<>	42	M83B	Y	-10.022	-10.022	0	%100
44         M87         Y         -10.022         -10.022         0         %100           45         M88A         Y         -10.022         -10.022         0         %100           46         M90         Y         -10.035         -10.035         0         %100           47         MP4B         Y         -4.93         -4.93         0         %100           48         MP1B         Y         -4.93         -4.93         0         %100           49         M102         Y         -6.505         -6.505         0         %100           50         M107         Y         -6.505         -6.505         0         %100           51         M111         Y         -6.505         -6.505         0         %100           52         MP3C         Y         -4.93         -4.93         0         %100           53         MP2C         Y         -4.93         -4.93         0         %100           54         MP3B         Y         -4.93         -4.93         0         %100           55         MP2B         Y         -4.93         -4.93         0         %100	43	M85A	Ý	-10.035	-10.035	0	%100
45         M88A         Y         -10.022         -10.022         0         %100           46         M90         Y         -10.035         -10.035         0         %100           47         MP4B         Y         -4.93         -4.93         0         %100           48         MP1B         Y         -4.93         -4.93         0         %100           49         M102         Y         -6.505         -6.505         0         %100           50         M107         Y         -6.505         -6.505         0         %100           51         M111         Y         -6.505         -6.505         0         %100           52         MP3C         Y         -4.93         -4.93         0         %100           53         MP2C         Y         -4.93         -4.93         0         %100           54         MP3B         Y         -4.93         -4.93         0         %100           55         MP2B         Y         -4.93         -4.93         0         %100	44	M87	Y	-10.022	-10.022	0	%100
46         M90         Y         -10.035         -10.035         0         %100           47         MP4B         Y         -4.93         -4.93         0         %100           48         MP1B         Y         -4.93         -4.93         0         %100           49         M102         Y         -6.505         -6.505         0         %100           50         M107         Y         -6.505         -6.505         0         %100           51         M111         Y         -6.505         -6.505         0         %100           52         MP3C         Y         -4.93         -4.93         0         %100           53         MP2C         Y         -6.505         -6.505         0         %100           54         MP3B         Y         -4.93         -4.93         0         %100           55         MP2B         Y         -4.93         -4.93         0         %100	45	M88A	Y	-10.022	-10.022	0	%100
47         MP4B         Y         -4.93         -4.93         0         %100           48         MP1B         Y         -4.93         -4.93         0         %100           49         M102         Y         -6.505         -6.505         0         %100           50         M107         Y         -6.505         -6.505         0         %100           51         M111         Y         -6.505         -6.505         0         %100           52         MP3C         Y         -4.93         -4.93         0         %100           53         MP2C         Y         -4.93         -4.93         0         %100           54         MP3B         Y         -4.93         -4.93         0         %100           55         MP2B         Y         -4.93         -4.93         0         %100	46	M90	Ý	-10.035	-10.035	0	%100
48         MP1B         Y         -4.93         -4.93         0         %100           49         M102         Y         -6.505         -6.505         0         %100           50         M107         Y         -6.505         -6.505         0         %100           51         M111         Y         -6.505         -6.505         0         %100           52         MP3C         Y         -4.93         -4.93         0         %100           53         MP2C         Y         -4.93         -4.93         0         %100           54         MP3B         Y         -4.93         -4.93         0         %100           55         MP2B         Y         -4.93         -4.93         0         %100	47	MP4B	Y	-4.93	-4.93	0	%100
49         M102         Y         -6.505         -6.505         0         %100           50         M107         Y         -6.505         -6.505         0         %100           51         M111         Y         -6.505         -6.505         0         %100           52         MP3C         Y         -4.93         -4.93         0         %100           53         MP2C         Y         -4.93         -4.93         0         %100           54         MP3B         Y         -4.93         -4.93         0         %100           55         MP2B         Y         -4.93         -4.93         0         %100	48	MP1B	Y	-4.93	-4.93	0	%100
50         M107         Y         -6.505         -6.505         0         %100           51         M111         Y         -6.505         -6.505         0         %100           52         MP3C         Y         -4.93         -4.93         0         %100           53         MP2C         Y         -4.93         -4.93         0         %100           54         MP3B         Y         -4.93         -4.93         0         %100           55         MP2B         Y         -4.93         -4.93         0         %100	49	M102	Y	-6.505	-6.505	0	%100
51         M111         Y         -6.505         -6.505         0         %100           52         MP3C         Y         -4.93         -4.93         0         %100           53         MP2C         Y         -4.93         -4.93         0         %100           54         MP3B         Y         -4.93         -4.93         0         %100           55         MP2B         Y         -4.93         -4.93         0         %100           55         MP2B         Y         -4.93         -4.93         0         %100	50	M107	Y	-6.505	-6.505	0	%100
52         MP3C         Y         -4.93         -4.93         0         %100           53         MP2C         Y         -4.93         -4.93         0         %100           54         MP3B         Y         -4.93         -4.93         0         %100           55         MP2B         Y         -4.93         -4.93         0         %100           55         MP2B         Y         -4.93         -4.93         0         %100	51	M111	Y	-6.505	-6.505	0	%100
53         MP2C         Y         -4.93         -4.93         0         %100           54         MP3B         Y         -4.93         -4.93         0         %100           55         MP2B         Y         -4.93         -4.93         0         %100           55         MP2B         Y         -4.93         -4.93         0         %100	52	MP3C	Y	-4.93	-4.93	0	%100
54         MP3B         Y         -4.93         -4.93         0         %100           55         MP2B         Y         -4.93         -4.93         0         %100	53	MP2C	Y	-4.93	-4.93	0	%100
55 MP2B Y -4.93 0 %100	54	MP3B	Y	-4.93	-4.93	0	%100
	55	MP2B	Y	-4.93	-4.93	0	%100
50   W123 Y -7.545 -7.545 U %100	56	M123	Y	-7.545	-7.545	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,%]
57	M124	Y	-7.545	-7.545	0	%100
58	M125	Y	-7.545	-7.545	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	M20	X	0	0	0	%100
2	M20	Z	-12.259	-12.259	0	%100
3	M72A	Х	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M73	Х	0	0	0	%100
6	M73	Z	-11,475	-11.475	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	-11.475	-11.475	0	%100
9	M75	Х	0	0	0	%100
10	M75	Z	-21.015	-21.015	0	%100
11	M78	Х	0	0	0	%100
12	M78	Z	-3.034	-3.034	0	%100
13	M79	Х	0	0	0	%100
14	M79	Z	-3.034	-3.034	0	%100
15	M84	X	0	0	0	%100
16	M84	7	0	0	0	%100
17	M85	X	0	0	0	%100
18	M85	7	-5 351	-5 351	0	%100
19	M87A	X	0	0	0	%100
20	M87A	7	-5 546	-5 546	0	%100
21	M89A	X	0	0	0	<u>%100</u>
22	M89A	Z	0	0	0	%100
23	M90A	X	0	0	0	%100
24	M90A	7	-5 351	-5 351	0	%100
25	M92	X	0	0	0	%100
26	M92	Z	-5.546	-5.546	0	%100
27	MP4A	X	0	0	0	%100
28	MP4A	Z	-8.319	-8.319	0	%100
29	MP3A	X	0	0	0	%100
30	MP3A	Z	-8.319	-8.319	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	-8.319	-8.319	0	%100
33	MP1A	Х	0	0	0	%100
34	MP1A	Z	-8.319	-8.319	0	%100
35	OVP	Х	0	0	0	%100
36	OVP	Z	-6.802	-6.802	0	%100
37	M36	Х	0	0	0	%100
38	M36	Z	-3.065	-3.065	0	%100
39	M37	Х	0	0	0	%100
40	M37	Z	-10.073	-10.073	0	%100
41	M38	Х	0	0	0	%100
42	M38	Z	-2.869	-2.869	0	%100
43	M39	Х	0	0	0	%100
44	M39	Z	-2.869	-2.869	0	%100
45	M40	Х	0	0	0	%100
46	M40	Z	-5.254	-5.254	0	%100
47	M43	Х	0	0	0	%100
48	M43	Z	-2.608	-2.608	0	%100
49	M44	Х	0	0	0	%100
50	M44	Z	-11.269	-11.269	0	%100
51	M49	Х	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,%]
52	M49	Z	-15.859	-15.859	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	-21.405	-21.405	0	%100
55	M52	Х	0	0	0	%100
56	M52	Z	-22.183	-22.183	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	-15.859	-15.859	0	%100
59	M55	X	0	0	0	%100
60	M55	Z	-5.351	-5.351	0	%100
61	M57	Х	0	0	0	%100
62	M57	Z	-5.546	-5.546	0	%100
63	MP4C	Х	0	0	0	%100
64	MP4C	Z	-8.319	-8.319	0	%100
65	MP1C	X	0	0	0	%100
66	MP1C	7	-8 319	-8 319	0	%100
67	M69	X	0	0	0	%100
68	M69	7	-3.065	-3.065	0	%100
69	M70	X	0.000	0.000	0	%100
70	M70	7	-10 073	-10 073	0	%100
71	M71	X	0	0	0	%100
72	M71	7	-2 860	-2 860	0	%100
72	M72	×	-2.009	-2.009	0	%100
73	M72	7	2,860	2,860	0	%100
74	<u>IVI72</u> M72A		-2.009	-2.009	0	<u> </u>
75	N72A	7	5 0F4	5 <u>0</u>	0	<u> </u>
70	MZGA		-3.234	-0.204	0	<u>%100</u>
70		<u> </u>	0	0	0	%100
78	M76A		-11.267	-11.207	0	%100
79	M77B	X 7	0	0	0	<u>%100</u>
80	M//B		-2.609	-2.609	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	-15.859	-15.859	0	<u>%100</u>
83	<u>M83B</u>	X	0	0	0	<u>%100</u>
84	<u>M83B</u>	<u> </u>	-5.351	-5.351	0	<u>%100</u>
85	<u>M85A</u>	X	0	0	0	%100
86	<u>M85A</u>	Z	-5.546	-5.546	0	%100
87	<u>M87</u>	X	0	0	0	%100
88	M87	Z	-15.859	-15.859	0	%100
89	M88A	Х	0	0	0	%100
90	M88A	Z	-21.405	-21.405	0	%100
91	M90	X	0	0	0	%100
92	M90	Z	-22.183	-22.183	0	%100
93	MP4B	Х	0	0	0	%100
94	MP4B	Z	-8.319	-8.319	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-8.319	-8.319	0	%100
97	M102	Х	0	0	0	%100
98	M102	Z	-12.259	-12.259	0	%100
99	M107	Х	0	0	0	%100
100	M107	Z	-3.065	-3.065	0	%100
101	M111	Х	0	0	0	%100
102	M111	Z	-3.065	-3.065	0	%100
103	MP3C	Х	0	0	0	%100
104	MP3C	Z	-8.319	-8.319	0	%100
105	MP2C	X	0	0	0	%100
106	MP2C	7	-8,319	-8,319	0	%100
107	MP3B	X	0	0	0	%100
108	MP3R	7	-8.319	-8 319	0	%100
100		2	-0.019	-0.013	0	70100

#### 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,%]
109	MP2B	X	0	0	0	%100
110	MP2B	Z	-8.319	-8.319	0	%100
111	M123	Х	0	0	0	%100
112	M123	Z	-3.365	-3.365	0	%100
113	M124	Х	0	0	0	%100
114	M124	Z	-13.461	-13.461	0	%100
115	M125	Х	0	0	0	%100
116	M125	Z	-3.365	-3.365	0	%100

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

		Direction	Start Magnitude[lb/ft,	<u>. End Magnitude[lb/ft,F.</u>	Start Location[ft,%]	End Location[ft,%]
1	M20	X	4.597	4.597	0	%100
2	M20	Z	-7.962	-7.962	0	%100
3	M72A	Х	1.679	1.679	0	%100
4	M72A	Z	-2.908	-2.908	0	%100
5	M73	Х	4.303	4.303	0	%100
6	M73	Z	-7.453	-7.453	0	%100
7	M74	Х	4.303	4.303	0	%100
8	M74	Z	-7.453	-7.453	0	%100
9	M75	Х	7.881	7.881	0	%100
10	M75	Z	-13.65	-13.65	0	%100
11	M78	Х	4.332	4.332	0	%100
12	M78	Z	-7.504	-7.504	0	%100
13	M79	Х	.003	.003	0	%100
14	M79	Z	005	005	0	%100
15	M84	X	2.643	2.643	0	%100
16	M84	Z	-4.578	-4.578	0	%100
17	M85	Х	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M87A	X	0	0	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	X	2.643	2.643	0	%100
22	M89A	Z	-4.578	-4.578	0	%100
23	M90A	X	8.027	8.027	0	%100
24	M90A	Z	-13,903	-13,903	0	%100
25	M92	X	8,319	8.319	0	%100
26	M92	Z	-14.408	-14.408	0	%100
27	MP4A	X	4.159	4.159	0	%100
28	MP4A	Z	-7.204	-7.204	0	%100
29	MP3A	X	4,159	4,159	0	%100
30	MP3A	Z	-7.204	-7.204	0	%100
31	MP2A	X	4.159	4.159	0	%100
32	MP2A	Z	-7.204	-7.204	0	%100
33	MP1A	Х	4.159	4.159	0	%100
34	MP1A	Z	-7.204	-7.204	0	%100
35	OVP	X	3,401	3,401	0	%100
36	OVP	Z	-5.891	-5.891	0	%100
37	M36	X	4.597	4.597	0	%100
38	M36	Z	-7.962	-7.962	0	%100
39	M37	X	1.679	1.679	0	%100
40	M37	Z	-2.908	-2,908	0	%100
41	M38	X	4.303	4.303	0	%100
42	M38	Z	-7.453	-7.453	0	%100
43	M39	X	4.303	4.303	0	%100
44	M39	Z	-7.453	-7.453	0	%100
45	M40	X	7.881	7.881	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,%]
46	M40	Z	-13.65	-13.65	0	%100
47	<u>M43</u>	<u> </u>	.003	.003	0	<u>%100</u>
48	<u>M43</u>	Z	005	005	0	<u>%100</u>
49	N44	X	4.333	4.333	0	<u>%100</u>
50	M44	<u> </u>	-7.505	-7.505	0	<u>%100</u>
51	<u>M49</u>	X	2.643	2.643	0	<u>%100</u>
52	<u>M49</u>	<u> </u>	-4.578	-4.578	0	<u>%100</u>
53	M50	X	8.027	8.027	0	<u>%100</u>
54	<u>M50</u>		-13.903	-13.903	0	<u>%100</u>
55	N52	× 7	8.319	8.319	0	%100
56	<u>M52</u>	<u> </u>	-14.408	-14.408	0	<u>%100</u>
57	N154	× 7	2.043	2.643	0	%100
58	<u>N54</u>		-4.578	-4.578	0	<u>%100</u>
59		× 7	0	0	0	%100
60	IVI55		0	0	0	<u>%100</u>
61			0	0	0	%100
62		<u> </u>	0	0	0	<u>%100</u>
64	MP4C		4.159	4.159	0	%100
65	MP4C		-1.204	-7.204	0	<u>%100</u> %100
66		7	4.109	4.159	0	<u>%100</u>
67	MAD		-7.204	-7.204	0	<u>%100</u> %100
69	N69	7	0	0	0	<u>%100</u>
60	N09		6 715	6 715	0	<u>%100</u> %100
70	M70	7	11 621	11 621	0	%100
70	M71	Z V	-11.031	-11.031	0	%100
72	M71	7	0	0	0	%100
73	M72	X	0	0	0	%100
74	M72	7	0	0	0	<u>%100</u>
75	M73Δ	X	0	0	0	<u>%100</u> %100
76	Μ73Δ	7	0	0	0	%100
77	M76A	X	4 12	4 12	0	<u>%100</u> %100
78	M76A	7	-7 135	-7 135	0	%100
79	M77B	X	4 12	4 12	0	<u>%100</u> %100
80	M77B	7	-7 136	-7 136	0	%100
81	M82B	X	10.573	10.573	0	%100
82	M82B	Z	-18.312	-18.312	0	%100
83	M83B	X	8.027	8.027	0	%100
84	M83B	Z	-13.903	-13.903	0	%100
85	M85A	Х	8.319	8.319	0	%100
86	M85A	Z	-14.408	-14.408	0	%100
87	M87	X	10.573	10.573	0	%100
88	M87	Z	-18.312	-18.312	0	%100
89	M88A	X	8.027	8.027	0	%100
90	M88A	Z	-13.903	-13.903	0	%100
91	M90	X	8.319	8.319	0	%100
92	M90	Z	-14.408	-14.408	0	%100
93	MP4B	Х	4.159	4.159	0	%100
94	MP4B	Z	-7.204	-7.204	0	%100
95	MP1B	Х	4.159	4.159	0	%100
96	MP1B	Z	-7.204	-7.204	0	%100
97	M102	Х	4.597	4.597	0	%100
98	M102	Z	-7.962	-7.962	0	%100
99	M107	Х	4.597	4.597	0	%100
100	M107	Z	-7.962	-7.962	0	%100
101	M111	Х	0	0	0	%100
102	M111	<u>Z</u>	0	0	0	%100

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

		D: //				
	Member Label	Direction	Start Magnitude[Ib/ft,	End Magnitude[ib/ft,F	.Start Location[π,%]	End Location[ft,%]
103	MP3C	X	4.159	4.159	0	%100
104	MP3C	Z	-7.204	-7.204	0	%100
105	MP2C	Х	4.159	4.159	0	%100
106	MP2C	Z	-7.204	-7.204	0	%100
107	MP3B	Х	4.159	4.159	0	%100
108	MP3B	Z	-7.204	-7.204	0	%100
109	MP2B	Х	4.159	4.159	0	%100
110	MP2B	Z	-7.204	-7.204	0	%100
111	M123	Х	5.048	5.048	0	%100
112	M123	Z	-8.743	-8.743	0	%100
113	M124	Х	5.048	5.048	0	%100
114	M124	Z	-8.743	-8.743	0	%100
115	M125	Х	0	0	0	%100
116	M125	Z	0	0	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	M20	Х	2.654	2.654	0	%100
2	M20	Z	-1.532	-1.532	0	%100
3	M72A	Х	8.723	8.723	0	%100
4	M72A	Z	-5.037	-5.037	0	%100
5	M73	Х	2.484	2.484	0	%100
6	M73	Z	-1.434	-1.434	0	%100
7	M74	Х	2.484	2.484	0	%100
8	M74	Z	-1.434	-1.434	0	%100
9	M75	Х	4.55	4.55	0	%100
10	M75	Z	-2.627	-2.627	0	%100
11	M78	Х	9.758	9.758	0	%100
12	M78	Z	-5.634	-5.634	0	%100
13	M79	Х	2.259	2.259	0	%100
14	M79	Z	-1.304	-1.304	0	%100
15	M84	Х	13.734	13.734	0	%100
16	M84	Z	-7.929	-7.929	0	%100
17	M85	Х	4.634	4.634	0	%100
18	M85	Z	-2.676	-2.676	0	%100
19	M87A	Х	4.803	4.803	0	%100
20	M87A	Z	-2.773	-2.773	0	%100
21	M89A	Х	13.734	13.734	0	%100
22	M89A	Z	-7.929	-7.929	0	%100
23	M90A	Х	18.537	18.537	0	%100
24	M90A	Z	-10.702	-10.702	0	%100
25	M92	Х	19.211	19.211	0	%100
26	M92	Z	-11.092	-11.092	0	%100
27	MP4A	Х	7.204	7.204	0	%100
28	MP4A	Z	-4.159	-4.159	0	%100
29	MP3A	Х	7.204	7.204	0	%100
30	MP3A	Z	-4.159	-4.159	0	%100
31	MP2A	Х	7.204	7.204	0	%100
32	MP2A	Z	-4.159	-4.159	0	%100
33	MP1A	Х	7.204	7.204	0	%100
34	MP1A	Z	-4.159	-4.159	0	%100
35	OVP	Х	5.891	5.891	0	%100
36	OVP	Z	-3.401	-3.401	0	%100
37	M36	Х	10.617	10.617	0	%100
38	M36	Z	-6.13	-6.13	0	%100
39	M37	Х	0	0	0	%100

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

$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0/ 400
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	%100
42M38Z-5.738-5.7380 $43$ M39X9.9389.9380 $44$ M39Z-5.738-5.7380 $45$ M40X18.218.20 $46$ M40Z-10.508-10.5080 $47$ M43X2.6272.6270 $48$ M43Z-1.517-1.5170 $49$ M44X2.6282.6280 $50$ M44Z-1.517-1.5170 $51$ M49X000 $52$ M49Z000 $53$ M50X4.6344.6340 $54$ M50Z-2.676-2.6760 $55$ M52X4.8034.8030 $56$ M52Z-2.773-2.7730 $57$ M54X000	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	%100
47       M43       X       2.627       2.627       0         48       M43       Z       -1.517       -1.517       0         49       M44       X       2.628       2.628       0         50       M44       Z       -1.517       -1.517       0         51       M49       X       0       0       0         52       M49       Z       0       0       0         53       M50       X       4.634       4.634       0         54       M50       Z       -2.676       -2.676       0         55       M52       X       4.803       4.803       0         56       M52       Z       -2.773       -2.773       0         57       M54       X       0       0       0	%100
48       M43       Z       -1.517       -1.517       0         49       M44       X       2.628       2.628       0         50       M44       Z       -1.517       -1.517       0         51       M49       X       0       0       0         52       M49       Z       0       0       0         53       M50       X       4.634       4.634       0         54       M50       Z       -2.676       -2.676       0         55       M52       X       4.803       4.803       0         56       M52       Z       -2.773       -2.773       0         57       M54       X       0       0       0	%100
49       M44       X       2.628       2.628       0         50       M44       Z       -1.517       -1.517       0         51       M49       X       0       0       0         52       M49       Z       0       0       0         53       M50       X       4.634       4.634       0         54       M50       Z       -2.676       -2.676       0         55       M52       X       4.803       4.803       0         56       M52       Z       -2.773       -2.773       0         57       M54       X       0       0       0	%100
50         M44         Z         -1.517         -1.517         0           51         M49         X         0         0         0         0           52         M49         Z         0         0         0         0           53         M50         X         4.634         4.634         0           54         M50         Z         -2.676         -2.676         0           55         M52         X         4.803         4.803         0           56         M52         Z         -2.773         -2.773         0           57         M54         X         0         0         0           58         M54         Z         0         0         0	%100
51       M49       X       0       0       0         52       M49       Z       0       0       0         53       M50       X       4.634       4.634       0         54       M50       Z       -2.676       -2.676       0         55       M52       X       4.803       4.803       0         56       M52       Z       -2.773       -2.773       0         57       M54       X       0       0       0         58       M54       Z       0       0       0	%100
52         M49         Z         0         0         0           53         M50         X         4.634         4.634         0           54         M50         Z         -2.676         -2.676         0           55         M52         X         4.803         4.803         0           56         M52         Z         -2.773         -2.773         0           57         M54         X         0         0         0           58         M54         Z         0         0         0	%100
53         M50         X         4.634         4.634         0           54         M50         Z         -2.676         -2.676         0           55         M52         X         4.803         4.803         0           56         M52         Z         -2.773         -2.773         0           57         M54         X         0         0         0           58         M54         Z         0         0         0	%100
54         M50         Z         -2.676         -2.676         0           55         M52         X         4.803         4.803         0           56         M52         Z         -2.773         -2.773         0           57         M54         X         0         0         0           58         M54         Z         0         0         0	%100
55         M52         X         4.803         4.803         0           56         M52         Z         -2.773         -2.773         0           57         M54         X         0         0         0           58         M54         Z         0         0         0	%100
56         M52         Z         -2.773         -2.773         0           57         M54         X         0         0         0           58         M54         Z         0         0         0	%100
57         M54         X         0         0         0           58         M54         Z         0         0         0	%100
	%100
	%100
59 M55 X 4634 4634 0	%100
60 M55 7 -2 676 -2 676 0	%100
61 M57 X 4803 4803 0	%100
62 M57 7 -2 773 -2 773 0	%100
63 MP4C X 7 204 7 204 0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	%100
66 MP1C 7 -4 150 4 150 0	%100
67 M60 X 2654 0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	%100
60 M70 X 9723 9722 0	%100
03         100         A         0.123         0.123         0           70         M70         7         5.037         5.037         0	%100
71 M71 X 2/8/ 2/8/ 0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	%100
13         IVI12         A         2.404         U           74         M72         7         4.424         0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	%100
10         IVI/OR         A         4.00         4.00         U           76         M72A         7         0.007         0.007         0	% 100
10         IVI/3A         2         -2.02/         -2.02/         0           77         M76A         X         0.050         0.050         0         0	%100
11         IVI/OA         A         Z.259         U           79         M76A         7         4.004         4.004         0	<u>%100</u>
70 M77D X 0.750 0.750	%100
/9         IVI//B         X         9./59         9./59         0           90         M77D         7         5.005         5.005         0	%100
<u>80 M//B Z -5.635 -5.635 0</u>	%100
81 M82B X 13./34 13./34 0	%100
82 M82B Z -7.929 0	%100
83 M83B X 18.53/ 0	%100
84 M83B Z -10.702 0	%100
85 M85A X 19.211 0	%100
86 M85A Z -11.092 -11.092 0	%100
87 M87 X 13.734 0	<u>%100</u>
88 M87 Z -7.929 0	%100
89 M88A X 4.634 0	<u>%100</u>
90 M88A Z -2.676 -2.676 0	%100
91 M90 X 4.803 0	%100
92 M90 Z -2.773 -2.773 0	%100
93 MP4B X 7.204 7.204 0	%100
94 MP4B Z -4.159 -4.159 0	%100
95 MP1B X 7.204 7.204 0	%100
96 MP1B Z -4.159 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,%]
97	M102	Х	2.654	2.654	0	%100
98	M102	Z	-1.532	-1.532	0	%100
99	M107	Х	10.617	10.617	0	%100
100	M107	Z	-6.13	-6.13	0	%100
101	M111	Х	2.654	2.654	0	%100
102	M111	Z	-1.532	-1.532	0	%100
103	MP3C	Х	7.204	7.204	0	%100
104	MP3C	Z	-4.159	-4.159	0	%100
105	MP2C	Х	7.204	7.204	0	%100
106	MP2C	Z	-4.159	-4.159	0	%100
107	MP3B	Х	7.204	7.204	0	%100
108	MP3B	Z	-4.159	-4.159	0	%100
109	MP2B	Х	7.204	7.204	0	%100
110	MP2B	Z	-4.159	-4.159	0	%100
111	M123	Х	11.657	11.657	0	%100
112	M123	Z	-6.73	-6.73	0	%100
113	M124	Х	2.914	2.914	0	%100
114	M124	Z	-1.683	-1.683	0	%100
115	M125	Х	2.914	2.914	0	%100
116	M125	Z	-1.683	-1.683	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	M20	Х	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M72A	Х	13.431	13.431	0	%100
4	M72A	Z	0	0	0	%100
5	M73	Х	0	0	0	%100
6	M73	Z	0	0	0	%100
7	M74	Х	0	0	0	%100
8	M74	Z	0	0	0	%100
9	M75	Х	0	0	0	%100
10	M75	Z	0	0	0	%100
11	M78	Х	8.239	8.239	0	%100
12	M78	Z	0	0	0	%100
13	M79	Х	8.24	8.24	0	%100
14	M79	Z	0	0	0	%100
15	M84	Х	21.145	21.145	0	%100
16	M84	Z	0	0	0	%100
17	M85	Х	16.053	16.053	0	%100
18	M85	Z	0	0	0	%100
19	M87A	Х	16.637	16.637	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	Х	21.145	21.145	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	Х	16.053	16.053	0	%100
24	M90A	Z	0	0	0	%100
25	M92	Х	16.637	16.637	0	%100
26	M92	Z	0	0	0	%100
27	MP4A	Х	8.319	8.319	0	%100
28	MP4A	Z	0	0	0	%100
29	MP3A	Х	8.319	8.319	0	%100
30	MP3A	Z	0	0	0	%100
31	MP2A	Х	8.319	8.319	0	%100
32	MP2A	Z	0	0	0	%100
33	MP1A	Х	8.319	8.319	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,%]
34	MP1A	Z	0	0	0	%100
35	OVP	Х	6.802	6.802	0	%100
36	OVP	Z	0	0	0	%100
37	M36	Х	9.194	9.194	0	%100
38	M36	Z	0	0	0	%100
39	M37	Х	3.358	3.358	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	8 606	8 606	0	%100
42	M38	7	0	0	0	%100
43	M39	X	8 606	8 606	0	%100
44	M39	7	0.000	0	0	%100
45	M40	X	15 762	15 762	0	<u>%100</u> %100
46	M40	7	0	0	0	%100
40	M43	X	8 665	8 665	0	<u>%100</u>
18	M43	7	0.000	0.000	0	%100
40	M44	×	005	005	0	%100
<del>4</del> 9 50		7	.005	.000	0	%100
50	IVI44		5 206	E 206	0	0/ 100
51	IVI49	7	0.200	0.200	0	0/100 0/100
52	IVI49		0	0	0	0/100
53	UCIVI	7	0	0	0	% 100 9/ 100
54	UCIVI		0	0	0	%100
55	M52	<u> </u>	0	0	0	%100
50	M52		U 5 000	U 5 000	0	%100
57	M54	X	5.286	5.286	0	%100
58	M54	<u> </u>	0	0	0	%100
59	M55	X	16.053	16.053	0	<u>%100</u>
60	M55	<u> </u>	0	0	0	<u>%100</u>
61	<u>M57</u>	X	16.637	16.637	0	<u>%100</u>
62	M57	<u> </u>	0	0	0	%100
63	MP4C	<u> </u>	8.319	8.319	0	<u>%100</u>
64	MP4C	<u> </u>	0	0	0	%100
65	MP1C	<u>X</u>	8.319	8.319	0	%100
66	MP1C	Z	0	0	0	%100
67	M69	<u>X</u>	9.194	9.194	0	%100
68	M69	Z	0	0	0	%100
69	M70	X	3.358	3.358	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	8.606	8.606	0	%100
72	M71	Z	0	0	0	%100
73	M72	X	8.606	8.606	0	%100
74	M72	Z	0	0	0	%100
75	M73A	X	15.762	15.762	0	%100
76	M73A	Z	0	0	0	%100
77	M76A	X	.005	.005	0	%100
78	M76A	Z	0	0	0	%100
79	M77B	X	8.666	8.666	0	%100
80	M77B	Z	0	0	0	%100
81	M82B	Х	5.286	5.286	0	%100
82	M82B	Z	0	0	0	%100
83	M83B	Х	16.053	16.053	0	%100
84	M83B	Z	0	0	0	%100
85	M85A	Х	16.637	16.637	0	%100
86	M85A	Z	0	0	0	%100
87	M87	X	5.286	5.286	0	%100
88	M87	Z	0	0	0	%100
89	M88A	X	0	0	0	%100
90	M88A	Z	0	0	0	%100
00	11100/K	-	<b>·</b>		V	70100

### 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,%]
91	M90	Х	0	0	0	%100
92	M90	Z	0	0	0	%100
93	MP4B	Х	8.319	8.319	0	%100
94	MP4B	Z	0	0	0	%100
95	MP1B	Х	8.319	8.319	0	%100
96	MP1B	Z	0	0	0	%100
97	M102	Х	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M107	Х	9.194	9.194	0	%100
100	M107	Z	0	0	0	%100
101	M111	Х	9.194	9.194	0	%100
102	M111	Z	0	0	0	%100
103	MP3C	Х	8.319	8.319	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	Х	8.319	8.319	0	%100
106	MP2C	Z	0	0	0	%100
107	MP3B	Х	8.319	8.319	0	%100
108	MP3B	Z	0	0	0	%100
109	MP2B	Х	8.319	8.319	0	%100
110	MP2B	Z	0	0	0	%100
111	M123	Х	10.096	10.096	0	%100
112	M123	Z	0	0	0	%100
113	M124	Х	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	Х	10.096	10.096	0	%100
116	M125	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	M20	Х	2.654	2.654	0	%100
2	M20	Z	1.532	1.532	0	%100
3	M72A	Х	8.723	8.723	0	%100
4	M72A	Z	5.037	5.037	0	%100
5	M73	Х	2.484	2.484	0	%100
6	M73	Z	1.434	1.434	0	%100
7	M74	Х	2.484	2.484	0	%100
8	M74	Z	1.434	1.434	0	%100
9	M75	Х	4.55	4.55	0	%100
10	M75	Z	2.627	2.627	0	%100
11	M78	Х	2.259	2.259	0	%100
12	M78	Z	1.304	1.304	0	%100
13	M79	Х	9.759	9.759	0	%100
14	M79	Z	5.635	5.635	0	%100
15	M84	Х	13.734	13.734	0	%100
16	M84	Z	7.929	7.929	0	%100
17	M85	Х	18.537	18.537	0	%100
18	M85	Z	10.702	10.702	0	%100
19	M87A	Х	19.211	19.211	0	%100
20	M87A	Z	11.092	11.092	0	%100
21	M89A	Х	13.734	13.734	0	%100
22	M89A	Z	7.929	7.929	0	%100
23	M90A	Х	4.634	4.634	0	%100
24	M90A	Z	2.676	2.676	0	%100
25	M92	Х	4.803	4.803	0	%100
26	M92	Z	2.773	2.773	0	%100
27	MP4A	Х	7.204	7.204	0	%100
#### Member Distributed Loads (BLC 45 : Structure Wo (120 Deg)) (Continued)

$\begin{array}{c c c c c c c c c c c c c c c c c c c $		Member Label	Direction	Start Magnitude[lb/ft,	. End Magnitude[lb/ft,F.	.Start Location[ft,%]	End Location[ft,%]
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	28	MP4A	Z	4.159	4.159	0	<u>%100</u>
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	29	MP3A	<u>X</u>	7.204	7.204	0	<u>%100</u>
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	30	MP3A		4.159	4.159	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	31		<u> </u>	1.204	7.204	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	32		<u> </u>	4.159	4.159	0	<u>%100</u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	33	MP1A	X	7.204	7.204	0	<u>%100</u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	34	MP1A	<u> </u>	4.159	4.159	0	<u>%100</u>
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	35		X	5.891	5.891	0	<u>%100</u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	36		Z	3.401	3.401	0	<u>%100</u>
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	37	M36	X	2.654	2.654	0	<u>%100</u>
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	38	M36	<u> </u>	1.532	1.532	0	<u>%100</u>
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	39	<u>M37</u>	<u> </u>	8.723	8.723	0	<u>%100</u>
	40	<u>M37</u>	<u> </u>	5.037	5.037	0	<u>%100</u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	41	<u>M38</u>	X	2.484	2.484	0	<u>%100</u>
43         M39         X         2.484         2.484         0 $\%100$ 44         M39         Z         1.434         1.434         0 $\%100$ 45         M40         X         4.55         4.55         0 $\%100$ 46         M40         Z         2.627         2.627         0 $\%100$ 47         M43         X         9.758         9.758         0 $\%100$ 48         M43         Z         5.634         5.634         0 $\%100$ 49         M44         X         2.259         2.259         0 $\%100$ 50         M44         Z         1.304         1.304         0 $\%100$ 51         M49         Z         7.929         7.929         0 $\%100$ 53         M50         X         4.634         4.634         0 $\%100$ 54         M50         Z         2.773         0 $\%100$ 55         M52         X         4.803         4.803         0 $\%100$ 57         M54	42	<u>M38</u>		1.434	1.434	0	%100
44         M39         Z         1.434         1.434         0         %100           45         M40         X         4.55         4.55         0         %100           46         M40         Z         2.627         2.627         0         %100           47         M43         X         9.758         9.758         0         %100           48         M43         Z         5.634         5.634         0         %100           49         M44         X         2.259         2.259         0         %100           50         M44         Z         1.304         13.734         0         %100           51         M49         X         13.734         13.734         0         %100           52         M49         Z         7.929         7.929         0         %100           53         M50         X         4.634         4.634         0         %100           54         M52         Z         2.773         0         %100           55         M52         X         4.803         4.803         0         %100           57         M54         X	43	<u>M39</u>	<u> </u>	2.484	2.484	0	<u>%100</u>
45         M40         X         4.55         4.55         0 $\%100$ 46         M40         Z         2.627         2.627         0 $\%100$ 47         M43         X         9.758         9.758         0 $\%100$ 48         M43         Z         5.634         5.634         0 $\%100$ 50         M44         X         2.259         0 $\%100$ 51         M49         X         13.734         13.734         0 $\%100$ 52         M49         Z         7.929         7.929         0 $\%100$ 53         M50         X         4.634         4.634         0 $\%100$ 54         M50         Z         2.676         2.676         0 $\%100$ 56         M52         X         4.803         4.803         0 $\%100$ 57         M54         X         13.734         13.734         0 $\%100$ 58         M52         X         18.537         18.537         0 $\%100$ 59         M55 </td <td>44</td> <td><u>M39</u></td> <td>Z</td> <td>1.434</td> <td>1.434</td> <td>0</td> <td>%100</td>	44	<u>M39</u>	Z	1.434	1.434	0	%100
46         M40         Z         2.62/         2.62/         0 $\%100$ 47         M43         X         9.758         9.758         0 $\%100$ 48         M43         Z         5.634         5.634         0 $\%100$ 49         M44         X         2.259         2.259         0 $\%100$ 50         M44         Z         1.304         1.304         0 $\%100$ 51         M49         X         13.734         13.734         0 $\%100$ 52         M49         Z         7.929         7.929         0 $\%100$ 53         M50         X         4.634         4.634         0 $\%100$ 54         M50         Z         2.676         2.676         0 $\%100$ 55         M52         Z         2.773         2.773         0 $\%100$ 56         M52         Z         7.929         7.929         0 $\%100$ 58         M54         Z         7.929         7.929         0 $\%100$ 60 </td <td>45</td> <td><u>M40</u></td> <td><u> </u></td> <td>4.55</td> <td>4.55</td> <td>0</td> <td><u>%100</u></td>	45	<u>M40</u>	<u> </u>	4.55	4.55	0	<u>%100</u>
47       M43       X       9.758       9.758       0       %100         48       M43       Z       5.634       5.634       0       %100         49       M44       X       2.259       2.259       0       %100         50       M44       Z       1.304       1.304       0       %100         51       M49       X       13.734       13.734       0       %100         52       M49       Z       7.929       7.929       0       %100         54       M50       X       4.634       4.634       0       %100         55       M52       X       4.803       4.803       0       %100         56       M52       Z       2.773       2.773       0       %100         57       M54       X       13.734       13.734       0       %100         58       M54       Z       7.929       7.929       0       %100         59       M55       X       18.537       18.537       0       %100         61       M57       X       19.211       19.211       0       %100         62       M57	46	<u>M40</u>	Z	2.627	2.627	0	%100
48         M43         Z         5.634         5.634         0         %100           49         M44         X         2.259         0         %100           50         M44         Z         1.304         1.304         0         %100           51         M49         X         13.734         13.734         0         %100           52         M49         Z         7.929         0         %100           53         M50         X         4.634         4.634         0         %100           54         M50         Z         2.676         2.676         0         %100           56         M52         X         4.803         4.803         0         %100           56         M52         Z         2.773         2.773         0         %100           57         M54         X         13.734         13.734         0         %100           59         M55         X         18.537         18.537         0         %100           60         M55         Z         10.702         0         %100         63           61         M57         Z         11.9211	47	M43	<u> </u>	9.758	9.758	0	%100
49M44X2.2592.2590%10050M44Z1.3041.3040%10051M49X13.73413.7340%10052M49Z7.9297.9290%10053M50X4.6344.6340%10054M50Z2.6762.6760%10055M52X4.8034.8030%10056M52Z2.7732.7730%10057M54X13.73413.7340%10058M54Z7.9297.9290%10059M55X18.53718.5370%10060M55Z10.7020%100%10061M57X19.21119.2110%10062M57Z11.09211.0920%10063MP4CZ7.2047.2040%10064MP4CZ4.1594.1590%10065M69X10.6170%100%10066MP1CZ6.136.130%10070M70X000%10071M71X9.9389.9380%10072M71Z5.7385.7380%10074M72Z5.7385.7380%1	48	M43	Z	5.634	5.634	0	%100
50         M44         Z         1.304         1.304         0         %100           51         M49         X         13.734         13.734         0         %100           52         M49         Z         7.929         7.929         0         %100           53         M50         X         4.634         4.634         0         %100           54         M50         Z         2.676         2.676         0         %100           55         M52         X         4.803         0         %100           56         M52         Z         2.773         2.773         0         %100           57         M54         X         13.734         13.734         0         %100           58         M54         Z         7.929         7.929         0         %100           59         M55         X         18.537         18.537         0         %100           60         M55         Z         10.702         0         %100         %100           61         M57         Z         11.092         11.092         0         %100           63         MP4C         X </td <td>49</td> <td>M44</td> <td><u> </u></td> <td>2.259</td> <td>2.259</td> <td>0</td> <td>%100</td>	49	M44	<u> </u>	2.259	2.259	0	%100
51         M49         X         13.734         13.734         0         %100           52         M49         Z         7.929         7.929         0         %100           53         M50         X         4.634         4.634         0         %100           54         M50         Z         2.676         2.676         0         %100           55         M52         X         4.803         4.803         0         %100           56         M52         Z         2.773         2.773         0         %100           57         M54         X         13.734         13.734         0         %100           58         M54         Z         7.929         7.929         0         %100           59         M55         X         18.537         10.702         0         %100           61         M57         X         19.211         19.211         0         %100           62         M57         Z         11.092         11.092         0         %100           63         MP4C         X         7.204         7.204         0         %100           64 <td< td=""><td>50</td><td>M44</td><td>Z</td><td>1.304</td><td>1.304</td><td>0</td><td><u>%100</u></td></td<>	50	M44	Z	1.304	1.304	0	<u>%100</u>
52         M49         Z         7.929         7.929         0         %100           53         M50         X         4.634         4.634         0         %100           54         M50         Z         2.676         2.676         0         %100           55         M52         X         4.803         4.803         0         %100           56         M52         Z         2.773         2.773         0         %100           57         M54         X         13.734         13.734         0         %100           58         M54         Z         7.929         7.929         0         %100           59         M55         X         18.537         18.537         0         %100           60         M57         Z         10.702         0         %100         61           61         M57         Z         11.092         11.092         0         %100           63         MP4C         X         7.204         7.204         0         %100           64         MP4C         Z         4.159         4.159         0         %100           65         MP1C	51	M49	X	13.734	13.734	0	%100
53M50X4.6344.6340 $\%100$ 54M50Z2.6762.6760 $\%100$ 55M52X4.8034.8030 $\%100$ 56M52Z2.7732.7730 $\%100$ 57M54X13.73413.7340 $\%100$ 58M54Z7.9297.9290 $\%100$ 59M55X18.53718.5370 $\%100$ 60M55Z10.70210.7020 $\%100$ 61M57X19.21119.2110 $\%100$ 62M57Z11.09211.0920 $\%100$ 63MP4CX7.2047.2040 $\%100$ 64MP4CZ4.1594.1590 $\%100$ 65MP1CZ4.1594.1590 $\%100$ 66MP1CZ4.1594.1590 $\%100$ 67M69X10.61710.6170 $\%100$ 68M69Z6.136.130 $\%100$ 70M70Z000 $\%100$ 71M71Z5.7385.7380 $\%100$ 73M72X9.9389.9380 $\%100$ 74M72Z5.7385.7380 $\%100$ 76M73AX18.218.218.2076M73AZ<	52	M49	Z	7.929	7.929	0	%100
54M50Z2.6762.6760 $\%100$ 55M52X4.8034.8030 $\%100$ 56M52Z2.7732.7730 $\%100$ 57M54X13.73413.7340 $\%100$ 58M54Z7.9297.9290 $\%100$ 59M55X18.53718.5370 $\%100$ 60M55Z10.70210.7020 $\%100$ 61M57X19.21119.2110 $\%100$ 62M57Z11.09211.0920 $\%100$ 63MP4CX7.2047.2040 $\%100$ 64MP4CZ4.1594.1590 $\%100$ 65MP1CX7.2047.2040 $\%100$ 66MP1CZ6.136.130 $\%100$ 67M69X10.61710.6170 $\%100$ 68M69Z6.136.130 $\%100$ 70M70X000 $\%100$ 71M71X9.9389.9380 $\%100$ 73M72X9.9389.9380 $\%100$ 74M72Z5.7385.7380 $\%100$ 75M73AX18.218.20 $\%100$ 76M73AZ10.50810.5080 $\%100$ 77M76AX <td>53</td> <td>M50</td> <td><u> </u></td> <td>4.634</td> <td>4.634</td> <td>0</td> <td><u> </u></td>	53	M50	<u> </u>	4.634	4.634	0	<u> </u>
55         M52         X         4.803         4.803         0 $\%100$ 56         M52         Z         2.773         2.773         0 $\%100$ 57         M54         X         13.734         13.734         0 $\%100$ 58         M54         Z         7.929         7.929         0 $\%100$ 59         M55         X         18.537         18.537         0 $\%100$ 60         M55         Z         10.702         10.702         0 $\%100$ 61         M57         X         19.211         19.211         0 $\%100$ 62         M57         Z         11.092         11.092         0 $\%100$ 63         MP4C         X         7.204         7.204         0 $\%100$ 64         MP4C         Z         4.159         4.159         0 $\%100$ 66         MF1C         X         7.204         7.204         0 $\%100$ 67         M69         X         10.617         10.617         0 $\%100$	54	M50	Z	2.676	2.676	0	%100
56         M52         Z         2.773         2.773         0         %100           57         M54         X         13.734         0         %100           58         M54         Z         7.929         7.929         0         %100           59         M55         X         18.537         18.537         0         %100           60         M55         Z         10.702         10.702         0         %100           61         M57         X         19.211         19.211         0         %100           62         M57         Z         11.092         11.092         0         %100           63         MP4C         X         7.204         7.204         0         %100           64         MP4C         Z         4.159         4.159         0         %100           65         MP1C         X         7.204         7.204         0         %100           66         MP1C         Z         4.159         4.159         0         %100           67         M69         X         10.617         0         %100         %100           68         M69 <td< td=""><td>55</td><td>M52</td><td>X</td><td>4.803</td><td>4.803</td><td>0</td><td><u>%100</u></td></td<>	55	M52	X	4.803	4.803	0	<u>%100</u>
57M54X13.73413.7340%10058M54Z7.9290%10059M55X18.53718.5370%10060M55Z10.70210.7020%10061M57X19.21119.2110%10062M57Z11.09211.0920%10063MP4CX7.2047.2040%10064MP4CZ4.1594.1590%10065MP1CX7.2047.2040%10066MP1CZ4.1594.1590%10067M69X10.61710.6170%10068M69Z6.136.130%10070M70X000%10071M71X9.9389.9380%10073M72X9.389.9380%10074M72Z5.7385.7380%10076M73AX18.218.20%10077M76AX2.6270%10078M76AX2.6270%100	56	M52	Z	2.773	2.773	0	%100
58M54Z7.9297.9290%10059M55X18.53718.5370%10060M55Z10.70210.7020%10061M57X19.21119.2110%10062M57Z11.09211.0920%10063MP4CX7.2047.2040%10064MP4CZ4.1594.1590%10065MP1CX7.2047.2040%10066MP1CZ4.1590%10067M69X10.61710.6170%10068M69Z6.136.130%10070M70X000%10071M71X9.9389.9380%10073M72X9.9385.7380%10074M72Z5.7385.7380%10075M73AX18.218.20%10076M73AZ10.50810.5080%10078M76AZ15170%100	57	M54	X	13.734	13.734	0	<u>%100</u>
59M55X18.53718.5370 $\%100$ 60M55Z10.70210.7020 $\%100$ 61M57X19.21119.2110 $\%100$ 62M57Z11.09211.0920 $\%100$ 63MP4CX7.2047.2040 $\%100$ 64MP4CZ4.1594.1590 $\%100$ 65MP1CX7.2047.2040 $\%100$ 66MP1CZ4.1594.1590 $\%100$ 67M69X10.61710.6170 $\%100$ 68M69Z6.136.130 $\%100$ 69M70X000 $\%100$ 70M70Z000 $\%100$ 71M71Z5.7385.7380 $\%100$ 73M72Z5.7385.7380 $\%100$ 74M72Z5.7385.7380 $\%100$ 76M73AZ10.50810.5080 $\%100$ 78M76AX2.6272.6270 $\%100$	58	M54	Z	7.929	7.929	0	<u>%100</u>
60M55Z10.70210.7020%10061M57X19.21119.2110%10062M57Z11.09211.0920%10063MP4CX7.2047.2040%10064MP4CZ4.1594.1590%10065MP1CX7.2047.2040%10066MP1CZ4.1594.1590%10067M69X10.61710.6170%10068M69Z6.136.130%10070M70X000%10071M71X9.9389.9380%10073M72X9.9389.9380%10074M72Z5.7385.7380%10075M73AX18.218.20%10076M73AZ10.50810.5080%10078M76AX2.6270%100	59	M55	X	18.537	18.537	0	<u>%100</u>
61         M57         X         19.211         19.211         0         %100           62         M57         Z         11.092         11.092         0         %100           63         MP4C         X         7.204         7.204         0         %100           64         MP4C         Z         4.159         4.159         0         %100           65         MP1C         X         7.204         7.204         0         %100           66         MP1C         Z         4.159         4.159         0         %100           66         MP1C         Z         4.159         0         %100           67         M69         X         10.617         0         %100           68         M69         Z         6.13         6.13         0         %100           70         M70         Z         0         0         0         %100           71         M71         X         9.938         9.938         0         %100           72         M71         Z         5.738         5.738         0         %100           73         M72         X         9.938	60	M55	Z	10.702	10.702	0	%100
62         M57         Z         11.092         11.092         0         %100           63         MP4C         X         7.204         7.204         0         %100           64         MP4C         Z         4.159         0         %100           65         MP1C         X         7.204         7.204         0         %100           66         MP1C         Z         4.159         0         %100           66         MP1C         Z         4.159         0         %100           67         M69         X         10.617         10.617         0         %100           68         M69         Z         6.13         6.13         0         %100           69         M70         X         0         0         0         %100           70         M70         Z         0         0         0         %100           71         M71         X         9.938         9.938         0         %100           72         M71         Z         5.738         5.738         0         %100           73         M72         X         9.938         9.938         0 </td <td>61</td> <td>M57</td> <td>X</td> <td>19.211</td> <td>19.211</td> <td>0</td> <td><u>%100</u></td>	61	M57	X	19.211	19.211	0	<u>%100</u>
63         MP4C         X         7.204         7.204         0         %100           64         MP4C         Z         4.159         4.159         0         %100           65         MP1C         X         7.204         7.204         0         %100           66         MP1C         Z         4.159         4.159         0         %100           66         MP1C         Z         4.159         4.159         0         %100           67         M69         X         10.617         10.617         0         %100           68         M69         Z         6.13         6.13         0         %100           69         M70         X         0         0         0         %100           70         M70         Z         0         0         0         %100           71         M71         X         9.938         9.938         0         %100           72         M71         Z         5.738         5.738         0         %100           73         M72         X         9.938         9.938         0         %100           75         M73A	62	M57	Z	11.092	11.092	0	%100
64         MP4C         Z         4.159         4.159         0         %100           65         MP1C         X         7.204         7.204         0         %100           66         MP1C         Z         4.159         4.159         0         %100           66         MP1C         Z         4.159         0         %100           67         M69         X         10.617         10.617         0         %100           68         M69         Z         6.13         6.13         0         %100           69         M70         X         0         0         0         %100           70         M70         Z         0         0         0         %100           71         M71         X         9.938         9.938         0         %100           72         M71         Z         5.738         5.738         0         %100           74         M72         Z         5.738         5.738         0         %100           75         M73A         X         18.2         18.2         0         %100           76         M73A         Z         10.508	63	MP4C	<u> </u>	7.204	7.204	0	<u> </u>
65         MP1C         X         7.204         7.204         0         %100           66         MP1C         Z         4.159         0         %100           67         M69         X         10.617         10.617         0         %100           68         M69         Z         6.13         6.13         0         %100           69         M70         X         0         0         0         %100           70         M70         Z         0         0         0         %100           71         M71         X         9.938         9.938         0         %100           72         M71         Z         5.738         5.738         0         %100           73         M72         X         9.938         9.938         0         %100           74         M72         Z         5.738         5.738         0         %100           76         M73A         X         18.2         18.2         0         %100           77         M76A         X         2.627         2.627         0         %100           78         M76A         Z         1.517 </td <td>64</td> <td>MP4C</td> <td>Z</td> <td>4.159</td> <td>4.159</td> <td>0</td> <td>%100</td>	64	MP4C	Z	4.159	4.159	0	%100
66         MP1C         Z         4.159         4.159         0         %100           67         M69         X         10.617         10.617         0         %100           68         M69         Z         6.13         6.13         0         %100           69         M70         X         0         0         0         %100           70         M70         Z         0         0         0         %100           71         M71         X         9.938         9.938         0         %100           72         M71         Z         5.738         5.738         0         %100           73         M72         X         9.938         9.938         0         %100           74         M72         Z         5.738         5.738         0         %100           75         M73A         X         18.2         18.2         0         %100           76         M73A         Z         10.508         10.508         0         %100           77         M76A         X         2.627         2.627         0         %100           78         M76A         Z	65	MP1C	X	7.204	7.204	0	<u>%100</u>
67         M69         X         10.617         10.617         0         %100           68         M69         Z         6.13         6.13         0         %100           69         M70         X         0         0         0         %100           70         M70         Z         0         0         0         %100           71         M71         X         9.938         9.938         0         %100           72         M71         Z         5.738         5.738         0         %100           73         M72         X         9.938         9.938         0         %100           74         M72         Z         5.738         5.738         0         %100           75         M73A         X         18.2         18.2         0         %100           76         M73A         Z         10.508         10.508         0         %100           77         M76A         X         2.627         2.627         0         %100           78         M76A         Z         1517         1517         0         %100	66	MP1C	Z	4.159	4.159	0	%100
68         M69         Z         6.13         6.13         0         %100           69         M70         X         0         0         0         %100           70         M70         Z         0         0         0         %100           71         M71         X         9.938         9.938         0         %100           72         M71         Z         5.738         5.738         0         %100           73         M72         X         9.938         9.938         0         %100           74         M72         Z         5.738         5.738         0         %100           75         M73A         X         18.2         18.2         0         %100           76         M73A         Z         10.508         10.508         0         %100           77         M76A         X         2.627         0         %100           78         M76A         Z         1517         1.517         0         %100	67	M69	X	10.617	10.617	0	<u> </u>
69         M70         X         0         0         0         %100           70         M70         Z         0         0         0         %100           71         M71         X         9.938         9.938         0         %100           72         M71         Z         5.738         5.738         0         %100           73         M72         X         9.938         9.938         0         %100           74         M72         Z         5.738         5.738         0         %100           75         M73A         X         18.2         18.2         0         %100           76         M73A         Z         10.508         10.508         0         %100           77         M76A         X         2.627         0         %100           78         M76A         Z         1.517         1.517         0         %100	68	M69	Z	6.13	6.13	0	%100
70         M70         Z         0         0         0         %100           71         M71         X         9.938         9.938         0         %100           72         M71         Z         5.738         5.738         0         %100           73         M72         X         9.938         9.938         0         %100           74         M72         Z         5.738         5.738         0         %100           75         M73A         X         18.2         18.2         0         %100           76         M73A         Z         10.508         10.508         0         %100           77         M76A         X         2.627         2.627         0         %100           78         M76A         Z         1.517         1.517         0         %100	69	M70	X	0	0	0	%100
71         M71         X         9.938         9.938         0         %100           72         M71         Z         5.738         5.738         0         %100           73         M72         X         9.938         9.938         0         %100           74         M72         Z         5.738         5.738         0         %100           74         M72         Z         5.738         5.738         0         %100           75         M73A         X         18.2         18.2         0         %100           76         M73A         Z         10.508         10.508         0         %100           77         M76A         X         2.627         2.627         0         %100           78         M76A         Z         1.517         1.517         0         %100	70	M70	Z	0	0	0	%100
72         M71         Z         5.738         5.738         0         %100           73         M72         X         9.938         9.938         0         %100           74         M72         Z         5.738         5.738         0         %100           74         M72         Z         5.738         5.738         0         %100           75         M73A         X         18.2         18.2         0         %100           76         M73A         Z         10.508         10.508         0         %100           77         M76A         X         2.627         2.627         0         %100           78         M76A         Z         1.517         1.517         0         %100	71	M71	<u>X</u>	9.938	9.938	0	%100
73         M72         X         9.938         9.938         0         %100           74         M72         Z         5.738         5.738         0         %100           75         M73A         X         18.2         18.2         0         %100           76         M73A         Z         10.508         10.508         0         %100           77         M76A         X         2.627         2.627         0         %100           78         M76A         Z         1.517         1.517         0         %100	72	M71	Z	5.738	5.738	0	%100
74         M72         Z         5.738         5.738         0         %100           75         M73A         X         18.2         18.2         0         %100           76         M73A         Z         10.508         10.508         0         %100           77         M76A         X         2.627         2.627         0         %100           78         M76A         Z         1.517         1.517         0         %100	73	M72	X	9.938	9.938	0	%100
75         M73A         X         18.2         18.2         0         %100           76         M73A         Z         10.508         10.508         0         %100           77         M76A         X         2.627         2.627         0         %100           78         M76A         Z         1.517         1.517         0         %100	74	M72	Z	5.738	5.738	0	%100
76         M73A         Z         10.508         10.508         0         %100           77         M76A         X         2.627         2.627         0         %100           78         M76A         Z         1.517         1.517         0         %100	75	M73A	X	18.2	18.2	0	%100
77         M76A         X         2.627         2.627         0         %100           78         M76A         7         1.517         1.517         0         %400	76	M73A	Z	10.508	10.508	0	%100
78 M76A 7 1517 1517 0 %100	77	M76A	X	2.627	2.627	0	%100
	78	M76A	Z	1.517	1.517	0	%100
79         M77B         X         2.628         2.628         0         %100	79	M77B	X	2.628	2.628	0	%100
80 M77B Z 1.517 1.517 0 %100	80	M77B	Z	1.517	1.517	0	%100
81 M82B X 0 0 0 %100	81	M82B	Х	0	0	0	%100
82 M82B Z 0 0 0 %100	82	M82B	Z	0	0	0	%100
83 M83B X 4.634 4.634 0 %100	83	M83B	X	4.634	4.634	0	%100
84 M83B Z 2.676 2.676 0 %100	84	<u>M83B</u>	Z	2.676	2.676	0	%100

Page 105

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

	Member Label	Direction	Start Magnitude[lb/ft,	. End Magnitude[lb/ft,F	.Start Location[ft,%]	End Location[ft,%]
85	M85A	Х	4.803	4.803	0	%100
86	M85A	Z	2.773	2.773	0	%100
87	M87	Х	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88A	Х	4.634	4.634	0	%100
90	M88A	Z	2.676	2.676	0	%100
91	M90	Х	4.803	4.803	0	%100
92	M90	Z	2.773	2.773	0	%100
93	MP4B	Х	7.204	7.204	0	%100
94	MP4B	Z	4.159	4.159	0	%100
95	MP1B	Х	7.204	7.204	0	%100
96	MP1B	Z	4.159	4.159	0	%100
97	M102	Х	2.654	2.654	0	%100
98	M102	Z	1.532	1.532	0	%100
99	M107	Х	2.654	2.654	0	%100
100	M107	Z	1.532	1.532	0	%100
101	M111	Х	10.617	10.617	0	%100
102	M111	Z	6.13	6.13	0	%100
103	MP3C	Х	7.204	7.204	0	%100
104	MP3C	Z	4.159	4.159	0	%100
105	MP2C	Х	7.204	7.204	0	%100
106	MP2C	Z	4.159	4.159	0	%100
107	MP3B	Х	7.204	7.204	0	%100
108	MP3B	Z	4.159	4.159	0	%100
109	MP2B	Х	7.204	7.204	0	%100
110	MP2B	Z	4.159	4.159	0	%100
111	M123	Х	2.914	2.914	0	%100
112	M123	Z	1.683	1.683	0	%100
113	M124	X	2.914	2.914	0	%100
114	M124	Z	1.683	1.683	0	%100
115	M125	Х	11.657	11.657	0	%100
116	M125	Z	6.73	6.73	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	M20	Х	4.597	4.597	0	%100
2	M20	Z	7.962	7.962	0	%100
3	M72A	Х	1.679	1.679	0	%100
4	M72A	Z	2.908	2.908	0	%100
5	M73	Х	4.303	4.303	0	%100
6	M73	Z	7.453	7.453	0	%100
7	M74	Х	4.303	4.303	0	%100
8	M74	Z	7.453	7.453	0	%100
9	M75	Х	7.881	7.881	0	%100
10	M75	Z	13.65	13.65	0	%100
11	M78	Х	.003	.003	0	%100
12	M78	Z	.005	.005	0	%100
13	M79	Х	4.333	4.333	0	%100
14	M79	Z	7.505	7.505	0	%100
15	M84	Х	2.643	2.643	0	%100
16	M84	Z	4.578	4.578	0	%100
17	M85	Х	8.027	8.027	0	%100
18	M85	Z	13.903	13.903	0	%100
19	M87A	Х	8.319	8.319	0	%100
20	M87A	Z	14.408	14.408	0	%100
21	M89A	Х	2.643	2.643	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,%]
22	M89A	Z	4.578	4.578	0	%100
23	M90A	X	0	0	0	<u>%100</u>
24	M90A	Z	0	0	0	%100
25	M92	X	0	0	0	%100
26	M92	Z	0	0	0	%100
27	MP4A	X	4.159	4.159	0	%100
28	MP4A	Z	7.204	7.204	0	%100
29	MP3A	X	4.159	4.159	0	%100
30	MP3A	Z	7.204	7.204	0	%100
31	MP2A	X	4.159	4.159	0	%100
32	MP2A	Z	7.204	7.204	0	%100
33	MP1A	X	4.159	4.159	0	%100
34	MP1A	Z	7.204	7.204	0	%100
35	OVP	Χ	3.401	3.401	0	%100
36	OVP	Z	5.891	5.891	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	6.715	6.715	0	%100
40	M37	Z	11.631	11.631	0	%100
41	M38	Х	0	0	0	%100
42	M38	Z	0	0	0	%100
43	M39	X	0	0	0	%100
44	M39	Z	0	0	0	%100
45	M40	Х	0	0	0	%100
46	M40	Z	0	0	0	%100
47	M43	Х	4.12	4.12	0	%100
48	M43	Z	7.135	7.135	0	%100
49	M44	Х	4.12	4.12	0	%100
50	M44	Z	7.136	7.136	0	%100
51	M49	Х	10.573	10.573	0	%100
52	M49	Z	18.312	18.312	0	%100
53	M50	Х	8.027	8.027	0	%100
54	M50	Z	13.903	13.903	0	%100
55	M52	Х	8.319	8.319	0	%100
56	M52	Z	14.408	14.408	0	%100
57	M54	Х	10.573	10.573	0	%100
58	M54	Z	18.312	18.312	0	%100
59	M55	Х	8.027	8.027	0	%100
60	M55	Z	13.903	13.903	0	%100
61	M57	Х	8.319	8.319	0	%100
62	M57	Z	14.408	14.408	0	%100
63	MP4C	Х	4.159	4.159	0	%100
64	MP4C	Z	7.204	7.204	0	%100
65	MP1C	Х	4.159	4.159	0	%100
66	MP1C	Z	7.204	7.204	0	%100
67	M69	Х	4.597	4.597	0	%100
68	M69	Z	7.962	7.962	0	%100
69	M70	X	1.679	1.679	0	%100
70	M70	Z	2.908	2.908	0	%100
71	M71	X	4.303	4.303	0	%100
72	M71	Z	7,453	7,453	0	%100
73	M72	X	4,303	4,303	0	%100
74	M72	7	7,453	7,453	0	%100
75	M73A	X	7.881	7.881	0	%100
76	M73A	7	13.65	13.65	0	%100
77	M76A	X	4 332	4 332	0	%100
78	M76A	7	7 504	7 504	0	%100
10		4	7.00+	7.504	0	70100

#### 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,%]
79	M77B	Х	.003	.003	0	%100
80	M77B	Z	.005	.005	0	%100
81	M82B	Х	2.643	2.643	0	%100
82	M82B	Z	4.578	4.578	0	%100
83	M83B	Х	0	0	0	%100
84	M83B	Z	0	0	0	%100
85	M85A	Х	0	0	0	%100
86	M85A	Z	0	0	0	%100
87	M87	Х	2.643	2.643	0	%100
88	M87	Z	4.578	4.578	0	%100
89	M88A	Х	8.027	8.027	0	%100
90	M88A	Z	13,903	13,903	0	%100
91	M90	Х	8.319	8.319	0	%100
92	M90	Z	14.408	14,408	0	%100
93	MP4B	Х	4.159	4.159	0	%100
94	MP4B	Z	7.204	7.204	0	%100
95	MP1B	Х	4.159	4.159	0	%100
96	MP1B	Z	7.204	7.204	0	%100
97	M102	Х	4.597	4.597	0	%100
98	M102	Z	7.962	7.962	0	%100
99	M107	Х	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M111	Х	4.597	4.597	0	%100
102	M111	Z	7.962	7.962	0	%100
103	MP3C	Х	4.159	4.159	0	%100
104	MP3C	Z	7.204	7.204	0	%100
105	MP2C	Х	4.159	4.159	0	%100
106	MP2C	Z	7.204	7.204	0	%100
107	MP3B	Х	4.159	4.159	0	%100
108	MP3B	Z	7.204	7.204	0	%100
109	MP2B	Х	4.159	4.159	0	%100
110	MP2B	Z	7.204	7.204	0	%100
111	M123	Х	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	Х	5.048	5.048	0	%100
114	M124	Z	8.743	8.743	0	%100
115	M125	Х	5.048	5.048	0	%100
116	M125	7	87/3	8 7/3	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	M20	Х	0	0	0	%100
2	M20	Z	12.259	12.259	0	%100
3	M72A	Х	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M73	Х	0	0	0	%100
6	M73	Z	11.475	11.475	0	%100
7	M74	Х	0	0	0	%100
8	M74	Z	11.475	11.475	0	%100
9	M75	Х	0	0	0	%100
10	M75	Z	21.015	21.015	0	%100
11	M78	Х	0	0	0	%100
12	M78	Z	3.034	3.034	0	%100
13	M79	Х	0	0	0	%100
14	M79	Z	3.034	3.034	0	%100
15	M84	Х	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,%]
16	M84	Z	0	0	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	5.351	5.351	0	%100
19	M87A	Х	0	0	0	%100
20	M87A	Z	5.546	5.546	0	%100
21	M89A	Х	0	0	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	Х	0	0	0	%100
24	M90A	Z	5.351	5.351	0	%100
25	M92	Х	0	0	0	%100
26	M92	Z	5.546	5.546	0	%100
27	MP4A	X	0	0	0	%100
28	MP4A	Z	8.319	8.319	0	%100
29	MP3A	X	0	0	0	%100
30	MP3A	7	8 3 1 9	8 319	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	7	8 3 1 9	8 319	0	%100
33	MP1A	X	0.010	0	0	%100
34	MP1A	7	8 3 1 9	8 3 1 9	0	%100
35	0\/P	X	0.010	0.010	0	%100
36	0\/P	7	6 802	6 802	0	%100
37	M36	X	0.002	0.002	0	%100
38	M36	7	3.065	3.065	0	%100
30	M37	X	0	0	0	<u>%100</u>
40	M37	7	10.073	10.073	0	%100
40	M39	×	10.073	10.075	0	%100
41	M29	7	2,860	2,860	0	%100
42	M20		2.009	2.009	0	<u> </u>
43	N39	7	2,960	2 960	0	<u> </u>
44	M40		2.009	2.009	0	<u>%100</u>
40	<u>IVI40</u>	7	<u> </u>	<u> </u>	0	<u> </u>
40	<u>IVI40</u>		0.204	0.204	0	<u>%100</u>
47	IVI43	7	0	0	0	%100
48	<u>IVI43</u>		2.008	2.008	0	%100
49	<u>IVI44</u>	<u> </u>	11.000	11.000	0	%100
50	M44	<u> </u>	11.269	11.269	0	%100
51	M49	X	0	0	0	%100
52	M49	<u> </u>	15.859	15.859	0	<u>%100</u>
53	M50	X	0	04.405	0	%100
54	M50	Z	21.405	21.405	0	%100
55	M52	X	0	0	0	%100
56	M52		22.183	22.183	0	%100
57	<u>M54</u>	<u> </u>	0	0	0	%100
58	M54	<u> </u>	15.859	15.859	0	%100
59	M55	<u> </u>	0	0	0	%100
60	M55	<u> </u>	5.351	5.351	0	%100
61	<u>M57</u>	X	0	0	0	%100
62	M57	Z	5.546	5.546	0	%100
63	MP4C	X	0	0	0	%100
64	MP4C	Z	8.319	8.319	0	%100
65	MP1C	Χ	0	0	0	%100
66	MP1C	Z	8.319	8.319	0	%100
67	M69	Χ	0	0	0	%100
68	M69	Z	3.065	3.065	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	10.073	10.073	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	2.869	2.869	0	%100

Page 109

#### 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,%]
73	M72	Х	0	0	0	%100
74	M72	Z	2.869	2.869	0	%100
75	M73A	Х	0	0	0	%100
76	M73A	Z	5.254	5.254	0	%100
77	M76A	Х	0	0	0	%100
78	M76A	Z	11.267	11.267	0	%100
79	M77B	Х	0	0	0	%100
80	M77B	Z	2.609	2.609	0	%100
81	M82B	Х	0	0	0	%100
82	M82B	Z	15.859	15.859	0	%100
83	M83B	Х	0	0	0	%100
84	M83B	Z	5.351	5.351	0	%100
85	M85A	Х	0	0	0	%100
86	M85A	Z	5.546	5.546	0	%100
87	M87	Х	0	0	0	%100
88	M87	Z	15.859	15.859	0	%100
89	M88A	Х	0	0	0	%100
90	M88A	Z	21.405	21.405	0	%100
91	M90	Х	0	0	0	%100
92	M90	Z	22.183	22.183	0	%100
93	MP4B	Х	0	0	0	%100
94	MP4B	Z	8.319	8.319	0	%100
95	MP1B	Х	0	0	0	%100
96	MP1B	Z	8.319	8.319	0	%100
97	M102	Х	0	0	0	%100
98	M102	Z	12.259	12.259	0	%100
99	M107	Х	0	0	0	%100
100	M107	Z	3.065	3.065	0	%100
101	M111	Х	0	0	0	%100
102	M111	Z	3.065	3.065	0	%100
103	MP3C	Х	0	0	0	%100
104	MP3C	Z	8.319	8.319	0	%100
105	MP2C	Х	0	0	0	%100
106	MP2C	Z	8.319	8.319	0	%100
107	MP3B	Х	0	0	0	%100
108	MP3B	Z	8.319	8.319	0	%100
109	MP2B	Х	0	0	0	%100
110	MP2B	Z	8.319	8.319	0	%100
111	M123	Х	0	0	0	%100
112	M123	Z	3.365	3.365	0	%100
113	M124	Х	0	0	0	%100
114	M124	Z	13.461	13.461	0	%100
115	M125	Х	0	0	0	%100
116	M125	Z	3.365	3.365	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	M20	Х	-4.597	-4.597	0	%100
2	M20	Z	7.962	7.962	0	%100
3	M72A	Х	-1.679	-1.679	0	%100
4	M72A	Z	2.908	2.908	0	%100
5	M73	Х	-4.303	-4.303	0	%100
6	M73	Z	7.453	7.453	0	%100
7	M74	Х	-4.303	-4.303	0	%100
8	M74	Z	7.453	7.453	0	%100
9	M75	Х	-7.881	-7.881	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,%]
10	M75	Z	13.65	13.65	0	%100
11	<u>M78</u>	X	-4.332	-4.332	0	%100
12	<u>M78</u>	Z	7.504	7.504	0	<u>%100</u>
13	<u>M79</u>	<u> </u>	003	003	0	<u>%100</u>
14	M79	Z	.005	.005	0	<u>%100</u>
15	<u>M84</u>	<u> </u>	-2.643	-2.643	0	<u>%100</u>
16	<u>M84</u>	Z	4.578	4.578	0	<u>%100</u>
1/	<u>M85</u>	X	0	0	0	<u>%100</u>
18	<u>M85</u>	<u> </u>	0	0	0	<u>%100</u>
19	<u>M87A</u>	X	0	0	0	<u>%100</u>
20	<u>M87A</u>	<u> </u>	0	0	0	<u>%100</u>
21	<u>M89A</u>	X	-2.643	-2.643	0	<u>%100</u>
22	<u>M89A</u>		4.578	4.578	0	<u>%100</u>
23	M90A	X 7	-8.027	-8.027	0	%100
24	N90A		13.903	13.903	0	%100
25	<u>M92</u>	X 7	-8.319	-8.319	0	%100
20			14.408	14.408	0	%100
21		X 7	-4.159	-4.159	0	%100 %100
20	MD2A		1.204	1.204	0	%100 %100
29	MD2A	<u> </u>	-4.139	-4.109	0	%100 %100
21	MD2A		1.204	1.204	0	%100 %100
22		∧ 7	-4.109	-4.109	0	0/100 0/100
22		Z V	1.204	1.204	0	<u> </u>
34		7	7 204	7 204	0	%100
35		X	3 /01	3 401	0	%100
36	OVP	7	5 801	5 801	0	%100
37	 M36	X	1 507	1 507	0	%100
38	M36	7	7 962	7 962	0	<u>%100</u>
30	M37	X	-1 679	-1 679	0	<u>%100</u>
40	M37	7	2 908	2 908	0	%100
40	M38	X	-4 303	-4 303	0	<u>%100</u> %100
42	M38	7	7 453	7 453	0	%100
43	M39	X	-4 303	-4 303	0	<u>%100</u> %100
44	M39	7	7 453	7 453	0	%100
45	M40	X	-7 881	-7 881	0	%100
46	M40	Z	13.65	13.65	0	%100
47	M43	X	003	003	0	%100
48	M43	Z	.005	.005	0	%100
49	M44	Х	-4.333	-4.333	0	%100
<u>5</u> 0	M44	Z	7.505	7.505	0	%100
51	M49	Х	-2.643	-2.643	0	%100
52	M49	Z	4.578	4.578	0	%100
53	M50	X	-8.027	-8.027	0	%100
54	M50	Z	13.903	13.903	0	%100
55	M52	Х	-8.319	-8.319	0	%100
56	M52	Z	14.408	14.408	0	%100
57	M54	Х	-2.643	-2.643	0	%100
58	M54	Z	4.578	4.578	0	%100
59	M55	X	0	0	0	%100
60	M55	Z	0	0	0	%100
61	M57	X	0	0	0	%100
62	M57	Z	0	0	0	%100
63	MP4C	X	-4.159	-4.159	0	%100
64	MP4C	Z	7.204	7.204	0	%100
65	MP1C	X	-4.159	-4.159	0	%100
66	MP1C	Z	7.204	7.204	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,%]
67	M69	Х	0	0	0	%100
68	M69	Z	0	0	0	%100
69	M70	Х	-6.715	-6.715	0	%100
70	M70	Z	11.631	11.631	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	0	0	0	%100
73	M72	Х	0	0	0	%100
74	M72	Z	0	0	0	%100
75	M73A	Х	0	0	0	%100
76	M73A	Z	0	0	0	%100
77	M76A	Х	-4.12	-4.12	0	%100
78	M76A	Z	7.135	7.135	0	%100
79	M77B	Х	-4.12	-4.12	0	%100
80	M77B	Z	7.136	7.136	0	%100
81	M82B	Х	-10.573	-10.573	0	%100
82	M82B	Z	18.312	18.312	0	%100
83	M83B	Х	-8.027	-8.027	0	%100
84	M83B	Z	13.903	13.903	0	%100
85	M85A	Х	-8.319	-8.319	0	%100
86	M85A	Z	14.408	14.408	0	%100
87	M87	Х	-10.573	-10.573	0	%100
88	M87	Z	18.312	18.312	0	%100
89	M88A	Х	-8.027	-8.027	0	%100
90	M88A	Z	13.903	13.903	0	%100
91	M90	Х	-8.319	-8.319	0	%100
92	M90	Z	14.408	14.408	0	%100
93	MP4B	Х	-4.159	-4.159	0	%100
94	MP4B	Z	7.204	7.204	0	%100
95	MP1B	Х	-4.159	-4.159	0	%100
96	MP1B	Z	7.204	7.204	0	%100
97	M102	Х	-4.597	-4.597	0	%100
98	M102	Z	7.962	7.962	0	%100
99	M107	Х	-4.597	-4.597	0	%100
100	M107	Z	7.962	7.962	0	%100
101	M111	Х	0	0	0	%100
102	M111	Z	0	0	0	%100
103	MP3C	Х	-4.159	-4.159	0	%100
104	MP3C	Z	7.204	7.204	0	%100
105	MP2C	Х	-4.159	-4.159	0	%100
106	MP2C	Z	7.204	7.204	0	%100
107	MP3B	Х	-4.159	-4.159	0	%100
108	MP3B	Z	7.204	7.204	0	%100
109	MP2B	Х	-4.159	-4.159	0	%100
110	MP2B	Z	7.204	7.204	0	%100
111	M123	Х	-5.048	-5.048	0	%100
112	M123	Z	8.743	8.743	0	%100
113	M124	Х	-5.048	-5.048	0	%100
114	M124	Z	8.743	8.743	0	%100
115	M125	Х	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	M20	Х	-2.654	-2.654	0	%100
2	M20	Z	1.532	1.532	0	%100
3	M72A	Х	-8.723	-8.723	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,%]
4	<u>M72A</u>	Z	5.037	5.037	0	%100
5	M73	X	-2.484	-2.484	0	%100
6	M73	Z	1.434	1.434	0	%100
7	M74	<u> </u>	-2.484	-2.484	0	<u>%100</u>
8	M74	Z	1.434	1.434	0	<u>%100</u>
9	<u>M75</u>	<u> </u>	-4.55	-4.55	0	<u>%100</u>
10	M75	Z	2.627	2.627	0	%100
11	M/8	X	-9.758	-9.758	0	<u>%100</u>
12	M/8	<u> </u>	5.634	5.634	0	<u>%100</u>
13	M79	<u> </u>	-2.259	-2.259	0	<u>%100</u>
14	M79	<u> </u>	1.304	1.304	0	<u>%100</u>
15	M84	<u> </u>	-13.734	-13.734	0	<u>%100</u>
16	M84	<u> </u>	7.929	7.929	0	<u>%100</u>
1/	M85	X	-4.634	-4.634	0	<u>%100</u>
18	M85	<u> </u>	2.676	2.676	0	<u>%100</u>
19	M87A	X	-4.803	-4.803	0	<u>%100</u>
20	<u>M87A</u>	<u> </u>	2.773	2.773	0	<u>%100</u>
21	M89A	X	-13.734	-13./34	0	%100
22	MOOA		1.929	7.929	0	%100
23	MODA	X 7	-18.53/	-18.53/	0	%100
24	M90A		10.702	10.702	0	%100
25	M92	X 7	-19.211	-19.211	0	%100
20			7 204	7 204	0	%100
21		7	-7.204	-7.204	0	%100
20			4.109	4.139	0	<u>%100</u>
29	IVIP3A	7	-7.204	-7.204	0	<u>%100</u>
30	MD2A		4.109	4.139	0	<u>%100</u>
22	MD2A	7	-7.204	-7.204	0	<u>%100</u>
22			4.109	4.109	0	<u> </u>
24		7	-1.204	-7.204	0	%100
35		X	5 801	5 801	0	%100
36		7	3 401	3 /01	0	%100
37	M36	X	_10.617	_10.617	0	<u>%100</u>
38	M36	7	6.13	6.13	0	%100
30	M37	X	0.10	0.10	0	<u>%100</u>
40	M37	7	0	0	0	%100
40	M38	X	_0 038	_0 038	0	<u>%100</u>
42	M38	7	5 738	5 738	0	%100
43	M39	X	-9,938	-9,938	0	%100
44	M39	7	5,738	5,738	0	%100
45	M40	X	-18.2	-18.2	0	%100
46	M40	Z	10.508	10.508	0	%100
47	M43	X	-2.627	-2.627	Ő	%100
48	M43	Z	1.517	1.517	0	%100
49	M44	X	-2.628	-2,628	0	%100
50	M44	Z	1,517	1.517	0	%100
51	M49	X	0	0	0	%100
52	M49	Z	0	0	0	%100
53	M50	Х	-4.634	-4.634	0	%100
54	M50	Z	2.676	2.676	0	%100
55	M52	X	-4.803	-4.803	0	%100
56	M52	Z	2.773	2.773	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	0	0	0	%100
59	M55	Х	-4.634	-4.634	0	%100
60	M55	Z	2.676	2.676	0	%100

Page 113

#### 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,%]
61	M57	X	-4.803	-4.803	0	%100
62	M57	<u> </u>	2.773	2.113	0	%100
63	MP4C	X	-7.204	-7.204	0	%100
64	MP4C	Z	4.159	4.159	0	%100
65	MP1C	<u> </u>	-7.204	-7.204	0	%100
66	MP1C	<u> </u>	4.159	4.159	0	%100
67	<u>M69</u>	<u> </u>	-2.654	-2.654	0	%100
68	<u>M69</u>	Z	1.532	1.532	0	%100
69	M70	X	-8.723	-8.723	0	%100
/0	M70	<u> </u>	5.037	5.037	0	%100
71	<u>M71</u>	<u> </u>	-2.484	-2.484	0	%100
72	M71	Z	1.434	1.434	0	%100
73	<u>M72</u>	<u> </u>	-2.484	-2.484	0	%100
74	M72	Z	1.434	1.434	0	%100
75	<u>M73A</u>	<u> </u>	-4.55	-4.55	0	%100
76	<u>M73A</u>	Z	2.627	2.627	0	%100
77	M76A	<u> </u>	-2.259	-2.259	0	%100
78	M76A	Z	1.304	1.304	0	%100
79	<u>M77B</u>	<u>X</u>	-9.759	-9.759	0	%100
80	M77B	Z	5.635	5.635	0	%100
81	M82B	X	-13.734	-13.734	0	%100
82	M82B	Z	7.929	7.929	0	%100
83	M83B	X	-18.537	-18.537	0	%100
84	M83B	Z	10.702	10.702	0	%100
85	M85A	X	-19.211	-19.211	0	%100
86	M85A	Z	11.092	11.092	0	%100
87	M87	X	-13.734	-13.734	0	%100
88	M87	Z	7.929	7.929	0	%100
89	M88A	X	-4.634	-4.634	0	%100
90	M88A	Z	2.676	2.676	0	%100
91	M90	X	-4.803	-4.803	0	%100
92	M90	Z	2.773	2.773	0	%100
93	MP4B	X	-7.204	-7.204	0	%100
94	MP4B	Z	4.159	4.159	0	%100
95	MP1B	X	-7.204	-7.204	0	%100
96	MP1B	Z	4.159	4.159	0	%100
97	M102	X	-2.654	-2.654	0	%100
98	M102	Z	1.532	1.532	0	%100
99	M107	X	-10.617	-10.617	0	%100
100	M107	Z	6.13	6.13	0	%100
101	M111	X	-2.654	-2.654	0	%100
102	M111	Z	1.532	1.532	0	%100
103	MP3C	X	-7.204	-7.204	0	%100
104	MP3C	Z	4.159	4.159	0	%100
105	MP2C	X	-7.204	-7.204	0	%100
106	MP2C	Z	4.159	4.159	0	%100
107	MP3B	X	-7.204	-7.204	0	%100
108	MP3B	Z	4.159	4.159	0	%100
109	MP2B	X	-7.204	-7.204	0	%100
110	MP2B	Z	4.159	4.159	0	%100
111	M123	X	-11.657	-11.657	0	%100
112	M123	Z	6.73	6.73	0	%100
113	M124	X	-2.914	-2.914	0	%100
114	M124	Z	1.683	1.683	0	%100
115	M125	X	-2.914	-2.914	0	%100
116	M125	Z	1.683	1.683	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	M20	Х	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M72A	Х	-13,431	-13,431	0	%100
4	M72A	Z	0	0	0	%100
5	M73	X	0	0	0	%100
6	M73	7	0	0	0	%100
7	M74	X	0	0	0	<u>%100</u>
0		7	0	0	0	%100
0	M75	× ×	0	0	0	%100
10	M75	7	0	0	0	<u> </u>
10	<u> </u>		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	<u> </u>
10	<u>IVI78</u>	<u> </u>	-8.239	-8.239	0	%100
12	M78		0	0	0	<u>%100</u>
13	M79	X	-8.24	-8.24	0	<u>%100</u>
14	M79	<u> </u>	0	0	0	<u>%100</u>
15	<u>M84</u>	<u>X</u>	-21.145	-21.145	0	<u>%100</u>
16	M84	Z	0	0	0	%100
17	M85	X	-16.053	-16.053	0	%100
18	M85	Z	0	0	0	%100
19	M87A	X	-16.637	-16.637	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	Х	-21.145	-21.145	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	Х	-16.053	-16.053	0	%100
24	M90A	Z	0	0	0	%100
25	M92	X	-16.637	-16.637	0	%100
26	M92	7	0	0	0	%100
27	MP4A	X	-8 319	-8.319	0	<u>%100</u> %100
28	MP4A	7	0.010	0.010	0	%100
20	MP3A	X	_8 319	_8 319	0	<u>%100</u> %100
20	MD3A	7	-0.515	-0.513	0	%100
31	MP2A	×	8 3 1 0	8 310	0	%100
22		7	-0.319	-0.319	0	<u> </u>
32			9.210	0 210	0	<u> </u>
33		7	-0.319	-0.319	0	%100
34			0	0	0	%100
35		X	-6.802	-6.802	0	<u>%100</u>
36	OVP	<u> </u>	0	0	0	<u>%100</u>
37	<u>M36</u>	<u> </u>	-9.194	-9.194	0	<u>%100</u>
38	M36	Z	0	0	0	<u>%100</u>
39	M37	X	-3.358	-3.358	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	-8.606	-8.606	0	%100
42	M38	Z	0	0	0	%100
43	M39	Х	-8.606	-8.606	0	%100
44	M39	Z	0	0	0	%100
45	M40	Х	-15.762	-15.762	0	%100
46	M40	Z	0	0	0	%100
47	M43	Х	-8.665	-8.665	0	%100
48	M43	Z	0	0	0	%100
49	M44	X	005	005	0	%100
50	M44	7	0	0	0	%100
51	M49	X	-5 286	-5 286	0	%100
52	MAQ	7	0.200	0	0	%100
52	M50	X	0	0	0	%100
54	M50	7	0	0	0	%100
55	M52	×	0	0	0	%100
55		∧ 7	0	0	0	0/100
50			E 000	E 000	0	0/ 100
<u> </u>	10134	Λ	-3.280	-5.280	U	% I UU

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Fix\Rev 0\RISA\468184-VZW\_MT\_LO\_H.r3d]

#### 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,%]
59         M55         X         -16.053         0         0         %100           60         M57         X         -16.637         0         %100           61         M57         X         -16.637         0         0         %100           62         M57         Z         0         0         0         %100           63         MP4C         X         -8.319         -8.319         0         %100           64         MP4C         Z         0         0         0         %100           66         MP1C         X         -8.319         -9.194         0         %100           66         M91C         Z         0         0         0         %100           68         M69         Z         0         0         0         %100           70         M70         X         -3.358         -3.358         0         %100           74         M71         X         -8.606         -8.606         0         %100           75         M73A         X         -15.762         -15.762         0         %100           76         M73A         X         -0.5	58	M54	Z	0	0	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	59	M55	Х	-16.053	-16.053	0	%100
61         M57         X         -16.637         -0         0         0         %100           62         M57         Z         0         0         0         %100           63         MP4C         X         -8.319         -8.319         0         %100           64         MP4C         X         -8.319         -8.319         0         %100           66         MP1C         X         -8.319         -8.319         0         %100           66         MP1C         Z         0         0         0         %100           68         M69         X         -9.194         -9.194         0         %100           70         M70         X         -3.358         -3.388         0         %100           71         M71         Z         0         0         0         %100         73           73         M72         Z         0         0         0         %100         74           74         M72         Z         0         0         0         %100         76           73         M73A         X         -15.762         0         %100         76         <	60	M55	Z	0	0	0	%100
62         M57         Z         0         0         0         %100           63         MP4C         X         -8.319         -8.319         0         %100           66         MP1C         Z         0         0         0         %100           66         MP1C         Z         0         0         0         %100           66         MP1C         Z         0         0         0         %100           68         M69         Z         0         0         0         %100           68         M69         Z         0         0         0         %100           70         M70         Z         0         0         0         %100           71         M71         Z         0         0         0         %100           73         M72         X         8.606         -8.606         0         %100           74         M72         Z         0         0         0         %100           76         M73A         Z         0         0         0         %100           76         M76A         Z         0         0         0 </td <td>61</td> <td>M57</td> <td>Х</td> <td>-16.637</td> <td>-16.637</td> <td>0</td> <td>%100</td>	61	M57	Х	-16.637	-16.637	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	62	M57	Z	0	0	0	%100
	63	MP4C	X	-8.319	-8,319	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	64	MP4C	7	0	0	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	65	MP1C	X	-8.319	-8.319	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	66	MP1C	7	0	0	0	%100
ast beta $bs b = 1$ $c = 1$ $c = 1$ $c = 1$ $s = 1$ s = 1 <td>67</td> <td>M69</td> <td>X</td> <td>-9 194</td> <td>-9 194</td> <td>0</td> <td>%100</td>	67	M69	X	-9 194	-9 194	0	%100
	68	M69	7	0	0	0	%100
	69	MZO	X	-3 358	-3 358	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	70	MZO	7	0	0.000	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	71	M70	X	-8 606	-8 606	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	72	M71	7	0.000	-0.000	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	73	M72	X	<u> </u>	8 606	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	73	M72	7	-0.000	-0.000	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	74	<u>IVI72</u>		15 762	15 762	0	<u> </u>
77         M76A         Z         0         0         0 $%$ 100           78         M76A         Z         0         0         0 $%$ 100           79         M77B         X $*8.666$ $*8.666$ 0 $%$ 100           80         M77B         Z         0         0         0 $%$ 100           81         M82B         Z         0         0         0 $%$ 100           82         M82B         Z         0         0         0 $%$ 100           83         M83B         Z         0         0         0 $%$ 100           84         M83B         Z         0         0         0 $%$ 100           85         M85A         X         -16.637         -16.637         0 $%$ 100           86         M87         Z         0         0         0 $%$ 100           88         M87         Z         0         0         0 $%$ 100           90         M8A         X         0         0         0 $%$ 100           91         M90         Z         0 <td>75</td> <td></td> <td>7</td> <td>-15.762</td> <td>-13.762</td> <td>0</td> <td>0/100</td>	75		7	-15.762	-13.762	0	0/100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	70	IVIT SA		005	005	0	0/ 100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	70		7	005	005	0	<u> </u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	70	IVI/6A		0	0.000	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	79	<u>IVI7B</u>	<u> </u>	-8.000	-8.000	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	80	M//B		0	0	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	81	M82B	X	-5.286	-5.286	0	%100
83         M83B         X         -16.053         -16.053         0 $\%100$ 84         M83B         Z         0         0         0         %100           85         M85A         X         -16.637         -16.637         0 $\%100$ 86         M85A         Z         0         0         0 $\%100$ 86         M87         X         -5.286         -5.266         0 $\%100$ 88         M87         Z         0         0         0 $\%100$ 89         M88A         X         0         0         0 $\%100$ 90         M88A         Z         0         0         0 $\%100$ 91         M90         X         0         0         0 $\%100$ 92         M90         Z         0         0         0 $\%100$ 93         MP4B         X         -8.319         -8.319         0 $\%100$ 94         MP4B         Z         0         0         0 $\%100$ 95         MP1B         Z	82	M82B	<u> </u>	0	0	0	%100
84         M836         Z         0         0         0         0         %100           85         M85A         X         -16.637         0         0         0         %100           86         M85A         Z         0         0         0         0         %100           87         M87         X         -5.286         -5.286         0         %100           88         M87         Z         0         0         0         %100           89         M88A         X         0         0         0         %100           90         M88A         Z         0         0         0         %100           91         M90         Z         0         0         0         %100           92         M90         Z         0         0         0         %100           93         MP4B         X         -8.319         -8.319         0         %100           94         MP4B         Z         0         0         0         %100           95         MP1B         X         -8.319         -8.319         0         %100           97         M102<	83	M83B	X	-16.053	-16.053	0	%100
85         M85A         X $-16.537$ $-16.537$ 0 $\%100$ 86         M87         X $-5.286$ $-5.286$ 0 $\%100$ 87         M87         X $-5.286$ $-5.286$ 0 $\%100$ 88         M87         Z         0         0         0 $\%100$ 89         M88A         X         0         0         0 $\%100$ 90         M88A         Z         0         0         0 $\%100$ 91         M90         X         0         0         0 $\%100$ 92         M90         Z         0         0         0 $\%100$ 93         MP4B         X $-8.319$ $-8.319$ 0 $\%100$ 93         MP1B         Z         0         0         0         0 $\%100$ 94         MP4B         Z         0         0         0 $\%100$ 96         MP1B         Z         0         0         0 $\%100$ 97 <t< td=""><td>84</td><td>M83B</td><td><u> </u></td><td>0</td><td>0</td><td>0</td><td><u>%100</u></td></t<>	84	M83B	<u> </u>	0	0	0	<u>%100</u>
86         M85A         Z         0         0         0         %100           87         M87         X         -5.286         0         %100           88         M87         Z         0         0         0         %100           89         M88A         X         0         0         0         %100           90         M88A         Z         0         0         0         %100           91         M90         X         0         0         0         %100           92         M90         Z         0         0         0         %100           93         MP4B         X         -8.319         -8.319         0         %100           94         MP4B         Z         0         0         0         %100           95         MP1B         Z         0         0         0         %100           96         MP1B         Z         0         0         0         %100           99         M102         X         0         0         0         %100           100         M107         Z         0         0         0         %	85	<u>M85A</u>	X	-16.637	-16.637	0	%100
87         M87         X         -5.286         0         %100           88         M87         Z         0         0         0         %100           90         M88A         X         0         0         0         %100           90         M88A         Z         0         0         0         %100           91         M90         X         0         0         0         %100           92         M90         Z         0         0         0         %100           93         MP4B         X <t-8.319< td="">         -8.319         0         %100           94         MP4B         Z         0         0         0         %100           95         MP1B         X         -8.319         -8.319         0         %100           96         MP1B         Z         0         0         0         %100           97         M102         X         0         0         0         %100           98         M102         Z         0         0         %100         %100           100         M107         Z         0         0         %100</t-8.319<>	86	M85A	<u> </u>	0	0	0	<u>%100</u>
88         M87         Z         0         0         0         %100           89         M88A         X         0         0         0         %100           90         M88A         Z         0         0         0         %100           91         M90         X         0         0         0         %100           92         M90         Z         0         0         0         %100           93         MP4B         X         -8.319         -8.319         0         %100           94         MP4B         Z         0         0         0         %100           95         MP1B         X         -8.319         -8.319         0         %100           96         MP1B         Z         0         0         0         %100           98         M102         Z         0         0         0         %100           99         M107         X         -9.194         -9.194         0         %100           100         M107         Z         0         0         0         %100           102         M111         Z         0         0 </td <td>87</td> <td><u>M87</u></td> <td>X</td> <td>-5.286</td> <td>-5.286</td> <td>0</td> <td><u>%100</u></td>	87	<u>M87</u>	X	-5.286	-5.286	0	<u>%100</u>
89         M88A         X         0         0         0         0         %100           90         M88A         Z         0         0         0         %100           91         M90         X         0         0         0         %100           92         M90         Z         0         0         0         %100           93         MP4B         X         -8.319         -8.319         0         %100           94         MP4B         Z         0         0         0         %100           95         MP1B         X         -8.319         -8.319         0         %100           96         MP1B         Z         0         0         0         %100           97         M102         X         0         0         0         %100           98         M102         Z         0         0         0         %100           99         M107         X         -9.194         -9.194         0         %100           100         M111         Z         0         0         0         %100           103         MP3C         Z         0 <td>88</td> <td><u>M87</u></td> <td><u> </u></td> <td>0</td> <td>0</td> <td>0</td> <td><u>%100</u></td>	88	<u>M87</u>	<u> </u>	0	0	0	<u>%100</u>
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	89	<u>M88A</u>	<u> </u>	0	0	0	<u>%100</u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	90	<u>M88A</u>	<u> </u>	0	0	0	<u>%100</u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	91	<u>M90</u>	<u> </u>	0	0	0	<u>%100</u>
93         MP4B         X         -8.319         -8.319         0         %100           94         MP4B         Z         0         0         0         %100           95         MP1B         X         -8.319         -8.319         0         %100           96         MP1B         Z         0         0         0         %100           97         M102         X         0         0         0         %100           98         M102         Z         0         0         0         %100           99         M107         X         -9.194         -9.194         0         %100           100         M107         Z         0         0         0         %100           101         M111         X         -9.194         -9.194         0         %100           102         M111         Z         0         0         0         %100           103         MP3C         X         -8.319         -8.319         0         %100           104         MP3C         Z         0         0         0         %100           105         MP2C         Z <t< td=""><td>92</td><td>M90</td><td>Z</td><td>0</td><td>0</td><td>0</td><td>%100</td></t<>	92	M90	Z	0	0	0	%100
94         MP4B         Z         0         0         0         %100           95         MP1B         X         -8.319         0         %100           96         MP1B         Z         0         0         0         %100           97         M102         X         0         0         0         %100           98         M102         Z         0         0         0         %100           99         M107         X         -9.194         -9.194         0         %100           100         M107         Z         0         0         0         %100           101         M111         X         -9.194         -9.194         0         %100           102         M111         Z         0         0         0         %100           103         MP3C         X         -8.319         -8.319         0         %100           104         MP3C         Z         0         0         0         %100           105         MP2C         Z         0         0         0         %100           106         MP2C         Z         0         0	93	MP4B	<u> </u>	-8.319	-8.319	0	<u>%100</u>
95         MP1B         X         -8.319         -8.319         0         %100           96         MP1B         Z         0         0         0         %100           97         M102         X         0         0         0         %100           98         M102         Z         0         0         0         %100           99         M107         X         -9.194         -9.194         0         %100           100         M107         Z         0         0         0         %100           101         M111         X         -9.194         -9.194         0         %100           102         M111         Z         0         0         0         %100           103         MP3C         X         -8.319         -8.319         0         %100           104         MP3C         Z         0         0         0         %100           105         MP2C         Z         0         0         %100           106         MP2C         Z         0         0         %100           106         MP2C         Z         0         0         %100 </td <td>94</td> <td>MP4B</td> <td>Z</td> <td>0</td> <td>0</td> <td>0</td> <td>%100</td>	94	MP4B	Z	0	0	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	95	MP1B	<u> </u>	-8.319	-8.319	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	96	MP1B	Z	0	0	0	%100
98         M102         Z         0         0         0         %100           99         M107         X         -9.194         -9.194         0         %100           100         M107         Z         0         0         0         %100           101         M111         X         -9.194         -9.194         0         %100           102         M111         Z         0         0         0         %100           103         MP3C         X         -8.319         -8.319         0         %100           104         MP3C         Z         0         0         0         %100           105         MP2C         X         -8.319         -8.319         0         %100           106         MP2C         Z         0         0         0         %100           107         MP3B         X         -8.319         -8.319         0         %100           108         MP3B         Z         0         0         0         %100           109         MP2B         Z         0         0         %100         110           110         MP2B         Z	97	<u>M102</u>	X	0	0	0	%100
99         M107         X         -9.194         -9.194         0         %100           100         M107         Z         0         0         0         %100           101         M111         X         -9.194         -9.194         0         %100           102         M111         Z         0         0         0         %100           102         M111         Z         0         0         0         %100           103         MP3C         X         -8.319         -8.319         0         %100           104         MP3C         Z         0         0         0         %100           105         MP2C         X         -8.319         -8.319         0         %100           106         MP2C         Z         0         0         0         %100           107         MP3B         X         -8.319         -8.319         0         %100           108         MP3B         Z         0         0         0         %100           109         MP2B         Z         0         0         %100         %100           110         MP2B         Z	98	M102	Z	0	0	0	%100
100         M107         Z         0         0         %100           101         M111         X         -9.194         -9.194         0         %100           102         M111         Z         0         0         0         %100           102         M111         Z         0         0         0         %100           103         MP3C         X         -8.319         -8.319         0         %100           104         MP3C         Z         0         0         0         %100           105         MP2C         X         -8.319         -8.319         0         %100           106         MP2C         Z         0         0         0         %100           107         MP3B         X         -8.319         -8.319         0         %100           108         MP3B         Z         0         0         0         %100           109         MP2B         Z         0         0         %100           110         MP2B         Z         0         0         %100           111         M123         Z         0         0         %100	99	M107	X	-9.194	-9.194	0	<u>%100</u>
101         M111         X         -9.194         -9.194         0         %100           102         M111         Z         0         0         0         %100           103         MP3C         X         -8.319         -8.319         0         %100           104         MP3C         Z         0         0         0         %100           104         MP3C         Z         0         0         0         %100           105         MP2C         X         -8.319         -8.319         0         %100           106         MP2C         Z         0         0         0         %100           106         MP2C         Z         0         0         %100           107         MP3B         X         -8.319         -8.319         0         %100           108         MP3B         Z         0         0         %100         100         100           109         MP2B         Z         0         0         %100         110         110         110         110         110         110         110         110         110         110         110         110         110 </td <td>100</td> <td>M107</td> <td>Z</td> <td>0</td> <td>0</td> <td>0</td> <td>%100</td>	100	M107	Z	0	0	0	%100
102         M111         Z         0         0         %100           103         MP3C         X         -8.319         -8.319         0         %100           104         MP3C         Z         0         0         0         %100           104         MP3C         Z         0         0         0         %100           105         MP2C         X         -8.319         -8.319         0         %100           106         MP2C         Z         0         0         0         %100           106         MP2C         Z         0         0         %100           107         MP3B         X         -8.319         -8.319         0         %100           108         MP3B         Z         0         0         0         %100           109         MP2B         Z         0         0         %100           110         MP2B         Z         0         0         %100           111         M123         X         -10.096         -10.096         0         %100           113         M124         X         0         0         0         %100 <td>101</td> <td>M111</td> <td>Х</td> <td>-9.194</td> <td>-9.194</td> <td>0</td> <td>%100</td>	101	M111	Х	-9.194	-9.194	0	%100
103         MP3C         X         -8.319         -8.319         0         %100           104         MP3C         Z         0         0         0         %100           105         MP2C         X         -8.319         -8.319         0         %100           106         MP2C         Z         0         0         0         %100           106         MP2C         Z         0         0         0         %100           107         MP3B         X         -8.319         -8.319         0         %100           108         MP3B         Z         0         0         0         %100           109         MP2B         Z         0         0         %100           110         MP2B         Z         0         0         %100           111         M123         X         -10.096         -10.096         0         %100           112         M123         Z         0         0         %100         113         %100           114         M124         Z         0         0         0         %100	102	M111	Z	0	0	0	%100
104         MP3C         Z         0         0         %100           105         MP2C         X         -8.319         -8.319         0         %100           106         MP2C         Z         0         0         0         %100           106         MP2C         Z         0         0         0         %100           107         MP3B         X         -8.319         -8.319         0         %100           108         MP3B         Z         0         0         0         %100           109         MP2B         X         -8.319         -8.319         0         %100           110         MP2B         Z         0         0         0         %100           111         M123         X         -10.096         -10.096         0         %100           112         M123         Z         0         0         0         %100           113         M124         X         0         0         %100         %100	103	MP3C	X	-8.319	-8.319	0	<u> </u>
105         MP2C         X         -8.319         -8.319         0         %100           106         MP2C         Z         0         0         0         %100           107         MP3B         X         -8.319         -8.319         0         %100           108         MP3B         Z         0         0         0         %100           109         MP2B         X         -8.319         -8.319         0         %100           110         MP2B         Z         0         0         0         %100           111         M123         X         -10.096         -10.096         0         %100           112         M123         Z         0         0         %100         113         M124         X         0         0         %100           114         M124         Z         0         0         %100	104	MP3C	Z	0	0	0	%100
106         MP2C         Z         0         0         %100           107         MP3B         X         -8.319         -8.319         0         %100           108         MP3B         Z         0         0         0         %100           109         MP2B         X         -8.319         -8.319         0         %100           110         MP2B         Z         0         0         0         %100           111         M123         X         -10.096         -10.096         0         %100           112         M123         Z         0         0         0         %100           113         M124         X         0         0         %100           114         M124         Z         0         0         %100	105	MP2C	X	-8.319	-8.319	0	%100
107         MP3B         X         -8.319         -8.319         0         %100           108         MP3B         Z         0         0         0         %100           109         MP2B         X         -8.319         -8.319         0         %100           110         MP2B         Z         0         0         0         %100           111         M123         X         -10.096         -10.096         0         %100           112         M123         Z         0         0         %100           113         M124         X         0         0         %100           114         M124         Z         0         0         %100	106	MP2C	Z	0	0	0	%100
108         MP3B         Z         0         0         %100           109         MP2B         X         -8.319         -8.319         0         %100           110         MP2B         Z         0         0         0         %100           111         M123         X         -10.096         -10.096         0         %100           112         M123         Z         0         0         0         %100           113         M124         X         0         0         %100           114         M124         Z         0         0         %100	107	MP3B	Х	-8.319	-8.319	0	%100
109         MP2B         X         -8.319         -8.319         0         %100           110         MP2B         Z         0         0         0         %100           111         M123         X         -10.096         -10.096         0         %100           112         M123         Z         0         0         0         %100           113         M124         X         0         0         %100           114         M124         Z         0         0         %100	108	MP3B	Z	0	0	0	%100
110         MP2B         Z         0         0         %100           111         M123         X         -10.096         -10.096         0         %100           112         M123         Z         0         0         0         %100           113         M124         X         0         0         %100           114         M124         Z         0         0         %100	109	MP2B	X	-8.319	-8.319	0	%100
111         M123         X         -10.096         -10.096         0         %100           112         M123         Z         0         0         0         %100           113         M124         X         0         0         %100           114         M124         Z         0         0         %100	110	MP2B	Z	0	0	0	%100
112         M123         Z         0         0         0         %100           113         M124         X         0         0         %100         %100           114         M124         Z         0         0         %100         %100	111	M123	Х	-10.096	-10.096	0	%100
113         M124         X         0         0         0         %100           114         M124         Z         0         0         0         %100	112	M123	Z	0	0	0	%100
114 M124 Z 0 0 0 %100	113	M124	Х	0	0	0	%100
	114	M124	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,%]
115	M125	Х	-10.096	-10.096	0	%100
116	M125	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	M20	Х	-2.654	-2.654	0	%100
2	M20	Z	-1.532	-1.532	0	%100
3	M72A	Х	-8,723	-8.723	0	%100
4	M72A	Z	-5.037	-5.037	0	%100
5	M73	X	-2 484	-2 484	0	%100
6	M73	7	-1 434	-1 434	0	%100
7	M74	X	-2 484	-2 484	0	<u>%100</u> %100
8	M74	7	_1 434	_1 434	0	%100
9	M75	X	_1.55	_1.55	0	%100
10	M75	7	2 627	2 627	0	%100
11	M79	×	2.021	2.021	0	%100
12	M79	7	-2.239	-2.239	0	%100
12	M70		-1.304	-1.304	0	<u> </u>
13	N79	~ 7	-9.739	-9.759	0	<u> </u>
14	N179		-0.030	-0.030	0	%100
15	N84	X	-13.734	-13.734	0	%100
16	M84		-7.929	-7.929	0	<u>%100</u>
17	M85	X	-18.537	-18.537	0	<u>%100</u>
18	M85	<u> </u>	-10.702	-10.702	0	<u>%100</u>
19	<u>M87A</u>	X	-19.211	-19.211	0	%100
20	M87A	Z	-11.092	-11.092	0	%100
21	M89A	X	-13.734	-13.734	0	<u>%100</u>
22	M89A	Z	-7.929	-7.929	0	%100
23	M90A	X	-4.634	-4.634	0	<u>%100</u>
24	M90A	Z	-2.676	-2.676	0	%100
25	M92	Х	-4.803	-4.803	0	%100
26	M92	Z	-2.773	-2.773	0	%100
27	MP4A	X	-7.204	-7.204	0	%100
28	MP4A	Z	-4.159	-4.159	0	%100
29	MP3A	Х	-7.204	-7.204	0	%100
30	MP3A	Z	-4.159	-4.159	0	%100
31	MP2A	Х	-7.204	-7.204	0	%100
32	MP2A	Z	-4.159	-4.159	0	%100
33	MP1A	Х	-7.204	-7.204	0	%100
34	MP1A	Z	-4.159	-4.159	0	%100
35	OVP	Х	-5.891	-5.891	0	%100
36	OVP	Z	-3.401	-3.401	0	%100
37	M36	X	-2.654	-2.654	0	%100
38	M36	7	-1 532	-1 532	0	%100
39	M37	X	-8,723	-8,723	0	%100
40	M37	7	-5.037	-5.037	0	%100
41	M38	X	-2 484	-2 484	0	<u>%100</u>
42	M38	7	-1 434	-1 434	0	%100
13	M39	X	_2 /8/	_2 /8/	0	<u>%100</u> %100
43	M39	7	1 / 3/	1 /3/	0	%100
44	MAO		-1.434	-1.404	0	%100
40	N/40	~ 7	-4.00	-4.00	0	0/100
40	IVI40		-2.021	-2.021	0	%100
41	N/43	∧ 7	-9.700	-9.700	0	0/100
40	IVI43		-0.004	-0.004	0	0/100
49			-2.209	-2.209	0	%100
50	IVI44		-1.304	-1.304	0	%100
51	IVI49	X	-13./34	-13.734	U	%100

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

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	6100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<u>6100</u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<u>6100</u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<u>6100</u>
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	6100
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	<u>6100</u>
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	6100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	<u>6100</u>
61         M57         X         -19.211         -19.211         0         9           62         M57         Z         -11.092         -11.092         0         9           63         MP4C         X         -7.204         -7.204         0         9           64         MP4C         Z         -4.159         -4.159         0         9           65         MP1C         X         -7.204         -7.204         0         9           66         MP1C         Z         -4.159         -4.159         0         9           66         MP1C         Z         -4.159         -4.159         0         9           67         M69         X         -10.617         0         9         9           68         M69         Z         -6.13         -6.13         0         9           70         M70         Z         0         0         0         9           71         M71         X         -9.938         -9.938         0         9           72         M71         Z         -5.738         -5.738         0         9           73         M72         X	6100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	<u>6100</u>
63         MP4C         X         -7.204         -7.204         0         9           64         MP4C         Z         -4.159         -4.159         0         9           65         MP1C         X         -7.204         -7.204         0         9           66         MP1C         Z         -4.159         -4.159         0         9           67         M69         X         -10.617         -10.617         0         9           68         M69         Z         -6.13         -6.13         0         9           69         M70         X         0         0         0         9           70         M70         Z         0         0         9         9           71         M71         X         -9.938         -9.938         0         9           73         M72         X         -9.938         -5.738         0         9           74         M72         Z         -5.738         -5.738         0         9           75         M73A         X         -18.2         0         9         9           76         M73A         Z         -10	6100
64         MP4C         Z         -4.159         -4.159         0         9           65         MP1C         X         -7.204         -7.204         0         9           66         MP1C         Z         -4.159         -4.159         0         9           67         M69         X         -10.617         -10.617         0         9           68         M69         Z         -6.13         -6.13         0         9           69         M70         X         0         0         0         9           70         M70         Z         0         0         9         9           71         M71         X         -9.938         -9.938         0         9           73         M72         X         -9.938         -5.738         0         9           74         M72         Z         -5.738         -5.738         0         9           75         M73A         X         -18.2         0         9         9           76         M73A         Z         -10.508         -10.508         0         9	<u>6100</u>
65         MP1C         X         -7.204         -7.204         0         9           66         MP1C         Z         -4.159         -4.159         0         9           67         M69         X         -10.617         -10.617         0         9           68         M69         Z         -6.13         -6.13         0         9           69         M70         X         0         0         0         9           70         M70         Z         0         0         9         9           71         M71         X         -9.938         -9.938         0         9           73         M72         X         -9.938         -5.738         0         9           74         M72         Z         -5.738         -5.738         0         9           75         M73A         X         -18.2         0         9         9           76         M73A         Z         -10.508         -10.508         0         9	6100
66         MP1C         Z         -4.159         -4.159         0         9           67         M69         X         -10.617         -10.617         0         9           68         M69         Z         -6.13         -6.13         0         9           69         M70         X         0         0         0         9           70         M70         Z         0         0         0         9           71         M71         X         -9.938         -9.938         0         9           72         M71         Z         -5.738         -5.738         0         9           73         M72         X         -9.938         -9.938         0         9           74         M72         Z         -5.738         -5.738         0         9           75         M73A         X         -18.2         0         9         9           76         M73A         Z         -10.508         -10.508         0         9	<u>6100</u>
67         M69         X         -10.617         -10.617         0         9           68         M69         Z         -6.13         -6.13         0         9           69         M70         X         0         0         0         9           70         M70         Z         0         0         0         9           71         M71         X         -9.938         -9.938         0         9           72         M71         Z         -5.738         -5.738         0         9           73         M72         X         -9.938         -9.938         0         9           74         M72         Z         -5.738         0         9           75         M73A         X         -18.2         0         9           76         M73A         Z         -10.508         -10.508         0	6100
68         M69         Z         -6.13         0         9           69         M70         X         0         0         0         9           70         M70         Z         0         0         0         9           71         M71         X         -9.938         -9.938         0         9           72         M71         Z         -5.738         -5.738         0         9           73         M72         X         -9.938         -9.938         0         9           74         M72         Z         -5.738         -5.738         0         9           75         M73A         X         -18.2         -18.2         0         9           76         M73A         Z         -10.508         -10.508         0         9	<u>6100</u>
69         M70         X         0         0         0         9           70         M70         Z         0         0         0         9           71         M71         X         -9.938         -9.938         0         9           72         M71         Z         -5.738         -5.738         0         9           73         M72         X         -9.938         -9.938         0         9           74         M72         Z         -5.738         -5.738         0         9           75         M73A         X         -18.2         -18.2         0         9           76         M73A         Z         -10.508         -10.508         0         9	6100
70         M70         Z         0         0         9           71         M71         X         -9.938         -9.938         0         9           72         M71         Z         -5.738         -5.738         0         9           73         M72         X         -9.938         -9.938         0         9           74         M72         Z         -5.738         -5.738         0         9           75         M73A         X         -18.2         -18.2         0         9           76         M73A         Z         -10.508         -10.508         0         9	<u>6100</u>
71         M71         X         -9.938         -9.938         0         9           72         M71         Z         -5.738         -5.738         0         9           73         M72         X         -9.938         -9.938         0         9           74         M72         Z         -5.738         -5.738         0         9           75         M73A         X         -18.2         0         9           76         M73A         Z         -10.508         -10.508         0	6100
72         M71         Z         -5.738         -5.738         0         9           73         M72         X         -9.938         -9.938         0         9           74         M72         Z         -5.738         -5.738         0         9           75         M73A         X         -18.2         -18.2         0         9           76         M73A         Z         -10.508         -10.508         0         9	<u>6100</u>
73         M72         X         -9.938         -9.938         0         9           74         M72         Z         -5.738         -5.738         0         9           75         M73A         X         -18.2         -18.2         0         9           76         M73A         Z         -10.508         -10.508         0         9	<u>6100</u>
74         M72         Z         -5.738         -5.738         0         9           75         M73A         X         -18.2         -18.2         0         9           76         M73A         Z         -10.508         -10.508         0         9	<u>6100</u>
75         M73A         X         -18.2         -18.2         0         9           76         M73A         Z         -10.508         -10.508         0         9	<u>6100</u>
76 M73A Z -10.508 -10.508 0 9	<u>6100</u>
	<u>6100</u>
77 M76A X -2.627 -2.627 0 9	<u>6100</u>
78 M76A Z -1.517 -1.517 0 9	<u>6100</u>
79 M77B X -2.628 -2.628 0 9	<u>6100</u>
80 M77B Z -1.517 -1.517 0 9	6100
81 M82B X 0 0 0 9	<u>6100</u>
82 M82B Z 0 0 0 9	6100
83 M83B X -4.634 0 9	<u>6100</u>
84 M83B Z -2.676 -2.676 0 9	6100
85 M85A X -4.803 -4.803 0 9	<u>6100</u>
86 M85A Z -2.773 -2.773 0 9	6100
87 M87 X 0 0 0 9	<u>6100</u>
88 M87 Z 0 0 0 9	6100
89 M88A X -4.634 -4.634 0 9	<u>6100</u>
90 M88A Z -2.676 -2.676 0 9	6100
91 M90 X -4.803 -4.803 0 9	<u>6100</u>
92 M90 Z -2.773 -2.773 0 9	6100
93 MP4B X -7.204 -7.204 0 9	<u>6100</u>
94 MP4B Z -4.159 -4.159 0 9	6100
95 MP1B X -7.204 -7.204 0 9	<u>6100</u>
96 MP1B Z -4.159 0 9	6100
97 M102 X -2.654 -2.654 0 9	<u>6100</u>
98 M102 Z -1.532 -1.532 0 9	6100
99 M107 X -2.654 -2.654 0 9	<u>6100</u>
100 M107 Z -1.532 -1.532 0 9	6100
101 M111 X -10.617 0 9	<u>6100</u>
102 M111 Z -6.13 0 9	6100
103 MP3C X -7.204 -7.204 0 9	6100
104 MP3C Z -4.159 0 9	6100
105 MP2C X -7.204 -7.204 0 9	6100
106 MP2C Z -4.159 0 9	6100
107 MP3B X -7.204 -7.204 0 9	
108 MP3B Z -4.159 0 9	<u>6100</u>

#### 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,%]
109	MP2B	Х	-7.204	-7.204	0	%100
110	MP2B	Z	-4.159	-4.159	0	%100
111	M123	Х	-2.914	-2.914	0	%100
112	M123	Z	-1.683	-1.683	0	%100
113	M124	Х	-2.914	-2.914	0	%100
114	M124	Z	-1.683	-1.683	0	%100
115	M125	Х	-11.657	-11.657	0	%100
116	M125	Z	-6.73	-6.73	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	M20	X	-4.597	-4.597	0	%100
2	M20	Z	-7.962	-7.962	0	%100
3	M72A	X	-1.679	-1.679	0	%100
4	M72A	Z	-2.908	-2.908	0	%100
5	M73	X	-4.303	-4.303	0	%100
6	M73	Z	-7.453	-7.453	0	%100
7	M74	Х	-4.303	-4.303	0	%100
8	M74	Z	-7.453	-7.453	0	%100
9	M75	Х	-7.881	-7.881	0	%100
10	M75	Z	-13.65	-13.65	0	%100
11	M78	Х	003	003	0	%100
12	M78	Z	005	005	0	%100
13	M79	Х	-4.333	-4.333	0	%100
14	M79	Z	-7.505	-7.505	0	%100
15	M84	Х	-2.643	-2.643	0	%100
16	M84	Z	-4.578	-4.578	0	%100
17	M85	Х	-8.027	-8.027	0	%100
18	M85	Z	-13.903	-13.903	0	%100
19	M87A	X	-8.319	-8.319	0	%100
20	M87A	Z	-14.408	-14.408	0	%100
21	M89A	X	-2.643	-2.643	0	%100
22	M89A	Z	-4.578	-4.578	0	%100
23	M90A	X	0	0	0	%100
24	M90A	Z	0	0	0	%100
25	M92	X	0	0	0	%100
26	M92	Z	0	0	0	%100
27	MP4A	X	-4.159	-4.159	0	%100
28	MP4A	Z	-7.204	-7.204	0	%100
29	MP3A	X	-4.159	-4.159	0	%100
30	MP3A	Z	-7.204	-7.204	0	%100
31	MP2A	X	-4.159	-4.159	0	%100
32	MP2A	Z	-7.204	-7.204	0	%100
33	MP1A	X	-4.159	-4.159	0	%100
34	MP1A	Z	-7.204	-7.204	0	%100
35	OVP	X	-3.401	-3.401	0	%100
36	OVP	Z	-5.891	-5.891	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-6.715	-6.715	0	%100
40	M37	Z	-11.631	-11.631	0	%100
41	M38	<u> </u>	0	0	0	%100
42	M38	Z	0	0	0	%100
43	M39	<u> </u>	0	0	0	%100
44	M39	Z	0	0	0	%100
45	M40	X	0	0	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,%]
46	M40	Z	0	0	0	%100
47	M43	X	-4.12	-4.12	0	%100
48	M43	Z	-7.135	-7.135	0	%100
49	M44	X	-4.12	-4.12	0	%100
50	M44	Z	-7.136	-7.136	0	%100
51	M49	X	-10.573	-10.573	0	%100
52	M49	Z	-18.312	-18.312	0	%100
53	M50	Х	-8.027	-8.027	0	%100
54	M50	Z	-13.903	-13.903	0	%100
55	M52	X	-8.319	-8.319	0	%100
56	M52	Z	-14.408	-14.408	0	%100
57	M54	X	-10.573	-10.573	0	%100
58	M54	Z	-18.312	-18.312	0	%100
59	M55	X	-8.027	-8.027	0	%100
60	M55	Z	-13.903	-13.903	0	%100
61	M57	Х	-8.319	-8.319	0	%100
62	M57	Z	-14.408	-14.408	0	%100
63	MP4C	X	-4.159	-4.159	0	%100
64	MP4C	Z	-7.204	-7.204	0	%100
65	MP1C	X	-4.159	-4.159	0	%100
66	MP1C	Z	-7.204	-7.204	0	%100
67	M69	Х	-4.597	-4.597	0	%100
68	M69	Z	-7.962	-7.962	0	%100
69	M70	X	-1.679	-1.679	0	%100
70	M70	Z	-2.908	-2.908	0	%100
71	M71	X	-4.303	-4.303	0	%100
72	M71	Z	-7.453	-7.453	0	%100
73	M72	X	-4.303	-4.303	0	%100
74	M72	Z	-7.453	-7.453	0	%100
75	M73A	X	-7.881	-7.881	0	%100
76	M73A	Z	-13.65	-13.65	0	%100
77	M76A	Х	-4.332	-4.332	0	%100
78	M76A	Z	-7.504	-7.504	0	%100
79	M77B	X	003	003	0	%100
80	M77B	Z	005	005	0	%100
81	M82B	X X	-2.643	-2.643	0	%100
82	M82B	Z	-4.578	-4.578	0	%100
83	M83B	X	0	0	0	%100
84	M83B	Z	0	0	0	%100
85	M85A	X	0	0	0	%100
86	M85A	Z	0	0	0	%100
87	M87	X	-2.643	-2.643	0	%100
88	M87	Z	-4.578	-4.578	0	%100
89	M88A	X	-8.027	-8.027	0	%100
90	M88A	Z	-13.903	-13.903	0	%100
91	M90	X	-8.319	-8.319	0	%100
92	M90	Z	-14.408	-14.408	0	%100
93	MP4B	Х	-4.159	-4.159	0	%100
94	MP4B	Z	-7.204	-7.204	0	%100
95	MP1B	X	-4.159	-4.159	0	%100
96	MP1B	Z	-7.204	-7.204	0	%100
97	M102	X	-4.597	-4.597	0	%100
98	M102	Z	-7.962	-7.962	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M111	X	-4.597	-4.597	0	%100
102	M111	Z	-7.962	-7.962	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Fix\Rev 0\RISA\468184-VZW\_MT\_LO\_H.r3d]

#### 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,%]
103	MP3C	Х	-4.159	-4.159	0	%100
104	MP3C	Z	-7.204	-7.204	0	%100
105	MP2C	Х	-4.159	-4.159	0	%100
106	MP2C	Z	-7.204	-7.204	0	%100
107	MP3B	Х	-4.159	-4.159	0	%100
108	MP3B	Z	-7.204	-7.204	0	%100
109	MP2B	Х	-4.159	-4.159	0	%100
110	MP2B	Z	-7.204	-7.204	0	%100
111	M123	Х	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	Х	-5.048	-5.048	0	%100
114	M124	Z	-8.743	-8.743	0	%100
115	M125	Х	-5.048	-5.048	0	%100
116	M125	Z	-8.743	-8.743	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	M20	Х	0	0	0	%100
2	M20	Z	-3.352	-3.352	0	%100
3	M72A	Х	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M73	Х	0	0	0	%100
6	M73	Z	-2.918	-2.918	0	%100
7	M74	Х	0	0	0	%100
8	M74	Z	-2.918	-2.918	0	%100
9	M75	Х	0	0	0	%100
10	M75	Z	-4.326	-4.326	0	%100
11	M78	Х	0	0	0	%100
12	M78	Z	825	825	0	%100
13	M79	Х	0	0	0	%100
14	M79	Z	825	825	0	%100
15	M84	Х	0	0	0	%100
16	M84	Z	0	0	0	%100
17	M85	Х	0	0	0	%100
18	M85	Z	-1.078	-1.078	0	%100
19	M87A	Х	0	0	0	%100
20	M87A	Z	-1.11	-1.11	0	%100
21	M89A	Х	0	0	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	Х	0	0	0	%100
24	M90A	Z	-1.078	-1.078	0	%100
25	M92	Х	0	0	0	%100
26	M92	Z	-1.11	-1.11	0	%100
27	MP4A	Х	0	0	0	%100
28	MP4A	Z	-2.701	-2.701	0	%100
29	MP3A	Х	0	0	0	%100
30	MP3A	Z	-2.701	-2.701	0	%100
31	MP2A	Х	0	0	0	%100
32	MP2A	Z	-2.701	-2.701	0	%100
33	MP1A	Х	0	0	0	%100
34	MP1A	Z	-2.701	-2.701	0	%100
35	OVP	Х	0	0	0	%100
36	OVP	Z	-2.222	-2.222	0	%100
37	M36	Х	0	0	0	%100
38	M36	Z	838	838	0	%100
39	M37	Х	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,%]
40	M37	Z	-2.66	-2.66	0	%100
41	M38	Х	0	0	0	%100
42	M38	Z	73	73	0	%100
43	M39	Х	0	0	0	%100
44	M39	Z	73	73	0	%100
45	M40	X	0	0	0	%100
46	M40	7	-1 081	-1 081	0	%100
47	M43	X	0	0	0	%100
48	M43	7	- 71	- 71	0	%100
49	M44	X	0	0	0	%100
50	M44	7	-3.066	-3.066	0	%100
51	M49	X	0.000	0.000	0	<u>%100</u> %100
52	M49	7	-3 201	-3 201	0	%100
53	M50	X	0	0	0	<u>%100</u>
54	M50	7	_/ 311	_/ 311	0	%100
55	M50	X	0	-4.511	0	%100
56	M52	7	_1 11	_1 11	0	%100
57	M54	Z V	-4.44	-4.44	0	%100
58	M54	7	_3 201	_3 201	0	%100
50	MEE	Z V	-3.201	-3.201	0	%100
60	M55	~ 7	1.079	1 079	0	%100
61	M57		-1.070	-1.070	0	<u> </u>
62	N57	~ 7	1 1 1	1 1 1	0	<u> </u>
62			-1.11	-1.11	0	<u> </u>
64		7	0 2 701	0	0	<u>%100</u>
04			-2.701	-2.701	0	%100
60		7	0 2 701	0	0	<u> </u>
67			-2.701	-2.701	0	%100
60	NI69	<u> </u>	0	0	0	%100
00	<u>M70</u>		838	838	0	%100
09	M70	<u> </u>	0	0	0	%100
70	M70	<u> </u>	-2.00	-2.00	0	%100
70		<u> </u>	0	0	0	%100
72	M70		73	73	0	%100
73	<u>IVI72</u>	<u> </u>	0	0	0	%100
74	M72	<u> </u>	73	73	0	%100
75	M73A	X	0	0	0	%100
76	M73A	Ζ	-1.081	-1.081	0	%100
11	M76A	X	0	0	0	<u>%100</u>
78	M76A	<u> </u>	-3.065	-3.065	0	%100
79	M1/B	X	0	0	0	%100
08		<u> </u>	/1	/1	0	%100
81	M82B	X	0	0	0	%100
82	M82B		-3.201	-3.201	0	%100
83	M83B	X	0	0	0	%100
84	M83B	<u> </u>	-1.078	-1.078	0	%100
85	<u>M85A</u>	<u>X</u>	0	0	0	%100
86	<u>M85A</u>	<u> </u>	-1.11	-1.11	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	-3.201	-3.201	0	%100
89	M88A	X	0	0	0	%100
90	M88A	Z	-4.311	-4.311	0	%100
91	M90	X	0	0	0	%100
92	M90	Z	-4.44	-4.44	0	%100
93	MP4B	Х	0	0	0	%100
94	MP4B	Z	-2.701	-2.701	0	%100
95	MP1B	Χ	0	0	0	%100
96	MP1B	Z	-2.701	-2.701	0	%100

Member Distributed Loads	(BLC 53 · Structure Wi	(0 Dea)) (Continued)
		(U D C Y) (C U I I I I U C U)

	Member Label	Direction	Start Magnitude[lb/ft,	. End Magnitude[lb/ft,F	.Start Location[ft,%]	End Location[ft,%]
97	M102	Х	0	0	0	%100
98	M102	Z	-3.352	-3.352	0	%100
99	M107	Х	0	0	0	%100
100	M107	Z	838	838	0	%100
101	M111	Х	0	0	0	%100
102	M111	Z	838	838	0	%100
103	MP3C	Х	0	0	0	%100
104	MP3C	Z	-2.701	-2.701	0	%100
105	MP2C	Х	0	0	0	%100
106	MP2C	Z	-2.701	-2.701	0	%100
107	MP3B	Х	0	0	0	%100
108	MP3B	Z	-2.701	-2.701	0	%100
109	MP2B	Х	0	0	0	%100
110	MP2B	Z	-2.701	-2.701	0	%100
111	M123	Х	0	0	0	%100
112	M123	Z	824	824	0	%100
113	M124	Х	0	0	0	%100
114	M124	Z	-3.294	-3.294	0	%100
115	M125	Х	0	0	0	%100
116	M125	Z	824	824	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	M20	Х	1.257	1.257	0	%100
2	M20	Z	-2.177	-2.177	0	%100
3	M72A	Х	.443	.443	0	%100
4	M72A	Z	768	768	0	%100
5	M73	Х	1.094	1.094	0	%100
6	M73	Z	-1.895	-1.895	0	%100
7	M74	Х	1.094	1.094	0	%100
8	M74	Z	-1.895	-1.895	0	%100
9	M75	Х	1.622	1.622	0	%100
10	M75	Z	-2.81	-2.81	0	%100
11	M78	Х	1.179	1.179	0	%100
12	M78	Z	-2.041	-2.041	0	%100
13	M79	Х	.000729	.000729	0	%100
14	M79	Z	001	001	0	%100
15	M84	Х	.534	.534	0	%100
16	M84	Z	924	924	0	%100
17	M85	Х	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M87A	Х	0	0	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	Х	.534	.534	0	%100
22	M89A	Z	924	924	0	%100
23	M90A	Х	1.617	1.617	0	%100
24	M90A	Z	-2.8	-2.8	0	%100
25	M92	Х	1.665	1.665	0	%100
26	M92	Z	-2.884	-2.884	0	%100
27	MP4A	Х	1.351	1.351	0	%100
28	MP4A	Z	-2.339	-2.339	0	%100
29	MP3A	Х	1.351	1.351	0	%100
30	MP3A	Z	-2.339	-2.339	0	%100
31	MP2A	Х	1.351	1.351	0	%100
32	MP2A	Z	-2.339	-2.339	0	%100
33	MP1A	Х	1.351	1.351	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,%]
34	MP1A	Z	-2.339	-2.339	0	%100
35	OVP	Х	1.111	1.111	0	%100
36	OVP	Z	-1.925	-1.925	0	%100
37	M36	Х	1.257	1.257	0	%100
38	M36	Z	-2.177	-2.177	0	%100
39	M37	X	.443	.443	0	%100
40	M37	7	- 768	- 768	0	%100
41	M38	X	1 094	1 094	0	%100
42	M38	7	-1.895	-1.895	0	%100
43	M39	X	1.000	1.000	0	%100
40	M39	7	_1.805	_1.895	0	%100
15	M40	X	1 622	1 622	0	<u>%100</u>
46	M40	7	_2.81	_2.81	0	%100
40	M43	X	000720	-2.01	0	%100
47	M43	7	.000729	00129	0	%100
40	N44		001	001	0	<u> </u>
49		~ 7	1.179	1.179	0	<u> </u>
50	IVI44		-2.042	-2.042	0	%100 9/ 100
51	IVI49	<u>∧</u> 7	.534	.534	0	%100
52	IVI49		924	924	0	%100
53	IVI5U	λ 7	1.01/	1.01/	U	%100
54	IVI5U	<u> </u>	-2.8	-2.8	0	%100
55	M52	X	1.665	1.665	0	%100
56	M52	<u> </u>	-2.884	-2.884	0	<u>%100</u>
5/	M54	X	.534	.534	0	<u>%100</u>
58	M54	<u> </u>	924	924	0	<u>%100</u>
59	<u>M55</u>	<u> </u>	0	0	0	<u>%100</u>
60	M55	Z	0	0	0	%100
61	<u>M57</u>	<u> </u>	0	0	0	<u>%100</u>
62	M57	Z	0	0	0	%100
63	MP4C	<u> </u>	1.351	1.351	0	%100
64	MP4C	Z	-2.339	-2.339	0	%100
65	MP1C	X	1.351	1.351	0	<u>%100</u>
66	MP1C	Z	-2.339	-2.339	0	%100
67	M69	X	0	0	0	<u> </u>
68	M69	Z	0	0	0	%100
69	M70	X	1.773	1.773	0	<u>%100</u>
70	M70	Z	-3.071	-3.071	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	0	0	0	%100
73	M72	Χ	0	0	0	%100
74	M72	Z	0	0	0	%100
75	M73A	X	0	0	0	%100
76	M73A	Z	0	0	0	%100
77	M76A	Χ	1.121	1.121	0	%100
78	M76A	Z	-1.941	-1.941	0	%100
79	M77B	X	1.121	1.121	0	%100
80	M77B	Z	-1.941	-1.941	0	%100
81	M82B	Х	2.134	2.134	0	%100
82	M82B	Z	-3.696	-3.696	0	%100
83	M83B	Х	1.617	1.617	0	%100
84	M83B	Z	-2.8	-2.8	0	%100
85	M85A	X	1,665	1,665	0	%100
86	M85A	Z	-2.884	-2.884	0	%100
87	M87	X	2.134	2.134	0	%100
88	M87	Z	-3,696	-3,696	0	%100
89	M88A	X	1.617	1.617	0	%100
90	M88A	7	-2.8	-2.8	0	%100
00	11100/K	<b>_</b>	2.0	2.0	<b>v</b>	70100

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Fix\Rev 0\RISA\468184-VZW\_MT\_LO\_H.r3d]

Page 123

#### 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,%]
91	M90	Х	1.665	1.665	0	%100
92	M90	Z	-2.884	-2.884	0	%100
93	MP4B	Х	1.351	1.351	0	%100
94	MP4B	Z	-2.339	-2.339	0	%100
95	MP1B	Х	1.351	1.351	0	%100
96	MP1B	Z	-2.339	-2.339	0	%100
97	M102	Х	1.257	1.257	0	%100
98	M102	Z	-2.177	-2.177	0	%100
99	M107	Х	1.257	1.257	0	%100
100	M107	Z	-2.177	-2.177	0	%100
101	M111	Х	0	0	0	%100
102	M111	Z	0	0	0	%100
103	MP3C	Х	1.351	1.351	0	%100
104	MP3C	Z	-2.339	-2.339	0	%100
105	MP2C	Х	1.351	1.351	0	%100
106	MP2C	Z	-2.339	-2.339	0	%100
107	MP3B	Х	1.351	1.351	0	%100
108	MP3B	Z	-2.339	-2.339	0	%100
109	MP2B	Х	1.351	1.351	0	%100
110	MP2B	Z	-2.339	-2.339	0	%100
111	M123	Х	1.235	1.235	0	%100
112	M123	Z	-2.14	-2.14	0	%100
113	M124	X	1.235	1.235	0	%100
114	M124	Z	-2.14	-2.14	0	%100
115	M125	Х	0	0	0	%100
116	M125	Z	0	0	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	M20	Х	.726	.726	0	%100
2	M20	Z	419	419	0	%100
3	M72A	Х	2.303	2.303	0	%100
4	M72A	Z	-1.33	-1.33	0	%100
5	M73	Х	.632	.632	0	%100
6	M73	Z	365	365	0	%100
7	M74	Х	.632	.632	0	%100
8	M74	Z	365	365	0	%100
9	M75	Х	.937	.937	0	%100
10	M75	Z	541	541	0	%100
11	M78	Х	2.655	2.655	0	%100
12	M78	Z	-1.533	-1.533	0	%100
13	M79	Х	.615	.615	0	%100
14	M79	Z	355	355	0	%100
15	M84	Х	2.772	2.772	0	%100
16	M84	Z	-1.601	-1.601	0	%100
17	M85	Х	.933	.933	0	%100
18	M85	Z	539	539	0	%100
19	M87A	Х	.961	.961	0	%100
20	M87A	Z	555	555	0	%100
21	M89A	Х	2.772	2.772	0	%100
22	M89A	Z	-1.601	-1.601	0	%100
23	M90A	Х	3.733	3.733	0	%100
24	M90A	Z	-2.155	-2.155	0	%100
25	M92	Х	3.845	3.845	0	%100
26	M92	Z	-2.22	-2.22	0	%100
27	MP4A	Х	2.339	2.339	0	%100

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

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	28	MP4A	Z	-1.351	-1.351	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	29	MP3A	X	2.339	2.339	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	30	MP3A	Z	-1.351	-1.351	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	31	MP2A	Х	2.339	2.339	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	32	MP2A	Z	-1.351	-1.351	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	33	MP1A	Х	2.339	2.339	0	%100
$      \begin{array}{ c c c c c c c c c c c c c c c c c c c$	34	MP1A	Z	-1.351	-1.351	0	%100
	35	OVP	Х	1.925	1.925	0	%100
	36	OVP	Z	-1.111	-1.111	0	%100
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	37	M36	Х	2.903	2.903	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	38	M36	Z	-1.676	-1.676	0	%100
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	39	M37	X	0	0	0	%100
41         M38         X $2.527$ $2.527$ $0$ $\%100$ 42         M38         Z $-1.459$ $-1.459$ $0$ $\%100$ 43         M39         X $2.527$ $2.527$ $0$ $\%100$ 44         M39         Z $-1.459$ $-1.459$ $0$ $\%100$ 45         M40         X $3.746$ $3.746$ $0$ $\%100$ 46         M40         Z $-2.163$ $-2.163$ $0$ $\%100$ 47         M43         X $.715$ $0$ $\%100$ 49         M44         X $.715$ $0$ $\%100$ 50         M44         Z $-413$ $-413$ $0$ $\%100$ 51         M49         X $0$ $0$ $0$ $\%100$ 52         M49         Z $0$ $0$ $0$ $\%100$ 54         M50         Z $-559$ $-539$ $0$ $\%100$	40	M37	Z	0	0	0	%100
42         M38         Z         -1.459         -1.459         0         9100           43         M39         X         2.527         2.527         0         96100           44         M39         Z         -1.459         -1.459         0         96100           45         M40         X         3.746         3.746         0         96100           46         M40         Z         -2.163         -2.163         0         96100           47         M43         X         .715         .715         0         96100           48         M43         Z        413        413         0         96100           50         M44         X         .715         .715         0         96100           51         M49         Z         0         0         0         96100           52         M49         Z         0         0         0         96100           54         M50         Z        559        559         0         96100           55         M52         X         .961         .961         0         96100           55         M52	41	M38	X	2.527	2.527	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	42	M38	Z	-1.459	-1.459	0	%100
44         Mag         Z         -1.459         -1.459         0         %100           45         M40         X         3.746         3.746         0         %100           46         M40         Z         -2.163         0         %100           47         M43         X         .715         .715         0         %100           48         M43         Z        413        413         0         %100           49         M44         X         .715         .715         0         %100           50         M44         Z        413        413         0         %100           51         M49         Z         0         0         0         %100           52         M49         Z         0         0         0         %100           53         M50         X         .933         .933         0         %100           54         M52         X         .961         .961         0         %100           56         M52         Z         .555         .555         0         %100           58         M54         Z         0         <	43	M39	X	2.527	2.527	0	%100
45         M40         X         3.746         3.746         0         9400           46         M40         Z         -2.163         -2.163         0         %100           47         M43         X         .715         .715         0         %100           48         M43         Z        413         .413         0         %100           49         M44         X         .715         .715         0         %100           50         M44         Z        413         .413         0         %100           51         M49         X         0         0         0         %100           52         M49         Z         0         0         0         %100           53         M50         X         .933         .933         0         %100           54         M50         Z        555         .555         0         %100           56         M52         Z        555         .555         0         %100           57         M54         X         0         0         0         %100           58         M54         Z         0<	44	M39	Z	-1.459	-1.459	0	%100
46         M40         Z $-2.163$ $-2.163$ $0$ $M100$ $47$ M43         X $-715$ $-715$ $0$ $%100$ $48$ M43         Z $-413$ $-413$ $0$ $%100$ $49$ M44         X $-715$ $0$ $%100$ $50$ M44         Z $-413$ $-413$ $0$ $%100$ $50$ M44         Z $-413$ $-413$ $0$ $%100$ $51$ M49         X $0$ $0$ $0$ $%100$ $52$ M49         Z $0$ $0$ $0$ $%100$ $54$ M50         Z $-539$ $0$ $%100$ $55$ $M52$ $X$ $.961$ $.961$ $0$ $%100$ $56$ M52         Z $-539$ $0$ $%100$ $56$ $M52$ $Z$ $-539$ $0$ $%100$ $56$ M55         Z $-539$	45	M40	X	3,746	3,746	0	%100
$47$ M43 $\chi$ $.715$ $.715$ $0$ $\%100$ 48         M43         Z        413        413         0 $\%100$ 49         M44         X         .715         .715         0 $\%100$ 50         M44         Z        413        413         0 $\%100$ 51         M49         X         0         0         0         0 $\%100$ 52         M49         Z         0         0         0         0 $\%100$ 53         M50         X         .933         .933         0 $\%100$ 54         M50         Z        555         .555         0 $\%100$ 56         M52         Z        555         .555         0 $\%100$ 57         M54         X         0         0         0 $\%100$ 58         M55         X         .933         .933         0 $\%100$ 60         M55         Z         .555         .555         0 $\%100$	46	M40	7	-2,163	-2,163	0	%100
$M_{10}$ $M_{10}$ $M_{10}$ $M_{10}$ $M_{10}$ 49         M44         X         .715         .715         0         %100           50         M44         Z         -413         -413         0         %100           51         M49         X         0         0         0         %100           52         M49         Z         0         0         0         %100           53         M50         X         .933         .933         0         %100           54         M50         Z        539        539         0         %100           55         M52         X         .961         .961         0         %100           56         M52         Z        555        555         0         %100           58         M54         Z         0         0         0         %100           59         M55         Z        539        539         0         %100           62         M57         Z        555         .555         0         %100           63         MP4C         X         2.339	47	M43	X	715	715	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	48	M43	7	- 413	- 413	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	40	M44	×	715	715	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	50	MAA	7	- 413	- 413	0	%100
32 $34$ $32$ $33$ $33$ $33$	51	MAQ	X	0	0	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	52	M/Q	7	0	0	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	52	M50	X	033	033	0	%100
37 $1030$ $2$ $-233$ $-233$ $0$ $7100$ 55         M52         X         961         0         0         96100           56         M52         Z $-555$ $-555$ 0         94100           57         M54         X         0         0         0         96100           58         M54         Z         0         0         0         96100           59         M55         X         .933         .933         0         96100           60         M55         Z $-539$ 0         96100           61         M57         X         .961         .961         0         96100           62         M57         Z $-555$ $-555$ 0         96100           63         MP4C         X         2.339         2.339         0         94100           64         MP4C         Z $-1.351$ $-1.351$ 0         96100           65         MP1C         X         2.339         2.339         0         94100           66         MP1C <td< td=""><td>53</td><td>M50</td><td>7</td><td>- 530</td><td>_ 530</td><td>0</td><td>%100</td></td<>	53	M50	7	- 530	_ 530	0	%100
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	55	MEQ	Z V	559	009	0	%100
30 $102$ $2$ $333$ $0$ $700$ $57$ M54         X         0         0         0         94100 $58$ M54         Z         0         0         0         94100 $59$ M55         X         .933         .933         0         96100 $60$ M55         Z        539         0         96100 $61$ M57         X         .961         0         96100 $62$ M57         Z        555         .555         0         96100 $63$ MP4C         X         2.339         2.339         0         96100 $64$ MP4C         Z         -1.351         -1.351         0         96100 $66$ MP1C         Z         -1.351         -1.351         0         96100 $66$ MP1C         Z         -1.351         -1.351         0         96100 $68$ M69         Z        419        419         0         96100 $70$ M70         X         2.3	56	M52	7	.501	.901	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	57	M54		555	000	0	%100
30 $M34$ $Z$ $0$ $0$ $0$ $76100$ $59$ M55         X         .933         .933         0 $76100$ $60$ M55         Z         .539         .539         0 $96100$ $61$ M57         X         .961         .961         0 $96100$ $62$ M57         Z         .555         .555         0 $96100$ $63$ MP4C         X         2.339         0 $96100$ $64$ MP4C         Z         -1.351         -1.351         0 $96100$ $65$ MP1C         X         2.339         0 $96100$ $96100$ $66$ MP1C         Z         -1.351         -1.351         0 $96100$ $67$ M69         X         .726         .726         0 $96100$ $68$ M69         Z         -419         -419         0 $96100$ $70$ M70         Z         -1.33         -1.33         0 $96100$	50	M54	~ 7	0	0	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	50	M55	Z V	022	022	0	%100
OC         M33         Z        339        339         0         %100           61         M57         X         .961         .961         0         %100           62         M57         Z         .555         .555         0         %100           63         MP4C         X         2.339         2.339         0         %100           64         MP4C         Z         -1.351         -1.351         0         %100           65         MP1C         X         2.339         2.339         0         %100           66         MP4C         Z         -1.351         -1.351         0         %100           66         MP1C         Z         -1.351         -1.351         0         %100           67         M69         X         .726         .726         0         %100           68         M69         Z        419        419         0         %100           69         M70         X         2.303         2.303         0         %100           70         M70         Z         -3.652         .632         0         %100           71         M71 <td>60</td> <td>MEE</td> <td>~ 7</td> <td>.900</td> <td>.800</td> <td>0</td> <td>0/100</td>	60	MEE	~ 7	.900	.800	0	0/100
O1         M37         X         .501         .901         0         %100           62         M57         Z        555        555         0         %100           63         MP4C         X         2.339         2.339         0         %100           64         MP4C         Z         -1.351         -1.351         0         %100           65         MP1C         X         2.339         2.339         0         %100           66         MP1C         Z         -1.351         -1.351         0         %100           67         M69         X         .726         .726         0         %100           68         M69         Z        419        419         0         %100           69         M70         X         2.303         2.303         0         %100           70         M70         Z        419        419         0         %100           71         M71         X         .632         .632         0         %100           71         M71         Z        365        365         0         %100           72         M71	61	M57		059	009	0	%100
02         M37         2        333        335         0         %100           63         MP4C         X         2.339         2.339         0         %100           64         MP4C         Z         -1.351         -1.351         0         %100           65         MP1C         X         2.339         2.339         0         %100           66         MP1C         Z         -1.351         -1.351         0         %100           66         MP1C         Z         -1.351         -1.351         0         %100           67         M69         X         .726         .726         0         %100           68         M69         Z        419        419         0         %100           69         M70         X         2.303         2.303         0         %100           70         M70         Z         -1.33         -1.33         0         %100           71         M71         X         .632         .632         0         %100           72         M71         Z        365        365         0         %100           73         M72<	62	M57	~ 7	.901	.901	0	0/100
65         MIF4C         X         2.339         2.339         0         %100           64         MP4C         Z         -1.351         0         %100           65         MP1C         X         2.339         2.339         0         %100           66         MP1C         Z         -1.351         -1.351         0         %100           66         MP1C         Z         -1.351         -1.351         0         %100           67         M69         X         .726         .726         0         %100           68         M69         Z        419        419         0         %100           69         M70         X         2.303         2.303         0         %100           70         M70         Z         -1.33         -1.33         0         %100           71         M71         X         .632         .632         0         %100           73         M72         X         .632         .632         0         %100           74         M72         Z        365        365         0         %100           76         M73A         Z	62			000	000	0	0/ 100
04         MIP4C         Z         -1.351         -1.351         0         %100           65         MP1C         X         2.339         2.339         0         %100           66         MP1C         Z         -1.351         -1.351         0         %100           67         M69         X         .726         .726         0         %100           68         M69         Z        419        419         0         %100           69         M70         X         2.303         2.303         0         %100           70         M70         Z         -1.33         -1.33         0         %100           71         M71         X         .632         .632         0         %100           72         M71         Z        365        365         0         %100           73         M72         X         .632         .632         0         %100           74         M72         Z        365        365         0         %100           76         M73A         Z        541         .541         0         %100           76         M76A	03		7	2.339	2.339	0	% 100 9/ 100
03         MF1C         X         2.339         2.339         0         %100           66         MP1C         Z         -1.351         -1.351         0         %100           67         M69         X         .726         .726         0         %100           68         M69         Z        419        419         0         %100           69         M70         X         2.303         2.303         0         %100           70         M70         Z         -1.33         -1.33         0         %100           71         M71         X         .632         .632         0         %100           72         M71         Z        365        365         0         %100           73         M72         X         .632         .632         0         %100           74         M72         Z        365        365         0         %100           75         M73A         X         .937         .937         0         %100           75         M73A         Z        541        541         0         %100           76         M76A	04			-1.351	-1.351	0	%100
00         MPTC         Z         -1.351         -1.351         0         %100           67         M69         X         .726         .726         0         %100           68         M69         Z        419        419         0         %100           69         M70         X         2.303         2.303         0         %100           70         M70         Z         -1.33         -1.33         0         %100           71         M71         X         .632         .632         0         %100           72         M71         Z        365        365         0         %100           73         M72         X         .632         .632         0         %100           74         M72         Z        365        365         0         %100           75         M73A         X         .937         .937         0         %100           76         M73A         Z         .541         .541         0         %100           77         M76A         X         .614         .614         0         %100           78         M76A	60	MP10	<u>λ</u>	2.339	2.339	0	%100
07         M09         X         .720         .726         0         %100         68         M69         Z         .419         0         %100         69         M70         X         2.303         2.303         0         %100         69         M70         X         2.303         2.303         0         %100         70         M70         Z        419         .419         0         %100         %100         70         %100         70         M70         Z        413         2.303         0         %100         %100         70         M70         Z        1.33         -1.33         0         %100	00	MPTC		-1.351	-1.351	0	%100
00         M09         Z        419        419         0         %100           69         M70         X         2.303         2.303         0         %100           70         M70         Z         -1.33         -1.33         0         %100           71         M71         X         .632         .632         0         %100           72         M71         Z        365        365         0         %100           73         M72         X         .632         .632         0         %100           74         M72         Z        365        365         0         %100           75         M73A         X         .632         .632         0         %100           76         M73A         Z        365        365         0         %100           77         M76A         X         .614         .541         0         %100           78         M76A         Z        355        355         0         %100	67	IVI69	X	./20	./20	U	%100
b9         M70         X         2.303         2.303         0         %100           70         M70         Z         -1.33         -1.33         0         %100           71         M71         X         .632         .632         0         %100           72         M71         Z        365        365         0         %100           73         M72         X         .632         .632         0         %100           74         M72         Z        365        365         0         %100           75         M73A         X         .937         .937         0         %100           76         M73A         Z        541        541         0         %100           77         M76A         X         .614         .614         0         %100           78         M76A         Z        355        355         0         %100	68	M69		419	419	0	%100
70         M70         Z         -1.33         -1.33         0         %100           71         M71         X         .632         .632         0         %100           72         M71         Z        365        365         0         %100           73         M72         X         .632         .632         0         %100           74         M72         Z        365        365         0         %100           75         M73A         X         .937         .937         0         %100           76         M73A         Z        541        541         0         %100           77         M76A         X         .614         .614         0         %100           78         M76A         Z        355        355         0         %100	69	M/0	X	2.303	2.303	0	%100
/1         M/1         X         .632         .632         0         %100           72         M71         Z        365        365         0         %100           73         M72         X         .632         .632         0         %100           74         M72         Z        365        365         0         %100           75         M73A         X         .937         .937         0         %100           76         M73A         Z        541        541         0         %100           77         M76A         X         .614         .614         0         %100           78         M76A         Z        355        355         0         %100	/0	M/0	<u> </u>	-1.33	-1.33	0	%100
72         M/1         Z        365        365         0         %100           73         M72         X         .632         .632         0         %100           74         M72         Z        365        365         0         %100           75         M73A         X         .937         .937         0         %100           76         M73A         Z        541        541         0         %100           77         M76A         X         .614         .614         0         %100           78         M76A         Z        355        355         0         %100	/1	M/1	X	.632	.632	0	%100
73         M72         X         .632         .632         0         %100           74         M72         Z        365        365         0         %100           75         M73A         X         .937         .937         0         %100           76         M73A         Z        541         0         %100           77         M76A         X         .614         .614         0         %100           78         M76A         Z        355        355         0         %100	72	M71	<u> </u>	365	365	0	%100
74         M72         Z        365        365         0         %100           75         M73A         X         .937         .937         0         %100           76         M73A         Z        541        541         0         %100           77         M76A         X         .614         .614         0         %100           78         M76A         Z        355        355         0         %100	73	M72	X	.632	.632	0	%100
75         M73A         X         .937         .937         0         %100           76         M73A         Z        541        541         0         %100           77         M76A         X         .614         .614         0         %100           78         M76A         Z        355        355         0         %100	74	M72	Z	365	365	0	%100
76         M73A         Z        541         0         %100           77         M76A         X         .614         .614         0         %100           78         M76A         Z        355        355         0         %100	75	M73A	<u>          X                          </u>	.937	.937	0	%100
77         M76A         X         .614         .614         0         %100           78         M76A         Z        355        355         0         %100	76	M73A	Z	541	541	0	%100
78 M76A Z355355 0 %100	77	M76A	X	.614	.614	0	%100
	78	M76A	Z	355	355	0	%100
79         M77B         X         2.655         0         %100	79	M77B	X	2.655	2.655	0	%100
80 M77B Z -1.533 -1.533 0 %100	80	M77B	Z	-1.533	-1.533	0	%100
81 M82B X 2.772 2.772 0 %100	81	M82B	X	2.772	2.772	0	%100
82 M82B Z -1.601 -1.601 0 %100	82	M82B	Z	-1.601	-1.601	0	%100
83 M83B X 3.733 3.733 0 %100	83	M83B	Х	3.733	3.733	0	%100
84 M83B Z -2.155 -2.155 0 %100	84	M83B	Z	-2.155	-2.155	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Fix\Rev 0\RISA\468184-VZW\_MT\_LO\_H.r3d]

#### 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,%]
85	M85A	Х	3.845	3.845	0	%100
86	M85A	Z	-2.22	-2.22	0	%100
87	M87	Х	2.772	2.772	0	%100
88	M87	Z	-1.601	-1.601	0	%100
89	M88A	Х	.933	.933	0	%100
90	M88A	Z	539	539	0	%100
91	M90	Х	.961	.961	0	%100
92	M90	Z	555	555	0	%100
93	MP4B	Х	2.339	2.339	0	%100
94	MP4B	Z	-1.351	-1.351	0	%100
95	MP1B	Х	2.339	2.339	0	%100
96	MP1B	Z	-1.351	-1.351	0	%100
97	M102	Х	.726	.726	0	%100
98	M102	Z	419	419	0	%100
99	M107	Х	2.903	2.903	0	%100
100	M107	Z	-1.676	-1.676	0	%100
101	M111	Х	.726	.726	0	%100
102	M111	Z	419	419	0	%100
103	MP3C	Х	2.339	2.339	0	%100
104	MP3C	Z	-1.351	-1.351	0	%100
105	MP2C	Х	2.339	2.339	0	%100
106	MP2C	Z	-1.351	-1.351	0	%100
107	MP3B	Х	2.339	2.339	0	%100
108	MP3B	Z	-1.351	-1.351	0	%100
109	MP2B	Х	2.339	2.339	0	%100
110	MP2B	Z	-1.351	-1.351	0	%100
111	M123	Х	2.853	2.853	0	%100
112	M123	Z	-1.647	-1.647	0	%100
113	M124	Х	.713	.713	0	%100
114	M124	Z	412	412	0	%100
115	M125	Х	.713	.713	0	%100
116	M125	Z	412	412	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	M20	Х	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M72A	Х	3.546	3.546	0	%100
4	M72A	Z	0	0	0	%100
5	M73	Х	0	0	0	%100
6	M73	Z	0	0	0	%100
7	M74	Х	0	0	0	%100
8	M74	Z	0	0	0	%100
9	M75	Х	0	0	0	%100
10	M75	Z	0	0	0	%100
11	M78	Х	2.241	2.241	0	%100
12	M78	Z	0	0	0	%100
13	M79	Х	2.242	2.242	0	%100
14	M79	Z	0	0	0	%100
15	M84	Х	4.268	4.268	0	%100
16	M84	Z	0	0	0	%100
17	M85	Х	3.233	3.233	0	%100
18	M85	Z	0	0	0	%100
19	M87A	Х	3.33	3.33	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	Х	4.268	4.268	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,%]
22	M89A	Z	0	0	0	%100
23	M90A	Х	3.233	3.233	0	%100
24	M90A	Z	0	0	0	%100
25	M92	Х	3.33	3.33	0	%100
26	M92	Z	0	0	0	%100
27	MP4A	Х	2,701	2,701	0	%100
28	MP4A	7	0	0	Ő	%100
29	MP3A	X	2 701	2 701	0	%100
30	MP3A	7	0	0	0	%100
31	MP2A	X	2 701	2 701	0	%100
32	MP2A	7	0	0	0	%100
33	MP1A	X	2 701	2 701	0	<u>%100</u> %100
34	MP1A	7	0	0	0	%100
35	OVP	X	2 222	2 222	0	<u>%100</u>
36	OVP	7	0	0	0	%100
37	M36	X	2 51/	2.51/	0	%100
38	M36	7	0	2.314	0	%100
30	M27	×	887	887	0	%100
40	M27	7	.007	.007	0	%100
40	M29	×	2 1 2 0	2 1 9 0	0	%100
41	M29	~ 7	2.109	2.109	0	%100
42	M20	Z V	2 1 2 0	2 1 9 0	0	0/100
43	N39	~ 7	2.109	2.109	0	<u> </u>
44	<u> </u>	<u> </u>	2 244	2.244	0	<u>%100</u>
40	<u>IVI40</u>	~ 7	3.244	3.244	0	%100
40	<u>IVI40</u>	<u> </u>	0.057	0 0 0 5 7	0	%100
47	<u>IVI43</u>	7	2.337	2.337	0	<u>%100</u>
48	IVI43	<u> </u>	001	001	0	%100
49	<u>IVI44</u>	<u> </u>	.001	.001	0	%100
50	<u>IVI44</u>	<u> </u>	1.067	1.007	0	%100
51	<u>M49</u>	<u> </u>	1.007	1.007	0	%100
52	10149	<u> </u>	0	0	0	%100
53	N50	<u> </u>	0	0	0	%100
54	ME2	<u> </u>	0	0	0	%100
55	N52	<u> </u>	0	0	0	%100
50	M52	<u> </u>	0	0	0	%100
57	M54	<u>×</u>	1.067	1.067	0	%100
58	N54	Z	0	0	0	%100
59	IVI55	X 7	3.233	3.233	0	%100
60	IVI55	<u> </u>	0	0	0	%100
61	IVI57	X	3.33	3.33	0	%100
62	M5/	<u> </u>	0 704	0 704	0	%100
63	MP4C	X	2.701	2.701	0	%100
64	MP4C	<u> </u>	0	0	0	%100
65	MP1C	X	2.701	2.701	0	%100
66	MP1C	<u> </u>	0	0	0	%100
67	M69	X	2.514	2.514	0	%100
68	M69	<u> </u>	0	0	0	%100
69	M70	X	.887	.887	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	2.189	2.189	0	%100
72	M71	Z	0	0	0	%100
73	M72	X	2.189	2.189	0	%100
74	M72	Z	0	0	0	%100
75	M73A	Х	3.244	3.244	0	%100
76	M73A	Z	0	0	0	%100
77	M76A	Χ	.001	.001	0	%100
78	M76A	Z	0	0	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Fix\Rev 0\RISA\468184-VZW\_MT\_LO\_H.r3d]

Page 127

#### 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,%]
79	M77B	Х	2.358	2.358	0	%100
80	M77B	Z	0	0	0	%100
81	M82B	Х	1.067	1.067	0	%100
82	M82B	Z	0	0	0	%100
83	M83B	Х	3.233	3.233	0	%100
84	M83B	Z	0	0	0	%100
85	M85A	Х	3.33	3.33	0	%100
86	M85A	Z	0	0	0	%100
87	M87	Х	1.067	1.067	0	%100
88	M87	Z	0	0	0	%100
89	M88A	Х	0	0	0	%100
90	M88A	Z	0	0	0	%100
91	M90	Х	0	0	0	%100
92	M90	Z	0	0	0	%100
93	MP4B	Х	2.701	2.701	0	%100
94	MP4B	Z	0	0	0	%100
95	MP1B	Х	2.701	2.701	0	%100
96	MP1B	Z	0	0	0	%100
97	M102	Х	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M107	Х	2.514	2.514	0	%100
100	M107	Z	0	0	0	%100
101	M111	Х	2.514	2.514	0	%100
102	M111	Z	0	0	0	%100
103	MP3C	Х	2.701	2.701	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	Х	2.701	2.701	0	%100
106	MP2C	Z	0	0	0	%100
107	MP3B	Х	2.701	2.701	0	%100
108	MP3B	Z	0	0	0	%100
109	MP2B	Х	2.701	2.701	0	%100
110	MP2B	Z	0	0	0	%100
111	M123	Х	2.471	2.471	0	%100
112	M123	Z	0	0	0	%100
113	M124	Х	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	Х	2.471	2.471	0	%100
116	M125	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	M20	Х	.726	.726	0	%100
2	M20	Z	.419	.419	0	%100
3	M72A	Х	2.303	2.303	0	%100
4	M72A	Z	1.33	1.33	0	%100
5	M73	Х	.632	.632	0	%100
6	M73	Z	.365	.365	0	%100
7	M74	Х	.632	.632	0	%100
8	M74	Z	.365	.365	0	%100
9	M75	Х	.937	.937	0	%100
10	M75	Z	.541	.541	0	%100
11	M78	Х	.614	.614	0	%100
12	M78	Z	.355	.355	0	%100
13	M79	Х	2.655	2.655	0	%100
14	M79	Z	1.533	1.533	0	%100
15	M84	Х	2.772	2.772	0	%100

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

16         M84         Z           17         M85         X           18         M85         Z           19         M87A         X           20         M87A         Z	1.601 3.733 2.155 3.845 2.22 2.772 1.601	1.601 3.733 2.155 3.845 2.22	0 0 0	%100 %100 %100
17         M85         X           18         M85         Z           19         M87A         X           20         M87A         Z	3.733 2.155 3.845 2.22 2.772 1.601	3.733 2.155 3.845 2.22	0	<u>%100</u> %100
18         M85         Z           19         M87A         X           20         M87A         Z	2.155 3.845 2.22 2.772 1.601	2.155 3.845 2.22	0	%100
19 M87A X	3.845 2.22 2.772	3.845	0	
20 M87A 7	2.22 2.772 1.601	2 22	<u> </u>	%100
	2.772		0	%100
21 M89A X	1 601	2.772	0	%100
22 M89A Z	1.001	1.601	0	%100
23 M90A X	.933	.933	0	%100
24 M90A Z	.539	.539	0	%100
25 M92 X	.961	.961	0	%100
26 M92 Z	.555	.555	0	%100
27 MP4A X	2.339	2.339	0	%100
28 MP4A 7	1.351	1.351	0	%100
29 MP3A X	2.339	2.339	0	%100
30 MP3A Z	1.351	1.351	0	%100
31 MP2A X	2.339	2.339	0	%100
32 MP2A 7	1.351	1.351	0	%100
33 MP1A X	2 339	2,339	0	%100
34 MP1A 7	1 351	1 351	0	%100
35 OVP X	1 925	1 925	0	%100
36 OVP 7	1 111	1 111	0	%100
37 M36 X	726	726	0	%100
38 M36 7	<u>.120</u> <u>/10</u>	410	0	%100
39 M37 Y	2 303	2 303	0	%100
40 M37 7	1 22	1 33	0	%100
A1 M38 V	632	632	0	%100
1 WISO A 12 M38 7	365	365	0	%100
42 WISO Z 43 M30 V	.303	.303	0	%100
43 W39 A 44 M20 7	.032	365	0	%100
44 WI39 Z	.303	.303	0	%100
45 W40 A	.937	.937	0	%100
40 W140 Z	.041	2 655	0	%100
47 IVI43 Å 49 M42 7	2.000	2.000	0	0/100
40 W43 Z	615	615	0	%100
43         IVI44         X           50         M44         7	.010	.015	0	0/100
51 M40 Y	.300	.300	0	0/ 100
50 M40 7	2.112	2.112	0	% 100 % 100
52 IVI49 Z	1.001	1.001	0	%100
33 IVIDU X	.933	.933	0	%100
	.539	.539	0	%100
	.961	.901	U	%100
50 M52 Z	.555	.555	0	%100
5/ M54 X	2.772	2.772	0	%100
58 M54 Z	1.601	1.601	0	%100
59 M55 X	3.733	3.733	0	%100
60 M55 Z	2.155	2.155	0	%100
61 M57 X	3.845	3.845	0	%100
62 M57 Z	2.22	2.22	0	%100
63 MP4C X	2.339	2.339	0	%100
64 MP4C Z	1.351	1.351	0	%100
65 MP1C X	2.339	2.339	0	%100
66 MP1C Z	1.351	1.351	0	%100
67 M69 X	2.903	2.903	0	%100
68 M69 Z	1.676	1.676	0	%100
69 M70 X	0	0	0	%100
70 M70 Z	0	0	0	%100
71 M71 X	2.527	2.527	0	%100
72 M71 Z	1.459	1.459	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Fix\Rev 0\RISA\468184-VZW\_MT\_LO\_H.r3d]

#### 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,%]
73	M72	Х	2.527	2.527	0	%100
74	M72	Z	1.459	1.459	0	%100
75	M73A	Х	3.746	3.746	0	%100
76	M73A	Z	2.163	2.163	0	%100
77	M76A	Х	.715	.715	0	%100
78	M76A	Z	.413	.413	0	%100
79	M77B	Х	.715	.715	0	%100
80	M77B	Z	.413	.413	0	%100
81	M82B	Х	0	0	0	%100
82	M82B	Z	0	0	0	%100
83	M83B	Х	.933	.933	0	%100
84	M83B	Z	.539	.539	0	%100
85	M85A	Х	.961	.961	0	%100
86	M85A	Z	.555	.555	0	%100
87	M87	Х	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88A	Х	.933	.933	0	%100
90	M88A	Z	.539	.539	0	%100
91	M90	Х	.961	.961	0	%100
92	M90	Z	.555	.555	0	%100
93	MP4B	Х	2.339	2.339	0	%100
94	MP4B	Z	1.351	1.351	0	%100
95	MP1B	Х	2.339	2.339	0	%100
96	MP1B	Z	1.351	1.351	0	%100
97	M102	Х	.726	.726	0	%100
98	M102	Z	.419	.419	0	%100
99	M107	Х	.726	.726	0	%100
100	M107	Z	.419	.419	0	%100
101	M111	Х	2.903	2.903	0	%100
102	M111	Z	1.676	1.676	0	%100
103	MP3C	Х	2.339	2.339	0	%100
104	MP3C	Z	1.351	1.351	0	%100
105	MP2C	Х	2.339	2.339	0	%100
106	MP2C	Z	1.351	1.351	0	%100
107	MP3B	Х	2.339	2.339	0	%100
108	MP3B	Z	1.351	1.351	0	%100
109	MP2B	Х	2.339	2.339	0	%100
110	MP2B	Z	1.351	1.351	0	%100
111	M123	Х	.713	.713	0	%100
112	M123	Z	.412	.412	0	%100
113	M124	Х	.713	.713	0	%100
114	M124	Z	.412	.412	0	%100
115	M125	X	2.853	2.853	0	%100
116	M125	Z	1.647	1.647	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	M20	Х	1.257	1.257	0	%100
2	M20	Z	2.177	2.177	0	%100
3	M72A	Х	.443	.443	0	%100
4	M72A	Z	.768	.768	0	%100
5	M73	Х	1.094	1.094	0	%100
6	M73	Z	1.895	1.895	0	%100
7	M74	Х	1.094	1.094	0	%100
8	M74	Z	1.895	1.895	0	%100
9	M75	Х	1.622	1.622	0	%100

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

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
	10	M75	Z	2.81	2.81	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	11	M78	X	.000729	.000729	0	%100
	12	M78	Z	.001	.001	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	13	M79	X	1.179	1.179	0	%100
15         M84         X         534         534         0         %100           16         M84         Z         924         924         0         %100           17         M85         X         1.617         1.617         0         %6100           18         M85         Z         2.8         2.8         0         %6100           20         M87A         Z         2.884         2.834         0         %6100           21         M89A         X         .534         .534         0         %6100           23         M90A         X         .534         .0         %6100           23         M90A         Z         0         0         0         %6100           24         M90A         Z         0         0         0         %6100           25         M92         X         0         0         0         %6100           26         M92         Z         0         0         0         %6100           30         MP4A         Z         2.339         2.339         0         %6100           31         MP2A         X         1.351 <td< td=""><td>14</td><td>M79</td><td>Z</td><td>2.042</td><td>2.042</td><td>0</td><td>%100</td></td<>	14	M79	Z	2.042	2.042	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	15	M84	Х	.534	.534	0	%100
	16	M84	Z	.924	.924	0	%100
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	17	M85	Х	1.617	1.617	0	%100
	18	M85	Z	2.8	2.8	0	%100
	19	M87A	Х	1.665	1.665	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	20	M87A	Z	2.884	2.884	0	%100
22         M89A         Z         .924         .923         .925         .925         .925         .946100         .931         .946100         .931         .946100         .931         .931         .932         .9323         .9323         .9323         .9323         .9323         .9323         .9323         .9323         .9323         .9323         .9323         .9323         .9323         .9323         .9323         .933         .934         .9310         .946100         <	21	M89A	X	.534	.534	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	22	M89A	Z	.924	.924	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	23	M90A	X	0	0	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	24	M90A	Z	0	0	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	25	M92	X	0	0	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	26	M92	Z	0	0	0	%100
28         MPAA         Z         2.339         0         %100           29         MP3A         X         1.351         1.351         0         %100           30         MP3A         Z         2.339         0         %100           31         MP2A         X         1.351         1.351         0         %100           32         MP2A         X         1.351         1.351         0         %100           33         MP1A         X         1.351         1.351         0         %100           33         MP1A         Z         2.339         2.339         0         %100           34         MP1A         Z         2.339         0         %100           35         OVP         X         1.111         1.111         0         %100           36         OVP         Z         1.925         1.925         0         %100           36         M36         Z         0         0         0         %100           37         M36         X         0         0         0         %100           40         M37         Z         3.071         3.071         0	27	MP4A	X	1.351	1.351	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	28	MP4A	7	2 339	2 339	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	29	MP3A	X	1 351	1 351	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	30	MP3A	7	2 339	2,339	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	31	MP2A	X	1 351	1 351	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	32	MP2A	7	2 3 3 0	2 3 3 0	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	33	MP1Δ	X	1 351	1 351	0	%100
35 $OVP$ $X$ $1.111$ $1.111$ $0$ $%100$ $36$ $OVP$ $Z$ $1.925$ $1.925$ $0$ $%100$ $37$ $M36$ $X$ $0$ $0$ $0$ $%100$ $38$ $M36$ $Z$ $0$ $0$ $0$ $%100$ $38$ $M36$ $Z$ $0$ $0$ $0$ $%100$ $40$ $M37$ $X$ $1.773$ $1.773$ $0$ $%100$ $40$ $M37$ $X$ $0$ $0$ $0$ $%100$ $41$ $M38$ $X$ $0$ $0$ $0$ $%100$ $42$ $M38$ $Z$ $0$ $0$ $0$ $%100$ $44$ $M39$ $X$ $0$ $0$ $0$ $%100$ $45$ $M40$ $X$ $0$ $0$ $0$ $%100$ $46$ $M43$ $Z$ $1.941$ $1.941$	3/	MP1A	7	2 3 3 0	2 3 3 0	0	%100
36 $0.01$ $A$ $1.111$ $1.111$ $0$ $7000$ $36$ $OVP$ $Z$ $1.925$ $1.925$ $0$ $%100$ $37$ $M36$ $X$ $0$ $0$ $0$ $%100$ $38$ $M36$ $Z$ $0$ $0$ $0$ $%100$ $39$ $M37$ $X$ $1.773$ $1.773$ $0$ $%100$ $40$ $M37$ $Z$ $3.071$ $3.071$ $0$ $%100$ $41$ $M38$ $X$ $0$ $0$ $0$ $%100$ $42$ $M38$ $Z$ $0$ $0$ $0$ $%100$ $44$ $M39$ $X$ $0$ $0$ $0$ $%100$ $44$ $M39$ $Z$ $0$ $0$ $0$ $%100$ $45$ $M40$ $X$ $1.121$ $1.121$ $0$ $%100$ $46$ $M43$ $Z$ $1.941$ <t< td=""><td>35</td><td></td><td>X</td><td>1 111</td><td>1 111</td><td>0</td><td>%100</td></t<>	35		X	1 111	1 111	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	36		7	1.025	1.025	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	27	M26	Z V	0	0	0	%100
$30$ $M30$ $Z$ $0$ $0$ $7^{0}100$ $39$ $M37$ $X$ $1.773$ $0$ $9^{0}100$ $40$ $M37$ $Z$ $3.071$ $3.071$ $0$ $9^{0}100$ $41$ $M38$ $X$ $0$ $0$ $0$ $9^{0}100$ $42$ $M38$ $Z$ $0$ $0$ $0$ $9^{0}100$ $44$ $M39$ $X$ $0$ $0$ $0$ $9^{0}100$ $44$ $M39$ $Z$ $0$ $0$ $0$ $9^{0}100$ $45$ $M40$ $X$ $0$ $0$ $0$ $9^{0}100$ $46$ $M40$ $Z$ $0$ $0$ $0$ $9^{0}100$ $48$ $M43$ $Z$ $1.941$ $1.941$ $0$ $9^{0}100$ $49$ $M44$ $Z$ $1.941$ $1.941$ $0$ $9^{0}100$ $50$ $M49$ $Z$ $3.696$ $3.696$ </td <td>30</td> <td>M26</td> <td>7</td> <td>0</td> <td>0</td> <td>0</td> <td>%100</td>	30	M26	7	0	0	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	30	M27	Z V	1 772	1 772	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	40	N27	~ 7	3.071	3.071	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	40	M2Q	Z V	0.071	0.071	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	41	IVI30	∧ 7	0	0	0	0/100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	42	M20	Z V	0	0	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	43	N20	∧ 7	0	0	0	0/100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	44	N10		0	0	0	0/ 100
40M40Z0009/100 $47$ M43X1.1211.1210%100 $48$ M43Z1.9411.9410%100 $49$ M44X1.1211.1210%100 $50$ M44Z1.9410%100 $51$ M49X2.1340%100 $52$ M49Z3.6963.6960%100 $53$ M50X1.6171.6170%100 $54$ M50Z2.82.80%100 $55$ M52X1.6651.6650%100 $56$ M52Z2.8842.8840%100 $57$ M54X2.1342.1340%100 $58$ M54Z3.6963.6960%100 $59$ M55X1.6171.6170%100 $60$ M55Z2.82.80%100	40	IVI4U	<u> </u>	0	0	0	% 100 9/ 100
47 $1045$ $X$ $1.121$ $1.121$ $0$ $%100$ $48$ M43Z $1.941$ $1.941$ $0$ $%100$ $49$ M44X $1.121$ $1.121$ $0$ $%100$ $50$ M44Z $1.941$ $0$ $%100$ $51$ M49X $2.134$ $0$ $%100$ $52$ M49Z $3.696$ $3.696$ $0$ $%100$ $53$ M50X $1.617$ $1.617$ $0$ $%100$ $54$ M50Z $2.8$ $2.8$ $0$ $%100$ $55$ M52X $1.665$ $1.665$ $0$ $%100$ $56$ M52Z $2.884$ $2.884$ $0$ $%100$ $57$ M54X $2.134$ $2.134$ $0$ $%100$ $58$ M54Z $3.696$ $3.696$ $0$ $%100$ $59$ M55X $1.617$ $1.617$ $0$ $%100$ $60$ M55Z $2.8$ $2.8$ $0$ $%100$	40	IVI4U		1 101	1 101	0	%100
40         M43         Z         1.941         1.941         0         %100           49         M44         X         1.121         1.121         0         %100           50         M44         Z         1.941         1.941         0         %100           51         M49         X         2.134         2.134         0         %100           52         M49         Z         3.696         3.696         0         %100           53         M50         X         1.617         1.617         0         %100           54         M50         Z         2.8         2.8         0         %100           55         M52         X         1.665         1.665         0         %100           56         M52         Z         2.884         2.884         0         %100           57         M54         X         2.134         2.134         0         %100           58         M54         Z         3.696         3.696         0         %100           59         M55         X         1.617         1.617         0         %100           60         M55	4/	IVI43	<u>λ</u> 7	1.121	1.121	0	%100
49         M44         X         1.121         1.121         0         %100           50         M44         Z         1.941         0         %100           51         M49         X         2.134         2.134         0         %100           52         M49         Z         3.696         3.696         0         %100           53         M50         X         1.617         1.617         0         %100           54         M50         Z         2.8         2.8         0         %100           55         M52         X         1.665         1.665         0         %100           56         M52         Z         2.884         2.884         0         %100           57         M54         X         2.134         2.134         0         %100           58         M54         Z         3.696         3.696         0         %100           59         M55         X         1.617         1.617         0         %100           60         M55         Z         2.8         2.8         0         %100	48	IVI43	<u> </u>	1.941	1.941	0	%100
D0         M44         Z         1.941         1.941         0         %100           51         M49         X         2.134         2.134         0         %100           52         M49         Z         3.696         3.696         0         %100           53         M50         X         1.617         1.617         0         %100           54         M50         Z         2.8         2.8         0         %100           55         M52         X         1.665         1.665         0         %100           56         M52         Z         2.884         2.884         0         %100           57         M54         X         2.134         2.134         0         %100           58         M54         Z         3.696         3.696         0         %100           59         M55         X         1.617         1.617         0         %100           60         M55         Z         2.8         2.8         0         %100	49	IVI44	× 7	1.121	1.121	U	%100
51         M49         X         2.134         2.134         0         %100           52         M49         Z         3.696         3.696         0         %100           53         M50         X         1.617         1.617         0         %100           54         M50         Z         2.8         2.8         0         %100           55         M52         X         1.665         1.665         0         %100           56         M52         Z         2.884         2.884         0         %100           57         M54         X         2.134         2.134         0         %100           58         M54         Z         3.696         3.696         0         %100           59         M55         X         1.617         1.617         0         %100           60         M55         Z         2.8         2.8         0         %100	50	M44	<u> </u>	1.941	1.941	0	%100
52         M49         Z         3.696         3.696         0         %100           53         M50         X         1.617         1.617         0         %100           54         M50         Z         2.8         2.8         0         %100           55         M52         X         1.665         1.665         0         %100           56         M52         Z         2.884         2.884         0         %100           57         M54         X         2.134         2.134         0         %100           58         M54         Z         3.696         3.696         0         %100           59         M55         X         1.617         1.617         0         %100           60         M55         Z         2.8         2.8         0         %100	51	M49	X	2.134	2.134	0	%100
53         M50         X         1.61/         1.61/         0         %100           54         M50         Z         2.8         2.8         0         %100           55         M52         X         1.665         1.665         0         %100           56         M52         Z         2.884         2.884         0         %100           57         M54         X         2.134         2.134         0         %100           58         M54         Z         3.696         3.696         0         %100           59         M55         X         1.617         1.617         0         %100           60         M55         Z         2.8         2.8         0         %100	52	M49	<u> </u>	3.696	3.696	0	%100
54         M50         Z         2.8         2.8         0         %100           55         M52         X         1.665         1.665         0         %100           56         M52         Z         2.884         2.884         0         %100           57         M54         X         2.134         2.134         0         %100           58         M54         Z         3.696         3.696         0         %100           59         M55         X         1.617         1.617         0         %100           60         M55         Z         2.8         2.8         0         %100	53	M50	X	1.617	1.61/	0	%100
55         M52         X         1.665         1.665         0         %100           56         M52         Z         2.884         2.884         0         %100           57         M54         X         2.134         2.134         0         %100           58         M54         Z         3.696         3.696         0         %100           59         M55         X         1.617         1.617         0         %100           60         M55         Z         2.8         2.8         0         %100	54	M50	<u> </u>	2.8	2.8	0	%100
56         M52         Z         2.884         2.884         0         %100           57         M54         X         2.134         2.134         0         %100           58         M54         Z         3.696         3.696         0         %100           59         M55         X         1.617         1.617         0         %100           60         M55         Z         2.8         2.8         0         %100	55	M52	<u>X</u>	1.665	1.665	0	%100
57         M54         X         2.134         2.134         0         %100           58         M54         Z         3.696         3.696         0         %100           59         M55         X         1.617         1.617         0         %100           60         M55         Z         2.8         0         %100	56	M52	Z	2.884	2.884	0	%100
58         M54         Z         3.696         3.696         0         %100           59         M55         X         1.617         1.617         0         %100           60         M55         Z         2.8         2.8         0         %100	57	M54	<u>X</u>	2.134	2.134	0	%100
59         M55         X         1.617         1.617         0         %100           60         M55         Z         2.8         2.8         0         %100	58	M54	Z	3.696	3.696	0	%100
60 M55 7 28 28 0 %100	59	M55	Х	1.617	1.617	0	%100
	60	M55	Z	2.8	2.8	0	%100
61 M57 X 1.665 0 %100	61	M57	Χ	1.665	1.665	0	%100
62 M57 Z 2.884 2.884 0 %100	62	M57	Z	2.884	2.884	0	%100
63 MP4C X 1.351 1.351 0 %100	63	MP4C	X	1.351	1.351	0	%100
64 MP4C Z 2.339 2.339 0 %100	64	MP4C	Z	2.339	2.339	0	%100
65 MP1C X 1.351 1.351 0 %100	65	MP1C	Х	1.351	1.351	0	%100
66         MP1C         Z         2.339         2.339         0         %100	66	MP1C	Z	2.339	2.339	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	M69	X	1.257	1.257	0	%100
68	M69	Z	2.177	2.177	0	%100
69	M70	X	.443	.443	0	%100
70	M70	Z	.768	.768	0	%100
71	M71	Χ	1.094	1.094	0	%100
72	M71	Z	1.895	1.895	0	%100
73	M72	Χ	1.094	1.094	0	%100
74	M72	Z	1.895	1.895	0	%100
75	M73A	X	1.622	1.622	0	%100
76	M73A	Z	2.81	2.81	0	%100
77	M76A	X	1.179	1.179	0	%100
78	M76A	Z	2.041	2.041	0	%100
79	M77B	X	.000729	.000729	0	%100
80	M77B	Z	.001	.001	0	%100
81	M82B	Χ	.534	.534	0	%100
82	M82B	Z	.924	.924	0	%100
83	M83B	Χ	0	0	0	%100
84	M83B	Z	0	0	0	%100
85	M85A	Χ	0	0	0	%100
86	M85A	Z	0	0	0	%100
87	M87	X	.534	.534	0	%100
88	M87	Z	.924	.924	0	%100
89	<u>M88A</u>	X	1.617	1.617	0	%100
90	M88A	Z	2.8	2.8	0	%100
91	M90	Χ	1.665	1.665	0	%100
92	M90	Z	2.884	2.884	0	%100
93	MP4B	Χ	1.351	1.351	0	%100
94	MP4B	Z	2.339	2.339	0	%100
95	MP1B	X	1.351	1.351	0	%100
96	MP1B	Z	2.339	2.339	0	%100
97	M102	X	1.257	1.257	0	%100
98	M102	Z	2.177	2.177	0	%100
99	<u>M107</u>	<u>X</u>	0	0	0	%100
100	<u>M107</u>	Z	0	0	0	%100
101	<u>M111</u>	<u>X</u>	1.257	1.257	0	%100
102	<u>M111</u>	Z	2.177	2.177	0	%100
103	MP3C	<u>X</u>	1.351	1.351	0	%100
104	MP3C	Z	2.339	2.339	0	%100
105	MP2C	X	1.351	1.351	0	%100
106	MP2C	Z	2.339	2.339	0	%100
107	MP3B	<u>X</u>	1.351	1.351	0	%100
108	MP3B	Z	2.339	2.339	0	%100
109	MP2B	<u>X</u>	1.351	1.351	0	%100
110	MP2B	Z	2.339	2.339	0	%100
111	M123	<u>X</u>	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	<u>X</u>	1.235	1.235	0	%100
114	M124	Z	2.14	2.14	0	%100
115	<u>M125</u>	<u>X</u>	1.235	1.235	0	%100
116	M125	Z	2.14	2.14	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	M20	Х	0	0	0	%100
2	M20	Z	3.352	3.352	0	%100
3	M72A	Х	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,%]
4	M72A	Z	0	0	0	%100
5	M73	Х	0	0	0	%100
6	M73	Z	2.918	2.918	0	%100
7	M74	Х	0	0	0	%100
8	M74	Z	2.918	2.918	0	%100
9	M75	X	0	0	0	%100
10	M75	7	4 326	4 326	0	%100
11	M78	X	0	0	0	%100
12	M78	7	825	825	0	%100
13	M79	X	0	0	0	%100
14	M79	7	825	825	0	%100
15	M84	X	0	0	0	%100
16	M8/	7	0	0	0	%100
17	N85	X	0	0	0	%100
10	N05	7	1 079	1 079	0	0/100
10			1.070	1.070	0	<u> </u>
19		7	0		0	%100
20	IVIO/A		1.11	1.11	0	%100
21		× 7	0	0	0	%100
22	IVI89A	<u> </u>	0	0	0	%100
23	M90A	X	0	0	0	%100
24	M90A	<u> </u>	1.078	1.0/8	0	%100
25	M92	<u> </u>	0	0	0	%100
26	<u>M92</u>	Z	1.11	1.11	0	%100
27	<u>MP4A</u>	<u>X</u>	0	0	0	%100
28	MP4A	Z	2.701	2.701	0	%100
29	<u>MP3A</u>	<u> </u>	0	0	0	%100
30	MP3A	Z	2.701	2.701	0	%100
31	MP2A	<u> </u>	0	0	0	<u>%100</u>
32	MP2A	Z	2.701	2.701	0	%100
33	MP1A	X	0	0	0	<u> </u>
34	MP1A	Z	2.701	2.701	0	%100
35	OVP	X	0	0	0	%100
36	OVP	Z	2.222	2.222	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	.838	.838	0	%100
39	M37	Х	0	0	0	%100
40	M37	Z	2.66	2.66	0	%100
41	M38	Х	0	0	0	%100
42	M38	Z	.73	.73	0	%100
43	M39	Х	0	0	0	%100
44	M39	Z	.73	.73	0	%100
45	M40	Х	0	0	0	%100
46	M40	Z	1.081	1.081	0	%100
47	M43	Х	0	0	0	%100
48	M43	Z	.71	.71	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	3.066	3,066	0	%100
51	M49	X	0	0	0	%100
52	M49	7	3,201	3.201	0	%100
53	M50	X	0	0	0	%100
54	M50	7	4 311	4 311	0	%100
55	M52	X	0	0	0	%100
56	M52	7	4 11	4 11	0	%100
57	M5/	X	0	0	0	%100
58	M54	7	3 201	3 201	0	%100
50	M55	×	0.201	0.201	0	%100
60	MEE	~ 7	1.079	1 079	0	0/100
00	CCIVI		1.070	1.070	U	70100

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Fix\Rev 0\RISA\468184-VZW\_MT\_LO\_H.r3d]

#### 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,%]
61	M57	Х	0	0	0	%100
62	M57	Z	1.11	1.11	0	%100
63	MP4C	X	0	0	0	%100
64	MP4C	Z	2.701	2.701	0	%100
65	MP1C	Х	0	0	0	%100
66	MP1C	Z	2.701	2.701	0	%100
67	M69	X	0	0	0	%100
68	M69	7	838	838	0	%100
69	M70	X	0	0	0	%100
70	M70	7	2 66	2 66	0	%100
71	M71	X	0	0	0	%100
72	M71	7	73	73	0	%100
73	M72	X	.10	.10	0	%100
74	M72	7	73	73	0	%100
75	M73A	X	.10	0	0	%100
76	M73A	7	1 081	1 081	0	%100
77	M76A	×	0	0	0	%100
70	MZ6A	7	3.065	3.065	0	%100
70	M77B	×	0	0	0	%100
20	M77P	7	71	71	0	%100
00	MOOD		./ 1	./ 1	0	%100 %100
01	IVIO2D M92D	7	2 201	2 201	0	9/ 100
02			3.201	3.201	0	%100
04	IVI83D M93D	7	1.079	1 079	0	%100
04	IVIO3D		1.070	1.070	0	%100 9/ 100
80	ACGIN	<u> </u>	0	0	0	%100
80	N85A		1.11	1.11	0	%100
8/	N87	X 7	0	0	0	%100
88	<u>N87</u>		3.201	3.201	0	%100
89	M88A	X 7	0	0	0	%100
90	N88A		4.311	4.311	0	%100
91	<u>M90</u>	X	0	0	0	%100
92	<u>M90</u>	Ζ	4.44	4.44	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Ζ	2.701	2.701	0	%100
95	MP1B	<u> </u>	0	0	0	%100
96	MP1B	<u> </u>	2.701	2.701	0	%100
97	M102	<u> </u>	0	0	0	%100
98	M102	Z	3.352	3.352	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	.838	.838	0	%100
101	M111	X	0	0	0	%100
102	M111	Z	.838	.838	0	%100
103	MP3C	<u>X</u>	0	0	0	%100
104	MP3C	Z	2.701	2.701	0	%100
105	MP2C	Х	0	0	0	%100
106	MP2C	Z	2.701	2.701	0	%100
107	MP3B	X	0	0	0	%100
108	MP3B	Z	2.701	2.701	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	2.701	2.701	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.824	.824	0	%100
113	M124	Х	0	0	0	%100
114	M124	Z	3.294	3.294	0	%100
115	M125	Х	0	0	0	%100
116	M125	Z	.824	.824	0	%100

RISA-3D Version 17.0.4

Page 135

#### 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	M20	X	-1.257	-1.257	0	%100
2	M20	Z	2.177	2.177	0	%100
3	M72A	Х	443	443	0	%100
4	M72A	Z	.768	.768	0	%100
5	M73	X	-1 094	-1 094	0	%100
6	M73	7	1 895	1 895	0	%100
7	M74	X	_1.000	_1.00/	0	<u>%100</u>
0	N74	7	1 805	1 205	0	%100
0	<u> </u>		1.090	1.090	0	<u> </u>
9	N75	~ 7	-1.022	-1.022	0	<u> </u>
10	N75		2.01	2.81	0	%100
11	M78	X	-1.179	-1.179	0	<u>%100</u>
12	M78		2.041	2.041	0	<u>%100</u>
13	<u>M79</u>	X	000729	000729	0	<u>%100</u>
14	M79	Z	.001	.001	0	%100
15	M84	X	534	534	0	%100
16	M84	Z	.924	.924	0	%100
17	M85	X	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M87A	Х	0	0	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	X	- 534	- 534	0	%100
22	M89A	7	924	924	0	%100
23	MOOA	X	-1 617	_1 617	0	<u>%100</u>
24	MOOA	7	2.8	28	0	%100
24	MO2		2.0	2.0	0	%100
25	N02	~ 7	-1.000	-1.000	0	<u> </u>
20			2.004	2.004	0	%100
21	MP4A	X	-1.351	-1.351	0	<u>%100</u>
28	MP4A		2.339	2.339	0	<u>%100</u>
29	MP3A	<u>X</u>	-1.351	-1.351	0	<u>%100</u>
30	MP3A	Z	2.339	2.339	0	%100
31	MP2A	X	-1.351	-1.351	0	<u>%100</u>
32	MP2A	Z	2.339	2.339	0	%100
33	MP1A	Х	-1.351	-1.351	0	%100
34	MP1A	Z	2.339	2.339	0	%100
35	OVP	X	-1.111	-1.111	0	%100
36	OVP	Z	1.925	1.925	0	%100
37	M36	Х	-1.257	-1.257	0	%100
38	M36	Z	2,177	2.177	0	%100
39	M37	X	- 443	- 443	0	%100
40	M37	7	768	768	0	%100
41	M38	X	-1 094	-1 094	0	%100
12	M38	7	1 805	1 805	0	%100
42	M20		1.095	1.095	0	%100
43	N120	7	1 905	1 205	0	0/100
44	IVI39		1.090	1.090	0	0/100
45	IVI4U		-1.022	-1.022	U	%100
46	IMI40		2.81	2.81	0	%100
47	M43	X	000729	000729	0	%100
48	M43	Z	.001	.001	0	%100
49	M44	X	-1.179	-1.179	0	%100
50	M44	Z	2.042	2.042	0	%100
51	M49	X	534	534	0	%100
52	M49	Z	.924	.924	0	%100
53	M50	Х	-1.617	-1.617	0	%100
54	M50	Z	2.8	2.8	0	%100
55	M52	X	-1.665	-1 665	0	%100
56	M52	7	2 884	2 884	0	%100
57	M54	×	_ 52/	_ 53/	0	%100
	10104	∧	004	334	U	/0100

[R:\...\...\...\Mount Fix\Rev 0\RISA\468184-VZW\_MT\_LO\_H.r3d]

#### 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,%]
58	M54	Z	.924	.924	0	%100
59	M55	Х	0	0	0	%100
60	M55	Z	0	0	0	%100
61	M57	Х	0	0	0	%100
62	M57	Z	0	0	0	%100
63	MP4C	X	-1.351	-1.351	0	%100
64	MP4C	7	2 339	2 339	0	%100
65	MP1C	X	-1 351	-1 351	0	%100
66	MP1C	7	2 339	2 339	0	%100
67	M69	X	0	0	0	%100
68	M69	7	0	0	0	%100
69	MZO	X	-1 773	-1 773	0	%100
70	MZO	7	3 071	3 071	0	%100
71	M70	X	0	0	0	%100
72	M71	7	0	0	0	%100
73	M72	X	0	0	0	%100
73	M72	7	0	0	0	%100
75	N/72A	×	0	0	0	%100
76	M73A	7	0	0	0	%100
70	M76A	Z V	1 1 2 1	1 101	0	%100
79	MZGA	~ 7	-1.121	-1.121	0	%100
70	M77P		1 1 2 1	1.941	0	<u> </u>
19		~ 7	-1.121	-1.121	0	<u> </u>
00			0.124	2 124	0	<u> </u>
01		7	-2.134	-2.134	0	%100
02			3.090	3.090	0	<u> </u>
03	IVIO3D	7	-1.01/	-1.017	0	%100
84	IVI83B		2.8	2.8	0	<u>%100</u>
80	ACCON	<u> </u>	-1.000	-1.000	0	%100
80	ACON		2.884	2.884	0	%100
87	<u>IVI87</u>	<u> </u>	-2.134	-2.134	0	%100
88	IVI87	<u> </u>	3.090	3.090	0	%100
89	N88A	<u>×</u>	-1.017	-1.617	0	%100
90	N88A		2.8	2.8	0	%100
91	N90	<u> </u>	-1.000	-1.000	0	%100
92	M90	<u> </u>	2.884	2.884	0	%100
93	MP4B	X	-1.351	-1.351	0	%100
94	MP4B	Ζ	2.339	2.339	0	%100
95	MP1B	X 7	-1.351	-1.351	0	%100
96	MP1B	<u> </u>	2.339	2.339	0	%100
97	M102	X	-1.25/	-1.25/	0	%100
98		<u> </u>	2.1//	2.1//	0	%100
99	M107	X	-1.257	-1.257	0	%100
100	M107		2.1//	2.1//	0	%100
101	M111	X	0	0	0	%100
102	M111	<u> </u>	0	0	0	%100
103	MP3C	X	-1.351	-1.351	0	%100
104	MP3C	<u> </u>	2.339	2.339	0	%100
105	MP2C	X	-1.351	-1.351	0	%100
106	MP2C	<u> </u>	2.339	2.339	0	%100
107	MP3B	<u> </u>	-1.351	-1.351	0	%100
108	MP3B		2.339	2.339	0	%100
109	MP2B	X	-1.351	-1.351	0	%100
110	MP2B	Z	2.339	2.339	0	%100
111	M123	<u>X</u>	-1.235	-1.235	0	%100
112	M123	Z	2.14	2.14	0	%100
113	M124	X	-1.235	-1.235	0	%100
114	M124	Z	2.14	2.14	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Fix\Rev 0\RISA\468184-VZW\_MT\_LO\_H.r3d]

Page 136

#### 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,%]
115	M125	Х	0	0	0	%100
116	M125	Z	0	0	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	M20	Х	726	726	0	%100
2	M20	Z	.419	.419	0	%100
3	M72A	Х	-2.303	-2.303	0	%100
4	M72A	Z	1.33	1.33	0	%100
5	M73	Х	632	632	0	%100
6	M73	Z	.365	.365	0	%100
7	M74	X	632	632	0	%100
8	M74	7	365	365	0	%100
9	M75	X	- 937	- 937	0	<u>%100</u> %100
10	M75	7	541	541	0	%100
11	M78	X	-2 655	-2 655	0	<u>%100</u> %100
12	M78	7	1 533	1 533	0	%100
12	M79	X	- 615	- 615	0	<u>%100</u> %100
14	M79	7	355	355	0	%100
15	M94	×	2 772	2 772	0	%100
16	N04	7	-2.112	-2.112	0	<u> </u>
17	N95		022	022	0	<u> </u>
10	IVIOJ MOE	~ 7	933	933	0	0/ 100
10			.039	.039	0	<u>%100</u>
19	IVIO/A	7	901	901	0	%100
20	MOA		.000	.300	0	%100
21	IVIO9A	7	-2.112	-2.112	0	<u> </u>
22	MOOA		2 722	2 722	0	<u> </u>
23	MOOA	~ 7	-3.733	-3.733	0	0/ 100
24	MO2		2.100	2.100	0	<u>%100</u> 9/100
20	N02	~ 7	-3.043	-3.045	0	0/ 100
20			2.22	2.22	0	<u> </u>
21		7	-2.339	-2.339	0	%100
20	MD2A		2 2 2 2 0	2 220	0	%100
20	MD2A	7	1 251	-2.339	0	%100
21	MP2A	×	2 220	2 220	0	%100
32	MD2A	7	1 351	-2.009	0	%100
22		×	2 220	2 220	0	%100
24		7	1 251	-2.559	0	%100
35		X	1.025	1.001	0	%100
36	OVP	7	1 111	1 111	0	%100
37	0	X	2 903	2 003	0	%100
38	M36	7	1.676	-2.903	0	%100
30	M37	X	0	0	0	%100
40	M27	7	0	0	0	%100
40	M29	×	2 5 2 7	2 5 2 7	0	%100
41	M38	7	1 / 50	1 /50	0	%100
42	M39	X	2 527	2 527	0	%100
43	M39	7	1 / 50	1 450	0	%100
44	M40	X	3.746	3 7/6	0	%100
40	M40	7	2 163	2 162	0	%100
40	M/3	X	_ 715	_ 715	0	%100
48	M/3	7	413	413	0	%100
40	MAA	X	_ 715	_ 715	0	%100
50	M44	7	/13	713	0	%100
51	MAQ	×	.+15	0	0	%100
JI	10143	∧	U	U	U	/0100

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

52         M49         Z         0         0         0 $\%10$ 53         M50         X         -933         .933         0 $\%10$ 54         M50         Z         .539         .539         0 $\%10$ 55         M52         X         -961         -961         0 $\%10$ 56         M52         Z         .555         0 $\%10$ 57         M54         X         0         0         0 $\%10$ 59         M55         X        933         .933         0 $\%10$ 61         M57         X        961         .961         0 $\%10$ 62         M57         Z         .555         .555         0 $\%10$ 63         MP4C         X         -2.339         -2.339         0 $\%10$ 64         MP4C         Z         1.351         1.351         0 $\%10$ 65         MP1C         Z         1.33         1.33         0 $\%10$ 66         MP1C         Z         1.33	on[ft,%]
	0
54         M50         Z         .539         .539         0 $\%10$ 55         M52         X        961         .961         0 $\%10$ 56         M52         Z         .555         .555         0 $\%10$ 57         M54         X         0         0         0 $\%10$ 58         M54         Z         0         0         0 $\%10$ 59         M55         X        933        933         0 $\%10$ 61         M57         X        961        961         0 $\%10$ 62         M57         Z         .555         .555         0 $\%10$ 63         MP4C         Z         1.351         1.351         0 $\%10$ 64         M64C         Z         1.351         1.351         0 $\%10$ 65         MP1C         X        2339         -2.339         0 $\%10$ 66         M69         X        726        726         0 $\%10$ 70         M70	0
55         M52         X        961         0 $\%10$ 56         M52         Z         .555         .555         0 $\%10$ 57         M54         X         0         0         0 $\%10$ 58         M54         Z         0         0         0 $\%10$ 60         M55         X        933        933         0 $\%10$ 61         M57         X        961        961         0 $\%10$ 62         M57         Z         .555         .555         0 $\%10$ 63         MP4C         X        2339         -2.339         0 $\%10$ 65         MP1C         X         -2.339         -2.339         0 $\%10$ 66         MP1C         Z         1.351         1.351         0 $\%10$ 67         M69         X        726        726         0 $\%10$ 70         M70         X         -2.303         -2.303         0 $\%10$ 71         M70         X	0
56         M52         Z         .555         .555         0         %10           57         M54         X         0         0         0         0         %10           58         M54         Z         0         0         0         %10           60         M55         Z         .539         .539         0         %10           61         M57         X         .901         .961         0         %10           62         M57         Z         .555         .555         0         %10           63         MP4C         X         .2.339         -2.339         0         %10           64         MP4C         Z         1.351         1.351         0         %10           66         MP1C         Z         1.351         1.351         0         %10           67         M69         X         .726         .726         0         %10           68         M69         Z         .419         .419         0         %10           70         M70         Z         1.33         1.33         0         %10           72         M71         Z	0
57         M54         X         0         0         0         %10           58         M54         Z         0         0         0         %10           60         M55         X         -933         -933         0         %10           61         M57         X         -961         -961         0         %10           62         M57         Z         555         555         0         %10           63         MP4C         X         -2.339         -2.339         0         %10           64         MP4C         Z         1.351         1.351         0         %10           65         MP1C         X         -2.339         -2.339         0         %610           66         MP1C         Z         1.351         1.351         0         %10           68         M69         Z         .419         .419         .0         %10           72         M70         Z         2.303         2.303         0         %10           71         M71         X         -632         -632         0         %10           73         M72         X	0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0
	0
61         M57         X $961$ $961$ $0$ $%10$ $62$ M57         Z         .555         .555         0 $%10$ $63$ MP4C         X $-2.339$ $0$ $%10$ $64$ MP4C         Z         1.351         1.351         0 $%10$ $66$ MP1C         X $-2.339$ $-2.339$ 0 $%10$ $66$ MP1C         Z         1.351         1.351         0 $%10$ $66$ MP1C         Z         1.351         1.351         0 $%10$ $67$ M69         X $726$ $726$ 0 $%10$ $68$ M69         Z         .419         .419         0 $%10$ $70$ M70         Z         1.33         1.33         0 $%10$ $71$ M71         Z         .365         .365         0 $%10$ $71$ M74         X $632$ $632$ 0 $%10$	0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0
64         MP4C         Z         1.351         0         %10           65         MP1C         X         -2.339         0         %10           66         MP1C         Z         1.351         1.351         0         %10           67         M69         X        726        726         0         %10           68         M69         Z         .419         .419         0         %10           69         M70         X         -2.303         -2.303         0         %10           70         M70         Z         1.33         1.33         0         %10           71         M71         X        632         .632         0         %10           72         M71         Z         .365         .365         0         %10           73         M72         X        632         .632         0         %10           74         M72         Z         .365         .365         0         %10           75         M73A         Z         .541         .541         0         %10           76         M73A         Z         .533         1.533 <td>0</td>	0
66         MP1C         X $-2.339$ $-2.339$ $0$ $%10$ $66$ MP1C         Z $1.351$ $1.351$ $0$ $%10$ $67$ M69         X $726$ $726$ $0$ $%10$ $68$ M69         Z $.419$ $.419$ $0$ $%10$ $69$ M70         X $-2.303$ $-2.303$ $0$ $%10$ $70$ M70         Z $1.33$ $1.33$ $0$ $%10$ $71$ M71         X $-6.632$ $-6.32$ $0$ $%10$ $72$ M71         Z $.365$ $.365$ $0$ $%10$ $74$ M72         Z $.365$ $.365$ $0$ $%10$ $74$ M72         Z $.365$ $.365$ $0$ $%10$ $75$ M73A         X $937$ $0$ $%10$ $76$ M73A         Z $.541$ $.541$ $0$	0
66         MP1C         Z         1.351         1.351         0         %10 $67$ M69         X        726         .726         0         %10 $68$ M69         Z         .419         .419         0         %10 $69$ M70         X         -2.303         .2.303         0         %10 $70$ M70         Z         1.33         1.33         0         %10 $70$ M70         Z         1.33         1.33         0         %10 $71$ M71         Z         .662         .652         0         %10 $72$ M71         Z         .6632         .6632         0         %10 $74$ M72         Z         .365         .365         0         %10 $74$ M72         Z         .365         .365         0         %10 $75$ M73A         Z         .541         .541         0         %10 $76$ M73A         Z         .555         .2655         0         %10 $76$ M73A <td>0</td>	0
67         M69         X $726$ $726$ $0.726$ $0.726$ $0.726$ $0.726$ $0.726$ $0.726$ $0.726$ $0.726$ $0.726$ $0.726$ $0.726$ $0.733$ $0.96100$ $0.96100$ $0.96100$ $0.96100$ $0.96100$ $0.961000$ $0.961000$ $0.96100000000$ $0.96100000000000000000000000000000000000$	0
68         M69         Z         A19         A19         A19         0         M10 $69$ M70         X         -2.303         -2.303         0         %10 $70$ M70         Z         1.33         1.33         0         %10 $71$ M71         X         -632         -632         0         %10 $71$ M71         Z         3.65         3.65         0         %10 $72$ M71         Z         3.65         3.65         0         %10 $73$ M72         X         -6.32         -6.32         0         %10 $74$ M72         Z         3.65         3.65         0         %10 $75$ M73A         X        937         .937         0         %10 $76$ M73A         Z         .541         .541         0         %10 $77$ M76A         X        614        614         0         %10 $79$ M77B         Z         1.533         1.533         0         %10           81	0
$10^{-1}$ $110^{-1}$ $110^{-1}$ $0^{-1}$	0
TO         MTO         Z         1.33         1.33         0         %10           70         M70         Z         1.33         1.33         0         %10           71         M71         X        632        632         0         %10           72         M71         Z         .365         .365         0         %10           73         M72         X        632        632         0         %10           74         M72         Z         .3855         .365         0         %10           75         M73A         X        937        937         0         %10           76         M76A         X        614         .614         0         %10           77         M76A         Z         .355         .0         %10           78         M76A         Z         .355         .2655         -0         %10           80         M77B         Z         1.533         1.533         0         %10           81         M82B         X         -2.772         -2.772         0         %10           82         M82B         Z         1.15	0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0
1         10         10         10         100	0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0
1.7 $M12$ $2$ $1.005$ $1.005$ $0$ $7010$ $75$ $M73A$ $X$ $937$ $0$ $910$ $76$ $M73A$ $Z$ $.541$ $.541$ $0$ $910$ $77$ $M76A$ $X$ $614$ $614$ $0$ $910$ $78$ $M76A$ $Z$ $.355$ $.355$ $0$ $910$ $79$ $M77B$ $X$ $-2.655$ $-2.655$ $0$ $910$ $80$ $M77B$ $Z$ $1.533$ $1.533$ $0$ $910$ $81$ $M82B$ $X$ $-2.772$ $-2.772$ $0$ $910$ $82$ $M82B$ $X$ $-3.733$ $-3.733$ $0$ $910$ $83$ $M83B$ $X$ $-3.733$ $-3.733$ $0$ $910$ $84$ $M83B$ $Z$ $2.155$ $0$ $910$ $86$ $M85A$ $Z$ $2.222$	0
76 $M73A$ $Z$ $.561$ $.561$ $0$ $700$ $77$ $M76A$ $X$ $614$ $.541$ $0$ $%10$ $78$ $M76A$ $Z$ $.355$ $.355$ $0$ $%10$ $79$ $M77B$ $X$ $-2.655$ $-2.655$ $0$ $%10$ $80$ $M77B$ $Z$ $1.533$ $1.533$ $0$ $%10$ $81$ $M82B$ $X$ $-2.772$ $-2.772$ $0$ $%10$ $82$ $M82B$ $Z$ $1.601$ $1.601$ $0$ $%10$ $83$ $M83B$ $X$ $-3.733$ $-3.733$ $0$ $%10$ $84$ $M83B$ $Z$ $2.155$ $2.155$ $0$ $%10$ $86$ $M85A$ $X$ $-3.845$ $0$ $%10$ $86$ $M87$ $Z$ $2.222$ $2.22$ $0$ $%10$ $87$ $M87$ $X$ $-2.772$ $-2.772$ $0$ $%10$ $86$ $M85A$ $Z$ $2.233$ $0$ $%10$ $89$ $M88A$ $X$ $-9.33$ $0$ $%10$ $90$ $M88A$ $Z$ $.539$ $.539$ $0$ $%10$ $91$ $M90$ $X$ $-961$ $-961$ $0$ $%10$ $92$ $M90$ $Z$ $.555$ $.555$ $0$ $%10$	0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0
H         H	0
No.         Z	0
10         101110         X         -2.033         -2.033         0         %10           80         M77B         Z         1.533         1.533         0         %10           81         M82B         X         -2.772         -2.772         0         %10           82         M82B         Z         1.601         1.601         0         %10           83         M83B         X         -3.733         -3.733         0         %10           84         M83B         Z         2.155         2.155         0         %10           85         M85A         X         -3.733         -3.733         0         %10           86         M85A         Z         2.155         0         %10           87         M87         X         -2.772         -2.772         0         %10           88         M87         Z         1.601         1.601         0         %10           89         M88A         X        933        933         0         %10           90         M88A         Z         .539         .539         0         %10           91         M90         X <td>0</td>	0
Image: Normal State         Z         1.333         1.333         0         %10           81         M82B         X         -2.772         -2.772         0         %10           82         M82B         Z         1.601         1.601         0         %10           83         M83B         X         -3.733         -3.733         0         %10           84         M83B         Z         2.155         2.155         0         %10           85         M85A         X         -3.733         -3.733         0         %10           86         M85A         X         -3.845         -3.845         0         %10           86         M85A         Z         2.22         2.22         0         %10           87         M87         X         -2.772         -2.772         0         %10           88         M87         Z         1.601         1.601         0         %10           90         M88A         X         -933        933         0         %10           91         M90         X        961        961         0         %10           92         M90	0
01 $102D$ $X$ $-2.112$ $-2.112$ $0$ $7010$ 82M82BZ1.6011.6010%1083M83BX $-3.733$ $-3.733$ 0%1084M83BZ2.1552.1550%1085M85AX $-3.845$ $-3.845$ 0%1086M85AZ2.222.220%1087M87X $-2.772$ $-2.772$ 0%1088M87Z1.6011.6010%1090M88AX $933$ $933$ 0%1091M90X $961$ $961$ 0%1093MP4BX $-2.339$ $-2.339$ 0%10	0
02         10020         2         1.001         1.001         0         %10           83         M83B         X         -3.733         -3.733         0         %10           84         M83B         Z         2.155         2.155         0         %10           85         M85A         X         -3.845         -3.845         0         %10           86         M85A         Z         2.22         2.22         0         %10           87         M87         X         -2.772         -2.772         0         %10           88         M87         Z         1.601         1.601         0         %10           90         M88A         X        933        933         0         %10           91         M90         X        961        961         0         %10           92         M90         Z         .555         .555         0         %10           93         MP4B         X         -2.339         -2.339         0         %10	0
03         1003D         X         -5.733         -5.733         0         %10           84         M83B         Z         2.155         2.155         0         %10           85         M85A         X         -3.845         -3.845         0         %10           86         M85A         Z         2.22         2.22         0         %10           87         M87         X         -2.772         -2.772         0         %10           88         M87         Z         1.601         1.601         0         %10           90         M88A         X        933        933         0         %10           91         M90         X        961        961         0         %10           92         M90         Z         .555         .555         0         %10           93         MP4B         X         -2.339         -2.339         0         %10	0
04         1003D         Z         2.133         0         %10           85         M85A         X         -3.845         -3.845         0         %10           86         M85A         Z         2.22         2.22         0         %10           87         M87         X         -2.772         -2.772         0         %10           88         M87         Z         1.601         1.601         0         %10           89         M88A         X        933        933         0         %10           90         M88A         Z         .539         .539         0         %10           91         M90         X        961        961         0         %10           92         M90         Z         .555         .555         0         %10           93         MP4B         X         -2.339         -2.339         0         %10	0
00         M00A         A         -0.045         -5.045         0         %10           86         M85A         Z         2.22         2.22         0         %10           87         M87         X         -2.772         -2.772         0         %10           88         M87         Z         1.601         1.601         0         %10           89         M88A         X        933        933         0         %10           90         M88A         Z         .539         .539         0         %10           91         M90         X        961        961         0         %10           92         M90         Z         .555         .555         0         %10           93         MP4B         X         -2.339         -2.339         0         %10	0
00         M05A         Z         Z.ZZ         Z.ZZ         0         %10           87         M87         X         -2.772         -2.772         0         %10           88         M87         Z         1.601         1.601         0         %10           89         M88A         X        933        933         0         %10           90         M88A         Z         .539         .539         0         %10           91         M90         X        961        961         0         %10           92         M90         Z         .555         .555         0         %10           93         MP4B         X         -2.339         -2.339         0         %10	0
or         mor         x         -2.112         -2.112         0         %10           88         M87         Z         1.601         1.601         0         %10           89         M88A         X        933        933         0         %10           90         M88A         Z         .539         .539         0         %10           91         M90         X        961        961         0         %10           92         M90         Z         .555         .555         0         %10           93         MP4B         X         -2.339         -2.339         0         %10	0
00         1007         2         1.001         1.001         0         %10           89         M88A         X        933        933         0         %10           90         M88A         Z         .539         .539         0         %10           91         M90         X        961        961         0         %10           92         M90         Z         .555         .555         0         %10           93         MP4B         X         -2.339         -2.339         0         %10	0
og         MIGOA         X        933        933         0         %10           90         M88A         Z         .539         .539         0         %10           91         M90         X        961        961         0         %10           92         M90         Z         .555         .555         0         %10           93         MP4B         X         -2.339         -2.339         0         %10	0
90         1000A         2         .539         .539         0         %10           91         M90         X        961        961         0         %10           92         M90         Z         .555         .555         0         %10           93         MP4B         X         -2.339         -2.339         0         %10	0
91         M90         X        961         0         %10           92         M90         Z         .555         .555         0         %10           93         MP4B         X         -2.339         -2.339         0         %10	0
<u>92 M90 Z .555 0 %10</u> 93 MP4B X -2.339 -2.339 0 %10	0
<u>- 93   MP4B   X   -2.339   -2.339   0   %10</u>	0
	0
<u>94 MP4B Z 1.351 0 %10</u>	0
<u>95 MP1B X -2.339 -2.339 0 %10</u>	0
<u>96 MP1B Z 1.351 0 %10</u>	0
<u>97 M102 X726 0 %10</u>	0
<u>98 M102 Z .419 .419 0 %10</u>	0
<u>99 M107 X -2.903 0 %10</u>	0
100 M107 Z 1.676 1.676 0 %10	0
101 M111 X726726 0 %10	0
102 M111 Z .419 .419 0 %10	0
103 MP3C X -2.339 -2.339 0 %10	0
104 MP3C Z 1.351 1.351 0 %10	0
105 MP2C X -2.339 -2.339 0 %10	0
106 MP2C Z 1.351 1.351 0 %10	0
107 MP3B X -2.339 -2.339 0 %10	0
108 MP3B Z 1.351 1.351 0 %10	0

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Fix\Rev 0\RISA\468184-VZW\_MT\_LO\_H.r3d]

Page 139

#### 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,%]
109	MP2B	X	-2.339	-2.339	0	%100
110	MP2B	Z	1.351	1.351	0	%100
111	M123	Х	-2.853	-2.853	0	%100
112	M123	Z	1.647	1.647	0	%100
113	M124	Х	713	713	0	%100
114	M124	Z	.412	.412	0	%100
115	M125	Х	713	713	0	%100
116	M125	Z	.412	.412	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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M72A	X	-3.546	-3.546	0	%100
4	M72A	Z	0	0	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	0	0	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	0	0	0	%100
9	M75	X	0	0	0	%100
10	M75	Z	0	0	0	%100
11	M78	X	-2.241	-2.241	0	%100
12	M78	Z	0	0	0	%100
13	M79	X	-2.242	-2.242	0	%100
14	M79	Z	0	0	0	%100
15	M84	X	-4.268	-4.268	0	%100
16	M84	Z	0	0	0	%100
17	M85	X	-3.233	-3.233	0	%100
18	M85	Z	0	0	0	%100
19	M87A	X	-3.33	-3.33	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	X	-4.268	-4.268	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	X	-3.233	-3.233	0	%100
24	M90A	Z	0	0	0	%100
25	M92	X	-3.33	-3.33	0	%100
26	M92	Z	0	0	0	%100
27	MP4A	X	-2.701	-2.701	0	%100
28	MP4A	Z	0	0	0	%100
29	MP3A	X	-2.701	-2.701	0	%100
30	MP3A	Z	0	0	0	%100
31	MP2A	X	-2.701	-2.701	0	%100
32	MP2A	Z	0	0	0	%100
33	MP1A	X	-2.701	-2.701	0	%100
34	MP1A	Z	0	0	0	%100
35	OVP	X	-2.222	-2.222	0	%100
36	OVP	Z	0	0	0	%100
37	M36	X	-2.514	-2.514	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	887	887	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	-2.189	-2.189	0	%100
42	M38	Z	0	0	0	%100
43	M39	X	-2.189	-2.189	0	%100
44	M39	Z	0	0	0	%100
45	M40	X	-3.244	-3.244	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,%]
46	M40	Z	0	0	0	%100
47	M43	Х	-2.357	-2.357	0	%100
48	M43	Z	0	0	0	%100
49	M44	Х	001	001	0	%100
50	M44	Z	0	0	0	%100
51	M49	X	-1.067	-1.067	0	%100
52	M49	7	0	0	0	%100
53	M50	X	0	0	0	%100
54	M50	7	0	0	0	%100
55	M52	X	0	0	0	%100
56	M52	7	0	0	0	%100
57	M54	X	-1.067	-1.067	0	%100
58	M54	7	0	0	0	%100
59	M55	X	-3 233	-3 233	0	<u> </u>
60	M55	7	0.200	0	0	%100
61	M53	X	3 33	3 33	0	%100
62	M57	7	-5.55	-5.55	0	%100
62	MD4C	Z V	2 701	2 701	0	%100
64	MD4C	7	-2.701	-2.701	0	%100
65	MP1C	Z V	2 701	2 701	0	%100
66	MP10	~ 7	-2.701	-2.701	0	%100
67	MEO		2.514	2.514	0	<u> </u>
60	N09	~ 7	-2.514	-2.514	0	<u> </u>
60	<u> </u>		007	007	0	<u> </u>
70	M70	7	007	007	0	%100
70	<u>IVI70</u>		0 100	0	0	<u> </u>
70		~ 7	-2.109	-2.109	0	%100
72	M70		0 100	0	0	%100
73	<u>IVI72</u>	<u> </u>	-2.189	-2.189	0	%100
74	<u>IVI72</u>		0	0	0	%100
75	<u>IVI73A</u>	<u> </u>	-3.244	-3.244	0	%100
70	IVI73A	<u> </u>	001	0	0	%100
70		<u> </u>	001	001	0	%100
70			0 0 0 0 0	0	0	<u>%100</u>
79		<u> </u>	-2.308	-2.358	0	%100
80	MI//B	<u> </u>	0	0	0	%100
81	N82B	<u>×</u>	-1.067	-1.067	0	%100
82	M82B		0	0	0	%100
83	<u>M83B</u>	X	-3.233	-3.233	0	%100
84	M83B	Ζ	0	0	0	%100
85	M85A	X	-3.33	-3.33	0	%100
86	IVI85A	Ζ	0	0	0	%100
87	M8/	X	-1.067	-1.067	0	%100
88	<u>M87</u>	<u> </u>	0	0	0	%100
89	<u>M88A</u>	X	0	0	0	%100
90	<u>M88A</u>		0	0	0	%100
91	M90	<u> </u>	0	0	0	%100
92	M90	Z	0	0	0	%100
93	MP4B	<u> </u>	-2.701	-2.701	0	%100
94	MP4B	Z	0	0	0	%100
95	MP1B	X	-2.701	-2.701	0	%100
96	MP1B	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M107	Х	-2.514	-2.514	0	%100
100	M107	Z	0	0	0	%100
101	<u>M111</u>	X	-2.514	-2.514	0	%100
102	M111	Z	0	0	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Fix\Rev 0\RISA\468184-VZW\_MT\_LO\_H.r3d]

Page 140

Page 141

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft E	Start Location[ft %]	End Location[ft %]
103	MP3C	X	-2.701	-2.701	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	Х	-2.701	-2.701	0	%100
106	MP2C	Z	0	0	0	%100
107	MP3B	Х	-2.701	-2.701	0	%100
108	MP3B	Z	0	0	0	%100
109	MP2B	Х	-2.701	-2.701	0	%100
110	MP2B	Z	0	0	0	%100
111	M123	Х	-2.471	-2.471	0	%100
112	M123	Z	0	0	0	%100
113	M124	Х	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-2.471	-2.471	0	%100
116	M125	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	M20	Х	726	726	0	%100
2	M20	Z	419	419	0	%100
3	M72A	Х	-2.303	-2.303	0	%100
4	M72A	Z	-1.33	-1.33	0	%100
5	M73	Х	632	632	0	%100
6	M73	Z	365	365	0	%100
7	M74	Х	632	632	0	%100
8	M74	Z	365	365	0	%100
9	M75	Х	937	937	0	%100
10	M75	Z	541	541	0	%100
11	M78	Х	614	614	0	%100
12	M78	Z	355	355	0	%100
13	M79	Х	-2.655	-2.655	0	%100
14	M79	Z	-1.533	-1.533	0	%100
15	M84	Х	-2.772	-2.772	0	%100
16	M84	Z	-1.601	-1.601	0	%100
17	M85	Х	-3.733	-3.733	0	%100
18	M85	Z	-2.155	-2.155	0	%100
19	M87A	Х	-3.845	-3.845	0	%100
20	M87A	Z	-2.22	-2.22	0	%100
21	M89A	Х	-2.772	-2.772	0	%100
22	M89A	Z	-1.601	-1.601	0	%100
23	M90A	Х	933	933	0	%100
24	M90A	Z	539	539	0	%100
25	M92	Х	961	961	0	%100
26	M92	Z	555	555	0	%100
27	MP4A	Х	-2.339	-2.339	0	%100
28	MP4A	Z	-1.351	-1.351	0	%100
29	MP3A	Х	-2.339	-2.339	0	%100
30	MP3A	Z	-1.351	-1.351	0	%100
31	MP2A	Х	-2.339	-2.339	0	%100
32	MP2A	Z	-1.351	-1.351	0	%100
33	MP1A	Х	-2.339	-2.339	0	%100
34	MP1A	Z	-1.351	-1.351	0	%100
35	OVP	Х	-1.925	-1.925	0	%100
36	OVP	Z	-1.111	-1.111	0	%100
37	M36	Х	726	726	0	%100
38	M36	Z	419	419	0	%100
39	M37	Х	-2.303	-2.303	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,%]
40	M37	Z	-1.33	-1.33	0	%100
41	M38	Х	632	632	0	%100
42	M38	Z	365	365	0	%100
43	M39	X	632	632	0	%100
44	M39	Z	365	365	0	%100
45	M40	Х	937	937	0	%100
46	M40	Z	541	541	0	%100
47	M43	Х	-2.655	-2.655	0	%100
48	M43	Z	-1.533	-1.533	0	%100
49	M44	Х	615	615	0	%100
50	M44	Z	355	355	0	%100
51	M49	Х	-2.772	-2.772	0	%100
52	M49	Z	-1.601	-1.601	0	%100
53	M50	X	933	933	0	%100
54	M50	Z	539	539	0	%100
55	M52	X	- 961	961	0	%100
56	M52	Z	555	555	0	%100
57	M54	X	-2,772	-2.772	0	%100
58	M54	7	-1.601	-1.601	0	%100
59	M55	X	-3 733	-3 733	0	%100
60	M55	7	-2 155	-2 155	0	%100
61	M60	X	-3.845	-3.845	0	<u>%100</u>
62	M57	7	_2 22	_2 22	0	%100
63	MP4C	X	_2 330	_2 330	0	<u> </u>
64	MP4C	7	-2.339	1 351	0	%100
65	MP1C	X	2 3 3 0	2 330	0	%100
66	MP1C	7	1 351	1 351	0	%100
67			-1.331	-1.331	0	<u> </u>
68	N09	7	-2.903	-2.903	0	%100
60	N09		-1.070	-1.070	0	<u> </u>
70	N70	~ 7	0	0	0	9/ 100
70	<u>N70</u>		2 5 2 7	0	0	<u> </u>
70		~ 7	-2.327	-2.527	0	<u> </u>
72	N72		-1.409	-1.409	0	<u> </u>
73	N172	~ 7	-2.327	-2.327	0	%100
74			-1.409	-1.409	0	%100
75	M73A	<u>×</u>	-3.740	-3.740	0	%100
76	M73A	Ζ	-2.103	-2.163	0	%100
11	M76A	X 7	/15	/15	0	%100
78	M76A		413	413	0	%100
79	M//B	X	/15	/15	0	%100
80	M//B	<u> </u>	413	413	0	%100
81	<u>M82B</u>	<u> </u>	0	0	0	%100
82	M82B	Z	0	0	0	%100
83	M83B	<u> </u>	933	933	0	%100
84	M83B	Z	539	539	0	%100
85	M85A	X	961	961	0	%100
86	M85A	Z	555	555	0	%100
87	M87	Х	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88A	X	933	933	0	%100
90	M88A	Z	539	539	0	%100
91	M90	X	961	961	0	%100
92	M90	Z	555	555	0	%100
93	MP4B	Х	-2.339	-2.339	0	%100
94	MP4B	Z	-1.351	-1.351	0	%100
95	MP1B	X	-2.339	-2.339	0	%100
96	MP1B	Z	-1.351	-1.351	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,%]
97	M102	Х	726	726	0	%100
98	M102	Z	419	419	0	%100
99	M107	Х	726	726	0	%100
100	M107	Z	419	419	0	%100
101	M111	Х	-2.903	-2.903	0	%100
102	M111	Z	-1.676	-1.676	0	%100
103	MP3C	Х	-2.339	-2.339	0	%100
104	MP3C	Z	-1.351	-1.351	0	%100
105	MP2C	Х	-2.339	-2.339	0	%100
106	MP2C	Z	-1.351	-1.351	0	%100
107	MP3B	Х	-2.339	-2.339	0	%100
108	MP3B	Z	-1.351	-1.351	0	%100
109	MP2B	Х	-2.339	-2.339	0	%100
110	MP2B	Z	-1.351	-1.351	0	%100
111	M123	Х	713	713	0	%100
112	M123	Z	412	412	0	%100
113	M124	Х	713	713	0	%100
114	M124	Z	412	412	0	%100
115	M125	X	-2.853	-2.853	0	%100
116	M125	Z	-1.647	-1.647	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	M20	Х	-1.257	-1.257	0	%100
2	M20	Z	-2.177	-2.177	0	%100
3	M72A	Х	443	443	0	%100
4	M72A	Z	768	768	0	%100
5	M73	Х	-1.094	-1.094	0	%100
6	M73	Z	-1.895	-1.895	0	%100
7	M74	Х	-1.094	-1.094	0	%100
8	M74	Z	-1.895	-1.895	0	%100
9	M75	Х	-1.622	-1.622	0	%100
10	M75	Z	-2.81	-2.81	0	%100
11	M78	Х	000729	000729	0	%100
12	M78	Z	001	001	0	%100
13	M79	Х	-1.179	-1.179	0	%100
14	M79	Z	-2.042	-2.042	0	%100
15	M84	Х	534	534	0	%100
16	M84	Z	924	924	0	%100
17	M85	Х	-1.617	-1.617	0	%100
18	M85	Z	-2.8	-2.8	0	%100
19	M87A	Х	-1.665	-1.665	0	%100
20	M87A	Z	-2.884	-2.884	0	%100
21	M89A	Х	534	534	0	%100
22	M89A	Z	924	924	0	%100
23	M90A	Х	0	0	0	%100
24	M90A	Z	0	0	0	%100
25	M92	Х	0	0	0	%100
26	M92	Z	0	0	0	%100
27	MP4A	Х	-1.351	-1.351	0	%100
28	MP4A	Z	-2.339	-2.339	0	%100
29	MP3A	Х	-1.351	-1.351	0	%100
30	MP3A	Z	-2.339	-2.339	0	%100
31	MP2A	Х	-1.351	-1.351	0	%100
32	MP2A	Z	-2.339	-2.339	0	%100
33	MP1A	Х	-1.351	-1.351	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,%]
	34	MP1A	Z	-2.339	-2.339	0	%100
	35	OVP	X	-1.111	-1.111	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	36	OVP	Z	-1.925	-1.925	0	%100
	37	M36	Х	0	0	0	%100
	38	M36	Z	0	0	0	%100
	39	M37	Х	-1.773	-1.773	0	%100
	40	M37	Z	-3.071	-3.071	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	41	M38	Х	0	0	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	42	M38	Z	0	0	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	43	M39	Х	0	0	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	44	M39	Z	0	0	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	45	M40	X	0	0	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	46	M40	7	0	0	Ő	%100
48         M43         Z         -1.941         -1.941         0 $\$100$ 49         M44         X         -1.121         -1.121         0 $\$100$ 50         M44         Z         -1.941         1.941         0 $\$100$ 51         M49         X         -2.134         -2.134         0 $\$100$ 52         M49         Z         -3.696         -3.696         0 $\$100$ 53         M50         X         -1.617         -1.617         0 $\$100$ 54         M52         X         -1.665         -1.665         0 $\$100$ 56         M52         X         -1.617         -0 $\$100$ $58$ 57         M54         X         -2.134         -2.84         0 $\$100$ 59         M55         X         -1.617         -0 $\$100$ $61$ 61         M57         Z         -2.84         -2.84         0 $\$100$ 62         M57         Z         -2.339         0 $\$100$ $6100$	47	M43	X	-1.121	-1.121	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	48	M43	7	-1 941	-1 941	0	%100
	49	M44	X	-1 121	-1 121	0	%100
51         M49         X         -2.134         -2.134         0         %100           52         M49         Z         -3.696         -3.696         0         %100           53         M50         X         -1.617         1.617         0         %100           54         M50         Z         -2.8         -2.8         0         %100           55         M52         Z         -1.665         0         %100           56         M52         Z         -2.884         -2.84         0         %100           58         M54         Z         -3.696         -3.696         0         %100           59         M55         X         -1.617         -1.617         0         %100           61         M57         Z         -2.8         -2.8         0         %100           62         M57         Z         -2.884         -2.884         0         %100           64         MP4C         X         -1.351         -1.351         0         %100           65         MP1C         X         -1.257         -1.257         0         %100           66         MP1C	50	M44	7	-1.941	-1.941	0	%100
52 $M49$ $Z$ $-3.696$ $-3.696$ $0$ $%100$ $53$ M50         X $-1.617$ $-1.617$ $0$ $%100$ $54$ M50         Z $-2.8$ $-2.8$ $0$ $%100$ $55$ M52         X $-1.665$ $-1.665$ $0$ $%100$ $56$ M52         Z $-2.844$ $-2.844$ $0$ $%100$ $57$ M54         X $-2.134$ $0$ $%100$ $59$ M55         X $-1.617$ $0$ $%100$ $60$ M57         X $-1.665$ $0$ $%100$ $61$ M57         X $-1.665$ $-1.645$ $0$ $%100$ $62$ M57         Z $-2.884$ $-2.884$ $0$ $%100$ $64$ MP4C         Z $-2.339$ $2.339$ $0$ $%100$ $65$ MP1C         X $-1.257$ $0$ $%100$ $%100$ </td <td>51</td> <td>M49</td> <td>X</td> <td>-2 134</td> <td>-2 134</td> <td>0</td> <td>%100</td>	51	M49	X	-2 134	-2 134	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	52	M49	7	-3 696	-3 696	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	53	M50	X	-1 617	-1 617	0	%100
$35$ $M52$ $\chi$ $-1.665$ $-1.665$ $0$ $\%100$ $56$ M52         Z $-2.884$ $-2.844$ $0$ $\%100$ $57$ M54         X $-2.134$ $0$ $\%100$ $58$ M54         Z $-3.696$ $-3.696$ $0$ $\%100$ $59$ M55         X $-1.617$ $-1.617$ $0$ $\%100$ $60$ M55         Z $-2.8$ $-2.8$ $0$ $\%100$ $61$ M57         X $-1.665$ $-1.665$ $0$ $\%100$ $63$ MP4C         X $-1.351$ $-1.351$ $0$ $\%100$ $64$ MP4C         Z $-2.339$ $-2.339$ $0$ $\%100$ $66$ MP1C         Z $-2.339$ $-2.339$ $0$ $\%100$ $67$ M69         Z $-2.177$ $-2.177$ $0$ $\%100$ $68$ M69         Z $-2.177$ <t< td=""><td>54</td><td>M50</td><td>7</td><td>-2.8</td><td>-2.8</td><td>0</td><td>%100</td></t<>	54	M50	7	-2.8	-2.8	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	55	M52	×	-1 665	-1 665	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	56	M52	7	-2.88/	-2.88/	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	57	M54	X	-2.004	-2.004	0	<u>%100</u>
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	58	M54	7	3 606	3.606	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	50	M55	Z V	-5.090	1 617	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	60	N55	7	-1.017	-1.017	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	61	N53		-2.0	-2.0	0	<u> </u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	62		7	-1.000	-1.000	0	<u> </u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	62			-2.004	-2.004	0	<u>%100</u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	64		7	-1.301	-1.001	0	<u> </u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	04	MP4C		-2.339	-2.339	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	00	MP1C	~ 7	-1.301	-1.301	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	00			-2.339	-2.339	0	%100
66M69Z $-2.177$ $-2.177$ $0$ $700$ $69$ M70X $443$ $443$ $0$ $%100$ $70$ M70Z $768$ $768$ $0$ $%100$ $71$ M71X $-1.094$ $0$ $%100$ $72$ M71Z $-1.895$ $-1.895$ $0$ $%100$ $73$ M72X $-1.094$ $0$ $%100$ $74$ M72Z $-1.895$ $-1.895$ $0$ $%100$ $76$ M73AX $-1.622$ $-1.622$ $0$ $%100$ $76$ M73AZ $-2.81$ $-2.81$ $0$ $%100$ $78$ M76AZ $-2.041$ $0$ $%100$ $79$ M77BX $-0.00729$ $-0.00729$ $0$ $%100$ $80$ M77BZ $924$ $534$ $0$ $%100$ $81$ M82BX $534$ $534$ $0$ $%100$ $84$ M83BZ $0$ $0$ $0$ $%100$ $86$ M85AZ $0$ $0$ $0$ $%100$ $86$ M87Z $924$ $924$ $0$ $%100$ $89$ M88AX $-1.617$ $0$ $%100$ $89$ M88AZ $-2.8$ $-2.8$ $0$ $%100$	07	N09	<u> </u>	-1.207	-1.207	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	68	M169	<u> </u>	-2.1//	-2.177	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	69	M70	<u>×</u>	443	443	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	70	M70	<u> </u>	/68	/68	0	<u>%100</u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	/1	M/1	X	-1.094	-1.094	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	72	IVI/1	Z	-1.895	-1.895	0	%100
/4M/2Z-1.895-1.8950%10075M73AX-1.622-1.6220%10076M73AZ-2.81-2.810%10077M76AX-1.179-1.1790%10078M76AZ-2.041-2.0410%10079M77BX0007290007290%10080M77BZ0010010%10081M82BX5345340%10082M82BZ9249240%10083M83BX000%10084M83BZ000%10085M85AX000%10086M85AZ000%10088M87Z9249240%10089M88AX-1.617-1.6170%10090M88AZ-2.8-2.80%100	73	M/2	X	-1.094	-1.094	0	%100
/5         M/3A         X         -1.622         -1.622         0         %100           76         M73A         Z         -2.81         -2.81         0         %100           77         M76A         X         -1.179         -1.179         0         %100           78         M76A         Z         -2.041         -2.041         0         %100           79         M77B         X        000729        000729         0         %100           80         M77B         Z        001         -001         0         %100           81         M82B         X        534        534         0         %100           82         M82B         Z        924         0.924         0         %100           83         M83B         X         0         0         0         %100           84         M83B         Z         0         0         0         %100           85         M85A         X         0         0         0         %100           86         M877         X        534        534         0         %100           89         M88A	/4	M/2		-1.895	-1.895	0	%100
76M/3AZ-2.81-2.810%10077M76AX-1.1790%10078M76AZ-2.041-2.0410%10079M77BX0007290007290%10080M77BZ0010010%10081M82BX5345340%10082M82BZ9249240%10083M83BX000%10084M83BZ000%10085M85AX000%10086M85AZ5345340%10088M87Z000%10089M88AX-1.617-1.6170%10090M88AZ-2.8-2.80%100	75	<u>M/3A</u>	X	-1.622	-1.622	0	%100
n $m/6A$ $x$ $-1.1/9$ $-1.179$ $0$ $%100$ $78$ $M76A$ $Z$ $-2.041$ $-2.041$ $0$ $%100$ $79$ $M77B$ $X$ $000729$ $000729$ $0$ $%100$ $80$ $M77B$ $Z$ $001$ $0$ $%100$ $81$ $M82B$ $X$ $534$ $534$ $0$ $%100$ $82$ $M82B$ $Z$ $924$ $924$ $0$ $%100$ $83$ $M83B$ $X$ $0$ $0$ $0$ $%100$ $84$ $M83B$ $Z$ $0$ $0$ $0$ $%100$ $85$ $M85A$ $X$ $0$ $0$ $0$ $%100$ $86$ $M85A$ $Z$ $0$ $0$ $0$ $%100$ $87$ $M87$ $X$ $534$ $534$ $0$ $%100$ $88$ $M87$ $Z$ $924$ $924$ $0$ $%100$ $89$ $M88A$ $X$ $-1.617$ $-1.617$ $0$ $%100$ $90$ $M88A$ $Z$ $-2.8$ $-2.8$ $0$ $%100$	76	M73A		-2.81	-2.81	0	%100
/8M/6A $Z$ $-2.041$ $-2.041$ 0%10079M77BX $000729$ $000729$ 0%10080M77BZ $001$ $001$ 0%10081M82BX $534$ $534$ 0%10082M82BZ $924$ $924$ 0%10083M83BX000%10084M83BZ000%10085M85AX000%10086M85AZ000%10087M87X $534$ $534$ 0%10088M87Z $924$ $924$ 0%10089M88AX $-1.617$ $-1.617$ 0%10090M88AZ $-2.8$ $-2.8$ 0%100	77	<u>M/6A</u>	<u>X</u>	-1.179	-1.179	0	%100
/9         M//B         X        000729        000729         0         %100           80         M77B         Z        001        001         0         %100           81         M82B         X        534        534         0         %100           82         M82B         Z        924        924         0         %100           83         M83B         X         0         0         0         %100           84         M83B         Z         0         0         0         %100           85         M85A         X         0         0         0         %100           86         M85A         Z         0         0         %100           87         M87         X        534        534         0         %100           88         M87         Z        924        924         0         %100           89         M88A         X         -1.617         -1.617         0         %100           90         M88A         Z         -2.8         -2.8         0         %100	78	M/6A		-2.041	-2.041	0	%100
80         M77B         Z        001         0         %100           81         M82B         X        534        534         0         %100           82         M82B         Z        924        924         0         %100           83         M83B         X         0         0         0         %100           84         M83B         Z         0         0         0         %100           84         M83B         Z         0         0         0         %100           85         M85A         X         0         0         0         %100           86         M85A         Z         0         0         0         %100           87         M87         X        534        534         0         %100           88         M87         Z        924        924         0         %100           89         M88A         X         -1.617         -1.617         0         %100           90         M88A         Z         -2.8         -2.8         0         %100	79	<u>M77B</u>	<u>X</u>	000729	000729	0	%100
81         M82B         X        534        534         0         %100           82         M82B         Z        924        924         0         %100           83         M83B         X         0         0         0         %100           84         M83B         Z         0         0         0         %100           85         M85A         X         0         0         0         %100           86         M85A         Z         0         0         0         %100           87         M87         X        534        534         0         %100           88         M87         Z        924        924         0         %100           89         M88A         X         -1.617         -1.617         0         %100           90         M88A         Z         -2.8         -2.8         0         %100	80	M77B	Z	001	001	0	%100
82         M82B         Z        924        924         0         %100           83         M83B         X         0         0         0         %100           84         M83B         Z         0         0         0         %100           84         M83B         Z         0         0         0         %100           85         M85A         X         0         0         0         %100           86         M85A         Z         0         0         0         %100           87         M87         X        534        534         0         %100           88         M87         Z        924         0         %100           89         M88A         X         -1.617         -1.617         0         %100           90         M88A         Z         -2.8         -2.8         0         %100	81	M82B	X	534	534	0	%100
83         M83B         X         0         0         0         %100           84         M83B         Z         0         0         0         %100           85         M85A         X         0         0         0         %100           86         M85A         Z         0         0         0         %100           87         M87         X        534        534         0         %100           88         M87         Z        924         0         %100           89         M88A         X         -1.617         -1.617         0         %100           90         M88A         Z         -2.8         -2.8         0         %100	82	M82B	Z	924	924	0	%100
84         M83B         Z         0         0         %100           85         M85A         X         0         0         %100           86         M85A         Z         0         0         %100           86         M85A         Z         0         0         %100           87         M87         X        534        534         0         %100           88         M87         Z        924         0         %100           89         M88A         X         -1.617         -1.617         0         %100           90         M88A         Z         -2.8         -2.8         0         %100	83	M83B	Χ	0	0	0	%100
85         M85A         X         0         0         0         %100           86         M85A         Z         0         0         0         %100           87         M87         X        534        534         0         %100           88         M87         Z        924         0         %100           89         M88A         X         -1.617         -1.617         0         %100           90         M88A         Z         -2.8         -2.8         0         %100	84	M83B	Z	0	0	0	%100
86         M85A         Z         0         0         %100           87         M87         X        534        534         0         %100           88         M87         Z        924        924         0         %100           89         M88A         X         -1.617         -1.617         0         %100           90         M88A         Z         -2.8         -2.8         0         %100	85	M85A	Χ	0	0	0	%100
87         M87         X        534        534         0         %100           88         M87         Z        924        924         0         %100           89         M88A         X         -1.617         -1.617         0         %100           90         M88A         Z         -2.8         -2.8         0         %100	86	M85A	Z	0	0	0	%100
88         M87         Z        924        924         0         %100           89         M88A         X         -1.617         -1.617         0         %100           90         M88A         Z         -2.8         -2.8         0         %100	87	M87	Χ	534	534	0	%100
89         M88A         X         -1.617         -1.617         0         %100           90         M88A         Z         -2.8         -2.8         0         %100	88	M87	Z	924	924	0	%100
90 M88A Z -2.8 -2.8 0 %100	89	M88A	Х	-1.617	-1.617	0	%100
	90	M88A	Z	-2.8	-2.8	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Fix\Rev 0\RISA\468184-VZW\_MT\_LO\_H.r3d]

Page 144

# 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,%]
91	M90	Х	-1.665	-1.665	0	%100
92	M90	Z	-2.884	-2.884	0	%100
93	MP4B	Х	-1.351	-1.351	0	%100
94	MP4B	Z	-2.339	-2.339	0	%100
95	MP1B	Х	-1.351	-1.351	0	%100
96	MP1B	Z	-2.339	-2.339	0	%100
97	M102	Х	-1.257	-1.257	0	%100
98	M102	Z	-2.177	-2.177	0	%100
99	M107	Х	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M111	Х	-1.257	-1.257	0	%100
102	M111	Z	-2.177	-2.177	0	%100
103	MP3C	Х	-1.351	-1.351	0	%100
104	MP3C	Z	-2.339	-2.339	0	%100
105	MP2C	Х	-1.351	-1.351	0	%100
106	MP2C	Z	-2.339	-2.339	0	%100
107	MP3B	Х	-1.351	-1.351	0	%100
108	MP3B	Z	-2.339	-2.339	0	%100
109	MP2B	Х	-1.351	-1.351	0	%100
110	MP2B	Z	-2.339	-2.339	0	%100
111	M123	Х	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	Х	-1.235	-1.235	0	%100
114	M124	Z	-2.14	-2.14	0	%100
115	M125	Х	-1.235	-1.235	0	%100
116	M125	7	-2 14	-2 14	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	M20	Х	0	0	0	%100
2	M20	Z	729	729	0	%100
3	M72A	Х	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M73	Х	0	0	0	%100
6	M73	Z	683	683	0	%100
7	M74	Х	0	0	0	%100
8	M74	Z	683	683	0	%100
9	M75	Х	0	0	0	%100
10	M75	Z	-1.25	-1.25	0	%100
11	M78	Х	0	0	0	%100
12	M78	Z	18	18	0	%100
13	M79	Х	0	0	0	%100
14	M79	Z	18	18	0	%100
15	M84	Х	0	0	0	%100
16	M84	Z	0	0	0	%100
17	M85	Х	0	0	0	%100
18	M85	Z	318	318	0	%100
19	M87A	Х	0	0	0	%100
20	M87A	Z	33	33	0	%100
21	M89A	Х	0	0	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	Х	0	0	0	%100
24	M90A	Z	318	318	0	%100
25	M92	Х	0	0	0	%100
26	M92	Z	33	33	0	%100
27	MP4A	Х	0	0	0	%100

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

20	Member Label	Direction	Start Magnitude[lb/ft,	. End Magnitude[lb/ft,F	.Start Location[ft,%]	End Location[ft,%]
20	MD3A	Z V	495	495	0	<u>%100</u> %100
29	MD3A	7	405	405	0	%100
31	MP2A	X	495	495	0	<u>%100</u>
32	MP2A	7	_ 105	_ 195	0	%100
33	MP1A	X	495	495	0	<u>%100</u>
34		7	105	105	0	%100
35		X	495	495	0	%100
36		7	- 405	_ 105	0	%100
37	M36	X	0	0	0	<u>%100</u>
38	M36	7	- 182	- 182	0	%100
39	M37	X	0	0	0	<u>%100</u>
40	M37	7	- 599	- 599	0	%100
41	M38	X	0	0	0	<u>%100</u> %100
42	M38	7	- 171	- 171	0	%100
43	M39	X	0	0	0	%100
44	M39	7	- 171	- 171	0	%100
45	M40	X	0	0	0	%100
46	M40	Z	-,313	-,313	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	155	155	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	67	67	0	%100
51	M49	X	0	0	0	%100
52	M49	Z	943	943	0	%100
53	M50	Х	0	0	0	%100
54	M50	Z	-1.273	-1.273	0	%100
55	M52	Х	0	0	0	%100
56	M52	Z	-1.32	-1.32	0	%100
57	M54	Х	0	0	0	%100
58	M54	Z	943	943	0	%100
59	M55	X	0	0	0	%100
60	M55	Z	318	318	0	%100
61	M57	Χ	0	0	0	%100
62	M57	Z	33	33	0	%100
63	MP4C	X	0	0	0	%100
64	MP4C	Z	495	495	0	%100
65	MP1C	X	0	0	0	%100
66	MP1C	Z	495	495	0	%100
67	M69	<u>X</u>	0	0	0	%100
68	M69	Z	182	182	0	%100
69	M70	X	0	0	0	%100
70	M70	<u> </u>	599	599	0	%100
/1	<u>M/1</u>	X	0	0	0	%100
72	M/1	<u> </u>	1/1	1/1	0	%100
73	M72	X	0	0	0	%100
/4	M/2	<u> </u>	1/1	1/1	0	%100
/5	M73A	X 7	0	0	0	%100
76	M73A		313	313	0	%100
70	IVI/6A	<u> </u>	0	0	0	%100
70	IVI76A		0/	07	0	%100
/9		<u>×</u>	0	0	0	%100
01			155	155	0	%100
01		7	042	042	0	% 100 9/ 100
02			943	940	0	0/100
03		~ 7	210	210	0	0/100
04	Ινιοορ	Δ	310	310	U	70100

#### 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,%]
85	M85A	Х	0	0	0	%100
86	M85A	Z	33	33	0	%100
87	M87	Х	0	0	0	%100
88	M87	Z	943	943	0	%100
89	M88A	Х	0	0	0	%100
90	M88A	Z	-1.273	-1.273	0	%100
91	M90	Х	0	0	0	%100
92	M90	Z	-1.32	-1.32	0	%100
93	MP4B	Х	0	0	0	%100
94	MP4B	Z	495	495	0	%100
95	MP1B	Х	0	0	0	%100
96	MP1B	Z	495	495	0	%100
97	M102	Х	0	0	0	%100
98	M102	Z	729	729	0	%100
99	M107	Х	0	0	0	%100
100	M107	Z	182	182	0	%100
101	M111	Х	0	0	0	%100
102	M111	Z	182	182	0	%100
103	MP3C	Х	0	0	0	%100
104	MP3C	Z	495	495	0	%100
105	MP2C	Х	0	0	0	%100
106	MP2C	Z	495	495	0	%100
107	MP3B	Х	0	0	0	%100
108	MP3B	Z	495	495	0	%100
109	MP2B	Х	0	0	0	%100
110	MP2B	Z	495	495	0	%100
111	M123	Х	0	0	0	%100
112	M123	Z	2	2	0	%100
113	M124	Х	0	0	0	%100
114	M124	Z	801	801	0	%100
115	M125	Х	0	0	0	%100
116	M125	Z	2	2	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	M20	Х	.273	.273	0	%100
2	M20	Z	474	474	0	%100
3	M72A	Х	.1	.1	0	%100
4	M72A	Z	173	173	0	%100
5	M73	Х	.256	.256	0	%100
6	M73	Z	443	443	0	%100
7	M74	Х	.256	.256	0	%100
8	M74	Z	443	443	0	%100
9	M75	Х	.469	.469	0	%100
10	M75	Z	812	812	0	%100
11	M78	Х	.258	.258	0	%100
12	M78	Z	446	446	0	%100
13	M79	Х	.000159	.000159	0	%100
14	M79	Z	000276	000276	0	%100
15	M84	Х	.157	.157	0	%100
16	M84	Z	272	272	0	%100
17	M85	Х	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M87A	Х	0	0	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	Х	.157	.157	0	%100

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

$\begin{array}{c c c c c c c c c c c c c c c c c c c $		Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	22	M89A	Z	272	272	0	%100
	23	M90A	Х	.477	.477	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	24	M90A	Z	827	827	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	25	M92	X	.495	.495	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	26	M92	Z	857	857	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	27	MP4A	Х	.247	.247	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	28	MP4A	Z	429	429	0	%100
	29	MP3A	Х	.247	.247	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	30	MP3A	Z	429	429	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	31	MP2A	Х	.247	.247	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	32	MP2A	Z	429	429	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	33	MP1A	Х	.247	.247	0	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	34	MP1A	Z	429	429	0	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	35	OVP	X	.202	.202	0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	36	OVP	Z	35	35	0	%100
	37	M36	Х	.273	.273	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	38	M36	Z	- 474	- 474	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	39	M37	X	.1	.1	0	%100
41         M38         X	40	M37	7	- 173	- 173	0	%100
42         M38         Z        443         .443         0         %100           43         M39         X         .2266         .256         0         %100           44         M39         Z        443        443         0         %100           45         M40         X         .469        443        443         0         %100           46         M40         Z        812        812         0         %100           46         M43         X         .000159         0         %100           48         M43         Z         .000276         0         %100           49         M44         X         .258         .258         0         %100           50         M44         Z         .446         .446         0         %100           51         M49         Z         .272         .272         0         %100           52         M50         X         .477         .477         0         %100           54         M50         Z         .827         .827         0         %100           55         M52         X         .4	41	M38	X	256	256	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	42	M38	7	- 443	- 443	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	43	M39	X	256	256	0	<u>%100</u>
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	44	M39	7	- 443	- 443	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	45	M33	X	469	469	0	<u>%100</u>
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	46	M40	7	_ 812	_ 812	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	17	M43	X	000150	000150	0	%100
H3         H43         Z $-300270$ $-30270$ $0$ $7100$ 50         M44         Z $-446$ $-446$ 0 $\%100$ 51         M49         X $.157$ $.157$ 0 $\%100$ 52         M49         Z $-272$ 0 $\%100$ 53         M50         X $.477$ $.477$ 0 $\%100$ 54         M50         Z $827$ $827$ 0 $\%100$ 56         M52         X $.495$ $495$ 0 $\%100$ 56         M52         Z $857$ $857$ 0 $\%100$ 58         M54         Z $272$ 0 $\%100$ 59         M55         X         0         0         0 $\%100$ 61         M57         Z         0         0         0 $\%100$ 63         MP4C         X         .247         .247         0 $\%100$ 64         MP4C	18	M43	7	000735	000733	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	40	M43		000270	000270	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	<del>49</del> 50	N44	7	.200	.230	0	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	50	N40		440	440	0	<u> </u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	57	N49	7	.137	.137	0	0/100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	52	<u> </u>		212	212	0	<u> </u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	55	N50	7	.477	.4//	0	<u> </u>
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	55	<u>IVI3U</u>		027	027	0	<u> </u>
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	50		7	.490	.493	0	<u> </u>
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	50			007	007	0	<u>%100</u>
38         M34         Z $-272$ $-272$ $0$ $%100$ $59$ M55         X         0         0         0         %100 $60$ M55         Z         0         0         0         %100 $61$ M57         X         0         0         0         %100 $62$ M57         Z         0         0         0         %100 $63$ MP4C         X         .247         .247         0         %100 $64$ MP4C         Z        429        429         0         %100 $65$ MP1C         X         .247         .247         0         %100 $66$ MP1C         Z        429        429         0         %100 $67$ M69         X         0         0         0         %100 $68$ M69         Z         0         0         0         %100 $70$ M70         Z        692         .692         0         %100           72         M71         Z	57	IVI34	<u> </u>	.157	.107	0	%100
S9         MS5         X         0         0         0         0         %100           60         M55         Z         0         0         0         %100           61         M57         X         0         0         0         %100           62         M57         Z         0         0         0         %100           63         MP4C         X         .247         .247         0         %100           64         MP4C         Z        429        429         0         %100           65         MP1C         X         .247         .247         0         %100           66         MP1C         Z        429        429         0         %100           67         M69         X         0         0         0         %100           68         M69         Z         0         0         %100         %100           70         M70         X         .399         .399         0         %100           71         M71         Z         0         0         0         %100           72         M71         Z         0	58	N54		212	212	0	%100
60         M55         Z         0         0         0         0         %100           61         M57         X         0         0         0         %100           62         M57         Z         0         0         0         %100           63         MP4C         X         .247         .247         0         %100           64         MP4C         Z        429        429         0         %100           65         MP1C         X         .247         .247         0         %100           66         MP1C         Z        429        429         0         %100           67         M69         X         0         0         0         %100           68         M69         Z         0         0         %100         %100           69         M70         X         .399         .399         0         %100           71         M71         Z         0         0         0         %100           72         M71         Z         0         0         0         %100           74         M72         Z         0	59	M55	X	0	0	0	<u>%100</u>
61         M57         X         0         0         0         0         %100           62         M57         Z         0         0         0         %100           63         MP4C         X         .247         .247         0         %100           64         MP4C         Z        429         .429         0         %100           65         MP1C         X         .247         .247         0         %100           66         MP1C         Z        429         .429         0         %100           67         M69         X         0         0         0         %100           68         M69         Z         0         0         0         %100           69         M70         X         .399         .399         0         %100           71         M71         X         0         0         0         %100           72         M71         Z         0         0         0         %100           73         M72         X         0         0         %100           74         M72         Z         0         0	60	M55		0	0	0	%100
b2         M57         Z         0         0         0         %100           63         MP4C         X         .247         .247         0         %100           64         MP4C         Z        429        429         0         %100           65         MP1C         X         .247         .247         0         %100           66         MP1C         Z        429        429         0         %100           67         M69         X         0         0         0         %100           68         M69         Z         0         0         %100           69         M70         X         .399         .399         0         %100           70         M70         Z        692        692         0         %100           71         M71         X         0         0         %100         %100           73         M72         X         0         0         %100         %100           75         M73A         Z         0         0         %100         %100           76         M73A         Z         0         0	61	IVI57	X	0	0	0	%100
63         MP4C         X         .247         .247         0         %100           64         MP4C         Z        429        429         0         %100           65         MP1C         X         .247         .247         0         %100           66         MP1C         Z        429        429         0         %100           66         MP1C         Z        429        429         0         %100           67         M69         X         0         0         0         %100           68         M69         Z         0         0         0         %100           69         M70         X         .399         .399         0         %100           70         M70         Z        692         .692         0         %100           71         M71         X         0         0         0         %100           73         M72         X         0         0         0         %100           74         M72         Z         0         0         0         %100           75         M73A         X         0	62	MD10		0	0	0	%100
64         MP4C         Z        429        429         0         %100           65         MP1C         X         .247         .247         0         %100           66         MP1C         Z        429        429         0         %100           66         MP1C         Z        429        429         0         %100           67         M69         X         0         0         0         %100           68         M69         Z         0         0         0         %100           69         M70         X         .399         .399         0         %100           70         M70         Z         .692         .692         0         %100           71         M71         X         0         0         0         %100           72         M71         Z         0         0         %100         %100           73         M72         X         0         0         %100         %100           74         M72         Z         0         0         %100         %100           75         M73A         X         0	63	MP4C	X	.247	.247	0	%100
OS         MP1C         X         .247         .247         0         %100           66         MP1C         Z        429        429         0         %100           67         M69         X         0         0         0         %100           68         M69         Z         0         0         0         %100           69         M70         X         .399         .399         0         %100           70         M70         Z        692        692         0         %100           71         M71         X         0         0         %100         %100           72         M71         Z         0         0         %100         %100           73         M72         X         0         0         %100         %100           74         M72         Z         0         0         %100         %100           75         M73A         X         0         0         %100         %100           76         M73A         Z         0         0         %100         %100           76         M76A         Z        424	64	MP4C		429	429	0	%100
bb         MP1C         Z        429        429         0         %100           67         M69         X         0         0         0         %100           68         M69         Z         0         0         0         %100           69         M70         X         .399         .399         0         %100           70         M70         Z        692         .692         0         %100           71         M71         X         0         0         0         %100           72         M71         Z         0         0         0         %100           73         M72         X         0         0         %100           74         M72         Z         0         0         %100           75         M73A         X         0         0         %100           76         M73A         Z         0         0         %100           76         M73A         Z         0         0         %100           78         M76A         Z        424        424         0         %100	65	MP1C	X	.247	.247	0	%100
67         M69         X         0         0         0         %100           68         M69         Z         0         0         0         %100           69         M70         X         .399         .399         0         %100           70         M70         Z        692        692         0         %100           71         M71         X         0         0         0         %100           72         M71         Z         0         0         0         %100           73         M72         X         0         0         0         %100           74         M72         Z         0         0         0         %100           75         M73A         X         0         0         %100           76         M73A         Z         0         0         %100           77         M76A         X         .245         .245         0         %100           78         M76A         Z        424        424         0         %100	66	MP1C	<u> </u>	429	429	0	%100
68         M69         Z         0         0         0         %100           69         M70         X         .399         .399         0         %100           70         M70         Z        692        692         0         %100           71         M71         X         0         0         0         %100           72         M71         Z         0         0         0         %100           73         M72         X         0         0         0         %100           74         M72         Z         0         0         %100         %100           75         M73A         X         0         0         %100         %100           76         M73A         Z         0         0         %100         %100           77         M76A         X         .245         .245         0         %100           78         M76A         Z        424        424         0         %100	67	M69	<u> </u>	0	0	0	%100
69         M70         X         .399         .399         0         %100           70         M70         Z        692        692         0         %100           71         M71         X         0         0         0         %100           72         M71         Z         0         0         0         %100           73         M72         X         0         0         0         %100           74         M72         Z         0         0         %100           75         M73A         X         0         0         %100           76         M73A         Z         0         0         %100           77         M76A         X         .245         .245         0         %100           78         M76A         Z        424        424         0         %100	68	M69	Z	0	0	0	%100
70         M70         Z        692        692         0         %100           71         M71         X         0         0         0         %100           72         M71         Z         0         0         0         %100           73         M72         X         0         0         0         %100           74         M72         Z         0         0         %100           75         M73A         X         0         0         %100           76         M73A         Z         0         0         %100           77         M76A         X         .245         .245         0         %100           78         M76A         Z        424        424         0         %100	69	M70	<u>X</u>	.399	.399	0	%100
71         M71         X         0         0         0         %100           72         M71         Z         0         0         0         %100           73         M72         X         0         0         0         %100           74         M72         Z         0         0         0         %100           75         M73A         X         0         0         0         %100           76         M73A         Z         0         0         0         %100           77         M76A         X         .245         .245         0         %100           78         M76A         Z        424        424         0         %100	70	M70	Z	692	692	0	%100
72         M71         Z         0         0         0         %100           73         M72         X         0         0         0         %100           74         M72         Z         0         0         0         %100           75         M73A         X         0         0         0         %100           76         M73A         Z         0         0         0         %100           77         M76A         X         .245         .245         0         %100           78         M76A         Z        424        424         0         %100	71	M71	Х	0	0	0	%100
73         M72         X         0         0         0         %100           74         M72         Z         0         0         0         %100           75         M73A         X         0         0         0         %100           76         M73A         Z         0         0         0         %100           77         M76A         X         .245         .245         0         %100           78         M76A         Z        424        424         0         %100	72	M71	Z	0	0	0	%100
74         M72         Z         0         0         %100           75         M73A         X         0         0         %100           76         M73A         Z         0         0         %100           76         M73A         Z         0         0         %100           77         M76A         X         .245         .245         0         %100           78         M76A         Z        424        424         0         %100	73	M72	Х	0	0	0	%100
75         M73A         X         0         0         0         %100           76         M73A         Z         0         0         0         %100           77         M76A         X         .245         .245         0         %100           78         M76A         Z        424        424         0         %100	74	M72	Z	0	0	0	%100
76         M73A         Z         0         0         %100           77         M76A         X         .245         .245         0         %100           78         M76A         Z        424        424         0         %100	75	M73A	Х	0	0	0	%100
77         M76A         X         .245         .245         0         %100           78         M76A         Z        424        424         0         %100	76	M73A	Z	0	0	0	%100
78 M76A Z424424 0 %100	77	M76A	X	.245	.245	0	%100
	78	M76A	Z	424	424	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,%]
79	M77B	Х	.245	.245	0	%100
80	M77B	Z	425	425	0	%100
81	M82B	Х	.629	.629	0	%100
82	M82B	Z	-1.089	-1.089	0	%100
83	M83B	Х	.477	.477	0	%100
84	M83B	Z	827	827	0	%100
85	M85A	Х	.495	.495	0	%100
86	M85A	Z	857	857	0	%100
87	M87	Х	.629	.629	0	%100
88	M87	Z	-1.089	-1.089	0	%100
89	M88A	Х	.477	.477	0	%100
90	M88A	Z	827	827	0	%100
91	M90	Х	.495	.495	0	%100
92	M90	Z	857	857	0	%100
93	MP4B	Х	.247	.247	0	%100
94	MP4B	Z	429	429	0	%100
95	MP1B	Х	.247	.247	0	%100
96	MP1B	Z	429	429	0	%100
97	M102	Х	.273	.273	0	%100
98	M102	Z	474	474	0	%100
99	M107	Х	.273	.273	0	%100
100	M107	Z	474	474	0	%100
101	M111	Х	0	0	0	%100
102	M111	Z	0	0	0	%100
103	MP3C	Х	.247	.247	0	%100
104	MP3C	Z	429	429	0	%100
105	MP2C	Х	.247	.247	0	%100
106	MP2C	Z	429	429	0	%100
107	MP3B	Х	.247	.247	0	%100
108	MP3B	Z	429	429	0	%100
109	MP2B	Х	.247	.247	0	%100
110	MP2B	Z	429	429	0	%100
111	M123	Х	.3	.3	0	%100
112	M123	Z	52	52	0	%100
113	M124	Х	.3	.3	0	%100
114	M124	Z	52	52	0	%100
115	M125	Х	0	0	0	%100
116	M125	7	0	0	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	M20	Х	.158	.158	0	%100
2	M20	Z	091	091	0	%100
3	M72A	Х	.519	.519	0	%100
4	M72A	Z	3	3	0	%100
5	M73	Х	.148	.148	0	%100
6	M73	Z	085	085	0	%100
7	M74	Х	.148	.148	0	%100
8	M74	Z	085	085	0	%100
9	M75	Х	.271	.271	0	%100
10	M75	Z	156	156	0	%100
11	M78	Х	.58	.58	0	%100
12	M78	Z	335	335	0	%100
13	M79	Х	.134	.134	0	%100
14	M79	Z	078	078	0	%100
15	M84	Х	.817	.817	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,%]
16	M84	Z	472	472	0	%100
17	M85	Х	.276	.276	0	%100
18	M85	Z	159	159	0	%100
19	M87A	Х	.286	.286	0	%100
20	M87A	Z	165	165	0	%100
21	M89A	X	.817	.817	0	%100
22	M89A	7	- 472	- 472	0	%100
23	M90A	X	1 103	1 103	0	%100
24	M90A	7	- 637	- 637	0	%100
25	M92	X	1 143	1 143	0	%100
26	M92	7	- 66	- 66	0	%100
27	MP4A	X	429	429	0	%100
28	MP4A	7	- 247	- 247	0	%100
20	MP3A	X	429	429	0	%100
30	MP3A	7	_ 2/7	- 247	0	%100
31	MP2A	X	/20	/20	0	%100
22	MD2A	7	.428	.423	0	%100
22			247	247	0	0/100
24		7	.429	.429	0	0/100
34			247	247	0	0/ 100
30		7	.30	.30	0	<u> </u>
30	Mag		202	202	0	70 I UU 0/ 100
37	IVI30	<u> </u>	.032	.032	0	%100
38	M36		305	305	0	%100
39	<u>IVI37</u>	X	0	0	0	%100
40	M37	Ζ	0	0	0	%100
41	M38	X	.591	.591	0	%100
42	M38	<u> </u>	341	341	0	<u>%100</u>
43	<u>M39</u>	X	.591	.591	0	%100
44	M39		341	341	0	<u>%100</u>
45	M40	X	1.083	1.083	0	<u>%100</u>
46	M40	<u> </u>	625	625	0	<u>%100</u>
4/	M43	<u> </u>	.156	.156	0	<u>%100</u>
48	M43	Z	09	09	0	%100
49	M44	<u> </u>	.156	.156	0	<u>%100</u>
50	M44	Z	09	09	0	%100
51	M49	X	0	0	0	<u>%100</u>
52	M49	Z	0	0	0	%100
53	M50	Χ	.276	.276	0	<u> </u>
54	M50	Z	159	159	0	%100
55	M52	Χ	.286	.286	0	%100
56	M52	Z	165	165	0	%100
57	M54	Χ	0	0	0	%100
58	M54	Z	0	0	0	%100
59	M55	X	.276	.276	0	%100
60	M55	Z	159	159	0	%100
61	M57	X	.286	.286	0	%100
62	M57	Z	165	165	0	%100
63	MP4C	Х	.429	.429	0	%100
64	MP4C	Z	247	247	0	%100
65	MP1C	Х	.429	.429	0	%100
66	MP1C	Z	247	247	0	%100
67	M69	Х	.158	.158	0	%100
68	M69	Z	091	091	0	%100
69	M70	X	.519	.519	0	%100
70	M70	Z	3	3	0	%100
71	M71	X	.148	.148	0	%100
72	M71	Z	085	085	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,%]
73	M72	Х	.148	.148	0	%100
74	M72	Z	085	085	0	%100
75	M73A	Х	.271	.271	0	%100
76	M73A	Z	156	156	0	%100
77	M76A	Х	.134	.134	0	%100
78	M76A	Z	078	078	0	%100
79	M77B	Х	.581	.581	0	%100
80	M77B	Z	335	335	0	%100
81	M82B	Х	.817	.817	0	%100
82	M82B	Z	472	472	0	%100
83	M83B	Х	1.103	1.103	0	%100
84	M83B	Z	637	637	0	%100
85	M85A	Х	1.143	1.143	0	%100
86	M85A	Z	66	66	0	%100
87	M87	Х	.817	.817	0	%100
88	M87	Z	472	472	0	%100
89	M88A	Х	.276	.276	0	%100
90	M88A	Z	159	159	0	%100
91	M90	X	.286	.286	0	%100
92	M90	Z	165	165	0	%100
93	MP4B	X	.429	.429	0	%100
94	MP4B	Z	247	247	0	%100
95	MP1B	X	.429	.429	0	%100
96	MP1B	Z	247	247	0	%100
97	M102	X	.158	.158	0	%100
98	M102	Z	091	091	0	%100
99	M107	X	.632	.632	0	%100
100	M107	Z	365	365	0	%100
101	M111	X	.158	.158	0	%100
102	M111	Z	091	091	0	%100
103	MP3C	Х	.429	.429	0	%100
104	MP3C	Z	247	247	0	%100
105	MP2C	Х	.429	.429	0	%100
106	MP2C	Z	247	247	0	%100
107	MP3B	Х	.429	.429	0	%100
108	MP3B	Z	247	247	0	%100
109	MP2B	Х	.429	.429	0	%100
110	MP2B	Z	247	247	0	%100
111	M123	X	.693	.693	0	%100
112	M123	Z	4	4	0	%100
113	M124	Х	.173	.173	0	%100
114	M124	Z	1	1	0	%100
115	M125	X	.173	.173	0	%100
116	M125	Z	1	1	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	M20	Х	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M72A	Х	.799	.799	0	%100
4	M72A	Z	0	0	0	%100
5	M73	Х	0	0	0	%100
6	M73	Z	0	0	0	%100
7	M74	Х	0	0	0	%100
8	M74	Z	0	0	0	%100
9	M75	Х	0	0	0	%100

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

10	Member Label	Direction	Start Magnitude[lb/ft,	. End Magnitude[lb/ft,F	.Start Location[ft,%]	End Location[ft,%]
11	M79	Z V	10	10	0	<u> </u>
12	M79	7	.49	.49	0	%100
12	M70	X	10	10	0	<u>%100</u>
1/	M79	7	.+3	0	0	%100
15	N84	X	1 258	1 258	0	<u>%100</u>
16	M84	7	1.230	0	0	%100
17	M85	X	055	055	0	%100
18	M85	7	.900	.955	0	<u>%100</u>
10	M87A	X	00	00	0	<u>%100</u>
20	M87A	7	.33	0	0	%100
20	M89A	X	1 258	1 258	0	%100
22	M89A	7	0	0	0	%100
23	MOOA	X	955	955	0	<u>%100</u>
24	M90A	7	0	0	0	%100
25	M92	X	99	99	0	<u>%100</u>
26	M92	7	0	0	0	%100
27	MP4A	X	495	495	0	%100
28	MP4A	7	0	0	0	%100
29	MP3A	X	495	495	0	%100
30	MP3A	7	0	0	0	%100
31	MP2A	X	495	495	0	%100
32	MP2A	7	0	0	0	%100
33	MP1A	X	495	495	0	<u>%100</u>
34	MP1A	7	0	0	0	%100
35	OVP	X	405	405	0	%100
36	OVP	7	0	0	0	%100
37	M36	X	547	547	0	<u>%100</u> %100
38	M36	7	0	0	0	%100
39	M37	X	2	2	0	%100
40	M37	7	0	0	0	%100
41	M38	X	.512	.512	0	%100
42	M38	Z	0	0	0	%100
43	M39	X	.512	.512	0	%100
44	M39	Z	0	0	0	%100
45	M40	X	.938	.938	0	%100
46	M40	Z	0	0	0	%100
47	M43	X	.515	.515	0	%100
48	M43	Z	0	0	0	%100
49	M44	Х	.000319	.000319	0	%100
50	M44	Z	0	0	0	%100
51	M49	Х	.314	.314	0	%100
52	M49	Z	0	0	0	%100
53	M50	Х	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M52	Х	0	0	0	%100
56	M52	Z	0	0	0	%100
57	M54	Х	.314	.314	0	%100
58	M54	Z	0	0	0	%100
59	M55	Х	.955	.955	0	%100
60	M55	Z	0	0	0	%100
61	M57	Х	.99	.99	0	%100
62	M57	Z	0	0	0	%100
63	MP4C	Х	.495	.495	0	%100
64	MP4C	Z	0	0	0	%100
65	MP1C	Х	.495	.495	0	%100
66	MP1C	Z	0	0	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Fix\Rev 0\RISA\468184-VZW\_MT\_LO\_H.r3d]

Page 152

# 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	M69	X	.547	.547	0	%100
68	M69	Z	0	0	0	%100
69	M70	X	.2	.2	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	.512	.512	0	%100
72	M71	Z	0	0	0	%100
73	M72	Χ	.512	.512	0	%100
74	M72	Z	0	0	0	%100
75	M73A	Χ	.938	.938	0	%100
76	M73A	Z	0	0	0	%100
77	M76A	X	.000319	.000319	0	%100
78	M76A	Z	0	0	0	%100
79	M77B	Χ	.516	.516	0	%100
80	M77B	Z	0	0	0	%100
81	M82B	X	.314	.314	0	%100
82	M82B	Z	0	0	0	%100
83	M83B	X	.955	.955	0	%100
84	M83B	Z	0	0	0	%100
85	M85A	Χ	.99	.99	0	%100
86	M85A	Z	0	0	0	%100
87	M87	Χ	.314	.314	0	%100
88	M87	Z	0	0	0	%100
89	M88A	X	0	0	0	%100
90	M88A	Z	0	0	0	%100
91	M90	Χ	0	0	0	%100
92	M90	Z	0	0	0	%100
93	MP4B	X	.495	.495	0	%100
94	MP4B	Z	0	0	0	%100
95	MP1B	X	.495	.495	0	<u> </u>
96	MP1B	Z	0	0	0	%100
97	M102	XX	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M107	Χ	.547	.547	0	%100
100	M107	Z	0	0	0	%100
101	M111	X	.547	.547	0	<u> </u>
102	M111	Z	0	0	0	%100
103	MP3C	X	.495	.495	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	Х	.495	.495	0	%100
106	MP2C	Z	0	0	0	%100
107	MP3B	X	.495	.495	0	<u> </u>
108	MP3B	Z	0	0	0	%100
109	MP2B	X	.495	.495	0	%100
110	MP2B	Z	0	0	0	%100
111	M123	X	.601	.601	0	%100
112	M123	Z	0	0	0	%100
113	M124	<u>X</u>	0	0	0	%100
114	M124	Z	0	0	0	%100
115	<u>M125</u>	X	.601	.601	0	%100
116	M125	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	M20	Х	.158	.158	0	%100
2	M20	Z	.091	.091	0	%100
3	M72A	Х	.519	.519	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,%]
4	M72A	Z	.3	.3	0	%100
5	M73	X	.148	.148	0	%100
6	M73	Z	.085	.085	0	%100
7	M74	X	.148	.148	0	<u> </u>
8	M74	Z	.085	.085	0	%100
9	M75	X	.271	.271	0	%100
10	M75	Z	.156	.156	0	%100
11	M78	X	.134	.134	0	%100
12	M78	Z	.078	.078	0	%100
13	M79	X	.581	.581	0	%100
14	M79	Z	.335	.335	0	%100
15	M84	X	.817	.817	0	%100
16	M84	Z	.472	.472	0	%100
17	M85	Χ	1.103	1.103	0	%100
18	M85	Z	.637	.637	0	%100
19	M87A	Х	1.143	1.143	0	%100
20	M87A	Z	.66	.66	0	%100
21	M89A	Х	.817	.817	0	%100
22	M89A	Z	.472	.472	0	%100
23	M90A	Х	.276	.276	0	%100
24	M90A	Z	.159	.159	0	%100
25	M92	Х	.286	.286	0	%100
26	M92	Z	.165	.165	0	%100
27	MP4A	Х	.429	.429	0	%100
28	MP4A	Z	.247	.247	0	%100
29	MP3A	Х	.429	.429	0	%100
30	MP3A	Z	.247	.247	0	%100
31	MP2A	Х	.429	.429	0	%100
32	MP2A	Z	.247	.247	0	%100
33	MP1A	Х	.429	.429	0	%100
34	MP1A	Z	.247	.247	0	%100
35	OVP	Х	.35	.35	0	%100
36	OVP	Z	.202	.202	0	%100
37	M36	Х	.158	.158	0	%100
38	M36	Z	.091	.091	0	%100
39	M37	Х	.519	.519	0	%100
40	M37	Z	.3	.3	0	%100
41	M38	Х	.148	.148	0	%100
42	M38	Z	.085	.085	0	%100
43	M39	Х	.148	.148	0	%100
44	M39	Z	.085	.085	0	%100
45	M40	Х	.271	.271	0	%100
46	M40	Z	.156	.156	0	%100
47	M43	Х	.58	.58	0	%100
48	M43	Z	.335	.335	0	%100
49	M44	Х	.134	.134	0	%100
50	M44	Z	.078	.078	0	%100
51	M49	X	.817	.817	0	%100
52	M49	Z	.472	.472	0	%100
53	M50	X	.276	.276	0	%100
54	M50	Z	.159	.159	0	%100
55	M52	X	.286	.286	0	%100
56	M52	7	.165	.165	0	%100
57	M54	X	.817	.817	0	%100
58	M54	7	472	472	0	%100
59	M55	X	1 103	1 103	0	%100
60	M55	7	637	637	0	%100
00	IVIOU	2	.001	.007	U	70100

# 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,%]
61	M57	Х	1.143	1.143	0	%100
62	M57	Z	.66	.66	0	%100
63	MP4C	Х	.429	.429	0	%100
64	MP4C	Z	.247	.247	0	%100
65	MP1C	Х	.429	.429	0	%100
66	MP1C	7	247	247	0	%100
67	M69	X	632	632	0	%100
68	M69	7	365	365	0	%100
69	M03	X	0	.505	0	<u>%100</u> %100
70	M70	7	0	0	0	%100
70	M70	×	501	501	0	%100
72	N71	7	2/1	2/1	0	%100
72	N72		501	.041	0	<u> </u>
73	N72	7	.091	.091	0	<u> </u>
74			1.002	.041	0	0/ 100
75	N173A	~ ~	1.003	1.003	0	%100
76	M73A		.625	.625	0	<u>%100</u>
11	M76A	X	.156	.156	0	%100
/8	M/6A	<u> </u>	.09	.09	0	%100
79	M77B	<u>X</u>	.156	.156	0	%100
80	M77B	Z	.09	.09	0	%100
81	M82B	X	0	0	0	<u>%100</u>
82	M82B	Z	0	0	0	%100
83	M83B	Х	.276	.276	0	%100
84	M83B	Z	.159	.159	0	%100
85	M85A	Х	.286	.286	0	%100
86	M85A	Z	.165	.165	0	%100
87	M87	Х	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88A	Х	.276	.276	0	%100
90	M88A	Z	.159	.159	0	%100
91	M90	X	286	286	0	%100
92	M90	7	165	165	0	%100
93	MP4B	X	429	429	0	<u>%100</u> %100
94	MP4B	7	247	247	0	%100
95	MP1B	X	/29	/29	0	%100
06	MD1R	7	2/7	247	0	%100
07	M102	×	158	158	0	%100
97	M102	7	.130	.130	0	<u> </u>
90	<u>M107</u>		159	.091	0	<u> </u>
39	IVI 107		. 130	.100	0	0/100
100			.091	.091	0	%100
101		X	.032	.032	U	%100
102	M111		.365	.365	0	%100
103	MP3C	X	.429	.429	0	%100
104	MP3C	<u> </u>	.247	.247	0	%100
105	MP2C	<u>X</u>	.429	.429	0	%100
106	MP2C	Z	.247	.247	0	%100
107	MP3B	X	.429	.429	0	%100
108	MP3B	Z	.247	.247	0	%100
109	MP2B	Х	.429	.429	0	%100
110	MP2B	Z	.247	.247	0	%100
111	M123	Х	.173	.173	0	%100
112	M123	Z	.1	.1	0	%100
113	M124	Х	.173	.173	0	%100
114	M124	Z	.1	.1	0	%100
115	M125	X	.693	.693	0	%100
116	M125	7	.4	.4	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	M20	Х	.273	.273	0	%100
2	M20	Z	.474	.474	0	%100
3	M72A	Х	.1	.1	0	%100
4	M72A	Z	.173	.173	0	%100
5	M73	Х	.256	.256	0	%100
6	M73	Z	.443	.443	0	%100
7	M74	X	.256	.256	0	%100
8	M74	7	443	443	0	%100
9	M75	X	469	469	0	%100
10	M75	7	812	812	0	%100
11	M78	X	000159	000159	0	%100
12	M78	7	000276	000276	0	%100
13	M79	X	258	258	0	<u>%100</u>
14	M79	7	446	446	0	%100
15	M84	X	157	157	0	%100
16	M84	7	272	272	0	%100
17	M85	X	477	477	0	<u>%100</u> %100
18	M85	7	827	827	0	%100
19	M87A	X	495	495	0	%100
20	M87A	7	857	857	0	%100
21	M89A	X	157	157	0	%100
22	M89A	7	272	272	0	%100
23	MOOA	X	0	.212	0	<u>%100</u> %100
24	MODA	7	0	0	0	%100
25	M92	X	0	0	0	%100
26	M92	7	0	0	0	%100
27	MP/A	X	247	2/17	0	%100
28		7	/29	/29	0	%100
20	MP3A	X	2/7	2/7	0	%100
29	MP3A	7	/20	.247	0	%100
31	MP2A	X	2423	2/7	0	%100
32	MP2A	7	/20	/20	0	%100
32		X	2423	2/7	0	%100
34	MP1A	7	/29	/247	0	<u>%100</u>
35		X	202	202	0	<u>%100</u>
36		7	35	.202	0	%100
27					0	%100
20	M36	7	0	0	0	%100
30	M37	X	300	300	0	%100
40	M27	7	.099	602	0	%100
/1	M38	Z Y	.092	0.092	0	%100
41	M38	7	0	0	0	%100
42	M30	Z Y	0	0	0	%100
43	M30	7	0	0	0	%100
45	M/10	X	0	0	0	%100
46	M/0	7	0	0	0	%100
/7	MAQ	X	245	245	0	%100
47	M/3	7	.240	.240	0	%100
40	M//	Z V	.424	.424	0	%100
50	M// /	7	.240	.240	0	%100
51	M/Q	Z Y	620	620	0	%100
52	M40	~ 7	1 029	1 029	0	%100
52	M50		1.009	1.009	0	0/100
53	M50	7	.4//	.4//	0	%100
54	MEO		.021	.021	0	%100
55	M52	~ 7	.490	.490	0	%100
50	M54		.007	.007	0	0/100
57	11104	<b>∧</b>	.029	.029	U	% I UU

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Fix\Rev 0\RISA\468184-VZW\_MT\_LO\_H.r3d]

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

58         M54         Z         1.089         1.089         0         %11           59         M55         X         .477         .477         0         %11           60         M55         Z         .827         .827         0         %11           61         M57         X         .495         .495         0         %11           62         M57         Z         .857         0         %11           63         MP4C         X         .247         .247         0         %11           64         MP4C         Z         .429         .429         0         %11           66         MP1C         Z         .429         .429         0         %11           67         M69         X         .273         .0         %11           68         M69         Z         .474         .474         0         %11           70         M70         X         .1         1         0         .9411           73         M72         X         .266         .256         0         .9411           74         M76A         X         .258         .258	on[ft,%]
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	00
	00
61         M57         X         495         495         0 $\%11$ 62         M57         Z         .857         .857         0 $\%11$ 63         MP4C         X         .247         .247         0 $\%11$ 64         MP4C         Z         .429         .429         0 $\%11$ 65         MP1C         X         .247         .247         0 $\%11$ 66         MP1C         Z         .429         .429         0 $\%11$ 67         M69         Z         .474         .474         0 $\%11$ 68         M69         Z         .474         .474         0 $\%11$ 70         M70         Z         .13         .173         0 $\%11$ 71         M71         Z         .443         .443         0 $\%11$ 72         M71         Z         .443         .443         0 $\%11$ 73         M72         X         .256         .256         0 $\%11$ 74         M72	00
b2         M57         Z         857         957         0 $\%11$ 63         MP4C         X         .247         .247         0 $\%11$ 64         MP4C         Z         .429         .429         0 $\%11$ 65         MP1C         X         .247         .247         0 $\%11$ 66         M69         X         .273         .273         0 $\%11$ 67         M69         X         .273         .273         0 $\%11$ 68         M69         Z         .474         .474         0 $\%11$ 70         M70         X         .1         .1         0         0 $\%11$ 71         M71         Z         .443         .443         0         .56           72         M71         Z         .443         .443         0         .56           73         M72         Z         .443         .443         0         .56           75         M73A         X         .469         .469         0         .56           76         M73A	00
bit         MP4C         X         247         247         0         %11           64         MP4C         Z         .429         .429         0         %11           65         MP1C         X         .247         .247         0         %11           66         MP1C         Z         .429         .429         0         %11           67         M69         X         .273         .273         0         %11           68         M69         Z         .474         .474         0         %11           69         M70         X         .1         .1         0         %11           71         M71         Z         .443         .443         0         %11           73         M72         X         .256         .256         0         %11           74         M72         Z         .443         .443         0         %11           74         M72         Z         .443         .443         0         %11           75         M73A         X         .469         .469         0         %11           75         M76A         Z         .246<	00
64         MP4C         Z         429         429         0         %10           65         MP1C         X         .247         .247         0         %11           66         MP1C         Z         .429         .429         0         %11           67         M69         X         .273         .273         0         %11           68         M69         Z         .474         .474         0         %11           69         M70         X         .1         .1         0         %11           70         M70         Z         .173         .173         0         %11           71         M71         Z         .443         .443         0         %11           73         M72         Z         .443         .443         0         %11           75         M73A         Z         .812         .0         %11         %12         0         %11           76         M73A         Z         .446         .446         0         %11         %12         0         %11           77         M76A         Z         .446         .446         0         %11 </td <td>00</td>	00
65         MP1C         X         .247         .247         0         .%11           66         MP1C         Z         .429         .429         0         .%11           67         M69         X         .273         .0         %11           68         M69         Z         .474         .474         .0         .%11           69         M70         X         .1         .1         0         .%11           70         M70         Z         .173         .173         0         .%11           71         M71         Z         .443         .443         0         .%11           73         M72         X         .256         .256         0         .%11           74         M72         X         .433         .443         0         .%11           76         M73A         X         .469         .469         0         .%11           77         M76A         Z         .446         .446         0         .%11           79         M77B         X         .000276         .000276         0         .%11           80         M72B         .157         .157	)0
66         MP1C         Z         429         429         0         %11           67         M69         X         .273         .273         0         %11           69         M70         X         .1         1         0         %11           69         M70         X         .1         1         0         %11           70         M70         Z         .173         .173         0         %11           71         M71         X         .256         .256         0         %11           73         M72         X         .256         .256         0         %11           74         M72         X         .256         .258         0         %11           75         M73A         X         .469         .469         0         %11           77         M76A         Z         .443         .0446         0         %11           78         M76A         Z         .446         .446         0         %11           80         M77B         X         .000159         0         %11           81         M82B         Z         0         0	)0
67         M69         X $273$ $273$ $0$ $%11$ $68$ M69         Z $474$ $474$ $0$ $%11$ $70$ M70         X $1$ $1$ $0$ $%11$ $70$ M70         Z $173$ $173$ $0$ $%11$ $71$ M71         X $256$ $256$ $0$ $%11$ $73$ M72         X $2266$ $256$ $0$ $%11$ $74$ M72         Z $443$ $443$ $0$ $%11$ $75$ M73A         X $469$ $469$ $0$ $%11$ $76$ M73A         Z $812$ $812$ $0$ $%11$ $77$ M76A         Z $446$ $446$ $0$ $%11$ $79$ M77B         Z $000159$ $000159$ $0$ $%11$ $80$ M82B         X $0$ $0$ $0$ $%11$ <td>)0</td>	)0
68         M69         Z         .474         .474         0         %16           69         M70         X         .1         .1         0         %11           70         M70         Z         .173         .173         0         %11           71         M71         X         .256         .256         0         %11           72         M71         Z         .443         .443         .0         %11           73         M72         X         .256         .256         0         .%11           74         M72         Z         .443         .443         0         %11           75         M73A         X         .469         .469         0         %11           76         M73A         Z         .812         .812         0         %11           78         M76A         Z         .446         .446         0         %11           80         M77B         Z         .000276         .000276         .0         %11           81         M82B         Z         .000276         .000276         .0         %11           82         M82B         Z	)0
69         M70         X         .1         .1         .1         0         %10           70         M70         Z         .173         .173         0         %11           71         M71         X         .256         .256         0         %11           72         M71         Z         .443         .443         0         %11           73         M72         X         .256         .256         0         %11           75         M73A         X         .469         .469         0         %11           75         M73A         Z         .812         .812         0         %11           76         M73A         Z         .812         .01         %11         .01           76         M7AA         Z         .446         .446         0         %11           78         M76A         Z         .000159         .000159         0         %11           80         M77B         Z         .000276         .000276         0         %11           81         M82B         X         .0         0         0         .9%11           82         M82A	)0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	)0
71 $M71$ $X$ $.256$ $.256$ $0$ $9610$ $72$ $M71$ $Z$ $.443$ $.443$ $0$ $9610$ $73$ $M72$ $X$ $.256$ $0$ $9610$ $74$ $M72$ $Z$ $.443$ $.443$ $0$ $9611$ $75$ $M73A$ $X$ $.459$ $.469$ $0$ $9611$ $76$ $M73A$ $Z$ $.812$ $.812$ $0$ $9611$ $76$ $M73A$ $Z$ $.812$ $.812$ $0$ $9611$ $77$ $M76A$ $Z$ $.812$ $0$ $9611$ $79$ $M77B$ $X$ $.000159$ $0000276$ $0$ $9611$ $80$ $M77B$ $Z$ $000276$ $000276$ $0$ $9611$ $81$ $M82B$ $Z$ $0$ $0$ $0$ $9611$ $83$ $M83B$ $Z$ $0$ $0$	)0
72         M71         Z         .443         .443         0         %11           73         M72         X         .256         .256         0         %11           74         M72         Z         .443         .443         0         %11           75         M73A         X         .469         .469         0         %11           76         M73A         Z         .812         .812         0         %11           77         M76A         X         .258         .0         %11           78         M76A         Z         .446         .446         0         %11           80         M77B         Z         .000159         .000276         0         %11           80         M77B         Z         .000276         .00276         0         %11           81         M82B         Z         .272         .272         0         %11           83         M63B         Z         0         0         0         %11           84         M83B         Z         0         0         0         %11           84         M83B         Z         0 <td< td=""><td>)0</td></td<>	)0
73 $M72$ $X$ $.256$ $.256$ $0$ $%610$ $74$ $M72$ $Z$ $443$ $.443$ $0$ $%610$ $75$ $M73A$ $X$ $.469$ $0$ $%610$ $76$ $M73A$ $Z$ $.812$ $0$ $%610$ $77$ $M76A$ $X$ $.258$ $.258$ $0$ $%610$ $78$ $M76A$ $Z$ $.446$ $.446$ $0$ $%610$ $79$ $M77B$ $X$ $.000159$ $0$ $%610$ $78$ $M76A$ $Z$ $.000276$ $0.00276$ $0$ $%610$ $80$ $M77B$ $Z$ $.000276$ $0.00276$ $0$ $%610$ $81$ $M82B$ $Z$ $.272$ $0$ $%610$ $82$ $M82B$ $Z$ $0$ $0$ $0$ $%610$ $84$ $M83B$ $Z$ $0$ $0$ $0$ $%610$	)0
74 $M72$ $Z$ $A43$ $A43$ $0$ $9616$ $75$ $M73A$ $X$ $A69$ $0$ $9616$ $76$ $M73A$ $Z$ $812$ $0$ $9616$ $76$ $M73A$ $Z$ $812$ $0$ $9616$ $77$ $M76A$ $X$ $258$ $258$ $0$ $9616$ $78$ $M76A$ $Z$ $.446$ $.446$ $0$ $9616$ $79$ $M77B$ $Z$ $.000276$ $0.00276$ $0$ $9616$ $80$ $M77B$ $Z$ $.000276$ $.000276$ $0$ $9616$ $81$ $M82B$ $Z$ $.272$ $.272$ $0$ $9616$ $82$ $M82B$ $Z$ $.000276$ $0.00$ $9616$ $84$ $M83B$ $Z$ $0$ $0$ $0$ $9616$ $84$ $M83B$ $Z$ $0$ $0$ $0$ $9616$	)0
75 $M73A$ $X$ $A69$ $A69$ $0$ $%61$ $76$ $M73A$ $Z$ $812$ $812$ $0$ $%61$ $77$ $M76A$ $X$ $.258$ $.258$ $0$ $%61$ $77$ $M76A$ $Z$ $.446$ $.446$ $0$ $%61$ $79$ $M77B$ $X$ $.000159$ $0.000276$ $0$ $%61$ $80$ $M77B$ $Z$ $.000276$ $.000276$ $0$ $%61$ $81$ $M82B$ $Z$ $.2772$ $.272$ $0$ $%61$ $81$ $M82B$ $Z$ $.2772$ $.272$ $0$ $%61$ $83$ $M83B$ $X$ $0$ $0$ $0$ $%61$ $84$ $M83B$ $Z$ $0$ $0$ $0$ $%61$ $85$ $M85A$ $Z$ $0$ $0$ $%61$ $86$ $M85A$ $Z$ $.272$	)0
12 $1132$ $1132$ $1132$ $1132$ $0$ $1132$ $76$ M73A         Z $812$ $812$ $0$ $9611$ $78$ M76A         Z $.446$ $.446$ $0$ $9611$ $79$ M77B         X $.000159$ $.000159$ $0$ $9611$ $80$ M77B         Z $.000276$ $.000276$ $0$ $9611$ $81$ M82B         X $.157$ $.157$ $0$ $9611$ $81$ M82B         Z $.2722$ $.272$ $0$ $9611$ $82$ M82B         Z $0$ $0$ $0$ $9611$ $84$ M83B         Z $0$ $0$ $0$ $9611$ $84$ M83B         Z $0$ $0$ $0$ $9611$ $85$ M85A         X $0$ $0$ $9611$ $85$ M85A         Z $2722$ $2722$ $0$	)()
T7         MT6A         X         258         258         0         %11           78         M76A         Z         .446         .446         0         %11           79         MT7B         X         .000159         .000159         0         %11           80         M77B         Z         .000276         .000276         0         %11           81         M82B         X         .157         .157         0         %11           82         M82B         Z         .272         .272         0         %11           83         M83B         X         0         0         0         %11           84         M83B         Z         0         0         0         %11           85         M85A         X         0         0         0         %11           86         M85A         Z         0         0         0         %11           88         M87         Z         .272         .272         0         %11           89         M88A         X         .477         .477         0         %11           90         M88A         Z         .857	)0
1.0 $1.200$ <th< td=""><td>0</td></th<>	0
10         110	0
No         No<	0
80         M112         2         .000210         0         701           81         M82B         X         .157         .157         0         %10           82         M82B         Z         .272         .272         0         %10           83         M83B         X         0         0         0         %10           84         M83B         Z         0         0         0         %10           85         M85A         X         0         0         0         %10           86         M85A         Z         0         0         0         %10           86         M87         Z         .272         .272         0         %10           88         M87         Z         .272         .272         0         %10           89         M88A         X         .477         .477         0         %10           90         M88A         Z         .827         .0         %10           91         M90         X         .495         .495         0         %10           92         M90         Z         .857         .857         .0 <t< td=""><td>0</td></t<>	0
0.1 $1.07$ $1.07$ $1.07$ $0.0$ $0.0$ $82$ M82B         Z $2.72$ $2.72$ $0$ $0.6$ $83$ M83B         X $0$ $0$ $0$ $0$ $0.6$ $84$ M83B         Z $0$ $0$ $0$ $0$ $0.6$ $84$ M83B         Z $0$ $0$ $0$ $0$ $0.6$ $85$ M85A         X $0$ $0$ $0$ $0.6$ $0.6$ $86$ M85A         Z $0.6$ $0.6$ $0.6$ $0.6$ $0.6$ $87$ M87         Z $2.72$ $2.72$ $0.6$ $0.6$ $88$ M87         Z $2.72$ $2.72$ $0.6$ $0.61$ $90$ M88A         X $4.77$ $4.77$ $0.6$ $0.61$ $91$ M90         X $4.95$ $4.95$ $0.96$ $0.66$ $92$ M90 <td>0</td>	0
02 $M02D$ $2$ $2/2$ $2/12$ $2/12$ $0$ $0$ 83         M83B         X         0         0         0         0         %10           84         M83B         Z         0         0         0         0         %10           85         M85A         X         0         0         0         0         %10           86         M85A         Z         0         0         0         0         %10           87         M87         X         .157         .157         0         %10           88         M87         Z         .272         .272         0         %10           89         M88A         X         .477         .477         0         %10           90         M88A         Z         .827         .827         0         %10           91         M90         Z         .857         .857         0         %10           92         M90         Z         .857         .857         0         %10           94         MP4B         Z         .429         .429         0         %10	10
30         Mode $X$ $0$ <	0
$O_{T}$ M85D         Z         0 <th< td=""><td>10</td></th<>	10
00         M00/A         X         0         0         0         %10           86         M85A         Z         0         0         0         %10           87         M87         X         .157         .157         0         %10           88         M87         Z         .272         .272         0         %10           89         M88A         X         .477         .477         0         %10           90         M88A         Z         .827         .6827         0         %10           91         M90         X         .495         .495         0         %10           92         M90         Z         .857         .6857         0         %10           92         M90         Z         .857         .247         0         %10           94         MP4B         Z         .429         .429         0         %10           95         MP1B         X         .247         .247         0         %10           96         MP1B         Z         .429         .429         0         %10           98         M102         Z         .474 <td>0</td>	0
b0         M007         Z         0         0         0         %10           87         M87         X         .157         .157         0         %10           88         M87         Z         .272         .272         0         %10           89         M88A         X         .477         .477         0         %10           90         M88A         Z         .827         .0         %10           91         M90         X         .495         .495         0         %10           92         M90         Z         .857         .857         0         %10           93         MP4B         X         .247         .247         0         %10           94         MP4B         Z         .429         .429         0         %10           95         MP1B         X         .247         .247         0         %10           96         MP1B         Z         .429         .429         0         %10           98         M102         X         .273         .273         0         %10           99         M107         X         0         0	10
or         mor         x         .137         .137         0         %10           88         M87         Z         .272         .272         0         %10           89         M88A         X         .477         .477         0         %10           90         M88A         Z         .827         .827         0         %10           91         M90         X         .495         .495         0         %10           92         M90         Z         .857         .857         0         %10           93         MP4B         X         .247         .247         0         %10           94         MP4B         Z         .429         .429         0         %10           95         MP1B         X         .247         .247         0         %10           96         MP1B         Z         .429         .429         0         %10           97         M102         X         .273         .273         0         %10           98         M102         Z         .474         .474         0         %10           99         M107         X <t< td=""><td>0</td></t<>	0
00         1107         2         .212         0         %10           89         M88A         X         .477         .477         0         %10           90         M88A         Z         .827         .827         0         %10           91         M90         X         .495         .495         0         %10           92         M90         Z         .857         .857         0         %10           93         MP4B         X         .247         .247         0         %10           94         MP4B         Z         .429         .429         0         %10           95         MP1B         X         .247         .247         0         %10           96         MP1B         Z         .429         .429         0         %10           97         M102         X         .273         .273         0         %10           98         M102         Z         .474         .474         0         %10           99         M107         X         0         0         0         %10           100         M107         Z         0         0 <td>0</td>	0
05         1000A         A         .411         .411         0         %10           90         M88A         Z         .827         .827         0         %10           91         M90         X         .495         .495         0         %10           92         M90         Z         .857         .857         0         %10           93         MP4B         X         .247         .247         0         %10           94         MP4B         Z         .429         .429         0         %10           95         MP1B         X         .247         .247         0         %10           96         MP1B         Z         .429         .429         0         %10           97         M102         X         .273         .273         0         %10           98         M102         Z         .474         .474         0         %10           99         M107         X         0         0         0         %10           100         M107         Z         0         0         0         %10           101         M111         X         .273<	0
90         MOOA         Z         .027         00         %10           91         M90         X         .495         .495         0         %10           92         M90         Z         .857         .857         0         %10           93         MP4B         X         .247         .247         0         %10           94         MP4B         Z         .429         .429         0         %10           95         MP1B         X         .247         .247         0         %10           96         MP1B         Z         .429         .429         0         %10           97         M102         X         .273         .273         0         %10           98         M102         Z         .474         .474         0         %10           99         M107         X         0         0         0         %10           100         M107         Z         0         0         0         %10           101         M111         X         .273         .273         0         %10	0
91         M90         X         .495         .495         0         %10           92         M90         Z         .857         .857         0         %10           93         MP4B         X         .247         .247         0         %10           94         MP4B         Z         .429         .429         0         %10           95         MP1B         X         .247         .247         0         %10           96         MP1B         Z         .429         .429         0         %10           97         M102         X         .273         .273         0         %10           98         M102         Z         .474         .474         0         %10           99         M107         X         0         0         0         %10           100         M107         Z         0         0         0         %10           101         M111         X         .273         .273         0         %10	0
92         M90         Z         .637         00         %10           93         MP4B         X         .247         .247         0         %10           94         MP4B         Z         .429         .429         0         %10           95         MP1B         X         .247         .247         0         %10           96         MP1B         Z         .429         .429         0         %10           97         M102         X         .273         .273         0         %10           98         M102         Z         .474         .474         0         %10           99         M107         X         0         0         0         %10           100         M107         Z         0         0         %10         %10           101         M111         X         .273         .273         0         %10	0
93         MIF4D         A         .247         .247         0         %10           94         MP4B         Z         .429         .429         0         %10           95         MP1B         X         .247         .247         0         %10           96         MP1B         Z         .429         .429         0         %10           96         MP1B         Z         .429         .429         0         %10           97         M102         X         .273         .273         0         %10           98         M102         Z         .474         .474         0         %10           99         M107         X         0         0         0         %10           100         M107         Z         0         0         %10         %10           101         M111         X         .273         .273         0         %10	0
94         MIP4D         Z         .429         .429         0         %10           95         MP1B         X         .247         .247         0         %10           96         MP1B         Z         .429         .429         0         %10           96         MP1B         Z         .429         .247         0         %10           97         M102         X         .273         .273         0         %10           98         M102         Z         .474         .474         0         %10           99         M107         X         0         0         0         %10           100         M107         Z         0         0         %10         %10           101         M111         X         .273         .273         0         %10	0
95         MIPTB         X         .247         .247         0         %10           96         MP1B         Z         .429         .429         0         %10           97         M102         X         .273         .273         0         %10           98         M102         Z         .474         .474         0         %10           99         M107         X         0         0         0         %10           100         M107         Z         0         0         %10         %10           101         M111         X         .273         .273         0         %10	0
90         MIPTB         Z         .429         .429         0         %10           97         M102         X         .273         .273         0         %10           98         M102         Z         .474         .474         0         %10           99         M107         X         0         0         0         %10           100         M107         Z         0         0         0         %10           101         M111         X         .273         .273         0         %10	0
97         M102         X         .273         .273         0         %10           98         M102         Z         .474         .474         0         %10           99         M107         X         0         0         0         %10           100         M107         Z         0         0         0         %10           101         M111         X         .273         .273         0         %10	0
90         M102         2         .474         .474         0         %10           99         M107         X         0         0         0         %10           100         M107         Z         0         0         %10         %10           101         M111         X         .273         .273         0         %10	0
99         M107         X         0         0         0         %10           100         M107         Z         0         0         %10           101         M111         X         .273         .273         0         %10	<u>10</u>
100         M107         Z         0         0         %10           101         M111         X         .273         .273         0         %10	10
<u>101 M111 X .2/3 .2/3 0 %10</u>	10
	10
102 M111 Z .474 .474 0 %10	10
103 MP3C X .247 .247 0 %10	0
104 MP3C Z .429 .429 0 %10	0
105 MP2C X .247 .247 0 %10	)0
106 MP2C Z .429 .429 0 %10	)0
107 MP3B X .247 .247 0 %10	)0
108 MP3B Z .429 .429 0 %10	)0
109 MP2B X .247 .247 0 %10	)0
110 MP2B Z .429 .429 0 %10	)0
111 M123 X 0 0 0 %10	)0
112 M123 Z 0 0 0 %10	00
113 M124 X .3 .3 0 %10	)0
114 M124 Z .52 .52 0 %10	00

#### 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,%]
115	M125	Х	.3	.3	0	%100
116	M125	Z	.52	.52	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	M20	X	0	0	0	%100
2	M20	Z	.729	.729	0	%100
3	M72A	Х	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M73	Х	0	0	0	%100
6	M73	Z	.683	.683	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	.683	.683	0	%100
9	M75	X	0	0	0	%100
10	M75	Z	1.25	1.25	0	%100
11	M78	X	0	0	0	%100
12	M78	7	18	18	0	%100
13	M79	X	0	0	0	<u>%100</u> %100
14	M79	7	18	18	0	%100
15	M84	X	0	.10	0	%100
16	MQ4	7	0	0	0	%100
17	M85		0	0	0	%100
10	MOS	7	210	210	0	0/100
10	1005 M97A		.310	.310	0	%100
19		7	22	22	0	<u> </u>
20	MIO/A		.33	.33	0	0/ 100
21	IVIO9A	7	0	0	0	<u> </u>
22	MOOA		0	0	0	<u> </u>
23	MOOA	7	210	210	0	0/100
24	MISOA		.310	.310	0	%100
20	IVI92	~ ~	0	0	0	%100
20			.33	.33	0	%100
21		7	0	105	0	%100
20	MP4A		.495	.495	0	%100
29	MP3A	7	0	105	0	%100
30	MP3A		.495	.495	0	%100
31	MP2A	7	0	105	0	%100
<u>32</u>			.490	.495	0	%100
33			0	0	0	%100
34			.495	.495	0	<u>%100</u>
35		X 7	0	0	0	<u>%100</u>
36	OVP	Ζ	.405	.405	0	<u>%100</u>
37	M36	<u> </u>	0	0	0	<u>%100</u>
38	M36	<u> </u>	.182	.182	0	<u>%100</u>
39	<u>M37</u>	<u> </u>	0	0	0	<u>%100</u>
40	M37	Z	.599	.599	0	%100
41	<u>M38</u>	<u> </u>	0	0	0	<u>%100</u>
42	M38	<u> </u>	.1/1	.1/1	0	%100
43	M39	<u> </u>	0	0	0	<u>%100</u>
44	M39	Z	.171	.171	0	%100
45	M40	<u> </u>	0	0	0	<u>%100</u>
46	M40	<u> </u>	.313	.313	0	%100
47	M43	<u> </u>	0	0	0	%100
48	M43	<u> </u>	.155	.155	0	%100
49	M44	<u> </u>	0	0	0	%100
50	M44	Z	.67	.67	0	%100
51	M49	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,%]
52	M49	Z	.943	.943	0	%100
53	M50	Х	0	0	0	%100
54	M50	Z	1.273	1.273	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	1.32	1.32	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	.943	.943	0	%100
59	M55	Х	0	0	0	%100
60	M55	Z	.318	.318	0	%100
61	M57	Х	0	0	0	%100
62	M57	Z	.33	.33	0	%100
63	MP4C	Х	0	0	0	%100
64	MP4C	Z	.495	.495	0	%100
65	MP1C	X	0	0	0	%100
66	MP1C	Z	495	495	0	%100
67	M69	X	0	0	0	%100
68	M69	7	182	182	Ő	%100
69	M70	X	0	0	0	%100
70	M70	7	599	599	0	%100
71	M71	X	0	0	0	%100
72	M71	7	171	171	0	%100
73	M72	X	0	0	0	<u>%100</u> %100
74	M72	7	171	171	0	%100
75	M73A	X			0	<u>%100</u>
76	M73A	7	313	313	0	%100
77	M76A	X	.515	.515	0	%100
78	M76A	7	67	67	0	%100
70	M77B	X	.07	.07	0	%100
80	M77B	7	155	155	0	<u>%100</u>
81	M82B	X	.100	.155	0	%100
82	M82B	7	0/3	0/3	0	%100
83	M83B	X	.343	.343	0	%100
84	M83B	7	318	318	0	%100
85	N85A	X	.510	.510	0	%100
86	M85A	7	33	33	0	%100
87	N87	X	.55	.55	0	%100
88	M87	7	0/3	0/3	0	%100
80	M88A	X	.943	.945	0	%100
<u>09</u>	M88A	7	1 273	1 273	0	<u>%100</u>
01	Maa	X	0	0	0	%100
02	MQA	7	1 32	1 32	0	%100
02	MD/R	X	n.52	0	0	%100
Q/	MD/R	7	105	105	0	%100
05	MP1R	X	.+35	0	0	%100
06	MP1R	7	405	495	0	%100
07	M102	X	.435	.435	0	%100
08	M102	7	720	720	0	%100
00	M10Z	×	.129	.129	0	%100
100	M107	7	182	182	0	%100
101	M111	X	0	0	0	%100
102	M111	7	182	182	0	%100
102	MD2C	×	.102	.102	0	%100
103	MD2C	~ 7	405	405	0	0/100
104	MD2C	Z Y	.495	.495	0	%100
105	MD2C	~ 7	405	405	0	%100
107	MD2D	Z V	.495	.495	0	%100
107	MD2D	~ 7	405	405	0	0/100
ΙUŎ	IVITOD	Ζ.	.490	.495	U	% IUU

Page 160

# 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,%]
109	MP2B	Х	0	0	0	%100
110	MP2B	Z	.495	.495	0	%100
111	M123	Х	0	0	0	%100
112	M123	Z	.2	.2	0	%100
113	M124	Х	0	0	0	%100
114	M124	Z	.801	.801	0	%100
115	M125	Х	0	0	0	%100
116	M125	Z	.2	.2	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	M20	X	273	273	0	%100
2	M20	Z	.474	.474	0	%100
3	M72A	X	1	1	0	%100
4	M72A	Z	.173	.173	0	%100
5	M73	Х	256	256	0	%100
6	M73	Z	.443	.443	0	%100
7	M74	Х	256	256	0	%100
8	M74	Z	.443	.443	0	%100
9	M75	Х	469	469	0	%100
10	M75	Z	.812	.812	0	%100
11	M78	Х	258	258	0	%100
12	M78	Z	.446	.446	0	%100
13	M79	Х	000159	000159	0	%100
14	M79	Z	.000276	.000276	0	%100
15	M84	X	157	157	0	%100
16	M84	Z	.272	.272	0	%100
17	M85	Х	0	0	0	%100
18	M85	Z	0	0	0	%100
19	M87A	Х	0	0	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	X	157	157	0	%100
22	M89A	Z	.272	.272	0	%100
23	M90A	X	477	477	0	%100
24	M90A	Z	.827	.827	0	%100
25	M92	X	495	495	0	%100
26	M92	Z	.857	.857	0	%100
27	MP4A	X	247	247	0	%100
28	MP4A	Z	.429	.429	0	%100
29	MP3A	X	247	247	0	%100
30	MP3A	Z	.429	.429	0	%100
31	MP2A	X	247	247	0	%100
32	MP2A	Z	.429	.429	0	%100
33	MP1A	X	247	247	0	%100
34	MP1A	Z	.429	.429	0	%100
35	OVP	X	202	202	0	%100
36	OVP	Z	.35	.35	0	%100
37	M36	X	273	273	0	%100
38	M36	Z	.474	.474	0	%100
39	M37	X	1	1	0	%100
40	M37	Z	.173	.173	0	%100
41	M38	X	256	256	0	%100
42	M38	Z	.443	.443	0	%100
43	M39	Х	256	256	0	%100
44	M39	Z	.443	.443	0	%100
45	M40	X	469	469	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,%]
46	M40	Z	.812	.812	0	%100
47	M43	X	000159	000159	0	%100
48	M43	Z	.000276	.000276	0	%100
49	M44	X	258	258	0	<u>%100</u>
50	M44	Z	.446	.446	0	%100
51	M49	Х	157	157	0	%100
52	M49	Z	.272	.272	0	%100
53	M50	Х	477	477	0	%100
54	M50	Z	.827	.827	0	%100
55	M52	Х	495	495	0	%100
56	M52	Z	.857	.857	0	%100
57	M54	Х	157	157	0	%100
58	M54	Z	.272	.272	0	%100
59	M55	Х	0	0	0	%100
60	M55	Z	0	0	0	%100
61	M57	Х	0	0	0	%100
62	M57	Z	0	0	0	%100
63	MP4C	Х	247	247	0	%100
64	MP4C	Z	.429	.429	0	%100
65	MP1C	X	247	247	0	%100
66	MP1C	Z	.429	.429	0	%100
67	M69	Х	0	0	0	%100
68	M69	Z	0	0	0	%100
69	M70	Х	399	399	0	%100
70	M70	Z	.692	.692	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	0	0	0	%100
73	M72	X	0	0	0	%100
74	M72	Z	0	0	0	%100
75	M73A	X	0	0	0	%100
76	M73A	7	0	0	0	%100
77	M76A	X	- 245	- 245	0	%100
78	M76A	7	424	424	0	%100
79	M77B	X	- 245	- 245	0	<u>%100</u>
80	M77B	7	425	425	0	%100
81	M82B	X	- 629	- 629	0	%100
82	M82B	7	1 089	1 089	0	%100
83	M83B	X	- 477	- 477	0	%100
84	M83B	7	827	827	0	%100
85	M85A	X	- 495	- 495	0	%100
86	M85A	7	857	857	0	%100
87	M87	X	- 629	- 629	0	%100
88	M87	7	1 089	1 089	0	%100
89	M88A	X	- 477	- 477	0	%100
90	M88A	7	827	827	0	%100
Q1	MQA	X	- 405	_ 105	0	%100
02	MQO	7	857	857	0	%100
02	MD/R	X	_ 247	_ 2/7	0	%100
01	MD/R	7	247	247	0	%100
05		×	.423 0/7	.423 0/7	0	%100
90		~ 7	247	247	0	0/100
90			.429	.429	0	0/ 100
97	IVI 102	7	213	213	0	% 100 % 100
90	N102		.4/4	.4/4	0	%100 %100
39	IVI 107	× 7	213	213	0	70 TUU 0/ 100
100	IVI 107		.4/4	.4/4	0	%100
101	IVI111	X 7	0	0	0	%100
102	IVE 11	Z	U	U	U	%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 %]
103	MP3C	X	247	247	0	%100
104	MP3C	Z	.429	.429	0	%100
105	MP2C	Х	247	247	0	%100
106	MP2C	Z	.429	.429	0	%100
107	MP3B	Х	247	247	0	%100
108	MP3B	Z	.429	.429	0	%100
109	MP2B	Х	247	247	0	%100
110	MP2B	Z	.429	.429	0	%100
111	M123	Х	3	3	0	%100
112	M123	Z	.52	.52	0	%100
113	M124	Х	3	3	0	%100
114	M124	Z	.52	.52	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	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	M20	X	158	158	0	%100
2	M20	Z	.091	.091	0	%100
3	M72A	Х	519	519	0	%100
4	M72A	Z	.3	.3	0	%100
5	M73	Х	148	148	0	%100
6	M73	Z	.085	.085	0	%100
7	M74	Х	148	148	0	%100
8	M74	Z	.085	.085	0	%100
9	M75	Х	271	271	0	%100
10	M75	Z	.156	.156	0	%100
11	M78	Х	58	58	0	%100
12	M78	Z	.335	.335	0	%100
13	M79	Х	134	134	0	%100
14	M79	Z	.078	.078	0	%100
15	M84	Х	817	817	0	%100
16	M84	Z	.472	.472	0	%100
17	M85	Х	276	276	0	%100
18	M85	Z	.159	.159	0	%100
19	M87A	Х	286	286	0	%100
20	M87A	Z	.165	.165	0	%100
21	M89A	Х	817	817	0	%100
22	M89A	Z	.472	.472	0	%100
23	M90A	Х	-1.103	-1.103	0	%100
24	M90A	Z	.637	.637	0	%100
25	M92	Х	-1.143	-1.143	0	%100
26	M92	Z	.66	.66	0	%100
27	MP4A	Х	429	429	0	%100
28	MP4A	Z	.247	.247	0	%100
29	MP3A	Х	429	429	0	%100
30	MP3A	Z	.247	.247	0	%100
31	MP2A	Х	429	429	0	%100
32	MP2A	Z	.247	.247	0	%100
33	MP1A	Х	429	429	0	%100
34	MP1A	Z	.247	.247	0	%100
35	OVP	X	35	35	0	%100
36	OVP	Z	.202	.202	0	%100
37	M36	Х	632	632	0	%100
38	M36	Z	.365	.365	0	%100
39	M37	Х	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	. End Magnitude[lb/ft,F	.Start Location[ft,%]	End Location[ft,%]
40	<u>M37</u>	Z	0	0	0	%100
41	M38	<u> </u>	591	591	0	<u>%100</u>
42	<u>M38</u>	Z	.341	.341	0	<u>%100</u>
43	<u>M39</u>	<u> </u>	591	591	0	<u>%100</u>
44	M39	Z	.341	.341	0	%100
45	<u>M40</u>	<u> </u>	-1.083	-1.083	0	%100
46	M40	Z	.625	.625	0	%100
47	<u>M43</u>	<u> </u>	156	156	0	<u>%100</u>
48	M43	<u> </u>	.09	.09	0	<u>%100</u>
49	M44	<u> </u>	156	156	0	<u>%100</u>
50	M44	Z	.09	.09	0	%100
51	<u>M49</u>	<u> </u>	0	0	0	<u>%100</u>
52	M49	Z	0	0	0	<u>%100</u>
53	<u>M50</u>	<u> </u>	276	276	0	<u>%100</u>
54	M50	Z	.159	.159	0	%100
55	<u>M52</u>	<u> </u>	286	286	0	%100
56	M52	Z	.165	.165	0	%100
57	<u>M54</u>	<u> </u>	0	0	0	<u>%100</u>
58	M54	Z	0	0	0	%100
59	M55	<u>X</u>	276	276	0	%100
60	M55	Z	.159	.159	0	%100
61	<u>M57</u>	<u> </u>	286	286	0	%100
62	M57	Z	.165	.165	0	<u>%100</u>
63	MP4C	<u> </u>	429	429	0	%100
64	MP4C	Z	.247	.247	0	%100
65	MP1C	<u> </u>	429	429	0	<u>%100</u>
66	MP1C	Z	.247	.247	0	<u>%100</u>
67	<u>M69</u>	<u> </u>	158	158	0	<u>%100</u>
68	M69	Z	.091	.091	0	%100
69	<u>M70</u>	<u> </u>	519	519	0	%100
70	<u>M70</u>	Z	.3	.3	0	%100
71	<u>M71</u>	<u> </u>	148	148	0	%100
72	<u>M71</u>	Z	.085	.085	0	<u>%100</u>
73	<u>M72</u>	<u> </u>	148	148	0	<u>%100</u>
74	M72	Z	.085	.085	0	%100
75	M73A	<u> </u>	271	271	0	<u>%100</u>
76	M73A	Z	.156	.156	0	%100
77	M76A	<u> </u>	134	134	0	<u>%100</u>
/8	M76A	<u> </u>	.078	.078	0	<u>%100</u>
/9	<u>M/7B</u>	<u> </u>	581	581	0	%100
80	M/7B	<u> </u>	.335	.335	0	%100
81	<u>M82B</u>	<u> </u>	817	817	0	%100
82	M82B	<u> </u>	.472	.472	0	%100
83	M83B	X	-1.103	-1.103	0	%100
84	M83B	<u> </u>	.637	.63/	0	%100
85	M85A	<u> </u>	-1.143	-1.143	0	%100
86	M85A	<u> </u>	.66	.66	0	%100
87	<u>M87</u>	X	817	817	0	%100
88	M87	<u> </u>	.4/2	.4/2	0	%100
89	M88A	<u> </u>	276	2/6	0	%100
90	M88A	Z	.159	.159	0	%100
91	M90	<u>X</u>	286	286	0	%100
92	M90	Z	.165	.165	0	%100
93	MP4B	<u>X</u>	429	429	0	%100
94	MP4B	Z	.247	.247	0	%100
95	MP1B	X	429	429	0	%100
96	MP1B	Z	.247	.247	0	%100

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Fix\Rev 0\RISA\468184-VZW\_MT\_LO\_H.r3d]

# 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,%]
97	M102	Х	158	158	0	%100
98	M102	Z	.091	.091	0	%100
99	M107	Х	632	632	0	%100
100	M107	Z	.365	.365	0	%100
101	M111	Х	158	158	0	%100
102	M111	Z	.091	.091	0	%100
103	MP3C	Х	429	429	0	%100
104	MP3C	Z	.247	.247	0	%100
105	MP2C	Х	429	429	0	%100
106	MP2C	Z	.247	.247	0	%100
107	MP3B	Х	429	429	0	%100
108	MP3B	Z	.247	.247	0	%100
109	MP2B	Х	429	429	0	%100
110	MP2B	Z	.247	.247	0	%100
111	M123	Х	693	693	0	%100
112	M123	Z	.4	.4	0	%100
113	M124	Х	173	173	0	%100
114	M124	Z	.1	.1	0	%100
115	M125	Х	173	173	0	%100
116	M125	Z	.1	.1	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	M20	Х	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M72A	Х	799	799	0	%100
4	M72A	Z	0	0	0	%100
5	M73	Х	0	0	0	%100
6	M73	Z	0	0	0	%100
7	M74	Х	0	0	0	%100
8	M74	Z	0	0	0	%100
9	M75	Х	0	0	0	%100
10	M75	Z	0	0	0	%100
11	M78	Х	49	49	0	%100
12	M78	Z	0	0	0	%100
13	M79	Х	49	49	0	%100
14	M79	Z	0	0	0	%100
15	M84	Х	-1.258	-1.258	0	%100
16	M84	Z	0	0	0	%100
17	M85	Х	955	955	0	%100
18	M85	Z	0	0	0	%100
19	M87A	Х	99	99	0	%100
20	M87A	Z	0	0	0	%100
21	M89A	Х	-1.258	-1.258	0	%100
22	M89A	Z	0	0	0	%100
23	M90A	Х	955	955	0	%100
24	M90A	Z	0	0	0	%100
25	M92	Х	99	99	0	%100
26	M92	Z	0	0	0	%100
27	MP4A	Х	495	495	0	%100
28	MP4A	Z	0	0	0	%100
29	MP3A	Х	495	495	0	%100
30	MP3A	Z	0	0	0	%100
31	MP2A	Х	495	495	0	%100
32	MP2A	Z	0	0	0	%100
33	MP1A	Х	495	495	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,%]
34	MP1A	Z	0	0	0	%100
35	OVP	X	405	405	0	%100
36	OVP	Z	0	0	0	%100
37	M36	X	547	547	0	%100
38	M36	Z	0	0	0	%100
39	M37	Х	2	2	0	%100
40	M37	Z	0	0	0	%100
41	M38	Х	512	512	0	%100
42	M38	Z	0	0	0	%100
43	M39	Х	512	512	0	%100
44	M39	Z	0	0	0	%100
45	M40	X	- 938	- 938	0	%100
46	M40	7	0	0	Ő	%100
47	M43	X	- 515	- 515	0	%100
48	M43	7	0	0	0	%100
49	M44	X	- 000319	- 000319	0	%100
50	M44	7	0	0	0	%100
51	M49	X	- 314	- 314	0	%100
52	M49	7	0	0	0	%100
53	M50	X	0	0	0	%100
54	M50	7	0	0	0	%100
55	M52	X	0	0	0	%100
56	M52	7	0	0	0	%100
57	M54	X	- 314	- 314	0	<u>%100</u>
58	M54	7	0	0	0	%100
59	M55	X	- 955	- 955	0	<u>%100</u>
60	M55	7	555	000	0	%100
61	M57	X	_ 99	_ 99	0	<u>%100</u>
62	M57	7	0	00	0	%100
63	MP4C	X	- 495	- 495	0	<u>%100</u>
64	MP4C	7	0	0	0	%100
65	MP1C	X	- 495	- 495	0	<u>%100</u>
66	MP1C	7	0	0	0	%100
67	M69	X	- 547	- 547	0	<u>%100</u>
68	M69	7	0	0	0	%100
69	M70	X	- 2	- 2	0	<u>%100</u>
70	M70	7	0	0	0	%100
71	M71	X	_ 512	- 512	0	<u>%100</u>
72	M71	7	512	012	0	%100
73	M72	X	- 512	- 512	0	%100
74	M72	7	512	0	0	%100
75	M73Δ	X	- 038	_ 038	0	%100
76	M73Δ	7	550	000	0	%100
77	M76A	X	- 000319	- 000319	0	%100
78	M76A	7	0	0	0	%100
70	M77R	X	- 516	- 516	0	%100
80	M77R	7	510	510	0	%100
<u>81</u>	Maar	X	_ 31/	_ 31/	0	%100
82	M82B	7	314	314	0	%100
82	M82B	X	_ 055	_ 055	0	%100
84	M83B	7	900	900	0	%100
<u>85</u>	MQSA	×	00	00	0	%100
96	MQ5A	~ 7	99	39	0	0/100
87	MQ7	X	_ 31/	_ 31/	0	%100
07	IVIO/ MQ7	~ 7	314	314	0	%100
80		Z V	0	0	0	%100
09		~ 7	0	0	0	0/100
90	IVIOOA		U	U	U	70100

# 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,%]
91	M90	Х	0	0	0	%100
92	M90	Z	0	0	0	%100
93	MP4B	Х	495	495	0	%100
94	MP4B	Z	0	0	0	%100
95	MP1B	Х	495	495	0	%100
96	MP1B	Z	0	0	0	%100
97	M102	Х	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M107	Х	547	547	0	%100
100	M107	Z	0	0	0	%100
101	M111	Х	547	547	0	%100
102	M111	Z	0	0	0	%100
103	MP3C	Х	495	495	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	Х	495	495	0	%100
106	MP2C	Z	0	0	0	%100
107	MP3B	Х	495	495	0	%100
108	MP3B	Z	0	0	0	%100
109	MP2B	Х	495	495	0	%100
110	MP2B	Z	0	0	0	%100
111	M123	Х	601	601	0	%100
112	M123	Z	0	0	0	%100
113	M124	Х	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	Х	601	601	0	%100
116	M125	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	M20	Х	158	158	0	%100
2	M20	Z	091	091	0	%100
3	M72A	Х	519	519	0	%100
4	M72A	Z	3	3	0	%100
5	M73	Х	148	148	0	%100
6	M73	Z	085	085	0	%100
7	M74	Х	148	148	0	%100
8	M74	Z	085	085	0	%100
9	M75	Х	271	271	0	%100
10	M75	Z	156	156	0	%100
11	M78	Х	134	134	0	%100
12	M78	Z	078	078	0	%100
13	M79	Х	581	581	0	%100
14	M79	Z	335	335	0	%100
15	M84	Х	817	817	0	%100
16	M84	Z	472	472	0	%100
17	M85	Х	-1.103	-1.103	0	%100
18	M85	Z	637	637	0	%100
19	M87A	Х	-1.143	-1.143	0	%100
20	M87A	Z	66	66	0	%100
21	M89A	Х	817	817	0	%100
22	M89A	Z	472	472	0	%100
23	M90A	Х	276	276	0	%100
24	M90A	Z	159	159	0	%100
25	M92	Х	286	286	0	%100
26	M92	Z	165	165	0	%100
27	MP4A	Х	429	429	0	%100

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

$\begin{array}{c c c c c c c c c c c c c c c c c c c $	1 1 0 0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	<u>%100</u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	<u>%100</u>
31         MP2A         X $429$ $429$ 0           32         MP2A         Z $247$ $247$ 0         0           33         MP1A         X $429$ $247$ 0         0           34         MP1A         Z $247$ $247$ 0         0           35         OVP         X $35$ $35$ 0         0           36         OVP         Z $202$ $202$ 0         0           37         M36         X $158$ $158$ 0         0           39         M37         X $519$ 0         0         0           40         M37         Z $3$ $3$ 0         0         0           41         M38         Z $085$ $0085$ 0         0         0           42         M38         Z $085$ $0085$ 0         0         0           43         M39         X $148$ $148$ 0         0         0 <td>%100</td>	%100
32         MP2A         Z        247        247         0           33         MP1A         X        429        429         0         0           34         MP1A         Z        247        247         0         0           35         OVP         X        35        35         0         0           36         OVP         Z        202        202         0         0           37         M36         X        158         0         0         0           38         M36         Z        091         0.0         0         0           40         M37         X        519         .519         0         0           41         M38         X        148         .148         0         0           42         M38         Z        085        085         0         0         0           43         M39         X        148         .148         0         0         0           44         M39         Z        085        085         0         0         0           45         M40	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	%100
34         MP1A         Z $247$ $247$ 0           35         OVP         X $35$ $35$ 0         0           36         OVP         Z $202$ $202$ 0         0           37         M36         X $158$ $158$ 0         0           38         M36         Z $091$ $091$ 0         0           39         M37         X $519$ $0$ 0         0           40         M37         Z $3$ $3$ $0$ 0           41         M38         X $148$ $148$ $0$ 0           42         M38         Z $085$ $085$ 0         0           43         M39         X $148$ $148$ $0$ 0           44         M39         Z $085$ $085$ 0         0           45         M40         X $2711$ $2711$ 0         0           46         M43         <	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	%100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	%100
41       M38       X      148      148       0       0         42       M38       Z      085      085       0       0         43       M39       X      148      148       0       0         44       M39       Z      085      085       0       0         44       M39       Z      085      085       0       0         45       M40       X      271      271       0       0         46       M40       Z      156      156       0       0         47       M43       X      58      58       0       0         48       M43       Z      335      335       0       0         49       M44       X      134       0       0       0         50       M44       Z      078      078       0       0         51       M49       X      817      817       0       0       0         52       M49       Z      472      472       0       0       0       0         53       M50	%100
42       M38       Z $085$ $085$ $0$ 43       M39       X $148$ $148$ $0$ 44       M39       Z $085$ $085$ $0$ 45       M40       X $271$ $271$ $0$ 46       M40       Z $156$ $0$ $0$ 47       M43       X $58$ $0$ $0$ 48       M43       Z $335$ $335$ $0$ $0$ 49       M44       X $134$ $134$ $0$ $0$ 50       M44       Z $078$ $0$ $0$ $0$ 51       M49       X $817$ $0$ $0$ $0$ 52       M49       Z $472$ $472$ $0$ $0$ $0$ 53       M50       Z $159$ $159$ $0$ $0$ $0$ 54       M50       Z $165$ $286$ $0$ $0$ $0$ 55       M52       Z	%100
43       M39       X      148      148       0       0         44       M39       Z      085      085       0       0         45       M40       X      271      271       0       0         46       M40       Z      156      156       0       0         47       M43       X      58      58       0       0         48       M43       Z      335      335       0       0         49       M44       X      134      134       0       0         50       M44       Z      078      078       0       0         51       M49       X      817      817       0       0         52       M49       Z      472      472       0       0         53       M50       X      276      276       0       0       0         54       M50       Z      159      159       0       0       0       0         55       M52       Z      165      165       0       0       0       0       0	%100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	%100
45       M40       X $271$ $271$ 0 $46$ M40       Z $156$ $156$ 0       0 $47$ M43       X $58$ $58$ 0       0 $48$ M43       Z $335$ $335$ 0       0 $49$ M44       X $134$ $134$ 0       0 $50$ M44       Z $078$ $078$ 0       0 $50$ M44       Z $078$ $078$ 0       0 $51$ M49       X $817$ $817$ 0       0 $51$ M49       Z $472$ $472$ 0       0 $52$ M49       Z $276$ $276$ 0       0 $53$ M50       X $276$ $276$ 0       0 $55$ M52       X $286$ $286$ 0       0 $56$ M52       Z $165$ $165$ 0       0 $58$ <t< td=""><td>%100</td></t<>	%100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	%100
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	%100
48       M43       Z      335      335       0         49       M44       X      134      134       0       0         50       M44       Z      078      078       0       0         51       M49       X      817      817       0       0         52       M49       Z      472      472       0       0         53       M50       X      276      276       0       0         54       M50       Z      159      159       0       0         55       M52       X      286      286       0       0         56       M52       Z      165       0       0       0         58       M54       Z      472      472       0       0	%100
10       110       12       1.000       1.000       0         49       M44       X      134      134       0       0         50       M44       Z      078      078       0       0         51       M49       X      817      817       0       0         52       M49       Z      472      472       0       0         53       M50       X      276      276       0       0         54       M50       Z      159      159       0       0         55       M52       X      286      286       0       0         56       M52       Z      165       0       0       0         57       M54       X      817      817       0       0         58       M54       Z      472      472       0       0	%100
50         M44         Z        107        107         0           50         M44         Z        078        078         0         0           51         M49         X        817         0         0         0           52         M49         Z        472        472         0         0           53         M50         X        276        276         0         0           54         M50         Z        159        159         0         0           55         M52         X        286        286         0         0           56         M52         Z        165         0         0         0           57         M54         X        817        817         0         0           58         M54         Z        472        472         0         0         0	%100
50     1014     2    010    010     0       51     M49     X    817    817     0     0       52     M49     Z    472    472     0     0       53     M50     X    276    276     0     0       54     M50     Z    159     0     0       55     M52     X    286    286     0     0       56     M52     Z    165     0     0     0       57     M54     X    817    817     0     0       58     M54     Z    472    472     0     0	%100
51     M49     Z    017    017     0       52     M49     Z    472     0     0       53     M50     X    276     0     0       54     M50     Z    159     0     0       55     M52     X    286     0     0       56     M52     Z    165     0     0       57     M54     X    817    817     0       58     M54     Z    472    472     0	%100
52     1112    472    472     0       53     M50     X    276    276     0       54     M50     Z    159     0     0       55     M52     X    286    286     0       56     M52     Z    165     0     0       57     M54     X    817    817     0       58     M54     Z    472    472     0	%100
53         M50         X        270        270         0           54         M50         Z        159         0         0         0           55         M52         X        286        286         0         0         0           56         M52         Z        165         0         0         0         0           57         M54         X        817        817         0         0         0           58         M54         Z        472        472         0         0         0	%100
54         1050         2        139         0           55         M52         X        286        286         0         0           56         M52         Z        165         0         0         0         0           57         M54         X        817        817         0         0           58         M54         Z        472        472         0         0	%100
55         M52         Z        260        260         0           56         M52         Z        165        165         0         0           57         M54         X        817        817         0         0           58         M54         Z        472        472         0         0	%100
50         1052         2        105        105         0           57         M54         X        817        817         0         0           58         M54         Z        472        472         0         0	%100
57         10134         A        017        017         0           58         M54         Z        472        472         0         0	%100
<u> </u>	%100
	%100
Ja         IVIJJ         A         -1.103         -1.103         0           60         M55         7         627         627         0         0	26100
00         IVIJJ         Z        037        037         0           61         M57         Y         1.142         1.142         0         0	%100
01         IVIJ/         A         -1.143         U           62         M57         7         66         66         0	26100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	26100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	70 TUU
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	70 100 0/ 100
00 IVIPTIC A429429 U	70 IUU
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	// 100
07 IVI09 X032032 U	<u>% 100</u>
100 $1009$ $2$ $365$ $365$ $0$	<u>%100</u>
<u>69 M/U X U U 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </u>	<u>%100</u>
10 M/0 $2$ 0 0 0 0	<u>%100</u>
<u>/1 M/1 X591 0 0</u>	<u>%100</u>
$\frac{72}{70}$ M/1 $\frac{2}{70}$ 341341 0	<u>%100</u>
<u>/3 M72 X591591 0 0</u>	<u>%100</u>
<u>74 M72 Z341341 0 0 0</u>	<u>%100</u>
75 M73A X -1.083 -1.083 0	<u>%100</u>
76 M73A Z625625 0	%100
77 M76A X156156 0	<u>%100</u>
78 M76A Z0909 0	%100
79 M77B X156 0	<u>%100</u>
80 M77B Z0909 0	%100
81 M82B X 0 0 0	<u>%100</u>
82 M82B Z 0 0 0 0	%100
83 M83B X276276 0	%100
84 M83B Z159159 0	

# 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,%]
85	M85A	Х	286	286	0	%100
86	M85A	Z	165	165	0	%100
87	M87	Х	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88A	Х	276	276	0	%100
90	M88A	Z	159	159	0	%100
91	M90	Х	286	286	0	%100
92	M90	Z	165	165	0	%100
93	MP4B	Х	429	429	0	%100
94	MP4B	Z	247	247	0	%100
95	MP1B	Х	429	429	0	%100
96	MP1B	Z	247	247	0	%100
97	M102	Х	158	158	0	%100
98	M102	Z	091	091	0	%100
99	M107	Х	158	158	0	%100
100	M107	Z	091	091	0	%100
101	M111	Х	632	632	0	%100
102	M111	Z	365	365	0	%100
103	MP3C	Х	429	429	0	%100
104	MP3C	Z	247	247	0	%100
105	MP2C	Х	429	429	0	%100
106	MP2C	Z	247	247	0	%100
107	MP3B	Х	429	429	0	%100
108	MP3B	Z	247	247	0	%100
109	MP2B	Х	429	429	0	%100
110	MP2B	Z	247	247	0	%100
111	M123	Х	173	173	0	%100
112	M123	Z	1	1	0	%100
113	M124	X	173	173	0	%100
114	M124	Z	1	1	0	%100
115	M125	Х	693	693	0	%100
116	M125	Z	4	- 4	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	M20	Х	273	273	0	%100
2	M20	Z	474	474	0	%100
3	M72A	Х	1	1	0	%100
4	M72A	Z	173	173	0	%100
5	M73	Х	256	256	0	%100
6	M73	Z	443	443	0	%100
7	M74	Х	256	256	0	%100
8	M74	Z	443	443	0	%100
9	M75	Х	469	469	0	%100
10	M75	Z	812	812	0	%100
11	M78	Х	000159	000159	0	%100
12	M78	Z	000276	000276	0	%100
13	M79	Х	258	258	0	%100
14	M79	Z	446	446	0	%100
15	M84	Х	157	157	0	%100
16	M84	Z	272	272	0	%100
17	M85	Х	477	477	0	%100
18	M85	Z	827	827	0	%100
19	M87A	Х	495	495	0	%100
20	M87A	Z	857	857	0	%100
21	M89A	Х	157	157	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,%]
22	M89A	Z	272	272	0	%100
23	M90A	X	0	0	0	%100
24	M90A	Z	0	0	0	%100
25	M92	X	0	0	0	%100
26	M92	Z	0	0	0	%100
27	MP4A	Х	247	247	0	%100
28	MP4A	Z	429	429	0	%100
29	MP3A	Х	247	247	0	%100
30	MP3A	Z	429	429	0	%100
31	MP2A	Х	247	247	0	%100
32	MP2A	Z	429	429	0	%100
33	MP1A	X	247	247	0	%100
34	MP1A	Z	- 429	- 429	0	%100
35	OVP	X	- 202	- 202	0	<u>%100</u>
36	OVP	7	- 35	- 35	0	%100
37	M36	X	0	0	0	%100
38	M36	7	0	0	0	%100
39	M37	X	- 300	- 399	0	%100
40	M37	7	- 692	- 692	0	%100
41	M38	×	0	0	0	%100
42	M38	7	0	0	0	%100
13	M39	X	0	0	0	%100
43	M39	7	0	0	0	%100
44	N39	Z V	0	0	0	%100
45	M40	7	0	0	0	%100
40	N40	Z V	245	245	0	%100
47	N43	7	245	243	0	<u> </u>
40			424	424	0	<u> </u>
50	N44	7	245	245	0	%100
50	<u>IVI44</u>		420	420	0	<u> </u>
51	N49	~ 7	029	029	0	<u> </u>
52	<u>IVI49</u>		-1.009	-1.009	0	<u> </u>
55	MEO	~ 7	4/7	4//	0	<u> </u>
55	N50		027	027	0	<u>%100</u> 9/ 100
55	N52	~ 7	490	495	0	0/ 100
50			100	00/	0	%100
57	NE4	<u> </u>	029	029	0	%100
50	IVI34		-1.089	-1.089	0	%100
59	IVIDD MEE	× 7	4//	4//	0	%100
60		<u> </u>	827	827	0	%100
01		X	495	495	0	%100
62			85/	85/	0	%100
63	MP4C	X	247	247	0	%100
64	MP4C		429	429	0	%100
65	MP1C	X	247	247	0	%100
66	MPTC		429	429	0	%100
0/	1/109	X	213	2/3	0	%100
68	NI69	<u> </u>	4/4	4/4	0	%100
69	M/0	X	1	1	0	%100
70	M/0	<u> </u>	1/3	1/3	0	%100
/1	M/1	<u> </u>	256	256	0	%100
72	M71		443	443	0	%100
73	M72	<u>X</u>	256	256	0	%100
74	M72	Z	443	443	0	%100
75	M73A	X	469	469	0	%100
76	M73A	Z	812	812	0	%100
77	M76A	X	258	258	0	%100
78	M76A	Z	446	446	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,%]
79	M77B	Х	000159	000159	0	%100
80	M77B	Z	000276	000276	0	%100
81	M82B	Х	157	157	0	%100
82	M82B	Z	272	272	0	%100
83	M83B	Х	0	0	0	%100
84	M83B	Z	0	0	0	%100
85	M85A	Х	0	0	0	%100
86	M85A	Z	0	0	0	%100
87	M87	Х	157	157	0	%100
88	M87	Z	272	272	0	%100
89	M88A	Х	477	477	0	%100
90	M88A	Z	827	827	0	%100
91	M90	Х	495	495	0	%100
92	M90	Z	857	857	0	%100
93	MP4B	Х	247	247	0	%100
94	MP4B	Z	429	429	0	%100
95	MP1B	Х	247	247	0	%100
96	MP1B	Z	429	429	0	%100
97	M102	Х	273	273	0	%100
98	M102	Z	474	474	0	%100
99	M107	Х	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M111	Х	273	273	0	%100
102	M111	Z	474	474	0	%100
103	MP3C	Х	247	247	0	%100
104	MP3C	Z	429	429	0	%100
105	MP2C	Х	247	247	0	%100
106	MP2C	Z	429	429	0	%100
107	MP3B	Х	247	247	0	%100
108	MP3B	Z	429	429	0	%100
109	MP2B	Х	247	247	0	%100
110	MP2B	Z	429	429	0	%100
111	M123	Х	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	Х	3	3	0	%100
114	M124	Z	52	52	0	%100
115	M125	Х	3	3	0	%100
116	M125	7	- 52	- 52	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	. End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	M78	Y	-2.081	-4.591	0	.764
2	M78	Y	-4.591	-6.061	.764	1.529
3	M78	Y	-6.061	-7.522	1.529	2.293
4	M78	Y	-7.522	-7.15	2.293	3.058
5	M78	Y	-7.15	-3.914	3.058	3.822
6	M79	Y	-3.887	-7.063	0	.765
7	M79	Y	-7.063	-7.365	.765	1.529
8	M79	Y	-7.365	-5.727	1.529	2.294
9	M79	Y	-5.727	-4.344	2.294	3.059
10	M79	Y	-4.344	-2.28	3.059	3.823
11	M76A	Y	-2.084	-4.593	0	.764
12	M76A	Y	-4.593	-6.065	.764	1.529
13	M76A	Y	-6.065	-7.526	1.529	2.293
14	M76A	Y	-7.526	-7.148	2.293	3.058
15	M76A	Y	-7.148	-3.906	3.058	3.822

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

	Member Label	Direction	Start Magnitude[lb/ft,	. End Magnitude[lb/ft,F	.Start Location[ft,%]	End Location[ft,%]
16	M77B	Y	-3.886	-7.064	0	.765
17	M77B	Y	-7.064	-7.366	.765	1.529
18	M77B	Y	-7.366	-5.727	1.529	2.294
19	M77B	Y	-5.727	-4.342	2.294	3.059
20	M77B	Y	-4.342	-2.276	3.059	3.823
21	M43	Y	-2.084	-4.593	0	.764
22	M43	Y	-4.593	-6.065	.764	1.529
23	M43	Y	-6.065	-7.526	1.529	2.293
24	M43	Y	-7.526	-7.148	2.293	3.058
25	M43	Y	-7.148	-3.906	3.058	3.822
26	M44	Y	-3.886	-7.064	0	.765
27	M44	Y	-7.064	-7.366	.765	1.529
28	M44	Y	-7.366	-5.727	1.529	2.294
29	M44	Y	-5.727	-4.342	2.294	3.059
30	M44	Y	-4.342	-2.276	3.059	3.823

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

	Member Label	Direction	Start Magnitude[lb/ft,	. End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	M78	Y	-5.411	-11.938	0	.764
2	M78	Y	-11.938	-15.759	.764	1.529
3	M78	Y	-15.759	-19.558	1.529	2.293
4	M78	Y	-19.558	-18.591	2.293	3.058
5	M78	Y	-18.591	-10.177	3.058	3.822
6	M79	Y	-10.106	-18.364	0	.765
7	M79	Y	-18.364	-19.15	.765	1.529
8	M79	Y	-19.15	-14.891	1.529	2.294
9	M79	Y	-14.891	-11.293	2.294	3.059
10	M79	Y	-11.293	-5.928	3.059	3.823
11	M76A	Y	-5.417	-11.943	0	.764
12	M76A	Y	-11.943	-15.769	.764	1.529
13	M76A	Y	-15.769	-19.566	1.529	2.293
14	M76A	Y	-19.566	-18.584	2.293	3.058
15	M76A	Y	-18.584	-10.155	3.058	3.822
16	M77B	Y	-10.105	-18.365	0	.765
17	M77B	Y	-18.365	-19.15	.765	1.529
18	M77B	Y	-19.15	-14.89	1.529	2.294
19	M77B	Y	-14.89	-11.289	2.294	3.059
20	M77B	Y	-11.289	-5.918	3.059	3.823
21	M43	Y	-5.417	-11.943	0	.764
22	M43	Y	-11.943	-15.769	.764	1.529
23	M43	Y	-15.769	-19.566	1.529	2.293
24	M43	Y	-19.566	-18.584	2.293	3.058
25	M43	Y	-18.584	-10.155	3.058	3.822
26	M44	Y	-10.105	-18.365	0	.765
27	M44	Y	-18.365	-19.15	.765	1.529
28	M44	Y	-19.15	-14.89	1.529	2.294
29	M44	Y	-14.89	-11.289	2.294	3.059
30	M44	Y	-11.289	-5.918	3.059	3.823

# Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N116A	N117	N122	N121	Y	Two Way	005
2	N105	N104	N108	N109	Y	Two Way	005
3	N59	N58	N62	N63	Y	Two Way	005

# Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N116A	N117	N122	N121	Y	Two Way	013
2	N105	N104	N108	N109	Y	Two Way	013
3	N59	N58	N62	N63	Y	Two Way	013

# **Envelope Joint Reactions**

=

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
1	N112A	max	1146.069	10	2528.832	13	2477.253	1	6843.697	13	2125.176	4	152.156	4
2		min	-1147.912	4	585.681	7	-2719.962	7	744.615	7	-2126.068	10	-150.077	10
3	N54	max	1891.366	9	2372.665	21	1516.455	1	-445.945	3	2154.206	12	-699.618	3
4		min	-2101.014	3	548.498	3	-1394.491	7	-3276.149	21	-2155.41	6	-5689.844	21
5	N100	max	2159.229	11	2375.277	17	1388.612	12	-382.275	11	1870.463	8	5696.071	17
6		min	-1948.425	5	550.591	11	-1265.826	6	-3371.547	29	-1871.236	2	742.501	11
7	Totals:	max	5043.19	10	6954.252	20	5365.866	1						
8		min	-5043.189	4	3132.632	2	-5365.867	7						

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

1         M20         PIPE 3.0         .205         4.083         18         .079         9.917         7         22812.1.         65205         5748.75         2H1-1b           2         M72A         HSS4X4X3         .251         2.406         14         .050         .251         2         8         104351106812         12661.5         1.2661.5         1.2661.5         1H1-1b           4         M74         HSS4X4X3         .260         0         24         .052         2.166         2         6         104351106812         12661.5         1.2661.5         1H1-1b           5         M75         PL1/2x6         .074         .547         7         .066         V         12         62895.0         .97200         1012.5         1.2150         1H1-1b           6         M78         L2x2x3         .156         3.822         .015         0         V         102         71260.772000         569.533         9112.5         1H1-1b           9         M85         PL3/8x6         .207         0         10         .121         0         V         18         71601.7.         72900         569.533         9112.5         1H1-1b         1H1-1b		Member	Shape	Code Check	Loc[	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc	phi*Pnt	phi*Mn	. phi*Mn .	<u>Cb</u>	Eqn
2         M72A         HSS4X4X4         .427         0         15         .068         0         v         11110105_113018         1161005_12         1161005_11	1	M20	PIPE 3.0	.205	4.083	18	.079	9.917		7	22812.1	65205	5748.75	5748.75	5 2	H1-1b
3         MT3         HSS4X4X3         .251         2.40         14	2	M72A	HSS4X4X4	.427	0	15	.068	0	у	14	116105	139518	16180.5	16180.5	5 2	H1-1b
4         M74         HSS4X4X3         260         0         24         .052         2.156         z         10431106812         12861.5         12661.5         1261.5         1261.5         1261.5         1261.5         1261.5         1261.5         1261.5         1261.5         1261.5         121.5         1         11.1         102.5         121.5         1         11.1         102.5         121.5         1         11.1	3	M73	HSS4X4X3	.251	2.406	14	.050	.251	Ζ	8	104351	106812	12661.5	12661.5	5 1	H1-1b
5         M75         PL1/2x6         074         547         7         0.066         0         y         16         28299.0	4	M74	HSS4X4X3	.260	0	24	.052	2.156	Ζ	6	104351	106812	12661.5	12661.5	5 1	H1-1b
6         M78         L2x2x3         .156         .3822         2         .017         .3833         y         22         11283.0.:23392.8         557.717         1105.8991         H2-1           7         M79         L2x2x3         .158         .3823         12         .017         .3823         y         22         11247.123392.8         557.717         1105.8991         H2-1           8         M84         PL3/8x6         .136         0         5         .126         0         y         13         71601.772900         569.533         9112.5         1H1-1b           10         M87A         PL1/2x6         .030         .125         2         96648.997200         1012.5         1215.0         1H1-1b           12         M90A         PL3/8x6         .165         0         10         .121         0         y         13         71601.7.72900         569.533         9112.5         1H1-1b           13         M92         PL1/2x6         .031         .125         0         18         71601.7.72900         569.533         9112.5         1H1-1b           14         M92         PL1/2x6         .0314         .3625         9         .0866.7.	5	M75	PL1/2x6	.074	.547	7	.066	0	y	23	62895.0	97200	1012.5	12150	1	H1-1b
7         M79         L2x2x3         .158         3.823         12         .017         3.823         y         22         11247.1.23392.8         557.717         1105.8991         H2.1           8         M84         PL3/8x6         .207         0         10         .431         0         y         20         71260.7.         72900         569.533         9112.5         1         H1-1b           10         M87A         PL1/2x6         .030         .125         2         .080         .125         y         22         96648.9.         .97200         1012.5         12150         1         H1-1b           11         M89A         PL3/8x6         .273         0         10         .394         0         y         18         71601.7.         .72900         569.533         9112.5         1         H1-1b           12         M90A         PL3/8x6          .031         .125         6         .057         .125         y         4         96648.9.         .97200         1012.5         12150         1         H1-1b           13         M92         PL1/2x6         .031         .3625         .050         3.625         9 <td< td=""><td>6</td><td>M78</td><td>L2x2x3</td><td>.156</td><td>3.822</td><td>2</td><td>.015</td><td>0</td><td>y</td><td>16</td><td>11253.0</td><td>.23392.8</td><td>557.717</td><td>1104.71</td><td>51</td><td>H2-1</td></td<>	6	M78	L2x2x3	.156	3.822	2	.015	0	y	16	11253.0	.23392.8	557.717	1104.71	51	H2-1
8         M84         PL3/8x6        207         0         10        431         0         y         20         71260.772900         569.533         9112.5         1H1-1b           9         M87         PL3/8x6        136         0         5        126         0         y         13         71601.772900         569.533         9112.5         1H1-1b           10         M87A         PL1/2x6        030        125         2        080	7	M79	L2x2x3	.158	3.823	12	.017	3.823	y	22	11247.1	23392.8	557.717	1105.89	91	H2-1
9         M85         PL3/8x6        136         0         5        126         0         v         13         71601.7         72900         569.533         9112.5         1H1-1b           10         M87A         PL1/2x6        030         .125         2        080        125         v         2         96648.9         97200         1012.5         12H1-1b           11         M89A         PL3/8x6        165         0         10        121         0         v         13         71601.772900         569.533         9112.5         1H1-1b           13         M92         PL1/2x6        311        125         6        057         12.5         v         4         96648.997200         1012.5         12H1-1b           14         MPAA         PIPE 2.0        323        625         5        050        423         20866.732130         1871.625         1871.625         1H1-1b           16         MP2A         PIPE 2.0        365         3.625         9        066        23130         1871.625         1871.625         1H1-1b           17         MP1A         PIPE 2.0        3	8	M84	PL3/8x6	.207	0	10	.431	0	y	20	71260.7	72900	569.533	9112.5	5 1	H1-1b
10       M87A       PL1/2x6       .030       .125       2       .080       .125       y       22       96648.9       97200       1012.5       12150       1H1-1b         11       M89A       PL3/8x6       .273       0       10       .394       0       y       18       71601.772900       569.533       9112.5       1H1-1b         12       M90A       PL3/8x6       .031       .125       6       .057       .125       y       4       96648.997200       1012.5       12.150       1H1-1b         13       M92       PL1/2x6       .031       .125       5       .081       3.625       6       20866.732130       1871.625       1H1-1b         14       MP4A       PIPE 2.0       .365       3.625       9       .080       3.625       3       20866.732130       1871.625       1H1-1b         16       MP2A       PIPE 2.0       .365       3.625       9       .080       3.625       8       20866.732130       1871.625       1H1-1b         17       MP1A       PIPE 2.0       .365       3.625       9       .084       3.625       8       20866.732130       1871.625       1H1-1	9	M85	PL3/8x6	.136	0	5	.126	0	y	13	71601.7	72900	569.533	9112.5	<u>;</u> 1	H1-1b
11       M89A       PL3/8x6       .273       0       10       .394       0       v       18       71200.7.72900       569.533       9112.5       1H1-1b         12       M90A       PL3/8x6       .165       0       10       .121       0       v       13       71601.7.7.72900       569.533       9112.5       1H1-1b         13       M92       PL1/2x6       .031       .125       6       .0567.125       v       4       9648.9.97200       1012.5       12150       1H1-1b         14       MP4A       PIPE_2.0       .323       .625       5       .050       .3625       9       20866.732130       1871.625       1871.625       1H1-1b         15       MP1A       PIPE 2.0       .364       2       4       .0616       2       10       28843.432130       1871.625       1871.625       1H1-1b         18       OVP       PIPE 2.0       .084       2       4       .0016       2       10       28843.432130       1871.625       1871.625       1H1-1b         18       OVP       PIPE 3.0       .205       .403       14       .079       9.977       3       22812.165205       5748.75	10	M87A	PL1/2x6	.030	.125	2	.080	.125	y	22	96648.9	97200	1012.5	12150	1	H1-1b
12       M90A       PL3/8x6       .165       0       10       .121       0       y       13       71601.7.       72900       569.533       9112.5       1H1-1b         13       M92       PL1/2x6       .031       .125       6       .057       .125       Y       4       96648.9.       97200       1012.5       12150       1H1-1b         14       MP4A       PIPE 2.0       .323       3.625       5       .081       3.625       3       20866.7.       32130       1871.625       1871.625       1H1-1b         15       MP3A       PIPE 2.0       .361       3.625       9       .080       3.625       9       20866.7.       32130       1871.625       1871.625       1H1-1b         16       MP2A       PIPE 2.0       .084       2       4       .016       2       9       20866.7.       32130       1871.625       1871.625       1H1-1b         17       MP1A       PIPE 2.0       .084       14       .070       9.17       3       28434.32130       1871.625       1H1-1b         19       M36       PIPE 3.0       .205       .4084       .40016       2       106165       .21391      <	11	M89A	PL3/8x6	.273	0	10	.394	0	v	18	71260.7	72900	569.533	9112.5	5 1	H1-1b
13       M92       PL1/2x6       .031       .125       6       .057       .125       Y       4       96648.9       97200       1012.5       12150       1H1-1b         14       MP4A       PIPE 2.0       .323       .3625       5       .081       .3625       6       20866.7       .32130       1871.625       1871.625       1H1-1b         15       MP3A       PIPE 2.0       .3645       .3625       9       .0860      32130       1871.625       1871.625       1H1-1b         16       MP2A       PIPE 2.0      365       .3625       9       .084       .3625       8       20866.7      32130       1871.625       1H1-1b         17       MP1A       PIPE 2.0      365      3625       9       .084      425       8       20866.7      32130       1871.625       1H1-1b         18       OVP       PIPE 2.0      365      42       4       .016       2       10       28843.432130       1871.625       1H1-1b         18       OVP       PIPE 3.0      205      41.1b      41.1b      41.1b      41.1b         19       M36       PIS4.	12	M90A	PL3/8x6	.165	0	10	.121	0	V	13	71601.7	72900	569.533	9112.5	5 1	H1-1b
14       MP4A       PIPE_2.0       .323       3.625       5       .081       3.625       6       20866.7       32130       1871.625       1871.625       1	13	M92	PL1/2x6	.031	.125	6	.057	.125	ý	4	96648.9	97200	1012.5	12150	1	H1-1b
15       MP3A       PIPE       2.0      269      3625       5      050       3.625       9       20866.732130       1871.625       1871.625       1H1-1b         16       MP2A       PIPE       2.0      365       3.625       9       .060       3.625       9       20866.732130       1871.625       1871.625       1H1-1b         17       MP1A       PIPE       2.0      365       3.625       9       .084       3.625       8       20866.732130       1871.625       1871.625       1H1-1b         18       OVP       PIPE       2.0       .084       2       4       .016       2       10       288434.3.       .32130       1871.625       1871.625       2H1-1b         20       M36       PIPE       3.0       .205       .403       14       .079       9.917       3       22812.1       .65205       5748.75       2H1-1b         21       M38       HSS4X4X3       .251       2.406       22       .046       .251       z       4       104351106812       12661.5       1	14	MP4A	PIPE 2.0	.323	3.625	5	.081	3.625		6	20866.7	32130	1871.625	1871.62	51	H1-1b
16       MP2A       PIPE_2.0       .314       3.625       9       .060       3.625       9       20866.7       32130       1871.625       1871.625       1       H1-1b         17       MP1A       PIPE_2.0       .365       3.625       9       .084       3.625       8       20866.7       32130       1871.625       1871.625       1       H1-1b         18       OVP       PIPE_2.0       .084       2       4       .016       2       10       28843.4       .32130       1871.625       1871.625       1       H1-1b         19       M36       PIPE_3.0       .205       4.083       14       .079       9.917       3       2812.1       65205       5748.75       2       H1-1b         20       M37       HS\$4X4X       .251       2.406       22       .046       .251       z       4       104351       106812       12661.5       1       H1-1b         21       M38       HS\$4X4X3       .259       0       20       .052       2.156       z       104351       106812       12661.5       1       H1-1b         23       M40       PL1/2x6       .071       .547<	15	MP3A	PIPE 2.0	.269	3.625	5	.050	3.625		3	20866.7	32130	1871.625	1871.62	52	H1-1b
17       MP1A       PIPE_2.0      365       3.625       9      084       3.625       8       20866.732130       1871.625       1871.625       11H1-1b         18       OVP       PIPE_3.0      205       4.083       14       .0.79       9.917       3       22812.165205       5748.75       5748.75       2H1-1b         20       M37       HSS4X4X4       .412       0       19       .0.70       0       y       44       116105139518       16180.5       16180.5       2H1-1b         21       M38       HSS4X4X3       .251       2.406       22       .0.46       .251       z       4       104351106812       12661.5       1.2661.5       1H1-1b         22       M39       HSS4X4X3       .259       0       20       .052       2.156       z       104351106812       12661.5       1H1-1b         23       M40       PL1/2x6       .071       .547       4       .068       y       7       62895.097200       1012.5       12150       1H1-1b         24       M43       L2x2x3       .159       3.823       8       .017       3.823       y       18       11247.123392.8	16	MP2A	PIPE 2.0	.314	3.625	9	.060	3.625		9	20866.7	32130	1871.625	1871.62	51	H1-1b
18         OVP         PIPE_2.0         .084         2         4         .016         2         10         28843.4         32130         1871.625         1871.625         2H1-1b           19         M36         PIPE_3.0         .205         4.083         14         .079         9.917         3         22812.1         65205         5748.75         5748.75         2H1-1b           20         M37         HSS4X4X4         .412         0         19         .070         0         y         44         116105139518         16180.5         1818.05         2H1-1b           21         M38         HSS4X4X3         .251         2.406         22         .046         .251         z         4         104351106812         12661.5         12H1-1b           22         M39         HSS4X4X3         .259         0         20         .052         2.156         z         2         104351106812         12661.5         1H1-1b           24         M40         PL1/2x6         .071         .547         4         .068         0         7         7         62895.097200         101.12.5         12.150         1H1-1b         1H1-1b           25 <td>17</td> <td>MP1A</td> <td>PIPE 2.0</td> <td>.365</td> <td>3.625</td> <td>9</td> <td>.084</td> <td>3.625</td> <td></td> <td>8</td> <td>20866.7</td> <td>32130</td> <td>1871.625</td> <td>1871.62</td> <td>51</td> <td>H1-1b</td>	17	MP1A	PIPE 2.0	.365	3.625	9	.084	3.625		8	20866.7	32130	1871.625	1871.62	51	H1-1b
19       M36       PIPE 3.0       .205       4.083       14       .079       9.917       3       22812.1.       65205       5748.75       5748.75       2H1-1b         20       M37       HSS4X4X4       .412       0       19       .070       0       y       44       116105139518       16180.5       16180.5       2H1-1b         21       M38       HSS4X4X3       .251       2.406       22       .046       .251       z       4       104351106812       12661.5       12661.5       1H1-1b         22       M39       HSS4X4X3       .259       0       20       .052       2.166       z       2       104351106812       12661.5       12661.5       1H1-1b         23       M40       PL1/2x6       .071       .547       4       .068       0       y       7       62895.097200       1012.5       12150       1H1-1b         24       M43       L2x2x3       .146       0       10       .015       0       y       24       1125302392.8       557.717       1105.911<1H2-1	18	OVP	PIPE 2.0	.084	2	4	.016	2		10	28843.4	32130	1871.625	1871.62	52	H1-1b
20       M37       HSS4X4X4       .412       0       19       .070       0       y       44       116105,139518       16180.5       16180.5       2H1-1b         21       M38       HSS4X4X3       .251       2.406       22       .046       .251       z       4       104351,106812       12661.5       12661.5       1H1-1b         22       M39       HSS4X4X3       .259       0       20       .052       2.156       z       2       104351,106812       12661.5       12661.5       1H1-1b         23       M40       PL1/2x6       .071       .547       4       .068       0       y       7       62895.097200       1012.5       12150       1H1-1b         24       M43       L2x2x3       .159       3.823       8       .017       3.823       y       18       11247.123392.8       557.717       1105.911       1H2-1         26       M49       PL3/8x6       .268       0       6       .427       0       y       17       71260.772900       569.533       9112.5       1H1-1b         27       M50       PL3/8x6       .161       0       6       .125       0       <	19	M36	PIPE 3.0	.205	4.083	14	.079	9.917		3	22812.1	65205	5748.75	5748.75	5 2	H1-1b
21       M38       HSS4X4X3      251       2.406       22      046      251       z       4       104351       106812       12661.5       12661.5       1H1-1b         22       M39       HSS4X4X3      259       0       20      052       2.156       z       2       104351       106812       12661.5       12661.5       1H1-1b         23       M40       PL1/2x6      071      547       4      068       0       y       7       62895.0       97200       1012.5       12150       1H1-1b         24       M43       L2x2x3      159      823       8      017      3823       y       18       11247.123392.8       557.717       1105.911       1H2-1         25       M44       L2x2x3      159      823       8      017      3823       y       18       11247.123392.8       557.717       1105.911       1H2-1         26       M49       PL3/8x6      268       0       6      257       y       17       71260.772900       569.533       9112.5       1H1-1b         27       M50       PL3/8x6      268	20	M37	HSS4X4X4	.412	0	19	.070	0	V	44	116105	139518	16180.5	16180.5	5 2	H1-1b
22       M39       HSS4X4X3       .259       0       20       .052       2.156       z       2       104351       106812       12661.5       12661.5       1       H1-1b         23       M40       PL1/2x6       .071       .547       4       .068       0       y       7       62895.0       97200       1012.5       12150       1       H1-1b         24       M43       L2x2x3       .146       0       10       .015       0       y       24       11253.0       23392.8       557.717       1104.709       1       H2-1         25       M44       L2x2x3       .159       3.823       8       .017       3.823       y       18       11247.1       23392.8       557.717       1105.911       1       H2-1         26       M49       PL3/8x6       .268       0       6       .427       0       y       17       71260.7       72900       569.533       9112.5       1       H1-1b         27       M50       PL3/8x6       .161       0       6       .125       0       y       20       71601.7       72900       569.533       9112.5       1       H1-1b <td>21</td> <td>M38</td> <td>HSS4X4X3</td> <td>.251</td> <td>2.406</td> <td>22</td> <td>.046</td> <td>.251</td> <td>Ż</td> <td>4</td> <td>104351</td> <td>106812</td> <td>12661.5</td> <td>12661.5</td> <td>5 1</td> <td>H1-1b</td>	21	M38	HSS4X4X3	.251	2.406	22	.046	.251	Ż	4	104351	106812	12661.5	12661.5	5 1	H1-1b
23       M40       PL1/2x6       .071       .547       4       .068       0       y       7       62895.0       97200       1012.5       12150       1       H1-1b         24       M43       L2x2x3       .146       0       10       .015       0       y       24       11253.0       23392.8       557.717       1104.709       1       H2-1         25       M44       L2x2x3       .159       3.823       8       .017       3.823       y       18       11247.1       23392.8       557.717       1105.911       1       H2-1         26       M49       PL3/8x6       .268       0       6       .427       0       y       17       71260.7       72900       569.533       9112.5       1       H1-1b         27       M50       PL3/8x6       .161       0       6       .125       0       y       20       71601.7       72900       569.533       9112.5       1       H1-1b         28       M52       PL1/2x6       .028       .125       10       .081       .125       y       6       9648.9       97200       1012.5       12.50       1       H1-1b	22	M39	HSS4X4X3	.259	0	20	.052	2.156	z	2	104351	106812	12661.5	12661.5	5 1	H1-1b
24         M43         L2x2x3         .146         0         10         .015         0         y         24         11253.0.         23392.8         557.717         1104.709         1         H2-1           25         M44         L2x2x3         .159         3.823         8         .017         3.823         y         18         11247.1         23392.8         557.717         1105.911         1         H2-1           26         M49         PL3/8x6         .268         0         6         .427         0         y         17         71260.7         72900         569.533         9112.5         1         H1-1b           27         M50         PL3/8x6         .161         0         6         .125         0         y         20         71601.7         72900         569.533         9112.5         1         H1-1b           28         M52         PL1/2x6         .028         .125         10         .081         .125         y         6         96648.9         97200         1012.5         1         H1-1b           30         M55         PL3/8x6         .172         0         6         .121         y         21	23	M40	PL1/2x6	.071	.547	4	.068	0	V	7	62895.0	97200	1012.5	12150	1	H1-1b
25       M44       L2x2x3       .159       3.823       8       .017       3.823       y       18       11247.123392.8       557.717       1105.911       1       H2-1         26       M49       PL3/8x6       .268       0       6       .427       0       y       17       71260.7       72900       569.533       9112.5       1       H1-1b         27       M50       PL3/8x6       .161       0       6       .125       0       y       20       71601.7       72900       569.533       9112.5       1       H1-1b         28       M52       PL1/2x6       .028       .125       10       .081       .125       y       6       96648.9       97200       1012.5       12.15       1       H1-1b         29       M54       PL3/8x6       .290       0       6       .395       0       y       13       71260.7       72900       569.533       9112.5       1       H1-1b         30       M55       PL3/8x6       .172       0       6       .121       0       y       21       71601.7       72900       569.533       9112.5       1       H1-1b <tr< td=""><td>24</td><td>M43</td><td>L2x2x3</td><td>.146</td><td>0</td><td>10</td><td>.015</td><td>0</td><td>V</td><td>24</td><td>11253.0</td><td>.23392.8</td><td>557.717</td><td>1104.70</td><td>91</td><td>H2-1</td></tr<>	24	M43	L2x2x3	.146	0	10	.015	0	V	24	11253.0	.23392.8	557.717	1104.70	91	H2-1
26         M49         PL3/8x6         .268         0         6         .427         0         y         17         71260.7         72900         569.533         9112.5         1H1-1b           27         M50         PL3/8x6         .161         0         6         .125         0         y         20         71601.7         72900         569.533         9112.5         1H1-1b           28         M52         PL1/2x6         .028         .125         10         .081         .125         y         6         96648.9         97200         1012.5         12150         1H1-1b           29         M54         PL3/8x6         .290         0         6         .395         0         y         13         71260.7         72900         569.533         9112.5         1H1-1b           30         M55         PL3/8x6         .172         0         6         .121         0         y         21         71601.7         72900         569.533         9112.5         1H1-1b           31         M57         PL1/2x6         .031         .125         2         .061         .125         y         12         96648.997200         1012.5	25	M44	L2x2x3	.159	3.823	8	.017	3.823	ý	18	11247.1	.23392.8	557.717	1105.91	11	H2-1
27       M50       PL3/8x6       .161       0       6       .125       0       y       20       71601.7       72900       569.533       9112.5       1H1-1b         28       M52       PL1/2x6       .028       .125       10       .081       .125       y       6       96648.9       97200       1012.5       12150       1H1-1b         29       M54       PL3/8x6       .290       0       6       .395       0       y       13       71260.772900       569.533       9112.5       1H1-1b         30       M55       PL3/8x6       .172       0       6       .121       0       y       21       71601.772900       569.533       9112.5       1H1-1b         31       M57       PL1/2x6       .031       .125       2       .061       .125       y       12       96648.9       97200       1012.5       12150       1H1-1b         32       MP4C       PIPE_2.0       .330       3.625       1       .079       3.625       2       20866.7       32130       1871.625       1H1-1b         33       MP1C       PIPE_2.0       .365       3.625       5       .083	26	M49	PL3/8x6	.268	0	6	.427	0	V	17	71260.7	72900	569.533	9112.5	5 1	H1-1b
28         M52         PL1/2x6         .028         .125         10         .081         .125         y         6         96648.9         97200         1012.5         12150         1H1-1b           29         M54         PL3/8x6         .290         0         6         .395         0         y         13         71260.772900         569.533         9112.5         1H1-1b           30         M55         PL3/8x6         .172         0         6         .121         0         y         21         71601.772900         569.533         9112.5         1H1-1b           31         M57         PL1/2x6         .031         .125         2         .061         .125         y         12         96648.9         97200         1012.5         12150         1H1-1b           32         MP4C         PIPE_2.0         .330         3.625         1         .079         3.625         2         20866.7         32130         1871.625         1871.625         2H1-1b           33         MP1C         PIPE_2.0         .365         3.625         5         .083         3.625         4         20866.7         32130         1871.625         1H1-1b	27	M50	PL3/8x6	.161	0	6	.125	0	v	20	71601.7	72900	569.533	9112.5	5 1	H1-1b
29       M54       PL3/8x6       .290       0       6       .395       0       y       13       71260.7       72900       569.533       9112.5       1H1-1b         30       M55       PL3/8x6       .172       0       6       .121       0       y       21       71601.7       72900       569.533       9112.5       1H1-1b         31       M57       PL1/2x6       .031       .125       2       .061       .125       y       12       96648.9       97200       1012.5       121.0       1H1-1b         32       MP4C       PIPE_2.0       .330       3.625       1       .079       3.625       2       20866.7       32130       1871.625       1871.625       2H1-1b         33       MP1C       PIPE_2.0       .365       3.625       5       .083       3.625       4       20866.7       32130       1871.625       1871.625       1H1-1b         34       M69       PIPE_3.0       .205       4.083       22       .079       9.917       12       22812.1       65205       5748.75       5748.75       2H1-1b         35       M70       HSS4X4X4       .410       0       <	28	M52	PL1/2x6	.028	.125	10	.081	.125	V	6	96648.9	97200	1012.5	12150	1	H1-1b
30         M55         PL3/8x6         .172         0         6         .121         0         y         21         71601.7         72900         569.533         9112.5         1H1-1b           31         M57         PL1/2x6         .031         .125         2         .061         .125         y         12         96648.9         97200         1012.5         12150         1H1-1b           32         MP4C         PIPE_2.0         .330         3.625         1         .079         3.625         2         20866.7         32130         1871.625         1871.625         2H1-1b           33         MP1C         PIPE_2.0         .365         3.625         5         .083         3.625         4         20866.7         32130         1871.625         1871.625         1H1-1b           34         M69         PIPE_3.0         .205         4.083         22         .079         9.917         12         22812.1         65205         5748.75         5748.75         2H1-1b           35         M70         HSS4X4X4         .410         0         15         .081         0         y         42         116105139518         16180.5         2H1-1b	29	M54	PL3/8x6	.290	0	6	.395	0	v	13	71260.7	72900	569.533	9112.5	5 1	H1-1b
31       M57       PL1/2x6       .031       .125       2       .061       .125       y       12       96648.9       97200       1012.5       12150       1H1-1b         32       MP4C       PIPE_2.0       .330       3.625       1       .079       3.625       2       20866.7       32130       1871.625       1871.625       2H1-1b         33       MP1C       PIPE_2.0       .365       3.625       5       .083       3.625       4       20866.7       32130       1871.625       1871.625       1H1-1b         34       M69       PIPE_3.0       .205       4.083       22       .079       9.917       12       22812.1       65205       5748.75       2H1-1b         35       M70       HSs4X4X4       .410       0       15       .081       0       y       42       116105       139518       16180.5       16180.5       2H1-1b         36       M71       HSs4X4X3       .251       2.406       18       .050       .251       z       12       104351       106812       12661.5       1H1-1b	30	M55	PL3/8x6	.172	0	6	.121	0	V	21	71601.7	72900	569.533	9112.5	5 1	H1-1b
32         MP4C         PIPE_2.0        330         3.625         1        079         3.625         2         20866.7         32130         1871.625         1871.625         2         H1-1b           33         MP1C         PIPE_2.0        365         3.625         5        083         3.625         4         20866.7         32130         1871.625         1871.625         1         H1-1b           34         M69         PIPE_3.0        205         4.083         22        079         9.917         12         22812.1         65205         5748.75         5748.75         2         H1-1b           35         M70         HS\$4X4X4         .410         0         15        081         0         y         42         116105         139518         16180.5         16180.5         2         H1-1b           36         M71         HS\$4X4X3        251         2.406         18         .050         .251         z         12         104351         106812         12661.5         1         H1-1b	31	M57	PL1/2x6	.031	.125	2	.061	.125	v	12	96648.9	97200	1012.5	12150	1	H1-1b
33         MP1C         PIPE 2.0         .365         3.625         5         .083         3.625         4         20866.7         32130         1871.625         1871.625         1H1-1b           34         M69         PIPE 3.0         .205         4.083         22         .079         9.917         12         22812.1         65205         5748.75         5748.75         2H1-1b           35         M70         HSS4X4X4         .410         0         15         .081         0         y         42         116105         139518         16180.5         2H1-1b           36         M71         HSS4X4X3         .251         2.406         18         .050         .251         z         12         104351106812         12661.5         1H1-1b	32	MP4C	PIPE 2.0	.330	3.625	1	.079	3.625		2	20866.7	32130	1871.625	1871.62	52	H1-1b
34         M69         PIPE_3.0         .205         4.083         22         .079         9.917         12         22812.1.         65205         5748.75         5748.75         2         H1-1b           35         M70         HSS4X4X4         .410         0         15         .081         0         y         42         116105         139518         16180.5         16180.5         2         H1-1b           36         M71         HSS4X4X3         .251         2.406         18         .050         .251         z         12         104351         106812         12661.5         12661.5         1         H1-1b	33	MP1C	PIPE 2.0	.365	3.625	5	.083	3.625		4	20866.7	32130	1871.625	1871.62	51	H1-1b
35         M70         HSS4X4X4         .410         0         15         .081         0         y         42         116105         139518         16180.5         16180.5         2         H1-1b           36         M71         HSS4X4X3         .251         2.406         18         .050         .251         z         12         104351         106812         12661.5         12661.5         1         H1-1b	34	M69	PIPE 3.0	.205	4.083	22	.079	9.917		12	22812.1	65205	5748.75	5748.75	5 2	H1-1b
36 M71 HSS4X4X3 .251 2.406 18 .050 .251 z 12 104351 106812 12661.5 12661.5 1 H1-1b	35	M70	HSS4X4X4	.410	0	15	.081	0	V	42	116105	139518	16180.5	16180.5	5 2	H1-1b
	36	M71	HSS4X4X3	.251	2.406	18	.050	.251	Z	12	104351	106812	12661.5	12661.5	5 1	H1-1b
37 M72 HSS4X4X3 .260 0 16 .052 2.156 z 10 104351106812 12661.5 12661.5 1H1-1b	37	M72	HSS4X4X3	.260	0	16	.052	2.156	z	10	104351	106812	12661.5	12661.5	5 1	H1-1b

RISA-3D Version 17.0.4 [R:\...\...\...\Mount Fix\Rev 0\RISA\468184-VZW\_MT\_LO\_H.r3d] Page 172

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

	Member	Shape	Code Check	Loc[	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pncph	ni*Pnt	phi*Mn	.phi*MnC	Cb	Eqn
38	M73A	PL1/2x6	.073	.547	12	.093	0	y	27	62895.0 g	97200	1012.5	12150 1	IH	11-1b
39	M76A	L2x2x3	.156	3.822	6	.015	0	y	20	11253.02	3392.8	557.717	1104.7091	1 <u>}</u>	H2-1
40	M77B	L2x2x3	.157	3.823	4	.017	3.823	y	14	11247.12	3392.8	557.717	1105.911 1	1 }	-12-1
41	M82B	PL3/8x6	.234	0	2	.430	0	ý	13	71260.77	72900	569.533	9112.5 1	IH	11-1b
42	M83B	PL3/8x6	.153	0	9	.125	0	y	16	71601.77	72900	569.533	9112.5	IH	11-1b
43	M85A	PL1/2x6	.030	.125	6	.103	.125	y	26	96648.9 g	97200	1012.5	12150 1	IH	11-1b
44	M87	PL3/8x6	.252	0	2	.393	0	y	22	71260.77	72900	569.533	9112.5 1	IH	11-1b
45	M88A	PL3/8x6	.155	0	2	.121	0	ý	17	71601.77	72900	569.533	9112.5	іН	11-1b
46	M90	PL1/2x6	.030	.125	10	.079	0	y	26	96648.9 9	97200	1012.5	12150 1	IH	11-1b
47	MP4B	PIPE 2.0	.318	3.625	9	.075	3.625		10	20866.7 3	32130	1871.625	1871.6251	IH	11-1b
48	MP1B	PIPE 2.0	.385	3.625	1	.087	3.625		12	20866.7 3	32130	1871.625	1871.6252	2H	11-1b
49	M102	PIPE 3.0	.117	9.333	18	.042	1.896		12	22812.16	65205	5748.75	5748.75 2	2H	11-1b
50	M107	PIPE 3.0	.119	9.333	14	.040	5.833		7	22812.16	65205	5748.75	5748.75 2	2H	11-1b
51	M111	PIPE 3.0	.118	9.333	22	.044	9.333		1	22812.16	65205	5748.75	5748.75 2	2H	11-1b
52	MP3C	PIPE 2.0	.273	3.625	1	.050	3.625		11	20866.7 3	32130	1871.625	1871.6252	2H	11-1b
53	MP2C	PIPE 2.0	.320	3.625	6	.060	3.625		5	20866.7 3	32130	1871.625	1871.6251	IH	11-1b
54	MP3B	PIPE 2.0	.277	3.625	8	.055	3.625		7	20866.7 3	32130	1871.625	1871.6252	2H	11-1b
55	MP2B	PIPE 2.0	.345	3.625	1	.066	3.625		1	20866.7 3	32130	1871.625	1871.6252	2H	11-1b
56	M123	L3X3X4	.255	0	11	.023	.145	y	12	39318.6 4	16656	1688.138	3755.7452	2	H2-1
57	M124	L3X3X4	.266	0	3	.022	0	y	3	39318.6 4	16656	1688.138	3755.7452	2	-12-1
58	M125	L3X3X4	.275	0	7	.023	0	V	8	39318.6 4	16656	1688.138	3755.7452	2	-12-1



Client:	Verizon Wireless	Date:	10/25/2021
Site Name:	Madison 3 CT		
Project No.	21781064A		
Title:	Mount Fix	Page:	1
-			

Version 3.1

# I. Mount-to-Tower Connection Check

#### RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N54	30
N100	150
N112A	270



TYPICAL PLATFORM

#### Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

d<sub>x</sub> (in) (Delta X of typ. bolt config. sketch) : d<sub>y</sub> (in) (Delta Y of typ. bolt config. sketch) : Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes	
4	
6	
6	
A325N	
0.625	
27.6	
3.7	
20.7	
12.4	
33.4%*	
7.5%	



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

Tower Connection Plate and Weld Check
Connecting Standoff Member Shape:
Plate Width (in):
Plate Height (in):
W1 (in):
W2 (in):
Fy (ksi, plate):
t <sub>Plate</sub> (in):
Weld Size (1/16 in):
Phi*Rn (kip/in):
Required Weld Strength (kip/in):
Plate Bending Capacity:
Weld Capacity:

Rect
8
8
4
4
36
0.75
4
5.57
3.87
38.1%
69.5%

#### Max Plate Bending Strengths

Mu <sub>xx</sub> (kip-in) :
Phi*Mn <sub>xx</sub> (kip-in) :
Mu <sub>yy</sub> (kip-in) :
Phi*Mn <sub>yy</sub> (kip-in) :

_		
	13.8	
	36.5	
	0.1	
	36.5	

# Mount Desktop – Post Modification Inspection (PMI) Report Requirements

# Documents & Photos Required from Contractor – Mount Modification

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

<u>**Purpose**</u> – 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: <a href="https://pmi.vzwsmart.com">https://pmi.vzwsmart.com</a>

# 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, tiebacks, 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.
  - o 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
  - o 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.

 $\Box$  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

 $\Box$  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:

 $\Box$  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.

□ 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:

Contractor shall install proposed OVP unit onto new equipment pipe connected to the existing standoff horizontal between the Beta and Gamma sector as detailed in the Mount Modification Drawings.

### Response:

Contractor certifies that the climbing facility /	<pre>/ safety climb</pre>	was not dar	maged or o	obstructed	prior to
starting work:					

	Yes	No
_	100	

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

🗆 No

# <u>Contractor to certify the condition of the safety climb and verify no obstructions when leaving the site:</u>

 $\Box$  Safety climb in good condition with no obstructions

□ Safety Climb Damaged

□ Safety Climb Obstructed

### **Comments:**





		Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
Ref#	Model	(in)	(in)	Frm L.	#	Pos V	Pos	Frm T.	H Off	Status	Validation
A1	DB846F65ZAXY	72	10	153	1	а	Front	36	0	Retained	06/15/2021
R4	RF4439d-25A	15	15	153	1	а	Behind	24	0	Added	
A2	SBNHH-1D65B	72.6	11.9	87	2	а	Front	36	6.5	Removed	06/15/2021
A2	SBNHH-1D65B	72.6	11.9	87	2	b	Front	36	-6.5	Removed	06/15/2021
R5	RF4440d-13A	15	15	87	2	а	Behind	24	0	Added	
R3	MT6407-77A	35.1	16.1	39	3	а	Front	36	0	Added	
A1	DB846F65ZAXY	72	10	16	4	а	Front	36	0	Retained	06/15/2021





		Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
Ref#	Model	(in)	(in)	Frm L.	#	Pos V	Pos	Frm T.	H Off	Status	Validation
A1	DB846F65ZAXY	72	10	153	1	а	Front	36	0	Retained	06/15/2021
R4	RF4439d-25A	15	15	153	1	а	Behind	24	0	Added	
A2	SBNHH-1D65B	72.6	11.9	87	2	а	Front	36	6.5	Removed	06/15/2021
A2	SBNHH-1D65B	72.6	11.9	87	2	b	Front	36	-6.5	Removed	06/15/2021
R5	RF4440d-13A	15	15	87	2	а	Behind	24	0	Added	
R3	MT6407-77A	35.1	16.1	39	3	а	Front	36	0	Added	
A1	DB846F65ZAXY	72	10	16	4	а	Front	36	0	Retained	06/15/2021





		Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
Ref#	Model	(in)	(in)	Frm L.	#	Pos V	Pos	Frm T.	H Off	Status	Validation
A1	DB846F65ZAXY	72	10	153	1	а	Front	36	0	Retained	06/15/2021
R4	RF4439d-25A	15	15	153	1	а	Behind	24	0	Added	
A2	SBNHH-1D65B	72.6	11.9	87	2	а	Front	36	6.5	Removed	06/15/2021
A2	SBNHH-1D65B	72.6	11.9	87	2	b	Front	36	-6.5	Removed	06/15/2021
R5	RF4440d-13A	15	15	87	2	а	Behind	24	0	Added	
R3	MT6407-77A	35.1	16.1	39	3	а	Front	36	0	Added	
A1	DB846F65ZAXY	72	10	16	4	а	Front	36	0	Retained	06/15/2021



# **Maser Consulting Connecticut**

Subject TIA-222-H Usage Site Information Site ID: 468184-VZW / MADISON 3 CT Site Name: MADISON 3 CT Carrier Name: Verizon Wireless Address: 252 Ridge Rd Madison, Connecticut 06433 New Haven County Latitude: 41.309250° -72.614325° Longitude: Structure Information Tower Type: 150-Ft Monopole Mount Type: 14.00-Ft Platform FUZE ID # 16486462

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

Justin Linette, PE Senior Technical Manager

# Exhibit F

**Power Density/RF Emissions Report** 

#### Site Name: MADISON 3 CT Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	705	2820	130	0.0060	0.5007	1.20%
VZW CDMA	877.26	2	499	998	130	0.0021	0.5848	0.36%
VZW Cellular	874	4	838	3354	130	0.0071	0.5827	1.22%
VZW PCS	1975	4	1473	5891	130	0.0125	1.0000	1.25%
VZW AWS	2120	4	1599	6397	130	0.0136	1.0000	1.36%
VZW CBAND	3730.08	4	6531	26125	130	0.0556	1.0000	5.56%
Total Percentage of	of Maximum Permiss	ible Exposure	9					10.96%

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

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

Absolute worst case maximum values used.

# Exhibit F

**Recipient Mailings** 



Cut on dotted line.

## Instructions

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

# Click-N-Ship® Label Record



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



Cut on dotted line.

## Instructions

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

# Click-N-Ship® Label Record



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



Cut on dotted line.

## Instructions

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

# Click-N-Ship® Label Record



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



FARMINGTON 210 MAIN ST FARMINGTON, CT 06032-9998							
12/03/2021	0)2/5-8	///	12:44 PM				
Product	Qty	Unit Price	Price				
Prepaid Mail Madison, CT 064 Weight: 0 lb 7 Acceptance Date Fri 12/03/2 Tracking #: 9405 5036 9	1 43 .10 oz 021 930 0081	1 4914 2	\$0.00				
Prepaid Mail Westborough, MA Weight: O lb 2 Acceptance Date Fri 12/03/20 Tracking #: 9405 5036 98	1 01581 00 oz 021 030 0081	. 4914 3	<b>\$0</b> .00				
Prepaid Mail Madison, CT 0644 Weight: O lb 7, Acceptance Date; Fri 12/03/20 Tracking #: 9405 5036 99	1 13 10 oz 121 130 0081	4914 4	\$0.00				
Grand Total:			\$0.00				