NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

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

October 29, 2021, 2021

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

RE: Exempt Modification Application
85 Plainfield Ave, West Haven CT 06516
Latitude: 41.301275
Longitude: -72.976444
Site#: 876323_ Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 85 Plainfield Ave, West Haven CT 06516. Verizon Wireless currently maintains twelve (12) antennas at the 120-foot level of the existing 148-foot tower. The property is owned by Sprint PMB and the tower is owned by Crown Castle. Verizon now intends to replace nine (9) existing antenna. The new antennas would be installed at the 120-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and **5G** capable. Antenna mount modifications will be completed as per the attached Maser mount analysis dated May 4, 2021.

Verizon Planned Modifications:
Remove: (1) Raycap

Remove and Replace:
(3) MGD3-800T0 Antenna (REMOVE) - (3) JAHH-65B-R3B Antenna (REPLACE)
(3) LNX6514DS-A1M Antenna (REMOVE) - (3) JAHH-65B-R3B Antenna (REPLACE)
(3) BXA 171063-12CF Antenna (REMOVE) – (3) VZW Sub6 VZS01Antenna (REPLACE)
(3) Nokia UHID B4 RRH (REMOVE) - (3) Samsung B2/B66A -BRO49 – RFV01U-D1A RRH (REPLACE)

Install New:
(3) Samsung B5/B13 -BRO4C – RFV01U-D2A RRH
(1) Raycap
(1) Hybrid Lines
(3) Diplexers

Existing to Remain:
(3) BXA 80063 4CF Antenna
(7) Coax Line
(1) Hybrid

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The facility was approved by the CT Siting Council, Petition No. 878 on February 19, 2009. Please see attached

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies§ 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.SA. § 16-SOj-73, a copy of this letter is being sent to Mayor Nancy R. Rossi, and Fred A. Messore- Acting Commissioner of Planning and Development, for the City of West Haven. 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
Email: denise@northeastsitesolutions.com

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Attachments
cc:
Mayor Nancy R. Rossi
City of West Haven – Mayor's Office
355 Main Street 3rd Fl, West Haven Ct 06516

Fred A. Messore- Acting Commissioner of Planning and Development
City of West Haven- Zoning Dept
355 Main Street 3rd Fl, West Haven Ct 06516

Sprint PMB- Property Owner
331 4017 Washington Rd McMurray, PA 15317

Crown Castle Tower Owner

Exhibit A

Original Facility Approval

Petition No. 878
Pocket Communications
85 Plainfield Avenue, West Haven
February 19, 2009
Staff Report

On December 15, 2008, the Connecticut Siting Council (Council) received a Petition (Petition) from Youghiogheny Communications-Northeast, LLC d/b/a Pocket Communications (Pocket) for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed modifications to an existing telecommunications facility located at 85 Plainfield Avenue, West Haven. Specifically, Pocket seeks to extend the 138-foot Crown Castle-owned monopole to 148 feet tall. Pocket would install three flush mounted panel antennas at the 146-foot level of the extended tower.

The total height with appurtenances would be approximately 151 feet tall. A Professional Engineer duly licensed in the State of Connecticut has certified that the tower is structurally adequate to support the proposed loading. The maximum worst case power density would be 32.1 percent of the applicable limit.

Pocket would also install a Nortel CDMA Micro BTS equipment cabinet on an H-frame to be located inside the existing fenced compound.

The site is in a wooded area. To the east is Plainfield Avenue and undeveloped land across the street. To the north and west is open (wooded) space. To the south is a parking lot, Maltby Avenue and a residential neighborhood. There are no wetlands at the site.

The tower is currently visible on portions of Plainfield Avenue, Maltby Street, and Timberland Drive. The tower extension is expected to visible from these areas as well. On January 9, 2009, Pocket submitted a notice to abutting property owners with a deadline for reply of January 23, 2009. To date, Pocket has received two inquiries about the project, but neither were opposed. No abutters have contacted the Council's office with any replies. No comments have been received by the City of West Haven either.

This Petition was field reviewed by Dr. Barbara Bell and Mike Perrone of the Council staff on January 12, 2009. Attorney Carrie Larson from Pullman and Comley, LLC (representing Pocket) and Eric Dahl, site acquisition specialist also attended the field review.

Exhibit B

Property Card

City of West Haven, CT
Property Listing Report

Parcel ID 067-0005-0-CELL

Account 00067597

Property Information

Owner	SPRINT
Co-Owner	
Address	85 PLAINFIELD AVE
Mailing Address	PMB 331 4017 WASHINGTON RD MCMURRAY PA 15317
Land Use	431V TEL REL TW MDL-00
Land Class	I

Vision ID	102768
Census Tract	
Neighborhood	
Zoning Code	
Acreage	0
Utilities	

Photo

Sketch

Primary Construction Details

Actual Year Built	
Effective Year Built	
Stories	
Building Style	
Building Use	
Building Condition	
Total Rooms	

Bedrooms	
Full Bathrooms	
Half Bathrooms	
Bath Style	
Kitchen Style	
Roof Style	
Roof Cover	

Exterior Walls	
Interior Walls	
Heating Type	
Heating Fuel	
AC Type	
Gross Bldg Area	
Total Living Area	0

Report Created On 9/11/2017

City of West Haven, CT
Property Listing Report

Parcel ID 067-0005-0-CELL

Account 00067597

Valuation Summary (Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	0	0
Outbuildings	453600	317520
Improvements	453600	317520
Extras	0	0
Land	0	0
Total	453600	317520

Outbuilding and Extra Items

Description	Units
CELL SHED	360 S.F.
TOWER	2 SITES
FENCE-8' CHAIN	400 L.F.

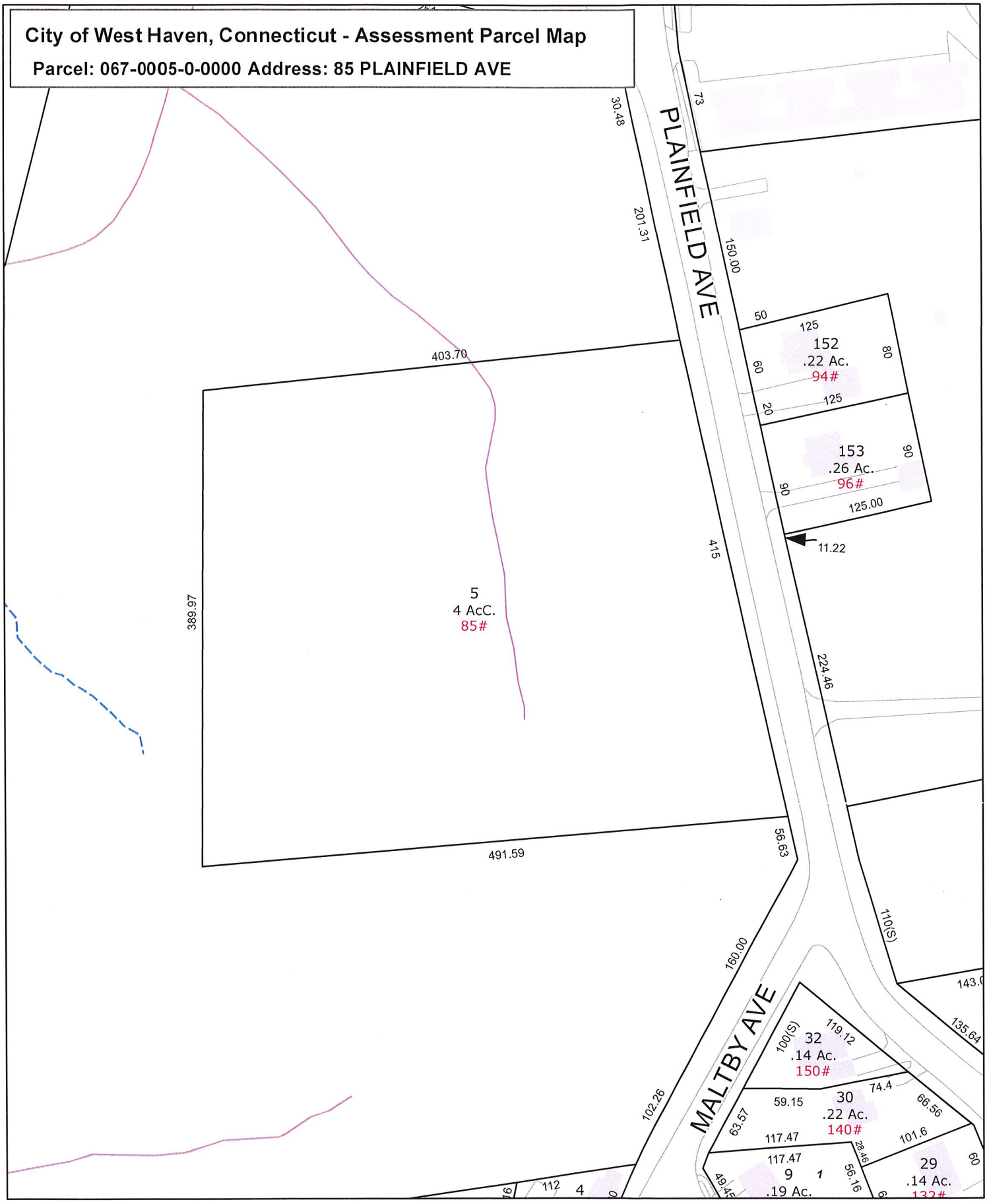
Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area		

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
SPRINT	000/ 000		
SPRINT	000/ 000		0

Report Created On 9/11/2017



Disclaimer: This map is for informational purposes only. All information is subject to verification by any user. The City of West Haven and its mapping contractors assume no legal responsibility for the information contained herein.

Exhibit C

Construction Drawings

verizon

VERIZON WIRELESS SITE NUMBER: 469064
VERIZON WIRELESS SITE NAME: WEST HAVEN 3 CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 148'-0"

BUSINESS UNIT #: 876323
SITE ADDRESS: 85 PLAINFIELD AVE
WEST HAVEN, CT 06516
COUNTY: NEW HAVEN
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON WIRELESS 5G L-SUB6 - CARRIER ADD 16227617

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	HILLSIDE
SITE ADDRESS:	85 PLAINFIELD AVE WEST HAVEN, CT 06516
COUNTY:	NEW HAVEN
MAP/PARCEL #:	067-0005-0-0000
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.301275
LONGITUDE:	-72.976444
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	157'
CURRENT ZONING:	IPD
JURISDICTION:	CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	YALE-NEW HAVEN HEALTH SERVICES 20 YORK ST NEW HAVEN CT 06511
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	UNITED ILLUMINATING CO.
TELCO PROVIDER:	N/A

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S. BOULDER AVE. TULSA, OK 74119 MARVIN PHILLIPS marvin.phillips@btgrp.com
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065 N/A - PROJECT MANAGER N/A - CONSTRUCTION MANAGER
VERIZON WIRELESS CONTACT:	ANDREW LEONE ALEONE@STRUCTURECONSULTING.NET

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN
C-2	TOWER ELEVATION & ANTENNA PLANS
C-3	EQUIPMENT SCHEDULES
C-4	EQUIPMENT DETAILS
C-5	EQUIPMENT DETAILS
C-6	PLUMBING DIAGRAM
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 22X34. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

APPROVALS

SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR PROJECT NUMBER	----
VzW LOCATION CODE (PSLC)	469064

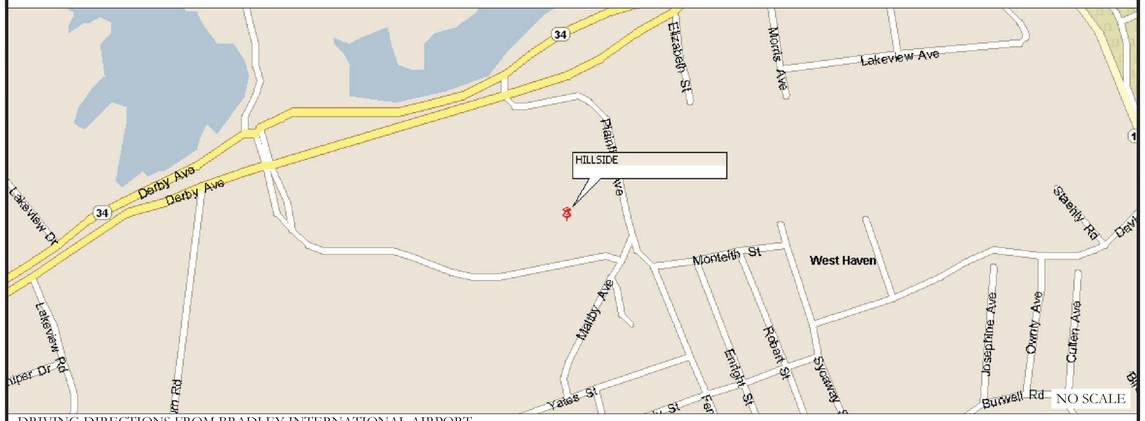
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	N

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DRIVING DIRECTIONS FROM BRADLEY INTERNATIONAL AIRPORT
CONTINUE TO BRADLEY INTERNATIONAL AIRPORT CON, HEAD NORTH TOWARD BRADLEY INTERNATIONAL AIRPORT SLIGHT LEFT ONTO BRADLEY INTERNATIONAL AIRPORT SLIGHT LEFT, FOLLOW I-91 S AND CT-15 S TO CT-34 E/DERBY AVE/DERBY TURNPIKE IN ORANGE. TAKE EXIT 57 FROM CT-15 S CONTINUE ONTO BRADLEY INTERNATIONAL AIRPORT CON, CONTINUE ONTO CT-20 E/BRADLEY INTERNATIONAL AIRPORT CON, USE THE RIGHT 2 LANES TO MERGE WITH I-91 S TOWARD HARTFORD KEEP RIGHT TO STAY ON I-91 S, KEEP RIGHT TO STAY ON CT-15 S, KEEP RIGHT TO STAY ON CT-15 S, FOLLOW SIGNS FOR W CROSS PKWY, TAKE EXIT 57 TO MERGE WITH CT-34 E/DERBY AVE/DERBY TURNPIKE TOWARD ORANGE, CONTINUE ON CT-34 E/DERBY AVE/DERBY TURNPIKE TO YOUR DESTINATION IN WEST HAVEN, MERGE WITH CT-34 E/DERBY AVE/DERBY TURNPIKE TURN RIGHT DESTINATION WILL BE ON THE LEFT.

APPLICABLE CODES/REFERENCE DOCUMENTS

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

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

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	B+T GROUP
DATED:	5/8/21
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	5/4/21
RFDS REVISION:	N/A
DATED:	1/12/21
ORDER ID:	552703
REVISION:	0

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

PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:
- REMOVE (9) ANTENNAS
- REMOVE (3) RADIOS
- REMOVE (3) DIPLEXERS
- REMOVE (1) OVP
- REMOVE (4) COAX CABLES
- RELOCATE (3) ANTENNAS
- INSTALL (9) ANTENNAS
- INSTALL (6) RADIOS
- INSTALL (3) DIPLEXERS
- INSTALL (1) OVP
- INSTALL (1) HYBRID CABLE

GROUND SCOPE OF WORK:
- REMOVE (6) FD9R6004/2CL-3L DIPLEXERS
- REMOVE (3) NOKIA UHBA B13 RRH 4X30 RADIO

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON WIRELESS SITE NUMBER:
469064

BU #: **876323**
HILLSIDE

85 PLAINFIELD AVE
WEST HAVEN, CT 06516

EXISTING 148'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/20/21	JJR	PRELIMINARY REVIEW	JJR
0	10/15/21	JJR	CONSTRUCTION	JJR

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

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

SHEET NUMBER: T-1
REVISION: 0

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

GREENFIELD GROUNDING NOTES:

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

ELECTRICAL INSTALLATION NOTES:

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

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

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

APWA UNIFORM COLOR CODE:

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

ABBREVIATIONS:

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

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON WIRELESS SITE NUMBER:
469064

BU #: **876323**
HILLSIDE

85 PLAINFIELD AVE
WEST HAVEN, CT 06516

EXISTING 148'-0" MONOPOLE

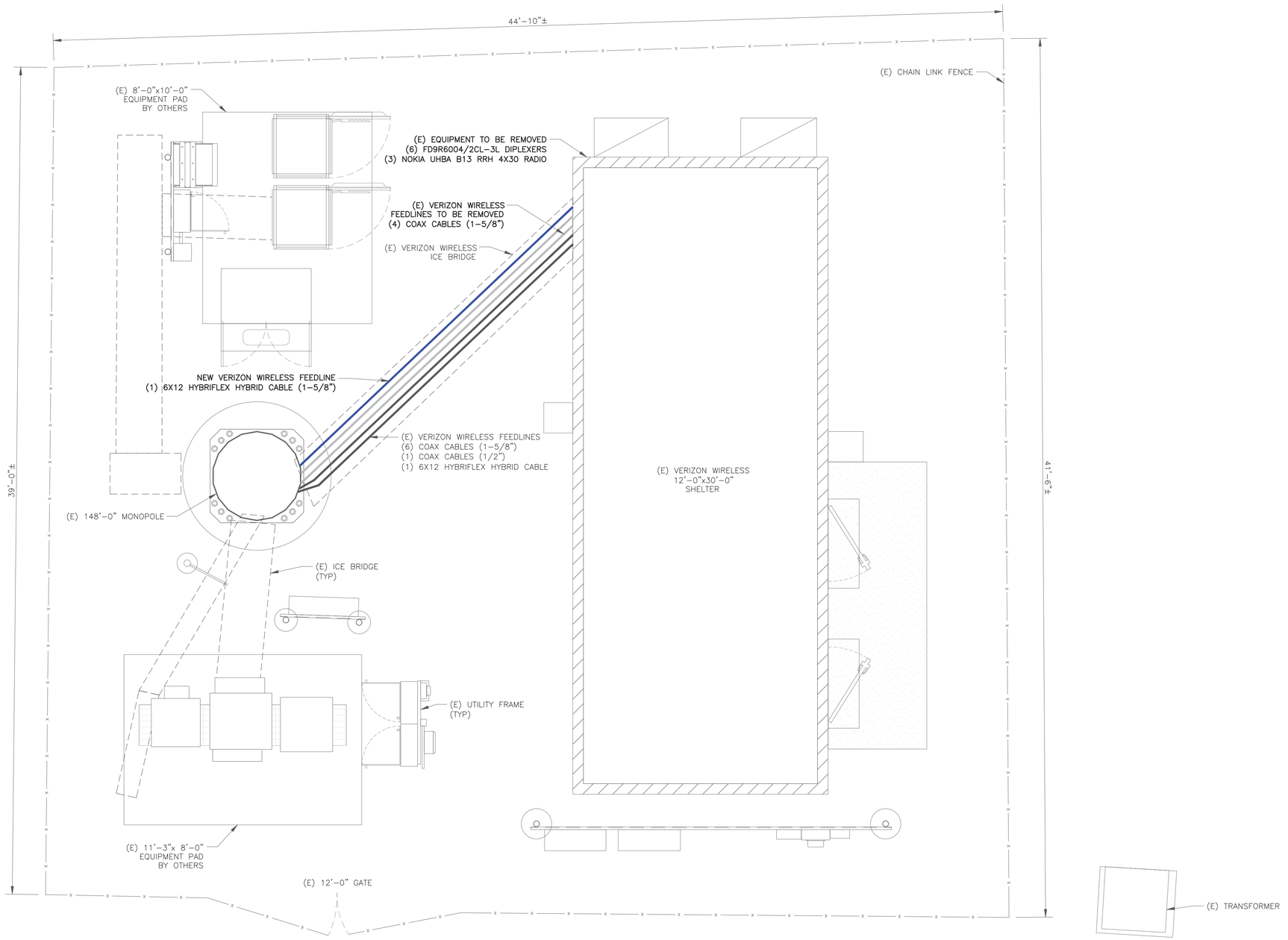
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/20/21	JJR	PRELIMINARY REVIEW	JJR
0	10/15/21	JJR	CONSTRUCTION	JJR

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

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

SHEET NUMBER: **T-2**
REVISION: **0**



1 SITE PLAN

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

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10/15/21

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

SHEET NUMBER: C-1

REVISION: 0

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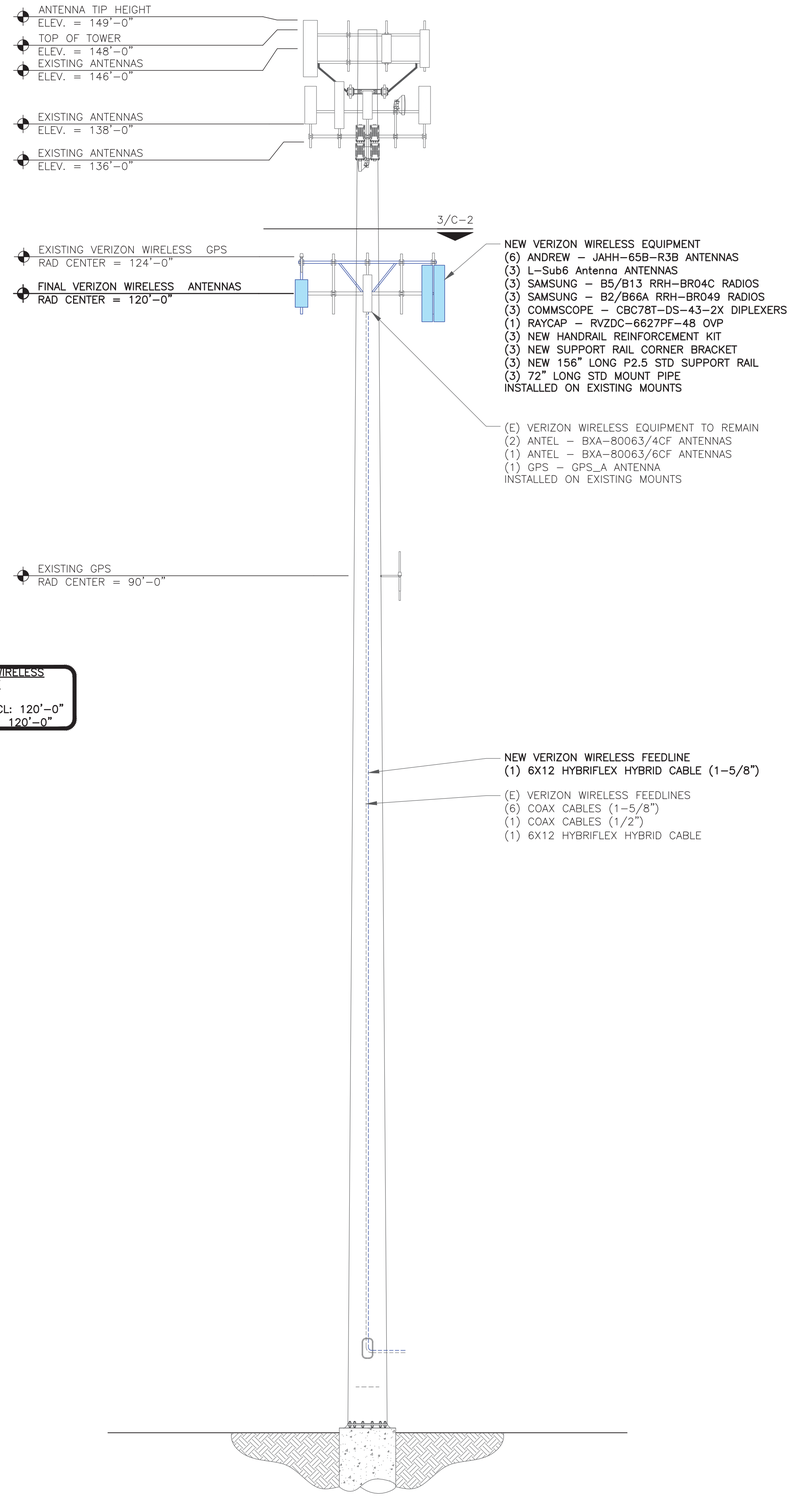

1 TOWER ELEVATION
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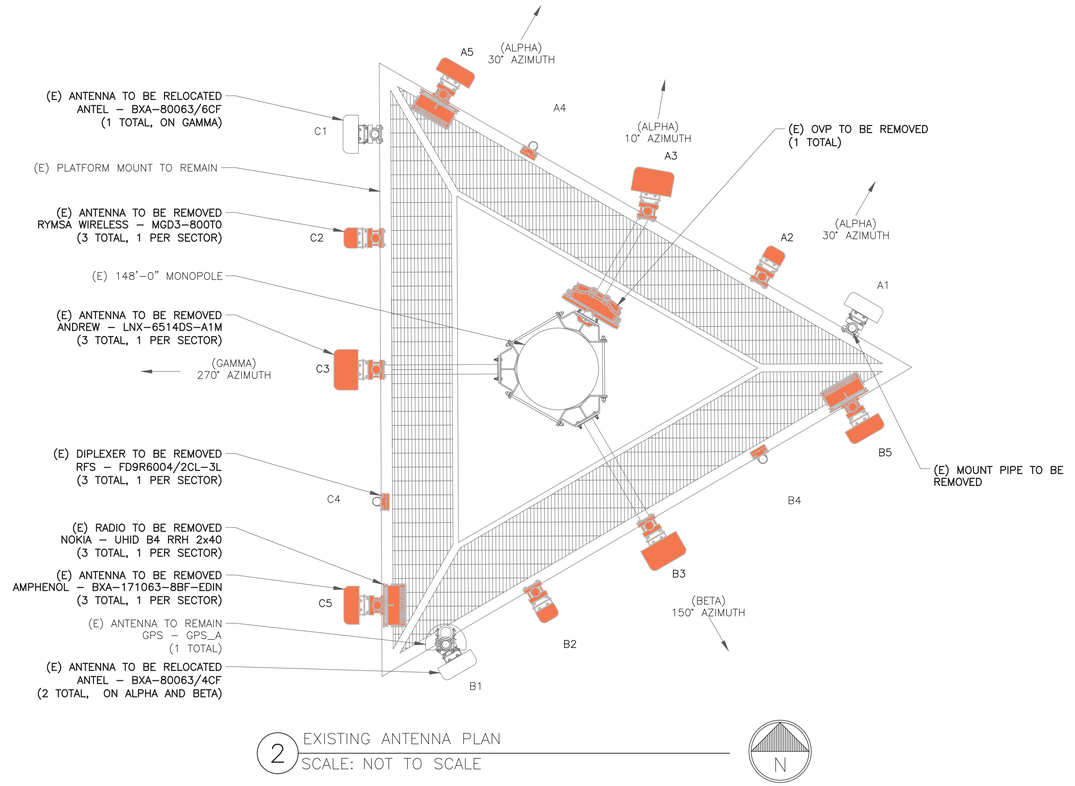

2 EXISTING ANTENNA PLAN
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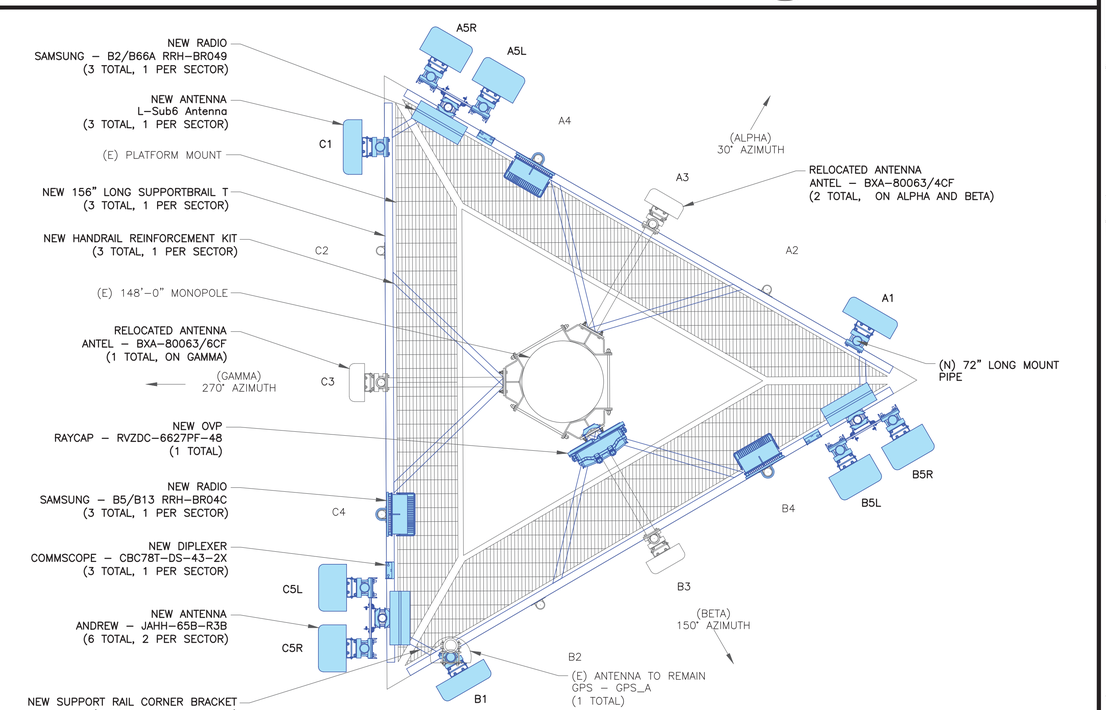

3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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85 PLAINFIELD AVE
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EXISTING 148'-0" MONOPOLE

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A	8/20/21	JJR	PRELIMINARY REVIEW	JJR
0	10/15/21	JJR	CONSTRUCTION	JJR

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

SHEET NUMBER: C-2

REVISION: 0

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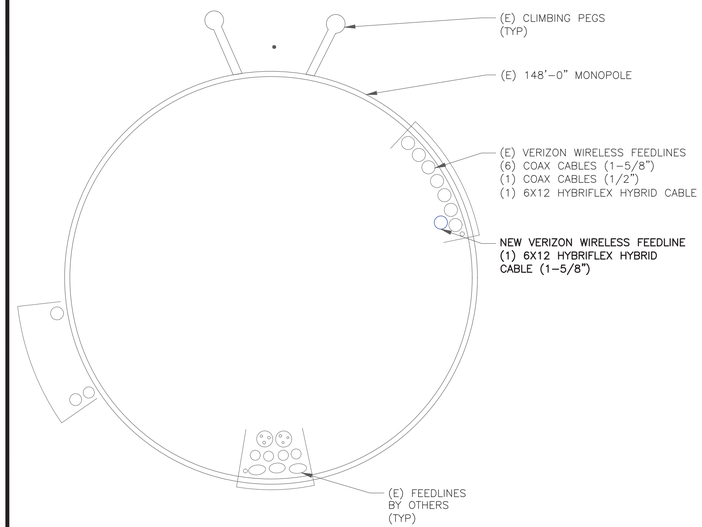
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	NEW	VZW	L-Sub6 Antenna	120'-0"	30°	0°	3°	–	–
A2	EXISTING	EMPTY MOUNT PIPE	–	120'-0"	30°	–	–	–	–
A3	EXISTING	ANTEL	BXA-80063/4CF	120'-0"	30°	4°	0°	–	–
A4	EXISTING	EMPTY MOUNT PIPE	–	120'-0"	30°	–	–	–	–
A5L	NEW	ANDREW	JAHH-65B-R3B	120'-0"	30°	0°	7°/7°	SAMSUNG COMMSCOPE	(1) B5/B13 RRH-BR04C (1) CBC78T-DS-43-2X
A5R	NEW	ANDREW	JAHH-65B-R3B	120'-0"	30°	0°	2°/2°	SAMSUNG	(1) B2/B66A RRH-BR049
–	EXISTING	GPS	GPS_A	124'-0"	0°	–	–	–	–
B1	NEW	VZW	L-Sub6 Antenna	120'-0"	150°	0°	3°	–	–
B2	EXISTING	EMPTY MOUNT PIPE	–	120'-0"	150°	–	–	–	–
B3	EXISTING	ANTEL	BXA-80063/4CF	120'-0"	150°	4°	0°	RAYCAP	(1) RVZDC-6627PF-48
B4	EXISTING	EMPTY MOUNT PIPE	–	120'-0"	150°	–	–	–	–
B5L	NEW	ANDREW	JAHH-65B-R3B	120'-0"	150°	0°	4°/4°/2°/2°	SAMSUNG COMMSCOPE	(1) B5/B13 RRH-BR04C (1) CBC78T-DS-43-2X
B5R	NEW	ANDREW	JAHH-65B-R3B	120'-0"	150°	0°	4°/4°/2°/2°	SAMSUNG	(1) B2/B66A RRH-BR049
C1	NEW	VZW	L-Sub6 Antenna	120'-0"	270°	0°	3°	–	–
C2	EXISTING	EMPTY MOUNT PIPE	–	120'-0"	270°	–	–	–	–
C3	EXISTING	ANTEL	BXA-80063/6CF	120'-0"	270°	0°	0°	–	–
C4	EXISTING	EMPTY MOUNT PIPE	–	120'-0"	270°	–	–	–	–
C5L	NEW	ANDREW	JAHH-65B-R3B	120'-0"	270°	0°	2°/2°/2°/2°	SAMSUNG COMMSCOPE	(1) B5/B13 RRH-BR04C (1) CBC78T-DS-43-2X
C5R	NEW	ANDREW	JAHH-65B-R3B	120'-0"	270°	0°	2°/2°/2°/2°	SAMSUNG	(1) B2/B66A RRH-BR049

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	170'-0"±	6
EXISTING	COAX	1/2"	170'-0"±	1
EXISTING	HYBRID	1-5/8"	170'-0"±	1
NEW	HYBRID	1-5/8"	170'-0"±	1
TOTAL CABLE QTY:				9



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

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VERIZON WIRELESS SITE NUMBER:
469064

BU #: **876323**
HILLSIDE

85 PLAINFIELD AVE
WEST HAVEN, CT 06516

EXISTING 148'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/20/21	JJR	PRELIMINARY REVIEW	JJR
0	10/15/21	JJR	CONSTRUCTION	JJR

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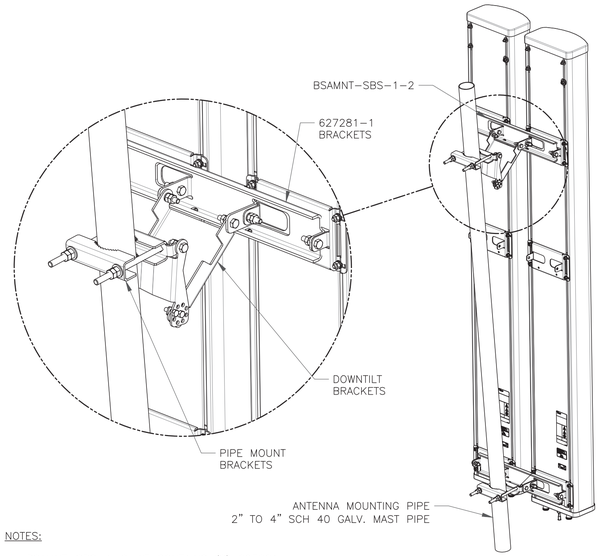
Expires 2/10/22

SHEET NUMBER: C-3

REVISION: 0

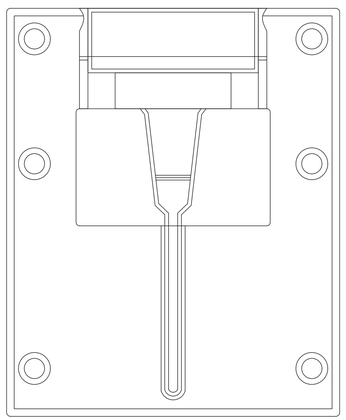


NOTES:

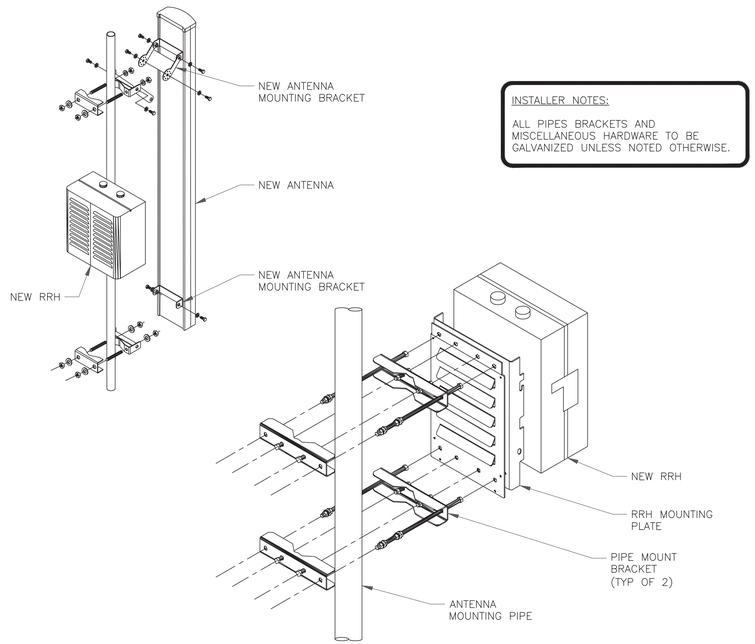
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

2 NOT USED
SCALE: NOT TO SCALE



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



INSTALLER NOTES:

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

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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VERIZON WIRELESS SITE NUMBER:
469064

BU #: **876323**
HILLSIDE

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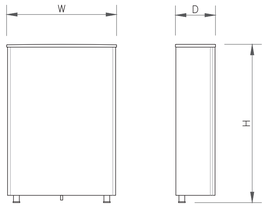
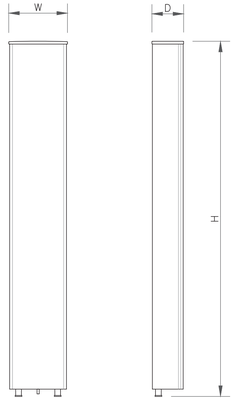
SHEET NUMBER: C-4
REVISION: 0



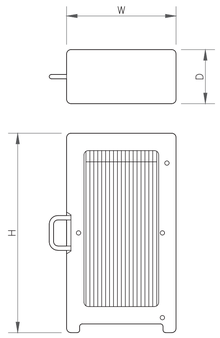
ANTENNA SPECS	
MANUFACTURER	VZW
MODEL #	L-SUB6 ANTENNA
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.15"
WEIGHT	87.10 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



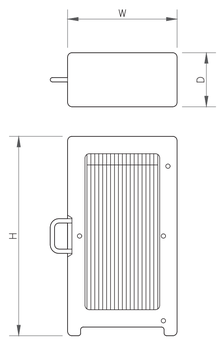
ANTENNA SPECS	
MANUFACTURER	ANDREW
MODEL #	JAHH-65B-R3B
WIDTH	13.80"
DEPTH	8.20"
HEIGHT	72.00"
WEIGHT	63.30 LBS

2 ANTENNA SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	B5/B13 RRH-BR04C
WIDTH	15.10"
DEPTH	8.10"
HEIGHT	15.00"
WEIGHT	70.30 LBS

3 RRU SPECS
SCALE: NOT TO SCALE

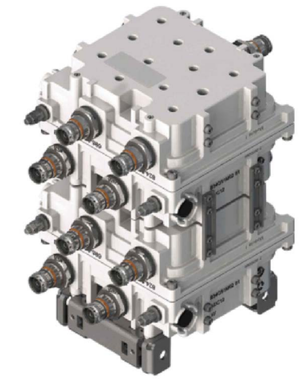


RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	B2/B66A RRH-BR049
WIDTH	15.00"
DEPTH	10.00"
HEIGHT	15.00"
WEIGHT	84.40 LBS

4 RRU SPECS
SCALE: NOT TO SCALE

OVP SPECIFICATIONS	
MANUFACTURER	RAYCAP
MODEL #	RVZDC-6627PF-48
WIDTH	15.73"
DEPTH	10.30"
HEIGHT	28.93"
WEIGHT	32.00 LBS

5 OVP SPECS
SCALE: NOT TO SCALE



OVP SPECIFICATIONS	
MANUFACTURER	COMMSCOPE
MODEL #	CBC78TDS-43-2X
WIDTH	6.90"
DEPTH	9.60"
HEIGHT	6.40"
WEIGHT	20.70 LBS

6 DIPLEXER SPEC
SCALE: NOT TO SCALE

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VERIZON WIRELESS SITE NUMBER:
469064

BU #: **876323**
HILLSIDE

85 PLAINFIELD AVE
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EXISTING 148'-0" MONOPOLE

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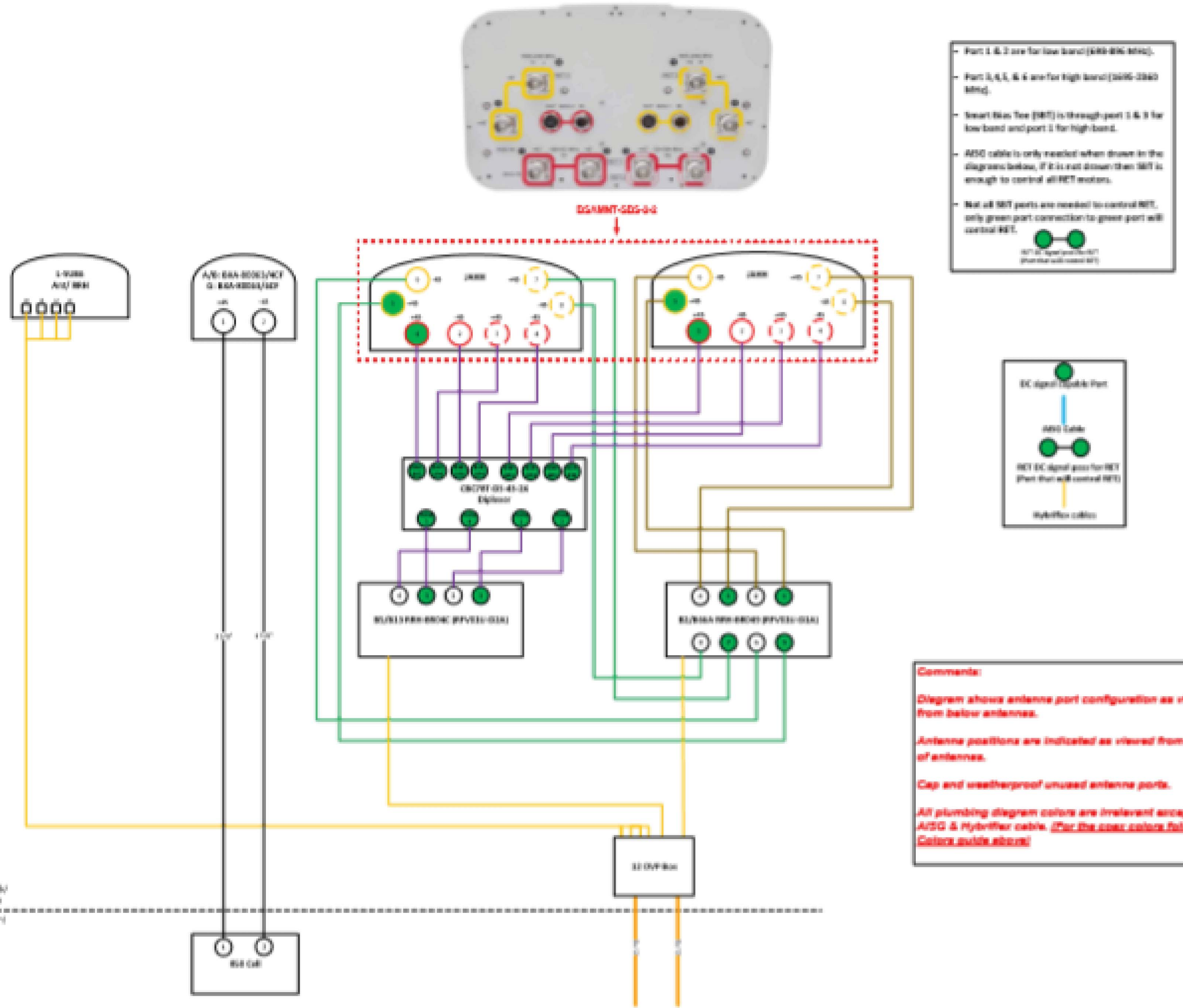
SHEET NUMBER: C-5

REVISION: 0



1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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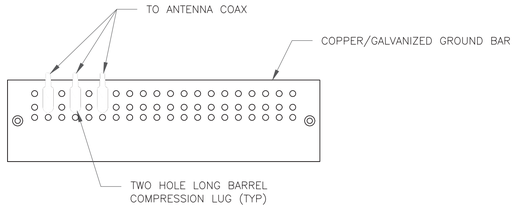
SHEET NUMBER: C-6
REVISION: 0

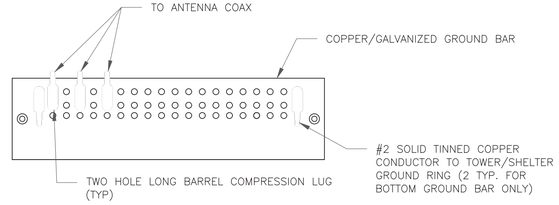
82071.008.01_HILLSIDE 8.20.21.dwg – Sheet:C-6 – User: jrichardson – Oct 15, 2021 – 1:26pm



NOTES:

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

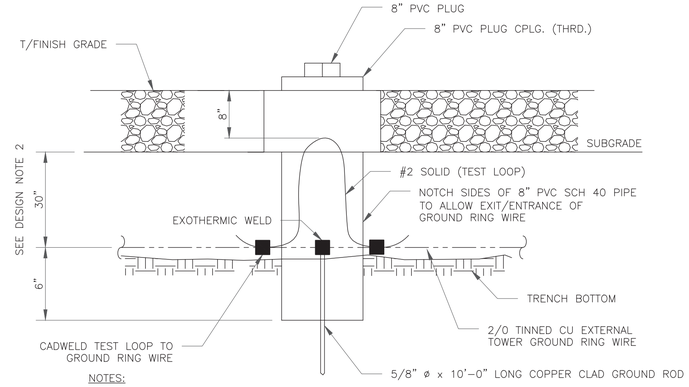
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

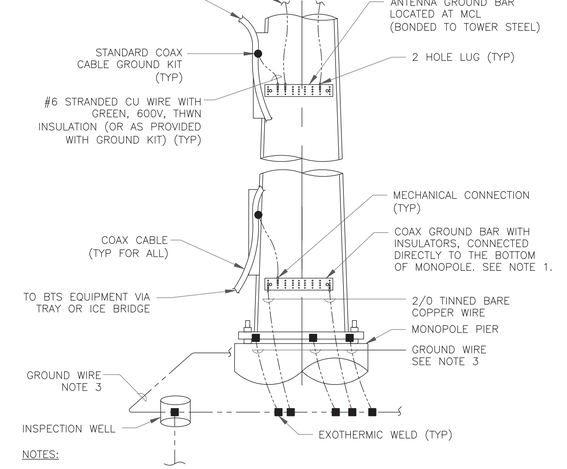
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

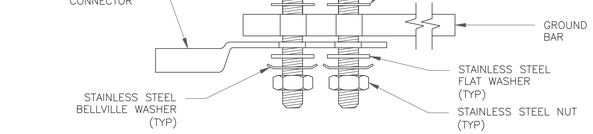
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



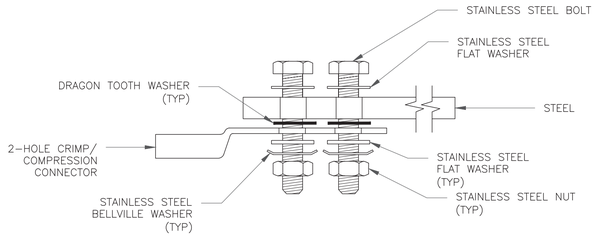
NOTES:

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

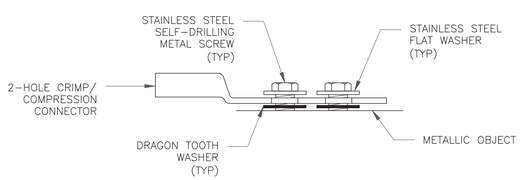
4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

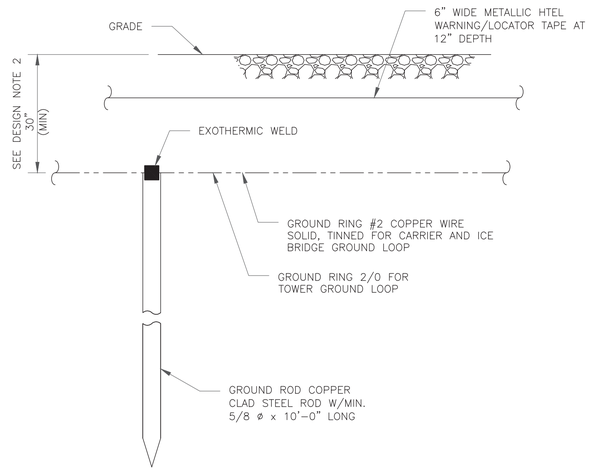


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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VERIZON WIRELESS SITE NUMBER:
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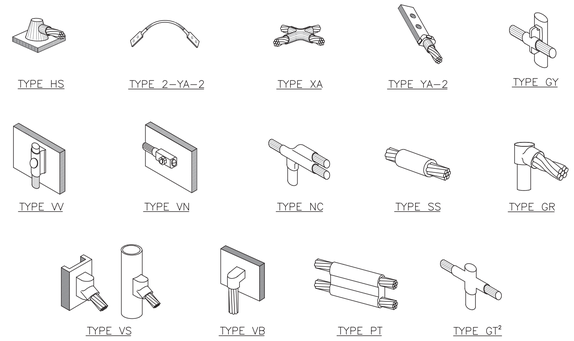
REVISION: 0

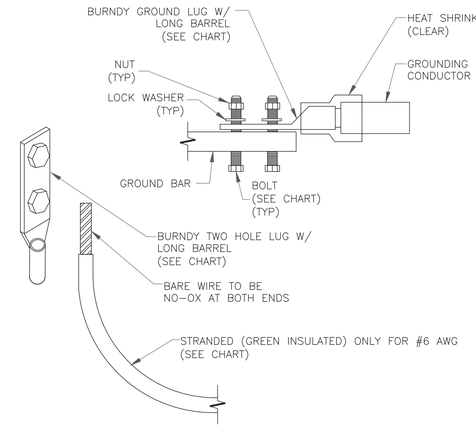


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

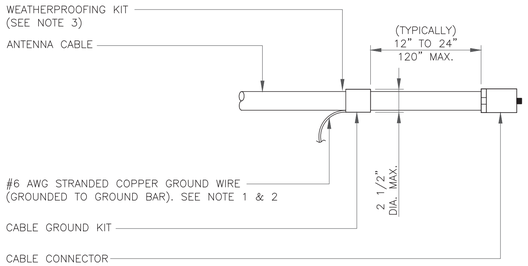
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

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

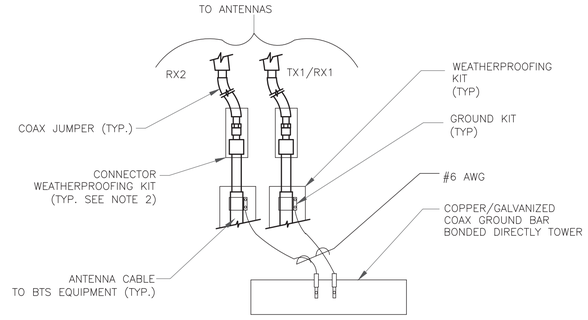
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

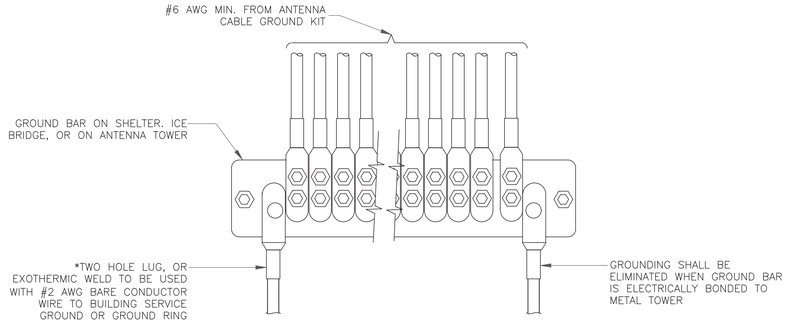
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



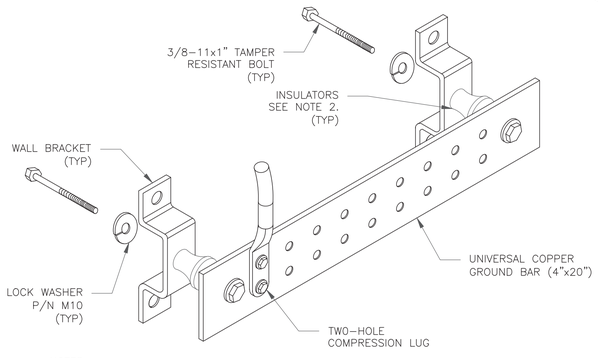
NOTES:

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

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



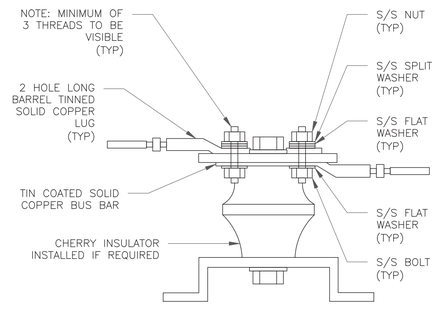
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



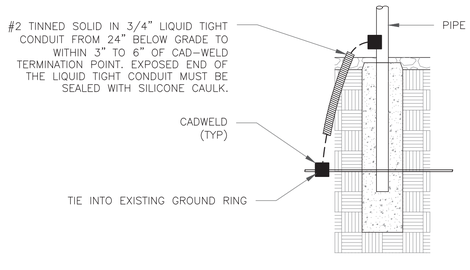
NOTES:

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

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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

SHEET NUMBER: G-2
REVISION: 0

Exhibit D

Structural Analysis Report

Date: **May 08, 2021**

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

Subject:	**Structural Analysis Report**	
Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	469064
	Site Name:	West Haven 3 CT
Crown Castle Designation:	**BU Number:**	876323
	Site Name:	Hillside
	JDE Job Number:	644631
	Work Order Number:	1957858
	Order Number:	552703 Rev. 0
Engineering Firm Designation:	**B+T Group Project Number:**	82071.007.01
Site Data:	**85 Plainfield Ave, West Haven, New Haven County, CT** **Latitude *41° 18' 4.59"*, Longitude *-72° 58' 35.2"*** **148 Foot - Monopole Tower**	

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

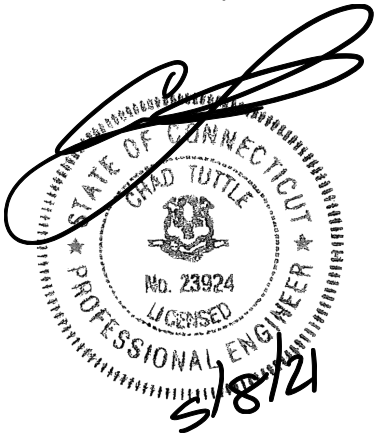
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity**

This analysis utilizes an ultimate 3-second gust wind speed of 125 mph as required by the 2015 International Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: John Landon

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



Chad E. Tuttle, P.E.

tnxTower Report - version 8.0.9.0

TABLE OF CONTENTS

1) INTRODUCTION

This is a 138 ft Monopole tower designed by Summit in June of 1997.

The tower has been modified per reinforcement drawings prepared by PSG Engineering in February of 2009. Reinforcement consists of a 10-ft tower extension, bringing the total tower height to 148 ft. The tower was later reinforced per reinforcement drawings prepared by PJF in October of 2015. Reinforcement consists of shaft modifications between elevations 46'-0" to 76'-0".

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
120.0	124.0	1	GPS	GPS_A	8 1	1-5/8 1/2
	120.0	2	Antel	BXA-80063/4CF		
		1	Antel	BXA-80063/6CF		
		3	Commscope	CBC78T-DS-43-2X		
		6	Commscope	JAHH-65B-R3B		
		1	Raycap	RVZDC-6627-PF-48		
		3	Samsung Telecomm.	RFV01U-D1A		
		3	Samsung Telecomm.	RFV01U-D2A		
		3	VZW	Sub6 Antenna - VZS01		
		3	--	BSAMNT-SBS-2-2		
		1	--	Platform Mount [LP 1201-1]		

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)
146.0	146.0	3	Ericsson	AIR -32 B2A/B66AA	1 2	1-5/8 1-3/8
		3	Ericsson	AIR6449 B41_T-MOBILE		
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	Ericsson	RRUS 4415 B25_CCIV2		
		3	RFS Celwave	APXVAARR24_43-U-NA20		
		1	--	Platform Mount [LP 303-1_KCKR-HR-1]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
138.0	140.0	1	Andrew	VHLP2-11	4 3 6	1-1/4 Elliptical 5/16
		3	Alcatel Lucent	TD-RRH8X20-25		
		3	Argus Tech.	LLPX310R-V1		
		3	Commscope	DT465B-2XR		
		6	Powerwave Tech.	P40-16-XLPP-RR-A		
		3	Samsung Telecomm.	FDD_R6_RRH		
	138.0	1	--	Platform Mount [LP 303-1_HR-1]		
	134.0	2	Andrew	VHLP2-11		
136.0	136.0	6	Alcatel Lucent	1900MHZ RRH (65MHZ)	--	--
		3	Alcatel Lucent	800 External Notch Filter		
		3	Alcatel Lucent	RRH2X50-800		
		9	RFS Celwave	ACU-A20-N		
		1	--	Side Arm Mount [SO 102-3]		
90.0	90.0	1	Lucent	KS24019-L112A	1	1/2
		1	--	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	1615021	CCI Sites
Tower Extension Drawing	2384593	CCI Sites
Tower Modification Drawing	5957618	CCI Sites
Post Modification Inspection	6254609	CCI Sites
Foundation Drawing	1614608	CCI Sites
Geotech Report	2134228	CCI Sites
Crown CAD Package	Date: 04/20/2021	CCI Sites

3.1) Analysis Method

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

tnxTower was used to determine the loads on the modified structure. Additional calculations were performed to determine the stresses in the pole and in the reinforcing elements. These calculations are presented in Appendix C.

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	148 - 143	Pole	TP24x24x0.25	1	-4.427	--	3.4	Pass
L2	143 - 138	Pole	TP24x24x0.25	2	-4.838	--	8.5	Pass
L3	138 - 133	Pole	TP24.839x24x0.25	3	-9.318	--	13.7	Pass
L4	133 - 128	Pole	TP25.677x24.839x0.25	4	-9.828	--	20.1	Pass
L5	128 - 123	Pole	TP26.516x25.677x0.25	5	-10.360	--	26.0	Pass
L6	123 - 118	Pole	TP27.354x26.516x0.25	6	-15.143	--	32.9	Pass
L7	118 - 113	Pole	TP28.193x27.354x0.25	7	-15.800	--	40.0	Pass
L8	113 - 108	Pole	TP29.031x28.193x0.25	8	-16.481	--	46.7	Pass
L9	108 - 103	Pole	TP29.87x29.031x0.25	9	-17.186	--	52.8	Pass
L10	103 - 98	Pole	TP30.708x29.87x0.25	10	-17.914	--	58.5	Pass
L11	98 - 94.75	Pole	TP31.924x30.708x0.25	11	-18.399	--	62.0	Pass
L12	94.75 - 89.75	Pole	TP31.786x30.753x0.3125	12	-19.723	--	51.6	Pass
L13	89.75 - 84.75	Pole	TP32.82x31.786x0.3125	13	-20.617	--	54.6	Pass
L14	84.75 - 79.75	Pole	TP33.853x32.82x0.3125	14	-21.536	--	57.3	Pass
L15	79.75 - 74.75	Pole	TP34.886x33.853x0.3125	15	-22.480	--	59.8	Pass
L16	74.75 - 74.5	Pole	TP34.938x34.886x0.3125	16	-22.535	--	59.9	Pass
L17	74.5 - 74.25	Pole	TP34.99x34.938x0.3125	17	-22.583	--	60.0	Pass
L18	74.25 - 69.25	Pole	TP36.023x34.99x0.3125	18	-23.547	--	62.3	Pass
L19	69.25 - 64.25	Pole	TP37.056x36.023x0.3125	19	-24.543	--	64.5	Pass
L20	64.25 - 59.25	Pole	TP38.089x37.056x0.3125	20	-25.563	--	66.4	Pass
L21	59.25 - 54.25	Pole	TP39.123x38.089x0.3125	21	-26.606	--	68.3	Pass
L22	54.25 - 50	Pole	TP41.086x39.123x0.3125	22	-27.511	--	69.7	Pass
L23	50 - 43.75	Pole	TP40.687x39.376x0.375	23	-29.858	--	58.4	Pass
L24	43.75 - 38.75	Pole	TP41.735x40.687x0.375	24	-31.114	--	59.4	Pass
L25	38.75 - 33.75	Pole	TP42.783x41.735x0.375	25	-32.397	--	60.4	Pass
L26	33.75 - 28.75	Pole	TP43.832x42.783x0.375	26	-33.706	--	61.3	Pass
L27	28.75 - 23.75	Pole	TP44.88x43.832x0.375	27	-35.043	--	62.2	Pass
L28	23.75 - 18.75	Pole	TP45.929x44.88x0.375	28	-36.406	--	63.0	Pass
L29	18.75 - 13.75	Pole	TP46.977x45.929x0.375	29	-37.795	--	63.7	Pass
L30	13.75 - 8.75	Pole	TP48.025x46.977x0.375	30	-39.211	--	64.4	Pass
L31	8.75 - 3.75	Pole	TP49.074x48.025x0.375	31	-40.653	--	65.1	Pass
L32	3.75 - 0	Pole	TP49.86x49.074x0.375	32	-41.750	--	65.6	Pass
							Summary	
						Pole (L22)	69.7	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
						Reinforcement	0.0	Pass
						Rating =	69.7	Pass

Table 5 - Tower Component Stresses vs. Capacity

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Flange Connection	138.0	42.0	Pass
1,2	Anchor Rods	Base	68.6	Pass
1,2	Base Plate	Base	53.2	Pass
1,2	Base Foundation (Structure)	Base	56.6	Pass
1,2	Base Foundation (Soil Interaction)	Base	45.8	Pass

Structure Rating (max from all components) =	69.7%

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

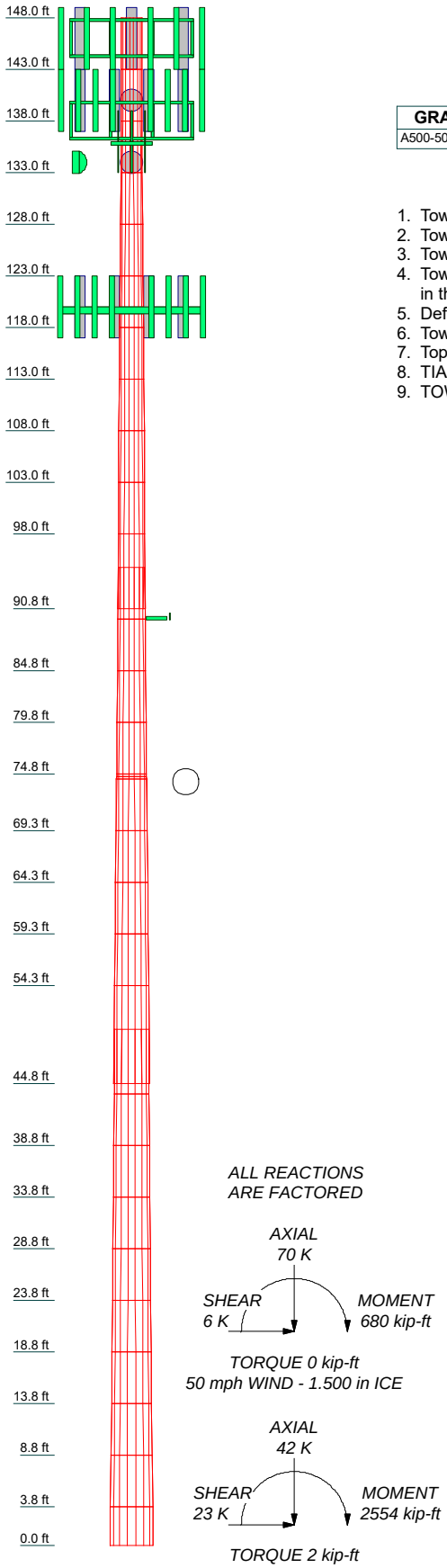
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	5.000	0	0.250		24.000	24.000	A500-50	0.3
2	5.000	0	0.250		24.000	24.000		0.3
3	5.000	18	0.250		24.000	24.839		0.3
4	5.000	18	0.250		24.839	25.677		0.3
5	5.000	18	0.250		25.677	26.516		0.3
6	5.000	18	0.250		26.516	27.354		0.4
7	5.000	18	0.250		27.354	28.193		0.4
8	5.000	18	0.250		28.193	29.031		0.4
9	5.000	18	0.250		29.031	29.870		0.4
10	5.000	18	0.250		29.870	30.708		0.4
11	5.000	18	0.250	4.000	30.708	31.924		0.6
12	5.000	18	0.313		30.753	31.786		0.5
13	5.000	18	0.313		31.786	32.820		0.5
14	5.000	18	0.313		32.820	33.853		0.6
15	5.000	18	0.313		33.853	34.886		0.6
16	5.000	18	0.313		34.886	35.919		0.6
17	5.000	18	0.313		35.919	36.953		0.6
18	5.000	18	0.313		36.953	37.986		0.6
19	5.000	18	0.313		37.056	38.089		0.6
20	5.000	18	0.313		38.089	39.123		0.6
21	5.000	18	0.313		39.123	40.156		0.6
22	6.250	18	0.313	5.250	40.156	41.190		1.3
23	6.250	18	0.375		41.190	42.223		1.0
24	5.000	18	0.375		41.735	42.783		0.8
25	5.000	18	0.375		42.783	43.832		0.8
26	5.000	18	0.375		43.832	44.880		0.9
27	5.000	18	0.375		44.880	45.929		0.9
28	5.000	18	0.375		45.929	46.977		0.9
29	5.000	18	0.375		46.977	48.025		0.9
30	5.000	18	0.375		48.025	49.074		1.0
31	5.000	18	0.375		49.074	49.860		1.0
32	3.750	18	0.375		49.860		A607-60	0.7
								19.1



ALL REACTIONS ARE FACTORED

AXIAL 70 K

SHEAR 6 K *MOMENT 680 kip-ft*

TORQUE 0 kip-ft
50 mph WIND - 1.500 in ICE

AXIAL 42 K

SHEAR 23 K *MOMENT 2554 kip-ft*

TORQUE 2 kip-ft
REACTIONS - 125 mph WIND

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A500-50	50 ksi	62 ksi	A607-60	60 ksi	75 ksi

TOWER DESIGN NOTES

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 69.7%

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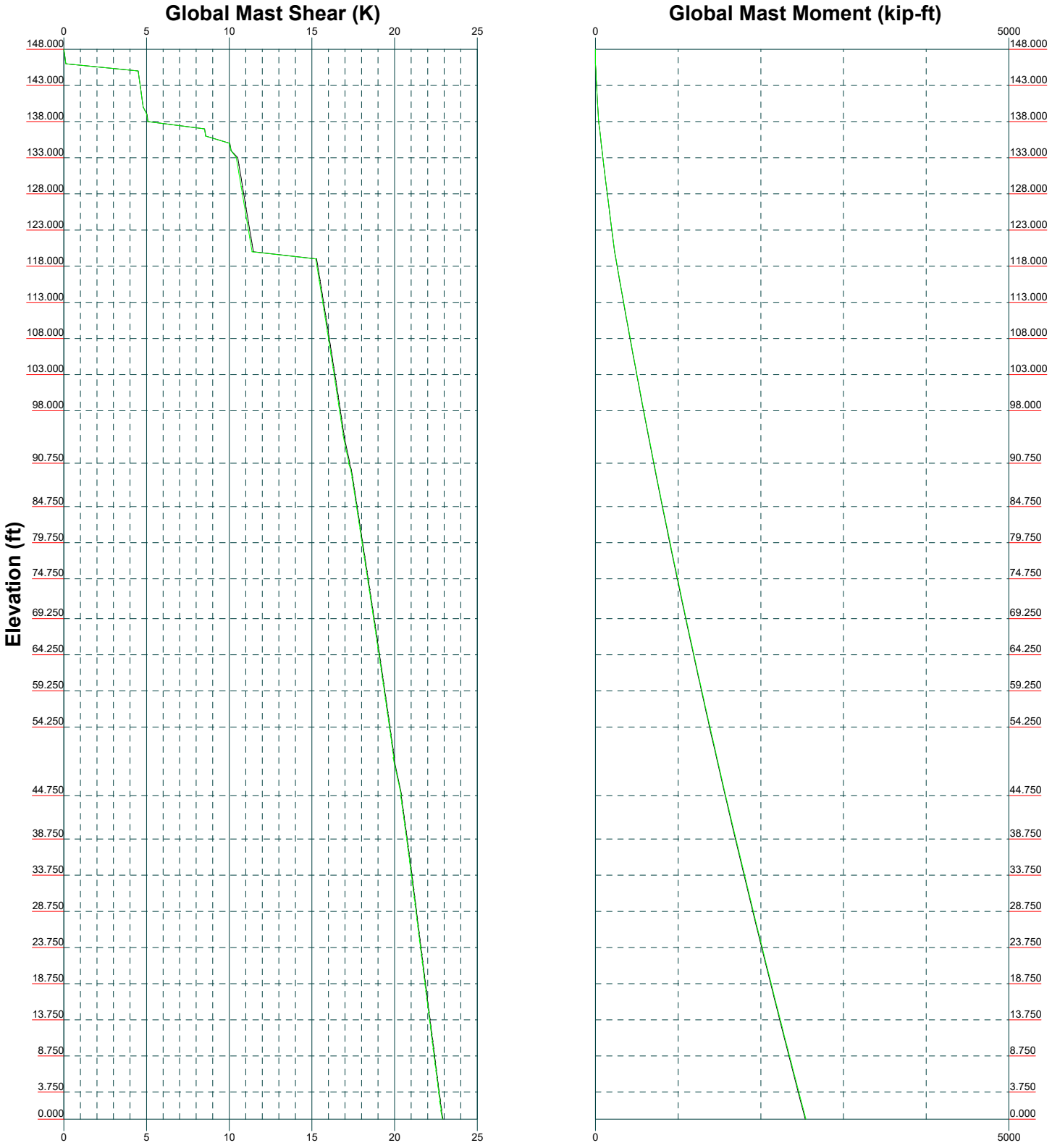
Job: 82071.007.01 - HILLSIDE, CT (BU# 876323
Project:
Client: Crown Castle | Drawn by: Suhas Poojary | App'd:
Code: TIA-222-H | Date: 05/05/21 | Scale: NTS
Path: | Dwg No. E-1

TIA-222-H - 125 mph/50 mph 1.500 in Ice Exposure B

Maximum Values

Vx Vz Mx Mz



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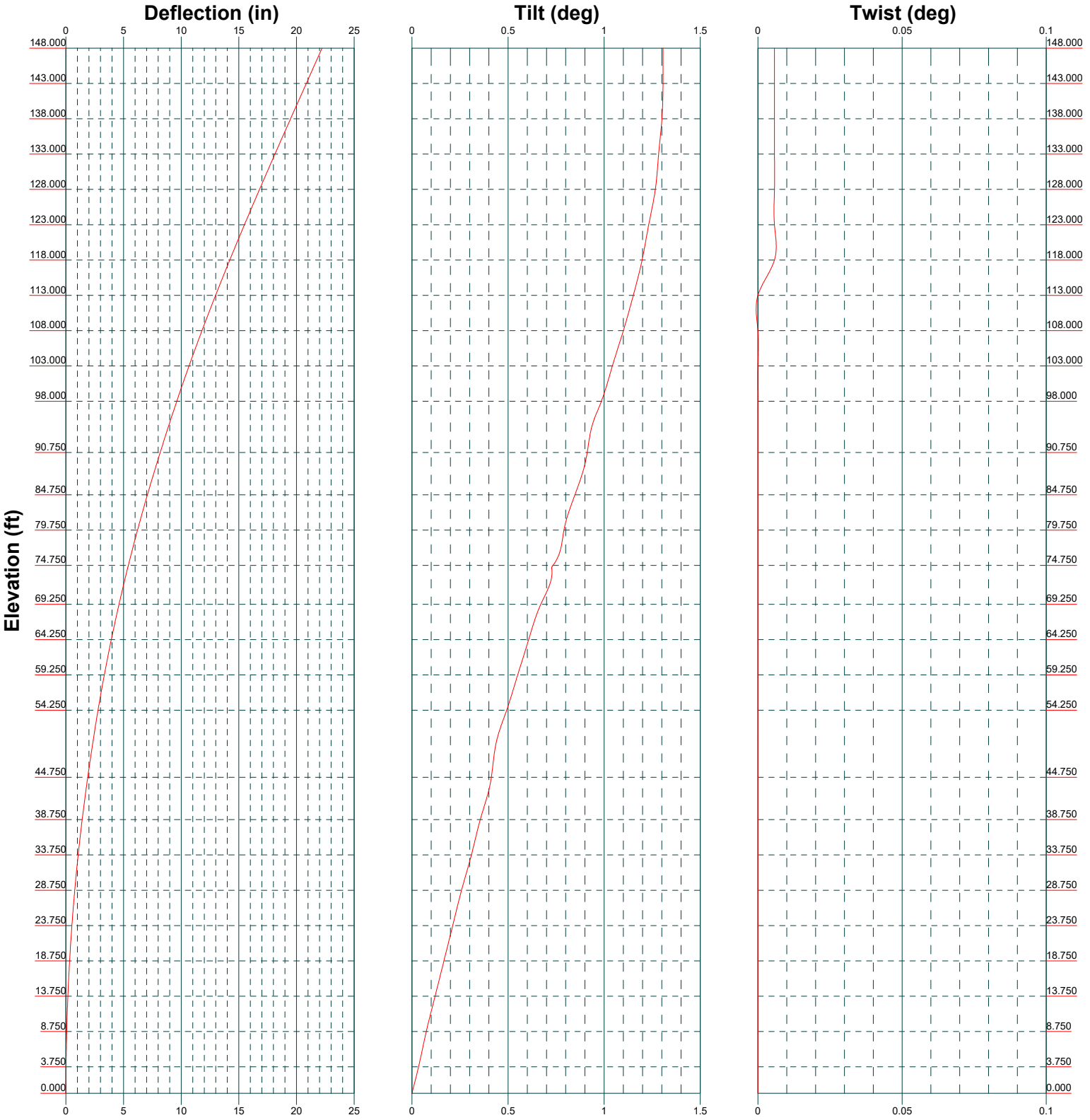
Project:			
Client: Crown Castle	Drawn by: Suhas Poojary	App'd:	
Code: TIA-222-H	Date: 05/05/21	Scale: NTS	
Path:		Dwg No. E-4	

TIA-222-H - Service - 60 mph

Maximum Values



B+T GRP

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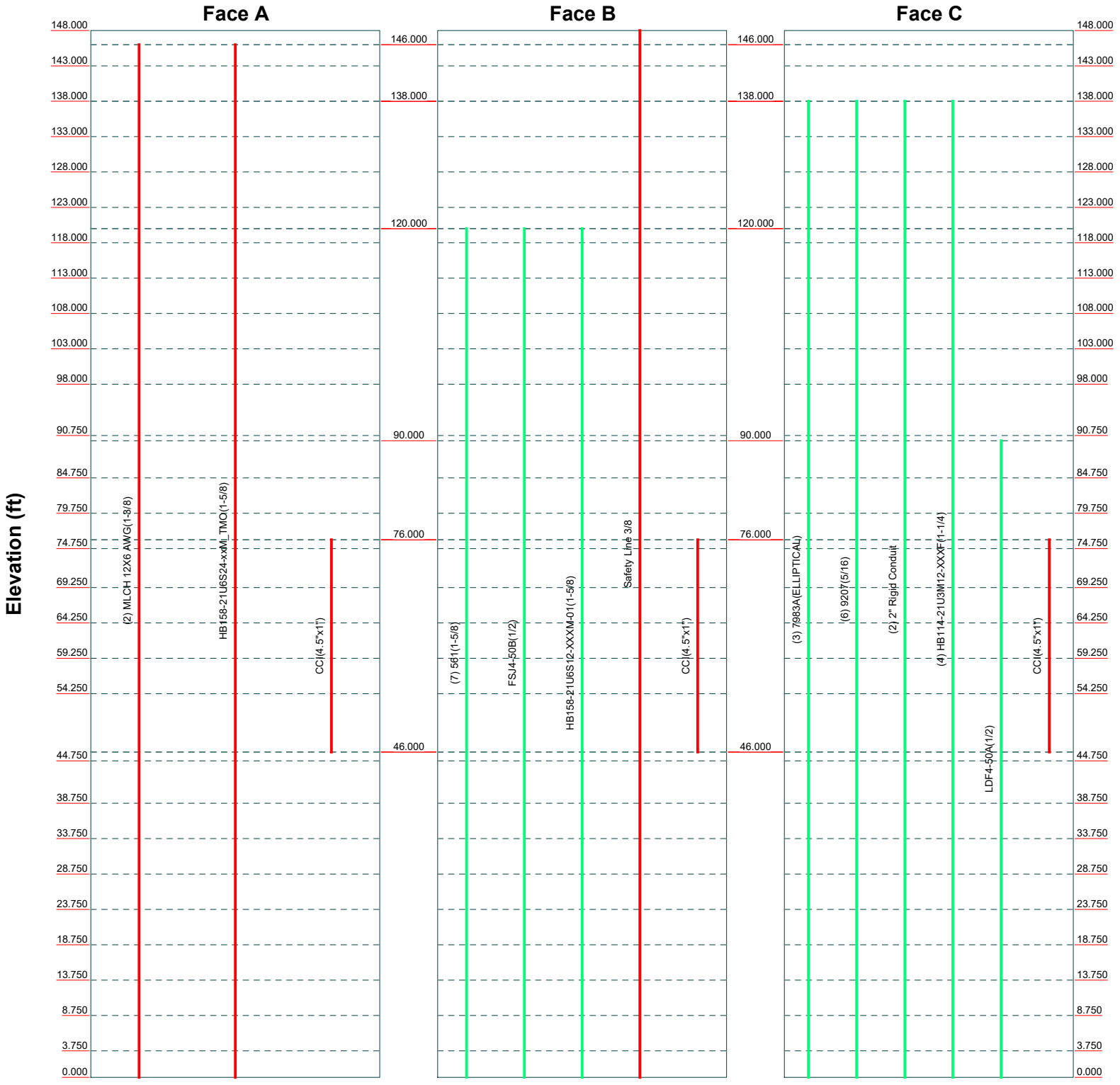
Job: *82071.007.01 - HILLSIDE, CT (BU# 876323*			
Project:			
Client: Crown Castle	Drawn by: Suhas Poojary	App'd:	
Code: TIA-222-H	Date: 05/05/21	Scale: NTS	
Path:		Dwg No. E-5	

Feed Line Distribution Chart
0' - 148'

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



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Job:	***82071.007.01 - HILLSIDE, CT (BU# 876323***		
Project:			
Client: Crown Castle	Drawn by: Suhas Poojary	App'd:	
Code: TIA-222-H	Date: 05/05/21	Scale: NTS	
Path:		Dwg No. E-7	

Tower Input Data

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

Tower is located in New Haven County, Connecticut.
Tower base elevation above sea level: 157.000 ft.
Basic wind speed of 125 mph.
Risk Category II.
Exposure Category B.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.000 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.
TOWER RATING: 69.7%.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	148.000-143.000	5.000	0.000	Round	24.000	24.000	0.250		A500-50 (50 ksi)
L2	143.000-138.000	5.000	0.000	Round	24.000	24.000	0.250		A500-50 (50 ksi)
L3	138.000-133.000	5.000	0.000	18	24.000	24.839	0.250	1.000	A607-60 (60 ksi)
L4	133.000-128.000	5.000	0.000	18	24.839	25.677	0.250	1.000	A607-60 (60 ksi)
L5	128.000-123.000	5.000	0.000	18	25.677	26.516	0.250	1.000	A607-60 (60 ksi)
L6	123.000-118.000	5.000	0.000	18	26.516	27.354	0.250	1.000	A607-60 (60 ksi)
L7	118.000-113.000	5.000	0.000	18	27.354	28.193	0.250	1.000	A607-60 (60 ksi)
L8	113.000-108.000	5.000	0.000	18	28.193	29.031	0.250	1.000	A607-60 (60 ksi)
L9	108.000-103.000	5.000	0.000	18	29.031	29.870	0.250	1.000	A607-60 (60 ksi)
L10	103.000-98.000	5.000	0.000	18	29.870	30.708	0.250	1.000	A607-60 (60 ksi)
L11	98.000-90.750	7.250	4.000	18	30.708	31.924	0.250	1.000	A607-60 (60 ksi)
L12	90.750-89.750	5.000	0.000	18	30.753	31.786	0.313	1.250	A607-60 (60 ksi)
L13	89.750-84.750	5.000	0.000	18	31.786	32.820	0.313	1.250	A607-60 (60 ksi)
L14	84.750-79.750	5.000	0.000	18	32.820	33.853	0.313	1.250	A607-60 (60 ksi)
L15	79.750-74.750	5.000	0.000	18	33.853	34.886	0.313	1.250	A607-60 (60 ksi)
L16	74.750-74.500	0.250	0.000	18	34.886	34.938	0.313	1.250	A607-60 (60 ksi)
L17	74.500-74.250	0.250	0.000	18	34.938	34.990	0.313	1.250	A607-60 (60 ksi)
L18	74.250-69.250	5.000	0.000	18	34.990	36.023	0.313	1.250	A607-60 (60 ksi)
L19	69.250-64.250	5.000	0.000	18	36.023	37.056	0.313	1.250	A607-60 (60 ksi)
L20	64.250-59.250	5.000	0.000	18	37.056	38.089	0.313	1.250	A607-60 (60 ksi)
L21	59.250-54.250	5.000	0.000	18	38.089	39.123	0.313	1.250	A607-60 (60 ksi)
L22	54.250-44.750	9.500	5.250	18	39.123	41.086	0.313	1.250	A607-60 (60 ksi)
L23	44.750-43.750	6.250	0.000	18	39.376	40.687	0.375	1.500	A607-60 (60 ksi)
L24	43.750-38.750	5.000	0.000	18	40.687	41.735	0.375	1.500	A607-60 (60 ksi)
L25	38.750-33.750	5.000	0.000	18	41.735	42.783	0.375	1.500	A607-60 (60 ksi)
L26	33.750-28.750	5.000	0.000	18	42.783	43.832	0.375	1.500	A607-60 (60 ksi)
L27	28.750-23.750	5.000	0.000	18	43.832	44.880	0.375	1.500	A607-60 (60 ksi)
L28	23.750-18.750	5.000	0.000	18	44.880	45.929	0.375	1.500	A607-60 (60 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L29	18.750-13.750	5.000	0.000	18	45.929	46.977	0.375	1.500	A607-60 (60 ksi)
L30	13.750-8.750	5.000	0.000	18	46.977	48.025	0.375	1.500	A607-60 (60 ksi)
L31	8.750-3.750	5.000	0.000	18	48.025	49.074	0.375	1.500	A607-60 (60 ksi)
L32	3.750-0.000	3.750		18	49.074	49.860	0.375	1.500	A607-60 (60 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	24.000	18.653	1315.343	8.397	12.000	109.612	2630.685	9.321	0.000	0
	24.000	18.653	1315.343	8.397	12.000	109.612	2630.685	9.321	0.000	0
L2	24.000	18.653	1315.343	8.397	12.000	109.612	2630.685	9.321	0.000	0
	24.000	18.653	1315.343	8.397	12.000	109.612	2630.685	9.321	0.000	0
L3	24.332	18.846	1342.998	8.431	12.192	110.154	2687.762	9.425	3.784	15.136
	25.183	19.511	1490.327	8.729	12.618	118.111	2982.614	9.757	3.932	15.726
L4	25.183	19.511	1490.327	8.729	12.618	118.111	2982.614	9.757	3.932	15.726
	26.035	20.176	1648.055	9.027	13.044	126.346	3298.278	10.090	4.079	16.317
L5	26.035	20.176	1648.055	9.027	13.044	126.346	3298.278	10.090	4.079	16.317
	26.886	20.842	1816.537	9.324	13.470	134.859	3635.463	10.423	4.227	16.907
L6	26.886	20.842	1816.537	9.324	13.470	134.859	3635.463	10.423	4.227	16.907
	27.737	21.507	1996.127	9.622	13.896	143.649	3994.880	10.756	4.374	17.497
L7	27.737	21.507	1996.127	9.622	13.896	143.649	3994.880	10.756	4.374	17.497
	28.589	22.172	2187.180	9.920	14.322	152.716	4377.237	11.088	4.522	18.088
L8	28.589	22.172	2187.180	9.920	14.322	152.716	4377.237	11.088	4.522	18.088
	29.440	22.838	2390.050	10.217	14.748	162.061	4783.246	11.421	4.669	18.678
L9	29.440	22.838	2390.050	10.217	14.748	162.061	4783.246	11.421	4.669	18.678
	30.292	23.503	2605.093	10.515	15.174	171.684	5213.614	11.754	4.817	19.268
L10	30.292	23.503	2605.093	10.515	15.174	171.684	5213.614	11.754	4.817	19.268
	31.143	24.169	2832.663	10.813	15.600	181.584	5669.053	12.087	4.965	19.859
L11	31.143	24.169	2832.663	10.813	15.600	181.584	5669.053	12.087	4.965	19.859
	32.378	25.133	3185.614	11.244	16.217	196.432	6375.419	12.569	5.179	20.714
L12	32.019	30.193	3534.742	10.806	15.623	226.258	7074.134	15.100	4.863	15.56
	32.229	31.218	3907.049	11.173	16.148	241.960	7819.239	15.612	5.044	16.142
L13	32.229	31.218	3907.049	11.173	16.148	241.960	7819.239	15.612	5.044	16.142
	33.278	32.243	4304.622	11.540	16.672	258.188	8614.908	16.125	5.226	16.724
L14	33.278	32.243	4304.622	11.540	16.672	258.188	8614.908	16.125	5.226	16.724
	34.327	33.268	4728.290	11.907	17.197	274.943	9462.802	16.637	5.408	17.306
L15	34.327	33.268	4728.290	11.907	17.197	274.943	9462.802	16.637	5.408	17.306
	35.376	34.293	5178.884	12.274	17.722	292.225	10364.582	17.150	5.590	17.888
L16	35.376	34.293	5178.884	12.274	17.722	292.225	10364.582	17.150	5.590	17.888
	35.429	34.344	5202.135	12.292	17.748	293.103	10411.115	17.175	5.599	17.917
L17	35.429	34.344	5202.135	12.292	17.748	293.103	10411.115	17.175	5.599	17.917
	35.481	34.395	5225.456	12.310	17.775	293.982	10457.787	17.201	5.608	17.946
L18	35.481	34.395	5225.456	12.310	17.775	293.982	10457.787	17.201	5.608	17.946
	36.530	35.420	5706.624	12.677	18.300	311.843	11420.758	17.714	5.790	18.528
L19	36.530	35.420	5706.624	12.677	18.300	311.843	11420.758	17.714	5.790	18.528
	37.580	36.445	6216.460	13.044	18.825	330.232	12441.099	18.226	5.972	19.11
L20	37.580	36.445	6216.460	13.044	18.825	330.232	12441.099	18.226	5.972	19.11
	38.629	37.470	6755.791	13.411	19.349	349.146	13520.472	18.739	6.154	19.692
L21	38.629	37.470	6755.791	13.411	19.349	349.146	13520.472	18.739	6.154	19.692
	39.678	38.495	7325.449	13.778	19.874	368.588	14660.536	19.251	6.336	20.274
L22	39.678	38.495	7325.449	13.778	19.874	368.588	14660.536	19.251	6.336	20.274

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
	41.672	40.442	8494.315	14.475	20.872	406.978	16999.807	20.225	6.681	21.38
L23	41.043	46.421	8920.818	13.845	20.003	445.973	17853.375	23.215	6.270	16.72
	41.256	47.981	9850.631	14.311	20.669	476.595	19714.224	23.995	6.501	17.336
L24	41.256	47.981	9850.631	14.311	20.669	476.595	19714.224	23.995	6.501	17.336
	42.321	49.229	10639.358	14.683	21.201	501.825	21292.715	24.619	6.685	17.828
L25	42.321	49.229	10639.358	14.683	21.201	501.825	21292.715	24.619	6.685	17.828
	43.385	50.477	11469.101	15.055	21.734	527.705	22953.292	25.243	6.870	18.32
L26	43.385	50.477	11469.101	15.055	21.734	527.705	22953.292	25.243	6.870	18.32
	44.450	51.724	12340.899	15.427	22.267	554.236	24698.037	25.867	7.054	18.812
L27	44.450	51.724	12340.899	15.427	22.267	554.236	24698.037	25.867	7.054	18.812
	45.515	52.972	13255.794	15.799	22.799	581.417	26529.030	26.491	7.239	19.304
L28	45.515	52.972	13255.794	15.799	22.799	581.417	26529.030	26.491	7.239	19.304
	46.579	54.220	14214.824	16.171	23.332	609.250	28448.352	27.115	7.423	19.796
L29	46.579	54.220	14214.824	16.171	23.332	609.250	28448.352	27.115	7.423	19.796
	47.644	55.468	15219.028	16.544	23.864	637.733	30458.083	27.739	7.608	20.288
L30	47.644	55.468	15219.028	16.544	23.864	637.733	30458.083	27.739	7.608	20.288
	48.708	56.716	16269.448	16.916	24.397	666.867	32560.304	28.363	7.792	20.78
L31	48.708	56.716	16269.448	16.916	24.397	666.867	32560.304	28.363	7.792	20.78
	49.773	57.964	17367.122	17.288	24.929	696.651	34757.096	28.987	7.977	21.272
L32	49.773	57.964	17367.122	17.288	24.929	696.651	34757.096	28.987	7.977	21.272
	50.571	58.900	18222.014	17.567	25.329	719.416	36468.004	29.455	8.115	21.641

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 148.000-143.000				1	1	1			
L2 143.000-138.000				1	1	1			
L3 138.000-133.000				1	1	1			
L4 133.000-128.000				1	1	1			
L5 128.000-123.000				1	1	1			
L6 123.000-118.000				1	1	1			
L7 118.000-113.000				1	1	1			
L8 113.000-108.000				1	1	1			
L9 108.000-103.000				1	1	1			
L10 103.000-98.000				1	1	1			
L11 98.000-90.750				1	1	1			
L12 90.750-89.750				1	1	1			

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L13 89.750-84.750				1	1	1			
L14 84.750-79.750				1	1	1			
L15 79.750-74.750				1	1	1			
L16 74.750-74.500				1	1	1			
L17 74.500-74.250				1	1	1			
L18 74.250-69.250				1	1	1			
L19 69.250-64.250				1	1	1			
L20 64.250-59.250				1	1	1			
L21 59.250-54.250				1	1	1			
L22 54.250-44.750				1	1	1			
L23 44.750-43.750				1	1	1			
L24 43.750-38.750				1	1	1			
L25 38.750-33.750				1	1	1			
L26 33.750-28.750				1	1	1			
L27 28.750-23.750				1	1	1			
L28 23.750-18.750				1	1	1			
L29 18.750-13.750				1	1	1			
L30 13.750-8.750				1	1	1			
L31 8.750-3.750				1	1	1			
L32 3.750-0.000				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
MLCH 12X6 AWG(1-3/8)	A	No	Surface Ar (CaAa)	146.000 - 0.000	2	1	-0.500 -0.470	1.430		0.002
HB158-21U6S24-xxM_TMO(1-5/8) *	A	No	Surface Ar (CaAa)	146.000 - 0.000	1	1	-0.300 -0.270	1.996		0.003
Safety Line 3/8 *	B	No	Surface Ar (CaAa)	148.000 - 0.000	1	1	-0.500 -0.490	0.375		0.000

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
CCI(4.5"x1")	A	No	Surface Af (CaAa)	76.000 - 46.000	1	1	0.000 0.050	4.500	11.000	0.000
CCI(4.5"x1")	B	No	Surface Af (CaAa)	76.000 - 46.000	1	1	0.000 0.050	4.500	11.000	0.000
CCI(4.5"x1")	C	No	Surface Af (CaAa)	76.000 - 46.000	1	1	0.000 0.050	4.500	11.000	0.000
*										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
*									
7983A(ELLIPTICAL)	C	No	No	Inside Pole	138.000 - 0.000	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000
9207(5/16)	C	No	No	Inside Pole	138.000 - 0.000	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
2" Rigid Conduit	C	No	No	Inside Pole	138.000 - 0.000	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.003 0.003 0.003 0.003
HB114-21U3M12-XXXF(1-1/4)	C	No	No	Inside Pole	138.000 - 0.000	4	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
*									
561(1-5/8)	B	No	No	Inside Pole	120.000 - 0.000	7	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
FSJ4-50B(1/2)	B	No	No	Inside Pole	120.000 - 0.000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000
HB158-21U6S12-XXXM-01(1-5/8)	B	No	No	Inside Pole	120.000 - 0.000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.002 0.002 0.002 0.002
*									
LDF4-50A(1/2)	C	No	No	Inside Pole	90.000 - 0.000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000
*									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	148.000-143.000	A	0.000	0.000	1.028	0.000	0.018
		B	0.000	0.000	0.188	0.000	0.001
		C	0.000	0.000	0.000	0.000	0.000
L2	143.000-138.000	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.001
		C	0.000	0.000	0.000	0.000	0.000
L3	138.000-133.000	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.001
		C	0.000	0.000	0.000	0.000	0.072
L4	133.000-128.000	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.001
		C	0.000	0.000	0.000	0.000	0.072
L5	128.000-123.000	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.001
		C	0.000	0.000	0.000	0.000	0.072
L6	123.000-118.000	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.024
		C	0.000	0.000	0.000	0.000	0.072
L7	118.000-113.000	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.059
		C	0.000	0.000	0.000	0.000	0.072
L8	113.000-108.000	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.059
		C	0.000	0.000	0.000	0.000	0.072
L9	108.000-103.000	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.059
		C	0.000	0.000	0.000	0.000	0.072
L10	103.000-98.000	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.059
		C	0.000	0.000	0.000	0.000	0.072
L11	98.000-90.750	A	0.000	0.000	2.484	0.000	0.043
		B	0.000	0.000	0.272	0.000	0.085
		C	0.000	0.000	0.000	0.000	0.104
L12	90.750-89.750	A	0.000	0.000	0.343	0.000	0.006
		B	0.000	0.000	0.037	0.000	0.012
		C	0.000	0.000	0.000	0.000	0.014
L13	89.750-84.750	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.059
		C	0.000	0.000	0.000	0.000	0.072
L14	84.750-79.750	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.059
		C	0.000	0.000	0.000	0.000	0.072
L15	79.750-74.750	A	0.000	0.000	2.651	0.000	0.030
		B	0.000	0.000	1.125	0.000	0.059
		C	0.000	0.000	0.938	0.000	0.072
L16	74.750-74.500	A	0.000	0.000	0.273	0.000	0.001
		B	0.000	0.000	0.197	0.000	0.003
		C	0.000	0.000	0.188	0.000	0.004
L17	74.500-74.250	A	0.000	0.000	0.273	0.000	0.001
		B	0.000	0.000	0.197	0.000	0.003
		C	0.000	0.000	0.188	0.000	0.004
L18	74.250-69.250	A	0.000	0.000	5.463	0.000	0.030
		B	0.000	0.000	3.938	0.000	0.059
		C	0.000	0.000	3.750	0.000	0.072
L19	69.250-64.250	A	0.000	0.000	5.463	0.000	0.030
		B	0.000	0.000	3.938	0.000	0.059
		C	0.000	0.000	3.750	0.000	0.072
L20	64.250-59.250	A	0.000	0.000	5.463	0.000	0.030

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B	0.000	0.000	3.938	0.000	0.059
		C	0.000	0.000	3.750	0.000	0.072
L21	59.250-54.250	A	0.000	0.000	5.463	0.000	0.030
		B	0.000	0.000	3.938	0.000	0.059
		C	0.000	0.000	3.750	0.000	0.072
L22	54.250-44.750	A	0.000	0.000	9.442	0.000	0.056
		B	0.000	0.000	6.544	0.000	0.111
		C	0.000	0.000	6.188	0.000	0.138
L23	44.750-43.750	A	0.000	0.000	0.343	0.000	0.006
		B	0.000	0.000	0.037	0.000	0.012
		C	0.000	0.000	0.000	0.000	0.014
L24	43.750-38.750	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.059
		C	0.000	0.000	0.000	0.000	0.072
L25	38.750-33.750	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.059
		C	0.000	0.000	0.000	0.000	0.072
L26	33.750-28.750	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.059
		C	0.000	0.000	0.000	0.000	0.072
L27	28.750-23.750	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.059
		C	0.000	0.000	0.000	0.000	0.072
L28	23.750-18.750	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.059
		C	0.000	0.000	0.000	0.000	0.072
L29	18.750-13.750	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.059
		C	0.000	0.000	0.000	0.000	0.072
L30	13.750-8.750	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.059
		C	0.000	0.000	0.000	0.000	0.072
L31	8.750-3.750	A	0.000	0.000	1.713	0.000	0.030
		B	0.000	0.000	0.188	0.000	0.059
		C	0.000	0.000	0.000	0.000	0.072
L32	3.750-0.000	A	0.000	0.000	1.285	0.000	0.022
		B	0.000	0.000	0.141	0.000	0.044
		C	0.000	0.000	0.000	0.000	0.054

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	148.000-143.000	A	1.479	0.000	0.000	2.803	0.000	0.068
		B		0.000	0.000	1.666	0.000	0.018
		C		0.000	0.000	0.000	0.000	0.000
L2	143.000-138.000	A	1.474	0.000	0.000	4.661	0.000	0.113
		B		0.000	0.000	1.661	0.000	0.018
		C		0.000	0.000	0.000	0.000	0.000
L3	138.000-133.000	A	1.468	0.000	0.000	4.650	0.000	0.113
		B		0.000	0.000	1.656	0.000	0.018
		C		0.000	0.000	0.000	0.000	0.072
L4	133.000-128.000	A	1.463	0.000	0.000	4.639	0.000	0.112
		B		0.000	0.000	1.650	0.000	0.018
		C		0.000	0.000	0.000	0.000	0.072
L5	128.000-123.000	A	1.457	0.000	0.000	4.627	0.000	0.112
		B		0.000	0.000	1.645	0.000	0.017

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C		0.000	0.000	0.000	0.000	0.072
L6	123.000-118.000	A	1.451	0.000	0.000	4.616	0.000	0.111
		B		0.000	0.000	1.639	0.000	0.040
		C		0.000	0.000	0.000	0.000	0.072
L7	118.000-113.000	A	1.445	0.000	0.000	4.603	0.000	0.111
		B		0.000	0.000	1.633	0.000	0.075
		C		0.000	0.000	0.000	0.000	0.072
L8	113.000-108.000	A	1.439	0.000	0.000	4.591	0.000	0.110
		B		0.000	0.000	1.626	0.000	0.074
		C		0.000	0.000	0.000	0.000	0.072
L9	108.000-103.000	A	1.432	0.000	0.000	4.577	0.000	0.110
		B		0.000	0.000	1.620	0.000	0.074
		C		0.000	0.000	0.000	0.000	0.072
L10	103.000-98.000	A	1.425	0.000	0.000	4.563	0.000	0.109
		B		0.000	0.000	1.613	0.000	0.074
		C		0.000	0.000	0.000	0.000	0.072
L11	98.000-90.750	A	1.416	0.000	0.000	6.591	0.000	0.157
		B		0.000	0.000	2.325	0.000	0.107
		C		0.000	0.000	0.000	0.000	0.104
L12	90.750-89.750	A	1.410	0.000	0.000	0.909	0.000	0.022
		B		0.000	0.000	0.321	0.000	0.015
		C		0.000	0.000	0.000	0.000	0.014
L13	89.750-84.750	A	1.405	0.000	0.000	4.523	0.000	0.108
		B		0.000	0.000	1.593	0.000	0.074
		C		0.000	0.000	0.000	0.000	0.072
L14	84.750-79.750	A	1.397	0.000	0.000	4.507	0.000	0.107
		B		0.000	0.000	1.584	0.000	0.074
		C		0.000	0.000	0.000	0.000	0.072
L15	79.750-74.750	A	1.388	0.000	0.000	5.774	0.000	0.117
		B		0.000	0.000	2.860	0.000	0.084
		C		0.000	0.000	1.285	0.000	0.083
L16	74.750-74.500	A	1.383	0.000	0.000	0.481	0.000	0.007
		B		0.000	0.000	0.335	0.000	0.006
		C		0.000	0.000	0.257	0.000	0.006
L17	74.500-74.250	A	1.383	0.000	0.000	0.481	0.000	0.007
		B		0.000	0.000	0.335	0.000	0.006
		C		0.000	0.000	0.257	0.000	0.006
L18	74.250-69.250	A	1.378	0.000	0.000	9.597	0.000	0.149
		B		0.000	0.000	6.693	0.000	0.117
		C		0.000	0.000	5.128	0.000	0.116
L19	69.250-64.250	A	1.368	0.000	0.000	9.567	0.000	0.148
		B		0.000	0.000	6.674	0.000	0.116
		C		0.000	0.000	5.118	0.000	0.115
L20	64.250-59.250	A	1.357	0.000	0.000	9.535	0.000	0.146
		B		0.000	0.000	6.652	0.000	0.116
		C		0.000	0.000	5.107	0.000	0.115
L21	59.250-54.250	A	1.346	0.000	0.000	9.501	0.000	0.145
		B		0.000	0.000	6.630	0.000	0.115
		C		0.000	0.000	5.096	0.000	0.115
L22	54.250-44.750	A	1.328	0.000	0.000	16.678	0.000	0.261
		B		0.000	0.000	11.257	0.000	0.206
		C		0.000	0.000	8.378	0.000	0.206
L23	44.750-43.750	A	1.313	0.000	0.000	0.874	0.000	0.020
		B		0.000	0.000	0.303	0.000	0.014
		C		0.000	0.000	0.000	0.000	0.014
L24	43.750-38.750	A	1.304	0.000	0.000	4.320	0.000	0.100
		B		0.000	0.000	1.491	0.000	0.072
		C		0.000	0.000	0.000	0.000	0.072
L25	38.750-33.750	A	1.287	0.000	0.000	4.287	0.000	0.098
		B		0.000	0.000	1.474	0.000	0.072
		C		0.000	0.000	0.000	0.000	0.072

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L26	33.750-28.750	A	1.268	0.000	0.000	4.249	0.000	0.097
		B		0.000	0.000	1.456	0.000	0.071
		C		0.000	0.000	0.000	0.000	0.072
L27	28.750-23.750	A	1.246	0.000	0.000	4.205	0.000	0.095
		B		0.000	0.000	1.434	0.000	0.071
		C		0.000	0.000	0.000	0.000	0.072
L28	23.750-18.750	A	1.220	0.000	0.000	4.153	0.000	0.093
		B		0.000	0.000	1.408	0.000	0.070
		C		0.000	0.000	0.000	0.000	0.072
L29	18.750-13.750	A	1.188	0.000	0.000	4.088	0.000	0.091
		B		0.000	0.000	1.375	0.000	0.070
		C		0.000	0.000	0.000	0.000	0.072
L30	13.750-8.750	A	1.145	0.000	0.000	4.003	0.000	0.088
		B		0.000	0.000	1.332	0.000	0.069
		C		0.000	0.000	0.000	0.000	0.072
L31	8.750-3.750	A	1.079	0.000	0.000	3.872	0.000	0.083
		B		0.000	0.000	1.267	0.000	0.068
		C		0.000	0.000	0.000	0.000	0.072
L32	3.750-0.000	A	0.957	0.000	0.000	2.720	0.000	0.056
		B		0.000	0.000	0.858	0.000	0.050
		C		0.000	0.000	0.000	0.000	0.054

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	148.000-143.000	-1.776	0.140	-1.930	-0.587
L2	143.000-138.000	-2.630	0.394	-2.917	-0.202
L3	138.000-133.000	-2.253	0.337	-2.904	-0.202
L4	133.000-128.000	-2.281	0.340	-2.929	-0.206
L5	128.000-123.000	-2.308	0.344	-2.952	-0.209
L6	123.000-118.000	-2.327	0.346	-2.975	-0.212
L7	118.000-113.000	-2.335	0.346	-2.995	-0.215
L8	113.000-108.000	-2.342	0.347	-3.015	-0.218
L9	108.000-103.000	-2.349	0.347	-3.033	-0.220
L10	103.000-98.000	-2.355	0.347	-3.049	-0.222
L11	98.000-90.750	-2.363	0.348	-3.068	-0.224
L12	90.750-89.750	-2.366	0.348	-3.078	-0.226
L13	89.750-84.750	-2.370	0.348	-3.083	-0.225
L14	84.750-79.750	-2.377	0.349	-3.100	-0.227
L15	79.750-74.750	-1.946	0.285	-2.697	-0.198
L16	74.750-74.500	-1.264	0.185	-1.936	-0.142
L17	74.500-74.250	-1.265	0.185	-1.937	-0.142
L18	74.250-69.250	-1.274	0.186	-1.949	-0.143
L19	69.250-64.250	-1.292	0.189	-1.971	-0.145
L20	64.250-59.250	-1.309	0.191	-1.992	-0.146
L21	59.250-54.250	-1.326	0.193	-2.012	-0.147
L22	54.250-44.750	-1.433	0.208	-2.138	-0.156
L23	44.750-43.750	-2.416	0.351	-3.174	-0.232
L24	43.750-38.750	-2.419	0.351	-3.159	-0.226
L25	38.750-33.750	-2.424	0.351	-3.157	-0.224
L26	33.750-28.750	-2.428	0.351	-3.152	-0.221
L27	28.750-23.750	-2.432	0.351	-3.143	-0.217
L28	23.750-18.750	-2.436	0.352	-3.129	-0.211
L29	18.750-13.750	-2.440	0.352	-3.106	-0.204
L30	13.750-8.750	-2.444	0.352	-3.070	-0.192

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
L31	8.750-3.750	-2.447	0.352	-3.006	-0.173
L32	3.750-0.000	-2.450	0.352	-2.869	-0.135

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	3	MLCH 12X6 AWG(1-3/8)	143.00 - 146.00	1.0000	1.0000
L1	4	HB158-21U6S24-xxM_TMO (1-5/8)	143.00 - 146.00	1.0000	1.0000
L1	17	Safety Line 3/8	143.00 - 148.00	1.0000	1.0000
L2	3	MLCH 12X6 AWG(1-3/8)	138.00 - 143.00	1.0000	1.0000
L2	4	HB158-21U6S24-xxM_TMO (1-5/8)	138.00 - 143.00	1.0000	1.0000
L2	17	Safety Line 3/8	138.00 - 143.00	1.0000	1.0000
L3	3	MLCH 12X6 AWG(1-3/8)	133.00 - 138.00	1.0000	1.0000
L3	4	HB158-21U6S24-xxM_TMO (1-5/8)	133.00 - 138.00	1.0000	1.0000
L3	17	Safety Line 3/8	133.00 - 138.00	1.0000	1.0000
L4	3	MLCH 12X6 AWG(1-3/8)	128.00 - 133.00	1.0000	1.0000
L4	4	HB158-21U6S24-xxM_TMO (1-5/8)	128.00 - 133.00	1.0000	1.0000
L4	17	Safety Line 3/8	128.00 - 133.00	1.0000	1.0000
L5	3	MLCH 12X6 AWG(1-3/8)	123.00 - 128.00	1.0000	1.0000
L5	4	HB158-21U6S24-xxM_TMO (1-5/8)	123.00 - 128.00	1.0000	1.0000
L5	17	Safety Line 3/8	123.00 - 128.00	1.0000	1.0000
L6	3	MLCH 12X6 AWG(1-3/8)	118.00 - 123.00	1.0000	1.0000
L6	4	HB158-21U6S24-xxM_TMO (1-5/8)	118.00 - 123.00	1.0000	1.0000
L6	17	Safety Line 3/8	118.00 - 123.00	1.0000	1.0000
L7	3	MLCH 12X6 AWG(1-3/8)	113.00 - 118.00	1.0000	1.0000
L7	4	HB158-21U6S24-xxM_TMO (1-5/8)	113.00 - 118.00	1.0000	1.0000
L7	17	Safety Line 3/8	113.00 - 118.00	1.0000	1.0000
L8	3	MLCH 12X6 AWG(1-3/8)	108.00 - 113.00	1.0000	1.0000
L8	4	HB158-21U6S24-xxM_TMO	108.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
		(1-5/8)	113.00		
L8	17	Safety Line 3/8	108.00 - 113.00	1.0000	1.0000
L9	3	MLCH 12X6 AWG(1-3/8)	103.00 - 108.00	1.0000	1.0000
L9	4	HB158-21U6S24-xxM_TMO (1-5/8)	103.00 - 108.00	1.0000	1.0000
L9	17	Safety Line 3/8	103.00 - 108.00	1.0000	1.0000
L10	3	MLCH 12X6 AWG(1-3/8)	98.00 - 103.00	1.0000	1.0000
L10	4	HB158-21U6S24-xxM_TMO (1-5/8)	98.00 - 103.00	1.0000	1.0000
L10	17	Safety Line 3/8	98.00 - 103.00	1.0000	1.0000
L11	3	MLCH 12X6 AWG(1-3/8)	90.75 - 98.00	1.0000	1.0000
L11	4	HB158-21U6S24-xxM_TMO (1-5/8)	90.75 - 98.00	1.0000	1.0000
L11	17	Safety Line 3/8	90.75 - 98.00	1.0000	1.0000
L12	3	MLCH 12X6 AWG(1-3/8)	89.75 - 90.75	1.0000	1.0000
L12	4	HB158-21U6S24-xxM_TMO (1-5/8)	89.75 - 90.75	1.0000	1.0000
L12	17	Safety Line 3/8	89.75 - 90.75	1.0000	1.0000
L13	3	MLCH 12X6 AWG(1-3/8)	84.75 - 89.75	1.0000	1.0000
L13	4	HB158-21U6S24-xxM_TMO (1-5/8)	84.75 - 89.75	1.0000	1.0000
L13	17	Safety Line 3/8	84.75 - 89.75	1.0000	1.0000
L14	3	MLCH 12X6 AWG(1-3/8)	79.75 - 84.75	1.0000	1.0000
L14	4	HB158-21U6S24-xxM_TMO (1-5/8)	79.75 - 84.75	1.0000	1.0000
L14	17	Safety Line 3/8	79.75 - 84.75	1.0000	1.0000
L15	3	MLCH 12X6 AWG(1-3/8)	74.75 - 79.75	1.0000	1.0000
L15	4	HB158-21U6S24-xxM_TMO (1-5/8)	74.75 - 79.75	1.0000	1.0000
L15	17	Safety Line 3/8	74.75 - 79.75	1.0000	1.0000
L15	19	CCI(4.5"x1")	74.75 - 76.00	1.0000	1.0000
L15	20	CCI(4.5"x1")	74.75 - 76.00	1.0000	1.0000
L15	21	CCI(4.5"x1")	74.75 - 76.00	1.0000	1.0000
L16	3	MLCH 12X6 AWG(1-3/8)	74.50 - 74.75	1.0000	1.0000
L16	4	HB158-21U6S24-xxM_TMO (1-5/8)	74.50 - 74.75	1.0000	1.0000
L16	17	Safety Line 3/8	74.50 - 74.75	1.0000	1.0000
L16	19	CCI(4.5"x1")	74.50 - 74.75	1.0000	1.0000
L16	20	CCI(4.5"x1")	74.50 - 74.75	1.0000	1.0000
L16	21	CCI(4.5"x1")	74.50 - 74.75	1.0000	1.0000
L17	3	MLCH 12X6 AWG(1-3/8)	74.25 - 74.50	1.0000	1.0000
L17	4	HB158-21U6S24-xxM_TMO (1-5/8)	74.25 - 74.50	1.0000	1.0000
L17	17	Safety Line 3/8	74.25 - 74.50	1.0000	1.0000
L17	19	CCI(4.5"x1")	74.25 - 74.50	1.0000	1.0000
L17	20	CCI(4.5"x1")	74.25 - 74.50	1.0000	1.0000
L17	21	CCI(4.5"x1")	74.25 - 74.50	1.0000	1.0000
L18	3	MLCH 12X6 AWG(1-3/8)	69.25 - 74.25	1.0000	1.0000
L18	4	HB158-21U6S24-xxM_TMO (1-5/8)	69.25 - 74.25	1.0000	1.0000
L18	17	Safety Line 3/8	69.25 - 74.25	1.0000	1.0000
L18	19	CCI(4.5"x1")	69.25 - 74.25	1.0000	1.0000
L18	20	CCI(4.5"x1")	69.25 - 74.25	1.0000	1.0000
L18	21	CCI(4.5"x1")	69.25 - 74.25	1.0000	1.0000
L19	3	MLCH 12X6 AWG(1-3/8)	64.25 - 69.25	1.0000	1.0000
L19	4	HB158-21U6S24-xxM_TMO (1-5/8)	64.25 - 69.25	1.0000	1.0000
L19	17	Safety Line 3/8	64.25 - 69.25	1.0000	1.0000
L19	19	CCI(4.5"x1")	64.25 - 69.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L19	20	CCI(4.5"x1")	64.25 - 69.25	1.0000	1.0000
L19	21	CCI(4.5"x1")	64.25 - 69.25	1.0000	1.0000
L20	3	MLCH 12X6 AWG(1-3/8)	59.25 - 64.25	1.0000	1.0000
L20	4	HB158-21U6S24-xxM_TMO (1-5/8)	59.25 - 64.25	1.0000	1.0000
L20	17	Safety Line 3/8	59.25 - 64.25	1.0000	1.0000
L20	19	CCI(4.5"x1")	59.25 - 64.25	1.0000	1.0000
L20	20	CCI(4.5"x1")	59.25 - 64.25	1.0000	1.0000
L20	21	CCI(4.5"x1")	59.25 - 64.25	1.0000	1.0000
L21	3	MLCH 12X6 AWG(1-3/8)	54.25 - 59.25	1.0000	1.0000
L21	4	HB158-21U6S24-xxM_TMO (1-5/8)	54.25 - 59.25	1.0000	1.0000
L21	17	Safety Line 3/8	54.25 - 59.25	1.0000	1.0000
L21	19	CCI(4.5"x1")	54.25 - 59.25	1.0000	1.0000
L21	20	CCI(4.5"x1")	54.25 - 59.25	1.0000	1.0000
L21	21	CCI(4.5"x1")	54.25 - 59.25	1.0000	1.0000
L22	3	MLCH 12X6 AWG(1-3/8)	44.75 - 54.25	1.0000	1.0000
L22	4	HB158-21U6S24-xxM_TMO (1-5/8)	44.75 - 54.25	1.0000	1.0000
L22	17	Safety Line 3/8	44.75 - 54.25	1.0000	1.0000
L22	19	CCI(4.5"x1")	46.00 - 54.25	1.0000	1.0000
L22	20	CCI(4.5"x1")	46.00 - 54.25	1.0000	1.0000
L22	21	CCI(4.5"x1")	46.00 - 54.25	1.0000	1.0000
L23	3	MLCH 12X6 AWG(1-3/8)	43.75 - 44.75	1.0000	1.0000
L23	4	HB158-21U6S24-xxM_TMO (1-5/8)	43.75 - 44.75	1.0000	1.0000
L23	17	Safety Line 3/8	43.75 - 44.75	1.0000	1.0000
L24	3	MLCH 12X6 AWG(1-3/8)	38.75 - 43.75	1.0000	1.0000
L24	4	HB158-21U6S24-xxM_TMO (1-5/8)	38.75 - 43.75	1.0000	1.0000
L24	17	Safety Line 3/8	38.75 - 43.75	1.0000	1.0000
L25	3	MLCH 12X6 AWG(1-3/8)	33.75 - 38.75	1.0000	1.0000
L25	4	HB158-21U6S24-xxM_TMO (1-5/8)	33.75 - 38.75	1.0000	1.0000
L25	17	Safety Line 3/8	33.75 - 38.75	1.0000	1.0000
L26	3	MLCH 12X6 AWG(1-3/8)	28.75 - 33.75	1.0000	1.0000
L26	4	HB158-21U6S24-xxM_TMO (1-5/8)	28.75 - 33.75	1.0000	1.0000
L26	17	Safety Line 3/8	28.75 - 33.75	1.0000	1.0000
L27	3	MLCH 12X6 AWG(1-3/8)	23.75 - 28.75	1.0000	1.0000
L27	4	HB158-21U6S24-xxM_TMO (1-5/8)	23.75 - 28.75	1.0000	1.0000
L27	17	Safety Line 3/8	23.75 - 28.75	1.0000	1.0000
L28	3	MLCH 12X6 AWG(1-3/8)	18.75 - 23.75	1.0000	1.0000
L28	4	HB158-21U6S24-xxM_TMO (1-5/8)	18.75 - 23.75	1.0000	1.0000
L28	17	Safety Line 3/8	18.75 - 23.75	1.0000	1.0000
L29	3	MLCH 12X6 AWG(1-3/8)	13.75 - 18.75	1.0000	1.0000
L29	4	HB158-21U6S24-xxM_TMO (1-5/8)	13.75 - 18.75	1.0000	1.0000
L29	17	Safety Line 3/8	13.75 - 18.75	1.0000	1.0000
L30	3	MLCH 12X6 AWG(1-3/8)	8.75 - 13.75	1.0000	1.0000
L30	4	HB158-21U6S24-xxM_TMO (1-5/8)	8.75 - 13.75	1.0000	1.0000
L30	17	Safety Line 3/8	8.75 - 13.75	1.0000	1.0000
L31	3	MLCH 12X6 AWG(1-3/8)	3.75 - 8.75	1.0000	1.0000
L31	4	HB158-21U6S24-xxM_TMO (1-5/8)	3.75 - 8.75	1.0000	1.0000
L31	17	Safety Line 3/8	3.75 - 8.75	1.0000	1.0000
L32	3	MLCH 12X6 AWG(1-3/8)	0.00 - 3.75	1.0000	1.0000
L32	4	HB158-21U6S24-xxM_TMO (1-5/8)	0.00 - 3.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L32	17	Safety Line 3/8	0.00 - 3.75	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L15	19	CCI(4.5"x1")	74.75 - 76.00	Auto	0.0000
L15	20	CCI(4.5"x1")	74.75 - 76.00	Auto	0.0000
L15	21	CCI(4.5"x1")	74.75 - 76.00	Auto	0.0000
L16	19	CCI(4.5"x1")	74.50 - 74.75	Auto	0.0000
L16	20	CCI(4.5"x1")	74.50 - 74.75	Auto	0.0000
L16	21	CCI(4.5"x1")	74.50 - 74.75	Auto	0.0000
L17	19	CCI(4.5"x1")	74.25 - 74.50	Auto	0.0000
L17	20	CCI(4.5"x1")	74.25 - 74.50	Auto	0.0000
L17	21	CCI(4.5"x1")	74.25 - 74.50	Auto	0.0000
L18	19	CCI(4.5"x1")	69.25 - 74.25	Auto	0.0000
L18	20	CCI(4.5"x1")	69.25 - 74.25	Auto	0.0000
L18	21	CCI(4.5"x1")	69.25 - 74.25	Auto	0.0000
L19	19	CCI(4.5"x1")	64.25 - 69.25	Auto	0.0000
L19	20	CCI(4.5"x1")	64.25 - 69.25	Auto	0.0000
L19	21	CCI(4.5"x1")	64.25 - 69.25	Auto	0.0000
L20	19	CCI(4.5"x1")	59.25 - 64.25	Auto	0.0000
L20	20	CCI(4.5"x1")	59.25 - 64.25	Auto	0.0000
L20	21	CCI(4.5"x1")	59.25 - 64.25	Auto	0.0000
L21	19	CCI(4.5"x1")	54.25 - 59.25	Auto	0.0000
L21	20	CCI(4.5"x1")	54.25 - 59.25	Auto	0.0000
L21	21	CCI(4.5"x1")	54.25 - 59.25	Auto	0.0000
L22	19	CCI(4.5"x1")	46.00 - 54.25	Auto	0.0000
L22	20	CCI(4.5"x1")	46.00 - 54.25	Auto	0.0000
L22	21	CCI(4.5"x1")	46.00 - 54.25	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
AIR -32 B2A/B66AA w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	146.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.760 4.120 4.480 5.240	3.150 3.490 3.840 4.580	0.194 0.252 0.320 0.485
AIR -32 B2A/B66AA w/ Mount Pipe	B	From Leg	4.000 0.000	0.000	146.000	No Ice 1/2" Ice	3.760 4.120	3.150 3.490	0.194 0.252

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000				1" Ice	4.480	3.840	0.320
							2" Ice	5.240	4.580	0.485
AIR -32 B2A/B66AA w/ Mount Pipe	C	From Leg	4.000	0.000	0.000	146.000	No Ice	3.760	3.150	0.194
			0.000				1/2" Ice	4.120	3.490	0.252
			0.000				1" Ice	4.480	3.840	0.320
							2" Ice	5.240	4.580	0.485
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.000	0.000	0.000	146.000	No Ice	14.690	6.870	0.186
			0.000				1/2" Ice	15.460	7.550	0.315
			0.000				1" Ice	16.230	8.250	0.458
							2" Ice	17.820	9.670	0.788
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.000	0.000	0.000	146.000	No Ice	14.690	6.870	0.186
			0.000				1/2" Ice	15.460	7.550	0.315
			0.000				1" Ice	16.230	8.250	0.458
							2" Ice	17.820	9.670	0.788
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.000	0.000	0.000	146.000	No Ice	14.690	6.870	0.186
			0.000				1/2" Ice	15.460	7.550	0.315
			0.000				1" Ice	16.230	8.250	0.458
							2" Ice	17.820	9.670	0.788
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.000	0.000	0.000	146.000	No Ice	5.190	2.710	0.128
			0.000				1/2" Ice	5.590	3.040	0.174
			0.000				1" Ice	6.020	3.380	0.227
							2" Ice	6.900	4.120	0.354
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.000	0.000	0.000	146.000	No Ice	5.190	2.710	0.128
			0.000				1/2" Ice	5.590	3.040	0.174
			0.000				1" Ice	6.020	3.380	0.227
							2" Ice	6.900	4.120	0.354
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.000	0.000	0.000	146.000	No Ice	5.190	2.710	0.128
			0.000				1/2" Ice	5.590	3.040	0.174
			0.000				1" Ice	6.020	3.380	0.227
							2" Ice	6.900	4.120	0.354
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.000	0.000	0.000	146.000	No Ice	1.970	1.587	0.073
			0.000				1/2" Ice	2.147	1.749	0.093
			0.000				1" Ice	2.331	1.918	0.116
							2" Ice	2.721	2.280	0.170
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.000	0.000	0.000	146.000	No Ice	1.970	1.587	0.073
			0.000				1/2" Ice	2.147	1.749	0.093
			0.000				1" Ice	2.331	1.918	0.116
							2" Ice	2.721	2.280	0.170
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.000	0.000	0.000	146.000	No Ice	1.970	1.587	0.073
			0.000				1/2" Ice	2.147	1.749	0.093
			0.000				1" Ice	2.331	1.918	0.116
							2" Ice	2.721	2.280	0.170
RRUS 4415 B25_CCIV2	A	From Leg	4.000	0.000	0.000	146.000	No Ice	1.843	0.820	0.046
			0.000				1/2" Ice	2.012	0.943	0.060
			0.000				1" Ice	2.190	1.075	0.077
							2" Ice	2.566	1.368	0.118
RRUS 4415 B25_CCIV2	B	From Leg	4.000	0.000	0.000	146.000	No Ice	1.843	0.820	0.046
			0.000				1/2" Ice	2.012	0.943	0.060
			0.000				1" Ice	2.190	1.075	0.077
							2" Ice	2.566	1.368	0.118
RRUS 4415 B25_CCIV2	C	From Leg	4.000	0.000	0.000	146.000	No Ice	1.843	0.820	0.046
			0.000				1/2" Ice	2.012	0.943	0.060
			0.000				1" Ice	2.190	1.075	0.077
							2" Ice	2.566	1.368	0.118
8' x 2" Pipe Mount	A	From Leg	4.000	0.000	0.000	146.000	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

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice	4.396	4.396	0.119
8' x 2" Pipe Mount	B	From Leg	4.000 0.000 0.000	0.000	146.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.900 2.728 3.401 4.396	1.900 2.728 3.401 4.396	0.029 0.044 0.063 0.119
8' x 2" Pipe Mount	C	From Leg	4.000 0.000 0.000	0.000	146.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.900 2.728 3.401 4.396	1.900 2.728 3.401 4.396	0.029 0.044 0.063 0.119
Platform Mount [LP 303-1_KCKR-HR-1]	C	None		0.000	146.000	No Ice 1/2" Ice 1" Ice 2" Ice	28.310 35.690 43.110 58.210	28.310 35.690 43.110 58.210	1.770 2.297 2.943 4.603
*									
DT465B-2XR w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.500 5.970 6.450 7.440	4.380 4.840 5.300 6.260	0.091 0.164 0.248 0.451
DT465B-2XR w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.500 5.970 6.450 7.440	4.380 4.840 5.300 6.260	0.091 0.164 0.248 0.451
DT465B-2XR w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	5.500 5.970 6.450 7.440	4.380 4.840 5.300 6.260	0.091 0.164 0.248 0.451
(2) P40-16-XLPP-RR-A w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.240 7.730 8.240 9.280	3.310 3.730 4.160 5.060	0.084 0.147 0.219 0.393
(2) P40-16-XLPP-RR-A w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.240 7.730 8.240 9.280	3.310 3.730 4.160 5.060	0.084 0.147 0.219 0.393
(2) P40-16-XLPP-RR-A w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.240 7.730 8.240 9.280	3.310 3.730 4.160 5.060	0.084 0.147 0.219 0.393
TD-RRH8X20-25	A	From Leg	4.000 0.000 2.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.704 3.946 4.196 4.717	1.294 1.465 1.642 2.019	0.066 0.090 0.117 0.183
TD-RRH8X20-25	B	From Leg	4.000 0.000 2.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.704 3.946 4.196 4.717	1.294 1.465 1.642 2.019	0.066 0.090 0.117 0.183
TD-RRH8X20-25	C	From Leg	4.000 0.000 2.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.704 3.946 4.196 4.717	1.294 1.465 1.642 2.019	0.066 0.090 0.117 0.183
CLEARWIRE LLPX310R-V1 w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.880 4.290 4.720 5.610	2.360 2.730 3.120 3.940	0.057 0.091 0.133 0.238
LLPX310R-V1 w/ Mount Pipe	B	From Leg	4.000 0.000	0.000	138.000	No Ice 1/2" Ice	3.880 4.290	2.360 2.730	0.057 0.091

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			2.000			1" Ice	4.720	3.120	0.133
						2" Ice	5.610	3.940	0.238
LLPX310R-V1 w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	138.000	No Ice 1/2" Ice 1" Ice	3.880 4.290 4.720	2.360 2.730 3.120	0.057 0.091 0.133
						2" Ice	5.610	3.940	0.238
FDD_R6_RRH	A	From Leg	4.000 0.000 2.000	0.000	138.000	No Ice 1/2" Ice 1" Ice	1.533 1.690 1.854	0.684 0.800 0.923	0.033 0.045 0.058
						2" Ice	2.204	1.193	0.094
FDD_R6_RRH	B	From Leg	4.000 0.000 2.000	0.000	138.000	No Ice 1/2" Ice 1" Ice	1.533 1.690 1.854	0.684 0.800 0.923	0.033 0.045 0.058
						2" Ice	2.204	1.193	0.094
FDD_R6_RRH	C	From Leg	4.000 0.000 2.000	0.000	138.000	No Ice 1/2" Ice 1" Ice	1.533 1.690 1.854	0.684 0.800 0.923	0.033 0.045 0.058
						2" Ice	2.204	1.193	0.094
Platform Mount [LP 303-1_HR-1]	C	None		0.000	138.000	No Ice 1/2" Ice 1" Ice	17.090 21.470 25.720	17.090 21.470 25.720	1.495 1.881 2.346
						2" Ice	33.960	33.960	3.518
*									
(3) ACU-A20-N	A	From Leg	1.000 0.000 0.000	0.000	136.000	No Ice 1/2" Ice 1" Ice	0.067 0.104 0.148	0.117 0.162 0.215	0.001 0.002 0.004
						2" Ice	0.259	0.343	0.012
(3) ACU-A20-N	B	From Leg	1.000 0.000 0.000	0.000	136.000	No Ice 1/2" Ice 1" Ice	0.067 0.104 0.148	0.117 0.162 0.215	0.001 0.002 0.004
						2" Ice	0.259	0.343	0.012
(3) ACU-A20-N	C	From Leg	1.000 0.000 0.000	0.000	136.000	No Ice 1/2" Ice 1" Ice	0.067 0.104 0.148	0.117 0.162 0.215	0.001 0.002 0.004
						2" Ice	0.259	0.343	0.012
800 EXTERNAL NOTCH FILTER	A	From Leg	1.000 0.000 0.000	0.000	136.000	No Ice 1/2" Ice 1" Ice	0.660 0.763 0.873	0.289 0.364 0.446	0.011 0.017 0.024
						2" Ice	1.115	0.633	0.044
800 EXTERNAL NOTCH FILTER	B	From Leg	1.000 0.000 0.000	0.000	136.000	No Ice 1/2" Ice 1" Ice	0.660 0.763 0.873	0.289 0.364 0.446	0.011 0.017 0.024
						2" Ice	1.115	0.633	0.044
800 EXTERNAL NOTCH FILTER	C	From Leg	1.000 0.000 0.000	0.000	136.000	No Ice 1/2" Ice 1" Ice	0.660 0.763 0.873	0.289 0.364 0.446	0.011 0.017 0.024
						2" Ice	1.115	0.633	0.044
(2) 1900MHZ RRH (65MHZ)	A	From Leg	1.000 0.000 0.000	0.000	136.000	No Ice 1/2" Ice 1" Ice	2.322 2.527 2.739	2.385 2.591 2.805	0.060 0.084 0.111
						2" Ice	3.185	3.255	0.176
(2) 1900MHZ RRH (65MHZ)	B	From Leg	1.000 0.000 0.000	0.000	136.000	No Ice 1/2" Ice 1" Ice	2.322 2.527 2.739	2.385 2.591 2.805	0.060 0.084 0.111
						2" Ice	3.185	3.255	0.176
(2) 1900MHZ RRH (65MHZ)	C	From Leg	1.000 0.000	0.000	136.000	No Ice 1/2" Ice	2.322 2.527	2.385 2.591	0.060 0.084

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000			1" Ice	2.739	2.805	0.111
						2" Ice	3.185	3.255	0.176
RRH2X50-800	A	From Leg	1.000	0.000	136.000	No Ice	1.701	1.282	0.053
			0.000			1/2" Ice	1.864	1.428	0.070
			0.000			1" Ice	2.035	1.580	0.090
						2" Ice	2.398	1.908	0.138
RRH2X50-800	B	From Leg	1.000	0.000	136.000	No Ice	1.701	1.282	0.053
			0.000			1/2" Ice	1.864	1.428	0.070
			0.000			1" Ice	2.035	1.580	0.090
						2" Ice	2.398	1.908	0.138
RRH2X50-800	C	From Leg	1.000	0.000	136.000	No Ice	1.701	1.282	0.053
			0.000			1/2" Ice	1.864	1.428	0.070
			0.000			1" Ice	2.035	1.580	0.090
						2" Ice	2.398	1.908	0.138
5' x 2" Pipe Mount	A	From Leg	0.500	0.000	136.000	No Ice	1.188	1.188	0.018
			0.000			1/2" Ice	1.496	1.496	0.027
			0.000			1" Ice	1.807	1.807	0.040
						2" Ice	2.458	2.458	0.076
5' x 2" Pipe Mount	B	From Leg	0.500	0.000	136.000	No Ice	1.188	1.188	0.018
			0.000			1/2" Ice	1.496	1.496	0.027
			0.000			1" Ice	1.807	1.807	0.040
						2" Ice	2.458	2.458	0.076
5' x 2" Pipe Mount	C	From Leg	0.500	0.000	136.000	No Ice	1.188	1.188	0.018
			0.000			1/2" Ice	1.496	1.496	0.027
			0.000			1" Ice	1.807	1.807	0.040
						2" Ice	2.458	2.458	0.076
Pipe Mount [PM 602-3]	C	None		0.000	136.000	No Ice	6.670	6.670	0.279
						1/2" Ice	7.700	7.700	0.344
						1" Ice	8.740	8.740	0.423
						2" Ice	10.900	10.900	0.628
Side Arm Mount [SO 102-3]	C	None		0.000	136.000	No Ice	3.600	3.600	0.075
						1/2" Ice	4.180	4.180	0.105
						1" Ice	4.750	4.750	0.135
						2" Ice	5.900	5.900	0.195
*									
BXA-80063/4CF w/ Mount Pipe	A	From Leg	4.000	0.000	120.000	No Ice	4.830	3.650	0.028
			0.000			1/2" Ice	5.350	4.140	0.065
			0.000			1" Ice	5.880	4.640	0.109
						2" Ice	6.980	5.700	0.222
BXA-80063/4CF w/ Mount Pipe	B	From Leg	4.000	0.000	120.000	No Ice	4.830	3.650	0.028
			0.000			1/2" Ice	5.350	4.140	0.065
			0.000			1" Ice	5.880	4.640	0.109
						2" Ice	6.980	5.700	0.222
BXA-80063/6CF w/ Mount Pipe	C	From Leg	4.000	0.000	120.000	No Ice	7.340	5.510	0.058
			0.000			1/2" Ice	8.080	6.220	0.115
			0.000			1" Ice	8.830	6.940	0.183
						2" Ice	10.380	8.440	0.351
GPS_A	B	From Leg	4.000	0.000	120.000	No Ice	0.255	0.255	0.001
			0.000			1/2" Ice	0.320	0.320	0.005
			4.000			1" Ice	0.393	0.393	0.010
						2" Ice	0.561	0.561	0.025
(2) JAHH-65B-R3B w/ Mount Pipe	A	From Leg	4.000	0.000	120.000	No Ice	5.500	4.380	0.096
			0.000			1/2" Ice	5.970	4.840	0.169
			0.000			1" Ice	6.450	5.300	0.254
						2" Ice	7.440	6.260	0.457
(2) JAHH-65B-R3B w/ Mount Pipe	B	From Leg	4.000	0.000	120.000	No Ice	5.500	4.380	0.096
			0.000			1/2" Ice	5.970	4.840	0.169

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000			1" Ice	6.450	5.300	0.254
						2" Ice	7.440	6.260	0.457
(2) JAHH-65B-R3B w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	5.500 5.970 6.450	4.380 4.840 5.300	0.096 0.169 0.254
						2" Ice	7.440	6.260	0.457
Sub6 Antenna - VZS01 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	4.915 5.264 5.623	2.687 3.151 3.631	0.101 0.141 0.186
						2" Ice	6.371	4.639	0.294
Sub6 Antenna - VZS01 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	4.915 5.264 5.623	2.687 3.151 3.631	0.101 0.141 0.186
						2" Ice	6.371	4.639	0.294
Sub6 Antenna - VZS01 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	4.915 5.264 5.623	2.687 3.151 3.631	0.101 0.141 0.186
						2" Ice	6.371	4.639	0.294
CBC78T-DS-43-2X	A	From Leg	4.000 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	0.368 0.446 0.531	0.512 0.605 0.705	0.021 0.027 0.035
						2" Ice	0.723	0.927	0.057
CBC78T-DS-43-2X	B	From Leg	4.000 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	0.368 0.446 0.531	0.512 0.605 0.705	0.021 0.027 0.035
						2" Ice	0.723	0.927	0.057
CBC78T-DS-43-2X	C	From Leg	4.000 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	0.368 0.446 0.531	0.512 0.605 0.705	0.021 0.027 0.035
						2" Ice	0.723	0.927	0.057
RVZDC-6627-PF-48	A	From Leg	4.000 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	3.792 4.044 4.303	2.514 2.727 2.947	0.032 0.063 0.099
						2" Ice	4.844	3.417	0.181
RFV01U-D1A	A	From Leg	4.000 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.250 1.393 1.543	0.084 0.103 0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D1A	B	From Leg	4.000 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.250 1.393 1.543	0.084 0.103 0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D1A	C	From Leg	4.000 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.250 1.393 1.543	0.084 0.103 0.124
						2" Ice	2.601	1.865	0.175
RFV01U-D2A	A	From Leg	4.000 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.013 1.145 1.284	0.070 0.087 0.106
						2" Ice	2.601	1.585	0.153
RFV01U-D2A	B	From Leg	4.000 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.013 1.145 1.284	0.070 0.087 0.106
						2" Ice	2.601	1.585	0.153
RFV01U-D2A	C	From Leg	4.000 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.013 1.145 1.284	0.070 0.087 0.106

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice	2.601	1.585	0.153
6' x 2" Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
6' x 2" Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	120.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
6' x 2" Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	120.000	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
Side Arm Mount [SO 102-3]	C	None		0.000	120.000	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
Platform Mount [LP 1201-1]	C	None		0.000	120.000	No Ice 1/2" Ice 1" Ice 2" Ice	18.380 22.110 25.870 33.470	18.380 22.110 25.870 33.470	2.100 2.652 3.263 4.662
*									
KS24019-L112A	B	From Leg	3.000 0.000 0.000	0.000	90.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.141 0.198 0.262 0.415	0.141 0.198 0.262 0.415	0.005 0.007 0.009 0.018
Side Arm Mount [SO 701-1]	B	From Leg	1.500 0.000 0.000	0.000	90.000	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
*									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
VHLP2-11	A	Paraboloid w/Shroud (HP)	From Leg	4.000 0.000 -4.000	50.000		138.000	2.175	No Ice 1/2" Ice 1" Ice 2" Ice	3.715 4.006 4.296 4.876	0.027 0.048 0.068 0.109
VHLP2-11	A	Paraboloid w/Shroud (HP)	From Leg	4.000 0.000 2.000	50.000		138.000	2.175	No Ice 1/2" Ice 1" Ice 2" Ice	3.715 4.006 4.296 4.876	0.027 0.048 0.068 0.109
VHLP2-11	C	Paraboloid w/Shroud (HP)	From Leg	4.000 0.000 -4.000	40.000		138.000	2.175	No Ice 1/2" Ice 1" Ice 2" Ice	3.715 4.006 4.296 4.876	0.027 0.048 0.068 0.109

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft	Aperture Area ft^2	Weight K
*										

Load Combinations

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

Comb. No.	Description
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	148 - 143	Pole	Max Tension	20	0.000	-0.000	-0.001
			Max. Compression	26	-10.080	0.063	0.060
			Max. Mx	20	-4.427	13.717	0.002
			Max. My	2	-4.430	0.012	13.702
			Max. Vy	20	-4.616	13.717	0.002
			Max. Vx	14	4.614	0.043	-13.678
			Max. Torque	20			-0.000
L2	143 - 138	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-10.920	0.177	0.616
			Max. Mx	20	-4.831	37.920	-0.093
			Max. My	2	-4.838	-0.149	37.978
			Max. Vy	20	-5.088	37.920	-0.093
			Max. Vx	14	5.073	0.266	-37.638
			Max. Torque	20			-0.847
L3	138 - 133	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-21.860	0.711	0.958
			Max. Mx	20	-9.326	90.254	-0.561
			Max. My	2	-9.345	-0.492	89.968
			Max. Vy	20	-10.517	90.254	-0.561
			Max. Vx	14	10.429	0.993	-89.558
			Max. Torque	14			-1.550
L4	133 - 128	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-22.729	0.847	1.071
			Max. Mx	20	-9.836	143.771	-1.360
			Max. My	2	-9.855	-1.025	142.844
			Max. Vy	20	-10.881	143.771	-1.360
			Max. Vx	14	10.798	1.987	-142.592
			Max. Torque	14			-1.550
L5	128 - 123	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-23.616	0.985	1.185
			Max. Mx	20	-10.367	199.105	-2.160
			Max. My	2	-10.386	-1.560	197.554
			Max. Vy	20	-11.245	199.105	-2.160
			Max. Vx	14	11.164	2.983	-197.459
			Max. Torque	14			-1.550
L6	123 - 118	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-34.028	1.519	1.725
			Max. Mx	20	-15.153	263.946	-2.910
			Max. My	2	-15.170	-1.990	261.784
			Max. Vy	20	-15.359	263.946	-2.910
			Max. Vx	14	15.307	4.140	-261.641
			Max. Torque	16			-1.815
L7	118 - 113	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-35.024	1.673	1.853
			Max. Mx	20	-15.810	341.630	-3.779
			Max. My	14	-15.820	5.216	-339.007
			Max. Vy	20	-15.711	341.630	-3.779
			Max. Vx	14	15.660	5.216	-339.007
			Max. Torque	16			-1.815
L8	113 - 108	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-36.039	1.828	1.982
			Max. Mx	20	-16.491	421.057	-4.648

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	14	-16.501	6.289	-418.116
			Max. Vy	20	-16.058	421.057	-4.648
			Max. Vx	14	16.006	6.289	-418.116
			Max. Torque	16			-1.814
L9	108 - 103	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.073	1.982	2.109
			Max. Mx	20	-17.196	502.197	-5.518
			Max. My	14	-17.205	7.361	-498.937
			Max. Vy	20	-16.398	502.197	-5.518
			Max. Vx	14	16.347	7.361	-498.937
			Max. Torque	16			-1.813
L10	103 - 98	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-38.125	2.137	2.236
			Max. Mx	20	-17.923	585.017	-6.386
			Max. My	14	-17.932	8.429	-581.437
			Max. Vy	20	-16.732	585.017	-6.386
			Max. Vx	14	16.680	8.429	-581.437
			Max. Torque	16			-1.812
L11	98 - 90.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-38.821	2.238	2.318
			Max. Mx	20	-18.408	639.733	-6.950
			Max. My	14	-18.416	9.122	-635.946
			Max. Vy	20	-16.944	639.733	-6.950
			Max. Vx	14	16.893	9.122	-635.946
			Max. Torque	16			-1.811
L12	90.75 - 89.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-40.788	2.054	2.249
			Max. Mx	20	-19.733	725.296	-7.935
			Max. My	14	-19.740	9.992	-721.527
			Max. Vy	20	-17.402	725.296	-7.935
			Max. Vx	14	17.367	9.992	-721.527
			Max. Torque	16			-1.810
L13	89.75 - 84.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-42.014	2.211	2.375
			Max. Mx	20	-20.626	813.148	-8.869
			Max. My	14	-20.633	11.126	-809.136
			Max. Vy	20	-17.742	813.148	-8.869
			Max. Vx	14	17.706	11.126	-809.136
			Max. Torque	14			-1.620
L14	84.75 - 79.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-43.268	2.368	2.502
			Max. Mx	20	-21.545	902.689	-9.801
			Max. My	14	-21.551	12.257	-898.432
			Max. Vy	20	-18.079	902.689	-9.801
			Max. Vx	14	18.044	12.257	-898.432
			Max. Torque	14			-1.619
L15	79.75 - 74.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-44.581	2.526	2.628
			Max. Mx	20	-22.489	993.906	-10.730
			Max. My	14	-22.494	13.385	-989.402
			Max. Vy	20	-18.412	993.906	-10.730
			Max. Vx	14	18.377	13.385	-989.402
			Max. Torque	14			-1.619
L16	74.75 - 74.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-44.652	2.538	2.639
			Max. Mx	20	-22.543	998.511	-10.775
			Max. My	14	-22.549	13.441	-993.995
			Max. Vy	20	-18.430	998.511	-10.775
			Max. Vx	14	18.387	13.441	-993.995
			Max. Torque	14			-1.618
L17	74.5 - 74.25	Pole	Max Tension	1	0.000	0.000	0.000

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Compression	26	-44.723	2.546	2.645
			Max. Mx	20	-22.591	1003.120	-10.822
			Max. My	14	-22.597	13.498	-998.591
			Max. Vy	20	-18.446	1003.120	-10.822
			Max. Vx	14	18.403	13.498	-998.591
			Max. Torque	14			-1.618
L18	74.25 - 69.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-46.163	2.702	2.768
			Max. Mx	20	-23.555	1096.158	-11.748
			Max. My	14	-23.560	14.622	-1091.384
			Max. Vy	20	-18.775	1096.158	-11.748
			Max. Vx	14	18.741	14.622	-1091.384
			Max. Torque	14			-1.618
L19	69.25 - 64.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-47.628	2.862	2.895
			Max. Mx	20	-24.550	1190.833	-12.669
			Max. My	14	-24.555	15.743	-1185.811
			Max. Vy	20	-19.100	1190.833	-12.669
			Max. Vx	14	19.066	15.743	-1185.811
			Max. Torque	14			-1.617
L20	64.25 - 59.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-49.118	3.023	3.021
			Max. Mx	20	-25.569	1287.118	-13.586
			Max. My	14	-25.573	16.859	-1281.848
			Max. Vy	20	-19.420	1287.118	-13.586
			Max. Vx	14	19.386	16.859	-1281.848
			Max. Torque	14			-1.616
L21	59.25 - 54.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-50.632	3.185	3.148
			Max. Mx	20	-26.612	1384.984	-14.499
			Max. My	14	-26.616	17.971	-1379.466
			Max. Vy	20	-19.733	1384.984	-14.499
			Max. Vx	14	19.699	17.971	-1379.466
			Max. Torque	14			-1.615
L22	54.25 - 44.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-51.924	3.323	3.255
			Max. Mx	20	-27.516	1469.379	-15.271
			Max. My	14	-27.520	18.913	-1463.649
			Max. Vy	20	-19.989	1469.379	-15.271
			Max. Vx	14	19.956	18.913	-1463.649
			Max. Torque	14			-1.615
L23	44.75 - 43.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-55.226	3.502	3.391
			Max. Mx	20	-29.863	1595.863	-16.402
			Max. My	14	-29.866	20.296	-1589.821
			Max. Vy	20	-20.474	1595.863	-16.402
			Max. Vx	14	20.441	20.296	-1589.821
			Max. Torque	14			-1.614
L24	43.75 - 38.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-56.836	3.646	3.500
			Max. Mx	20	-31.118	1698.973	-17.304
			Max. My	14	-31.121	21.399	-1692.681
			Max. Vy	20	-20.774	1698.973	-17.304
			Max. Vx	14	20.741	21.399	-1692.681
			Max. Torque	14			-1.614
L25	38.75 - 33.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-58.475	3.793	3.610
			Max. Mx	20	-32.400	1803.554	-18.201
			Max. My	14	-32.403	22.497	-1797.011
			Max. Vy	20	-21.062	1803.554	-18.201
			Max. Vx	14	21.030	22.497	-1797.011

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	14			-1.613
L26	33.75 - 28.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-60.139	3.940	3.720
			Max. Mx	20	-33.709	1909.541	-19.093
			Max. My	14	-33.712	23.590	-1902.747
			Max. Vy	20	-21.337	1909.541	-19.093
			Max. Vx	14	21.305	23.590	-1902.747
			Max. Torque	14			-1.613
L27	28.75 - 23.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-61.829	4.089	3.832
			Max. Mx	20	-35.045	2016.893	-19.979
			Max. My	14	-35.047	24.677	-2009.847
			Max. Vy	20	-21.608	2016.893	-19.979
			Max. Vx	14	21.576	24.677	-2009.847
			Max. Torque	14			-1.613
L28	23.75 - 18.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-63.543	4.238	3.943
			Max. Mx	20	-36.408	2125.606	-20.859
			Max. My	14	-36.409	25.759	-2118.309
			Max. Vy	20	-21.881	2125.606	-20.859
			Max. Vx	14	21.850	25.759	-2118.309
			Max. Torque	14			-1.612
L29	18.75 - 13.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-65.277	4.388	4.054
			Max. Mx	20	-37.797	2235.690	-21.733
			Max. My	14	-37.798	26.834	-2228.141
			Max. Vy	20	-22.156	2235.690	-21.733
			Max. Vx	14	22.125	26.834	-2228.141
			Max. Torque	14			-1.612
L30	13.75 - 8.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-67.027	4.536	4.163
			Max. Mx	20	-39.212	2347.153	-22.600
			Max. My	14	-39.213	27.903	-2339.353
			Max. Vy	20	-22.433	2347.153	-22.600
			Max. Vx	14	22.403	27.903	-2339.353
			Max. Torque	14			-1.612
L31	8.75 - 3.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-68.784	4.680	4.269
			Max. Mx	20	-40.654	2460.005	-23.460
			Max. My	14	-40.654	28.965	-2451.952
			Max. Vy	20	-22.711	2460.005	-23.460
			Max. Vx	14	22.681	28.965	-2451.952
			Max. Torque	14			-1.612
L32	3.75 - 0	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-70.087	4.782	4.341
			Max. Mx	20	-41.750	2545.559	-24.101
			Max. My	14	-41.750	29.757	-2537.318
			Max. Vy	20	-22.925	2545.559	-24.101
			Max. Vx	14	22.895	29.757	-2537.318
			Max. Torque	14			-1.612

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	36	70.087	5.852	-0.037

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
	Max. H_x	20	41.760	22.907	-0.178
	Max. H_z	3	31.320	-0.131	22.838
	Max. M_x	2	2533.888	-0.131	22.838
	Max. M_z	8	2538.908	-22.883	0.138
	Max. Torsion	2	1.318	-0.131	22.838
	Min. Vert	5	31.320	-11.549	19.750
	Min. H_x	9	31.320	-22.883	0.138
	Min. H_z	14	41.760	0.198	-22.877
	Min. M_x	14	-2537.318	0.198	-22.877
	Min. M_z	20	-2545.559	22.907	-0.178
	Min. Torsion	14	-1.612	0.198	-22.877

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	34.800	-0.000	-0.000	-0.905	1.224	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	41.760	0.131	-22.838	-2533.888	-16.883	-1.318
0.9 Dead+1.0 Wind 0 deg - No Ice	31.320	0.131	-22.838	-2493.112	-16.972	-1.310
1.2 Dead+1.0 Wind 30 deg - No Ice	41.760	11.549	-19.750	-2190.174	-1283.529	-1.114
0.9 Dead+1.0 Wind 30 deg - No Ice	31.320	11.549	-19.750	-2154.904	-1263.377	-1.103
1.2 Dead+1.0 Wind 60 deg - No Ice	41.760	19.869	-11.440	-1269.958	-2205.579	-1.082
0.9 Dead+1.0 Wind 60 deg - No Ice	31.320	19.869	-11.440	-1249.384	-2170.699	-1.070
1.2 Dead+1.0 Wind 90 deg - No Ice	41.760	22.883	-0.138	-20.512	-2538.908	-0.996
0.9 Dead+1.0 Wind 90 deg - No Ice	31.320	22.883	-0.138	-19.873	-2498.706	-0.987
1.2 Dead+1.0 Wind 120 deg - No Ice	41.760	19.826	11.290	1247.050	-2200.145	-0.649
0.9 Dead+1.0 Wind 120 deg - No Ice	31.320	19.826	11.290	1227.437	-2165.352	-0.645
1.2 Dead+1.0 Wind 150 deg - No Ice	41.760	11.495	19.880	2202.671	-1274.226	0.400
0.9 Dead+1.0 Wind 150 deg - No Ice	31.320	11.495	19.880	2167.793	-1254.253	0.398
1.2 Dead+1.0 Wind 180 deg - No Ice	41.760	-0.198	22.877	2537.318	29.757	1.612
0.9 Dead+1.0 Wind 180 deg - No Ice	31.320	-0.198	22.877	2497.061	28.859	1.605
1.2 Dead+1.0 Wind 210 deg - No Ice	41.760	-11.591	19.826	2198.814	1292.924	1.603
0.9 Dead+1.0 Wind 210 deg - No Ice	31.320	-11.591	19.826	2163.966	1271.845	1.592
1.2 Dead+1.0 Wind 240 deg - No Ice	41.760	-19.898	11.492	1275.322	2212.976	1.489
0.9 Dead+1.0 Wind 240 deg - No Ice	31.320	-19.898	11.492	1255.223	2177.200	1.477
1.2 Dead+1.0 Wind 270 deg - No Ice	41.760	-22.907	0.178	24.101	2545.559	1.388
0.9 Dead+1.0 Wind 270 deg -	31.320	-22.907	0.178	23.966	2504.474	1.379

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
No Ice 1.2 Dead+1.0 Wind 300 deg - No Ice	41.760	-19.804	-11.238	-1241.760	2200.346	0.826
0.9 Dead+1.0 Wind 300 deg - No Ice	31.320	-19.804	-11.238	-1221.669	2164.774	0.822
1.2 Dead+1.0 Wind 330 deg - No Ice	41.760	-11.447	-19.894	-2207.091	1270.364	-0.369
0.9 Dead+1.0 Wind 330 deg - No Ice	31.320	-11.447	-19.894	-2171.557	1249.691	-0.366
1.2 Dead+1.0 Ice+1.0 Temp	70.087	-0.000	-0.000	-4.341	4.782	0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	70.087	0.028	-5.835	-676.048	0.811	-0.254
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	70.087	2.946	-5.053	-585.928	-335.339	-0.217
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	70.087	5.075	-2.926	-341.326	-580.278	-0.216
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	70.087	5.847	-0.029	-8.727	-668.982	-0.205
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	70.087	5.064	2.893	327.753	-578.944	-0.139
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	70.087	2.913	5.044	575.834	-330.659	0.069
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	70.087	-0.041	5.843	668.378	11.052	0.314
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	70.087	-2.955	5.068	579.363	346.471	0.316
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	70.087	-5.081	2.936	334.059	590.986	0.298
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	70.087	-5.852	0.037	1.081	679.528	0.282
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	70.087	-5.060	-2.883	-335.035	588.112	0.173
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	70.087	-2.904	-5.047	-585.171	338.972	-0.063
Dead+Wind 0 deg - Service	34.800	0.028	-4.956	-545.540	-2.667	-0.288
Dead+Wind 30 deg - Service	34.800	2.506	-4.286	-471.642	-275.020	-0.243
Dead+Wind 60 deg - Service	34.800	4.312	-2.482	-273.782	-473.284	-0.236
Dead+Wind 90 deg - Service	34.800	4.966	-0.030	-5.122	-544.955	-0.218
Dead+Wind 120 deg - Service	34.800	4.302	2.450	267.425	-472.108	-0.143
Dead+Wind 150 deg - Service	34.800	2.494	4.314	472.909	-273.026	0.088
Dead+Wind 180 deg - Service	34.800	-0.043	4.964	544.858	7.355	0.354
Dead+Wind 210 deg - Service	34.800	-2.515	4.302	472.080	278.964	0.352
Dead+Wind 240 deg - Service	34.800	-4.318	2.494	273.508	476.797	0.326
Dead+Wind 270 deg - Service	34.800	-4.971	0.039	4.463	548.303	0.303
Dead+Wind 300 deg - Service	34.800	-4.298	-2.439	-267.714	474.060	0.180
Dead+Wind 330 deg - Service	34.800	-2.484	-4.317	-475.281	274.112	-0.081

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX	PY	PZ	PX	PY	PZ	% Error
	K	K	K	K	K	K	
1	0.000	-34.800	0.000	0.000	34.800	0.000	0.000%
2	0.131	-41.760	-22.838	-0.131	41.760	22.838	0.000%
3	0.131	-31.320	-22.838	-0.131	31.320	22.838	0.000%
4	11.549	-41.760	-19.750	-11.549	41.760	19.750	0.000%
5	11.549	-31.320	-19.750	-11.549	31.320	19.750	0.000%
6	19.869	-41.760	-11.440	-19.869	41.760	11.440	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
7	19.869	-31.320	-11.440	-19.869	31.320	11.440	0.000%
8	22.883	-41.760	-0.138	-22.883	41.760	0.138	0.000%
9	22.883	-31.320	-0.138	-22.883	31.320	0.138	0.000%
10	19.826	-41.760	11.290	-19.826	41.760	-11.290	0.000%
11	19.826	-31.320	11.290	-19.826	31.320	-11.290	0.000%
12	11.495	-41.760	19.880	-11.495	41.760	-19.880	0.000%
13	11.495	-31.320	19.880	-11.495	31.320	-19.880	0.000%
14	-0.198	-41.760	22.877	0.198	41.760	-22.877	0.000%
15	-0.198	-31.320	22.877	0.198	31.320	-22.877	0.000%
16	-11.591	-41.760	19.826	11.591	41.760	-19.826	0.000%
17	-11.591	-31.320	19.826	11.591	31.320	-19.826	0.000%
18	-19.898	-41.760	11.492	19.898	41.760	-11.492	0.000%
19	-19.898	-31.320	11.492	19.898	31.320	-11.492	0.000%
20	-22.907	-41.760	0.178	22.907	41.760	-0.178	0.000%
21	-22.907	-31.320	0.178	22.907	31.320	-0.178	0.000%
22	-19.804	-41.760	-11.238	19.804	41.760	11.238	0.000%
23	-19.804	-31.320	-11.238	19.804	31.320	11.238	0.000%
24	-11.447	-41.760	-19.894	11.447	41.760	19.894	0.000%
25	-11.447	-31.320	-19.894	11.447	31.320	19.894	0.000%
26	0.000	-70.087	0.000	0.000	70.087	0.000	0.000%
27	0.028	-70.087	-5.835	-0.028	70.087	5.835	0.000%
28	2.946	-70.087	-5.053	-2.946	70.087	5.053	0.000%
29	5.075	-70.087	-2.926	-5.075	70.087	2.926	0.000%
30	5.847	-70.087	-0.029	-5.847	70.087	0.029	0.000%
31	5.064	-70.087	2.893	-5.064	70.087	-2.893	0.000%
32	2.913	-70.087	5.044	-2.913	70.087	-5.044	0.000%
33	-0.041	-70.087	5.843	0.041	70.087	-5.843	0.000%
34	-2.955	-70.087	5.068	2.955	70.087	-5.068	0.000%
35	-5.081	-70.087	2.936	5.081	70.087	-2.936	0.000%
36	-5.852	-70.087	0.037	5.852	70.087	-0.037	0.000%
37	-5.060	-70.087	-2.883	5.060	70.087	2.883	0.000%
38	-2.904	-70.087	-5.047	2.904	70.087	5.047	0.000%
39	0.028	-34.800	-4.956	-0.028	34.800	4.956	0.000%
40	2.506	-34.800	-4.286	-2.506	34.800	4.286	0.000%
41	4.312	-34.800	-2.482	-4.312	34.800	2.482	0.000%
42	4.966	-34.800	-0.030	-4.966	34.800	0.030	0.000%
43	4.302	-34.800	2.450	-4.302	34.800	-2.450	0.000%
44	2.494	-34.800	4.314	-2.494	34.800	-4.314	0.000%
45	-0.043	-34.800	4.964	0.043	34.800	-4.964	0.000%
46	-2.515	-34.800	4.302	2.515	34.800	-4.302	0.000%
47	-4.318	-34.800	2.494	4.318	34.800	-2.494	0.000%
48	-4.971	-34.800	0.039	4.971	34.800	-0.039	0.000%
49	-4.298	-34.800	-2.439	4.298	34.800	2.439	0.000%
50	-2.484	-34.800	-4.317	2.484	34.800	4.317	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000334
2	Yes	6	0.00000001	0.00007898
3	Yes	5	0.00000001	0.00048382
4	Yes	7	0.00000001	0.00017374
5	Yes	6	0.00000001	0.00077842
6	Yes	7	0.00000001	0.00018139
7	Yes	6	0.00000001	0.00081374

8	Yes	6	0.00000001	0.00013810
9	Yes	5	0.00000001	0.00084717
10	Yes	7	0.00000001	0.00017155
11	Yes	6	0.00000001	0.00076938
12	Yes	7	0.00000001	0.00017569
13	Yes	6	0.00000001	0.00078752
14	Yes	6	0.00000001	0.00021097
15	Yes	6	0.00000001	0.00007459
16	Yes	7	0.00000001	0.00018547
17	Yes	6	0.00000001	0.00083223
18	Yes	7	0.00000001	0.00017348
19	Yes	6	0.00000001	0.00077641
20	Yes	5	0.00000001	0.00088690
21	Yes	5	0.00000001	0.00041896
22	Yes	7	0.00000001	0.00017657
23	Yes	6	0.00000001	0.00079243
24	Yes	7	0.00000001	0.00017860
25	Yes	6	0.00000001	0.00080034
26	Yes	4	0.00000001	0.00075434
27	Yes	7	0.00000001	0.00025920
28	Yes	7	0.00000001	0.00032780
29	Yes	7	0.00000001	0.00033033
30	Yes	7	0.00000001	0.00025562
31	Yes	7	0.00000001	0.00031896
32	Yes	7	0.00000001	0.00031918
33	Yes	7	0.00000001	0.00025533
34	Yes	7	0.00000001	0.00033290
35	Yes	7	0.00000001	0.00032905
36	Yes	7	0.00000001	0.00026060
37	Yes	7	0.00000001	0.00033171
38	Yes	7	0.00000001	0.00033179
39	Yes	5	0.00000001	0.00009914
40	Yes	5	0.00000001	0.00035496
41	Yes	5	0.00000001	0.00039825
42	Yes	5	0.00000001	0.00009607
43	Yes	5	0.00000001	0.00034919
44	Yes	5	0.00000001	0.00036265
45	Yes	5	0.00000001	0.00011868
46	Yes	5	0.00000001	0.00041798
47	Yes	5	0.00000001	0.00035321
48	Yes	5	0.00000001	0.00010016
49	Yes	5	0.00000001	0.00038369
50	Yes	5	0.00000001	0.00038382

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	148 - 143	22.216	47	1.307	0.004
L2	143 - 138	20.848	47	1.306	0.004
L3	138 - 133	19.483	47	1.300	0.004
L4	133 - 128	18.128	47	1.286	0.004
L5	128 - 123	16.793	47	1.263	0.004
L6	123 - 118	15.485	47	1.233	0.003
L7	118 - 113	14.212	47	1.197	0.003
L8	113 - 108	12.982	47	1.152	0.003
L9	108 - 103	11.802	47	1.101	0.002
L10	103 - 98	10.678	47	1.045	0.002
L11	98 - 90.75	9.615	47	0.984	0.002

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L12	94.75 - 89.75	8.960	47	0.942	0.002
L13	89.75 - 84.75	7.990	47	0.906	0.001
L14	84.75 - 79.75	7.071	47	0.849	0.001
L15	79.75 - 74.75	6.212	47	0.791	0.001
L16	74.75 - 74.5	5.415	47	0.732	0.001
L17	74.5 - 74.25	5.376	47	0.729	0.001
L18	74.25 - 69.25	5.338	47	0.726	0.001
L19	69.25 - 64.25	4.608	47	0.668	0.001
L20	64.25 - 59.25	3.940	47	0.609	0.001
L21	59.25 - 54.25	3.333	47	0.550	0.001
L22	54.25 - 44.75	2.787	47	0.492	0.001
L23	50 - 43.75	2.370	47	0.443	0.000
L24	43.75 - 38.75	1.812	47	0.405	0.000
L25	38.75 - 33.75	1.413	47	0.356	0.000
L26	33.75 - 28.75	1.066	47	0.308	0.000
L27	28.75 - 23.75	0.769	47	0.260	0.000
L28	23.75 - 18.75	0.522	47	0.213	0.000
L29	18.75 - 13.75	0.323	47	0.166	0.000
L30	13.75 - 8.75	0.173	47	0.121	0.000
L31	8.75 - 3.75	0.070	47	0.076	0.000
L32	3.75 - 0	0.013	47	0.032	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
146.000	AIR -32 B2A/B66AA w/ Mount Pipe	47	21.668	1.307	0.004	87265
140.000	VHLP2-11	47	20.028	1.303	0.004	42241
138.000	DT465B-2XR w/ Mount Pipe	47	19.483	1.300	0.004	29297
136.000	(3) ACU-A20-N	47	18.939	1.296	0.004	21765
134.000	VHLP2-11	47	18.398	1.290	0.004	17139
120.000	BXA-80063/4CF w/ Mount Pipe	47	14.717	1.212	0.003	7624
90.000	KS24019-L112A	47	8.037	0.908	0.001	5957

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	148 - 143	103.319	18	6.093	0.019
L2	143 - 138	96.960	18	6.088	0.019
L3	138 - 133	90.618	18	6.061	0.019
L4	133 - 128	84.322	18	5.995	0.018
L5	128 - 123	78.116	18	5.889	0.016
L6	123 - 118	72.037	18	5.749	0.015
L7	118 - 113	66.121	18	5.577	0.013
L8	113 - 108	60.401	18	5.371	0.011
L9	108 - 103	54.911	18	5.134	0.010
L10	103 - 98	49.683	18	4.870	0.009
L11	98 - 90.75	44.740	18	4.585	0.008

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L12	94.75 - 89.75	41.691	18	4.390	0.007
L13	89.75 - 84.75	37.177	18	4.223	0.006
L14	84.75 - 79.75	32.900	18	3.956	0.006
L15	79.75 - 74.75	28.905	18	3.685	0.005
L16	74.75 - 74.5	25.193	18	3.411	0.004
L17	74.5 - 74.25	25.015	18	3.398	0.004
L18	74.25 - 69.25	24.838	18	3.384	0.004
L19	69.25 - 64.25	21.441	18	3.110	0.004
L20	64.25 - 59.25	18.330	18	2.836	0.003
L21	59.25 - 54.25	15.505	18	2.563	0.003
L22	54.25 - 44.75	12.964	18	2.292	0.003
L23	50 - 43.75	11.026	18	2.064	0.002
L24	43.75 - 38.75	8.429	18	1.887	0.002
L25	38.75 - 33.75	6.574	18	1.657	0.002
L26	33.75 - 28.75	4.957	18	1.431	0.001
L27	28.75 - 23.75	3.576	18	1.208	0.001
L28	23.75 - 18.75	2.426	18	0.989	0.001
L29	18.75 - 13.75	1.503	18	0.774	0.001
L30	13.75 - 8.75	0.803	18	0.562	0.000
L31	8.75 - 3.75	0.323	18	0.355	0.000
L32	3.75 - 0	0.059	18	0.151	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
146.000	AIR -32 B2A/B66AA w/ Mount Pipe	18	100.775	6.092	0.019	19204
140.000	VHLP2-11	18	93.151	6.076	0.019	9329
138.000	DT465B-2XR w/ Mount Pipe	18	90.618	6.061	0.019	6477
136.000	(3) ACU-A20-N	18	88.092	6.039	0.019	4809
134.000	VHLP2-11	18	85.576	6.012	0.018	3780
120.000	BXA-80063/4CF w/ Mount Pipe	18	68.466	5.650	0.014	1670
90.000	KS24019-L112A	18	37.398	4.233	0.006	1292

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	148 - 143 (1)	TP24x24x0.25	5.000	0.000	0.0	18.653	-4.427	753.823	0.006
L2	143 - 138 (2)	TP24x24x0.25	5.000	0.000	0.0	18.653	-4.838	753.823	0.006
L3	138 - 133 (3)	TP24.839x24x0.25	5.000	0.000	0.0	19.511	-9.318	1053.590	0.009
L4	133 - 128 (4)	TP25.677x24.839x0.25	5.000	0.000	0.0	20.176	-9.828	1089.520	0.009
L5	128 - 123 (5)	TP26.516x25.677x0.25	5.000	0.000	0.0	20.842	-10.360	1125.450	0.009
L6	123 - 118 (6)	TP27.354x26.516x0.25	5.000	0.000	0.0	21.507	-15.143	1161.380	0.013
L7	118 - 113 (7)	TP28.193x27.354x0.25	5.000	0.000	0.0	22.172	-15.800	1197.310	0.013

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L8	113 - 108 (8)	TP29.031x28.193x0.25	5.000	0.000	0.0	22.838	-16.481	1233.240	0.013
L9	108 - 103 (9)	TP29.87x29.031x0.25	5.000	0.000	0.0	23.503	-17.186	1269.170	0.014
L10	103 - 98 (10)	TP30.708x29.87x0.25	5.000	0.000	0.0	24.169	-17.914	1305.100	0.014
L11	98 - 90.75 (11)	TP31.924x30.708x0.25	7.250	0.000	0.0	24.601	-18.399	1328.460	0.014
L12	90.75 - 89.75 (12)	TP31.786x30.753x0.313	5.000	0.000	0.0	31.218	-19.723	1685.790	0.012
L13	89.75 - 84.75 (13)	TP32.82x31.786x0.313	5.000	0.000	0.0	32.243	-20.617	1741.130	0.012
L14	84.75 - 79.75 (14)	TP33.853x32.82x0.313	5.000	0.000	0.0	33.268	-21.536	1796.470	0.012
L15	79.75 - 74.75 (15)	TP34.886x33.853x0.313	5.000	0.000	0.0	34.293	-22.480	1851.820	0.012
L16	74.75 - 74.5 (16)	TP34.938x34.886x0.313	0.250	0.000	0.0	34.344	-22.535	1854.580	0.012
L17	74.5 - 74.25 (17)	TP34.99x34.938x0.313	0.250	0.000	0.0	34.395	-22.583	1857.350	0.012
L18	74.25 - 69.25 (18)	TP36.023x34.99x0.313	5.000	0.000	0.0	35.420	-23.547	1912.690	0.012
L19	69.25 - 64.25 (19)	TP37.056x36.023x0.313	5.000	0.000	0.0	36.445	-24.543	1968.040	0.012
L20	64.25 - 59.25 (20)	TP38.089x37.056x0.313	5.000	0.000	0.0	37.470	-25.563	2023.380	0.013
L21	59.25 - 54.25 (21)	TP39.123x38.089x0.313	5.000	0.000	0.0	38.495	-26.606	2078.730	0.013
L22	54.25 - 44.75 (22)	TP41.086x39.123x0.313	9.500	0.000	0.0	39.366	-27.511	2125.770	0.013
L23	44.75 - 43.75 (23)	TP40.687x39.376x0.375	6.250	0.000	0.0	47.981	-29.858	2590.960	0.012
L24	43.75 - 38.75 (24)	TP41.735x40.687x0.375	5.000	0.000	0.0	49.229	-31.114	2658.350	0.012
L25	38.75 - 33.75 (25)	TP42.783x41.735x0.375	5.000	0.000	0.0	50.477	-32.397	2725.730	0.012
L26	33.75 - 28.75 (26)	TP43.832x42.783x0.375	5.000	0.000	0.0	51.724	-33.706	2793.120	0.012
L27	28.75 - 23.75 (27)	TP44.88x43.832x0.375	5.000	0.000	0.0	52.972	-35.043	2860.500	0.012
L28	23.75 - 18.75 (28)	TP45.929x44.88x0.375	5.000	0.000	0.0	54.220	-36.406	2927.880	0.012
L29	18.75 - 13.75 (29)	TP46.977x45.929x0.375	5.000	0.000	0.0	55.468	-37.795	2995.270	0.013
L30	13.75 - 8.75 (30)	TP48.025x46.977x0.375	5.000	0.000	0.0	56.716	-39.211	3062.650	0.013
L31	8.75 - 3.75 (31)	TP49.074x48.025x0.375	5.000	0.000	0.0	57.964	-40.653	3130.040	0.013
L32	3.75 - 0 (32)	TP49.86x49.074x0.375	3.750	0.000	0.0	58.900	-41.750	3180.570	0.013

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	148 - 143 (1)	TP24x24x0.25	13.717	462.451	0.030	0.000	462.451	0.000
L2	143 - 138 (2)	TP24x24x0.25	37.979	462.451	0.082	0.000	462.451	0.000
L3	138 - 133 (3)	TP24.839x24x0.25	90.328	675.007	0.134	0.000	675.007	0.000
L4	133 - 128 (4)	TP25.677x24.839x0.25	144.045	716.977	0.201	0.000	716.977	0.000
L5	128 - 123 (5)	TP26.516x25.677x0.25	199.579	759.054	0.263	0.000	759.054	0.000
L6	123 - 118 (6)	TP27.354x26.516x0.25	264.584	801.895	0.330	0.000	801.895	0.000

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L7	118 - 113 (7)	TP28.193x27.354x0.25	342.553	845.458	0.405	0.000	845.458	0.000
L8	113 - 108 (8)	TP29.031x28.193x0.25	422.267	889.708	0.475	0.000	889.708	0.000
L9	108 - 103 (9)	TP29.87x29.031x0.25	503.693	934.608	0.539	0.000	934.608	0.000
L10	103 - 98 (10)	TP30.708x29.87x0.25	586.798	980.117	0.599	0.000	980.117	0.000
L11	98 - 90.75 (11)	TP31.924x30.708x0.25	641.698	1010.008	0.635	0.000	1010.008	0.000
L12	90.75 - 89.75 (12)	TP31.786x30.753x0.313	727.639	1376.350	0.529	0.000	1376.350	0.000
L13	89.75 - 84.75 (13)	TP32.82x31.786x0.313	815.854	1456.908	0.560	0.000	1456.908	0.000
L14	84.75 - 79.75 (14)	TP33.853x32.82x0.313	905.758	1538.933	0.589	0.000	1538.933	0.000
L15	79.75 - 74.75 (15)	TP34.886x33.853x0.313	997.333	1622.367	0.615	0.000	1622.367	0.000
L16	74.75 - 74.5 (16)	TP34.938x34.886x0.313	1001.958	1626.567	0.616	0.000	1626.567	0.000
L17	74.5 - 74.25 (17)	TP34.99x34.938x0.313	1006.583	1630.783	0.617	0.000	1630.783	0.000
L18	74.25 - 69.25 (18)	TP36.023x34.99x0.313	1099.975	1715.667	0.641	0.000	1715.667	0.000
L19	69.25 - 64.25 (19)	TP37.056x36.023x0.313	1195.008	1801.792	0.663	0.000	1801.792	0.000
L20	64.25 - 59.25 (20)	TP38.089x37.056x0.313	1291.650	1889.100	0.684	0.000	1889.100	0.000
L21	59.25 - 54.25 (21)	TP39.123x38.089x0.313	1389.867	1977.508	0.703	0.000	1977.508	0.000
L22	54.25 - 44.75 (22)	TP41.086x39.123x0.313	1474.567	2053.475	0.718	0.000	2053.475	0.000
L23	44.75 - 43.75 (23)	TP40.687x39.376x0.375	1601.483	2666.542	0.601	0.000	2666.542	0.000
L24	43.75 - 38.75 (24)	TP41.735x40.687x0.375	1704.942	2788.383	0.611	0.000	2788.383	0.000
L25	38.75 - 33.75 (25)	TP42.783x41.735x0.375	1809.875	2911.867	0.622	0.000	2911.867	0.000
L26	33.75 - 28.75 (26)	TP43.832x42.783x0.375	1916.200	3036.933	0.631	0.000	3036.933	0.000
L27	28.75 - 23.75 (27)	TP44.88x43.832x0.375	2023.900	3163.492	0.640	0.000	3163.492	0.000
L28	23.75 - 18.75 (28)	TP45.929x44.88x0.375	2132.950	3291.475	0.648	0.000	3291.475	0.000
L29	18.75 - 13.75 (29)	TP46.977x45.929x0.375	2243.375	3420.808	0.656	0.000	3420.808	0.000
L30	13.75 - 8.75 (30)	TP48.025x46.977x0.375	2355.175	3551.417	0.663	0.000	3551.417	0.000
L31	8.75 - 3.75 (31)	TP49.074x48.025x0.375	2468.350	3683.217	0.670	0.000	3683.217	0.000
L32	3.75 - 0 (32)	TP49.86x49.074x0.375	2554.158	3782.808	0.675	0.000	3782.808	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	148 - 143 (1)	TP24x24x0.25	4.616	201.861	0.023	0.000	324.229	0.000
L2	143 - 138 (2)	TP24x24x0.25	5.051	201.861	0.025	0.331	324.229	0.001
L3	138 - 133 (3)	TP24.839x24x0.25	10.560	316.078	0.033	1.330	680.623	0.002
L4	133 - 128 (4)	TP25.677x24.839x0.25	10.924	326.857	0.033	1.330	727.836	0.002
L5	128 - 123 (5)	TP26.516x25.677x0.25	11.288	337.636	0.033	1.330	776.632	0.002

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L6	123 - 118 (6)	TP27.354x26.516x0.25	15.419	348.415	0.044	1.673	827.011	0.002
L7	118 - 113 (7)	TP28.193x27.354x0.25	15.772	359.194	0.044	1.673	878.975	0.002
L8	113 - 108 (8)	TP29.031x28.193x0.25	16.119	369.973	0.044	1.672	932.517	0.002
L9	108 - 103 (9)	TP29.87x29.031x0.25	16.459	380.751	0.043	1.671	987.642	0.002
L10	103 - 98 (10)	TP30.708x29.87x0.25	16.792	391.530	0.043	1.670	1044.358	0.002
L11	98 - 90.75 (11)	TP31.924x30.708x0.25	17.004	398.537	0.043	1.669	1082.067	0.002
L12	90.75 - 89.75 (12)	TP31.786x30.753x0.313	17.478	505.736	0.035	1.669	1393.975	0.001
L13	89.75 - 84.75 (13)	TP32.82x31.786x0.313	17.818	522.339	0.034	1.496	1487.008	0.001
L14	84.75 - 79.75 (14)	TP33.853x32.82x0.313	18.154	538.942	0.034	1.495	1583.042	0.001
L15	79.75 - 74.75 (15)	TP34.886x33.853x0.313	18.488	555.545	0.033	1.494	1682.083	0.001
L16	74.75 - 74.5 (16)	TP34.938x34.886x0.313	18.499	556.375	0.033	1.494	1687.108	0.001
L17	74.5 - 74.25 (17)	TP34.99x34.938x0.313	18.515	557.205	0.033	1.494	1692.150	0.001
L18	74.25 - 69.25 (18)	TP36.023x34.99x0.313	18.850	573.808	0.033	1.493	1794.492	0.001
L19	69.25 - 64.25 (19)	TP37.056x36.023x0.313	19.175	590.412	0.032	1.493	1899.842	0.001
L20	64.25 - 59.25 (20)	TP38.089x37.056x0.313	19.494	607.015	0.032	1.492	2008.200	0.001
L21	59.25 - 54.25 (21)	TP39.123x38.089x0.313	19.807	623.618	0.032	1.491	2119.558	0.001
L22	54.25 - 44.75 (22)	TP41.086x39.123x0.313	20.063	637.731	0.031	1.491	2216.575	0.001
L23	44.75 - 43.75 (23)	TP40.687x39.376x0.375	20.549	777.289	0.026	1.490	2744.050	0.001
L24	43.75 - 38.75 (24)	TP41.735x40.687x0.375	20.848	797.505	0.026	1.490	2888.642	0.001
L25	38.75 - 33.75 (25)	TP42.783x41.735x0.375	21.136	817.720	0.026	1.490	3036.933	0.000
L26	33.75 - 28.75 (26)	TP43.832x42.783x0.375	21.410	837.935	0.026	1.489	3188.950	0.000
L27	28.75 - 23.75 (27)	TP44.88x43.832x0.375	21.681	858.150	0.025	1.489	3344.667	0.000
L28	23.75 - 18.75 (28)	TP45.929x44.88x0.375	21.954	878.365	0.025	1.489	3504.108	0.000
L29	18.75 - 13.75 (29)	TP46.977x45.929x0.375	22.229	898.580	0.025	1.489	3667.250	0.000
L30	13.75 - 8.75 (30)	TP48.025x46.977x0.375	22.505	918.796	0.024	1.489	3834.108	0.000
L31	8.75 - 3.75 (31)	TP49.074x48.025x0.375	22.783	939.011	0.024	1.489	4004.683	0.000
L32	3.75 - 0 (32)	TP49.86x49.074x0.375	22.996	954.172	0.024	1.489	4135.050	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	148 - 143 (1)	0.006	0.030	0.000	0.023	0.000	0.036 ✔	1.050	4.8.2 ✔

Section No.	Elevation ft	Ratio $P_u/\phi P_n$	Ratio $M_{ux}/\phi M_{nx}$	Ratio $M_{uy}/\phi M_{ny}$	Ratio $V_u/\phi V_n$	Ratio $T_u/\phi T_n$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L2	143 - 138 (2)	0.006	0.082	0.000	0.025	0.001	0.089 ✔	1.050	4.8.2 ✔
L3	138 - 133 (3)	0.009	0.134	0.000	0.033	0.002	0.144 ✔	1.050	4.8.2 ✔
L4	133 - 128 (4)	0.009	0.201	0.000	0.033	0.002	0.211 ✔	1.050	4.8.2 ✔
L5	128 - 123 (5)	0.009	0.263	0.000	0.033	0.002	0.273 ✔	1.050	4.8.2 ✔
L6	123 - 118 (6)	0.013	0.330	0.000	0.044	0.002	0.345 ✔	1.050	4.8.2 ✔
L7	118 - 113 (7)	0.013	0.405	0.000	0.044	0.002	0.420 ✔	1.050	4.8.2 ✔
L8	113 - 108 (8)	0.013	0.475	0.000	0.044	0.002	0.490 ✔	1.050	4.8.2 ✔
L9	108 - 103 (9)	0.014	0.539	0.000	0.043	0.002	0.554 ✔	1.050	4.8.2 ✔
L10	103 - 98 (10)	0.014	0.599	0.000	0.043	0.002	0.614 ✔	1.050	4.8.2 ✔
L11	98 - 90.75 (11)	0.014	0.635	0.000	0.043	0.002	0.651 ✔	1.050	4.8.2 ✔
L12	90.75 - 89.75 (12)	0.012	0.529	0.000	0.035	0.001	0.542 ✔	1.050	4.8.2 ✔
L13	89.75 - 84.75 (13)	0.012	0.560	0.000	0.034	0.001	0.573 ✔	1.050	4.8.2 ✔
L14	84.75 - 79.75 (14)	0.012	0.589	0.000	0.034	0.001	0.602 ✔	1.050	4.8.2 ✔
L15	79.75 - 74.75 (15)	0.012	0.615	0.000	0.033	0.001	0.628 ✔	1.050	4.8.2 ✔
L16	74.75 - 74.5 (16)	0.012	0.616	0.000	0.033	0.001	0.629 ✔	1.050	4.8.2 ✔
L17	74.5 - 74.25 (17)	0.012	0.617	0.000	0.033	0.001	0.631 ✔	1.050	4.8.2 ✔
L18	74.25 - 69.25 (18)	0.012	0.641	0.000	0.033	0.001	0.655 ✔	1.050	4.8.2 ✔
L19	69.25 - 64.25 (19)	0.012	0.663	0.000	0.032	0.001	0.677 ✔	1.050	4.8.2 ✔
L20	64.25 - 59.25 (20)	0.013	0.684	0.000	0.032	0.001	0.697 ✔	1.050	4.8.2 ✔
L21	59.25 - 54.25 (21)	0.013	0.703	0.000	0.032	0.001	0.717 ✔	1.050	4.8.2 ✔
L22	54.25 - 44.75 (22)	0.013	0.718	0.000	0.031	0.001	0.732 ✔	1.050	4.8.2 ✔
L23	44.75 - 43.75 (23)	0.012	0.601	0.000	0.026	0.001	0.613 ✔	1.050	4.8.2 ✔
L24	43.75 - 38.75 (24)	0.012	0.611	0.000	0.026	0.001	0.624 ✔	1.050	4.8.2 ✔
L25	38.75 - 33.75 (25)	0.012	0.622	0.000	0.026	0.000	0.634 ✔	1.050	4.8.2 ✔
L26	33.75 - 28.75 (26)	0.012	0.631	0.000	0.026	0.000	0.644 ✔	1.050	4.8.2 ✔
L27	28.75 - 23.75 (27)	0.012	0.640	0.000	0.025	0.000	0.653 ✔	1.050	4.8.2 ✔

Section No.	Elevation ft	Ratio P_u / ϕP_n	Ratio M_{ux} / ϕM_{nx}	Ratio M_{uy} / ϕM_{ny}	Ratio V_u / ϕV_n	Ratio T_u / ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L28	23.75 - 18.75 (28)	0.012	0.648	0.000	0.025	0.000	0.661 ✔	1.050	4.8.2 ✔
L29	18.75 - 13.75 (29)	0.013	0.656	0.000	0.025	0.000	0.669 ✔	1.050	4.8.2 ✔
L30	13.75 - 8.75 (30)	0.013	0.663	0.000	0.024	0.000	0.677 ✔	1.050	4.8.2 ✔
L31	8.75 - 3.75 (31)	0.013	0.670	0.000	0.024	0.000	0.684 ✔	1.050	4.8.2 ✔
L32	3.75 - 0 (32)	0.013	0.675	0.000	0.024	0.000	0.689 ✔	1.050	4.8.2 ✔

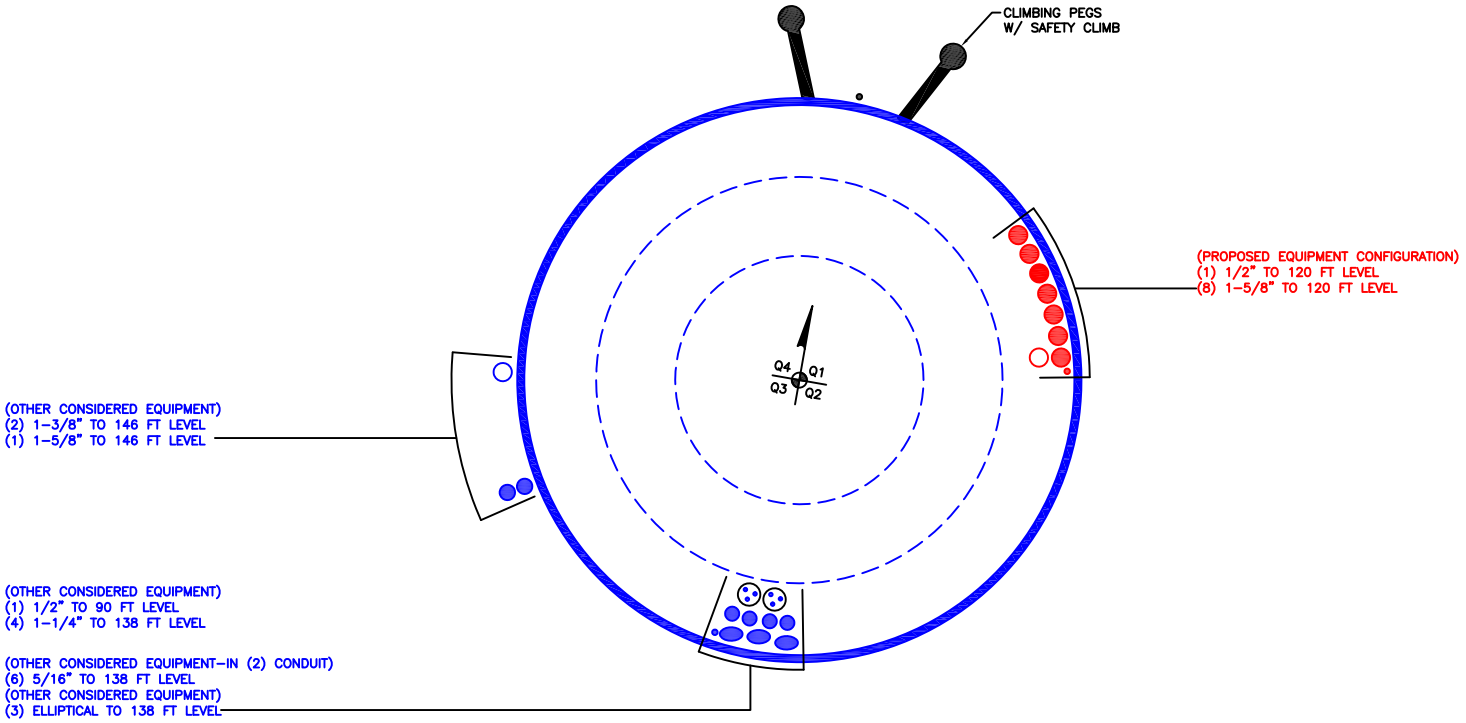
Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	148 - 143	Pole	TP24x24x0.25	1	-4.427	791.514	**	**
L2	143 - 138	Pole	TP24x24x0.25	2	-4.838	791.514	**	**
L3	138 - 133	Pole	TP24.839x24x0.25	3	-9.318	1106.269	**	**
L4	133 - 128	Pole	TP25.677x24.839x0.25	4	-9.828	1143.996	**	**
L5	128 - 123	Pole	TP26.516x25.677x0.25	5	-10.360	1181.722	**	**
L6	123 - 118	Pole	TP27.354x26.516x0.25	6	-15.143	1219.449	**	**
L7	118 - 113	Pole	TP28.193x27.354x0.25	7	-15.800	1257.175	**	**
L8	113 - 108	Pole	TP29.031x28.193x0.25	8	-16.481	1294.902	**	**
L9	108 - 103	Pole	TP29.87x29.031x0.25	9	-17.186	1332.628	**	**
L10	103 - 98	Pole	TP30.708x29.87x0.25	10	-17.914	1370.355	**	**
L11	98 - 90.75	Pole	TP31.924x30.708x0.25	11	-18.399	1394.883	**	**
L12	90.75 - 89.75	Pole	TP31.786x30.753x0.313	12	-19.723	1770.079	**	**
L13	89.75 - 84.75	Pole	TP32.82x31.786x0.313	13	-20.617	1828.186	**	**
L14	84.75 - 79.75	Pole	TP33.853x32.82x0.313	14	-21.536	1886.293	**	**
L15	79.75 - 74.75	Pole	TP34.886x33.853x0.313	15	-22.480	1944.411	**	**
L16	74.75 - 74.5	Pole	TP34.938x34.886x0.313	16	-22.535	1947.309	**	**
L17	74.5 - 74.25	Pole	TP34.99x34.938x0.313	17	-22.583	1950.217	**	**
L18	74.25 - 69.25	Pole	TP36.023x34.99x0.313	18	-23.547	2008.324	**	**
L19	69.25 - 64.25	Pole	TP37.056x36.023x0.313	19	-24.543	2066.442	**	**
L20	64.25 - 59.25	Pole	TP38.089x37.056x0.313	20	-25.563	2124.549	**	**
L21	59.25 - 54.25	Pole	TP39.123x38.089x0.313	21	-26.606	2182.666	**	**
L22	54.25 - 44.75	Pole	TP41.086x39.123x0.313	22	-27.511	2232.058	**	**
L23	44.75 - 43.75	Pole	TP40.687x39.376x0.375	23	-29.858	2720.508	**	**
L24	43.75 - 38.75	Pole	TP41.735x40.687x0.375	24	-31.114	2791.267	**	**
L25	38.75 - 33.75	Pole	TP42.783x41.735x0.375	25	-32.397	2862.016	**	**
L26	33.75 - 28.75	Pole	TP43.832x42.783x0.375	26	-33.706	2932.776	**	**
L27	28.75 - 23.75	Pole	TP44.88x43.832x0.375	27	-35.043	3003.525	**	**
L28	23.75 - 18.75	Pole	TP45.929x44.88x0.375	28	-36.406	3074.274	**	**
L29	18.75 - 13.75	Pole	TP46.977x45.929x0.375	29	-37.795	3145.033	**	**
L30	13.75 - 8.75	Pole	TP48.025x46.977x0.375	30	-39.211	3215.782	**	**
L31	8.75 - 3.75	Pole	TP49.074x48.025x0.375	31	-40.653	3286.542	**	**
L32	3.75 - 0	Pole	TP49.86x49.074x0.375	32	-41.750	3339.598	**	**
							Summary	
						Pole (L22)	**	**
						RATING =	**	**

**Above stress ratios for reinforced sections are approximate. More exact calculations are presented in Appendix C

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 876323

APPENDIX C

ADDITIONAL CALCULATIONS

CCIpole

per TIA-222- H

Site BU: 876323

Work Order: 1957858

Pole Geometry

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	148	10	0	0	24	24	0.25		A500-50
2	138	47.25	4	18	24.00	31.924	0.25	Auto	A607-60
3	94.75	50	5.25	18	30.75	41.086	0.3125	Auto	A607-60
4	50	50	0	18	39.38	49.86	0.375	Auto	A607-60

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	47.5	74.5	plate	CCI-SFP-045100	3				E						E						E		
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in^2)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in2)	Bolt Hole Size (in)	Reinforcement Material
1	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.000	3.250	1.1875	A572-65

TNX Geometry Input

Increment (ft): 5 Export to TNX

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	148 - 143	5		0	24.000	24.000	0.25	A500-50	1.000
2	143 - 138	5	0	0	24.000	24.000	0.25	A500-50	1.000
3	138 - 133	5		18	24.000	24.839	0.25	A607-60	1.000
4	133 - 128	5		18	24.839	25.677	0.25	A607-60	1.000
5	128 - 123	5		18	25.677	26.516	0.25	A607-60	1.000
6	123 - 118	5		18	26.516	27.354	0.25	A607-60	1.000
7	118 - 113	5		18	27.354	28.193	0.25	A607-60	1.000
8	113 - 108	5		18	28.193	29.031	0.25	A607-60	1.000
9	108 - 103	5		18	29.031	29.870	0.25	A607-60	1.000
10	103 - 98	5		18	29.870	30.708	0.25	A607-60	1.000
11	98 - 94.75	7.25	4	18	30.708	31.924	0.25	A607-60	1.000
12	94.75 - 89.75	5		18	30.753	31.786	0.3125	A607-60	1.000
13	89.75 - 84.75	5		18	31.786	32.820	0.3125	A607-60	1.000
14	84.75 - 79.75	5		18	32.820	33.853	0.3125	A607-60	1.000
15	79.75 - 74.75	5		18	33.853	34.886	0.3125	A607-60	1.000
16	74.75 - 74.5	0.25		18	34.886	34.938	0.3125	A607-60	1.000
17	74.5 - 74.25	0.25		18	34.938	34.990	0.3125	A607-60	1.000
18	74.25 - 69.25	5		18	34.990	36.023	0.3125	A607-60	1.000
19	69.25 - 64.25	5		18	36.023	37.056	0.3125	A607-60	1.000
20	64.25 - 59.25	5		18	37.056	38.089	0.3125	A607-60	1.000
21	59.25 - 54.25	5		18	38.089	39.123	0.3125	A607-60	1.000
22	54.25 - 50	9.5	5.25	18	39.123	41.086	0.3125	A607-60	1.000
23	50 - 43.75	6.25		18	39.376	40.687	0.375	A607-60	1.000
24	43.75 - 38.75	5		18	40.687	41.735	0.375	A607-60	1.000
25	38.75 - 33.75	5		18	41.735	42.783	0.375	A607-60	1.000
26	33.75 - 28.75	5		18	42.783	43.832	0.375	A607-60	1.000
27	28.75 - 23.75	5		18	43.832	44.880	0.375	A607-60	1.000
28	23.75 - 18.75	5		18	44.880	45.929	0.375	A607-60	1.000
29	18.75 - 13.75	5		18	45.929	46.977	0.375	A607-60	1.000
30	13.75 - 8.75	5		18	46.977	48.025	0.375	A607-60	1.000
31	8.75 - 3.75	5		18	48.025	49.074	0.375	A607-60	1.000
32	3.75 - 0	3.75		18	49.074	49.860	0.375	A607-60	1.000

TNX Section Forces

Increment (ft):	5	TNX Output		
	Section Height (ft)	P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	148 - 143	4.43	13.72	4.62
2	143 - 138	4.84	37.99	5.05
3	138 - 133	9.32	90.33	10.56
4	133 - 128	9.83	144.05	10.92
5	128 - 123	10.36	199.58	11.29
6	123 - 118	15.14	264.58	15.42
7	118 - 113	15.80	342.55	15.77
8	113 - 108	16.48	422.27	16.12
9	108 - 103	17.19	503.69	16.46
10	103 - 98	17.91	586.80	16.79
11	98 - 94.75	18.40	641.70	17.00
12	94.75 - 89.75	19.72	727.64	17.48
13	89.75 - 84.75	20.62	815.85	17.82
14	84.75 - 79.75	21.54	905.76	18.15
15	79.75 - 74.75	22.48	997.33	18.49
16	74.75 - 74.5	22.54	1001.95	18.50
17	74.5 - 74.25	22.58	1006.58	18.52
18	74.25 - 69.25	23.55	1099.98	18.85
19	69.25 - 64.25	24.54	1195.01	19.18
20	64.25 - 59.25	25.56	1291.65	19.49
21	59.25 - 54.25	26.61	1389.87	19.81
22	54.25 - 50	27.51	1474.56	20.06
23	50 - 43.75	29.86	1601.49	20.55
24	43.75 - 38.75	31.11	1704.94	20.85
25	38.75 - 33.75	32.40	1809.87	21.14
26	33.75 - 28.75	33.71	1916.20	21.41
27	28.75 - 23.75	35.04	2023.90	21.68
28	23.75 - 18.75	36.41	2132.95	21.95
29	18.75 - 13.75	37.80	2243.37	22.23
30	13.75 - 8.75	39.21	2355.17	22.50
31	8.75 - 3.75	40.65	2468.35	22.78
32	3.75 - 0	41.75	2554.16	23.00

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
148 - 143	Pole	TP24x24x0.25	Pole	3.4%	Pass
143 - 138	Pole	TP24x24x0.25	Pole	8.5%	Pass
138 - 133	Pole	TP24.839x24x0.25	Pole	13.7%	Pass
133 - 128	Pole	TP25.677x24.839x0.25	Pole	20.1%	Pass
128 - 123	Pole	TP26.516x25.677x0.25	Pole	26.0%	Pass
123 - 118	Pole	TP27.354x26.516x0.25	Pole	32.9%	Pass
118 - 113	Pole	TP28.193x27.354x0.25	Pole	40.0%	Pass
113 - 108	Pole	TP29.031x28.193x0.25	Pole	46.7%	Pass
108 - 103	Pole	TP29.87x29.031x0.25	Pole	52.8%	Pass
103 - 98	Pole	TP30.708x29.87x0.25	Pole	58.5%	Pass
98 - 94.75	Pole	TP31.924x30.708x0.25	Pole	62.0%	Pass
94.75 - 89.75	Pole	TP31.786x30.753x0.3125	Pole	51.6%	Pass
89.75 - 84.75	Pole	TP32.82x31.786x0.3125	Pole	54.6%	Pass
84.75 - 79.75	Pole	TP33.853x32.82x0.3125	Pole	57.3%	Pass
79.75 - 74.75	Pole	TP34.886x33.853x0.3125	Pole	59.8%	Pass
74.75 - 74.5	Pole	TP34.938x34.886x0.3125	Pole	59.9%	Pass
74.5 - 74.25	Pole	TP34.99x34.938x0.3125	Pole	60.0%	Pass
74.25 - 69.25	Pole	TP36.023x34.99x0.3125	Pole	62.3%	Pass
69.25 - 64.25	Pole	TP37.056x36.023x0.3125	Pole	64.5%	Pass
64.25 - 59.25	Pole	TP38.089x37.056x0.3125	Pole	66.4%	Pass
59.25 - 54.25	Pole	TP39.123x38.089x0.3125	Pole	68.3%	Pass
54.25 - 50	Pole	TP41.086x39.123x0.3125	Pole	69.7%	Pass
50 - 43.75	Pole	TP40.687x39.376x0.375	Pole	58.4%	Pass
43.75 - 38.75	Pole	TP41.735x40.687x0.375	Pole	59.4%	Pass
38.75 - 33.75	Pole	TP42.783x41.735x0.375	Pole	60.4%	Pass
33.75 - 28.75	Pole	TP43.832x42.783x0.375	Pole	61.3%	Pass
28.75 - 23.75	Pole	TP44.88x43.832x0.375	Pole	62.2%	Pass
23.75 - 18.75	Pole	TP45.929x44.88x0.375	Pole	63.0%	Pass
18.75 - 13.75	Pole	TP46.977x45.929x0.375	Pole	63.7%	Pass
13.75 - 8.75	Pole	TP48.025x46.977x0.375	Pole	64.4%	Pass
8.75 - 3.75	Pole	TP49.074x48.025x0.375	Pole	65.1%	Pass
3.75 - 0	Pole	TP49.86x49.074x0.375	Pole	65.6%	Pass
				Summary	
			Pole	69.7%	Pass
			Reinforcement	0.0%	Pass
			Overall	69.7%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in^4)			Area (in^2)			% Capacity*	
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1
148 - 143	1315	n/a	1315	18.65	n/a	18.65	3.4%	
143 - 138	1315	n/a	1315	18.65	n/a	18.65	8.5%	
138 - 133	1490	n/a	1490	19.51	n/a	19.51	13.7%	
133 - 128	1647	n/a	1647	20.18	n/a	20.18	20.1%	
128 - 123	1816	n/a	1816	20.84	n/a	20.84	26.0%	
123 - 118	1995	n/a	1995	21.51	n/a	21.51	32.9%	
118 - 113	2186	n/a	2186	22.17	n/a	22.17	40.0%	
113 - 108	2389	n/a	2389	22.84	n/a	22.84	46.7%	
108 - 103	2604	n/a	2604	23.50	n/a	23.50	52.8%	
103 - 98	2832	n/a	2832	24.17	n/a	24.17	58.5%	
98 - 94.75	2986	n/a	2986	24.60	n/a	24.60	62.0%	
94.75 - 89.75	3906	n/a	3906	31.22	n/a	31.22	51.6%	
89.75 - 84.75	4303	n/a	4303	32.24	n/a	32.24	54.6%	
84.75 - 79.75	4727	n/a	4727	33.27	n/a	33.27	57.3%	
79.75 - 74.75	5177	n/a	5177	34.29	n/a	34.29	59.8%	
74.75 - 74.5	5200	n/a	5200	34.34	n/a	34.34	59.9%	
74.5 - 74.25	5224	n/a	5224	34.39	n/a	34.39	60.0%	
74.25 - 69.25	5705	n/a	5705	35.42	n/a	35.42	62.3%	
69.25 - 64.25	6214	n/a	6214	36.44	n/a	36.44	64.5%	
64.25 - 59.25	6753	n/a	6753	37.47	n/a	37.47	66.4%	
59.25 - 54.25	7323	n/a	7323	38.49	n/a	38.49	68.3%	
54.25 - 50	7831	n/a	7831	39.36	n/a	39.36	69.7%	
50 - 43.75	9847	n/a	9847	47.98	n/a	47.98	58.4%	
43.75 - 38.75	10636	n/a	10636	49.23	n/a	49.23	59.4%	
38.75 - 33.75	11465	n/a	11465	50.47	n/a	50.47	60.4%	
33.75 - 28.75	12337	n/a	12337	51.72	n/a	51.72	61.3%	
28.75 - 23.75	13251	n/a	13251	52.97	n/a	52.97	62.2%	
23.75 - 18.75	14210	n/a	14210	54.22	n/a	54.22	63.0%	
18.75 - 13.75	15214	n/a	15214	55.47	n/a	55.47	63.7%	
13.75 - 8.75	16264	n/a	16264	56.71	n/a	56.71	64.4%	
8.75 - 3.75	17361	n/a	17361	57.96	n/a	57.96	65.1%	
3.75 - 0	18215	n/a	18215	58.90	n/a	58.90	65.6%	

Note: Section capacity checked using 5 degree increments.
Rating per TIA-222-H Section 15.5.

Monopole Flange Plate Connection

Elevation = 138 ft.

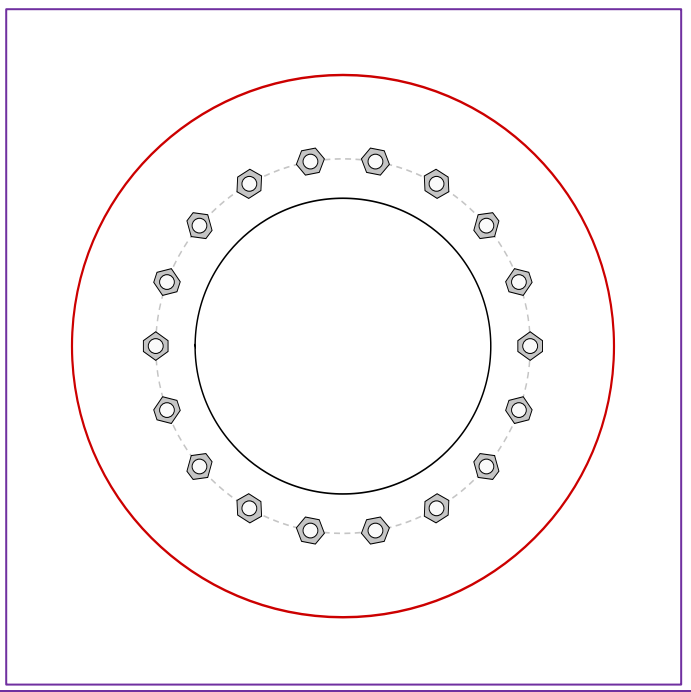
BU #	876323
Site Name	Hillside, CT
Order #	552703 Rev# 0

TIA-222 Revision	H

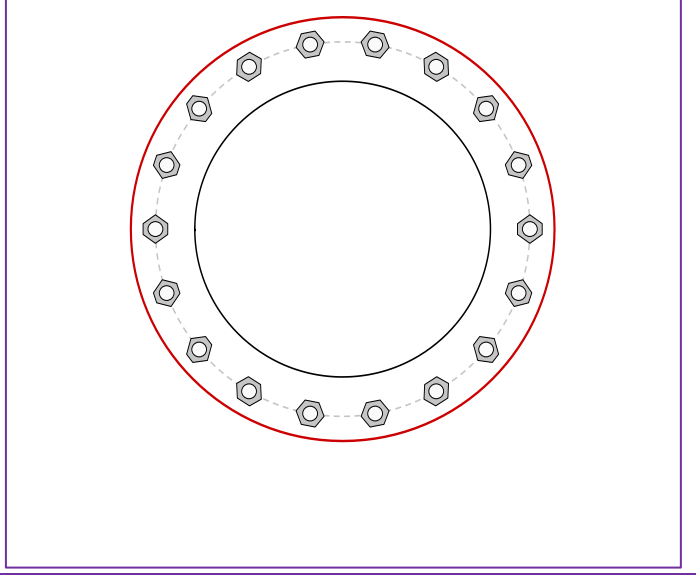
Applied Loads	
Moment (kip-ft)	37.99
Axial Force (kips)	4.84
Shear Force (kips)	5.05

**TIA-222-H Section 15.5 Applied*

Top Plate - Internal



Bottom Plate - Internal



Connection Properties

Bolt Data

(18) 3/4" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 19" BC

Top Plate Data

15" ID x 1" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Bottom Plate Data

15" ID x 0.75" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

28" x 0.25" round pole (A500-50; Fy=50 ksi, Fu=62 ksi)

Bottom Pole Data

22" x 0.25" 18-sided pole (A607-60; Fy=60 ksi, Fu=75 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	5.06	
Allowable (kips)	30.06	
Stress Rating:	**16.0%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	19.82	(Flexural)
Allowable Stress (ksi):	45.00	
Stress Rating:	**42.0%**	**Pass**
Tension Side Stress Rating:	**14.5%**	**Pass**

Bottom Plate Capacity

Max Stress (ksi):	13.12	(Flexural)
Allowable Stress (ksi):	45.00	
Stress Rating:	**27.8%**	**Pass**
Tension Side Stress Rating:	**7.7%**	**Pass**

Monopole Flange Plate Connection

Elevation = 138 ft.

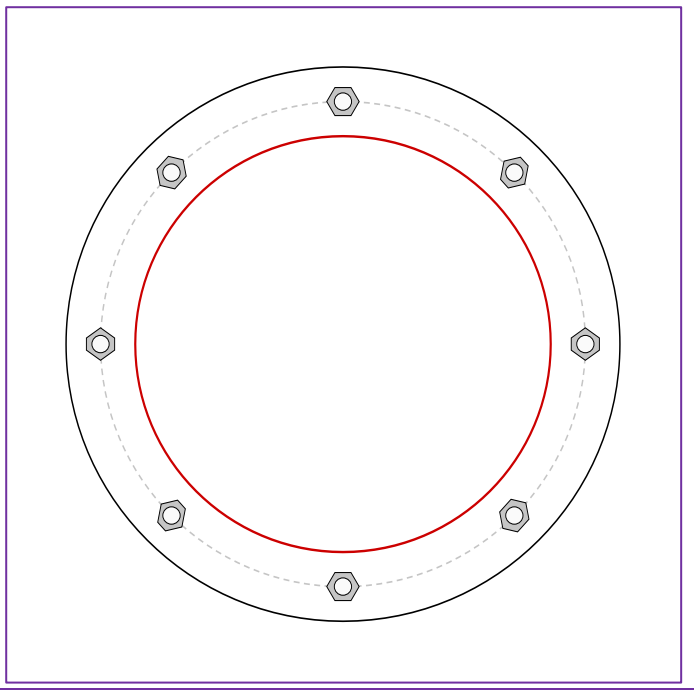
BU #	876323
Site Name	Hillside, CT
Order #	552703 Rev# 0

TIA-222 Revision	H

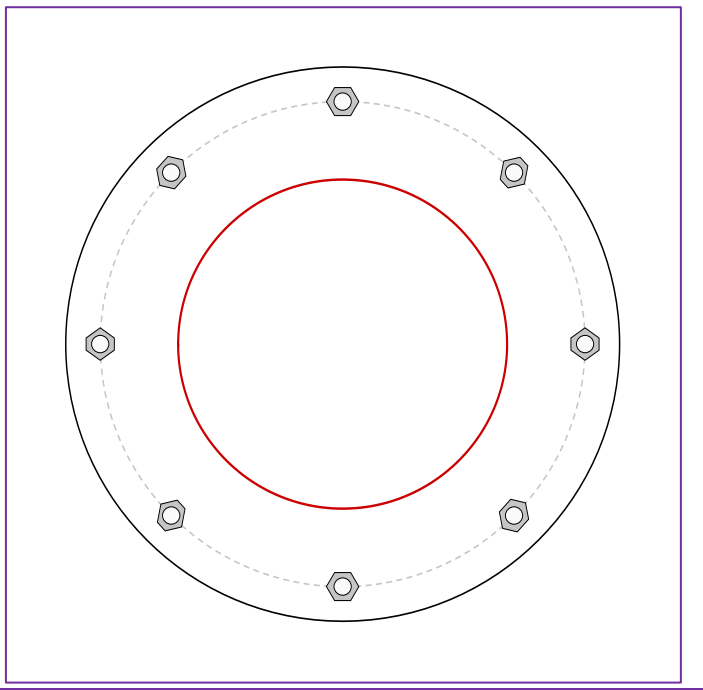
Applied Loads	
Moment (kip-ft)	37.99
Axial Force (kips)	4.84
Shear Force (kips)	5.05

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - External



Connection Properties

Bolt Data

(8) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 28" BC

Top Plate Data

32" OD x 0.75" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Bottom Plate Data

32" OD x 1" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

24" x 0.25" round pole (A500-50; Fy=50 ksi, Fu=62 ksi)

Bottom Pole Data

19" x 0.25" 18-sided pole (A607-60; Fy=60 ksi, Fu=75 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	7.53	
Allowable (kips)	54.53	
Stress Rating:	**13.2%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	8.62	(Flexural)
Allowable Stress (ksi):	45.00	
Stress Rating:	**18.2%**	**Pass**
Tension Side Stress Rating:	**7.7%**	**Pass**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**N/A**
Tension Side Stress Rating:	**N/A**

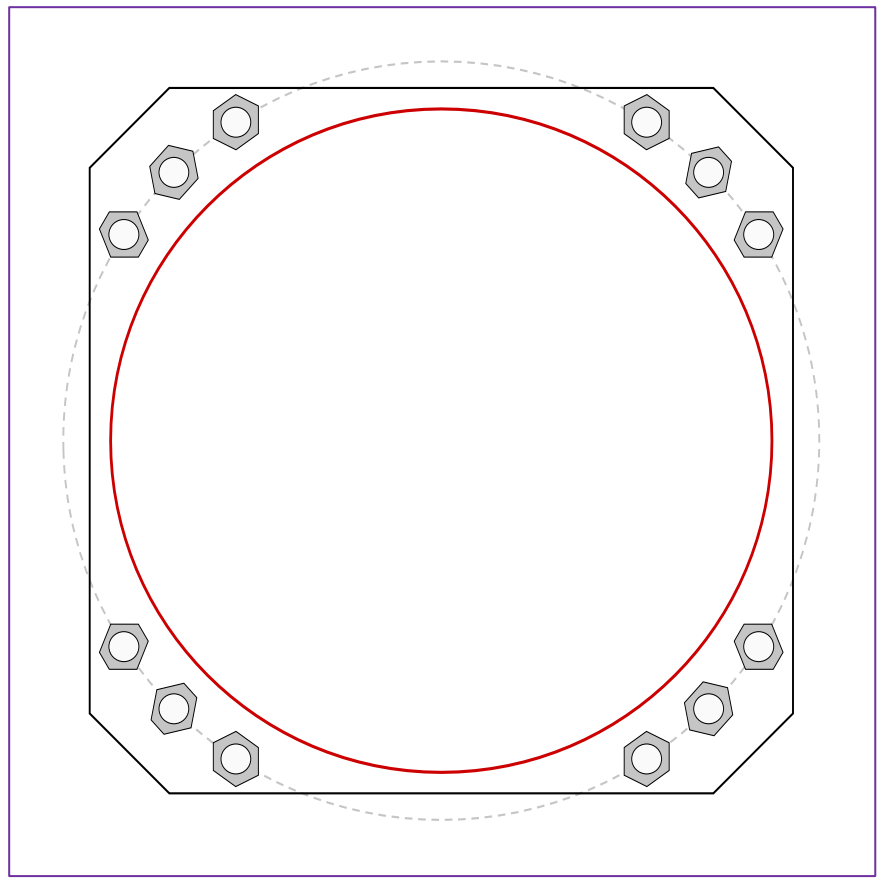
Monopole Base Plate Connection

Site Info	
BU #	876323
Site Name	Hillside, CT
Order #	552703 Rev# 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	2.25

Applied Loads	
Moment (kip-ft)	2554.16
Axial Force (kips)	41.75
Shear Force (kips)	23.00

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(12) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 57" BC

Anchor Spacing: 6 in

Base Plate Data

53" W x 3" Plate (A572-60; Fy=60 ksi, Fu=75 ksi); Clip: 6 in

Stiffener Data

N/A

Pole Data

49.86" x 0.375" 18-sided pole (A607-60; Fy=60 ksi, Fu=75 ksi)

Analysis Results

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

Pu_t = 175.65	ϕPn_t = 243.75	**Stress Rating**
Vu = 1.92	ϕVn = 149.1	**68.6%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	30.14	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**53.2%**	**Pass**

Drilled Pier Foundation

BU # :	876323
Site Name:	Hillside, CT
Order Number:	552703 Rev# 0

TIA-222 Revison:	H
Tower Type:	Monopole

Applied Loads	Comp.	Uplift
Moment (kip-ft)	2554.16	
Axial Force (kips)	41.75	
Shear Force (kips)	23	

Material Properties		
Concrete Strength, f'c:	3	ksi
Rebar Strength, Fy:	60	ksi
Tie Yield Strength, Fyt:	40	ksi

Pier Design Data		
Depth	21.5	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
From 0.5' above grade to 21.5' below grade		
Pier Diameter	7	ft
Rebar Quantity	38	
Rebar Size	9	
Clear Cover to Ties	4	in
Tie Size	5	
Tie Spacing	18	in

Rebar & Pier Options
Embedded Pole Inputs
Belled Pier Inputs

Analysis Results		
Soil Lateral Check	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	5.79	-
Soil Safety Factor	2.76	-
Max Moment (kip-ft)	2671.37	-
Rating*	*45.8%*	-
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	310.49	-
End Bearing (kips)	337.70	-
Weight of Concrete (kips)	104.85	-
Total Capacity (kips)	648.19	-
Axial (kips)	146.60	-
Rating*	*21.5%*	-
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	5.79	-
Critical Moment (kip-ft)	2671.37	-
Critical Moment Capacity	5930.21	-
Rating*	*42.9%*	-
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	15.81	-
Critical Shear (kip)	346.84	-
Critical Shear Capacity	583.39	-
Rating*	*56.6%*	-

Soil Interaction Rating*	**45.8%**
Structural Foundation Rating*	**56.6%**

*Rating per TIA-222-H Section 15.5

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

Go to Soil Calculations

Soil Profile

Groundwater Depth	5	# of Layers	6

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3.5	3.5	115	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3.5	5	1.5	115	150	0	31	0.000	0.000	0.00	0.00			Cohesionless
3	5	8	3	68	87.6	0	40	0.000	0.000	0.81	0.81			Cohesionless
4	8	15	7	68	87.6	0	42	0.000	0.000	1.07	1.07			Cohesionless
5	15	20	5	68	87.6	0	42	0.000	0.000	1.34	1.34			Cohesionless
6	20	21.5	1.5	68	87.6	0	42	0.000	0.000	1.47	1.47	11.7		Cohesionless

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-10	**Elevation:**	157.22 ft (NAVD 88)
Risk Category:	II	**Latitude:**	41.301275
Soil Class:	D - Stiff Soil	**Longitude:**	-72.976444

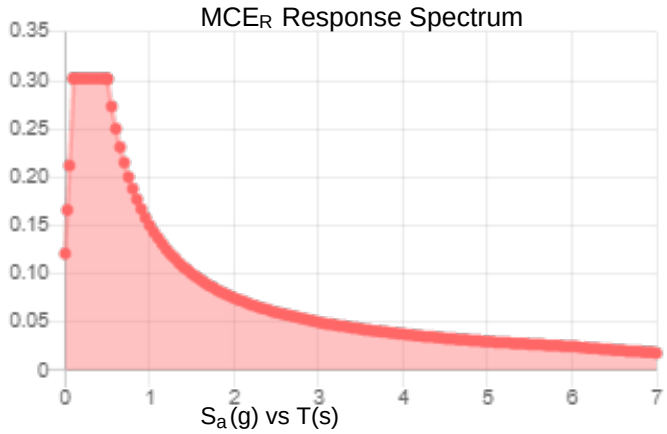
Seismic

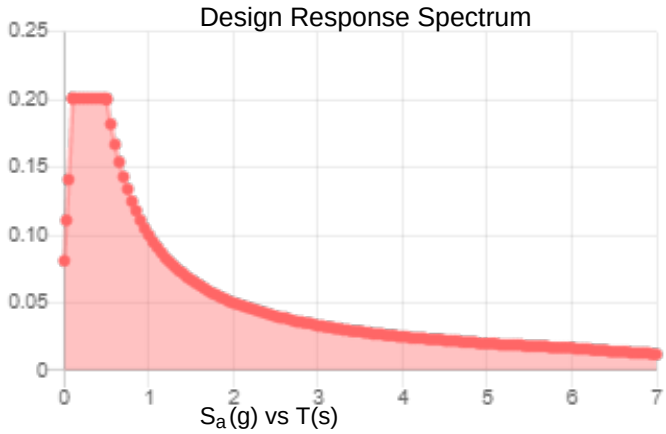
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.189	S_{DS} :	0.201
S_1 :	0.063	S_{D1} :	0.1
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.099
S_{MS} :	0.302	PGA_M :	0.159
S_{M1} :	0.15	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Tue Apr 27 2021

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

Ice

Results:

Ice Thickness:	0.75 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Tue Apr 27 2021

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

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

Exhibit E

Mount Analysis

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

Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10062102
Maser Consulting Connecticut Project #: 21777058A

May 4, 2021

Site Information	*Site ID:*	*469064-VZW / WEST HAVEN 3 CT*
	Site Name:	*WEST HAVEN 3 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*85 Plainfield Ave* *West Haven, Connecticut 06516* *New Haven County*
	Latitude:	*41.301275°*
	Longitude:	*-72.976444°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*14.42-Ft Platform*

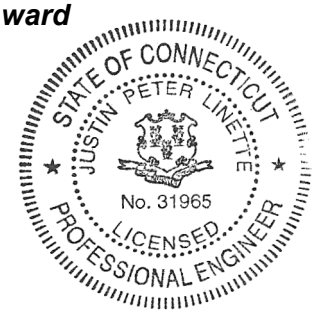
FUZE ID # 16227617

Analysis Results

Platform: **73.8% Pass**

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

Report Prepared By: Frank Centone



Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 675086, dated January 12, 2021*
Mount Mapping Report	*Level-Up Towers, Site Name: West Haven 3, dated January 16, 2021*
Mount Analysis Report	*Maser Consulting Project #: 21777058A, dated April 4, 2021*
Mount Modification Drawings	*Maser Consulting Project #: 21777058A, dated May 4, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.994
Seismic Parameters:	S_S:	0.201
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
119.00	120.00	6	Commscope	JAHH-65B-R3B	Added
		3	Samsung	MT6407-77A	
		3	Commscope	CBC78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BRO49	
		3	Samsung	B5/B13 RRH-BRO4C	
		1	Raycap	RVZDC-6627-PF-48	
		2	Antel	BXA-80063/4CF	Retained
		1	Antel	BXA-80063/6CF	

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting 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 to verify deviation will not adversely impact the analysis.

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Support Rail Corner	39.2%	Pass
Kicker	9.4%	Pass
Support Rail	24.7%	Pass
Mount Pipe	36.0%	Pass
Replacement Pipe	18.2%	Pass
Front Standoff HSS	19.8%	Pass
Back Standoff HSS	34.4%	Pass
Platform Angle	73.8%	Pass
Support Rail Corner	39.2%	Pass
Mount Connection	52.3%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**73.8%**

Recommendation:

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

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

Attachments:

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


02.16.2021 11:40

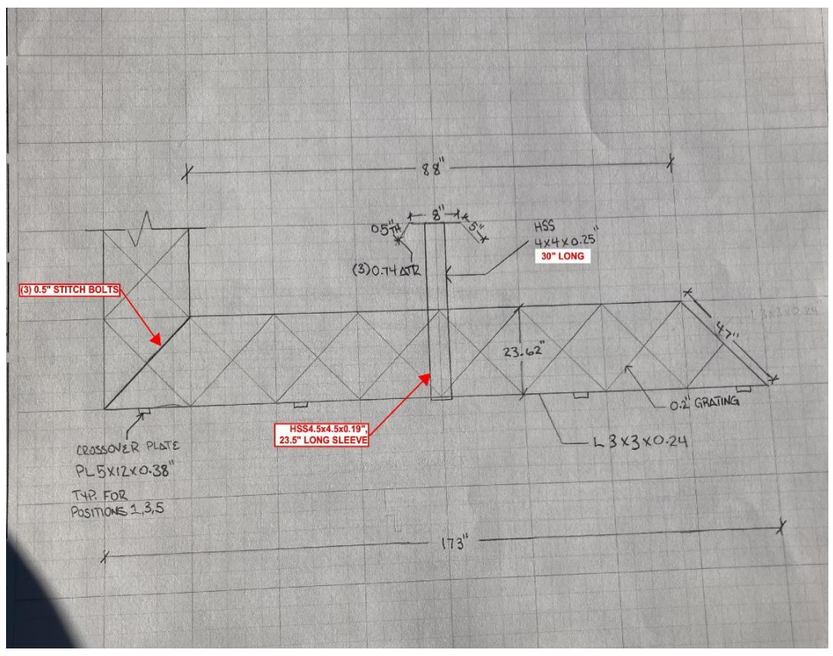

02.16.2021 11:40

V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #	

Tower Owner:	CROWN CASTLE	**Mapping Date:**	1/16/2021
Site Name:	WEST HAVEN 3	**Tower Type:**	MONOPOLE
Site Number or ID:		**Tower Height (Ft.):**	
Mapping Contractor:	LEVEL-UP TOWERS	**Mount Elevation (Ft.):**	119



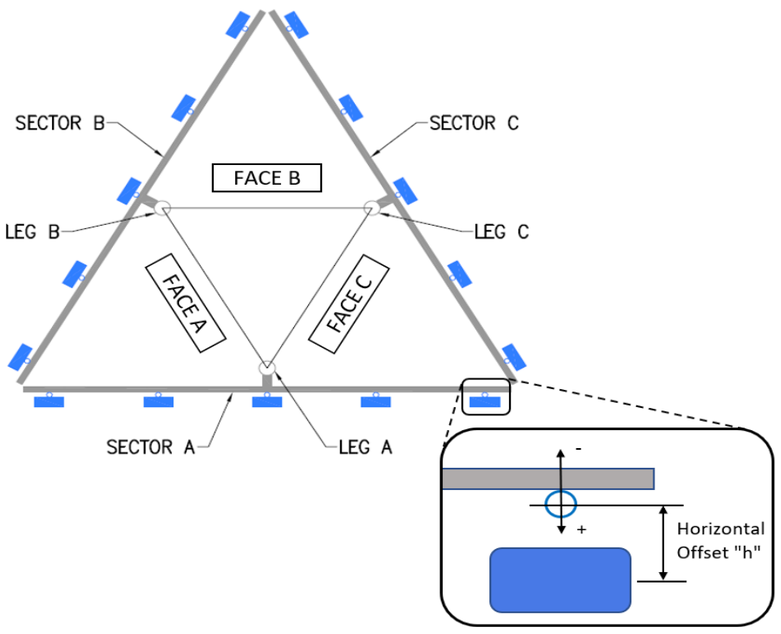
Mount Pipe Configuration and Geometries [Unit = Inches]

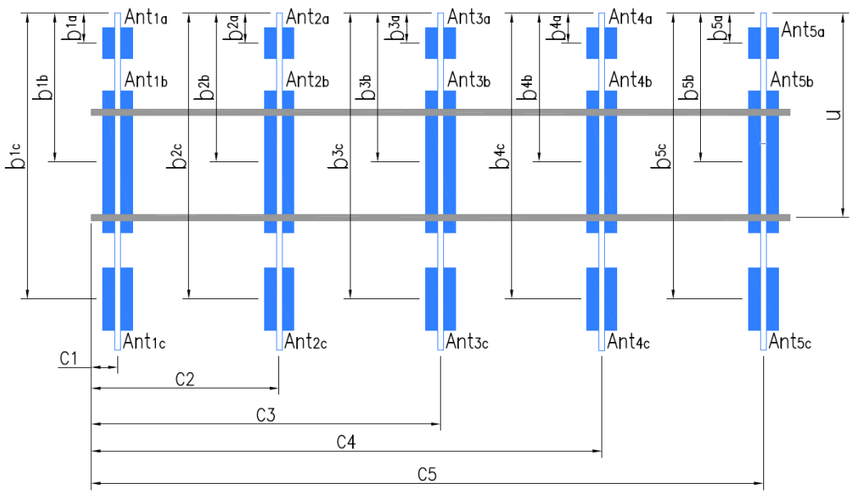
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	72x2.38x0.15"	49.00	13.00	C1	72x2.38x0.15"	49.00	13.00
A2	73x2.38x0.17"	43.00	45.00	C2	73x2.38x0.17"	43.00	45.00
A3	72x2.38x0.17"	40.00	86.00	C3	72x2.38x0.17"	40.00	86.00
A4	72x2.38x0.17"	41.00	128.00	C4	72x2.38x0.17"	41.00	127.00
A5	72x2.38x0.18"	41.00	159.00	C5	72x2.38x0.18"	41.00	160.00
A6				C6			
B1	72x2.38x0.15"	49.00	13.00	D1			
B2	73x2.38x0.17"	43.00	44.00	D2			
B3	72x2.38x0.17"	40.00	86.00	D3			
B4	72x2.38x0.17"	41.00	125.50	D4			
B5	72x2.38x0.18"	41.00	159.50	D5			
B6				D6			

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

Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	



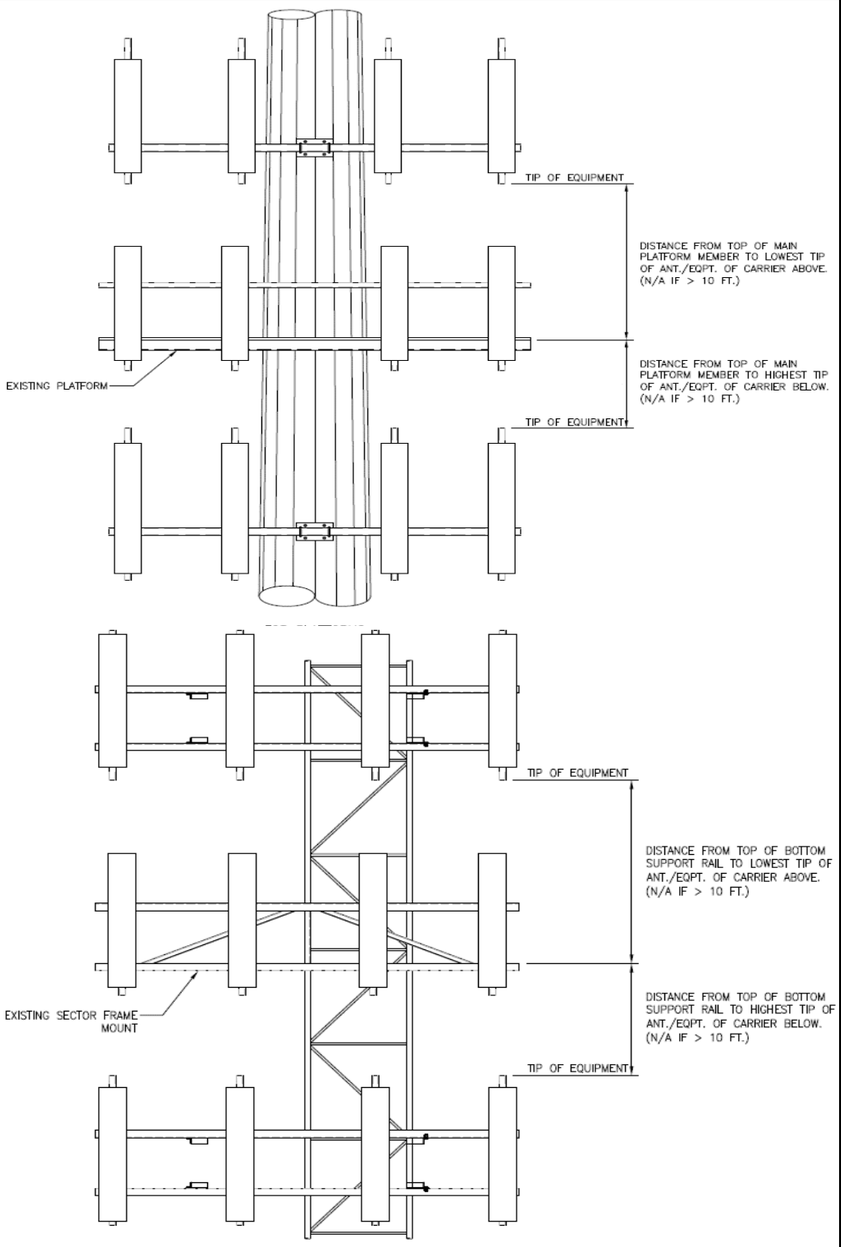


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}	BXA-171063-8BF-EDIN	6.00	4.00	48.00		121.083	24.00	7.00	183.00	44
Ant_{1b}	RRH2x40-AWS	12.00	9.00	25.00		121.583	18.00	7.00		50
Ant_{1c}										
Ant_{2a}	RFS	6.50	0.75	5.50		120.75	22.00	4.00	163.00	51
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	LNX-6514DS-A1M	12.00	8.00	72.00		119.833	30.00	7.00	183.00	54
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	MGD3-800T0	7.00	4.00	54.00		119.917	30.00	7.50	183.00	59
Ant_{4b}										
Ant_{4c}										
Ant_{5a}	BXA-80063-4CF-EDIN	11.00	5.00	48.00		119.667	33.00	11.00	183.00	64
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	183.00	Deg	Leg A:		Deg
Sector B:	303.00	Deg	Leg B:		Deg
Sector C:	63.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

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



Sector B										
Ant_{1a}	BXA-171063-8BF-EDIN	6.00	4.00	48.00		121.083	24.00	7.00	303.00	44
Ant_{1b}	RRH2x40-AWS	12.00	9.00	25.00		121.583	18.00			50
Ant_{1c}										
Ant_{2a}	RFS	6.50	0.75	5.50		120.75	22.00	4.00	283.00	51
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	LNX-6514DS-A1M	12.00	8.00	72.00		119.833	30.00	7.00	303.00	54
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	MGD3-800T0	7.00	4.00	54.00		119.917	30.00	7.50	303.00	59
Ant_{4b}										
Ant_{4c}										
Ant_{5a}	BXA-80063-4CF-EDIN	11.00	5.00	48.00		119.667	33.00	11.00	303.00	64
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	BXA-171063-8BF-EDIN	6.00	4.00	48.00		121.083	24.00	7.00	63.00	44
Ant_{1b}	RRH2x40-AWS	12.00	9.00	25.00		121.583	18.00			50
Ant_{1c}										
Ant_{2a}	RFS	6.50	0.75	5.50		120.75	22.00	4.00	43.00	51
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	LNX-6514DS-A1M	12.00	8.00	72.00		119.833	30.00	7.00	63.00	54
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	MGD3-800T0	7.00	4.00	54.00		119.917	30.00	7.50	63.00	59
Ant_{4b}										
Ant_{4c}										
Ant_{5a}	BXA-80063-4CF-EDIN	11.00	5.00	48.00		119.667	33.00	11.00	63.00	64
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #

1		
2		
3		
4		
5		
6		
7		
8		

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.

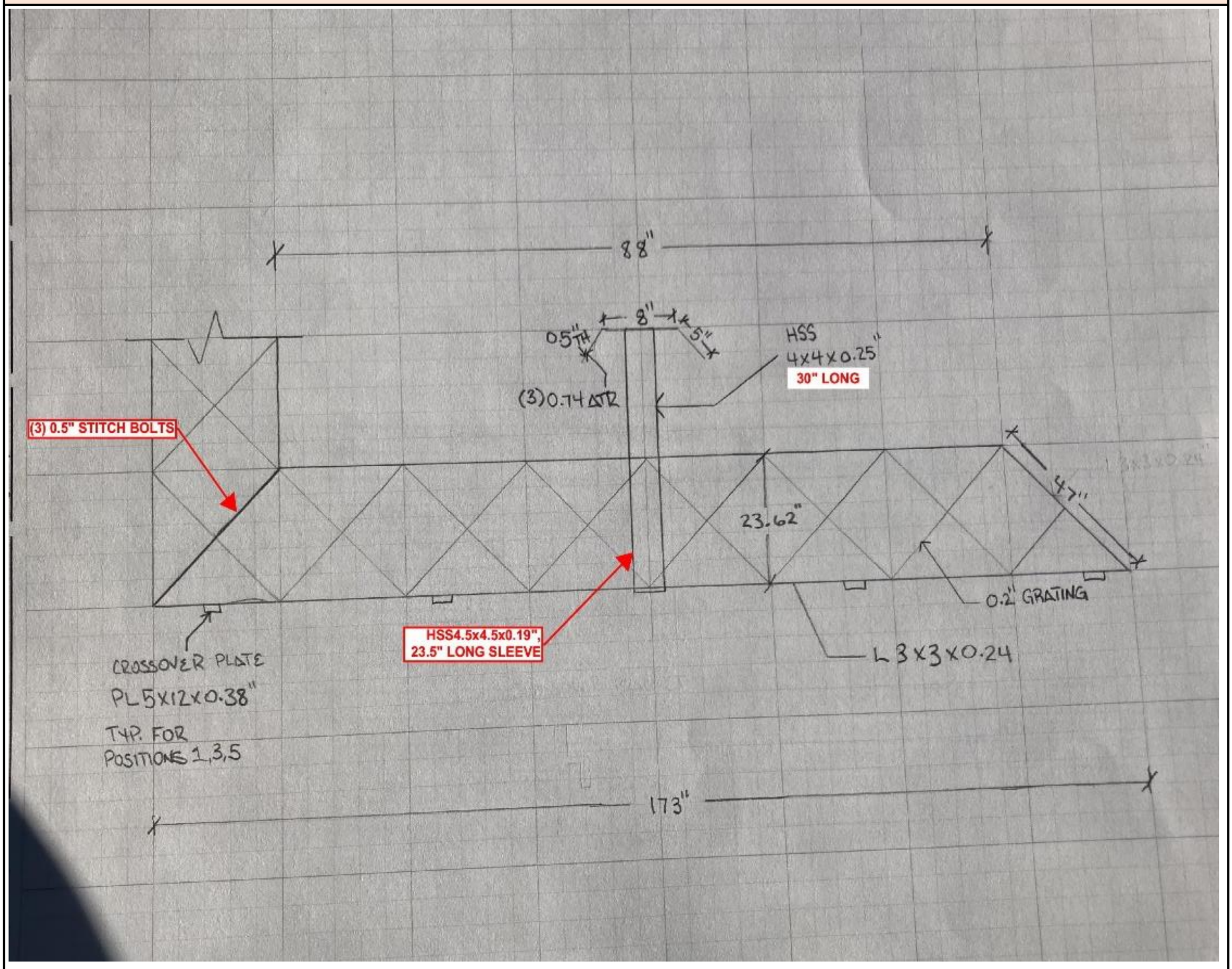
V3.0 Updated on 8-31-2020

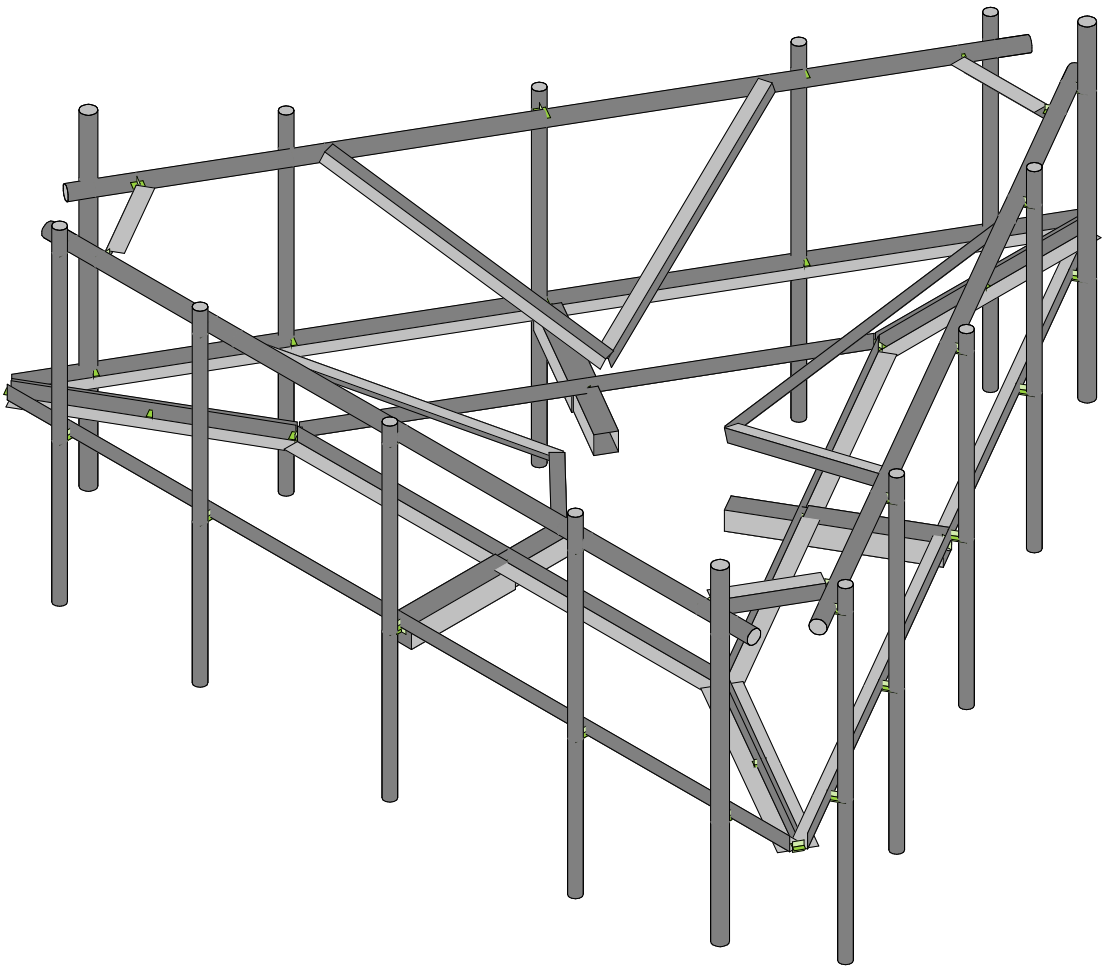
Antenna Mount Mapping Form (PATENT PENDING)

FCC #	

Tower Owner:	CROWN CASTLE	**Mapping Date:**	1/16/2021
Site Name:	WEST HAVEN 3	**Tower Type:**	MONOPOLE
Site Number or ID:		**Tower Height (Ft.):**	
Mapping Contractor:	LEVEL-UP TOWERS	**Mount Elevation (Ft.):**	119

Please Insert Sketches of the Antenna Mount





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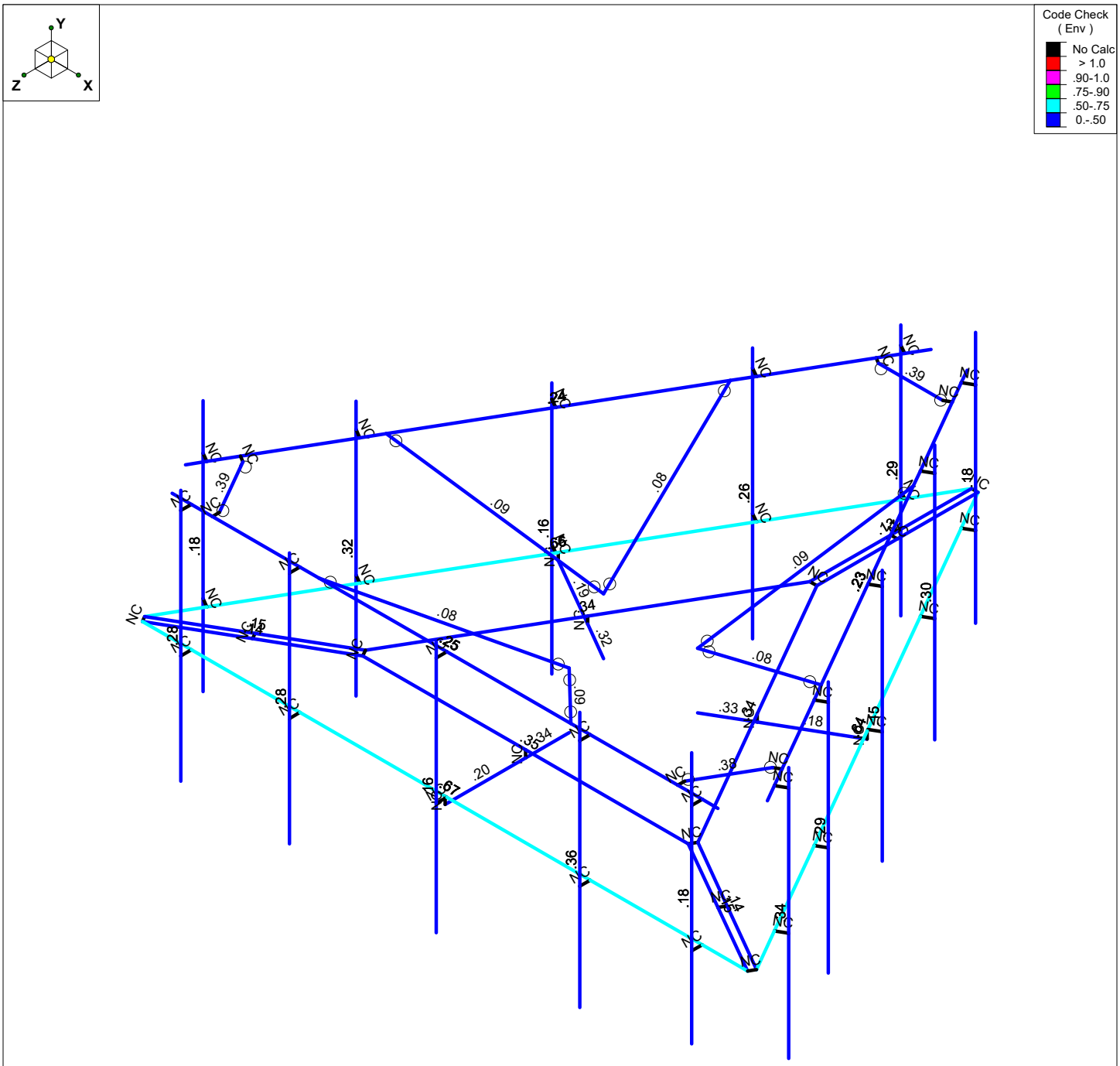

Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

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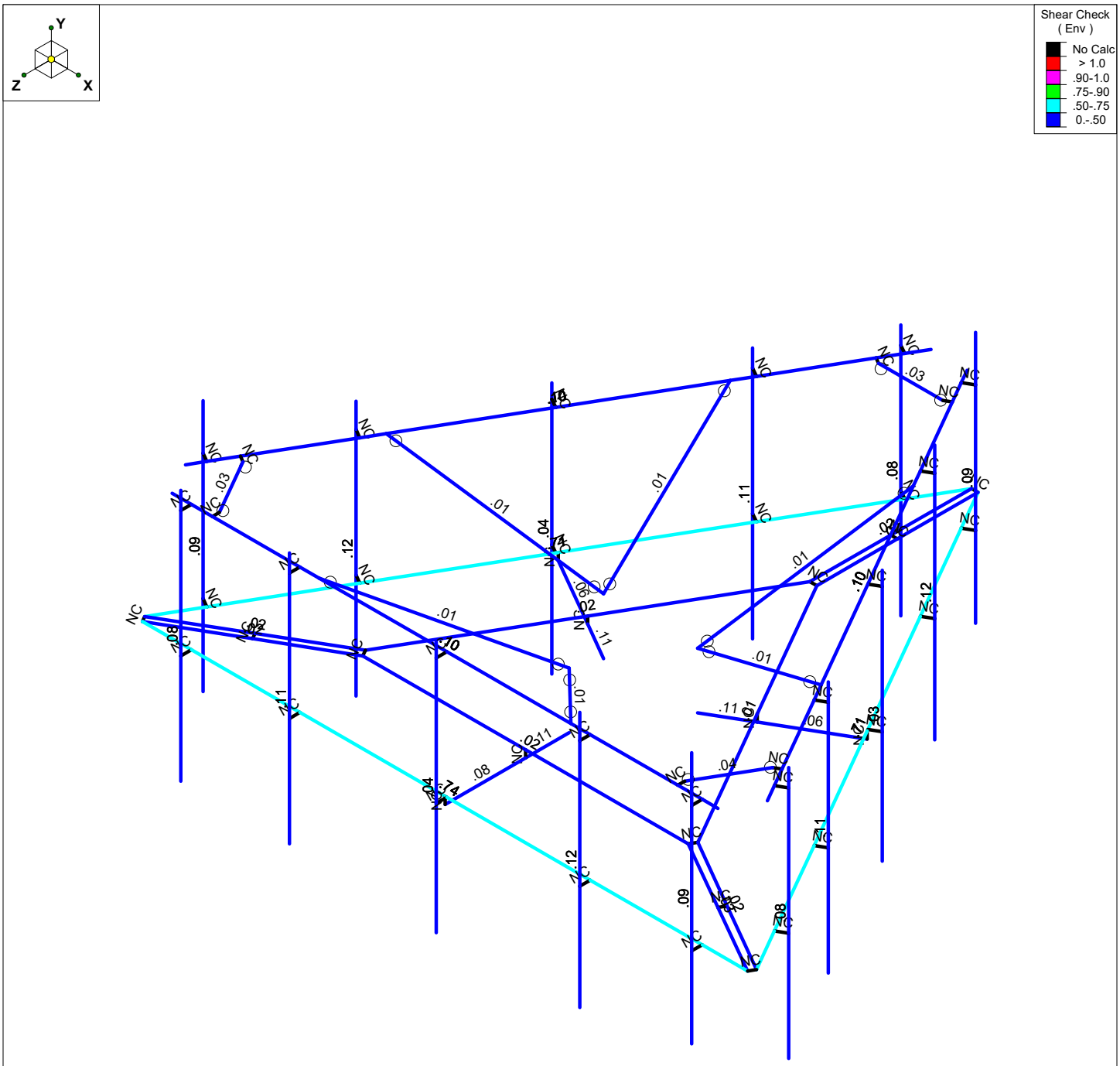

Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

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		May 3, 2021 at 5:22 PM
		MOD_469064-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					102			
2	Antenna Di	None					102			
3	Antenna Wo (0 Deg)	None					102			
4	Antenna Wo (30 Deg)	None					102			
5	Antenna Wo (60 Deg)	None					102			
6	Antenna Wo (90 Deg)	None					102			
7	Antenna Wo (120 Deg)	None					102			
8	Antenna Wo (150 Deg)	None					102			
9	Antenna Wo (180 Deg)	None					102			
10	Antenna Wo (210 Deg)	None					102			
11	Antenna Wo (240 Deg)	None					102			
12	Antenna Wo (270 Deg)	None					102			
13	Antenna Wo (300 Deg)	None					102			
14	Antenna Wo (330 Deg)	None					102			
15	Antenna Wi (0 Deg)	None					102			
16	Antenna Wi (30 Deg)	None					102			
17	Antenna Wi (60 Deg)	None					102			
18	Antenna Wi (90 Deg)	None					102			
19	Antenna Wi (120 Deg)	None					102			
20	Antenna Wi (150 Deg)	None					102			
21	Antenna Wi (180 Deg)	None					102			
22	Antenna Wi (210 Deg)	None					102			
23	Antenna Wi (240 Deg)	None					102			
24	Antenna Wi (270 Deg)	None					102			
25	Antenna Wi (300 Deg)	None					102			
26	Antenna Wi (330 Deg)	None					102			
27	Antenna Wm (0 Deg)	None					102			
28	Antenna Wm (30 Deg)	None					102			
29	Antenna Wm (60 Deg)	None					102			
30	Antenna Wm (90 Deg)	None					102			
31	Antenna Wm (120 Deg)	None					102			
32	Antenna Wm (150 Deg)	None					102			
33	Antenna Wm (180 Deg)	None					102			
34	Antenna Wm (210 Deg)	None					102			
35	Antenna Wm (240 Deg)	None					102			
36	Antenna Wm (270 Deg)	None					102			
37	Antenna Wm (300 Deg)	None					102			
38	Antenna Wm (330 Deg)	None					102			
39	Structure D	None		-1					3	
40	Structure Di	None						42	3	
41	Structure Wo (0 Deg)	None						84		
42	Structure Wo (30 Deg)	None						84		
43	Structure Wo (60 Deg)	None						84		
44	Structure Wo (90 Deg)	None						84		
45	Structure Wo (120 D...	None						84		
46	Structure Wo (150 D...	None						84		
47	Structure Wo (180 D...	None						84		
48	Structure Wo (210 D...	None						84		
49	Structure Wo (240 D...	None						84		
50	Structure Wo (270 D...	None						84		
51	Structure Wo (300 D...	None						84		
52	Structure Wo (330 D...	None						84		
53	Structure Wi (0 Deg)	None						84		
54	Structure Wi (30 Deg)	None						84		
55	Structure Wi (60 Deg)	None						84		
56	Structure Wi (90 Deg)	None						84		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						84		
58	Structure Wi (150 De...	None						84		
59	Structure Wi (180 De...	None						84		
60	Structure Wi (210 De...	None						84		
61	Structure Wi (240 De...	None						84		
62	Structure Wi (270 De...	None						84		
63	Structure Wi (300 De...	None						84		
64	Structure Wi (330 De...	None						84		
65	Structure Wm (0 Deg)	None						84		
66	Structure Wm (30 De...	None						84		
67	Structure Wm (60 De...	None						84		
68	Structure Wm (90 De...	None						84		
69	Structure Wm (120 D...	None						84		
70	Structure Wm (150 D...	None						84		
71	Structure Wm (180 D...	None						84		
72	Structure Wm (210 D...	None						84		
73	Structure Wm (240 D...	None						84		
74	Structure Wm (270 D...	None						84		
75	Structure Wm (300 D...	None						84		
76	Structure Wm (330 D...	None						84		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						54		
82	BLC 40 Transient Are...	None						36		

Load Combinations

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

Load Combinations (Continued)

	Description	Sol...	PD...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic M...		Y		1	1	39	1																
53	1.2D + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866										

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N1	0	-2	51	0	
2	N2	86.5	0	51	0	
3	N3	-86.5	0	51	0	
4	N4	0	0	28	0	
5	N5	46.5	0	28	0	
6	N6	-46.5	0	28	0	
7	N7	0	-2	15.5	0	
8	N8	0	0	0	0	
9	N23A	0	0	51	0	
10	N26	0	-2	28	0	
11	N11	44.167296	-2	-25.5	0	
12	N12	0.917296	0	-100.411197	0	
13	N13	87.417296	0	49.411197	0	
14	N14	24.248711	0	-14	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
15	N15	0.998711	0	-54.270181	0	
16	N16	47.498711	0	26.270181	0	
17	N17	13.423394	-2	-7.75	0	
18	N19	44.167296	0	-25.5	0	
19	N20	24.248711	-2	-14	0	
20	N21	-44.167296	-2	-25.5	0	
21	N22	-87.417296	0	49.411197	0	
22	N23	-0.917296	0	-100.411197	0	
23	N24	-24.248711	0	-14.	0	
24	N25	-47.498711	0	26.270181	0	
25	N26A	-0.998711	0	-54.270181	0	
26	N27	-13.423394	-2	-7.75	0	
27	N29	-44.167296	0	-25.5	0	
28	N30	-24.248711	-2	-14.	0	
29	N29A	66.5	0	39.5	0	
30	N30A	-66.5	0	39.5	0	
31	N31	0.958003	0	-77.340689	0	
32	N32	67.458003	0	37.840689	0	
33	N33	-67.458003	0	37.840689	0	
34	N34	-0.958003	0	-77.340689	0	
35	N35	73.5	0	51	0	
36	N36	73.5	0	54	0	
37	N37	41.5	0	51	0	
38	N38	41.5	0	54	0	
39	N39	0.5	0	51	0	
40	N40	0.5	0	54	0	
41	N41	-41.5	0	51	0	
42	N42	-41.5	0	54	0	
43	N43	-72.5	0	51	0	
44	N44	-72.5	0	54	0	
45	N45	73.5	49	54	0	
46	N46	73.5	-23	54	0	
47	N47	41.5	43	54	0	
48	N48	41.5	-30	54	0	
49	N49	0.5	40	54	0	
50	N50	0.5	-32	54	0	
51	N51	-41.5	41	54	0	
52	N52	-41.5	-31	54	0	
53	N53	-72.5	41	54	0	
54	N54	-72.5	-31	54	0	
55	N56	7.417296	0	-89.152867	0	
56	N57	10.015372	0	-90.652867	0	
57	N58	23.417296	0	-61.440054	0	
58	N59	26.015372	0	-62.940054	0	
59	N60	43.917296	0	-25.933013	0	
60	N61	46.515372	0	-27.433013	0	
61	N62	64.917296	0	10.440054	0	
62	N63	67.515372	0	8.940054	0	
63	N64	80.417296	0	37.286842	0	
64	N65	83.015372	0	35.786842	0	
65	N66	10.015372	49	-90.652867	0	
66	N67	10.015372	-23	-90.652867	0	
67	N68	26.015372	43	-62.940054	0	
68	N69	26.015372	-30	-62.940054	0	
69	N70	46.515372	40	-27.433013	0	
70	N71	46.515372	-32	-27.433013	0	
71	N72	67.515372	41	8.940054	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
72	N73	67.515372	-31	8.940054	0	
73	N74	83.015372	41	35.786842	0	
74	N75	83.015372	-31	35.786842	0	
75	N77	-80.917296	0	38.152867	0	
76	N78	-83.515372	0	36.652867	0	
77	N79	-64.917296	0	10.440054	0	
78	N80	-67.515372	0	8.940054	0	
79	N81	-44.417296	0	-25.066987	0	
80	N82	-47.015372	0	-26.566987	0	
81	N83	-23.417296	0	-61.440054	0	
82	N84	-26.015372	0	-62.940054	0	
83	N85	-7.917296	0	-88.286842	0	
84	N86	-10.515372	0	-89.786842	0	
85	N87	-83.515372	49	36.652867	0	
86	N88	-83.515372	-23	36.652867	0	
87	N89	-67.515372	43	8.940054	0	
88	N90	-67.515372	-30	8.940054	0	
89	N91	-47.015372	40	-26.566987	0	
90	N92	-47.015372	-32	-26.566987	0	
91	N93	-26.015372	41	-62.940054	0	
92	N94	-26.015372	-31	-62.940054	0	
93	N95	-10.515372	41	-89.786842	0	
94	N96	-10.515372	-31	-89.786842	0	
95	N95A	78	36	51	0	
96	N96A	-78	36	51	0	
97	N97	73.5	36	51	0	
98	N98	73.5	36	54	0	
99	N99	41.5	36	51	0	
100	N100	41.5	36	54	0	
101	N101	0.5	36	51	0	
102	N102	0.5	36	54	0	
103	N103	-41.5	36	51	0	
104	N104	-41.5	36	54	0	
105	N105	-72.5	36	51	0	
106	N106	-72.5	36	54	0	
107	N107	-66.5	36	51	0	
108	N108	-66.5	36	49	0	
109	N109	66.5	36	51	0	
110	N110	66.5	36	49	0	
111	N111	5.167296	36	-93.049981	0	
112	N112	83.167296	36	42.049981	0	
113	N113	7.417296	36	-89.152867	0	
114	N114	10.015372	36	-90.652867	0	
115	N115	23.417296	36	-61.440054	0	
116	N116	26.015372	36	-62.940054	0	
117	N117	43.917296	36	-25.933013	0	
118	N118	46.515372	36	-27.433013	0	
119	N119	64.917296	36	10.440054	0	
120	N120	67.515372	36	8.940054	0	
121	N121	80.417296	36	37.286842	0	
122	N122	83.015372	36	35.786842	0	
123	N127	-83.167296	36	42.049981	0	
124	N128	-5.167296	36	-93.049981	0	
125	N129	-80.917296	36	38.152867	0	
126	N130	-83.515372	36	36.652867	0	
127	N131	-64.917296	36	10.440054	0	
128	N132	-67.515372	36	8.940054	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
129	N133	-44.417296	36	-25.066987	0	
130	N134	-47.015372	36	-26.566987	0	
131	N135	-23.417296	36	-61.440054	0	
132	N136	-26.015372	36	-62.940054	0	
133	N137	-7.917296	36	-88.286842	0	
134	N138	-10.515372	36	-89.786842	0	
135	N143	0	14	15.5	0	
136	N144	-36	36	51	0	
137	N146	36	36	51	0	
138	N146A	13.423394	14	-7.75	0	
139	N147	62.167296	36	5.676915	0	
140	N148	26.167296	36	-56.676915	0	
141	N149	-13.423394	14	-7.75	0	
142	N150	-26.167296	36	-56.676915	0	
143	N151	-62.167296	36	5.676915	0	
144	N144A	77.417296	36	32.090689	0	
145	N145	75.685245	36	33.090689	0	
146	N146B	10.917296	36	-83.090689	0	
147	N147A	9.185245	36	-82.090689	0	
148	N148A	-10.917296	36	-83.090689	0	
149	N149A	-9.185245	36	-82.090689	0	
150	N150A	-77.417296	36	32.090689	0	
151	N151A	-75.685245	36	33.090689	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Back Standoff HSS	HSS4X4X4	Beam	Tube	A500 Gr. ...	Typical	3.37	7.8	7.8	12.8
2	Platform Angle	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
3	Mounp Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
4	Front Standoff HSS	HSS4.5X...	Beam	Tube	A500 Gr. ...	Typical	2.93	9.02	9.02	14.4
5	Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
6	Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
7	Kicker	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical	.901	.535	.535	.011
8	Replacement Pipe	PIPE_2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N2		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
2	M2	N2	N5		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
3	M3	N5	N6		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
4	M4	N6	N3		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
5	M5	N7	N26			Back Standoff ...	Beam	Tube	A500 Gr. ...	Typical
6	M22	N23A	N1			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
7	M23	N4	N26			RIGID	None	None	RIGID	Typical
8	M8	N26	N1			Front Standoff ...	Beam	Tube	A500 Gr. ...	Typical
9	M9	N13	N12		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
10	M10	N12	N15		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
11	M11	N15	N16		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
12	M12	N16	N13		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
13	M13	N17	N20			Back Standoff ...	Beam	Tube	A500 Gr. ...	Typical
14	M14	N19	N11			RIGID	None	None	RIGID	Typical
15	M15	N14	N20			RIGID	None	None	RIGID	Typical
16	M16	N20	N11			Front Standoff ...	Beam	Tube	A500 Gr. ...	Typical
17	M17	N23	N22		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
18	M18	N22	N25		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
19	M19	N25	N26A		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
20	M20	N26A	N23		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
21	M21	N27	N30			Back Standoff ...	Beam	Tube	A500 Gr. ...	Typical
22	M22A	N29	N21			RIGID	None	None	RIGID	Typical
23	M23A	N24	N30			RIGID	None	None	RIGID	Typical
24	M24	N30	N21			Front Standoff ...	Beam	Tube	A500 Gr. ...	Typical
25	M25	N12	N23			RIGID	None	None	RIGID	Typical
26	M26	N31	N34			RIGID	None	None	RIGID	Typical
27	M27	N15	N26A			RIGID	None	None	RIGID	Typical
28	M28	N25	N6			RIGID	None	None	RIGID	Typical
29	M29	N33	N30A			RIGID	None	None	RIGID	Typical
30	M30	N22	N3			RIGID	None	None	RIGID	Typical
31	M31	N16	N5			RIGID	None	None	RIGID	Typical
32	M32	N32	N29A			RIGID	None	None	RIGID	Typical
33	M33	N13	N2			RIGID	None	None	RIGID	Typical
34	M34	N35	N36			RIGID	None	None	RIGID	Typical
35	M35	N37	N38			RIGID	None	None	RIGID	Typical
36	M36	N39	N40			RIGID	None	None	RIGID	Typical
37	M37	N41	N42			RIGID	None	None	RIGID	Typical
38	M38	N43	N44			RIGID	None	None	RIGID	Typical
39	MP1A	N45	N46			Replacement ...	Column	Pipe	A53 Gr. B	Typical
40	MP2A	N47	N48			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
41	MP3A	N49	N50			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
42	MP4A	N51	N52			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
43	MP5A	N53	N54			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
44	M44	N56	N57			RIGID	None	None	RIGID	Typical
45	M45	N58	N59			RIGID	None	None	RIGID	Typical
46	M46	N60	N61			RIGID	None	None	RIGID	Typical
47	M47	N62	N63			RIGID	None	None	RIGID	Typical
48	M48	N64	N65			RIGID	None	None	RIGID	Typical
49	MP1C	N66	N67			Replacement ...	Column	Pipe	A53 Gr. B	Typical
50	MP2C	N68	N69			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
51	MP3C	N70	N71			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
52	MP4C	N72	N73			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
53	MP5C	N74	N75			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
54	M54	N77	N78			RIGID	None	None	RIGID	Typical
55	M55	N79	N80			RIGID	None	None	RIGID	Typical
56	M56	N81	N82			RIGID	None	None	RIGID	Typical
57	M57	N83	N84			RIGID	None	None	RIGID	Typical
58	M58	N85	N86			RIGID	None	None	RIGID	Typical
59	MP1B	N87	N88			Replacement ...	Column	Pipe	A53 Gr. B	Typical
60	MP2B	N89	N90			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
61	MP3B	N91	N92			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
62	MP4B	N93	N94			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical
63	MP5B	N95	N96			Mounp Pipe	Column	Pipe	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
64	M64	N97	N98			RIGID	None	None	RIGID	Typical
65	M65	N99	N100			RIGID	None	None	RIGID	Typical
66	M66	N101	N102			RIGID	None	None	RIGID	Typical
67	M67	N103	N104			RIGID	None	None	RIGID	Typical
68	M68	N105	N106			RIGID	None	None	RIGID	Typical
69	M69	N96A	N95A			Support Rail	Beam	Pipe	A53 Gr. B	Typical
70	M70	N107	N108			RIGID	None	None	RIGID	Typical
71	M71	N109	N110			RIGID	None	None	RIGID	Typical
72	M72	N113	N114			RIGID	None	None	RIGID	Typical
73	M73	N115	N116			RIGID	None	None	RIGID	Typical
74	M74	N117	N118			RIGID	None	None	RIGID	Typical
75	M75	N119	N120			RIGID	None	None	RIGID	Typical
76	M76	N121	N122			RIGID	None	None	RIGID	Typical
77	M77	N112	N111			Support Rail	Beam	Pipe	A53 Gr. B	Typical
78	M80	N129	N130			RIGID	None	None	RIGID	Typical
79	M81	N131	N132			RIGID	None	None	RIGID	Typical
80	M82	N133	N134			RIGID	None	None	RIGID	Typical
81	M83	N135	N136			RIGID	None	None	RIGID	Typical
82	M84	N137	N138			RIGID	None	None	RIGID	Typical
83	M85	N128	N127			Support Rail	Beam	Pipe	A53 Gr. B	Typical
84	M91	N144	N143		90	Kicker	Beam	Single Angle	A36 Gr.36	Typical
85	M92	N146	N143		180	Kicker	Beam	Single Angle	A36 Gr.36	Typical
86	M93	N147	N146A		90	Kicker	Beam	Single Angle	A36 Gr.36	Typical
87	M94	N148	N146A		180	Kicker	Beam	Single Angle	A36 Gr.36	Typical
88	M95	N150	N149		90	Kicker	Beam	Single Angle	A36 Gr.36	Typical
89	M96	N151	N149		180	Kicker	Beam	Single Angle	A36 Gr.36	Typical
90	M90	N144A	N145			RIGID	None	None	RIGID	Typical
91	M91A	N146B	N147A			RIGID	None	None	RIGID	Typical
92	M92A	N148A	N149A			RIGID	None	None	RIGID	Typical
93	M93A	N150A	N151A			RIGID	None	None	RIGID	Typical
94	M94A	N108	N151A		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
95	M95A	N145	N110		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
96	M96A	N149A	N147A		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp top[in]	Lcomp bot[in]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Platform An...	173			Lbyy						Lateral
2	M2	Platform An...	46.141			Lbyy						Lateral
3	M3	Platform An...	93			Lbyy						Lateral
4	M4	Platform An...	46.141			Lbyy						Lateral
5	M5	Back Stand...	12.5			Lbyy						Lateral
6	M8	Front Stand...	23			Lbyy						Lateral
7	M9	Platform An...	173			Lbyy						Lateral
8	M10	Platform An...	46.141			Lbyy						Lateral
9	M11	Platform An...	93			Lbyy						Lateral
10	M12	Platform An...	46.141			Lbyy						Lateral
11	M13	Back Stand...	12.5			Lbyy						Lateral
12	M16	Front Stand...	23			Lbyy						Lateral
13	M17	Platform An...	173			Lbyy						Lateral
14	M18	Platform An...	46.141			Lbyy						Lateral
15	M19	Platform An...	93			Lbyy						Lateral
16	M20	Platform An...	46.141			Lbyy						Lateral
17	M21	Back Stand...	12.5			Lbyy						Lateral
18	M24	Front Stand...	23			Lbyy						Lateral
19	MP1A	Replaceme...	72									Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp top[in]	Lcomp bot[in]	L-torqu...	Kyy	Kzz	Cb	Function
20	MP2A	Mounp Pipe	73									Lateral
21	MP3A	Mounp Pipe	72									Lateral
22	MP4A	Mounp Pipe	72									Lateral
23	MP5A	Mounp Pipe	72									Lateral
24	MP1C	Replaceme...	72									Lateral
25	MP2C	Mounp Pipe	73									Lateral
26	MP3C	Mounp Pipe	72									Lateral
27	MP4C	Mounp Pipe	72									Lateral
28	MP5C	Mounp Pipe	72									Lateral
29	MP1B	Replaceme...	72									Lateral
30	MP2B	Mounp Pipe	73									Lateral
31	MP3B	Mounp Pipe	72									Lateral
32	MP4B	Mounp Pipe	72									Lateral
33	MP5B	Mounp Pipe	72									Lateral
34	M69	Support Rail	156			Lbyy						Lateral
35	M77	Support Rail	156			Lbyy						Lateral
36	M85	Support Rail	156			Lbyy						Lateral
37	M91	Kicker	55.138			Lbyy						Lateral
38	M92	Kicker	55.138			Lbyy						Lateral
39	M93	Kicker	55.138			Lbyy						Lateral
40	M94	Kicker	55.138			Lbyy						Lateral
41	M95	Kicker	55.138			Lbyy						Lateral
42	M96	Kicker	55.138			Lbyy						Lateral
43	M94A	Support Rail...	18.37			Lbyy						Lateral
44	M95A	Support Rail...	18.37			Lbyy						Lateral
45	M96A	Support Rail...	18.37			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	Y	-31.65	6
2	MP1A	My	-.016	6
3	MP1A	Mz	.018	6
4	MP1A	Y	-31.65	66
5	MP1A	My	-.016	66
6	MP1A	Mz	.018	66
7	MP1B	Y	-31.65	6
8	MP1B	My	-.008	6
9	MP1B	Mz	-.023	6
10	MP1B	Y	-31.65	66
11	MP1B	My	-.008	66
12	MP1B	Mz	-.023	66
13	MP1C	Y	-31.65	6
14	MP1C	My	.024	6
15	MP1C	Mz	.004	6
16	MP1C	Y	-31.65	66
17	MP1C	My	.024	66
18	MP1C	Mz	.004	66
19	MP1A	Y	-31.65	6
20	MP1A	My	-.016	6
21	MP1A	Mz	-.018	6
22	MP1A	Y	-31.65	66
23	MP1A	My	-.016	66
24	MP1A	Mz	-.018	66
25	MP1B	Y	-31.65	6
26	MP1B	My	.024	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
27	MP1B	Mz	-.004	6
28	MP1B	Y	-31.65	66
29	MP1B	My	.024	66
30	MP1B	Mz	-.004	66
31	MP1C	Y	-31.65	6
32	MP1C	My	-.008	6
33	MP1C	Mz	.023	6
34	MP1C	Y	-31.65	66
35	MP1C	My	-.008	66
36	MP1C	Mz	.023	66
37	MP3A	Y	-43.55	24
38	MP3A	My	-.022	24
39	MP3A	Mz	0	24
40	MP3A	Y	-43.55	48
41	MP3A	My	-.022	48
42	MP3A	Mz	0	48
43	MP3B	Y	-43.55	24
44	MP3B	My	.011	24
45	MP3B	Mz	-.019	24
46	MP3B	Y	-43.55	48
47	MP3B	My	.011	48
48	MP3B	Mz	-.019	48
49	MP3C	Y	-43.55	24
50	MP3C	My	.011	24
51	MP3C	Mz	.019	24
52	MP3C	Y	-43.55	48
53	MP3C	My	.011	48
54	MP3C	Mz	.019	48
55	MP1A	Y	-10.4	12
56	MP1A	My	.005	12
57	MP1A	Mz	0	12
58	MP1B	Y	-10.4	12
59	MP1B	My	-.003	12
60	MP1B	Mz	.005	12
61	MP1C	Y	-10.4	12
62	MP1C	My	-.003	12
63	MP1C	Mz	-.005	12
64	MP1A	Y	-84.4	30
65	MP1A	My	.042	30
66	MP1A	Mz	0	30
67	MP1B	Y	-84.4	30
68	MP1B	My	-.021	30
69	MP1B	Mz	.037	30
70	MP1C	Y	-84.4	30
71	MP1C	My	-.021	30
72	MP1C	Mz	-.037	30
73	MP2A	Y	-70.3	24
74	MP2A	My	.035	24
75	MP2A	Mz	0	24
76	MP2B	Y	-70.3	24
77	MP2B	My	-.018	24
78	MP2B	Mz	.03	24
79	MP2C	Y	-70.3	24
80	MP2C	My	-.018	24
81	MP2C	Mz	-.03	24
82	MP4A	Y	-32	18
83	MP4A	My	.016	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
84	MP4A	Mz	0	18
85	MP5A	Y	-4.95	18
86	MP5A	My	-.002	18
87	MP5A	Mz	0	18
88	MP5A	Y	-4.95	54
89	MP5A	My	-.002	54
90	MP5A	Mz	0	54
91	MP5B	Y	-4.95	18
92	MP5B	My	.001	18
93	MP5B	Mz	-.002	18
94	MP5B	Y	-4.95	54
95	MP5B	My	.001	54
96	MP5B	Mz	-.002	54
97	MP5C	Y	-7.45	3
98	MP5C	My	.002	3
99	MP5C	Mz	.003	3
100	MP5C	Y	-7.45	69
101	MP5C	My	.002	69
102	MP5C	Mz	.003	69

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	Y	-68.812	6
2	MP1A	My	-.034	6
3	MP1A	Mz	.04	6
4	MP1A	Y	-68.812	66
5	MP1A	My	-.034	66
6	MP1A	Mz	.04	66
7	MP1B	Y	-68.812	6
8	MP1B	My	-.018	6
9	MP1B	Mz	-.05	6
10	MP1B	Y	-68.812	66
11	MP1B	My	-.018	66
12	MP1B	Mz	-.05	66
13	MP1C	Y	-68.812	6
14	MP1C	My	.052	6
15	MP1C	Mz	.01	6
16	MP1C	Y	-68.812	66
17	MP1C	My	.052	66
18	MP1C	Mz	.01	66
19	MP1A	Y	-68.812	6
20	MP1A	My	-.034	6
21	MP1A	Mz	-.04	6
22	MP1A	Y	-68.812	66
23	MP1A	My	-.034	66
24	MP1A	Mz	-.04	66
25	MP1B	Y	-68.812	6
26	MP1B	My	.052	6
27	MP1B	Mz	-.01	6
28	MP1B	Y	-68.812	66
29	MP1B	My	.052	66
30	MP1B	Mz	-.01	66
31	MP1C	Y	-68.812	6
32	MP1C	My	-.018	6
33	MP1C	Mz	.05	6
34	MP1C	Y	-68.812	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
35	MP1C	My	-.018	66
36	MP1C	Mz	.05	66
37	MP3A	Y	-35.025	24
38	MP3A	My	-.018	24
39	MP3A	Mz	0	24
40	MP3A	Y	-35.025	48
41	MP3A	My	-.018	48
42	MP3A	Mz	0	48
43	MP3B	Y	-35.025	24
44	MP3B	My	.009	24
45	MP3B	Mz	-.015	24
46	MP3B	Y	-35.025	48
47	MP3B	My	.009	48
48	MP3B	Mz	-.015	48
49	MP3C	Y	-35.025	24
50	MP3C	My	.009	24
51	MP3C	Mz	.015	24
52	MP3C	Y	-35.025	48
53	MP3C	My	.009	48
54	MP3C	Mz	.015	48
55	MP1A	Y	-10.539	12
56	MP1A	My	.005	12
57	MP1A	Mz	0	12
58	MP1B	Y	-10.539	12
59	MP1B	My	-.003	12
60	MP1B	Mz	.005	12
61	MP1C	Y	-10.539	12
62	MP1C	My	-.003	12
63	MP1C	Mz	-.005	12
64	MP1A	Y	-44.147	30
65	MP1A	My	.022	30
66	MP1A	Mz	0	30
67	MP1B	Y	-44.147	30
68	MP1B	My	-.011	30
69	MP1B	Mz	.019	30
70	MP1C	Y	-44.147	30
71	MP1C	My	-.011	30
72	MP1C	Mz	-.019	30
73	MP2A	Y	-39.697	24
74	MP2A	My	.02	24
75	MP2A	Mz	0	24
76	MP2B	Y	-39.697	24
77	MP2B	My	-.01	24
78	MP2B	Mz	.017	24
79	MP2C	Y	-39.697	24
80	MP2C	My	-.01	24
81	MP2C	Mz	-.017	24
82	MP4A	Y	-74.706	18
83	MP4A	My	.037	18
84	MP4A	Mz	0	18
85	MP5A	Y	-34.638	18
86	MP5A	My	-.017	18
87	MP5A	Mz	0	18
88	MP5A	Y	-34.638	54
89	MP5A	My	-.017	54
90	MP5A	Mz	0	54
91	MP5B	Y	-34.638	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
92	MP5B	My	.009	18
93	MP5B	Mz	-.015	18
94	MP5B	Y	-34.638	54
95	MP5B	My	.009	54
96	MP5B	Mz	-.015	54
97	MP5C	Y	-48.793	3
98	MP5C	My	.012	3
99	MP5C	Mz	.021	3
100	MP5C	Y	-48.793	69
101	MP5C	My	.012	69
102	MP5C	Mz	.021	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	6
2	MP1A	Z	-187.41	6
3	MP1A	Mx	-.109	6
4	MP1A	X	0	66
5	MP1A	Z	-187.41	66
6	MP1A	Mx	-.109	66
7	MP1B	X	0	6
8	MP1B	Z	-139.169	6
9	MP1B	Mx	.101	6
10	MP1B	X	0	66
11	MP1B	Z	-139.169	66
12	MP1B	Mx	.101	66
13	MP1C	X	0	6
14	MP1C	Z	-139.169	6
15	MP1C	Mx	-.02	6
16	MP1C	X	0	66
17	MP1C	Z	-139.169	66
18	MP1C	Mx	-.02	66
19	MP1A	X	0	6
20	MP1A	Z	-187.41	6
21	MP1A	Mx	.109	6
22	MP1A	X	0	66
23	MP1A	Z	-187.41	66
24	MP1A	Mx	.109	66
25	MP1B	X	0	6
26	MP1B	Z	-139.169	6
27	MP1B	Mx	.02	6
28	MP1B	X	0	66
29	MP1B	Z	-139.169	66
30	MP1B	Mx	.02	66
31	MP1C	X	0	6
32	MP1C	Z	-139.169	6
33	MP1C	Mx	-.101	6
34	MP1C	X	0	66
35	MP1C	Z	-139.169	66
36	MP1C	Mx	-.101	66
37	MP3A	X	0	24
38	MP3A	Z	-96.688	24
39	MP3A	Mx	0	24
40	MP3A	X	0	48
41	MP3A	Z	-96.688	48
42	MP3A	Mx	0	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
43	MP3B	X	0	24
44	MP3B	Z	-52.562	24
45	MP3B	Mx	.023	24
46	MP3B	X	0	48
47	MP3B	Z	-52.562	48
48	MP3B	Mx	.023	48
49	MP3C	X	0	24
50	MP3C	Z	-52.562	24
51	MP3C	Mx	-.023	24
52	MP3C	X	0	48
53	MP3C	Z	-52.562	48
54	MP3C	Mx	-.023	48
55	MP1A	X	0	12
56	MP1A	Z	-15.223	12
57	MP1A	Mx	0	12
58	MP1B	X	0	12
59	MP1B	Z	-11.705	12
60	MP1B	Mx	-.005	12
61	MP1C	X	0	12
62	MP1C	Z	-11.705	12
63	MP1C	Mx	.005	12
64	MP1A	X	0	30
65	MP1A	Z	-76.939	30
66	MP1A	Mx	0	30
67	MP1B	X	0	30
68	MP1B	Z	-57.807	30
69	MP1B	Mx	-.025	30
70	MP1C	X	0	30
71	MP1C	Z	-57.807	30
72	MP1C	Mx	.025	30
73	MP2A	X	0	24
74	MP2A	Z	-76.939	24
75	MP2A	Mx	0	24
76	MP2B	X	0	24
77	MP2B	Z	-50.478	24
78	MP2B	Mx	-.022	24
79	MP2C	X	0	24
80	MP2C	Z	-50.478	24
81	MP2C	Mx	.022	24
82	MP4A	X	0	18
83	MP4A	Z	-155.935	18
84	MP4A	Mx	0	18
85	MP5A	X	0	18
86	MP5A	Z	-97.099	18
87	MP5A	Mx	0	18
88	MP5A	X	0	54
89	MP5A	Z	-97.099	54
90	MP5A	Mx	0	54
91	MP5B	X	0	18
92	MP5B	Z	-61.925	18
93	MP5B	Mx	.027	18
94	MP5B	X	0	54
95	MP5B	Z	-61.925	54
96	MP5B	Mx	.027	54
97	MP5C	X	0	3
98	MP5C	Z	-97.033	3
99	MP5C	Mx	-.042	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
100	MP5C	X	0	69
101	MP5C	Z	-97.033	69
102	MP5C	Mx	-.042	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	85.665	6
2	MP1A	Z	-148.376	6
3	MP1A	Mx	-.129	6
4	MP1A	X	85.665	66
5	MP1A	Z	-148.376	66
6	MP1A	Mx	-.129	66
7	MP1B	X	61.544	6
8	MP1B	Z	-106.598	6
9	MP1B	Mx	.062	6
10	MP1B	X	61.544	66
11	MP1B	Z	-106.598	66
12	MP1B	Mx	.062	66
13	MP1C	X	85.665	6
14	MP1C	Z	-148.376	6
15	MP1C	Mx	.044	6
16	MP1C	X	85.665	66
17	MP1C	Z	-148.376	66
18	MP1C	Mx	.044	66
19	MP1A	X	85.665	6
20	MP1A	Z	-148.376	6
21	MP1A	Mx	.044	6
22	MP1A	X	85.665	66
23	MP1A	Z	-148.376	66
24	MP1A	Mx	.044	66
25	MP1B	X	61.544	6
26	MP1B	Z	-106.598	6
27	MP1B	Mx	.062	6
28	MP1B	X	61.544	66
29	MP1B	Z	-106.598	66
30	MP1B	Mx	.062	66
31	MP1C	X	85.665	6
32	MP1C	Z	-148.376	6
33	MP1C	Mx	-.129	6
34	MP1C	X	85.665	66
35	MP1C	Z	-148.376	66
36	MP1C	Mx	-.129	66
37	MP3A	X	40.99	24
38	MP3A	Z	-70.996	24
39	MP3A	Mx	-.02	24
40	MP3A	X	40.99	48
41	MP3A	Z	-70.996	48
42	MP3A	Mx	-.02	48
43	MP3B	X	18.927	24
44	MP3B	Z	-32.782	24
45	MP3B	Mx	.019	24
46	MP3B	X	18.927	48
47	MP3B	Z	-32.782	48
48	MP3B	Mx	.019	48
49	MP3C	X	40.99	24
50	MP3C	Z	-70.996	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
51	MP3C	Mx	-.02	24
52	MP3C	X	40.99	48
53	MP3C	Z	-70.996	48
54	MP3C	Mx	-.02	48
55	MP1A	X	7.025	12
56	MP1A	Z	-12.168	12
57	MP1A	Mx	.004	12
58	MP1B	X	5.266	12
59	MP1B	Z	-9.122	12
60	MP1B	Mx	-.005	12
61	MP1C	X	7.025	12
62	MP1C	Z	-12.168	12
63	MP1C	Mx	.004	12
64	MP1A	X	35.281	30
65	MP1A	Z	-61.108	30
66	MP1A	Mx	.018	30
67	MP1B	X	25.715	30
68	MP1B	Z	-44.539	30
69	MP1B	Mx	-.026	30
70	MP1C	X	35.281	30
71	MP1C	Z	-61.108	30
72	MP1C	Mx	.018	30
73	MP2A	X	34.059	24
74	MP2A	Z	-58.993	24
75	MP2A	Mx	.017	24
76	MP2B	X	20.829	24
77	MP2B	Z	-36.077	24
78	MP2B	Mx	-.021	24
79	MP2C	X	34.059	24
80	MP2C	Z	-58.993	24
81	MP2C	Mx	.017	24
82	MP4A	X	71.378	18
83	MP4A	Z	-123.63	18
84	MP4A	Mx	.036	18
85	MP5A	X	42.687	18
86	MP5A	Z	-73.937	18
87	MP5A	Mx	-.021	18
88	MP5A	X	42.687	54
89	MP5A	Z	-73.937	54
90	MP5A	Mx	-.021	54
91	MP5B	X	25.1	18
92	MP5B	Z	-43.475	18
93	MP5B	Mx	.025	18
94	MP5B	X	25.1	54
95	MP5B	Z	-43.475	54
96	MP5B	Mx	.025	54
97	MP5C	X	68.151	3
98	MP5C	Z	-118.04	3
99	MP5C	Mx	-.034	3
100	MP5C	X	68.151	69
101	MP5C	Z	-118.04	69
102	MP5C	Mx	-.034	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	120.524	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
2	MP1A	Z	-69.584	6
3	MP1A	Mx	-.101	6
4	MP1A	X	120.524	66
5	MP1A	Z	-69.584	66
6	MP1A	Mx	-.101	66
7	MP1B	X	120.524	6
8	MP1B	Z	-69.584	6
9	MP1B	Mx	.02	6
10	MP1B	X	120.524	66
11	MP1B	Z	-69.584	66
12	MP1B	Mx	.02	66
13	MP1C	X	162.302	6
14	MP1C	Z	-93.705	6
15	MP1C	Mx	.109	6
16	MP1C	X	162.302	66
17	MP1C	Z	-93.705	66
18	MP1C	Mx	.109	66
19	MP1A	X	120.524	6
20	MP1A	Z	-69.584	6
21	MP1A	Mx	-.02	6
22	MP1A	X	120.524	66
23	MP1A	Z	-69.584	66
24	MP1A	Mx	-.02	66
25	MP1B	X	120.524	6
26	MP1B	Z	-69.584	6
27	MP1B	Mx	.101	6
28	MP1B	X	120.524	66
29	MP1B	Z	-69.584	66
30	MP1B	Mx	.101	66
31	MP1C	X	162.302	6
32	MP1C	Z	-93.705	6
33	MP1C	Mx	-.109	6
34	MP1C	X	162.302	66
35	MP1C	Z	-93.705	66
36	MP1C	Mx	-.109	66
37	MP3A	X	45.52	24
38	MP3A	Z	-26.281	24
39	MP3A	Mx	-.023	24
40	MP3A	X	45.52	48
41	MP3A	Z	-26.281	48
42	MP3A	Mx	-.023	48
43	MP3B	X	45.52	24
44	MP3B	Z	-26.281	24
45	MP3B	Mx	.023	24
46	MP3B	X	45.52	48
47	MP3B	Z	-26.281	48
48	MP3B	Mx	.023	48
49	MP3C	X	83.734	24
50	MP3C	Z	-48.344	24
51	MP3C	Mx	0	24
52	MP3C	X	83.734	48
53	MP3C	Z	-48.344	48
54	MP3C	Mx	0	48
55	MP1A	X	10.137	12
56	MP1A	Z	-5.853	12
57	MP1A	Mx	.005	12
58	MP1B	X	10.137	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
59	MP1B	Z	-5.853	12
60	MP1B	Mx	-.005	12
61	MP1C	X	13.184	12
62	MP1C	Z	-7.612	12
63	MP1C	Mx	0	12
64	MP1A	X	50.062	30
65	MP1A	Z	-28.904	30
66	MP1A	Mx	.025	30
67	MP1B	X	50.062	30
68	MP1B	Z	-28.904	30
69	MP1B	Mx	-.025	30
70	MP1C	X	66.631	30
71	MP1C	Z	-38.469	30
72	MP1C	Mx	0	30
73	MP2A	X	43.716	24
74	MP2A	Z	-25.239	24
75	MP2A	Mx	.022	24
76	MP2B	X	43.716	24
77	MP2B	Z	-25.239	24
78	MP2B	Mx	-.022	24
79	MP2C	X	66.631	24
80	MP2C	Z	-38.469	24
81	MP2C	Mx	0	24
82	MP4A	X	100.802	18
83	MP4A	Z	-58.198	18
84	MP4A	Mx	.05	18
85	MP5A	X	53.629	18
86	MP5A	Z	-30.962	18
87	MP5A	Mx	-.027	18
88	MP5A	X	53.629	54
89	MP5A	Z	-30.962	54
90	MP5A	Mx	-.027	54
91	MP5B	X	53.629	18
92	MP5B	Z	-30.962	18
93	MP5B	Mx	.027	18
94	MP5B	X	53.629	54
95	MP5B	Z	-30.962	54
96	MP5B	Mx	.027	54
97	MP5C	X	135.044	3
98	MP5C	Z	-77.968	3
99	MP5C	Mx	0	3
100	MP5C	X	135.044	69
101	MP5C	Z	-77.968	69
102	MP5C	Mx	0	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	123.089	6
2	MP1A	Z	0	6
3	MP1A	Mx	-.062	6
4	MP1A	X	123.089	66
5	MP1A	Z	0	66
6	MP1A	Mx	-.062	66
7	MP1B	X	171.33	6
8	MP1B	Z	0	6
9	MP1B	Mx	-.044	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
10	MP1B	X	171.33	66
11	MP1B	Z	0	66
12	MP1B	Mx	-.044	66
13	MP1C	X	171.33	6
14	MP1C	Z	0	6
15	MP1C	Mx	.129	6
16	MP1C	X	171.33	66
17	MP1C	Z	0	66
18	MP1C	Mx	.129	66
19	MP1A	X	123.089	6
20	MP1A	Z	0	6
21	MP1A	Mx	-.062	6
22	MP1A	X	123.089	66
23	MP1A	Z	0	66
24	MP1A	Mx	-.062	66
25	MP1B	X	171.33	6
26	MP1B	Z	0	6
27	MP1B	Mx	.129	6
28	MP1B	X	171.33	66
29	MP1B	Z	0	66
30	MP1B	Mx	.129	66
31	MP1C	X	171.33	6
32	MP1C	Z	0	6
33	MP1C	Mx	-.044	6
34	MP1C	X	171.33	66
35	MP1C	Z	0	66
36	MP1C	Mx	-.044	66
37	MP3A	X	37.853	24
38	MP3A	Z	0	24
39	MP3A	Mx	-.019	24
40	MP3A	X	37.853	48
41	MP3A	Z	0	48
42	MP3A	Mx	-.019	48
43	MP3B	X	81.979	24
44	MP3B	Z	0	24
45	MP3B	Mx	.02	24
46	MP3B	X	81.979	48
47	MP3B	Z	0	48
48	MP3B	Mx	.02	48
49	MP3C	X	81.979	24
50	MP3C	Z	0	24
51	MP3C	Mx	.02	24
52	MP3C	X	81.979	48
53	MP3C	Z	0	48
54	MP3C	Mx	.02	48
55	MP1A	X	10.533	12
56	MP1A	Z	0	12
57	MP1A	Mx	.005	12
58	MP1B	X	14.051	12
59	MP1B	Z	0	12
60	MP1B	Mx	-.004	12
61	MP1C	X	14.051	12
62	MP1C	Z	0	12
63	MP1C	Mx	-.004	12
64	MP1A	X	51.43	30
65	MP1A	Z	0	30
66	MP1A	Mx	.026	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
67	MP1B	X	70.562	30
68	MP1B	Z	0	30
69	MP1B	Mx	-.018	30
70	MP1C	X	70.562	30
71	MP1C	Z	0	30
72	MP1C	Mx	-.018	30
73	MP2A	X	41.658	24
74	MP2A	Z	0	24
75	MP2A	Mx	.021	24
76	MP2B	X	68.119	24
77	MP2B	Z	0	24
78	MP2B	Mx	-.017	24
79	MP2C	X	68.119	24
80	MP2C	Z	0	24
81	MP2C	Mx	-.017	24
82	MP4A	X	103.217	18
83	MP4A	Z	0	18
84	MP4A	Mx	.052	18
85	MP5A	X	50.2	18
86	MP5A	Z	0	18
87	MP5A	Mx	-.025	18
88	MP5A	X	50.2	54
89	MP5A	Z	0	54
90	MP5A	Mx	-.025	54
91	MP5B	X	85.375	18
92	MP5B	Z	0	18
93	MP5B	Mx	.021	18
94	MP5B	X	85.375	54
95	MP5B	Z	0	54
96	MP5B	Mx	.021	54
97	MP5C	X	136.301	3
98	MP5C	Z	0	3
99	MP5C	Mx	.034	3
100	MP5C	X	136.301	69
101	MP5C	Z	0	69
102	MP5C	Mx	.034	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	120.524	6
2	MP1A	Z	69.584	6
3	MP1A	Mx	-.02	6
4	MP1A	X	120.524	66
5	MP1A	Z	69.584	66
6	MP1A	Mx	-.02	66
7	MP1B	X	162.302	6
8	MP1B	Z	93.705	6
9	MP1B	Mx	-.109	6
10	MP1B	X	162.302	66
11	MP1B	Z	93.705	66
12	MP1B	Mx	-.109	66
13	MP1C	X	120.524	6
14	MP1C	Z	69.584	6
15	MP1C	Mx	.101	6
16	MP1C	X	120.524	66
17	MP1C	Z	69.584	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
18	MP1C	Mx	.101	66
19	MP1A	X	120.524	6
20	MP1A	Z	69.584	6
21	MP1A	Mx	-.101	6
22	MP1A	X	120.524	66
23	MP1A	Z	69.584	66
24	MP1A	Mx	-.101	66
25	MP1B	X	162.302	6
26	MP1B	Z	93.705	6
27	MP1B	Mx	.109	6
28	MP1B	X	162.302	66
29	MP1B	Z	93.705	66
30	MP1B	Mx	.109	66
31	MP1C	X	120.524	6
32	MP1C	Z	69.584	6
33	MP1C	Mx	.02	6
34	MP1C	X	120.524	66
35	MP1C	Z	69.584	66
36	MP1C	Mx	.02	66
37	MP3A	X	45.52	24
38	MP3A	Z	26.281	24
39	MP3A	Mx	-.023	24
40	MP3A	X	45.52	48
41	MP3A	Z	26.281	48
42	MP3A	Mx	-.023	48
43	MP3B	X	83.734	24
44	MP3B	Z	48.344	24
45	MP3B	Mx	0	24
46	MP3B	X	83.734	48
47	MP3B	Z	48.344	48
48	MP3B	Mx	0	48
49	MP3C	X	45.52	24
50	MP3C	Z	26.281	24
51	MP3C	Mx	.023	24
52	MP3C	X	45.52	48
53	MP3C	Z	26.281	48
54	MP3C	Mx	.023	48
55	MP1A	X	10.137	12
56	MP1A	Z	5.853	12
57	MP1A	Mx	.005	12
58	MP1B	X	13.184	12
59	MP1B	Z	7.612	12
60	MP1B	Mx	0	12
61	MP1C	X	10.137	12
62	MP1C	Z	5.853	12
63	MP1C	Mx	-.005	12
64	MP1A	X	50.062	30
65	MP1A	Z	28.904	30
66	MP1A	Mx	.025	30
67	MP1B	X	66.631	30
68	MP1B	Z	38.469	30
69	MP1B	Mx	0	30
70	MP1C	X	50.062	30
71	MP1C	Z	28.904	30
72	MP1C	Mx	-.025	30
73	MP2A	X	43.716	24
74	MP2A	Z	25.239	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
75	MP2A	Mx	.022	24
76	MP2B	X	66.631	24
77	MP2B	Z	38.469	24
78	MP2B	Mx	0	24
79	MP2C	X	43.716	24
80	MP2C	Z	25.239	24
81	MP2C	Mx	-.022	24
82	MP4A	X	100.802	18
83	MP4A	Z	58.198	18
84	MP4A	Mx	.05	18
85	MP5A	X	53.629	18
86	MP5A	Z	30.962	18
87	MP5A	Mx	-.027	18
88	MP5A	X	53.629	54
89	MP5A	Z	30.962	54
90	MP5A	Mx	-.027	54
91	MP5B	X	84.091	18
92	MP5B	Z	48.55	18
93	MP5B	Mx	0	18
94	MP5B	X	84.091	54
95	MP5B	Z	48.55	54
96	MP5B	Mx	0	54
97	MP5C	X	84.033	3
98	MP5C	Z	48.517	3
99	MP5C	Mx	.042	3
100	MP5C	X	84.033	69
101	MP5C	Z	48.517	69
102	MP5C	Mx	.042	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	85.665	6
2	MP1A	Z	148.376	6
3	MP1A	Mx	.044	6
4	MP1A	X	85.665	66
5	MP1A	Z	148.376	66
6	MP1A	Mx	.044	66
7	MP1B	X	85.665	6
8	MP1B	Z	148.376	6
9	MP1B	Mx	-.129	6
10	MP1B	X	85.665	66
11	MP1B	Z	148.376	66
12	MP1B	Mx	-.129	66
13	MP1C	X	61.544	6
14	MP1C	Z	106.598	6
15	MP1C	Mx	.062	6
16	MP1C	X	61.544	66
17	MP1C	Z	106.598	66
18	MP1C	Mx	.062	66
19	MP1A	X	85.665	6
20	MP1A	Z	148.376	6
21	MP1A	Mx	-.129	6
22	MP1A	X	85.665	66
23	MP1A	Z	148.376	66
24	MP1A	Mx	-.129	66
25	MP1B	X	85.665	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP1B	Z	148.376	6
27	MP1B	Mx	.044	6
28	MP1B	X	85.665	66
29	MP1B	Z	148.376	66
30	MP1B	Mx	.044	66
31	MP1C	X	61.544	6
32	MP1C	Z	106.598	6
33	MP1C	Mx	.062	6
34	MP1C	X	61.544	66
35	MP1C	Z	106.598	66
36	MP1C	Mx	.062	66
37	MP3A	X	40.99	24
38	MP3A	Z	70.996	24
39	MP3A	Mx	-.02	24
40	MP3A	X	40.99	48
41	MP3A	Z	70.996	48
42	MP3A	Mx	-.02	48
43	MP3B	X	40.99	24
44	MP3B	Z	70.996	24
45	MP3B	Mx	-.02	24
46	MP3B	X	40.99	48
47	MP3B	Z	70.996	48
48	MP3B	Mx	-.02	48
49	MP3C	X	18.927	24
50	MP3C	Z	32.782	24
51	MP3C	Mx	.019	24
52	MP3C	X	18.927	48
53	MP3C	Z	32.782	48
54	MP3C	Mx	.019	48
55	MP1A	X	7.025	12
56	MP1A	Z	12.168	12
57	MP1A	Mx	.004	12
58	MP1B	X	7.025	12
59	MP1B	Z	12.168	12
60	MP1B	Mx	.004	12
61	MP1C	X	5.266	12
62	MP1C	Z	9.122	12
63	MP1C	Mx	-.005	12
64	MP1A	X	35.281	30
65	MP1A	Z	61.108	30
66	MP1A	Mx	.018	30
67	MP1B	X	35.281	30
68	MP1B	Z	61.108	30
69	MP1B	Mx	.018	30
70	MP1C	X	25.715	30
71	MP1C	Z	44.539	30
72	MP1C	Mx	-.026	30
73	MP2A	X	34.059	24
74	MP2A	Z	58.993	24
75	MP2A	Mx	.017	24
76	MP2B	X	34.059	24
77	MP2B	Z	58.993	24
78	MP2B	Mx	.017	24
79	MP2C	X	20.829	24
80	MP2C	Z	36.077	24
81	MP2C	Mx	-.021	24
82	MP4A	X	71.378	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
83	MP4A	Z	123.63	18
84	MP4A	Mx	.036	18
85	MP5A	X	42.687	18
86	MP5A	Z	73.937	18
87	MP5A	Mx	-.021	18
88	MP5A	X	42.687	54
89	MP5A	Z	73.937	54
90	MP5A	Mx	-.021	54
91	MP5B	X	42.687	18
92	MP5B	Z	73.937	18
93	MP5B	Mx	-.021	18
94	MP5B	X	42.687	54
95	MP5B	Z	73.937	54
96	MP5B	Mx	-.021	54
97	MP5C	X	38.7	3
98	MP5C	Z	67.03	3
99	MP5C	Mx	.039	3
100	MP5C	X	38.7	69
101	MP5C	Z	67.03	69
102	MP5C	Mx	.039	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	6
2	MP1A	Z	187.41	6
3	MP1A	Mx	.109	6
4	MP1A	X	0	66
5	MP1A	Z	187.41	66
6	MP1A	Mx	.109	66
7	MP1B	X	0	6
8	MP1B	Z	139.169	6
9	MP1B	Mx	-.101	6
10	MP1B	X	0	66
11	MP1B	Z	139.169	66
12	MP1B	Mx	-.101	66
13	MP1C	X	0	6
14	MP1C	Z	139.169	6
15	MP1C	Mx	.02	6
16	MP1C	X	0	66
17	MP1C	Z	139.169	66
18	MP1C	Mx	.02	66
19	MP1A	X	0	6
20	MP1A	Z	187.41	6
21	MP1A	Mx	-.109	6
22	MP1A	X	0	66
23	MP1A	Z	187.41	66
24	MP1A	Mx	-.109	66
25	MP1B	X	0	6
26	MP1B	Z	139.169	6
27	MP1B	Mx	-.02	6
28	MP1B	X	0	66
29	MP1B	Z	139.169	66
30	MP1B	Mx	-.02	66
31	MP1C	X	0	6
32	MP1C	Z	139.169	6
33	MP1C	Mx	.101	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
34	MP1C	X	0	66
35	MP1C	Z	139.169	66
36	MP1C	Mx	.101	66
37	MP3A	X	0	24
38	MP3A	Z	96.688	24
39	MP3A	Mx	0	24
40	MP3A	X	0	48
41	MP3A	Z	96.688	48
42	MP3A	Mx	0	48
43	MP3B	X	0	24
44	MP3B	Z	52.562	24
45	MP3B	Mx	-.023	24
46	MP3B	X	0	48
47	MP3B	Z	52.562	48
48	MP3B	Mx	-.023	48
49	MP3C	X	0	24
50	MP3C	Z	52.562	24
51	MP3C	Mx	.023	24
52	MP3C	X	0	48
53	MP3C	Z	52.562	48
54	MP3C	Mx	.023	48
55	MP1A	X	0	12
56	MP1A	Z	15.223	12
57	MP1A	Mx	0	12
58	MP1B	X	0	12
59	MP1B	Z	11.705	12
60	MP1B	Mx	.005	12
61	MP1C	X	0	12
62	MP1C	Z	11.705	12
63	MP1C	Mx	-.005	12
64	MP1A	X	0	30
65	MP1A	Z	76.939	30
66	MP1A	Mx	0	30
67	MP1B	X	0	30
68	MP1B	Z	57.807	30
69	MP1B	Mx	.025	30
70	MP1C	X	0	30
71	MP1C	Z	57.807	30
72	MP1C	Mx	-.025	30
73	MP2A	X	0	24
74	MP2A	Z	76.939	24
75	MP2A	Mx	0	24
76	MP2B	X	0	24
77	MP2B	Z	50.478	24
78	MP2B	Mx	.022	24
79	MP2C	X	0	24
80	MP2C	Z	50.478	24
81	MP2C	Mx	-.022	24
82	MP4A	X	0	18
83	MP4A	Z	155.935	18
84	MP4A	Mx	0	18
85	MP5A	X	0	18
86	MP5A	Z	97.099	18
87	MP5A	Mx	0	18
88	MP5A	X	0	54
89	MP5A	Z	97.099	54
90	MP5A	Mx	0	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
91	MP5B	X	0	18
92	MP5B	Z	61.925	18
93	MP5B	Mx	-.027	18
94	MP5B	X	0	54
95	MP5B	Z	61.925	54
96	MP5B	Mx	-.027	54
97	MP5C	X	0	3
98	MP5C	Z	97.033	3
99	MP5C	Mx	.042	3
100	MP5C	X	0	69
101	MP5C	Z	97.033	69
102	MP5C	Mx	.042	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-85.665	6
2	MP1A	Z	148.376	6
3	MP1A	Mx	.129	6
4	MP1A	X	-85.665	66
5	MP1A	Z	148.376	66
6	MP1A	Mx	.129	66
7	MP1B	X	-61.544	6
8	MP1B	Z	106.598	6
9	MP1B	Mx	-.062	6
10	MP1B	X	-61.544	66
11	MP1B	Z	106.598	66
12	MP1B	Mx	-.062	66
13	MP1C	X	-85.665	6
14	MP1C	Z	148.376	6
15	MP1C	Mx	-.044	6
16	MP1C	X	-85.665	66
17	MP1C	Z	148.376	66
18	MP1C	Mx	-.044	66
19	MP1A	X	-85.665	6
20	MP1A	Z	148.376	6
21	MP1A	Mx	-.044	6
22	MP1A	X	-85.665	66
23	MP1A	Z	148.376	66
24	MP1A	Mx	-.044	66
25	MP1B	X	-61.544	6
26	MP1B	Z	106.598	6
27	MP1B	Mx	-.062	6
28	MP1B	X	-61.544	66
29	MP1B	Z	106.598	66
30	MP1B	Mx	-.062	66
31	MP1C	X	-85.665	6
32	MP1C	Z	148.376	6
33	MP1C	Mx	.129	6
34	MP1C	X	-85.665	66
35	MP1C	Z	148.376	66
36	MP1C	Mx	.129	66
37	MP3A	X	-40.99	24
38	MP3A	Z	70.996	24
39	MP3A	Mx	.02	24
40	MP3A	X	-40.99	48
41	MP3A	Z	70.996	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
42	MP3A	Mx	.02	48
43	MP3B	X	-18.927	24
44	MP3B	Z	32.782	24
45	MP3B	Mx	-.019	24
46	MP3B	X	-18.927	48
47	MP3B	Z	32.782	48
48	MP3B	Mx	-.019	48
49	MP3C	X	-40.99	24
50	MP3C	Z	70.996	24
51	MP3C	Mx	.02	24
52	MP3C	X	-40.99	48
53	MP3C	Z	70.996	48
54	MP3C	Mx	.02	48
55	MP1A	X	-7.025	12
56	MP1A	Z	12.168	12
57	MP1A	Mx	-.004	12
58	MP1B	X	-5.266	12
59	MP1B	Z	9.122	12
60	MP1B	Mx	.005	12
61	MP1C	X	-7.025	12
62	MP1C	Z	12.168	12
63	MP1C	Mx	-.004	12
64	MP1A	X	-35.281	30
65	MP1A	Z	61.108	30
66	MP1A	Mx	-.018	30
67	MP1B	X	-25.715	30
68	MP1B	Z	44.539	30
69	MP1B	Mx	.026	30
70	MP1C	X	-35.281	30
71	MP1C	Z	61.108	30
72	MP1C	Mx	-.018	30
73	MP2A	X	-34.059	24
74	MP2A	Z	58.993	24
75	MP2A	Mx	-.017	24
76	MP2B	X	-20.829	24
77	MP2B	Z	36.077	24
78	MP2B	Mx	.021	24
79	MP2C	X	-34.059	24
80	MP2C	Z	58.993	24
81	MP2C	Mx	-.017	24
82	MP4A	X	-71.378	18
83	MP4A	Z	123.63	18
84	MP4A	Mx	-.036	18
85	MP5A	X	-42.687	18
86	MP5A	Z	73.937	18
87	MP5A	Mx	.021	18
88	MP5A	X	-42.687	54
89	MP5A	Z	73.937	54
90	MP5A	Mx	.021	54
91	MP5B	X	-25.1	18
92	MP5B	Z	43.475	18
93	MP5B	Mx	-.025	18
94	MP5B	X	-25.1	54
95	MP5B	Z	43.475	54
96	MP5B	Mx	-.025	54
97	MP5C	X	-68.151	3
98	MP5C	Z	118.04	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
99	MP5C	Mx	.034	3
100	MP5C	X	-68.151	69
101	MP5C	Z	118.04	69
102	MP5C	Mx	.034	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-120.524	6
2	MP1A	Z	69.584	6
3	MP1A	Mx	.101	6
4	MP1A	X	-120.524	66
5	MP1A	Z	69.584	66
6	MP1A	Mx	.101	66
7	MP1B	X	-120.524	6
8	MP1B	Z	69.584	6
9	MP1B	Mx	-.02	6
10	MP1B	X	-120.524	66
11	MP1B	Z	69.584	66
12	MP1B	Mx	-.02	66
13	MP1C	X	-162.302	6
14	MP1C	Z	93.705	6
15	MP1C	Mx	-.109	6
16	MP1C	X	-162.302	66
17	MP1C	Z	93.705	66
18	MP1C	Mx	-.109	66
19	MP1A	X	-120.524	6
20	MP1A	Z	69.584	6
21	MP1A	Mx	.02	6
22	MP1A	X	-120.524	66
23	MP1A	Z	69.584	66
24	MP1A	Mx	.02	66
25	MP1B	X	-120.524	6
26	MP1B	Z	69.584	6
27	MP1B	Mx	-.101	6
28	MP1B	X	-120.524	66
29	MP1B	Z	69.584	66
30	MP1B	Mx	-.101	66
31	MP1C	X	-162.302	6
32	MP1C	Z	93.705	6
33	MP1C	Mx	.109	6
34	MP1C	X	-162.302	66
35	MP1C	Z	93.705	66
36	MP1C	Mx	.109	66
37	MP3A	X	-45.52	24
38	MP3A	Z	26.281	24
39	MP3A	Mx	.023	24
40	MP3A	X	-45.52	48
41	MP3A	Z	26.281	48
42	MP3A	Mx	.023	48
43	MP3B	X	-45.52	24
44	MP3B	Z	26.281	24
45	MP3B	Mx	-.023	24
46	MP3B	X	-45.52	48
47	MP3B	Z	26.281	48
48	MP3B	Mx	-.023	48
49	MP3C	X	-83.734	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
50	MP3C	Z	48.344	24
51	MP3C	Mx	0	24
52	MP3C	X	-83.734	48
53	MP3C	Z	48.344	48
54	MP3C	Mx	0	48
55	MP1A	X	-10.137	12
56	MP1A	Z	5.853	12
57	MP1A	Mx	-.005	12
58	MP1B	X	-10.137	12
59	MP1B	Z	5.853	12
60	MP1B	Mx	.005	12
61	MP1C	X	-13.184	12
62	MP1C	Z	7.612	12
63	MP1C	Mx	0	12
64	MP1A	X	-50.062	30
65	MP1A	Z	28.904	30
66	MP1A	Mx	-.025	30
67	MP1B	X	-50.062	30
68	MP1B	Z	28.904	30
69	MP1B	Mx	.025	30
70	MP1C	X	-66.631	30
71	MP1C	Z	38.469	30
72	MP1C	Mx	0	30
73	MP2A	X	-43.716	24
74	MP2A	Z	25.239	24
75	MP2A	Mx	-.022	24
76	MP2B	X	-43.716	24
77	MP2B	Z	25.239	24
78	MP2B	Mx	.022	24
79	MP2C	X	-66.631	24
80	MP2C	Z	38.469	24
81	MP2C	Mx	0	24
82	MP4A	X	-100.802	18
83	MP4A	Z	58.198	18
84	MP4A	Mx	-.05	18
85	MP5A	X	-53.629	18
86	MP5A	Z	30.962	18
87	MP5A	Mx	.027	18
88	MP5A	X	-53.629	54
89	MP5A	Z	30.962	54
90	MP5A	Mx	.027	54
91	MP5B	X	-53.629	18
92	MP5B	Z	30.962	18
93	MP5B	Mx	-.027	18
94	MP5B	X	-53.629	54
95	MP5B	Z	30.962	54
96	MP5B	Mx	-.027	54
97	MP5C	X	-135.044	3
98	MP5C	Z	77.968	3
99	MP5C	Mx	0	3
100	MP5C	X	-135.044	69
101	MP5C	Z	77.968	69
102	MP5C	Mx	0	69

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-123.089	6
2	MP1A	Z	0	6
3	MP1A	Mx	.062	6
4	MP1A	X	-123.089	66
5	MP1A	Z	0	66
6	MP1A	Mx	.062	66
7	MP1B	X	-171.33	6
8	MP1B	Z	0	6
9	MP1B	Mx	.044	6
10	MP1B	X	-171.33	66
11	MP1B	Z	0	66
12	MP1B	Mx	.044	66
13	MP1C	X	-171.33	6
14	MP1C	Z	0	6
15	MP1C	Mx	-.129	6
16	MP1C	X	-171.33	66
17	MP1C	Z	0	66
18	MP1C	Mx	-.129	66
19	MP1A	X	-123.089	6
20	MP1A	Z	0	6
21	MP1A	Mx	.062	6
22	MP1A	X	-123.089	66
23	MP1A	Z	0	66
24	MP1A	Mx	.062	66
25	MP1B	X	-171.33	6
26	MP1B	Z	0	6
27	MP1B	Mx	-.129	6
28	MP1B	X	-171.33	66
29	MP1B	Z	0	66
30	MP1B	Mx	-.129	66
31	MP1C	X	-171.33	6
32	MP1C	Z	0	6
33	MP1C	Mx	.044	6
34	MP1C	X	-171.33	66
35	MP1C	Z	0	66
36	MP1C	Mx	.044	66
37	MP3A	X	-37.853	24
38	MP3A	Z	0	24
39	MP3A	Mx	.019	24
40	MP3A	X	-37.853	48
41	MP3A	Z	0	48
42	MP3A	Mx	.019	48
43	MP3B	X	-81.979	24
44	MP3B	Z	0	24
45	MP3B	Mx	-.02	24
46	MP3B	X	-81.979	48
47	MP3B	Z	0	48
48	MP3B	Mx	-.02	48
49	MP3C	X	-81.979	24
50	MP3C	Z	0	24
51	MP3C	Mx	-.02	24
52	MP3C	X	-81.979	48
53	MP3C	Z	0	48
54	MP3C	Mx	-.02	48
55	MP1A	X	-10.533	12
56	MP1A	Z	0	12
57	MP1A	Mx	-.005	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1B	X	-14.051	12
59	MP1B	Z	0	12
60	MP1B	Mx	.004	12
61	MP1C	X	-14.051	12
62	MP1C	Z	0	12
63	MP1C	Mx	.004	12
64	MP1A	X	-51.43	30
65	MP1A	Z	0	30
66	MP1A	Mx	-.026	30
67	MP1B	X	-70.562	30
68	MP1B	Z	0	30
69	MP1B	Mx	.018	30
70	MP1C	X	-70.562	30
71	MP1C	Z	0	30
72	MP1C	Mx	.018	30
73	MP2A	X	-41.658	24
74	MP2A	Z	0	24
75	MP2A	Mx	-.021	24
76	MP2B	X	-68.119	24
77	MP2B	Z	0	24
78	MP2B	Mx	.017	24
79	MP2C	X	-68.119	24
80	MP2C	Z	0	24
81	MP2C	Mx	.017	24
82	MP4A	X	-103.217	18
83	MP4A	Z	0	18
84	MP4A	Mx	-.052	18
85	MP5A	X	-50.2	18
86	MP5A	Z	0	18
87	MP5A	Mx	.025	18
88	MP5A	X	-50.2	54
89	MP5A	Z	0	54
90	MP5A	Mx	.025	54
91	MP5B	X	-85.375	18
92	MP5B	Z	0	18
93	MP5B	Mx	-.021	18
94	MP5B	X	-85.375	54
95	MP5B	Z	0	54
96	MP5B	Mx	-.021	54
97	MP5C	X	-136.301	3
98	MP5C	Z	0	3
99	MP5C	Mx	-.034	3
100	MP5C	X	-136.301	69
101	MP5C	Z	0	69
102	MP5C	Mx	-.034	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-120.524	6
2	MP1A	Z	-69.584	6
3	MP1A	Mx	.02	6
4	MP1A	X	-120.524	66
5	MP1A	Z	-69.584	66
6	MP1A	Mx	.02	66
7	MP1B	X	-162.302	6
8	MP1B	Z	-93.705	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP1B	Mx	.109	6
10	MP1B	X	-162.302	66
11	MP1B	Z	-93.705	66
12	MP1B	Mx	.109	66
13	MP1C	X	-120.524	6
14	MP1C	Z	-69.584	6
15	MP1C	Mx	-.101	6
16	MP1C	X	-120.524	66
17	MP1C	Z	-69.584	66
18	MP1C	Mx	-.101	66
19	MP1A	X	-120.524	6
20	MP1A	Z	-69.584	6
21	MP1A	Mx	.101	6
22	MP1A	X	-120.524	66
23	MP1A	Z	-69.584	66
24	MP1A	Mx	.101	66
25	MP1B	X	-162.302	6
26	MP1B	Z	-93.705	6
27	MP1B	Mx	-.109	6
28	MP1B	X	-162.302	66
29	MP1B	Z	-93.705	66
30	MP1B	Mx	-.109	66
31	MP1C	X	-120.524	6
32	MP1C	Z	-69.584	6
33	MP1C	Mx	-.02	6
34	MP1C	X	-120.524	66
35	MP1C	Z	-69.584	66
36	MP1C	Mx	-.02	66
37	MP3A	X	-45.52	24
38	MP3A	Z	-26.281	24
39	MP3A	Mx	.023	24
40	MP3A	X	-45.52	48
41	MP3A	Z	-26.281	48
42	MP3A	Mx	.023	48
43	MP3B	X	-83.734	24
44	MP3B	Z	-48.344	24
45	MP3B	Mx	0	24
46	MP3B	X	-83.734	48
47	MP3B	Z	-48.344	48
48	MP3B	Mx	0	48
49	MP3C	X	-45.52	24
50	MP3C	Z	-26.281	24
51	MP3C	Mx	-.023	24
52	MP3C	X	-45.52	48
53	MP3C	Z	-26.281	48
54	MP3C	Mx	-.023	48
55	MP1A	X	-10.137	12
56	MP1A	Z	-5.853	12
57	MP1A	Mx	-.005	12
58	MP1B	X	-13.184	12
59	MP1B	Z	-7.612	12
60	MP1B	Mx	0	12
61	MP1C	X	-10.137	12
62	MP1C	Z	-5.853	12
63	MP1C	Mx	.005	12
64	MP1A	X	-50.062	30
65	MP1A	Z	-28.904	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
66	MP1A	Mx	-.025	30
67	MP1B	X	-66.631	30
68	MP1B	Z	-38.469	30
69	MP1B	Mx	0	30
70	MP1C	X	-50.062	30
71	MP1C	Z	-28.904	30
72	MP1C	Mx	.025	30
73	MP2A	X	-43.716	24
74	MP2A	Z	-25.239	24
75	MP2A	Mx	-.022	24
76	MP2B	X	-66.631	24
77	MP2B	Z	-38.469	24
78	MP2B	Mx	0	24
79	MP2C	X	-43.716	24
80	MP2C	Z	-25.239	24
81	MP2C	Mx	.022	24
82	MP4A	X	-100.802	18
83	MP4A	Z	-58.198	18
84	MP4A	Mx	-.05	18
85	MP5A	X	-53.629	18
86	MP5A	Z	-30.962	18
87	MP5A	Mx	.027	18
88	MP5A	X	-53.629	54
89	MP5A	Z	-30.962	54
90	MP5A	Mx	.027	54
91	MP5B	X	-84.091	18
92	MP5B	Z	-48.55	18
93	MP5B	Mx	0	18
94	MP5B	X	-84.091	54
95	MP5B	Z	-48.55	54
96	MP5B	Mx	0	54
97	MP5C	X	-84.033	3
98	MP5C	Z	-48.517	3
99	MP5C	Mx	-.042	3
100	MP5C	X	-84.033	69
101	MP5C	Z	-48.517	69
102	MP5C	Mx	-.042	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-85.665	6
2	MP1A	Z	-148.376	6
3	MP1A	Mx	-.044	6
4	MP1A	X	-85.665	66
5	MP1A	Z	-148.376	66
6	MP1A	Mx	-.044	66
7	MP1B	X	-85.665	6
8	MP1B	Z	-148.376	6
9	MP1B	Mx	.129	6
10	MP1B	X	-85.665	66
11	MP1B	Z	-148.376	66
12	MP1B	Mx	.129	66
13	MP1C	X	-61.544	6
14	MP1C	Z	-106.598	6
15	MP1C	Mx	-.062	6
16	MP1C	X	-61.544	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP1C	Z	-106.598	66
18	MP1C	Mx	-.062	66
19	MP1A	X	-85.665	6
20	MP1A	Z	-148.376	6
21	MP1A	Mx	.129	6
22	MP1A	X	-85.665	66
23	MP1A	Z	-148.376	66
24	MP1A	Mx	.129	66
25	MP1B	X	-85.665	6
26	MP1B	Z	-148.376	6
27	MP1B	Mx	-.044	6
28	MP1B	X	-85.665	66
29	MP1B	Z	-148.376	66
30	MP1B	Mx	-.044	66
31	MP1C	X	-61.544	6
32	MP1C	Z	-106.598	6
33	MP1C	Mx	-.062	6
34	MP1C	X	-61.544	66
35	MP1C	Z	-106.598	66
36	MP1C	Mx	-.062	66
37	MP3A	X	-40.99	24
38	MP3A	Z	-70.996	24
39	MP3A	Mx	.02	24
40	MP3A	X	-40.99	48
41	MP3A	Z	-70.996	48
42	MP3A	Mx	.02	48
43	MP3B	X	-40.99	24
44	MP3B	Z	-70.996	24
45	MP3B	Mx	.02	24
46	MP3B	X	-40.99	48
47	MP3B	Z	-70.996	48
48	MP3B	Mx	.02	48
49	MP3C	X	-18.927	24
50	MP3C	Z	-32.782	24
51	MP3C	Mx	-.019	24
52	MP3C	X	-18.927	48
53	MP3C	Z	-32.782	48
54	MP3C	Mx	-.019	48
55	MP1A	X	-7.025	12
56	MP1A	Z	-12.168	12
57	MP1A	Mx	-.004	12
58	MP1B	X	-7.025	12
59	MP1B	Z	-12.168	12
60	MP1B	Mx	-.004	12
61	MP1C	X	-5.266	12
62	MP1C	Z	-9.122	12
63	MP1C	Mx	.005	12
64	MP1A	X	-35.281	30
65	MP1A	Z	-61.108	30
66	MP1A	Mx	-.018	30
67	MP1B	X	-35.281	30
68	MP1B	Z	-61.108	30
69	MP1B	Mx	-.018	30
70	MP1C	X	-25.715	30
71	MP1C	Z	-44.539	30
72	MP1C	Mx	.026	30
73	MP2A	X	-34.059	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
74	MP2A	Z	-58.993	24
75	MP2A	Mx	-.017	24
76	MP2B	X	-34.059	24
77	MP2B	Z	-58.993	24
78	MP2B	Mx	-.017	24
79	MP2C	X	-20.829	24
80	MP2C	Z	-36.077	24
81	MP2C	Mx	.021	24
82	MP4A	X	-71.378	18
83	MP4A	Z	-123.63	18
84	MP4A	Mx	-.036	18
85	MP5A	X	-42.687	18
86	MP5A	Z	-73.937	18
87	MP5A	Mx	.021	18
88	MP5A	X	-42.687	54
89	MP5A	Z	-73.937	54
90	MP5A	Mx	.021	54
91	MP5B	X	-42.687	18
92	MP5B	Z	-73.937	18
93	MP5B	Mx	.021	18
94	MP5B	X	-42.687	54
95	MP5B	Z	-73.937	54
96	MP5B	Mx	.021	54
97	MP5C	X	-38.7	3
98	MP5C	Z	-67.03	3
99	MP5C	Mx	-.039	3
100	MP5C	X	-38.7	69
101	MP5C	Z	-67.03	69
102	MP5C	Mx	-.039	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	6
2	MP1A	Z	-35.606	6
3	MP1A	Mx	-.021	6
4	MP1A	X	0	66
5	MP1A	Z	-35.606	66
6	MP1A	Mx	-.021	66
7	MP1B	X	0	6
8	MP1B	Z	-27.108	6
9	MP1B	Mx	.02	6
10	MP1B	X	0	66
11	MP1B	Z	-27.108	66
12	MP1B	Mx	.02	66
13	MP1C	X	0	6
14	MP1C	Z	-27.108	6
15	MP1C	Mx	-.004	6
16	MP1C	X	0	66
17	MP1C	Z	-27.108	66
18	MP1C	Mx	-.004	66
19	MP1A	X	0	6
20	MP1A	Z	-35.606	6
21	MP1A	Mx	.021	6
22	MP1A	X	0	66
23	MP1A	Z	-35.606	66
24	MP1A	Mx	.021	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP1B	X	0	6
26	MP1B	Z	-27.108	6
27	MP1B	Mx	.004	6
28	MP1B	X	0	66
29	MP1B	Z	-27.108	66
30	MP1B	Mx	.004	66
31	MP1C	X	0	6
32	MP1C	Z	-27.108	6
33	MP1C	Mx	-.02	6
34	MP1C	X	0	66
35	MP1C	Z	-27.108	66
36	MP1C	Mx	-.02	66
37	MP3A	X	0	24
38	MP3A	Z	-18.93	24
39	MP3A	Mx	0	24
40	MP3A	X	0	48
41	MP3A	Z	-18.93	48
42	MP3A	Mx	0	48
43	MP3B	X	0	24
44	MP3B	Z	-10.772	24
45	MP3B	Mx	.005	24
46	MP3B	X	0	48
47	MP3B	Z	-10.772	48
48	MP3B	Mx	.005	48
49	MP3C	X	0	24
50	MP3C	Z	-10.772	24
51	MP3C	Mx	-.005	24
52	MP3C	X	0	48
53	MP3C	Z	-10.772	48
54	MP3C	Mx	-.005	48
55	MP1A	X	0	12
56	MP1A	Z	-3.858	12
57	MP1A	Mx	0	12
58	MP1B	X	0	12
59	MP1B	Z	-3.134	12
60	MP1B	Mx	-.001	12
61	MP1C	X	0	12
62	MP1C	Z	-3.134	12
63	MP1C	Mx	.001	12
64	MP1A	X	0	30
65	MP1A	Z	-15.941	30
66	MP1A	Mx	0	30
67	MP1B	X	0	30
68	MP1B	Z	-12.297	30
69	MP1B	Mx	-.005	30
70	MP1C	X	0	30
71	MP1C	Z	-12.297	30
72	MP1C	Mx	.005	30
73	MP2A	X	0	24
74	MP2A	Z	-15.941	24
75	MP2A	Mx	0	24
76	MP2B	X	0	24
77	MP2B	Z	-10.912	24
78	MP2B	Mx	-.005	24
79	MP2C	X	0	24
80	MP2C	Z	-10.912	24
81	MP2C	Mx	.005	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
82	MP4A	X	0	18
83	MP4A	Z	-30.709	18
84	MP4A	Mx	0	18
85	MP5A	X	0	18
86	MP5A	Z	-18.988	18
87	MP5A	Mx	0	18
88	MP5A	X	0	54
89	MP5A	Z	-18.988	54
90	MP5A	Mx	0	54
91	MP5B	X	0	18
92	MP5B	Z	-12.727	18
93	MP5B	Mx	.006	18
94	MP5B	X	0	54
95	MP5B	Z	-12.727	54
96	MP5B	Mx	.006	54
97	MP5C	X	0	3
98	MP5C	Z	-19.492	3
99	MP5C	Mx	-.008	3
100	MP5C	X	0	69
101	MP5C	Z	-19.492	69
102	MP5C	Mx	-.008	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	16.387	6
2	MP1A	Z	-28.382	6
3	MP1A	Mx	-.025	6
4	MP1A	X	16.387	66
5	MP1A	Z	-28.382	66
6	MP1A	Mx	-.025	66
7	MP1B	X	12.138	6
8	MP1B	Z	-21.023	6
9	MP1B	Mx	.012	6
10	MP1B	X	12.138	66
11	MP1B	Z	-21.023	66
12	MP1B	Mx	.012	66
13	MP1C	X	16.387	6
14	MP1C	Z	-28.382	6
15	MP1C	Mx	.008	6
16	MP1C	X	16.387	66
17	MP1C	Z	-28.382	66
18	MP1C	Mx	.008	66
19	MP1A	X	16.387	6
20	MP1A	Z	-28.382	6
21	MP1A	Mx	.008	6
22	MP1A	X	16.387	66
23	MP1A	Z	-28.382	66
24	MP1A	Mx	.008	66
25	MP1B	X	12.138	6
26	MP1B	Z	-21.023	6
27	MP1B	Mx	.012	6
28	MP1B	X	12.138	66
29	MP1B	Z	-21.023	66
30	MP1B	Mx	.012	66
31	MP1C	X	16.387	6
32	MP1C	Z	-28.382	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP1C	Mx	-.025	6
34	MP1C	X	16.387	66
35	MP1C	Z	-28.382	66
36	MP1C	Mx	-.025	66
37	MP3A	X	8.105	24
38	MP3A	Z	-14.039	24
39	MP3A	Mx	-.004	24
40	MP3A	X	8.105	48
41	MP3A	Z	-14.039	48
42	MP3A	Mx	-.004	48
43	MP3B	X	4.027	24
44	MP3B	Z	-6.974	24
45	MP3B	Mx	.004	24
46	MP3B	X	4.027	48
47	MP3B	Z	-6.974	48
48	MP3B	Mx	.004	48
49	MP3C	X	8.105	24
50	MP3C	Z	-14.039	24
51	MP3C	Mx	-.004	24
52	MP3C	X	8.105	48
53	MP3C	Z	-14.039	48
54	MP3C	Mx	-.004	48
55	MP1A	X	1.808	12
56	MP1A	Z	-3.132	12
57	MP1A	Mx	.000904	12
58	MP1B	X	1.446	12
59	MP1B	Z	-2.505	12
60	MP1B	Mx	-.001	12
61	MP1C	X	1.808	12
62	MP1C	Z	-3.132	12
63	MP1C	Mx	.000904	12
64	MP1A	X	7.363	30
65	MP1A	Z	-12.753	30
66	MP1A	Mx	.004	30
67	MP1B	X	5.541	30
68	MP1B	Z	-9.597	30
69	MP1B	Mx	-.006	30
70	MP1C	X	7.363	30
71	MP1C	Z	-12.753	30
72	MP1C	Mx	.004	30
73	MP2A	X	7.132	24
74	MP2A	Z	-12.354	24
75	MP2A	Mx	.004	24
76	MP2B	X	4.618	24
77	MP2B	Z	-7.998	24
78	MP2B	Mx	-.005	24
79	MP2C	X	7.132	24
80	MP2C	Z	-12.354	24
81	MP2C	Mx	.004	24
82	MP4A	X	14.14	18
83	MP4A	Z	-24.491	18
84	MP4A	Mx	.007	18
85	MP5A	X	8.451	18
86	MP5A	Z	-14.637	18
87	MP5A	Mx	-.004	18
88	MP5A	X	8.451	54
89	MP5A	Z	-14.637	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
90	MP5A	Mx	-.004	54
91	MP5B	X	5.32	18
92	MP5B	Z	-9.214	18
93	MP5B	Mx	.005	18
94	MP5B	X	5.32	54
95	MP5B	Z	-9.214	54
96	MP5B	Mx	.005	54
97	MP5C	X	13.228	3
98	MP5C	Z	-22.911	3
99	MP5C	Mx	-.007	3
100	MP5C	X	13.228	69
101	MP5C	Z	-22.911	69
102	MP5C	Mx	-.007	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	23.476	6
2	MP1A	Z	-13.554	6
3	MP1A	Mx	-.02	6
4	MP1A	X	23.476	66
5	MP1A	Z	-13.554	66
6	MP1A	Mx	-.02	66
7	MP1B	X	23.476	6
8	MP1B	Z	-13.554	6
9	MP1B	Mx	.004	6
10	MP1B	X	23.476	66
11	MP1B	Z	-13.554	66
12	MP1B	Mx	.004	66
13	MP1C	X	30.835	6
14	MP1C	Z	-17.803	6
15	MP1C	Mx	.021	6
16	MP1C	X	30.835	66
17	MP1C	Z	-17.803	66
18	MP1C	Mx	.021	66
19	MP1A	X	23.476	6
20	MP1A	Z	-13.554	6
21	MP1A	Mx	-.004	6
22	MP1A	X	23.476	66
23	MP1A	Z	-13.554	66
24	MP1A	Mx	-.004	66
25	MP1B	X	23.476	6
26	MP1B	Z	-13.554	6
27	MP1B	Mx	.02	6
28	MP1B	X	23.476	66
29	MP1B	Z	-13.554	66
30	MP1B	Mx	.02	66
31	MP1C	X	30.835	6
32	MP1C	Z	-17.803	6
33	MP1C	Mx	-.021	6
34	MP1C	X	30.835	66
35	MP1C	Z	-17.803	66
36	MP1C	Mx	-.021	66
37	MP3A	X	9.329	24
38	MP3A	Z	-5.386	24
39	MP3A	Mx	-.005	24
40	MP3A	X	9.329	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP3A	Z	-5.386	48
42	MP3A	Mx	-.005	48
43	MP3B	X	9.329	24
44	MP3B	Z	-5.386	24
45	MP3B	Mx	.005	24
46	MP3B	X	9.329	48
47	MP3B	Z	-5.386	48
48	MP3B	Mx	.005	48
49	MP3C	X	16.394	24
50	MP3C	Z	-9.465	24
51	MP3C	Mx	0	24
52	MP3C	X	16.394	48
53	MP3C	Z	-9.465	48
54	MP3C	Mx	0	48
55	MP1A	X	2.714	12
56	MP1A	Z	-1.567	12
57	MP1A	Mx	.001	12
58	MP1B	X	2.714	12
59	MP1B	Z	-1.567	12
60	MP1B	Mx	-.001	12
61	MP1C	X	3.341	12
62	MP1C	Z	-1.929	12
63	MP1C	Mx	0	12
64	MP1A	X	10.649	30
65	MP1A	Z	-6.148	30
66	MP1A	Mx	.005	30
67	MP1B	X	10.649	30
68	MP1B	Z	-6.148	30
69	MP1B	Mx	-.005	30
70	MP1C	X	13.805	30
71	MP1C	Z	-7.971	30
72	MP1C	Mx	0	30
73	MP2A	X	9.45	24
74	MP2A	Z	-5.456	24
75	MP2A	Mx	.005	24
76	MP2B	X	9.45	24
77	MP2B	Z	-5.456	24
78	MP2B	Mx	-.005	24
79	MP2C	X	13.805	24
80	MP2C	Z	-7.971	24
81	MP2C	Mx	0	24
82	MP4A	X	20.284	18
83	MP4A	Z	-11.711	18
84	MP4A	Mx	.01	18
85	MP5A	X	11.022	18
86	MP5A	Z	-6.363	18
87	MP5A	Mx	-.006	18
88	MP5A	X	11.022	54
89	MP5A	Z	-6.363	54
90	MP5A	Mx	-.006	54
91	MP5B	X	11.022	18
92	MP5B	Z	-6.363	18
93	MP5B	Mx	.006	18
94	MP5B	X	11.022	54
95	MP5B	Z	-6.363	54
96	MP5B	Mx	.006	54
97	MP5C	X	25.926	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
98	MP5C	Z	-14.969	3
99	MP5C	Mx	0	3
100	MP5C	X	25.926	69
101	MP5C	Z	-14.969	69
102	MP5C	Mx	0	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	24.275	6
2	MP1A	Z	0	6
3	MP1A	Mx	-.012	6
4	MP1A	X	24.275	66
5	MP1A	Z	0	66
6	MP1A	Mx	-.012	66
7	MP1B	X	32.773	6
8	MP1B	Z	0	6
9	MP1B	Mx	-.008	6
10	MP1B	X	32.773	66
11	MP1B	Z	0	66
12	MP1B	Mx	-.008	66
13	MP1C	X	32.773	6
14	MP1C	Z	0	6
15	MP1C	Mx	.025	6
16	MP1C	X	32.773	66
17	MP1C	Z	0	66
18	MP1C	Mx	.025	66
19	MP1A	X	24.275	6
20	MP1A	Z	0	6
21	MP1A	Mx	-.012	6
22	MP1A	X	24.275	66
23	MP1A	Z	0	66
24	MP1A	Mx	-.012	66
25	MP1B	X	32.773	6
26	MP1B	Z	0	6
27	MP1B	Mx	.025	6
28	MP1B	X	32.773	66
29	MP1B	Z	0	66
30	MP1B	Mx	.025	66
31	MP1C	X	32.773	6
32	MP1C	Z	0	6
33	MP1C	Mx	-.008	6
34	MP1C	X	32.773	66
35	MP1C	Z	0	66
36	MP1C	Mx	-.008	66
37	MP3A	X	8.053	24
38	MP3A	Z	0	24
39	MP3A	Mx	-.004	24
40	MP3A	X	8.053	48
41	MP3A	Z	0	48
42	MP3A	Mx	-.004	48
43	MP3B	X	16.211	24
44	MP3B	Z	0	24
45	MP3B	Mx	.004	24
46	MP3B	X	16.211	48
47	MP3B	Z	0	48
48	MP3B	Mx	.004	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
49	MP3C	X	16.211	24
50	MP3C	Z	0	24
51	MP3C	Mx	.004	24
52	MP3C	X	16.211	48
53	MP3C	Z	0	48
54	MP3C	Mx	.004	48
55	MP1A	X	2.892	12
56	MP1A	Z	0	12
57	MP1A	Mx	.001	12
58	MP1B	X	3.617	12
59	MP1B	Z	0	12
60	MP1B	Mx	-.000904	12
61	MP1C	X	3.617	12
62	MP1C	Z	0	12
63	MP1C	Mx	-.000904	12
64	MP1A	X	11.082	30
65	MP1A	Z	0	30
66	MP1A	Mx	.006	30
67	MP1B	X	14.726	30
68	MP1B	Z	0	30
69	MP1B	Mx	-.004	30
70	MP1C	X	14.726	30
71	MP1C	Z	0	30
72	MP1C	Mx	-.004	30
73	MP2A	X	9.236	24
74	MP2A	Z	0	24
75	MP2A	Mx	.005	24
76	MP2B	X	14.265	24
77	MP2B	Z	0	24
78	MP2B	Mx	-.004	24
79	MP2C	X	14.265	24
80	MP2C	Z	0	24
81	MP2C	Mx	-.004	24
82	MP4A	X	20.993	18
83	MP4A	Z	0	18
84	MP4A	Mx	.01	18
85	MP5A	X	10.64	18
86	MP5A	Z	0	18
87	MP5A	Mx	-.005	18
88	MP5A	X	10.64	54
89	MP5A	Z	0	54
90	MP5A	Mx	-.005	54
91	MP5B	X	16.901	18
92	MP5B	Z	0	18
93	MP5B	Mx	.004	18
94	MP5B	X	16.901	54
95	MP5B	Z	0	54
96	MP5B	Mx	.004	54
97	MP5C	X	26.455	3
98	MP5C	Z	0	3
99	MP5C	Mx	.007	3
100	MP5C	X	26.455	69
101	MP5C	Z	0	69
102	MP5C	Mx	.007	69

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	23.476	6
2	MP1A	Z	13.554	6
3	MP1A	Mx	-.004	6
4	MP1A	X	23.476	66
5	MP1A	Z	13.554	66
6	MP1A	Mx	-.004	66
7	MP1B	X	30.835	6
8	MP1B	Z	17.803	6
9	MP1B	Mx	-.021	6
10	MP1B	X	30.835	66
11	MP1B	Z	17.803	66
12	MP1B	Mx	-.021	66
13	MP1C	X	23.476	6
14	MP1C	Z	13.554	6
15	MP1C	Mx	.02	6
16	MP1C	X	23.476	66
17	MP1C	Z	13.554	66
18	MP1C	Mx	.02	66
19	MP1A	X	23.476	6
20	MP1A	Z	13.554	6
21	MP1A	Mx	-.02	6
22	MP1A	X	23.476	66
23	MP1A	Z	13.554	66
24	MP1A	Mx	-.02	66
25	MP1B	X	30.835	6
26	MP1B	Z	17.803	6
27	MP1B	Mx	.021	6
28	MP1B	X	30.835	66
29	MP1B	Z	17.803	66
30	MP1B	Mx	.021	66
31	MP1C	X	23.476	6
32	MP1C	Z	13.554	6
33	MP1C	Mx	.004	6
34	MP1C	X	23.476	66
35	MP1C	Z	13.554	66
36	MP1C	Mx	.004	66
37	MP3A	X	9.329	24
38	MP3A	Z	5.386	24
39	MP3A	Mx	-.005	24
40	MP3A	X	9.329	48
41	MP3A	Z	5.386	48
42	MP3A	Mx	-.005	48
43	MP3B	X	16.394	24
44	MP3B	Z	9.465	24
45	MP3B	Mx	0	24
46	MP3B	X	16.394	48
47	MP3B	Z	9.465	48
48	MP3B	Mx	0	48
49	MP3C	X	9.329	24
50	MP3C	Z	5.386	24
51	MP3C	Mx	.005	24
52	MP3C	X	9.329	48
53	MP3C	Z	5.386	48
54	MP3C	Mx	.005	48
55	MP1A	X	2.714	12
56	MP1A	Z	1.567	12
57	MP1A	Mx	.001	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1B	X	3.341	12
59	MP1B	Z	1.929	12
60	MP1B	Mx	0	12
61	MP1C	X	2.714	12
62	MP1C	Z	1.567	12
63	MP1C	Mx	-.001	12
64	MP1A	X	10.649	30
65	MP1A	Z	6.148	30
66	MP1A	Mx	.005	30
67	MP1B	X	13.805	30
68	MP1B	Z	7.971	30
69	MP1B	Mx	0	30
70	MP1C	X	10.649	30
71	MP1C	Z	6.148	30
72	MP1C	Mx	-.005	30
73	MP2A	X	9.45	24
74	MP2A	Z	5.456	24
75	MP2A	Mx	.005	24
76	MP2B	X	13.805	24
77	MP2B	Z	7.971	24
78	MP2B	Mx	0	24
79	MP2C	X	9.45	24
80	MP2C	Z	5.456	24
81	MP2C	Mx	-.005	24
82	MP4A	X	20.284	18
83	MP4A	Z	11.711	18
84	MP4A	Mx	.01	18
85	MP5A	X	11.022	18
86	MP5A	Z	6.363	18
87	MP5A	Mx	-.006	18
88	MP5A	X	11.022	54
89	MP5A	Z	6.363	54
90	MP5A	Mx	-.006	54
91	MP5B	X	16.444	18
92	MP5B	Z	9.494	18
93	MP5B	Mx	0	18
94	MP5B	X	16.444	54
95	MP5B	Z	9.494	54
96	MP5B	Mx	0	54
97	MP5C	X	16.881	3
98	MP5C	Z	9.746	3
99	MP5C	Mx	.008	3
100	MP5C	X	16.881	69
101	MP5C	Z	9.746	69
102	MP5C	Mx	.008	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	16.387	6
2	MP1A	Z	28.382	6
3	MP1A	Mx	.008	6
4	MP1A	X	16.387	66
5	MP1A	Z	28.382	66
6	MP1A	Mx	.008	66
7	MP1B	X	16.387	6
8	MP1B	Z	28.382	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP1B	Mx	-.025	6
10	MP1B	X	16.387	66
11	MP1B	Z	28.382	66
12	MP1B	Mx	-.025	66
13	MP1C	X	12.138	6
14	MP1C	Z	21.023	6
15	MP1C	Mx	.012	6
16	MP1C	X	12.138	66
17	MP1C	Z	21.023	66
18	MP1C	Mx	.012	66
19	MP1A	X	16.387	6
20	MP1A	Z	28.382	6
21	MP1A	Mx	-.025	6
22	MP1A	X	16.387	66
23	MP1A	Z	28.382	66
24	MP1A	Mx	-.025	66
25	MP1B	X	16.387	6
26	MP1B	Z	28.382	6
27	MP1B	Mx	.008	6
28	MP1B	X	16.387	66
29	MP1B	Z	28.382	66
30	MP1B	Mx	.008	66
31	MP1C	X	12.138	6
32	MP1C	Z	21.023	6
33	MP1C	Mx	.012	6
34	MP1C	X	12.138	66
35	MP1C	Z	21.023	66
36	MP1C	Mx	.012	66
37	MP3A	X	8.105	24
38	MP3A	Z	14.039	24
39	MP3A	Mx	-.004	24
40	MP3A	X	8.105	48
41	MP3A	Z	14.039	48
42	MP3A	Mx	-.004	48
43	MP3B	X	8.105	24
44	MP3B	Z	14.039	24
45	MP3B	Mx	-.004	24
46	MP3B	X	8.105	48
47	MP3B	Z	14.039	48
48	MP3B	Mx	-.004	48
49	MP3C	X	4.027	24
50	MP3C	Z	6.974	24
51	MP3C	Mx	.004	24
52	MP3C	X	4.027	48
53	MP3C	Z	6.974	48
54	MP3C	Mx	.004	48
55	MP1A	X	1.808	12
56	MP1A	Z	3.132	12
57	MP1A	Mx	.000904	12
58	MP1B	X	1.808	12
59	MP1B	Z	3.132	12
60	MP1B	Mx	.000904	12
61	MP1C	X	1.446	12
62	MP1C	Z	2.505	12
63	MP1C	Mx	-.001	12
64	MP1A	X	7.363	30
65	MP1A	Z	12.753	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
66	MP1A	Mx	.004	30
67	MP1B	X	7.363	30
68	MP1B	Z	12.753	30
69	MP1B	Mx	.004	30
70	MP1C	X	5.541	30
71	MP1C	Z	9.597	30
72	MP1C	Mx	-.006	30
73	MP2A	X	7.132	24
74	MP2A	Z	12.354	24
75	MP2A	Mx	.004	24
76	MP2B	X	7.132	24
77	MP2B	Z	12.354	24
78	MP2B	Mx	.004	24
79	MP2C	X	4.618	24
80	MP2C	Z	7.998	24
81	MP2C	Mx	-.005	24
82	MP4A	X	14.14	18
83	MP4A	Z	24.491	18
84	MP4A	Mx	.007	18
85	MP5A	X	8.451	18
86	MP5A	Z	14.637	18
87	MP5A	Mx	-.004	18
88	MP5A	X	8.451	54
89	MP5A	Z	14.637	54
90	MP5A	Mx	-.004	54
91	MP5B	X	8.451	18
92	MP5B	Z	14.637	18
93	MP5B	Mx	-.004	18
94	MP5B	X	8.451	54
95	MP5B	Z	14.637	54
96	MP5B	Mx	-.004	54
97	MP5C	X	8.005	3
98	MP5C	Z	13.865	3
99	MP5C	Mx	.008	3
100	MP5C	X	8.005	69
101	MP5C	Z	13.865	69
102	MP5C	Mx	.008	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	6
2	MP1A	Z	35.606	6
3	MP1A	Mx	.021	6
4	MP1A	X	0	66
5	MP1A	Z	35.606	66
6	MP1A	Mx	.021	66
7	MP1B	X	0	6
8	MP1B	Z	27.108	6
9	MP1B	Mx	-.02	6
10	MP1B	X	0	66
11	MP1B	Z	27.108	66
12	MP1B	Mx	-.02	66
13	MP1C	X	0	6
14	MP1C	Z	27.108	6
15	MP1C	Mx	.004	6
16	MP1C	X	0	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP1C	Z	27.108	66
18	MP1C	Mx	.004	66
19	MP1A	X	0	6
20	MP1A	Z	35.606	6
21	MP1A	Mx	-.021	6
22	MP1A	X	0	66
23	MP1A	Z	35.606	66
24	MP1A	Mx	-.021	66
25	MP1B	X	0	6
26	MP1B	Z	27.108	6
27	MP1B	Mx	-.004	6
28	MP1B	X	0	66
29	MP1B	Z	27.108	66
30	MP1B	Mx	-.004	66
31	MP1C	X	0	6
32	MP1C	Z	27.108	6
33	MP1C	Mx	.02	6
34	MP1C	X	0	66
35	MP1C	Z	27.108	66
36	MP1C	Mx	.02	66
37	MP3A	X	0	24
38	MP3A	Z	18.93	24
39	MP3A	Mx	0	24
40	MP3A	X	0	48
41	MP3A	Z	18.93	48
42	MP3A	Mx	0	48
43	MP3B	X	0	24
44	MP3B	Z	10.772	24
45	MP3B	Mx	-.005	24
46	MP3B	X	0	48
47	MP3B	Z	10.772	48
48	MP3B	Mx	-.005	48
49	MP3C	X	0	24
50	MP3C	Z	10.772	24
51	MP3C	Mx	.005	24
52	MP3C	X	0	48
53	MP3C	Z	10.772	48
54	MP3C	Mx	.005	48
55	MP1A	X	0	12
56	MP1A	Z	3.858	12
57	MP1A	Mx	0	12
58	MP1B	X	0	12
59	MP1B	Z	3.134	12
60	MP1B	Mx	.001	12
61	MP1C	X	0	12
62	MP1C	Z	3.134	12
63	MP1C	Mx	-.001	12
64	MP1A	X	0	30
65	MP1A	Z	15.941	30
66	MP1A	Mx	0	30
67	MP1B	X	0	30
68	MP1B	Z	12.297	30
69	MP1B	Mx	.005	30
70	MP1C	X	0	30
71	MP1C	Z	12.297	30
72	MP1C	Mx	-.005	30
73	MP2A	X	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
74	MP2A	Z	15.941	24
75	MP2A	Mx	0	24
76	MP2B	X	0	24
77	MP2B	Z	10.912	24
78	MP2B	Mx	.005	24
79	MP2C	X	0	24
80	MP2C	Z	10.912	24
81	MP2C	Mx	-.005	24
82	MP4A	X	0	18
83	MP4A	Z	30.709	18
84	MP4A	Mx	0	18
85	MP5A	X	0	18
86	MP5A	Z	18.988	18
87	MP5A	Mx	0	18
88	MP5A	X	0	54
89	MP5A	Z	18.988	54
90	MP5A	Mx	0	54
91	MP5B	X	0	18
92	MP5B	Z	12.727	18
93	MP5B	Mx	-.006	18
94	MP5B	X	0	54
95	MP5B	Z	12.727	54
96	MP5B	Mx	-.006	54
97	MP5C	X	0	3
98	MP5C	Z	19.492	3
99	MP5C	Mx	.008	3
100	MP5C	X	0	69
101	MP5C	Z	19.492	69
102	MP5C	Mx	.008	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-16.387	6
2	MP1A	Z	28.382	6
3	MP1A	Mx	.025	6
4	MP1A	X	-16.387	66
5	MP1A	Z	28.382	66
6	MP1A	Mx	.025	66
7	MP1B	X	-12.138	6
8	MP1B	Z	21.023	6
9	MP1B	Mx	-.012	6
10	MP1B	X	-12.138	66
11	MP1B	Z	21.023	66
12	MP1B	Mx	-.012	66
13	MP1C	X	-16.387	6
14	MP1C	Z	28.382	6
15	MP1C	Mx	-.008	6
16	MP1C	X	-16.387	66
17	MP1C	Z	28.382	66
18	MP1C	Mx	-.008	66
19	MP1A	X	-16.387	6
20	MP1A	Z	28.382	6
21	MP1A	Mx	-.008	6
22	MP1A	X	-16.387	66
23	MP1A	Z	28.382	66
24	MP1A	Mx	-.008	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP1B	X	-12.138	6
26	MP1B	Z	21.023	6
27	MP1B	Mx	-.012	6
28	MP1B	X	-12.138	66
29	MP1B	Z	21.023	66
30	MP1B	Mx	-.012	66
31	MP1C	X	-16.387	6
32	MP1C	Z	28.382	6
33	MP1C	Mx	.025	6
34	MP1C	X	-16.387	66
35	MP1C	Z	28.382	66
36	MP1C	Mx	.025	66
37	MP3A	X	-8.105	24
38	MP3A	Z	14.039	24
39	MP3A	Mx	.004	24
40	MP3A	X	-8.105	48
41	MP3A	Z	14.039	48
42	MP3A	Mx	.004	48
43	MP3B	X	-4.027	24
44	MP3B	Z	6.974	24
45	MP3B	Mx	-.004	24
46	MP3B	X	-4.027	48
47	MP3B	Z	6.974	48
48	MP3B	Mx	-.004	48
49	MP3C	X	-8.105	24
50	MP3C	Z	14.039	24
51	MP3C	Mx	.004	24
52	MP3C	X	-8.105	48
53	MP3C	Z	14.039	48
54	MP3C	Mx	.004	48
55	MP1A	X	-1.808	12
56	MP1A	Z	3.132	12
57	MP1A	Mx	-.000904	12
58	MP1B	X	-1.446	12
59	MP1B	Z	2.505	12
60	MP1B	Mx	.001	12
61	MP1C	X	-1.808	12
62	MP1C	Z	3.132	12
63	MP1C	Mx	-.000904	12
64	MP1A	X	-7.363	30
65	MP1A	Z	12.753	30
66	MP1A	Mx	-.004	30
67	MP1B	X	-5.541	30
68	MP1B	Z	9.597	30
69	MP1B	Mx	.006	30
70	MP1C	X	-7.363	30
71	MP1C	Z	12.753	30
72	MP1C	Mx	-.004	30
73	MP2A	X	-7.132	24
74	MP2A	Z	12.354	24
75	MP2A	Mx	-.004	24
76	MP2B	X	-4.618	24
77	MP2B	Z	7.998	24
78	MP2B	Mx	.005	24
79	MP2C	X	-7.132	24
80	MP2C	Z	12.354	24
81	MP2C	Mx	-.004	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
82	MP4A	X	-14.14	18
83	MP4A	Z	24.491	18
84	MP4A	Mx	-.007	18
85	MP5A	X	-8.451	18
86	MP5A	Z	14.637	18
87	MP5A	Mx	.004	18
88	MP5A	X	-8.451	54
89	MP5A	Z	14.637	54
90	MP5A	Mx	.004	54
91	MP5B	X	-5.32	18
92	MP5B	Z	9.214	18
93	MP5B	Mx	-.005	18
94	MP5B	X	-5.32	54
95	MP5B	Z	9.214	54
96	MP5B	Mx	-.005	54
97	MP5C	X	-13.228	3
98	MP5C	Z	22.911	3
99	MP5C	Mx	.007	3
100	MP5C	X	-13.228	69
101	MP5C	Z	22.911	69
102	MP5C	Mx	.007	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-23.476	6
2	MP1A	Z	13.554	6
3	MP1A	Mx	.02	6
4	MP1A	X	-23.476	66
5	MP1A	Z	13.554	66
6	MP1A	Mx	.02	66
7	MP1B	X	-23.476	6
8	MP1B	Z	13.554	6
9	MP1B	Mx	-.004	6
10	MP1B	X	-23.476	66
11	MP1B	Z	13.554	66
12	MP1B	Mx	-.004	66
13	MP1C	X	-30.835	6
14	MP1C	Z	17.803	6
15	MP1C	Mx	-.021	6
16	MP1C	X	-30.835	66
17	MP1C	Z	17.803	66
18	MP1C	Mx	-.021	66
19	MP1A	X	-23.476	6
20	MP1A	Z	13.554	6
21	MP1A	Mx	.004	6
22	MP1A	X	-23.476	66
23	MP1A	Z	13.554	66
24	MP1A	Mx	.004	66
25	MP1B	X	-23.476	6
26	MP1B	Z	13.554	6
27	MP1B	Mx	-.02	6
28	MP1B	X	-23.476	66
29	MP1B	Z	13.554	66
30	MP1B	Mx	-.02	66
31	MP1C	X	-30.835	6
32	MP1C	Z	17.803	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP1C	Mx	.021	6
34	MP1C	X	-30.835	66
35	MP1C	Z	17.803	66
36	MP1C	Mx	.021	66
37	MP3A	X	-9.329	24
38	MP3A	Z	5.386	24
39	MP3A	Mx	.005	24
40	MP3A	X	-9.329	48
41	MP3A	Z	5.386	48
42	MP3A	Mx	.005	48
43	MP3B	X	-9.329	24
44	MP3B	Z	5.386	24
45	MP3B	Mx	-.005	24
46	MP3B	X	-9.329	48
47	MP3B	Z	5.386	48
48	MP3B	Mx	-.005	48
49	MP3C	X	-16.394	24
50	MP3C	Z	9.465	24
51	MP3C	Mx	0	24
52	MP3C	X	-16.394	48
53	MP3C	Z	9.465	48
54	MP3C	Mx	0	48
55	MP1A	X	-2.714	12
56	MP1A	Z	1.567	12
57	MP1A	Mx	-.001	12
58	MP1B	X	-2.714	12
59	MP1B	Z	1.567	12
60	MP1B	Mx	.001	12
61	MP1C	X	-3.341	12
62	MP1C	Z	1.929	12
63	MP1C	Mx	0	12
64	MP1A	X	-10.649	30
65	MP1A	Z	6.148	30
66	MP1A	Mx	-.005	30
67	MP1B	X	-10.649	30
68	MP1B	Z	6.148	30
69	MP1B	Mx	.005	30
70	MP1C	X	-13.805	30
71	MP1C	Z	7.971	30
72	MP1C	Mx	0	30
73	MP2A	X	-9.45	24
74	MP2A	Z	5.456	24
75	MP2A	Mx	-.005	24
76	MP2B	X	-9.45	24
77	MP2B	Z	5.456	24
78	MP2B	Mx	.005	24
79	MP2C	X	-13.805	24
80	MP2C	Z	7.971	24
81	MP2C	Mx	0	24
82	MP4A	X	-20.284	18
83	MP4A	Z	11.711	18
84	MP4A	Mx	-.01	18
85	MP5A	X	-11.022	18
86	MP5A	Z	6.363	18
87	MP5A	Mx	.006	18
88	MP5A	X	-11.022	54
89	MP5A	Z	6.363	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
90	MP5A	Mx	.006	54
91	MP5B	X	-11.022	18
92	MP5B	Z	6.363	18
93	MP5B	Mx	-.006	18
94	MP5B	X	-11.022	54
95	MP5B	Z	6.363	54
96	MP5B	Mx	-.006	54
97	MP5C	X	-25.926	3
98	MP5C	Z	14.969	3
99	MP5C	Mx	0	3
100	MP5C	X	-25.926	69
101	MP5C	Z	14.969	69
102	MP5C	Mx	0	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-24.275	6
2	MP1A	Z	0	6
3	MP1A	Mx	.012	6
4	MP1A	X	-24.275	66
5	MP1A	Z	0	66
6	MP1A	Mx	.012	66
7	MP1B	X	-32.773	6
8	MP1B	Z	0	6
9	MP1B	Mx	.008	6
10	MP1B	X	-32.773	66
11	MP1B	Z	0	66
12	MP1B	Mx	.008	66
13	MP1C	X	-32.773	6
14	MP1C	Z	0	6
15	MP1C	Mx	-.025	6
16	MP1C	X	-32.773	66
17	MP1C	Z	0	66
18	MP1C	Mx	-.025	66
19	MP1A	X	-24.275	6
20	MP1A	Z	0	6
21	MP1A	Mx	.012	6
22	MP1A	X	-24.275	66
23	MP1A	Z	0	66
24	MP1A	Mx	.012	66
25	MP1B	X	-32.773	6
26	MP1B	Z	0	6
27	MP1B	Mx	-.025	6
28	MP1B	X	-32.773	66
29	MP1B	Z	0	66
30	MP1B	Mx	-.025	66
31	MP1C	X	-32.773	6
32	MP1C	Z	0	6
33	MP1C	Mx	.008	6
34	MP1C	X	-32.773	66
35	MP1C	Z	0	66
36	MP1C	Mx	.008	66
37	MP3A	X	-8.053	24
38	MP3A	Z	0	24
39	MP3A	Mx	.004	24
40	MP3A	X	-8.053	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP3A	Z	0	48
42	MP3A	Mx	.004	48
43	MP3B	X	-16.211	24
44	MP3B	Z	0	24
45	MP3B	Mx	-.004	24
46	MP3B	X	-16.211	48
47	MP3B	Z	0	48
48	MP3B	Mx	-.004	48
49	MP3C	X	-16.211	24
50	MP3C	Z	0	24
51	MP3C	Mx	-.004	24
52	MP3C	X	-16.211	48
53	MP3C	Z	0	48
54	MP3C	Mx	-.004	48
55	MP1A	X	-2.892	12
56	MP1A	Z	0	12
57	MP1A	Mx	-.001	12
58	MP1B	X	-3.617	12
59	MP1B	Z	0	12
60	MP1B	Mx	.000904	12
61	MP1C	X	-3.617	12
62	MP1C	Z	0	12
63	MP1C	Mx	.000904	12
64	MP1A	X	-11.082	30
65	MP1A	Z	0	30
66	MP1A	Mx	-.006	30
67	MP1B	X	-14.726	30
68	MP1B	Z	0	30
69	MP1B	Mx	.004	30
70	MP1C	X	-14.726	30
71	MP1C	Z	0	30
72	MP1C	Mx	.004	30
73	MP2A	X	-9.236	24
74	MP2A	Z	0	24
75	MP2A	Mx	-.005	24
76	MP2B	X	-14.265	24
77	MP2B	Z	0	24
78	MP2B	Mx	.004	24
79	MP2C	X	-14.265	24
80	MP2C	Z	0	24
81	MP2C	Mx	.004	24
82	MP4A	X	-20.993	18
83	MP4A	Z	0	18
84	MP4A	Mx	-.01	18
85	MP5A	X	-10.64	18
86	MP5A	Z	0	18
87	MP5A	Mx	.005	18
88	MP5A	X	-10.64	54
89	MP5A	Z	0	54
90	MP5A	Mx	.005	54
91	MP5B	X	-16.901	18
92	MP5B	Z	0	18
93	MP5B	Mx	-.004	18
94	MP5B	X	-16.901	54
95	MP5B	Z	0	54
96	MP5B	Mx	-.004	54
97	MP5C	X	-26.455	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
98	MP5C	Z	0	3
99	MP5C	Mx	-.007	3
100	MP5C	X	-26.455	69
101	MP5C	Z	0	69
102	MP5C	Mx	-.007	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-23.476	6
2	MP1A	Z	-13.554	6
3	MP1A	Mx	.004	6
4	MP1A	X	-23.476	66
5	MP1A	Z	-13.554	66
6	MP1A	Mx	.004	66
7	MP1B	X	-30.835	6
8	MP1B	Z	-17.803	6
9	MP1B	Mx	.021	6
10	MP1B	X	-30.835	66
11	MP1B	Z	-17.803	66
12	MP1B	Mx	.021	66
13	MP1C	X	-23.476	6
14	MP1C	Z	-13.554	6
15	MP1C	Mx	-.02	6
16	MP1C	X	-23.476	66
17	MP1C	Z	-13.554	66
18	MP1C	Mx	-.02	66
19	MP1A	X	-23.476	6
20	MP1A	Z	-13.554	6
21	MP1A	Mx	.02	6
22	MP1A	X	-23.476	66
23	MP1A	Z	-13.554	66
24	MP1A	Mx	.02	66
25	MP1B	X	-30.835	6
26	MP1B	Z	-17.803	6
27	MP1B	Mx	-.021	6
28	MP1B	X	-30.835	66
29	MP1B	Z	-17.803	66
30	MP1B	Mx	-.021	66
31	MP1C	X	-23.476	6
32	MP1C	Z	-13.554	6
33	MP1C	Mx	-.004	6
34	MP1C	X	-23.476	66
35	MP1C	Z	-13.554	66
36	MP1C	Mx	-.004	66
37	MP3A	X	-9.329	24
38	MP3A	Z	-5.386	24
39	MP3A	Mx	.005	24
40	MP3A	X	-9.329	48
41	MP3A	Z	-5.386	48
42	MP3A	Mx	.005	48
43	MP3B	X	-16.394	24
44	MP3B	Z	-9.465	24
45	MP3B	Mx	0	24
46	MP3B	X	-16.394	48
47	MP3B	Z	-9.465	48
48	MP3B	Mx	0	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
49	MP3C	X	-9.329	24
50	MP3C	Z	-5.386	24
51	MP3C	Mx	-.005	24
52	MP3C	X	-9.329	48
53	MP3C	Z	-5.386	48
54	MP3C	Mx	-.005	48
55	MP1A	X	-2.714	12
56	MP1A	Z	-1.567	12
57	MP1A	Mx	-.001	12
58	MP1B	X	-3.341	12
59	MP1B	Z	-1.929	12
60	MP1B	Mx	0	12
61	MP1C	X	-2.714	12
62	MP1C	Z	-1.567	12
63	MP1C	Mx	.001	12
64	MP1A	X	-10.649	30
65	MP1A	Z	-6.148	30
66	MP1A	Mx	-.005	30
67	MP1B	X	-13.805	30
68	MP1B	Z	-7.971	30
69	MP1B	Mx	0	30
70	MP1C	X	-10.649	30
71	MP1C	Z	-6.148	30
72	MP1C	Mx	.005	30
73	MP2A	X	-9.45	24
74	MP2A	Z	-5.456	24
75	MP2A	Mx	-.005	24
76	MP2B	X	-13.805	24
77	MP2B	Z	-7.971	24
78	MP2B	Mx	0	24
79	MP2C	X	-9.45	24
80	MP2C	Z	-5.456	24
81	MP2C	Mx	.005	24
82	MP4A	X	-20.284	18
83	MP4A	Z	-11.711	18
84	MP4A	Mx	-.01	18
85	MP5A	X	-11.022	18
86	MP5A	Z	-6.363	18
87	MP5A	Mx	.006	18
88	MP5A	X	-11.022	54
89	MP5A	Z	-6.363	54
90	MP5A	Mx	.006	54
91	MP5B	X	-16.444	18
92	MP5B	Z	-9.494	18
93	MP5B	Mx	0	18
94	MP5B	X	-16.444	54
95	MP5B	Z	-9.494	54
96	MP5B	Mx	0	54
97	MP5C	X	-16.881	3
98	MP5C	Z	-9.746	3
99	MP5C	Mx	-.008	3
100	MP5C	X	-16.881	69
101	MP5C	Z	-9.746	69
102	MP5C	Mx	-.008	69

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-16.387	6
2	MP1A	Z	-28.382	6
3	MP1A	Mx	-.008	6
4	MP1A	X	-16.387	66
5	MP1A	Z	-28.382	66
6	MP1A	Mx	-.008	66
7	MP1B	X	-16.387	6
8	MP1B	Z	-28.382	6
9	MP1B	Mx	.025	6
10	MP1B	X	-16.387	66
11	MP1B	Z	-28.382	66
12	MP1B	Mx	.025	66
13	MP1C	X	-12.138	6
14	MP1C	Z	-21.023	6
15	MP1C	Mx	-.012	6
16	MP1C	X	-12.138	66
17	MP1C	Z	-21.023	66
18	MP1C	Mx	-.012	66
19	MP1A	X	-16.387	6
20	MP1A	Z	-28.382	6
21	MP1A	Mx	.025	6
22	MP1A	X	-16.387	66
23	MP1A	Z	-28.382	66
24	MP1A	Mx	.025	66
25	MP1B	X	-16.387	6
26	MP1B	Z	-28.382	6
27	MP1B	Mx	-.008	6
28	MP1B	X	-16.387	66
29	MP1B	Z	-28.382	66
30	MP1B	Mx	-.008	66
31	MP1C	X	-12.138	6
32	MP1C	Z	-21.023	6
33	MP1C	Mx	-.012	6
34	MP1C	X	-12.138	66
35	MP1C	Z	-21.023	66
36	MP1C	Mx	-.012	66
37	MP3A	X	-8.105	24
38	MP3A	Z	-14.039	24
39	MP3A	Mx	.004	24
40	MP3A	X	-8.105	48
41	MP3A	Z	-14.039	48
42	MP3A	Mx	.004	48
43	MP3B	X	-8.105	24
44	MP3B	Z	-14.039	24
45	MP3B	Mx	.004	24
46	MP3B	X	-8.105	48
47	MP3B	Z	-14.039	48
48	MP3B	Mx	.004	48
49	MP3C	X	-4.027	24
50	MP3C	Z	-6.974	24
51	MP3C	Mx	-.004	24
52	MP3C	X	-4.027	48
53	MP3C	Z	-6.974	48
54	MP3C	Mx	-.004	48
55	MP1A	X	-1.808	12
56	MP1A	Z	-3.132	12
57	MP1A	Mx	-.000904	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1B	X	-1.808	12
59	MP1B	Z	-3.132	12
60	MP1B	Mx	-.000904	12
61	MP1C	X	-1.446	12
62	MP1C	Z	-2.505	12
63	MP1C	Mx	.001	12
64	MP1A	X	-7.363	30
65	MP1A	Z	-12.753	30
66	MP1A	Mx	-.004	30
67	MP1B	X	-7.363	30
68	MP1B	Z	-12.753	30
69	MP1B	Mx	-.004	30
70	MP1C	X	-5.541	30
71	MP1C	Z	-9.597	30
72	MP1C	Mx	.006	30
73	MP2A	X	-7.132	24
74	MP2A	Z	-12.354	24
75	MP2A	Mx	-.004	24
76	MP2B	X	-7.132	24
77	MP2B	Z	-12.354	24
78	MP2B	Mx	-.004	24
79	MP2C	X	-4.618	24
80	MP2C	Z	-7.998	24
81	MP2C	Mx	.005	24
82	MP4A	X	-14.14	18
83	MP4A	Z	-24.491	18
84	MP4A	Mx	-.007	18
85	MP5A	X	-8.451	18
86	MP5A	Z	-14.637	18
87	MP5A	Mx	.004	18
88	MP5A	X	-8.451	54
89	MP5A	Z	-14.637	54
90	MP5A	Mx	.004	54
91	MP5B	X	-8.451	18
92	MP5B	Z	-14.637	18
93	MP5B	Mx	.004	18
94	MP5B	X	-8.451	54
95	MP5B	Z	-14.637	54
96	MP5B	Mx	.004	54
97	MP5C	X	-8.005	3
98	MP5C	Z	-13.865	3
99	MP5C	Mx	-.008	3
100	MP5C	X	-8.005	69
101	MP5C	Z	-13.865	69
102	MP5C	Mx	-.008	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	6
2	MP1A	Z	-11.713	6
3	MP1A	Mx	-.007	6
4	MP1A	X	0	66
5	MP1A	Z	-11.713	66
6	MP1A	Mx	-.007	66
7	MP1B	X	0	6
8	MP1B	Z	-8.698	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP1B	Mx	.006	6
10	MP1B	X	0	66
11	MP1B	Z	-8.698	66
12	MP1B	Mx	.006	66
13	MP1C	X	0	6
14	MP1C	Z	-8.698	6
15	MP1C	Mx	-.001	6
16	MP1C	X	0	66
17	MP1C	Z	-8.698	66
18	MP1C	Mx	-.001	66
19	MP1A	X	0	6
20	MP1A	Z	-11.713	6
21	MP1A	Mx	.007	6
22	MP1A	X	0	66
23	MP1A	Z	-11.713	66
24	MP1A	Mx	.007	66
25	MP1B	X	0	6
26	MP1B	Z	-8.698	6
27	MP1B	Mx	.001	6
28	MP1B	X	0	66
29	MP1B	Z	-8.698	66
30	MP1B	Mx	.001	66
31	MP1C	X	0	6
32	MP1C	Z	-8.698	6
33	MP1C	Mx	-.006	6
34	MP1C	X	0	66
35	MP1C	Z	-8.698	66
36	MP1C	Mx	-.006	66
37	MP3A	X	0	24
38	MP3A	Z	-6.043	24
39	MP3A	Mx	0	24
40	MP3A	X	0	48
41	MP3A	Z	-6.043	48
42	MP3A	Mx	0	48
43	MP3B	X	0	24
44	MP3B	Z	-3.285	24
45	MP3B	Mx	.001	24
46	MP3B	X	0	48
47	MP3B	Z	-3.285	48
48	MP3B	Mx	.001	48
49	MP3C	X	0	24
50	MP3C	Z	-3.285	24
51	MP3C	Mx	-.001	24
52	MP3C	X	0	48
53	MP3C	Z	-3.285	48
54	MP3C	Mx	-.001	48
55	MP1A	X	0	12
56	MP1A	Z	-.951	12
57	MP1A	Mx	0	12
58	MP1B	X	0	12
59	MP1B	Z	-.732	12
60	MP1B	Mx	-.000317	12
61	MP1C	X	0	12
62	MP1C	Z	-.732	12
63	MP1C	Mx	.000317	12
64	MP1A	X	0	30
65	MP1A	Z	-4.809	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
66	MP1A	Mx	0	30
67	MP1B	X	0	30
68	MP1B	Z	-3.613	30
69	MP1B	Mx	-.002	30
70	MP1C	X	0	30
71	MP1C	Z	-3.613	30
72	MP1C	Mx	.002	30
73	MP2A	X	0	24
74	MP2A	Z	-4.809	24
75	MP2A	Mx	0	24
76	MP2B	X	0	24
77	MP2B	Z	-3.155	24
78	MP2B	Mx	-.001	24
79	MP2C	X	0	24
80	MP2C	Z	-3.155	24
81	MP2C	Mx	.001	24
82	MP4A	X	0	18
83	MP4A	Z	-9.746	18
84	MP4A	Mx	0	18
85	MP5A	X	0	18
86	MP5A	Z	-6.069	18
87	MP5A	Mx	0	18
88	MP5A	X	0	54
89	MP5A	Z	-6.069	54
90	MP5A	Mx	0	54
91	MP5B	X	0	18
92	MP5B	Z	-3.87	18
93	MP5B	Mx	.002	18
94	MP5B	X	0	54
95	MP5B	Z	-3.87	54
96	MP5B	Mx	.002	54
97	MP5C	X	0	3
98	MP5C	Z	-6.065	3
99	MP5C	Mx	-.003	3
100	MP5C	X	0	69
101	MP5C	Z	-6.065	69
102	MP5C	Mx	-.003	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	5.354	6
2	MP1A	Z	-9.273	6
3	MP1A	Mx	-.008	6
4	MP1A	X	5.354	66
5	MP1A	Z	-9.273	66
6	MP1A	Mx	-.008	66
7	MP1B	X	3.847	6
8	MP1B	Z	-6.662	6
9	MP1B	Mx	.004	6
10	MP1B	X	3.847	66
11	MP1B	Z	-6.662	66
12	MP1B	Mx	.004	66
13	MP1C	X	5.354	6
14	MP1C	Z	-9.273	6
15	MP1C	Mx	.003	6
16	MP1C	X	5.354	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP1C	Z	-9.273	66
18	MP1C	Mx	.003	66
19	MP1A	X	5.354	6
20	MP1A	Z	-9.273	6
21	MP1A	Mx	.003	6
22	MP1A	X	5.354	66
23	MP1A	Z	-9.273	66
24	MP1A	Mx	.003	66
25	MP1B	X	3.847	6
26	MP1B	Z	-6.662	6
27	MP1B	Mx	.004	6
28	MP1B	X	3.847	66
29	MP1B	Z	-6.662	66
30	MP1B	Mx	.004	66
31	MP1C	X	5.354	6
32	MP1C	Z	-9.273	6
33	MP1C	Mx	-.008	6
34	MP1C	X	5.354	66
35	MP1C	Z	-9.273	66
36	MP1C	Mx	-.008	66
37	MP3A	X	2.562	24
38	MP3A	Z	-4.437	24
39	MP3A	Mx	-.001	24
40	MP3A	X	2.562	48
41	MP3A	Z	-4.437	48
42	MP3A	Mx	-.001	48
43	MP3B	X	1.183	24
44	MP3B	Z	-2.049	24
45	MP3B	Mx	.001	24
46	MP3B	X	1.183	48
47	MP3B	Z	-2.049	48
48	MP3B	Mx	.001	48
49	MP3C	X	2.562	24
50	MP3C	Z	-4.437	24
51	MP3C	Mx	-.001	24
52	MP3C	X	2.562	48
53	MP3C	Z	-4.437	48
54	MP3C	Mx	-.001	48
55	MP1A	X	.439	12
56	MP1A	Z	-.761	12
57	MP1A	Mx	.00022	12
58	MP1B	X	.329	12
59	MP1B	Z	-.57	12
60	MP1B	Mx	-.000329	12
61	MP1C	X	.439	12
62	MP1C	Z	-.761	12
63	MP1C	Mx	.00022	12
64	MP1A	X	2.205	30
65	MP1A	Z	-3.819	30
66	MP1A	Mx	.001	30
67	MP1B	X	1.607	30
68	MP1B	Z	-2.784	30
69	MP1B	Mx	-.002	30
70	MP1C	X	2.205	30
71	MP1C	Z	-3.819	30
72	MP1C	Mx	.001	30
73	MP2A	X	2.129	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
74	MP2A	Z	-3.687	24
75	MP2A	Mx	.001	24
76	MP2B	X	1.302	24
77	MP2B	Z	-2.255	24
78	MP2B	Mx	-.001	24
79	MP2C	X	2.129	24
80	MP2C	Z	-3.687	24
81	MP2C	Mx	.001	24
82	MP4A	X	4.461	18
83	MP4A	Z	-7.727	18
84	MP4A	Mx	.002	18
85	MP5A	X	2.668	18
86	MP5A	Z	-4.621	18
87	MP5A	Mx	-.001	18
88	MP5A	X	2.668	54
89	MP5A	Z	-4.621	54
90	MP5A	Mx	-.001	54
91	MP5B	X	1.569	18
92	MP5B	Z	-2.717	18
93	MP5B	Mx	.002	18
94	MP5B	X	1.569	54
95	MP5B	Z	-2.717	54
96	MP5B	Mx	.002	54
97	MP5C	X	4.259	3
98	MP5C	Z	-7.378	3
99	MP5C	Mx	-.002	3
100	MP5C	X	4.259	69
101	MP5C	Z	-7.378	69
102	MP5C	Mx	-.002	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	7.533	6
2	MP1A	Z	-4.349	6
3	MP1A	Mx	-.006	6
4	MP1A	X	7.533	66
5	MP1A	Z	-4.349	66
6	MP1A	Mx	-.006	66
7	MP1B	X	7.533	6
8	MP1B	Z	-4.349	6
9	MP1B	Mx	.001	6
10	MP1B	X	7.533	66
11	MP1B	Z	-4.349	66
12	MP1B	Mx	.001	66
13	MP1C	X	10.144	6
14	MP1C	Z	-5.857	6
15	MP1C	Mx	.007	6
16	MP1C	X	10.144	66
17	MP1C	Z	-5.857	66
18	MP1C	Mx	.007	66
19	MP1A	X	7.533	6
20	MP1A	Z	-4.349	6
21	MP1A	Mx	-.001	6
22	MP1A	X	7.533	66
23	MP1A	Z	-4.349	66
24	MP1A	Mx	-.001	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP1B	X	7.533	6
26	MP1B	Z	-4.349	6
27	MP1B	Mx	.006	6
28	MP1B	X	7.533	66
29	MP1B	Z	-4.349	66
30	MP1B	Mx	.006	66
31	MP1C	X	10.144	6
32	MP1C	Z	-5.857	6
33	MP1C	Mx	-.007	6
34	MP1C	X	10.144	66
35	MP1C	Z	-5.857	66
36	MP1C	Mx	-.007	66
37	MP3A	X	2.845	24
38	MP3A	Z	-1.643	24
39	MP3A	Mx	-.001	24
40	MP3A	X	2.845	48
41	MP3A	Z	-1.643	48
42	MP3A	Mx	-.001	48
43	MP3B	X	2.845	24
44	MP3B	Z	-1.643	24
45	MP3B	Mx	.001	24
46	MP3B	X	2.845	48
47	MP3B	Z	-1.643	48
48	MP3B	Mx	.001	48
49	MP3C	X	5.233	24
50	MP3C	Z	-3.021	24
51	MP3C	Mx	0	24
52	MP3C	X	5.233	48
53	MP3C	Z	-3.021	48
54	MP3C	Mx	0	48
55	MP1A	X	.634	12
56	MP1A	Z	-.366	12
57	MP1A	Mx	.000317	12
58	MP1B	X	.634	12
59	MP1B	Z	-.366	12
60	MP1B	Mx	-.000317	12
61	MP1C	X	.824	12
62	MP1C	Z	-.476	12
63	MP1C	Mx	0	12
64	MP1A	X	3.129	30
65	MP1A	Z	-1.806	30
66	MP1A	Mx	.002	30
67	MP1B	X	3.129	30
68	MP1B	Z	-1.806	30
69	MP1B	Mx	-.002	30
70	MP1C	X	4.164	30
71	MP1C	Z	-2.404	30
72	MP1C	Mx	0	30
73	MP2A	X	2.732	24
74	MP2A	Z	-1.577	24
75	MP2A	Mx	.001	24
76	MP2B	X	2.732	24
77	MP2B	Z	-1.577	24
78	MP2B	Mx	-.001	24
79	MP2C	X	4.164	24
80	MP2C	Z	-2.404	24
81	MP2C	Mx	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
82	MP4A	X	6.3	18
83	MP4A	Z	-3.637	18
84	MP4A	Mx	.003	18
85	MP5A	X	3.352	18
86	MP5A	Z	-1.935	18
87	MP5A	Mx	-.002	18
88	MP5A	X	3.352	54
89	MP5A	Z	-1.935	54
90	MP5A	Mx	-.002	54
91	MP5B	X	3.352	18
92	MP5B	Z	-1.935	18
93	MP5B	Mx	.002	18
94	MP5B	X	3.352	54
95	MP5B	Z	-1.935	54
96	MP5B	Mx	.002	54
97	MP5C	X	8.44	3
98	MP5C	Z	-4.873	3
99	MP5C	Mx	0	3
100	MP5C	X	8.44	69
101	MP5C	Z	-4.873	69
102	MP5C	Mx	0	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	7.693	6
2	MP1A	Z	0	6
3	MP1A	Mx	-.004	6
4	MP1A	X	7.693	66
5	MP1A	Z	0	66
6	MP1A	Mx	-.004	66
7	MP1B	X	10.708	6
8	MP1B	Z	0	6
9	MP1B	Mx	-.003	6
10	MP1B	X	10.708	66
11	MP1B	Z	0	66
12	MP1B	Mx	-.003	66
13	MP1C	X	10.708	6
14	MP1C	Z	0	6
15	MP1C	Mx	.008	6
16	MP1C	X	10.708	66
17	MP1C	Z	0	66
18	MP1C	Mx	.008	66
19	MP1A	X	7.693	6
20	MP1A	Z	0	6
21	MP1A	Mx	-.004	6
22	MP1A	X	7.693	66
23	MP1A	Z	0	66
24	MP1A	Mx	-.004	66
25	MP1B	X	10.708	6
26	MP1B	Z	0	6
27	MP1B	Mx	.008	6
28	MP1B	X	10.708	66
29	MP1B	Z	0	66
30	MP1B	Mx	.008	66
31	MP1C	X	10.708	6
32	MP1C	Z	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP1C	Mx	-.003	6
34	MP1C	X	10.708	66
35	MP1C	Z	0	66
36	MP1C	Mx	-.003	66
37	MP3A	X	2.366	24
38	MP3A	Z	0	24
39	MP3A	Mx	-.001	24
40	MP3A	X	2.366	48
41	MP3A	Z	0	48
42	MP3A	Mx	-.001	48
43	MP3B	X	5.124	24
44	MP3B	Z	0	24
45	MP3B	Mx	.001	24
46	MP3B	X	5.124	48
47	MP3B	Z	0	48
48	MP3B	Mx	.001	48
49	MP3C	X	5.124	24
50	MP3C	Z	0	24
51	MP3C	Mx	.001	24
52	MP3C	X	5.124	48
53	MP3C	Z	0	48
54	MP3C	Mx	.001	48
55	MP1A	X	.658	12
56	MP1A	Z	0	12
57	MP1A	Mx	.000329	12
58	MP1B	X	.878	12
59	MP1B	Z	0	12
60	MP1B	Mx	-.00022	12
61	MP1C	X	.878	12
62	MP1C	Z	0	12
63	MP1C	Mx	-.00022	12
64	MP1A	X	3.214	30
65	MP1A	Z	0	30
66	MP1A	Mx	.002	30
67	MP1B	X	4.41	30
68	MP1B	Z	0	30
69	MP1B	Mx	-.001	30
70	MP1C	X	4.41	30
71	MP1C	Z	0	30
72	MP1C	Mx	-.001	30
73	MP2A	X	2.604	24
74	MP2A	Z	0	24
75	MP2A	Mx	.001	24
76	MP2B	X	4.257	24
77	MP2B	Z	0	24
78	MP2B	Mx	-.001	24
79	MP2C	X	4.257	24
80	MP2C	Z	0	24
81	MP2C	Mx	-.001	24
82	MP4A	X	6.451	18
83	MP4A	Z	0	18
84	MP4A	Mx	.003	18
85	MP5A	X	3.138	18
86	MP5A	Z	0	18
87	MP5A	Mx	-.002	18
88	MP5A	X	3.138	54
89	MP5A	Z	0	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
90	MP5A	Mx	-.002	54
91	MP5B	X	5.336	18
92	MP5B	Z	0	18
93	MP5B	Mx	.001	18
94	MP5B	X	5.336	54
95	MP5B	Z	0	54
96	MP5B	Mx	.001	54
97	MP5C	X	8.519	3
98	MP5C	Z	0	3
99	MP5C	Mx	.002	3
100	MP5C	X	8.519	69
101	MP5C	Z	0	69
102	MP5C	Mx	.002	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	7.533	6
2	MP1A	Z	4.349	6
3	MP1A	Mx	-.001	6
4	MP1A	X	7.533	66
5	MP1A	Z	4.349	66
6	MP1A	Mx	-.001	66
7	MP1B	X	10.144	6
8	MP1B	Z	5.857	6
9	MP1B	Mx	-.007	6
10	MP1B	X	10.144	66
11	MP1B	Z	5.857	66
12	MP1B	Mx	-.007	66
13	MP1C	X	7.533	6
14	MP1C	Z	4.349	6
15	MP1C	Mx	.006	6
16	MP1C	X	7.533	66
17	MP1C	Z	4.349	66
18	MP1C	Mx	.006	66
19	MP1A	X	7.533	6
20	MP1A	Z	4.349	6
21	MP1A	Mx	-.006	6
22	MP1A	X	7.533	66
23	MP1A	Z	4.349	66
24	MP1A	Mx	-.006	66
25	MP1B	X	10.144	6
26	MP1B	Z	5.857	6
27	MP1B	Mx	.007	6
28	MP1B	X	10.144	66
29	MP1B	Z	5.857	66
30	MP1B	Mx	.007	66
31	MP1C	X	7.533	6
32	MP1C	Z	4.349	6
33	MP1C	Mx	.001	6
34	MP1C	X	7.533	66
35	MP1C	Z	4.349	66
36	MP1C	Mx	.001	66
37	MP3A	X	2.845	24
38	MP3A	Z	1.643	24
39	MP3A	Mx	-.001	24
40	MP3A	X	2.845	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP3A	Z	1.643	48
42	MP3A	Mx	-.001	48
43	MP3B	X	5.233	24
44	MP3B	Z	3.021	24
45	MP3B	Mx	0	24
46	MP3B	X	5.233	48
47	MP3B	Z	3.021	48
48	MP3B	Mx	0	48
49	MP3C	X	2.845	24
50	MP3C	Z	1.643	24
51	MP3C	Mx	.001	24
52	MP3C	X	2.845	48
53	MP3C	Z	1.643	48
54	MP3C	Mx	.001	48
55	MP1A	X	.634	12
56	MP1A	Z	.366	12
57	MP1A	Mx	.000317	12
58	MP1B	X	.824	12
59	MP1B	Z	.476	12
60	MP1B	Mx	0	12
61	MP1C	X	.634	12
62	MP1C	Z	.366	12
63	MP1C	Mx	-.000317	12
64	MP1A	X	3.129	30
65	MP1A	Z	1.806	30
66	MP1A	Mx	.002	30
67	MP1B	X	4.164	30
68	MP1B	Z	2.404	30
69	MP1B	Mx	0	30
70	MP1C	X	3.129	30
71	MP1C	Z	1.806	30
72	MP1C	Mx	-.002	30
73	MP2A	X	2.732	24
74	MP2A	Z	1.577	24
75	MP2A	Mx	.001	24
76	MP2B	X	4.164	24
77	MP2B	Z	2.404	24
78	MP2B	Mx	0	24
79	MP2C	X	2.732	24
80	MP2C	Z	1.577	24
81	MP2C	Mx	-.001	24
82	MP4A	X	6.3	18
83	MP4A	Z	3.637	18
84	MP4A	Mx	.003	18
85	MP5A	X	3.352	18
86	MP5A	Z	1.935	18
87	MP5A	Mx	-.002	18
88	MP5A	X	3.352	54
89	MP5A	Z	1.935	54
90	MP5A	Mx	-.002	54
91	MP5B	X	5.256	18
92	MP5B	Z	3.034	18
93	MP5B	Mx	0	18
94	MP5B	X	5.256	54
95	MP5B	Z	3.034	54
96	MP5B	Mx	0	54
97	MP5C	X	5.252	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
98	MP5C	Z	3.032	3
99	MP5C	Mx	.003	3
100	MP5C	X	5.252	69
101	MP5C	Z	3.032	69
102	MP5C	Mx	.003	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	5.354	6
2	MP1A	Z	9.273	6
3	MP1A	Mx	.003	6
4	MP1A	X	5.354	66
5	MP1A	Z	9.273	66
6	MP1A	Mx	.003	66
7	MP1B	X	5.354	6
8	MP1B	Z	9.273	6
9	MP1B	Mx	-.008	6
10	MP1B	X	5.354	66
11	MP1B	Z	9.273	66
12	MP1B	Mx	-.008	66
13	MP1C	X	3.847	6
14	MP1C	Z	6.662	6
15	MP1C	Mx	.004	6
16	MP1C	X	3.847	66
17	MP1C	Z	6.662	66
18	MP1C	Mx	.004	66
19	MP1A	X	5.354	6
20	MP1A	Z	9.273	6
21	MP1A	Mx	-.008	6
22	MP1A	X	5.354	66
23	MP1A	Z	9.273	66
24	MP1A	Mx	-.008	66
25	MP1B	X	5.354	6
26	MP1B	Z	9.273	6
27	MP1B	Mx	.003	6
28	MP1B	X	5.354	66
29	MP1B	Z	9.273	66
30	MP1B	Mx	.003	66
31	MP1C	X	3.847	6
32	MP1C	Z	6.662	6
33	MP1C	Mx	.004	6
34	MP1C	X	3.847	66
35	MP1C	Z	6.662	66
36	MP1C	Mx	.004	66
37	MP3A	X	2.562	24
38	MP3A	Z	4.437	24
39	MP3A	Mx	-.001	24
40	MP3A	X	2.562	48
41	MP3A	Z	4.437	48
42	MP3A	Mx	-.001	48
43	MP3B	X	2.562	24
44	MP3B	Z	4.437	24
45	MP3B	Mx	-.001	24
46	MP3B	X	2.562	48
47	MP3B	Z	4.437	48
48	MP3B	Mx	-.001	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
49	MP3C	X	1.183	24
50	MP3C	Z	2.049	24
51	MP3C	Mx	.001	24
52	MP3C	X	1.183	48
53	MP3C	Z	2.049	48
54	MP3C	Mx	.001	48
55	MP1A	X	.439	12
56	MP1A	Z	.761	12
57	MP1A	Mx	.00022	12
58	MP1B	X	.439	12
59	MP1B	Z	.761	12
60	MP1B	Mx	.00022	12
61	MP1C	X	.329	12
62	MP1C	Z	.57	12
63	MP1C	Mx	-.000329	12
64	MP1A	X	2.205	30
65	MP1A	Z	3.819	30
66	MP1A	Mx	.001	30
67	MP1B	X	2.205	30
68	MP1B	Z	3.819	30
69	MP1B	Mx	.001	30
70	MP1C	X	1.607	30
71	MP1C	Z	2.784	30
72	MP1C	Mx	-.002	30
73	MP2A	X	2.129	24
74	MP2A	Z	3.687	24
75	MP2A	Mx	.001	24
76	MP2B	X	2.129	24
77	MP2B	Z	3.687	24
78	MP2B	Mx	.001	24
79	MP2C	X	1.302	24
80	MP2C	Z	2.255	24
81	MP2C	Mx	-.001	24
82	MP4A	X	4.461	18
83	MP4A	Z	7.727	18
84	MP4A	Mx	.002	18
85	MP5A	X	2.668	18
86	MP5A	Z	4.621	18
87	MP5A	Mx	-.001	18
88	MP5A	X	2.668	54
89	MP5A	Z	4.621	54
90	MP5A	Mx	-.001	54
91	MP5B	X	2.668	18
92	MP5B	Z	4.621	18
93	MP5B	Mx	-.001	18
94	MP5B	X	2.668	54
95	MP5B	Z	4.621	54
96	MP5B	Mx	-.001	54
97	MP5C	X	2.419	3
98	MP5C	Z	4.189	3
99	MP5C	Mx	.002	3
100	MP5C	X	2.419	69
101	MP5C	Z	4.189	69
102	MP5C	Mx	.002	69

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	6
2	MP1A	Z	11.713	6
3	MP1A	Mx	.007	6
4	MP1A	X	0	66
5	MP1A	Z	11.713	66
6	MP1A	Mx	.007	66
7	MP1B	X	0	6
8	MP1B	Z	8.698	6
9	MP1B	Mx	-.006	6
10	MP1B	X	0	66
11	MP1B	Z	8.698	66
12	MP1B	Mx	-.006	66
13	MP1C	X	0	6
14	MP1C	Z	8.698	6
15	MP1C	Mx	.001	6
16	MP1C	X	0	66
17	MP1C	Z	8.698	66
18	MP1C	Mx	.001	66
19	MP1A	X	0	6
20	MP1A	Z	11.713	6
21	MP1A	Mx	-.007	6
22	MP1A	X	0	66
23	MP1A	Z	11.713	66
24	MP1A	Mx	-.007	66
25	MP1B	X	0	6
26	MP1B	Z	8.698	6
27	MP1B	Mx	-.001	6
28	MP1B	X	0	66
29	MP1B	Z	8.698	66
30	MP1B	Mx	-.001	66
31	MP1C	X	0	6
32	MP1C	Z	8.698	6
33	MP1C	Mx	.006	6
34	MP1C	X	0	66
35	MP1C	Z	8.698	66
36	MP1C	Mx	.006	66
37	MP3A	X	0	24
38	MP3A	Z	6.043	24
39	MP3A	Mx	0	24
40	MP3A	X	0	48
41	MP3A	Z	6.043	48
42	MP3A	Mx	0	48
43	MP3B	X	0	24
44	MP3B	Z	3.285	24
45	MP3B	Mx	-.001	24
46	MP3B	X	0	48
47	MP3B	Z	3.285	48
48	MP3B	Mx	-.001	48
49	MP3C	X	0	24
50	MP3C	Z	3.285	24
51	MP3C	Mx	.001	24
52	MP3C	X	0	48
53	MP3C	Z	3.285	48
54	MP3C	Mx	.001	48
55	MP1A	X	0	12
56	MP1A	Z	.951	12
57	MP1A	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
58	MP1B	X	0	12
59	MP1B	Z	.732	12
60	MP1B	Mx	.000317	12
61	MP1C	X	0	12
62	MP1C	Z	.732	12
63	MP1C	Mx	-.000317	12
64	MP1A	X	0	30
65	MP1A	Z	4.809	30
66	MP1A	Mx	0	30
67	MP1B	X	0	30
68	MP1B	Z	3.613	30
69	MP1B	Mx	.002	30
70	MP1C	X	0	30
71	MP1C	Z	3.613	30
72	MP1C	Mx	-.002	30
73	MP2A	X	0	24
74	MP2A	Z	4.809	24
75	MP2A	Mx	0	24
76	MP2B	X	0	24
77	MP2B	Z	3.155	24
78	MP2B	Mx	.001	24
79	MP2C	X	0	24
80	MP2C	Z	3.155	24
81	MP2C	Mx	-.001	24
82	MP4A	X	0	18
83	MP4A	Z	9.746	18
84	MP4A	Mx	0	18
85	MP5A	X	0	18
86	MP5A	Z	6.069	18
87	MP5A	Mx	0	18
88	MP5A	X	0	54
89	MP5A	Z	6.069	54
90	MP5A	Mx	0	54
91	MP5B	X	0	18
92	MP5B	Z	3.87	18
93	MP5B	Mx	-.002	18
94	MP5B	X	0	54
95	MP5B	Z	3.87	54
96	MP5B	Mx	-.002	54
97	MP5C	X	0	3
98	MP5C	Z	6.065	3
99	MP5C	Mx	.003	3
100	MP5C	X	0	69
101	MP5C	Z	6.065	69
102	MP5C	Mx	.003	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-5.354	6
2	MP1A	Z	9.273	6
3	MP1A	Mx	.008	6
4	MP1A	X	-5.354	66
5	MP1A	Z	9.273	66
6	MP1A	Mx	.008	66
7	MP1B	X	-3.847	6
8	MP1B	Z	6.662	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP1B	Mx	-.004	6
10	MP1B	X	-3.847	66
11	MP1B	Z	6.662	66
12	MP1B	Mx	-.004	66
13	MP1C	X	-5.354	6
14	MP1C	Z	9.273	6
15	MP1C	Mx	-.003	6
16	MP1C	X	-5.354	66
17	MP1C	Z	9.273	66
18	MP1C	Mx	-.003	66
19	MP1A	X	-5.354	6
20	MP1A	Z	9.273	6
21	MP1A	Mx	-.003	6
22	MP1A	X	-5.354	66
23	MP1A	Z	9.273	66
24	MP1A	Mx	-.003	66
25	MP1B	X	-3.847	6
26	MP1B	Z	6.662	6
27	MP1B	Mx	-.004	6
28	MP1B	X	-3.847	66
29	MP1B	Z	6.662	66
30	MP1B	Mx	-.004	66
31	MP1C	X	-5.354	6
32	MP1C	Z	9.273	6
33	MP1C	Mx	.008	6
34	MP1C	X	-5.354	66
35	MP1C	Z	9.273	66
36	MP1C	Mx	.008	66
37	MP3A	X	-2.562	24
38	MP3A	Z	4.437	24
39	MP3A	Mx	.001	24
40	MP3A	X	-2.562	48
41	MP3A	Z	4.437	48
42	MP3A	Mx	.001	48
43	MP3B	X	-1.183	24
44	MP3B	Z	2.049	24
45	MP3B	Mx	-.001	24
46	MP3B	X	-1.183	48
47	MP3B	Z	2.049	48
48	MP3B	Mx	-.001	48
49	MP3C	X	-2.562	24
50	MP3C	Z	4.437	24
51	MP3C	Mx	.001	24
52	MP3C	X	-2.562	48
53	MP3C	Z	4.437	48
54	MP3C	Mx	.001	48
55	MP1A	X	-.439	12
56	MP1A	Z	.761	12
57	MP1A	Mx	-.00022	12
58	MP1B	X	-.329	12
59	MP1B	Z	.57	12
60	MP1B	Mx	.000329	12
61	MP1C	X	-.439	12
62	MP1C	Z	.761	12
63	MP1C	Mx	-.00022	12
64	MP1A	X	-2.205	30
65	MP1A	Z	3.819	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
66	MP1A	Mx	-.001	30
67	MP1B	X	-1.607	30
68	MP1B	Z	2.784	30
69	MP1B	Mx	.002	30
70	MP1C	X	-2.205	30
71	MP1C	Z	3.819	30
72	MP1C	Mx	-.001	30
73	MP2A	X	-2.129	24
74	MP2A	Z	3.687	24
75	MP2A	Mx	-.001	24
76	MP2B	X	-1.302	24
77	MP2B	Z	2.255	24
78	MP2B	Mx	.001	24
79	MP2C	X	-2.129	24
80	MP2C	Z	3.687	24
81	MP2C	Mx	-.001	24
82	MP4A	X	-4.461	18
83	MP4A	Z	7.727	18
84	MP4A	Mx	-.002	18
85	MP5A	X	-2.668	18
86	MP5A	Z	4.621	18
87	MP5A	Mx	.001	18
88	MP5A	X	-2.668	54
89	MP5A	Z	4.621	54
90	MP5A	Mx	.001	54
91	MP5B	X	-1.569	18
92	MP5B	Z	2.717	18
93	MP5B	Mx	-.002	18
94	MP5B	X	-1.569	54
95	MP5B	Z	2.717	54
96	MP5B	Mx	-.002	54
97	MP5C	X	-4.259	3
98	MP5C	Z	7.378	3
99	MP5C	Mx	.002	3
100	MP5C	X	-4.259	69
101	MP5C	Z	7.378	69
102	MP5C	Mx	.002	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-7.533	6
2	MP1A	Z	4.349	6
3	MP1A	Mx	.006	6
4	MP1A	X	-7.533	66
5	MP1A	Z	4.349	66
6	MP1A	Mx	.006	66
7	MP1B	X	-7.533	6
8	MP1B	Z	4.349	6
9	MP1B	Mx	-.001	6
10	MP1B	X	-7.533	66
11	MP1B	Z	4.349	66
12	MP1B	Mx	-.001	66
13	MP1C	X	-10.144	6
14	MP1C	Z	5.857	6
15	MP1C	Mx	-.007	6
16	MP1C	X	-10.144	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP1C	Z	5.857	66
18	MP1C	Mx	-.007	66
19	MP1A	X	-7.533	6
20	MP1A	Z	4.349	6
21	MP1A	Mx	.001	6
22	MP1A	X	-7.533	66
23	MP1A	Z	4.349	66
24	MP1A	Mx	.001	66
25	MP1B	X	-7.533	6
26	MP1B	Z	4.349	6
27	MP1B	Mx	-.006	6
28	MP1B	X	-7.533	66
29	MP1B	Z	4.349	66
30	MP1B	Mx	-.006	66
31	MP1C	X	-10.144	6
32	MP1C	Z	5.857	6
33	MP1C	Mx	.007	6
34	MP1C	X	-10.144	66
35	MP1C	Z	5.857	66
36	MP1C	Mx	.007	66
37	MP3A	X	-2.845	24
38	MP3A	Z	1.643	24
39	MP3A	Mx	.001	24
40	MP3A	X	-2.845	48
41	MP3A	Z	1.643	48
42	MP3A	Mx	.001	48
43	MP3B	X	-2.845	24
44	MP3B	Z	1.643	24
45	MP3B	Mx	-.001	24
46	MP3B	X	-2.845	48
47	MP3B	Z	1.643	48
48	MP3B	Mx	-.001	48
49	MP3C	X	-5.233	24
50	MP3C	Z	3.021	24
51	MP3C	Mx	0	24
52	MP3C	X	-5.233	48
53	MP3C	Z	3.021	48
54	MP3C	Mx	0	48
55	MP1A	X	-.634	12
56	MP1A	Z	.366	12
57	MP1A	Mx	-.000317	12
58	MP1B	X	-.634	12
59	MP1B	Z	.366	12
60	MP1B	Mx	.000317	12
61	MP1C	X	-.824	12
62	MP1C	Z	.476	12
63	MP1C	Mx	0	12
64	MP1A	X	-3.129	30
65	MP1A	Z	1.806	30
66	MP1A	Mx	-.002	30
67	MP1B	X	-3.129	30
68	MP1B	Z	1.806	30
69	MP1B	Mx	.002	30
70	MP1C	X	-4.164	30
71	MP1C	Z	2.404	30
72	MP1C	Mx	0	30
73	MP2A	X	-2.732	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
74	MP2A	Z	1.577	24
75	MP2A	Mx	-.001	24
76	MP2B	X	-2.732	24
77	MP2B	Z	1.577	24
78	MP2B	Mx	.001	24
79	MP2C	X	-4.164	24
80	MP2C	Z	2.404	24
81	MP2C	Mx	0	24
82	MP4A	X	-6.3	18
83	MP4A	Z	3.637	18
84	MP4A	Mx	-.003	18
85	MP5A	X	-3.352	18
86	MP5A	Z	1.935	18
87	MP5A	Mx	.002	18
88	MP5A	X	-3.352	54
89	MP5A	Z	1.935	54
90	MP5A	Mx	.002	54
91	MP5B	X	-3.352	18
92	MP5B	Z	1.935	18
93	MP5B	Mx	-.002	18
94	MP5B	X	-3.352	54
95	MP5B	Z	1.935	54
96	MP5B	Mx	-.002	54
97	MP5C	X	-8.44	3
98	MP5C	Z	4.873	3
99	MP5C	Mx	0	3
100	MP5C	X	-8.44	69
101	MP5C	Z	4.873	69
102	MP5C	Mx	0	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-7.693	6
2	MP1A	Z	0	6
3	MP1A	Mx	.004	6
4	MP1A	X	-7.693	66
5	MP1A	Z	0	66
6	MP1A	Mx	.004	66
7	MP1B	X	-10.708	6
8	MP1B	Z	0	6
9	MP1B	Mx	.003	6
10	MP1B	X	-10.708	66
11	MP1B	Z	0	66
12	MP1B	Mx	.003	66
13	MP1C	X	-10.708	6
14	MP1C	Z	0	6
15	MP1C	Mx	-.008	6
16	MP1C	X	-10.708	66
17	MP1C	Z	0	66
18	MP1C	Mx	-.008	66
19	MP1A	X	-7.693	6
20	MP1A	Z	0	6
21	MP1A	Mx	.004	6
22	MP1A	X	-7.693	66
23	MP1A	Z	0	66
24	MP1A	Mx	.004	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP1B	X	-10.708	6
26	MP1B	Z	0	6
27	MP1B	Mx	-.008	6
28	MP1B	X	-10.708	66
29	MP1B	Z	0	66
30	MP1B	Mx	-.008	66
31	MP1C	X	-10.708	6
32	MP1C	Z	0	6
33	MP1C	Mx	.003	6
34	MP1C	X	-10.708	66
35	MP1C	Z	0	66
36	MP1C	Mx	.003	66
37	MP3A	X	-2.366	24
38	MP3A	Z	0	24
39	MP3A	Mx	.001	24
40	MP3A	X	-2.366	48
41	MP3A	Z	0	48
42	MP3A	Mx	.001	48
43	MP3B	X	-5.124	24
44	MP3B	Z	0	24
45	MP3B	Mx	-.001	24
46	MP3B	X	-5.124	48
47	MP3B	Z	0	48
48	MP3B	Mx	-.001	48
49	MP3C	X	-5.124	24
50	MP3C	Z	0	24
51	MP3C	Mx	-.001	24
52	MP3C	X	-5.124	48
53	MP3C	Z	0	48
54	MP3C	Mx	-.001	48
55	MP1A	X	-.658	12
56	MP1A	Z	0	12
57	MP1A	Mx	-.000329	12
58	MP1B	X	-.878	12
59	MP1B	Z	0	12
60	MP1B	Mx	.00022	12
61	MP1C	X	-.878	12
62	MP1C	Z	0	12
63	MP1C	Mx	.00022	12
64	MP1A	X	-3.214	30
65	MP1A	Z	0	30
66	MP1A	Mx	-.002	30
67	MP1B	X	-4.41	30
68	MP1B	Z	0	30
69	MP1B	Mx	.001	30
70	MP1C	X	-4.41	30
71	MP1C	Z	0	30
72	MP1C	Mx	.001	30
73	MP2A	X	-2.604	24
74	MP2A	Z	0	24
75	MP2A	Mx	-.001	24
76	MP2B	X	-4.257	24
77	MP2B	Z	0	24
78	MP2B	Mx	.001	24
79	MP2C	X	-4.257	24
80	MP2C	Z	0	24
81	MP2C	Mx	.001	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
82	MP4A	X	-6.451	18
83	MP4A	Z	0	18
84	MP4A	Mx	-.003	18
85	MP5A	X	-3.138	18
86	MP5A	Z	0	18
87	MP5A	Mx	.002	18
88	MP5A	X	-3.138	54
89	MP5A	Z	0	54
90	MP5A	Mx	.002	54
91	MP5B	X	-5.336	18
92	MP5B	Z	0	18
93	MP5B	Mx	-.001	18
94	MP5B	X	-5.336	54
95	MP5B	Z	0	54
96	MP5B	Mx	-.001	54
97	MP5C	X	-8.519	3
98	MP5C	Z	0	3
99	MP5C	Mx	-.002	3
100	MP5C	X	-8.519	69
101	MP5C	Z	0	69
102	MP5C	Mx	-.002	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-7.533	6
2	MP1A	Z	-4.349	6
3	MP1A	Mx	.001	6
4	MP1A	X	-7.533	66
5	MP1A	Z	-4.349	66
6	MP1A	Mx	.001	66
7	MP1B	X	-10.144	6
8	MP1B	Z	-5.857	6
9	MP1B	Mx	.007	6
10	MP1B	X	-10.144	66
11	MP1B	Z	-5.857	66
12	MP1B	Mx	.007	66
13	MP1C	X	-7.533	6
14	MP1C	Z	-4.349	6
15	MP1C	Mx	-.006	6
16	MP1C	X	-7.533	66
17	MP1C	Z	-4.349	66
18	MP1C	Mx	-.006	66
19	MP1A	X	-7.533	6
20	MP1A	Z	-4.349	6
21	MP1A	Mx	.006	6
22	MP1A	X	-7.533	66
23	MP1A	Z	-4.349	66
24	MP1A	Mx	.006	66
25	MP1B	X	-10.144	6
26	MP1B	Z	-5.857	6
27	MP1B	Mx	-.007	6
28	MP1B	X	-10.144	66
29	MP1B	Z	-5.857	66
30	MP1B	Mx	-.007	66
31	MP1C	X	-7.533	6
32	MP1C	Z	-4.349	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP1C	Mx	-.001	6
34	MP1C	X	-7.533	66
35	MP1C	Z	-4.349	66
36	MP1C	Mx	-.001	66
37	MP3A	X	-2.845	24
38	MP3A	Z	-1.643	24
39	MP3A	Mx	.001	24
40	MP3A	X	-2.845	48
41	MP3A	Z	-1.643	48
42	MP3A	Mx	.001	48
43	MP3B	X	-5.233	24
44	MP3B	Z	-3.021	24
45	MP3B	Mx	0	24
46	MP3B	X	-5.233	48
47	MP3B	Z	-3.021	48
48	MP3B	Mx	0	48
49	MP3C	X	-2.845	24
50	MP3C	Z	-1.643	24
51	MP3C	Mx	-.001	24
52	MP3C	X	-2.845	48
53	MP3C	Z	-1.643	48
54	MP3C	Mx	-.001	48
55	MP1A	X	-.634	12
56	MP1A	Z	-.366	12
57	MP1A	Mx	-.000317	12
58	MP1B	X	-.824	12
59	MP1B	Z	-.476	12
60	MP1B	Mx	0	12
61	MP1C	X	-.634	12
62	MP1C	Z	-.366	12
63	MP1C	Mx	.000317	12
64	MP1A	X	-3.129	30
65	MP1A	Z	-1.806	30
66	MP1A	Mx	-.002	30
67	MP1B	X	-4.164	30
68	MP1B	Z	-2.404	30
69	MP1B	Mx	0	30
70	MP1C	X	-3.129	30
71	MP1C	Z	-1.806	30
72	MP1C	Mx	.002	30
73	MP2A	X	-2.732	24
74	MP2A	Z	-1.577	24
75	MP2A	Mx	-.001	24
76	MP2B	X	-4.164	24
77	MP2B	Z	-2.404	24
78	MP2B	Mx	0	24
79	MP2C	X	-2.732	24
80	MP2C	Z	-1.577	24
81	MP2C	Mx	.001	24
82	MP4A	X	-6.3	18
83	MP4A	Z	-3.637	18
84	MP4A	Mx	-.003	18
85	MP5A	X	-3.352	18
86	MP5A	Z	-1.935	18
87	MP5A	Mx	.002	18
88	MP5A	X	-3.352	54
89	MP5A	Z	-1.935	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
90	MP5A	Mx	.002	54
91	MP5B	X	-5.256	18
92	MP5B	Z	-3.034	18
93	MP5B	Mx	0	18
94	MP5B	X	-5.256	54
95	MP5B	Z	-3.034	54
96	MP5B	Mx	0	54
97	MP5C	X	-5.252	3
98	MP5C	Z	-3.032	3
99	MP5C	Mx	-.003	3
100	MP5C	X	-5.252	69
101	MP5C	Z	-3.032	69
102	MP5C	Mx	-.003	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-5.354	6
2	MP1A	Z	-9.273	6
3	MP1A	Mx	-.003	6
4	MP1A	X	-5.354	66
5	MP1A	Z	-9.273	66
6	MP1A	Mx	-.003	66
7	MP1B	X	-5.354	6
8	MP1B	Z	-9.273	6
9	MP1B	Mx	.008	6
10	MP1B	X	-5.354	66
11	MP1B	Z	-9.273	66
12	MP1B	Mx	.008	66
13	MP1C	X	-3.847	6
14	MP1C	Z	-6.662	6
15	MP1C	Mx	-.004	6
16	MP1C	X	-3.847	66
17	MP1C	Z	-6.662	66
18	MP1C	Mx	-.004	66
19	MP1A	X	-5.354	6
20	MP1A	Z	-9.273	6
21	MP1A	Mx	.008	6
22	MP1A	X	-5.354	66
23	MP1A	Z	-9.273	66
24	MP1A	Mx	.008	66
25	MP1B	X	-5.354	6
26	MP1B	Z	-9.273	6
27	MP1B	Mx	-.003	6
28	MP1B	X	-5.354	66
29	MP1B	Z	-9.273	66
30	MP1B	Mx	-.003	66
31	MP1C	X	-3.847	6
32	MP1C	Z	-6.662	6
33	MP1C	Mx	-.004	6
34	MP1C	X	-3.847	66
35	MP1C	Z	-6.662	66
36	MP1C	Mx	-.004	66
37	MP3A	X	-2.562	24
38	MP3A	Z	-4.437	24
39	MP3A	Mx	.001	24
40	MP3A	X	-2.562	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	MP3A	Z	-4.437	48
42	MP3A	Mx	.001	48
43	MP3B	X	-2.562	24
44	MP3B	Z	-4.437	24
45	MP3B	Mx	.001	24
46	MP3B	X	-2.562	48
47	MP3B	Z	-4.437	48
48	MP3B	Mx	.001	48
49	MP3C	X	-1.183	24
50	MP3C	Z	-2.049	24
51	MP3C	Mx	-.001	24
52	MP3C	X	-1.183	48
53	MP3C	Z	-2.049	48
54	MP3C	Mx	-.001	48
55	MP1A	X	-.439	12
56	MP1A	Z	-.761	12
57	MP1A	Mx	-.00022	12
58	MP1B	X	-.439	12
59	MP1B	Z	-.761	12
60	MP1B	Mx	-.00022	12
61	MP1C	X	-.329	12
62	MP1C	Z	-.57	12
63	MP1C	Mx	.000329	12
64	MP1A	X	-2.205	30
65	MP1A	Z	-3.819	30
66	MP1A	Mx	-.001	30
67	MP1B	X	-2.205	30
68	MP1B	Z	-3.819	30
69	MP1B	Mx	-.001	30
70	MP1C	X	-1.607	30
71	MP1C	Z	-2.784	30
72	MP1C	Mx	.002	30
73	MP2A	X	-2.129	24
74	MP2A	Z	-3.687	24
75	MP2A	Mx	-.001	24
76	MP2B	X	-2.129	24
77	MP2B	Z	-3.687	24
78	MP2B	Mx	-.001	24
79	MP2C	X	-1.302	24
80	MP2C	Z	-2.255	24
81	MP2C	Mx	.001	24
82	MP4A	X	-4.461	18
83	MP4A	Z	-7.727	18
84	MP4A	Mx	-.002	18
85	MP5A	X	-2.668	18
86	MP5A	Z	-4.621	18
87	MP5A	Mx	.001	18
88	MP5A	X	-2.668	54
89	MP5A	Z	-4.621	54
90	MP5A	Mx	.001	54
91	MP5B	X	-2.668	18
92	MP5B	Z	-4.621	18
93	MP5B	Mx	.001	18
94	MP5B	X	-2.668	54
95	MP5B	Z	-4.621	54
96	MP5B	Mx	.001	54
97	MP5C	X	-2.419	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
98	MP5C	Z	-4.189	3
99	MP5C	Mx	-.002	3
100	MP5C	X	-2.419	69
101	MP5C	Z	-4.189	69
102	MP5C	Mx	-.002	69

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M1	Y	-500	%92

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M1	Y	-500	%50

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	Y	-7.472	-7.472	0	%100
2	M2	Y	-7.472	-7.472	0	%100
3	M3	Y	-7.472	-7.472	0	%100
4	M4	Y	-7.472	-7.472	0	%100
5	M5	Y	-9.436	-9.436	0	%100
6	M8	Y	-10.418	-10.418	0	%100
7	M9	Y	-7.472	-7.472	0	%100
8	M10	Y	-7.472	-7.472	0	%100
9	M11	Y	-7.472	-7.472	0	%100
10	M12	Y	-7.472	-7.472	0	%100
11	M13	Y	-9.436	-9.436	0	%100
12	M16	Y	-10.418	-10.418	0	%100
13	M17	Y	-7.472	-7.472	0	%100
14	M18	Y	-7.472	-7.472	0	%100
15	M19	Y	-7.472	-7.472	0	%100
16	M20	Y	-7.472	-7.472	0	%100
17	M21	Y	-9.436	-9.436	0	%100
18	M24	Y	-10.418	-10.418	0	%100
19	MP1A	Y	-4.878	-4.878	0	%100
20	MP2A	Y	-4.878	-4.878	0	%100
21	MP3A	Y	-4.878	-4.878	0	%100
22	MP4A	Y	-4.878	-4.878	0	%100
23	MP5A	Y	-4.878	-4.878	0	%100
24	MP1C	Y	-4.878	-4.878	0	%100
25	MP2C	Y	-4.878	-4.878	0	%100
26	MP3C	Y	-4.878	-4.878	0	%100
27	MP4C	Y	-4.878	-4.878	0	%100
28	MP5C	Y	-4.878	-4.878	0	%100
29	MP1B	Y	-4.878	-4.878	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
30	MP2B	Y	-4.878	-4.878	0	%100
31	MP3B	Y	-4.878	-4.878	0	%100
32	MP4B	Y	-4.878	-4.878	0	%100
33	MP5B	Y	-4.878	-4.878	0	%100
34	M69	Y	-5.572	-5.572	0	%100
35	M77	Y	-5.572	-5.572	0	%100
36	M85	Y	-5.572	-5.572	0	%100
37	M91	Y	-6.49	-6.49	0	%100
38	M92	Y	-6.49	-6.49	0	%100
39	M93	Y	-6.49	-6.49	0	%100
40	M94	Y	-6.49	-6.49	0	%100
41	M95	Y	-6.49	-6.49	0	%100
42	M96	Y	-6.49	-6.49	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[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	-20.572	-20.572	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-12.982	-12.982	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-20.572	-20.572	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-12.982	-12.982	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-5.143	-5.143	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-5.4e-5	-5.4e-5	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-5.143	-5.143	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	-12.929	-12.929	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	-8.814	-8.814	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-11.436	-11.436	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-5.143	-5.143	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-12.929	-12.929	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-5.143	-5.143	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-5.4e-5	-5.4e-5	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-8.814	-8.814	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	-11.436	-11.436	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-9.772	-9.772	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	-9.772	-9.772	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[in,%]	End Location[in,%]
41	MP3A	X	0	0	0	%100
42	MP3A	Z	-9.772	-9.772	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	-9.772	-9.772	0	%100
45	MP5A	X	0	0	0	%100
46	MP5A	Z	-9.772	-9.772	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	-9.772	-9.772	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	-9.772	-9.772	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	-9.772	-9.772	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	-9.772	-9.772	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	-9.772	-9.772	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	-9.772	-9.772	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	-9.772	-9.772	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	-9.772	-9.772	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-9.772	-9.772	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	-9.772	-9.772	0	%100
67	M69	X	0	0	0	%100
68	M69	Z	-11.829	-11.829	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	-2.957	-2.957	0	%100
71	M85	X	0	0	0	%100
72	M85	Z	-2.957	-2.957	0	%100
73	M91	X	0	0	0	%100
74	M91	Z	-9.799	-9.799	0	%100
75	M92	X	0	0	0	%100
76	M92	Z	-9.799	-9.799	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	-15.453	-15.453	0	%100
79	M94	X	0	0	0	%100
80	M94	Z	-3.865	-3.865	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-3.865	-3.865	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	-15.453	-15.453	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	7.714	7.714	0	%100
2	M1	Z	-13.362	-13.362	0	%100
3	M2	X	8.637	8.637	0	%100
4	M2	Z	-14.959	-14.959	0	%100
5	M3	X	7.714	7.714	0	%100
6	M3	Z	-13.362	-13.362	0	%100
7	M4	X	2.172	2.172	0	%100
8	M4	Z	-3.763	-3.763	0	%100
9	M5	X	1.469	1.469	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[in,%]	End Location[in,%]
10	M5	Z	-2.545	-2.545	0	%100
11	M8	X	1.906	1.906	0	%100
12	M8	Z	-3.301	-3.301	0	%100
13	M9	X	7.714	7.714	0	%100
14	M9	Z	-13.362	-13.362	0	%100
15	M10	X	2.172	2.172	0	%100
16	M10	Z	-3.763	-3.763	0	%100
17	M11	X	7.714	7.714	0	%100
18	M11	Z	-13.362	-13.362	0	%100
19	M12	X	8.637	8.637	0	%100
20	M12	Z	-14.959	-14.959	0	%100
21	M13	X	1.469	1.469	0	%100
22	M13	Z	-2.545	-2.545	0	%100
23	M16	X	1.906	1.906	0	%100
24	M16	Z	-3.301	-3.301	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	2.146	2.146	0	%100
28	M18	Z	-3.717	-3.717	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	2.146	2.146	0	%100
32	M20	Z	-3.717	-3.717	0	%100
33	M21	X	5.876	5.876	0	%100
34	M21	Z	-10.178	-10.178	0	%100
35	M24	X	7.624	7.624	0	%100
36	M24	Z	-13.205	-13.205	0	%100
37	MP1A	X	4.886	4.886	0	%100
38	MP1A	Z	-8.463	-8.463	0	%100
39	MP2A	X	4.886	4.886	0	%100
40	MP2A	Z	-8.463	-8.463	0	%100
41	MP3A	X	4.886	4.886	0	%100
42	MP3A	Z	-8.463	-8.463	0	%100
43	MP4A	X	4.886	4.886	0	%100
44	MP4A	Z	-8.463	-8.463	0	%100
45	MP5A	X	4.886	4.886	0	%100
46	MP5A	Z	-8.463	-8.463	0	%100
47	MP1C	X	4.886	4.886	0	%100
48	MP1C	Z	-8.463	-8.463	0	%100
49	MP2C	X	4.886	4.886	0	%100
50	MP2C	Z	-8.463	-8.463	0	%100
51	MP3C	X	4.886	4.886	0	%100
52	MP3C	Z	-8.463	-8.463	0	%100
53	MP4C	X	4.886	4.886	0	%100
54	MP4C	Z	-8.463	-8.463	0	%100
55	MP5C	X	4.886	4.886	0	%100
56	MP5C	Z	-8.463	-8.463	0	%100
57	MP1B	X	4.886	4.886	0	%100
58	MP1B	Z	-8.463	-8.463	0	%100
59	MP2B	X	4.886	4.886	0	%100
60	MP2B	Z	-8.463	-8.463	0	%100
61	MP3B	X	4.886	4.886	0	%100
62	MP3B	Z	-8.463	-8.463	0	%100
63	MP4B	X	4.886	4.886	0	%100
64	MP4B	Z	-8.463	-8.463	0	%100
65	MP5B	X	4.886	4.886	0	%100
66	MP5B	Z	-8.463	-8.463	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[in,%]	End Location[in,%]
67	M69	X	4.436	4.436	0	%100
68	M69	Z	-7.683	-7.683	0	%100
69	M77	X	4.436	4.436	0	%100
70	M77	Z	-7.683	-7.683	0	%100
71	M85	X	0	0	0	%100
72	M85	Z	0	0	0	%100
73	M91	X	1.979	1.979	0	%100
74	M91	Z	-3.429	-3.429	0	%100
75	M92	X	7.773	7.773	0	%100
76	M92	Z	-13.464	-13.464	0	%100
77	M93	X	7.773	7.773	0	%100
78	M93	Z	-13.464	-13.464	0	%100
79	M94	X	1.979	1.979	0	%100
80	M94	Z	-3.429	-3.429	0	%100
81	M95	X	4.806	4.806	0	%100
82	M95	Z	-8.325	-8.325	0	%100
83	M96	X	4.806	4.806	0	%100
84	M96	Z	-8.325	-8.325	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[in,%]	End Location[in,%]
1	M1	X	4.454	4.454	0	%100
2	M1	Z	-2.571	-2.571	0	%100
3	M2	X	11.197	11.197	0	%100
4	M2	Z	-6.464	-6.464	0	%100
5	M3	X	4.454	4.454	0	%100
6	M3	Z	-2.571	-2.571	0	%100
7	M4	X	4.7e-5	4.7e-5	0	%100
8	M4	Z	-2.7e-5	-2.7e-5	0	%100
9	M5	X	7.634	7.634	0	%100
10	M5	Z	-4.407	-4.407	0	%100
11	M8	X	9.904	9.904	0	%100
12	M8	Z	-5.718	-5.718	0	%100
13	M9	X	17.816	17.816	0	%100
14	M9	Z	-10.286	-10.286	0	%100
15	M10	X	11.242	11.242	0	%100
16	M10	Z	-6.491	-6.491	0	%100
17	M11	X	17.816	17.816	0	%100
18	M11	Z	-10.286	-10.286	0	%100
19	M12	X	11.242	11.242	0	%100
20	M12	Z	-6.491	-6.491	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	4.454	4.454	0	%100
26	M17	Z	-2.571	-2.571	0	%100
27	M18	X	4.7e-5	4.7e-5	0	%100
28	M18	Z	-2.7e-5	-2.7e-5	0	%100
29	M19	X	4.454	4.454	0	%100
30	M19	Z	-2.571	-2.571	0	%100
31	M20	X	11.197	11.197	0	%100
32	M20	Z	-6.464	-6.464	0	%100
33	M21	X	7.634	7.634	0	%100
34	M21	Z	-4.407	-4.407	0	%100
35	M24	X	9.904	9.904	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[in,%]	End Location[in,%]
36	M24	Z	-5.718	-5.718	0	%100
37	MP1A	X	8.463	8.463	0	%100
38	MP1A	Z	-4.886	-4.886	0	%100
39	MP2A	X	8.463	8.463	0	%100
40	MP2A	Z	-4.886	-4.886	0	%100
41	MP3A	X	8.463	8.463	0	%100
42	MP3A	Z	-4.886	-4.886	0	%100
43	MP4A	X	8.463	8.463	0	%100
44	MP4A	Z	-4.886	-4.886	0	%100
45	MP5A	X	8.463	8.463	0	%100
46	MP5A	Z	-4.886	-4.886	0	%100
47	MP1C	X	8.463	8.463	0	%100
48	MP1C	Z	-4.886	-4.886	0	%100
49	MP2C	X	8.463	8.463	0	%100
50	MP2C	Z	-4.886	-4.886	0	%100
51	MP3C	X	8.463	8.463	0	%100
52	MP3C	Z	-4.886	-4.886	0	%100
53	MP4C	X	8.463	8.463	0	%100
54	MP4C	Z	-4.886	-4.886	0	%100
55	MP5C	X	8.463	8.463	0	%100
56	MP5C	Z	-4.886	-4.886	0	%100
57	MP1B	X	8.463	8.463	0	%100
58	MP1B	Z	-4.886	-4.886	0	%100
59	MP2B	X	8.463	8.463	0	%100
60	MP2B	Z	-4.886	-4.886	0	%100
61	MP3B	X	8.463	8.463	0	%100
62	MP3B	Z	-4.886	-4.886	0	%100
63	MP4B	X	8.463	8.463	0	%100
64	MP4B	Z	-4.886	-4.886	0	%100
65	MP5B	X	8.463	8.463	0	%100
66	MP5B	Z	-4.886	-4.886	0	%100
67	M69	X	2.561	2.561	0	%100
68	M69	Z	-1.479	-1.479	0	%100
69	M77	X	10.244	10.244	0	%100
70	M77	Z	-5.914	-5.914	0	%100
71	M85	X	2.561	2.561	0	%100
72	M85	Z	-1.479	-1.479	0	%100
73	M91	X	3.348	3.348	0	%100
74	M91	Z	-1.933	-1.933	0	%100
75	M92	X	13.383	13.383	0	%100
76	M92	Z	-7.726	-7.726	0	%100
77	M93	X	8.487	8.487	0	%100
78	M93	Z	-4.9	-4.9	0	%100
79	M94	X	8.487	8.487	0	%100
80	M94	Z	-4.9	-4.9	0	%100
81	M95	X	13.383	13.383	0	%100
82	M95	Z	-7.726	-7.726	0	%100
83	M96	X	3.348	3.348	0	%100
84	M96	Z	-1.933	-1.933	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[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	4.292	4.292	0	%100
4	M2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	4.292	4.292	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	11.753	11.753	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	15.248	15.248	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	15.429	15.429	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	17.274	17.274	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	15.429	15.429	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	4.345	4.345	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	2.938	2.938	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	3.812	3.812	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	15.429	15.429	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	4.345	4.345	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	15.429	15.429	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	17.274	17.274	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	2.938	2.938	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	3.812	3.812	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	9.772	9.772	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	9.772	9.772	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	9.772	9.772	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	9.772	9.772	0	%100
44	MP4A	Z	0	0	0	%100
45	MP5A	X	9.772	9.772	0	%100
46	MP5A	Z	0	0	0	%100
47	MP1C	X	9.772	9.772	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	9.772	9.772	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	9.772	9.772	0	%100
52	MP3C	Z	0	0	0	%100
53	MP4C	X	9.772	9.772	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	9.772	9.772	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	9.772	9.772	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	9.772	9.772	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	9.772	9.772	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[in,%]	End Location[in,%]
62	MP3B	Z	0	0	0	%100
63	MP4B	X	9.772	9.772	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	9.772	9.772	0	%100
66	MP5B	Z	0	0	0	%100
67	M69	X	0	0	0	%100
68	M69	Z	0	0	0	%100
69	M77	X	8.872	8.872	0	%100
70	M77	Z	0	0	0	%100
71	M85	X	8.872	8.872	0	%100
72	M85	Z	0	0	0	%100
73	M91	X	9.612	9.612	0	%100
74	M91	Z	0	0	0	%100
75	M92	X	9.612	9.612	0	%100
76	M92	Z	0	0	0	%100
77	M93	X	3.959	3.959	0	%100
78	M93	Z	0	0	0	%100
79	M94	X	15.546	15.546	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	15.546	15.546	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	3.959	3.959	0	%100
84	M96	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[in,%]	End Location[in,%]
1	M1	X	4.454	4.454	0	%100
2	M1	Z	2.571	2.571	0	%100
3	M2	X	4.7e-5	4.7e-5	0	%100
4	M2	Z	2.7e-5	2.7e-5	0	%100
5	M3	X	4.454	4.454	0	%100
6	M3	Z	2.571	2.571	0	%100
7	M4	X	11.197	11.197	0	%100
8	M4	Z	6.464	6.464	0	%100
9	M5	X	7.634	7.634	0	%100
10	M5	Z	4.407	4.407	0	%100
11	M8	X	9.904	9.904	0	%100
12	M8	Z	5.718	5.718	0	%100
13	M9	X	4.454	4.454	0	%100
14	M9	Z	2.571	2.571	0	%100
15	M10	X	11.197	11.197	0	%100
16	M10	Z	6.464	6.464	0	%100
17	M11	X	4.454	4.454	0	%100
18	M11	Z	2.571	2.571	0	%100
19	M12	X	4.7e-5	4.7e-5	0	%100
20	M12	Z	2.7e-5	2.7e-5	0	%100
21	M13	X	7.634	7.634	0	%100
22	M13	Z	4.407	4.407	0	%100
23	M16	X	9.904	9.904	0	%100
24	M16	Z	5.718	5.718	0	%100
25	M17	X	17.816	17.816	0	%100
26	M17	Z	10.286	10.286	0	%100
27	M18	X	11.242	11.242	0	%100
28	M18	Z	6.491	6.491	0	%100
29	M19	X	17.816	17.816	0	%100
30	M19	Z	10.286	10.286	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
31	M20	X	11.242	11.242	0	%100
32	M20	Z	6.491	6.491	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	8.463	8.463	0	%100
38	MP1A	Z	4.886	4.886	0	%100
39	MP2A	X	8.463	8.463	0	%100
40	MP2A	Z	4.886	4.886	0	%100
41	MP3A	X	8.463	8.463	0	%100
42	MP3A	Z	4.886	4.886	0	%100
43	MP4A	X	8.463	8.463	0	%100
44	MP4A	Z	4.886	4.886	0	%100
45	MP5A	X	8.463	8.463	0	%100
46	MP5A	Z	4.886	4.886	0	%100
47	MP1C	X	8.463	8.463	0	%100
48	MP1C	Z	4.886	4.886	0	%100
49	MP2C	X	8.463	8.463	0	%100
50	MP2C	Z	4.886	4.886	0	%100
51	MP3C	X	8.463	8.463	0	%100
52	MP3C	Z	4.886	4.886	0	%100
53	MP4C	X	8.463	8.463	0	%100
54	MP4C	Z	4.886	4.886	0	%100
55	MP5C	X	8.463	8.463	0	%100
56	MP5C	Z	4.886	4.886	0	%100
57	MP1B	X	8.463	8.463	0	%100
58	MP1B	Z	4.886	4.886	0	%100
59	MP2B	X	8.463	8.463	0	%100
60	MP2B	Z	4.886	4.886	0	%100
61	MP3B	X	8.463	8.463	0	%100
62	MP3B	Z	4.886	4.886	0	%100
63	MP4B	X	8.463	8.463	0	%100
64	MP4B	Z	4.886	4.886	0	%100
65	MP5B	X	8.463	8.463	0	%100
66	MP5B	Z	4.886	4.886	0	%100
67	M69	X	2.561	2.561	0	%100
68	M69	Z	1.479	1.479	0	%100
69	M77	X	2.561	2.561	0	%100
70	M77	Z	1.479	1.479	0	%100
71	M85	X	10.244	10.244	0	%100
72	M85	Z	5.914	5.914	0	%100
73	M91	X	13.383	13.383	0	%100
74	M91	Z	7.726	7.726	0	%100
75	M92	X	3.348	3.348	0	%100
76	M92	Z	1.933	1.933	0	%100
77	M93	X	3.348	3.348	0	%100
78	M93	Z	1.933	1.933	0	%100
79	M94	X	13.383	13.383	0	%100
80	M94	Z	7.726	7.726	0	%100
81	M95	X	8.487	8.487	0	%100
82	M95	Z	4.9	4.9	0	%100
83	M96	X	8.487	8.487	0	%100
84	M96	Z	4.9	4.9	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[in,%]	End Location[in,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	7.714	7.714	0	%100
2	M1	Z	13.362	13.362	0	%100
3	M2	X	2.172	2.172	0	%100
4	M2	Z	3.763	3.763	0	%100
5	M3	X	7.714	7.714	0	%100
6	M3	Z	13.362	13.362	0	%100
7	M4	X	8.637	8.637	0	%100
8	M4	Z	14.959	14.959	0	%100
9	M5	X	1.469	1.469	0	%100
10	M5	Z	2.545	2.545	0	%100
11	M8	X	1.906	1.906	0	%100
12	M8	Z	3.301	3.301	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	2.146	2.146	0	%100
16	M10	Z	3.717	3.717	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	2.146	2.146	0	%100
20	M12	Z	3.717	3.717	0	%100
21	M13	X	5.876	5.876	0	%100
22	M13	Z	10.178	10.178	0	%100
23	M16	X	7.624	7.624	0	%100
24	M16	Z	13.205	13.205	0	%100
25	M17	X	7.714	7.714	0	%100
26	M17	Z	13.362	13.362	0	%100
27	M18	X	8.637	8.637	0	%100
28	M18	Z	14.959	14.959	0	%100
29	M19	X	7.714	7.714	0	%100
30	M19	Z	13.362	13.362	0	%100
31	M20	X	2.172	2.172	0	%100
32	M20	Z	3.763	3.763	0	%100
33	M21	X	1.469	1.469	0	%100
34	M21	Z	2.545	2.545	0	%100
35	M24	X	1.906	1.906	0	%100
36	M24	Z	3.301	3.301	0	%100
37	MP1A	X	4.886	4.886	0	%100
38	MP1A	Z	8.463	8.463	0	%100
39	MP2A	X	4.886	4.886	0	%100
40	MP2A	Z	8.463	8.463	0	%100
41	MP3A	X	4.886	4.886	0	%100
42	MP3A	Z	8.463	8.463	0	%100
43	MP4A	X	4.886	4.886	0	%100
44	MP4A	Z	8.463	8.463	0	%100
45	MP5A	X	4.886	4.886	0	%100
46	MP5A	Z	8.463	8.463	0	%100
47	MP1C	X	4.886	4.886	0	%100
48	MP1C	Z	8.463	8.463	0	%100
49	MP2C	X	4.886	4.886	0	%100
50	MP2C	Z	8.463	8.463	0	%100
51	MP3C	X	4.886	4.886	0	%100
52	MP3C	Z	8.463	8.463	0	%100
53	MP4C	X	4.886	4.886	0	%100
54	MP4C	Z	8.463	8.463	0	%100
55	MP5C	X	4.886	4.886	0	%100
56	MP5C	Z	8.463	8.463	0	%100
57	MP1B	X	4.886	4.886	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[in,%]	End Location[in,%]
58	MP1B	Z	8.463	8.463	0	%100
59	MP2B	X	4.886	4.886	0	%100
60	MP2B	Z	8.463	8.463	0	%100
61	MP3B	X	4.886	4.886	0	%100
62	MP3B	Z	8.463	8.463	0	%100
63	MP4B	X	4.886	4.886	0	%100
64	MP4B	Z	8.463	8.463	0	%100
65	MP5B	X	4.886	4.886	0	%100
66	MP5B	Z	8.463	8.463	0	%100
67	M69	X	4.436	4.436	0	%100
68	M69	Z	7.683	7.683	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	0	0	0	%100
71	M85	X	4.436	4.436	0	%100
72	M85	Z	7.683	7.683	0	%100
73	M91	X	7.773	7.773	0	%100
74	M91	Z	13.464	13.464	0	%100
75	M92	X	1.979	1.979	0	%100
76	M92	Z	3.429	3.429	0	%100
77	M93	X	4.806	4.806	0	%100
78	M93	Z	8.325	8.325	0	%100
79	M94	X	4.806	4.806	0	%100
80	M94	Z	8.325	8.325	0	%100
81	M95	X	1.979	1.979	0	%100
82	M95	Z	3.429	3.429	0	%100
83	M96	X	7.773	7.773	0	%100
84	M96	Z	13.464	13.464	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[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	20.572	20.572	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	12.982	12.982	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	20.572	20.572	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	12.982	12.982	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	5.143	5.143	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	5.4e-5	5.4e-5	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	5.143	5.143	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	12.929	12.929	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	8.814	8.814	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	11.436	11.436	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	5.143	5.143	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[in,%]	End Location[in,%]
27	M18	X	0	0	0	%100
28	M18	Z	12.929	12.929	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	5.143	5.143	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	5.4e-5	5.4e-5	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	8.814	8.814	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	11.436	11.436	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	9.772	9.772	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	9.772	9.772	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	9.772	9.772	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	9.772	9.772	0	%100
45	MP5A	X	0	0	0	%100
46	MP5A	Z	9.772	9.772	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	9.772	9.772	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	9.772	9.772	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	9.772	9.772	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	9.772	9.772	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	9.772	9.772	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	9.772	9.772	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	9.772	9.772	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	9.772	9.772	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	9.772	9.772	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	9.772	9.772	0	%100
67	M69	X	0	0	0	%100
68	M69	Z	11.829	11.829	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	2.957	2.957	0	%100
71	M85	X	0	0	0	%100
72	M85	Z	2.957	2.957	0	%100
73	M91	X	0	0	0	%100
74	M91	Z	9.799	9.799	0	%100
75	M92	X	0	0	0	%100
76	M92	Z	9.799	9.799	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	15.453	15.453	0	%100
79	M94	X	0	0	0	%100
80	M94	Z	3.865	3.865	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	3.865	3.865	0	%100
83	M96	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
84	M96	Z	15.453	15.453	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[in,%]	End Location[in,%]
1	M1	X	-7.714	-7.714	0	%100
2	M1	Z	13.362	13.362	0	%100
3	M2	X	-8.637	-8.637	0	%100
4	M2	Z	14.959	14.959	0	%100
5	M3	X	-7.714	-7.714	0	%100
6	M3	Z	13.362	13.362	0	%100
7	M4	X	-2.172	-2.172	0	%100
8	M4	Z	3.763	3.763	0	%100
9	M5	X	-1.469	-1.469	0	%100
10	M5	Z	2.545	2.545	0	%100
11	M8	X	-1.906	-1.906	0	%100
12	M8	Z	3.301	3.301	0	%100
13	M9	X	-7.714	-7.714	0	%100
14	M9	Z	13.362	13.362	0	%100
15	M10	X	-2.172	-2.172	0	%100
16	M10	Z	3.763	3.763	0	%100
17	M11	X	-7.714	-7.714	0	%100
18	M11	Z	13.362	13.362	0	%100
19	M12	X	-8.637	-8.637	0	%100
20	M12	Z	14.959	14.959	0	%100
21	M13	X	-1.469	-1.469	0	%100
22	M13	Z	2.545	2.545	0	%100
23	M16	X	-1.906	-1.906	0	%100
24	M16	Z	3.301	3.301	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-2.146	-2.146	0	%100
28	M18	Z	3.717	3.717	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-2.146	-2.146	0	%100
32	M20	Z	3.717	3.717	0	%100
33	M21	X	-5.876	-5.876	0	%100
34	M21	Z	10.178	10.178	0	%100
35	M24	X	-7.624	-7.624	0	%100
36	M24	Z	13.205	13.205	0	%100
37	MP1A	X	-4.886	-4.886	0	%100
38	MP1A	Z	8.463	8.463	0	%100
39	MP2A	X	-4.886	-4.886	0	%100
40	MP2A	Z	8.463	8.463	0	%100
41	MP3A	X	-4.886	-4.886	0	%100
42	MP3A	Z	8.463	8.463	0	%100
43	MP4A	X	-4.886	-4.886	0	%100
44	MP4A	Z	8.463	8.463	0	%100
45	MP5A	X	-4.886	-4.886	0	%100
46	MP5A	Z	8.463	8.463	0	%100
47	MP1C	X	-4.886	-4.886	0	%100
48	MP1C	Z	8.463	8.463	0	%100
49	MP2C	X	-4.886	-4.886	0	%100
50	MP2C	Z	8.463	8.463	0	%100
51	MP3C	X	-4.886	-4.886	0	%100
52	MP3C	Z	8.463	8.463	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[in,%]	End Location[in,%]
53	MP4C	X	-4.886	-4.886	0	%100
54	MP4C	Z	8.463	8.463	0	%100
55	MP5C	X	-4.886	-4.886	0	%100
56	MP5C	Z	8.463	8.463	0	%100
57	MP1B	X	-4.886	-4.886	0	%100
58	MP1B	Z	8.463	8.463	0	%100
59	MP2B	X	-4.886	-4.886	0	%100
60	MP2B	Z	8.463	8.463	0	%100
61	MP3B	X	-4.886	-4.886	0	%100
62	MP3B	Z	8.463	8.463	0	%100
63	MP4B	X	-4.886	-4.886	0	%100
64	MP4B	Z	8.463	8.463	0	%100
65	MP5B	X	-4.886	-4.886	0	%100
66	MP5B	Z	8.463	8.463	0	%100
67	M69	X	-4.436	-4.436	0	%100
68	M69	Z	7.683	7.683	0	%100
69	M77	X	-4.436	-4.436	0	%100
70	M77	Z	7.683	7.683	0	%100
71	M85	X	0	0	0	%100
72	M85	Z	0	0	0	%100
73	M91	X	-1.979	-1.979	0	%100
74	M91	Z	3.429	3.429	0	%100
75	M92	X	-7.773	-7.773	0	%100
76	M92	Z	13.464	13.464	0	%100
77	M93	X	-7.773	-7.773	0	%100
78	M93	Z	13.464	13.464	0	%100
79	M94	X	-1.979	-1.979	0	%100
80	M94	Z	3.429	3.429	0	%100
81	M95	X	-4.806	-4.806	0	%100
82	M95	Z	8.325	8.325	0	%100
83	M96	X	-4.806	-4.806	0	%100
84	M96	Z	8.325	8.325	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[in,%]	End Location[in,%]
1	M1	X	-4.454	-4.454	0	%100
2	M1	Z	2.571	2.571	0	%100
3	M2	X	-11.197	-11.197	0	%100
4	M2	Z	6.464	6.464	0	%100
5	M3	X	-4.454	-4.454	0	%100
6	M3	Z	2.571	2.571	0	%100
7	M4	X	-4.7e-5	-4.7e-5	0	%100
8	M4	Z	2.7e-5	2.7e-5	0	%100
9	M5	X	-7.634	-7.634	0	%100
10	M5	Z	4.407	4.407	0	%100
11	M8	X	-9.904	-9.904	0	%100
12	M8	Z	5.718	5.718	0	%100
13	M9	X	-17.816	-17.816	0	%100
14	M9	Z	10.286	10.286	0	%100
15	M10	X	-11.242	-11.242	0	%100
16	M10	Z	6.491	6.491	0	%100
17	M11	X	-17.816	-17.816	0	%100
18	M11	Z	10.286	10.286	0	%100
19	M12	X	-11.242	-11.242	0	%100
20	M12	Z	6.491	6.491	0	%100
21	M13	X	0	0	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[in,%]	End Location[in,%]
22	M13	Z	0	0	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-4.454	-4.454	0	%100
26	M17	Z	2.571	2.571	0	%100
27	M18	X	-4.7e-5	-4.7e-5	0	%100
28	M18	Z	2.7e-5	2.7e-5	0	%100
29	M19	X	-4.454	-4.454	0	%100
30	M19	Z	2.571	2.571	0	%100
31	M20	X	-11.197	-11.197	0	%100
32	M20	Z	6.464	6.464	0	%100
33	M21	X	-7.634	-7.634	0	%100
34	M21	Z	4.407	4.407	0	%100
35	M24	X	-9.904	-9.904	0	%100
36	M24	Z	5.718	5.718	0	%100
37	MP1A	X	-8.463	-8.463	0	%100
38	MP1A	Z	4.886	4.886	0	%100
39	MP2A	X	-8.463	-8.463	0	%100
40	MP2A	Z	4.886	4.886	0	%100
41	MP3A	X	-8.463	-8.463	0	%100
42	MP3A	Z	4.886	4.886	0	%100
43	MP4A	X	-8.463	-8.463	0	%100
44	MP4A	Z	4.886	4.886	0	%100
45	MP5A	X	-8.463	-8.463	0	%100
46	MP5A	Z	4.886	4.886	0	%100
47	MP1C	X	-8.463	-8.463	0	%100
48	MP1C	Z	4.886	4.886	0	%100
49	MP2C	X	-8.463	-8.463	0	%100
50	MP2C	Z	4.886	4.886	0	%100
51	MP3C	X	-8.463	-8.463	0	%100
52	MP3C	Z	4.886	4.886	0	%100
53	MP4C	X	-8.463	-8.463	0	%100
54	MP4C	Z	4.886	4.886	0	%100
55	MP5C	X	-8.463	-8.463	0	%100
56	MP5C	Z	4.886	4.886	0	%100
57	MP1B	X	-8.463	-8.463	0	%100
58	MP1B	Z	4.886	4.886	0	%100
59	MP2B	X	-8.463	-8.463	0	%100
60	MP2B	Z	4.886	4.886	0	%100
61	MP3B	X	-8.463	-8.463	0	%100
62	MP3B	Z	4.886	4.886	0	%100
63	MP4B	X	-8.463	-8.463	0	%100
64	MP4B	Z	4.886	4.886	0	%100
65	MP5B	X	-8.463	-8.463	0	%100
66	MP5B	Z	4.886	4.886	0	%100
67	M69	X	-2.561	-2.561	0	%100
68	M69	Z	1.479	1.479	0	%100
69	M77	X	-10.244	-10.244	0	%100
70	M77	Z	5.914	5.914	0	%100
71	M85	X	-2.561	-2.561	0	%100
72	M85	Z	1.479	1.479	0	%100
73	M91	X	-3.348	-3.348	0	%100
74	M91	Z	1.933	1.933	0	%100
75	M92	X	-13.383	-13.383	0	%100
76	M92	Z	7.726	7.726	0	%100
77	M93	X	-8.487	-8.487	0	%100
78	M93	Z	4.9	4.9	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[in,%]	End Location[in,%]
79	M94	X	-8.487	-8.487	0	%100
80	M94	Z	4.9	4.9	0	%100
81	M95	X	-13.383	-13.383	0	%100
82	M95	Z	7.726	7.726	0	%100
83	M96	X	-3.348	-3.348	0	%100
84	M96	Z	1.933	1.933	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[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-4.292	-4.292	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-4.292	-4.292	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-11.753	-11.753	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	-15.248	-15.248	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-15.429	-15.429	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-17.274	-17.274	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-15.429	-15.429	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-4.345	-4.345	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-2.938	-2.938	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	-3.812	-3.812	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-15.429	-15.429	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-4.345	-4.345	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-15.429	-15.429	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-17.274	-17.274	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-2.938	-2.938	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	-3.812	-3.812	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-9.772	-9.772	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	-9.772	-9.772	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	-9.772	-9.772	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	-9.772	-9.772	0	%100
44	MP4A	Z	0	0	0	%100
45	MP5A	X	-9.772	-9.772	0	%100
46	MP5A	Z	0	0	0	%100
47	MP1C	X	-9.772	-9.772	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[in,%]	End Location[in,%]
48	MP1C	Z	0	0	0	%100
49	MP2C	X	-9.772	-9.772	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	-9.772	-9.772	0	%100
52	MP3C	Z	0	0	0	%100
53	MP4C	X	-9.772	-9.772	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	-9.772	-9.772	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	-9.772	-9.772	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	-9.772	-9.772	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	-9.772	-9.772	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	-9.772	-9.772	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	-9.772	-9.772	0	%100
66	MP5B	Z	0	0	0	%100
67	M69	X	0	0	0	%100
68	M69	Z	0	0	0	%100
69	M77	X	-8.872	-8.872	0	%100
70	M77	Z	0	0	0	%100
71	M85	X	-8.872	-8.872	0	%100
72	M85	Z	0	0	0	%100
73	M91	X	-9.612	-9.612	0	%100
74	M91	Z	0	0	0	%100
75	M92	X	-9.612	-9.612	0	%100
76	M92	Z	0	0	0	%100
77	M93	X	-3.959	-3.959	0	%100
78	M93	Z	0	0	0	%100
79	M94	X	-15.546	-15.546	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	-15.546	-15.546	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	-3.959	-3.959	0	%100
84	M96	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[in,%]	End Location[in,%]
1	M1	X	-4.454	-4.454	0	%100
2	M1	Z	-2.571	-2.571	0	%100
3	M2	X	-4.7e-5	-4.7e-5	0	%100
4	M2	Z	-2.7e-5	-2.7e-5	0	%100
5	M3	X	-4.454	-4.454	0	%100
6	M3	Z	-2.571	-2.571	0	%100
7	M4	X	-11.197	-11.197	0	%100
8	M4	Z	-6.464	-6.464	0	%100
9	M5	X	-7.634	-7.634	0	%100
10	M5	Z	-4.407	-4.407	0	%100
11	M8	X	-9.904	-9.904	0	%100
12	M8	Z	-5.718	-5.718	0	%100
13	M9	X	-4.454	-4.454	0	%100
14	M9	Z	-2.571	-2.571	0	%100
15	M10	X	-11.197	-11.197	0	%100
16	M10	Z	-6.464	-6.464	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
17	M11	X	-4.454	-4.454	0	%100
18	M11	Z	-2.571	-2.571	0	%100
19	M12	X	-4.7e-5	-4.7e-5	0	%100
20	M12	Z	-2.7e-5	-2.7e-5	0	%100
21	M13	X	-7.634	-7.634	0	%100
22	M13	Z	-4.407	-4.407	0	%100
23	M16	X	-9.904	-9.904	0	%100
24	M16	Z	-5.718	-5.718	0	%100
25	M17	X	-17.816	-17.816	0	%100
26	M17	Z	-10.286	-10.286	0	%100
27	M18	X	-11.242	-11.242	0	%100
28	M18	Z	-6.491	-6.491	0	%100
29	M19	X	-17.816	-17.816	0	%100
30	M19	Z	-10.286	-10.286	0	%100
31	M20	X	-11.242	-11.242	0	%100
32	M20	Z	-6.491	-6.491	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-8.463	-8.463	0	%100
38	MP1A	Z	-4.886	-4.886	0	%100
39	MP2A	X	-8.463	-8.463	0	%100
40	MP2A	Z	-4.886	-4.886	0	%100
41	MP3A	X	-8.463	-8.463	0	%100
42	MP3A	Z	-4.886	-4.886	0	%100
43	MP4A	X	-8.463	-8.463	0	%100
44	MP4A	Z	-4.886	-4.886	0	%100
45	MP5A	X	-8.463	-8.463	0	%100
46	MP5A	Z	-4.886	-4.886	0	%100
47	MP1C	X	-8.463	-8.463	0	%100
48	MP1C	Z	-4.886	-4.886	0	%100
49	MP2C	X	-8.463	-8.463	0	%100
50	MP2C	Z	-4.886	-4.886	0	%100
51	MP3C	X	-8.463	-8.463	0	%100
52	MP3C	Z	-4.886	-4.886	0	%100
53	MP4C	X	-8.463	-8.463	0	%100
54	MP4C	Z	-4.886	-4.886	0	%100
55	MP5C	X	-8.463	-8.463	0	%100
56	MP5C	Z	-4.886	-4.886	0	%100
57	MP1B	X	-8.463	-8.463	0	%100
58	MP1B	Z	-4.886	-4.886	0	%100
59	MP2B	X	-8.463	-8.463	0	%100
60	MP2B	Z	-4.886	-4.886	0	%100
61	MP3B	X	-8.463	-8.463	0	%100
62	MP3B	Z	-4.886	-4.886	0	%100
63	MP4B	X	-8.463	-8.463	0	%100
64	MP4B	Z	-4.886	-4.886	0	%100
65	MP5B	X	-8.463	-8.463	0	%100
66	MP5B	Z	-4.886	-4.886	0	%100
67	M69	X	-2.561	-2.561	0	%100
68	M69	Z	-1.479	-1.479	0	%100
69	M77	X	-2.561	-2.561	0	%100
70	M77	Z	-1.479	-1.479	0	%100
71	M85	X	-10.244	-10.244	0	%100
72	M85	Z	-5.914	-5.914	0	%100
73	M91	X	-13.383	-13.383	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
74	M91	Z	-7.726	-7.726	0	%100
75	M92	X	-3.348	-3.348	0	%100
76	M92	Z	-1.933	-1.933	0	%100
77	M93	X	-3.348	-3.348	0	%100
78	M93	Z	-1.933	-1.933	0	%100
79	M94	X	-13.383	-13.383	0	%100
80	M94	Z	-7.726	-7.726	0	%100
81	M95	X	-8.487	-8.487	0	%100
82	M95	Z	-4.9	-4.9	0	%100
83	M96	X	-8.487	-8.487	0	%100
84	M96	Z	-4.9	-4.9	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[in,%]	End Location[in,%]
1	M1	X	-7.714	-7.714	0	%100
2	M1	Z	-13.362	-13.362	0	%100
3	M2	X	-2.172	-2.172	0	%100
4	M2	Z	-3.763	-3.763	0	%100
5	M3	X	-7.714	-7.714	0	%100
6	M3	Z	-13.362	-13.362	0	%100
7	M4	X	-8.637	-8.637	0	%100
8	M4	Z	-14.959	-14.959	0	%100
9	M5	X	-1.469	-1.469	0	%100
10	M5	Z	-2.545	-2.545	0	%100
11	M8	X	-1.906	-1.906	0	%100
12	M8	Z	-3.301	-3.301	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-2.146	-2.146	0	%100
16	M10	Z	-3.717	-3.717	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-2.146	-2.146	0	%100
20	M12	Z	-3.717	-3.717	0	%100
21	M13	X	-5.876	-5.876	0	%100
22	M13	Z	-10.178	-10.178	0	%100
23	M16	X	-7.624	-7.624	0	%100
24	M16	Z	-13.205	-13.205	0	%100
25	M17	X	-7.714	-7.714	0	%100
26	M17	Z	-13.362	-13.362	0	%100
27	M18	X	-8.637	-8.637	0	%100
28	M18	Z	-14.959	-14.959	0	%100
29	M19	X	-7.714	-7.714	0	%100
30	M19	Z	-13.362	-13.362	0	%100
31	M20	X	-2.172	-2.172	0	%100
32	M20	Z	-3.763	-3.763	0	%100
33	M21	X	-1.469	-1.469	0	%100
34	M21	Z	-2.545	-2.545	0	%100
35	M24	X	-1.906	-1.906	0	%100
36	M24	Z	-3.301	-3.301	0	%100
37	MP1A	X	-4.886	-4.886	0	%100
38	MP1A	Z	-8.463	-8.463	0	%100
39	MP2A	X	-4.886	-4.886	0	%100
40	MP2A	Z	-8.463	-8.463	0	%100
41	MP3A	X	-4.886	-4.886	0	%100
42	MP3A	Z	-8.463	-8.463	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[in,%]	End Location[in,%]
43	MP4A	X	-4.886	-4.886	0	%100
44	MP4A	Z	-8.463	-8.463	0	%100
45	MP5A	X	-4.886	-4.886	0	%100
46	MP5A	Z	-8.463	-8.463	0	%100
47	MP1C	X	-4.886	-4.886	0	%100
48	MP1C	Z	-8.463	-8.463	0	%100
49	MP2C	X	-4.886	-4.886	0	%100
50	MP2C	Z	-8.463	-8.463	0	%100
51	MP3C	X	-4.886	-4.886	0	%100
52	MP3C	Z	-8.463	-8.463	0	%100
53	MP4C	X	-4.886	-4.886	0	%100
54	MP4C	Z	-8.463	-8.463	0	%100
55	MP5C	X	-4.886	-4.886	0	%100
56	MP5C	Z	-8.463	-8.463	0	%100
57	MP1B	X	-4.886	-4.886	0	%100
58	MP1B	Z	-8.463	-8.463	0	%100
59	MP2B	X	-4.886	-4.886	0	%100
60	MP2B	Z	-8.463	-8.463	0	%100
61	MP3B	X	-4.886	-4.886	0	%100
62	MP3B	Z	-8.463	-8.463	0	%100
63	MP4B	X	-4.886	-4.886	0	%100
64	MP4B	Z	-8.463	-8.463	0	%100
65	MP5B	X	-4.886	-4.886	0	%100
66	MP5B	Z	-8.463	-8.463	0	%100
67	M69	X	-4.436	-4.436	0	%100
68	M69	Z	-7.683	-7.683	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	0	0	0	%100
71	M85	X	-4.436	-4.436	0	%100
72	M85	Z	-7.683	-7.683	0	%100
73	M91	X	-7.773	-7.773	0	%100
74	M91	Z	-13.464	-13.464	0	%100
75	M92	X	-1.979	-1.979	0	%100
76	M92	Z	-3.429	-3.429	0	%100
77	M93	X	-4.806	-4.806	0	%100
78	M93	Z	-8.325	-8.325	0	%100
79	M94	X	-4.806	-4.806	0	%100
80	M94	Z	-8.325	-8.325	0	%100
81	M95	X	-1.979	-1.979	0	%100
82	M95	Z	-3.429	-3.429	0	%100
83	M96	X	-7.773	-7.773	0	%100
84	M96	Z	-13.464	-13.464	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[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	-5.196	-5.196	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-3.368	-3.368	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-5.196	-5.196	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-3.368	-3.368	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-1.299	-1.299	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-1.4e-5	-1.4e-5	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-1.299	-1.299	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	-3.354	-3.354	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	-2.308	-2.308	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-2.868	-2.868	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-1.299	-1.299	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-3.354	-3.354	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-1.299	-1.299	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-1.4e-5	-1.4e-5	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-2.308	-2.308	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	-2.868	-2.868	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-3.321	-3.321	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	-3.321	-3.321	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	-3.321	-3.321	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	-3.321	-3.321	0	%100
45	MP5A	X	0	0	0	%100
46	MP5A	Z	-3.321	-3.321	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	-3.321	-3.321	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	-3.321	-3.321	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	-3.321	-3.321	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	-3.321	-3.321	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	-3.321	-3.321	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	-3.321	-3.321	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	-3.321	-3.321	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	-3.321	-3.321	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-3.321	-3.321	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	-3.321	-3.321	0	%100
67	M69	X	0	0	0	%100
68	M69	Z	-3.678	-3.678	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[in,%]	End Location[in,%]
69	M77	X	0	0	0	%100
70	M77	Z	-.919	-.919	0	%100
71	M85	X	0	0	0	%100
72	M85	Z	-.919	-.919	0	%100
73	M91	X	0	0	0	%100
74	M91	Z	-2.665	-2.665	0	%100
75	M92	X	0	0	0	%100
76	M92	Z	-2.665	-2.665	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	-4.202	-4.202	0	%100
79	M94	X	0	0	0	%100
80	M94	Z	-1.051	-1.051	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-1.051	-1.051	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	-4.202	-4.202	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[in,%]	End Location[in,%]
1	M1	X	1.948	1.948	0	%100
2	M1	Z	-3.375	-3.375	0	%100
3	M2	X	2.241	2.241	0	%100
4	M2	Z	-3.881	-3.881	0	%100
5	M3	X	1.948	1.948	0	%100
6	M3	Z	-3.375	-3.375	0	%100
7	M4	X	.564	.564	0	%100
8	M4	Z	-.976	-.976	0	%100
9	M5	X	.385	.385	0	%100
10	M5	Z	-.666	-.666	0	%100
11	M8	X	.478	.478	0	%100
12	M8	Z	-.828	-.828	0	%100
13	M9	X	1.948	1.948	0	%100
14	M9	Z	-3.375	-3.375	0	%100
15	M10	X	.564	.564	0	%100
16	M10	Z	-.976	-.976	0	%100
17	M11	X	1.948	1.948	0	%100
18	M11	Z	-3.375	-3.375	0	%100
19	M12	X	2.241	2.241	0	%100
20	M12	Z	-3.881	-3.881	0	%100
21	M13	X	.385	.385	0	%100
22	M13	Z	-.666	-.666	0	%100
23	M16	X	.478	.478	0	%100
24	M16	Z	-.828	-.828	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.557	.557	0	%100
28	M18	Z	-.964	-.964	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	.557	.557	0	%100
32	M20	Z	-.964	-.964	0	%100
33	M21	X	1.539	1.539	0	%100
34	M21	Z	-2.666	-2.666	0	%100
35	M24	X	1.912	1.912	0	%100
36	M24	Z	-3.311	-3.311	0	%100
37	MP1A	X	1.66	1.66	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[in,%]	End Location[in,%]
38	MP1A	Z	-2.876	-2.876	0	%100
39	MP2A	X	1.66	1.66	0	%100
40	MP2A	Z	-2.876	-2.876	0	%100
41	MP3A	X	1.66	1.66	0	%100
42	MP3A	Z	-2.876	-2.876	0	%100
43	MP4A	X	1.66	1.66	0	%100
44	MP4A	Z	-2.876	-2.876	0	%100
45	MP5A	X	1.66	1.66	0	%100
46	MP5A	Z	-2.876	-2.876	0	%100
47	MP1C	X	1.66	1.66	0	%100
48	MP1C	Z	-2.876	-2.876	0	%100
49	MP2C	X	1.66	1.66	0	%100
50	MP2C	Z	-2.876	-2.876	0	%100
51	MP3C	X	1.66	1.66	0	%100
52	MP3C	Z	-2.876	-2.876	0	%100
53	MP4C	X	1.66	1.66	0	%100
54	MP4C	Z	-2.876	-2.876	0	%100
55	MP5C	X	1.66	1.66	0	%100
56	MP5C	Z	-2.876	-2.876	0	%100
57	MP1B	X	1.66	1.66	0	%100
58	MP1B	Z	-2.876	-2.876	0	%100
59	MP2B	X	1.66	1.66	0	%100
60	MP2B	Z	-2.876	-2.876	0	%100
61	MP3B	X	1.66	1.66	0	%100
62	MP3B	Z	-2.876	-2.876	0	%100
63	MP4B	X	1.66	1.66	0	%100
64	MP4B	Z	-2.876	-2.876	0	%100
65	MP5B	X	1.66	1.66	0	%100
66	MP5B	Z	-2.876	-2.876	0	%100
67	M69	X	1.379	1.379	0	%100
68	M69	Z	-2.389	-2.389	0	%100
69	M77	X	1.379	1.379	0	%100
70	M77	Z	-2.389	-2.389	0	%100
71	M85	X	0	0	0	%100
72	M85	Z	0	0	0	%100
73	M91	X	.538	.538	0	%100
74	M91	Z	-.932	-.932	0	%100
75	M92	X	2.114	2.114	0	%100
76	M92	Z	-3.662	-3.662	0	%100
77	M93	X	2.114	2.114	0	%100
78	M93	Z	-3.662	-3.662	0	%100
79	M94	X	.538	.538	0	%100
80	M94	Z	-.932	-.932	0	%100
81	M95	X	1.307	1.307	0	%100
82	M95	Z	-2.264	-2.264	0	%100
83	M96	X	1.307	1.307	0	%100
84	M96	Z	-2.264	-2.264	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[in,%]	End Location[in,%]
1	M1	X	1.125	1.125	0	%100
2	M1	Z	-.649	-.649	0	%100
3	M2	X	2.905	2.905	0	%100
4	M2	Z	-1.677	-1.677	0	%100
5	M3	X	1.125	1.125	0	%100
6	M3	Z	-.649	-.649	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
7	M4	X	1.2e-5	1.2e-5	0	%100
8	M4	Z	-7e-6	-7e-6	0	%100
9	M5	X	1.999	1.999	0	%100
10	M5	Z	-1.154	-1.154	0	%100
11	M8	X	2.484	2.484	0	%100
12	M8	Z	-1.434	-1.434	0	%100
13	M9	X	4.5	4.5	0	%100
14	M9	Z	-2.598	-2.598	0	%100
15	M10	X	2.917	2.917	0	%100
16	M10	Z	-1.684	-1.684	0	%100
17	M11	X	4.5	4.5	0	%100
18	M11	Z	-2.598	-2.598	0	%100
19	M12	X	2.917	2.917	0	%100
20	M12	Z	-1.684	-1.684	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	1.125	1.125	0	%100
26	M17	Z	-.649	-.649	0	%100
27	M18	X	1.2e-5	1.2e-5	0	%100
28	M18	Z	-7e-6	-7e-6	0	%100
29	M19	X	1.125	1.125	0	%100
30	M19	Z	-.649	-.649	0	%100
31	M20	X	2.905	2.905	0	%100
32	M20	Z	-1.677	-1.677	0	%100
33	M21	X	1.999	1.999	0	%100
34	M21	Z	-1.154	-1.154	0	%100
35	M24	X	2.484	2.484	0	%100
36	M24	Z	-1.434	-1.434	0	%100
37	MP1A	X	2.876	2.876	0	%100
38	MP1A	Z	-1.66	-1.66	0	%100
39	MP2A	X	2.876	2.876	0	%100
40	MP2A	Z	-1.66	-1.66	0	%100
41	MP3A	X	2.876	2.876	0	%100
42	MP3A	Z	-1.66	-1.66	0	%100
43	MP4A	X	2.876	2.876	0	%100
44	MP4A	Z	-1.66	-1.66	0	%100
45	MP5A	X	2.876	2.876	0	%100
46	MP5A	Z	-1.66	-1.66	0	%100
47	MP1C	X	2.876	2.876	0	%100
48	MP1C	Z	-1.66	-1.66	0	%100
49	MP2C	X	2.876	2.876	0	%100
50	MP2C	Z	-1.66	-1.66	0	%100
51	MP3C	X	2.876	2.876	0	%100
52	MP3C	Z	-1.66	-1.66	0	%100
53	MP4C	X	2.876	2.876	0	%100
54	MP4C	Z	-1.66	-1.66	0	%100
55	MP5C	X	2.876	2.876	0	%100
56	MP5C	Z	-1.66	-1.66	0	%100
57	MP1B	X	2.876	2.876	0	%100
58	MP1B	Z	-1.66	-1.66	0	%100
59	MP2B	X	2.876	2.876	0	%100
60	MP2B	Z	-1.66	-1.66	0	%100
61	MP3B	X	2.876	2.876	0	%100
62	MP3B	Z	-1.66	-1.66	0	%100
63	MP4B	X	2.876	2.876	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
64	MP4B	Z	-1.66	-1.66	0	%100
65	MP5B	X	2.876	2.876	0	%100
66	MP5B	Z	-1.66	-1.66	0	%100
67	M69	X	.796	.796	0	%100
68	M69	Z	-.46	-.46	0	%100
69	M77	X	3.185	3.185	0	%100
70	M77	Z	-1.839	-1.839	0	%100
71	M85	X	.796	.796	0	%100
72	M85	Z	-.46	-.46	0	%100
73	M91	X	.91	.91	0	%100
74	M91	Z	-.526	-.526	0	%100
75	M92	X	3.639	3.639	0	%100
76	M92	Z	-2.101	-2.101	0	%100
77	M93	X	2.308	2.308	0	%100
78	M93	Z	-1.333	-1.333	0	%100
79	M94	X	2.308	2.308	0	%100
80	M94	Z	-1.333	-1.333	0	%100
81	M95	X	3.639	3.639	0	%100
82	M95	Z	-2.101	-2.101	0	%100
83	M96	X	.91	.91	0	%100
84	M96	Z	-.526	-.526	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[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	1.114	1.114	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	1.114	1.114	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	3.078	3.078	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	3.824	3.824	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	3.897	3.897	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	4.481	4.481	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	3.897	3.897	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	1.127	1.127	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	.769	.769	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	.956	.956	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	3.897	3.897	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	1.127	1.127	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	3.897	3.897	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	4.481	4.481	0	%100
32	M20	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
33	M21	X	.769	.769	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	.956	.956	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	3.321	3.321	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	3.321	3.321	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	3.321	3.321	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	3.321	3.321	0	%100
44	MP4A	Z	0	0	0	%100
45	MP5A	X	3.321	3.321	0	%100
46	MP5A	Z	0	0	0	%100
47	MP1C	X	3.321	3.321	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	3.321	3.321	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	3.321	3.321	0	%100
52	MP3C	Z	0	0	0	%100
53	MP4C	X	3.321	3.321	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	3.321	3.321	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	3.321	3.321	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	3.321	3.321	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	3.321	3.321	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	3.321	3.321	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	3.321	3.321	0	%100
66	MP5B	Z	0	0	0	%100
67	M69	X	0	0	0	%100
68	M69	Z	0	0	0	%100
69	M77	X	2.758	2.758	0	%100
70	M77	Z	0	0	0	%100
71	M85	X	2.758	2.758	0	%100
72	M85	Z	0	0	0	%100
73	M91	X	2.614	2.614	0	%100
74	M91	Z	0	0	0	%100
75	M92	X	2.614	2.614	0	%100
76	M92	Z	0	0	0	%100
77	M93	X	1.077	1.077	0	%100
78	M93	Z	0	0	0	%100
79	M94	X	4.228	4.228	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	4.228	4.228	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	1.077	1.077	0	%100
84	M96	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[in,%]	End Location[in,%]
1	M1	X	1.125	1.125	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
2	M1	Z	.649	.649	0	%100
3	M2	X	1.2e-5	1.2e-5	0	%100
4	M2	Z	7e-6	7e-6	0	%100
5	M3	X	1.125	1.125	0	%100
6	M3	Z	.649	.649	0	%100
7	M4	X	2.905	2.905	0	%100
8	M4	Z	1.677	1.677	0	%100
9	M5	X	1.999	1.999	0	%100
10	M5	Z	1.154	1.154	0	%100
11	M8	X	2.484	2.484	0	%100
12	M8	Z	1.434	1.434	0	%100
13	M9	X	1.125	1.125	0	%100
14	M9	Z	.649	.649	0	%100
15	M10	X	2.905	2.905	0	%100
16	M10	Z	1.677	1.677	0	%100
17	M11	X	1.125	1.125	0	%100
18	M11	Z	.649	.649	0	%100
19	M12	X	1.2e-5	1.2e-5	0	%100
20	M12	Z	7e-6	7e-6	0	%100
21	M13	X	1.999	1.999	0	%100
22	M13	Z	1.154	1.154	0	%100
23	M16	X	2.484	2.484	0	%100
24	M16	Z	1.434	1.434	0	%100
25	M17	X	4.5	4.5	0	%100
26	M17	Z	2.598	2.598	0	%100
27	M18	X	2.917	2.917	0	%100
28	M18	Z	1.684	1.684	0	%100
29	M19	X	4.5	4.5	0	%100
30	M19	Z	2.598	2.598	0	%100
31	M20	X	2.917	2.917	0	%100
32	M20	Z	1.684	1.684	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	2.876	2.876	0	%100
38	MP1A	Z	1.66	1.66	0	%100
39	MP2A	X	2.876	2.876	0	%100
40	MP2A	Z	1.66	1.66	0	%100
41	MP3A	X	2.876	2.876	0	%100
42	MP3A	Z	1.66	1.66	0	%100
43	MP4A	X	2.876	2.876	0	%100
44	MP4A	Z	1.66	1.66	0	%100
45	MP5A	X	2.876	2.876	0	%100
46	MP5A	Z	1.66	1.66	0	%100
47	MP1C	X	2.876	2.876	0	%100
48	MP1C	Z	1.66	1.66	0	%100
49	MP2C	X	2.876	2.876	0	%100
50	MP2C	Z	1.66	1.66	0	%100
51	MP3C	X	2.876	2.876	0	%100
52	MP3C	Z	1.66	1.66	0	%100
53	MP4C	X	2.876	2.876	0	%100
54	MP4C	Z	1.66	1.66	0	%100
55	MP5C	X	2.876	2.876	0	%100
56	MP5C	Z	1.66	1.66	0	%100
57	MP1B	X	2.876	2.876	0	%100
58	MP1B	Z	1.66	1.66	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
59	MP2B	X	2.876	2.876	0	%100
60	MP2B	Z	1.66	1.66	0	%100
61	MP3B	X	2.876	2.876	0	%100
62	MP3B	Z	1.66	1.66	0	%100
63	MP4B	X	2.876	2.876	0	%100
64	MP4B	Z	1.66	1.66	0	%100
65	MP5B	X	2.876	2.876	0	%100
66	MP5B	Z	1.66	1.66	0	%100
67	M69	X	.796	.796	0	%100
68	M69	Z	.46	.46	0	%100
69	M77	X	.796	.796	0	%100
70	M77	Z	.46	.46	0	%100
71	M85	X	3.185	3.185	0	%100
72	M85	Z	1.839	1.839	0	%100
73	M91	X	3.639	3.639	0	%100
74	M91	Z	2.101	2.101	0	%100
75	M92	X	.91	.91	0	%100
76	M92	Z	.526	.526	0	%100
77	M93	X	.91	.91	0	%100
78	M93	Z	.526	.526	0	%100
79	M94	X	3.639	3.639	0	%100
80	M94	Z	2.101	2.101	0	%100
81	M95	X	2.308	2.308	0	%100
82	M95	Z	1.333	1.333	0	%100
83	M96	X	2.308	2.308	0	%100
84	M96	Z	1.333	1.333	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[in,%]	End Location[in,%]
1	M1	X	1.948	1.948	0	%100
2	M1	Z	3.375	3.375	0	%100
3	M2	X	.564	.564	0	%100
4	M2	Z	.976	.976	0	%100
5	M3	X	1.948	1.948	0	%100
6	M3	Z	3.375	3.375	0	%100
7	M4	X	2.241	2.241	0	%100
8	M4	Z	3.881	3.881	0	%100
9	M5	X	.385	.385	0	%100
10	M5	Z	.666	.666	0	%100
11	M8	X	.478	.478	0	%100
12	M8	Z	.828	.828	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	.557	.557	0	%100
16	M10	Z	.964	.964	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	.557	.557	0	%100
20	M12	Z	.964	.964	0	%100
21	M13	X	1.539	1.539	0	%100
22	M13	Z	2.666	2.666	0	%100
23	M16	X	1.912	1.912	0	%100
24	M16	Z	3.311	3.311	0	%100
25	M17	X	1.948	1.948	0	%100
26	M17	Z	3.375	3.375	0	%100
27	M18	X	2.241	2.241	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[in,%]	End Location[in,%]
28	M18	Z	3.881	3.881	0	%100
29	M19	X	1.948	1.948	0	%100
30	M19	Z	3.375	3.375	0	%100
31	M20	X	.564	.564	0	%100
32	M20	Z	.976	.976	0	%100
33	M21	X	.385	.385	0	%100
34	M21	Z	.666	.666	0	%100
35	M24	X	.478	.478	0	%100
36	M24	Z	.828	.828	0	%100
37	MP1A	X	1.66	1.66	0	%100
38	MP1A	Z	2.876	2.876	0	%100
39	MP2A	X	1.66	1.66	0	%100
40	MP2A	Z	2.876	2.876	0	%100
41	MP3A	X	1.66	1.66	0	%100
42	MP3A	Z	2.876	2.876	0	%100
43	MP4A	X	1.66	1.66	0	%100
44	MP4A	Z	2.876	2.876	0	%100
45	MP5A	X	1.66	1.66	0	%100
46	MP5A	Z	2.876	2.876	0	%100
47	MP1C	X	1.66	1.66	0	%100
48	MP1C	Z	2.876	2.876	0	%100
49	MP2C	X	1.66	1.66	0	%100
50	MP2C	Z	2.876	2.876	0	%100
51	MP3C	X	1.66	1.66	0	%100
52	MP3C	Z	2.876	2.876	0	%100
53	MP4C	X	1.66	1.66	0	%100
54	MP4C	Z	2.876	2.876	0	%100
55	MP5C	X	1.66	1.66	0	%100
56	MP5C	Z	2.876	2.876	0	%100
57	MP1B	X	1.66	1.66	0	%100
58	MP1B	Z	2.876	2.876	0	%100
59	MP2B	X	1.66	1.66	0	%100
60	MP2B	Z	2.876	2.876	0	%100
61	MP3B	X	1.66	1.66	0	%100
62	MP3B	Z	2.876	2.876	0	%100
63	MP4B	X	1.66	1.66	0	%100
64	MP4B	Z	2.876	2.876	0	%100
65	MP5B	X	1.66	1.66	0	%100
66	MP5B	Z	2.876	2.876	0	%100
67	M69	X	1.379	1.379	0	%100
68	M69	Z	2.389	2.389	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	0	0	0	%100
71	M85	X	1.379	1.379	0	%100
72	M85	Z	2.389	2.389	0	%100
73	M91	X	2.114	2.114	0	%100
74	M91	Z	3.662	3.662	0	%100
75	M92	X	.538	.538	0	%100
76	M92	Z	.932	.932	0	%100
77	M93	X	1.307	1.307	0	%100
78	M93	Z	2.264	2.264	0	%100
79	M94	X	1.307	1.307	0	%100
80	M94	Z	2.264	2.264	0	%100
81	M95	X	.538	.538	0	%100
82	M95	Z	.932	.932	0	%100
83	M96	X	2.114	2.114	0	%100
84	M96	Z	3.662	3.662	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[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	5.196	5.196	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	3.368	3.368	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	5.196	5.196	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	3.368	3.368	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	1.299	1.299	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	1.4e-5	1.4e-5	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	1.299	1.299	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	3.354	3.354	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	2.308	2.308	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	2.868	2.868	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	1.299	1.299	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	3.354	3.354	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	1.299	1.299	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	1.4e-5	1.4e-5	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	2.308	2.308	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	2.868	2.868	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	3.321	3.321	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	3.321	3.321	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	3.321	3.321	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	3.321	3.321	0	%100
45	MP5A	X	0	0	0	%100
46	MP5A	Z	3.321	3.321	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	3.321	3.321	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	3.321	3.321	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	3.321	3.321	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	3.321	3.321	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	3.321	3.321	0	%100
57	MP1B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
58	MP1B	Z	3.321	3.321	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	3.321	3.321	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	3.321	3.321	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	3.321	3.321	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	3.321	3.321	0	%100
67	M69	X	0	0	0	%100
68	M69	Z	3.678	3.678	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	.919	.919	0	%100
71	M85	X	0	0	0	%100
72	M85	Z	.919	.919	0	%100
73	M91	X	0	0	0	%100
74	M91	Z	2.665	2.665	0	%100
75	M92	X	0	0	0	%100
76	M92	Z	2.665	2.665	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	4.202	4.202	0	%100
79	M94	X	0	0	0	%100
80	M94	Z	1.051	1.051	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	1.051	1.051	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	4.202	4.202	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-1.948	-1.948	0	%100
2	M1	Z	3.375	3.375	0	%100
3	M2	X	-2.241	-2.241	0	%100
4	M2	Z	3.881	3.881	0	%100
5	M3	X	-1.948	-1.948	0	%100
6	M3	Z	3.375	3.375	0	%100
7	M4	X	-.564	-.564	0	%100
8	M4	Z	.976	.976	0	%100
9	M5	X	-.385	-.385	0	%100
10	M5	Z	.666	.666	0	%100
11	M8	X	-.478	-.478	0	%100
12	M8	Z	.828	.828	0	%100
13	M9	X	-1.948	-1.948	0	%100
14	M9	Z	3.375	3.375	0	%100
15	M10	X	-.564	-.564	0	%100
16	M10	Z	.976	.976	0	%100
17	M11	X	-1.948	-1.948	0	%100
18	M11	Z	3.375	3.375	0	%100
19	M12	X	-2.241	-2.241	0	%100
20	M12	Z	3.881	3.881	0	%100
21	M13	X	-.385	-.385	0	%100
22	M13	Z	.666	.666	0	%100
23	M16	X	-.478	-.478	0	%100
24	M16	Z	.828	.828	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
27	M18	X	-.557	-.557	0	%100
28	M18	Z	.964	.964	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-.557	-.557	0	%100
32	M20	Z	.964	.964	0	%100
33	M21	X	-1.539	-1.539	0	%100
34	M21	Z	2.666	2.666	0	%100
35	M24	X	-1.912	-1.912	0	%100
36	M24	Z	3.311	3.311	0	%100
37	MP1A	X	-1.66	-1.66	0	%100
38	MP1A	Z	2.876	2.876	0	%100
39	MP2A	X	-1.66	-1.66	0	%100
40	MP2A	Z	2.876	2.876	0	%100
41	MP3A	X	-1.66	-1.66	0	%100
42	MP3A	Z	2.876	2.876	0	%100
43	MP4A	X	-1.66	-1.66	0	%100
44	MP4A	Z	2.876	2.876	0	%100
45	MP5A	X	-1.66	-1.66	0	%100
46	MP5A	Z	2.876	2.876	0	%100
47	MP1C	X	-1.66	-1.66	0	%100
48	MP1C	Z	2.876	2.876	0	%100
49	MP2C	X	-1.66	-1.66	0	%100
50	MP2C	Z	2.876	2.876	0	%100
51	MP3C	X	-1.66	-1.66	0	%100
52	MP3C	Z	2.876	2.876	0	%100
53	MP4C	X	-1.66	-1.66	0	%100
54	MP4C	Z	2.876	2.876	0	%100
55	MP5C	X	-1.66	-1.66	0	%100
56	MP5C	Z	2.876	2.876	0	%100
57	MP1B	X	-1.66	-1.66	0	%100
58	MP1B	Z	2.876	2.876	0	%100
59	MP2B	X	-1.66	-1.66	0	%100
60	MP2B	Z	2.876	2.876	0	%100
61	MP3B	X	-1.66	-1.66	0	%100
62	MP3B	Z	2.876	2.876	0	%100
63	MP4B	X	-1.66	-1.66	0	%100
64	MP4B	Z	2.876	2.876	0	%100
65	MP5B	X	-1.66	-1.66	0	%100
66	MP5B	Z	2.876	2.876	0	%100
67	M69	X	-1.379	-1.379	0	%100
68	M69	Z	2.389	2.389	0	%100
69	M77	X	-1.379	-1.379	0	%100
70	M77	Z	2.389	2.389	0	%100
71	M85	X	0	0	0	%100
72	M85	Z	0	0	0	%100
73	M91	X	-.538	-.538	0	%100
74	M91	Z	.932	.932	0	%100
75	M92	X	-2.114	-2.114	0	%100
76	M92	Z	3.662	3.662	0	%100
77	M93	X	-2.114	-2.114	0	%100
78	M93	Z	3.662	3.662	0	%100
79	M94	X	-.538	-.538	0	%100
80	M94	Z	.932	.932	0	%100
81	M95	X	-1.307	-1.307	0	%100
82	M95	Z	2.264	2.264	0	%100
83	M96	X	-1.307	-1.307	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
84	M96	Z	2.264	2.264	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[in,%]	End Location[in,%]
1	M1	X	-1.125	-1.125	0	%100
2	M1	Z	.649	.649	0	%100
3	M2	X	-2.905	-2.905	0	%100
4	M2	Z	1.677	1.677	0	%100
5	M3	X	-1.125	-1.125	0	%100
6	M3	Z	.649	.649	0	%100
7	M4	X	-1.2e-5	-1.2e-5	0	%100
8	M4	Z	7e-6	7e-6	0	%100
9	M5	X	-1.999	-1.999	0	%100
10	M5	Z	1.154	1.154	0	%100
11	M8	X	-2.484	-2.484	0	%100
12	M8	Z	1.434	1.434	0	%100
13	M9	X	-4.5	-4.5	0	%100
14	M9	Z	2.598	2.598	0	%100
15	M10	X	-2.917	-2.917	0	%100
16	M10	Z	1.684	1.684	0	%100
17	M11	X	-4.5	-4.5	0	%100
18	M11	Z	2.598	2.598	0	%100
19	M12	X	-2.917	-2.917	0	%100
20	M12	Z	1.684	1.684	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-1.125	-1.125	0	%100
26	M17	Z	.649	.649	0	%100
27	M18	X	-1.2e-5	-1.2e-5	0	%100
28	M18	Z	7e-6	7e-6	0	%100
29	M19	X	-1.125	-1.125	0	%100
30	M19	Z	.649	.649	0	%100
31	M20	X	-2.905	-2.905	0	%100
32	M20	Z	1.677	1.677	0	%100
33	M21	X	-1.999	-1.999	0	%100
34	M21	Z	1.154	1.154	0	%100
35	M24	X	-2.484	-2.484	0	%100
36	M24	Z	1.434	1.434	0	%100
37	MP1A	X	-2.876	-2.876	0	%100
38	MP1A	Z	1.66	1.66	0	%100
39	MP2A	X	-2.876	-2.876	0	%100
40	MP2A	Z	1.66	1.66	0	%100
41	MP3A	X	-2.876	-2.876	0	%100
42	MP3A	Z	1.66	1.66	0	%100
43	MP4A	X	-2.876	-2.876	0	%100
44	MP4A	Z	1.66	1.66	0	%100
45	MP5A	X	-2.876	-2.876	0	%100
46	MP5A	Z	1.66	1.66	0	%100
47	MP1C	X	-2.876	-2.876	0	%100
48	MP1C	Z	1.66	1.66	0	%100
49	MP2C	X	-2.876	-2.876	0	%100
50	MP2C	Z	1.66	1.66	0	%100
51	MP3C	X	-2.876	-2.876	0	%100
52	MP3C	Z	1.66	1.66	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
53	MP4C	X	-2.876	-2.876	0	%100
54	MP4C	Z	1.66	1.66	0	%100
55	MP5C	X	-2.876	-2.876	0	%100
56	MP5C	Z	1.66	1.66	0	%100
57	MP1B	X	-2.876	-2.876	0	%100
58	MP1B	Z	1.66	1.66	0	%100
59	MP2B	X	-2.876	-2.876	0	%100
60	MP2B	Z	1.66	1.66	0	%100
61	MP3B	X	-2.876	-2.876	0	%100
62	MP3B	Z	1.66	1.66	0	%100
63	MP4B	X	-2.876	-2.876	0	%100
64	MP4B	Z	1.66	1.66	0	%100
65	MP5B	X	-2.876	-2.876	0	%100
66	MP5B	Z	1.66	1.66	0	%100
67	M69	X	-.796	-.796	0	%100
68	M69	Z	.46	.46	0	%100
69	M77	X	-3.185	-3.185	0	%100
70	M77	Z	1.839	1.839	0	%100
71	M85	X	-.796	-.796	0	%100
72	M85	Z	.46	.46	0	%100
73	M91	X	-.91	-.91	0	%100
74	M91	Z	.526	.526	0	%100
75	M92	X	-3.639	-3.639	0	%100
76	M92	Z	2.101	2.101	0	%100
77	M93	X	-2.308	-2.308	0	%100
78	M93	Z	1.333	1.333	0	%100
79	M94	X	-2.308	-2.308	0	%100
80	M94	Z	1.333	1.333	0	%100
81	M95	X	-3.639	-3.639	0	%100
82	M95	Z	2.101	2.101	0	%100
83	M96	X	-.91	-.91	0	%100
84	M96	Z	.526	.526	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[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-1.114	-1.114	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-1.114	-1.114	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-3.078	-3.078	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	-3.824	-3.824	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-3.897	-3.897	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-4.481	-4.481	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-3.897	-3.897	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-1.127	-1.127	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-.769	-.769	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[in,%]	End Location[in,%]
22	M13	Z	0	0	0	%100
23	M16	X	-.956	-.956	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-3.897	-3.897	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-1.127	-1.127	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-3.897	-3.897	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-4.481	-4.481	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-.769	-.769	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	-.956	-.956	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-3.321	-3.321	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	-3.321	-3.321	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	-3.321	-3.321	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	-3.321	-3.321	0	%100
44	MP4A	Z	0	0	0	%100
45	MP5A	X	-3.321	-3.321	0	%100
46	MP5A	Z	0	0	0	%100
47	MP1C	X	-3.321	-3.321	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	-3.321	-3.321	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	-3.321	-3.321	0	%100
52	MP3C	Z	0	0	0	%100
53	MP4C	X	-3.321	-3.321	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	-3.321	-3.321	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	-3.321	-3.321	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	-3.321	-3.321	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	-3.321	-3.321	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	-3.321	-3.321	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	-3.321	-3.321	0	%100
66	MP5B	Z	0	0	0	%100
67	M69	X	0	0	0	%100
68	M69	Z	0	0	0	%100
69	M77	X	-2.758	-2.758	0	%100
70	M77	Z	0	0	0	%100
71	M85	X	-2.758	-2.758	0	%100
72	M85	Z	0	0	0	%100
73	M91	X	-2.614	-2.614	0	%100
74	M91	Z	0	0	0	%100
75	M92	X	-2.614	-2.614	0	%100
76	M92	Z	0	0	0	%100
77	M93	X	-1.077	-1.077	0	%100
78	M93	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
79	M94	X	-4.228	-4.228	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	-4.228	-4.228	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	-1.077	-1.077	0	%100
84	M96	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[in,%]	End Location[in,%]
1	M1	X	-1.125	-1.125	0	%100
2	M1	Z	-.649	-.649	0	%100
3	M2	X	-1.2e-5	-1.2e-5	0	%100
4	M2	Z	-7e-6	-7e-6	0	%100
5	M3	X	-1.125	-1.125	0	%100
6	M3	Z	-.649	-.649	0	%100
7	M4	X	-2.905	-2.905	0	%100
8	M4	Z	-1.677	-1.677	0	%100
9	M5	X	-1.999	-1.999	0	%100
10	M5	Z	-1.154	-1.154	0	%100
11	M8	X	-2.484	-2.484	0	%100
12	M8	Z	-1.434	-1.434	0	%100
13	M9	X	-1.125	-1.125	0	%100
14	M9	Z	-.649	-.649	0	%100
15	M10	X	-2.905	-2.905	0	%100
16	M10	Z	-1.677	-1.677	0	%100
17	M11	X	-1.125	-1.125	0	%100
18	M11	Z	-.649	-.649	0	%100
19	M12	X	-1.2e-5	-1.2e-5	0	%100
20	M12	Z	-7e-6	-7e-6	0	%100
21	M13	X	-1.999	-1.999	0	%100
22	M13	Z	-1.154	-1.154	0	%100
23	M16	X	-2.484	-2.484	0	%100
24	M16	Z	-1.434	-1.434	0	%100
25	M17	X	-4.5	-4.5	0	%100
26	M17	Z	-2.598	-2.598	0	%100
27	M18	X	-2.917	-2.917	0	%100
28	M18	Z	-1.684	-1.684	0	%100
29	M19	X	-4.5	-4.5	0	%100
30	M19	Z	-2.598	-2.598	0	%100
31	M20	X	-2.917	-2.917	0	%100
32	M20	Z	-1.684	-1.684	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-2.876	-2.876	0	%100
38	MP1A	Z	-1.66	-1.66	0	%100
39	MP2A	X	-2.876	-2.876	0	%100
40	MP2A	Z	-1.66	-1.66	0	%100
41	MP3A	X	-2.876	-2.876	0	%100
42	MP3A	Z	-1.66	-1.66	0	%100
43	MP4A	X	-2.876	-2.876	0	%100
44	MP4A	Z	-1.66	-1.66	0	%100
45	MP5A	X	-2.876	-2.876	0	%100
46	MP5A	Z	-1.66	-1.66	0	%100
47	MP1C	X	-2.876	-2.876	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[in,%]	End Location[in,%]
48	MP1C	Z	-1.66	-1.66	0	%100
49	MP2C	X	-2.876	-2.876	0	%100
50	MP2C	Z	-1.66	-1.66	0	%100
51	MP3C	X	-2.876	-2.876	0	%100
52	MP3C	Z	-1.66	-1.66	0	%100
53	MP4C	X	-2.876	-2.876	0	%100
54	MP4C	Z	-1.66	-1.66	0	%100
55	MP5C	X	-2.876	-2.876	0	%100
56	MP5C	Z	-1.66	-1.66	0	%100
57	MP1B	X	-2.876	-2.876	0	%100
58	MP1B	Z	-1.66	-1.66	0	%100
59	MP2B	X	-2.876	-2.876	0	%100
60	MP2B	Z	-1.66	-1.66	0	%100
61	MP3B	X	-2.876	-2.876	0	%100
62	MP3B	Z	-1.66	-1.66	0	%100
63	MP4B	X	-2.876	-2.876	0	%100
64	MP4B	Z	-1.66	-1.66	0	%100
65	MP5B	X	-2.876	-2.876	0	%100
66	MP5B	Z	-1.66	-1.66	0	%100
67	M69	X	-.796	-.796	0	%100
68	M69	Z	-.46	-.46	0	%100
69	M77	X	-.796	-.796	0	%100
70	M77	Z	-.46	-.46	0	%100
71	M85	X	-3.185	-3.185	0	%100
72	M85	Z	-1.839	-1.839	0	%100
73	M91	X	-3.639	-3.639	0	%100
74	M91	Z	-2.101	-2.101	0	%100
75	M92	X	-.91	-.91	0	%100
76	M92	Z	-.526	-.526	0	%100
77	M93	X	-.91	-.91	0	%100
78	M93	Z	-.526	-.526	0	%100
79	M94	X	-3.639	-3.639	0	%100
80	M94	Z	-2.101	-2.101	0	%100
81	M95	X	-2.308	-2.308	0	%100
82	M95	Z	-1.333	-1.333	0	%100
83	M96	X	-2.308	-2.308	0	%100
84	M96	Z	-1.333	-1.333	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[in,%]	End Location[in,%]
1	M1	X	-1.948	-1.948	0	%100
2	M1	Z	-3.375	-3.375	0	%100
3	M2	X	-.564	-.564	0	%100
4	M2	Z	-.976	-.976	0	%100
5	M3	X	-1.948	-1.948	0	%100
6	M3	Z	-3.375	-3.375	0	%100
7	M4	X	-2.241	-2.241	0	%100
8	M4	Z	-3.881	-3.881	0	%100
9	M5	X	-.385	-.385	0	%100
10	M5	Z	-.666	-.666	0	%100
11	M8	X	-.478	-.478	0	%100
12	M8	Z	-.828	-.828	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-.557	-.557	0	%100
16	M10	Z	-.964	-.964	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[in,%]	End Location[in,%]
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-.557	-.557	0	%100
20	M12	Z	-.964	-.964	0	%100
21	M13	X	-1.539	-1.539	0	%100
22	M13	Z	-2.666	-2.666	0	%100
23	M16	X	-1.912	-1.912	0	%100
24	M16	Z	-3.311	-3.311	0	%100
25	M17	X	-1.948	-1.948	0	%100
26	M17	Z	-3.375	-3.375	0	%100
27	M18	X	-2.241	-2.241	0	%100
28	M18	Z	-3.881	-3.881	0	%100
29	M19	X	-1.948	-1.948	0	%100
30	M19	Z	-3.375	-3.375	0	%100
31	M20	X	-.564	-.564	0	%100
32	M20	Z	-.976	-.976	0	%100
33	M21	X	-.385	-.385	0	%100
34	M21	Z	-.666	-.666	0	%100
35	M24	X	-.478	-.478	0	%100
36	M24	Z	-.828	-.828	0	%100
37	MP1A	X	-1.66	-1.66	0	%100
38	MP1A	Z	-2.876	-2.876	0	%100
39	MP2A	X	-1.66	-1.66	0	%100
40	MP2A	Z	-2.876	-2.876	0	%100
41	MP3A	X	-1.66	-1.66	0	%100
42	MP3A	Z	-2.876	-2.876	0	%100
43	MP4A	X	-1.66	-1.66	0	%100
44	MP4A	Z	-2.876	-2.876	0	%100
45	MP5A	X	-1.66	-1.66	0	%100
46	MP5A	Z	-2.876	-2.876	0	%100
47	MP1C	X	-1.66	-1.66	0	%100
48	MP1C	Z	-2.876	-2.876	0	%100
49	MP2C	X	-1.66	-1.66	0	%100
50	MP2C	Z	-2.876	-2.876	0	%100
51	MP3C	X	-1.66	-1.66	0	%100
52	MP3C	Z	-2.876	-2.876	0	%100
53	MP4C	X	-1.66	-1.66	0	%100
54	MP4C	Z	-2.876	-2.876	0	%100
55	MP5C	X	-1.66	-1.66	0	%100
56	MP5C	Z	-2.876	-2.876	0	%100
57	MP1B	X	-1.66	-1.66	0	%100
58	MP1B	Z	-2.876	-2.876	0	%100
59	MP2B	X	-1.66	-1.66	0	%100
60	MP2B	Z	-2.876	-2.876	0	%100
61	MP3B	X	-1.66	-1.66	0	%100
62	MP3B	Z	-2.876	-2.876	0	%100
63	MP4B	X	-1.66	-1.66	0	%100
64	MP4B	Z	-2.876	-2.876	0	%100
65	MP5B	X	-1.66	-1.66	0	%100
66	MP5B	Z	-2.876	-2.876	0	%100
67	M69	X	-1.379	-1.379	0	%100
68	M69	Z	-2.389	-2.389	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	0	0	0	%100
71	M85	X	-1.379	-1.379	0	%100
72	M85	Z	-2.389	-2.389	0	%100
73	M91	X	-2.114	-2.114	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[in,%]	End Location[in,%]
74	M91	Z	-3.662	-3.662	0	%100
75	M92	X	-.538	-.538	0	%100
76	M92	Z	-.932	-.932	0	%100
77	M93	X	-1.307	-1.307	0	%100
78	M93	Z	-2.264	-2.264	0	%100
79	M94	X	-1.307	-1.307	0	%100
80	M94	Z	-2.264	-2.264	0	%100
81	M95	X	-.538	-.538	0	%100
82	M95	Z	-.932	-.932	0	%100
83	M96	X	-2.114	-2.114	0	%100
84	M96	Z	-3.662	-3.662	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[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	-1.286	-1.286	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.811	-.811	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-1.286	-1.286	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.811	-.811	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-.321	-.321	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-3e-6	-3e-6	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-.321	-.321	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	-.808	-.808	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	-.551	-.551	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-.715	-.715	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-.321	-.321	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-.808	-.808	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-.321	-.321	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-3e-6	-3e-6	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-.551	-.551	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	-.715	-.715	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-.611	-.611	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	-.611	-.611	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	-.611	-.611	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
43	MP4A	X	0	0	0	%100
44	MP4A	Z	-.611	-.611	0	%100
45	MP5A	X	0	0	0	%100
46	MP5A	Z	-.611	-.611	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	-.611	-.611	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	-.611	-.611	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	-.611	-.611	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	-.611	-.611	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	-.611	-.611	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	-.611	-.611	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	-.611	-.611	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	-.611	-.611	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-.611	-.611	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	-.611	-.611	0	%100
67	M69	X	0	0	0	%100
68	M69	Z	-.739	-.739	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	-.185	-.185	0	%100
71	M85	X	0	0	0	%100
72	M85	Z	-.185	-.185	0	%100
73	M91	X	0	0	0	%100
74	M91	Z	-.612	-.612	0	%100
75	M92	X	0	0	0	%100
76	M92	Z	-.612	-.612	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	-.966	-.966	0	%100
79	M94	X	0	0	0	%100
80	M94	Z	-.242	-.242	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-.242	-.242	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	-.966	-.966	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[in,%]	End Location[in,%]
1	M1	X	.482	.482	0	%100
2	M1	Z	-.835	-.835	0	%100
3	M2	X	.54	.54	0	%100
4	M2	Z	-.935	-.935	0	%100
5	M3	X	.482	.482	0	%100
6	M3	Z	-.835	-.835	0	%100
7	M4	X	.136	.136	0	%100
8	M4	Z	-.235	-.235	0	%100
9	M5	X	.092	.092	0	%100
10	M5	Z	-.159	-.159	0	%100
11	M8	X	.119	.119	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[in,%]	End Location[in,%]
12	M8	Z	-.206	-.206	0	%100
13	M9	X	.482	.482	0	%100
14	M9	Z	-.835	-.835	0	%100
15	M10	X	.136	.136	0	%100
16	M10	Z	-.235	-.235	0	%100
17	M11	X	.482	.482	0	%100
18	M11	Z	-.835	-.835	0	%100
19	M12	X	.54	.54	0	%100
20	M12	Z	-.935	-.935	0	%100
21	M13	X	.092	.092	0	%100
22	M13	Z	-.159	-.159	0	%100
23	M16	X	.119	.119	0	%100
24	M16	Z	-.206	-.206	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.134	.134	0	%100
28	M18	Z	-.232	-.232	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	.134	.134	0	%100
32	M20	Z	-.232	-.232	0	%100
33	M21	X	.367	.367	0	%100
34	M21	Z	-.636	-.636	0	%100
35	M24	X	.476	.476	0	%100
36	M24	Z	-.825	-.825	0	%100
37	MP1A	X	.305	.305	0	%100
38	MP1A	Z	-.529	-.529	0	%100
39	MP2A	X	.305	.305	0	%100
40	MP2A	Z	-.529	-.529	0	%100
41	MP3A	X	.305	.305	0	%100
42	MP3A	Z	-.529	-.529	0	%100
43	MP4A	X	.305	.305	0	%100
44	MP4A	Z	-.529	-.529	0	%100
45	MP5A	X	.305	.305	0	%100
46	MP5A	Z	-.529	-.529	0	%100
47	MP1C	X	.305	.305	0	%100
48	MP1C	Z	-.529	-.529	0	%100
49	MP2C	X	.305	.305	0	%100
50	MP2C	Z	-.529	-.529	0	%100
51	MP3C	X	.305	.305	0	%100
52	MP3C	Z	-.529	-.529	0	%100
53	MP4C	X	.305	.305	0	%100
54	MP4C	Z	-.529	-.529	0	%100
55	MP5C	X	.305	.305	0	%100
56	MP5C	Z	-.529	-.529	0	%100
57	MP1B	X	.305	.305	0	%100
58	MP1B	Z	-.529	-.529	0	%100
59	MP2B	X	.305	.305	0	%100
60	MP2B	Z	-.529	-.529	0	%100
61	MP3B	X	.305	.305	0	%100
62	MP3B	Z	-.529	-.529	0	%100
63	MP4B	X	.305	.305	0	%100
64	MP4B	Z	-.529	-.529	0	%100
65	MP5B	X	.305	.305	0	%100
66	MP5B	Z	-.529	-.529	0	%100
67	M69	X	.277	.277	0	%100
68	M69	Z	-.48	-.48	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[in,%]	End Location[in,%]
69	M77	X	.277	.277	0	%100
70	M77	Z	-.48	-.48	0	%100
71	M85	X	0	0	0	%100
72	M85	Z	0	0	0	%100
73	M91	X	.124	.124	0	%100
74	M91	Z	-.214	-.214	0	%100
75	M92	X	.486	.486	0	%100
76	M92	Z	-.841	-.841	0	%100
77	M93	X	.486	.486	0	%100
78	M93	Z	-.841	-.841	0	%100
79	M94	X	.124	.124	0	%100
80	M94	Z	-.214	-.214	0	%100
81	M95	X	.3	.3	0	%100
82	M95	Z	-.52	-.52	0	%100
83	M96	X	.3	.3	0	%100
84	M96	Z	-.52	-.52	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[in,%]	End Location[in,%]
1	M1	X	.278	.278	0	%100
2	M1	Z	-.161	-.161	0	%100
3	M2	X	.7	.7	0	%100
4	M2	Z	-.404	-.404	0	%100
5	M3	X	.278	.278	0	%100
6	M3	Z	-.161	-.161	0	%100
7	M4	X	3e-6	3e-6	0	%100
8	M4	Z	-2e-6	-2e-6	0	%100
9	M5	X	.477	.477	0	%100
10	M5	Z	-.275	-.275	0	%100
11	M8	X	.619	.619	0	%100
12	M8	Z	-.357	-.357	0	%100
13	M9	X	1.113	1.113	0	%100
14	M9	Z	-.643	-.643	0	%100
15	M10	X	.703	.703	0	%100
16	M10	Z	-.406	-.406	0	%100
17	M11	X	1.113	1.113	0	%100
18	M11	Z	-.643	-.643	0	%100
19	M12	X	.703	.703	0	%100
20	M12	Z	-.406	-.406	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	.278	.278	0	%100
26	M17	Z	-.161	-.161	0	%100
27	M18	X	3e-6	3e-6	0	%100
28	M18	Z	-2e-6	-2e-6	0	%100
29	M19	X	.278	.278	0	%100
30	M19	Z	-.161	-.161	0	%100
31	M20	X	.7	.7	0	%100
32	M20	Z	-.404	-.404	0	%100
33	M21	X	.477	.477	0	%100
34	M21	Z	-.275	-.275	0	%100
35	M24	X	.619	.619	0	%100
36	M24	Z	-.357	-.357	0	%100
37	MP1A	X	.529	.529	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[in,%]	End Location[in,%]
38	MP1A	Z	-.305	-.305	0	%100
39	MP2A	X	.529	.529	0	%100
40	MP2A	Z	-.305	-.305	0	%100
41	MP3A	X	.529	.529	0	%100
42	MP3A	Z	-.305	-.305	0	%100
43	MP4A	X	.529	.529	0	%100
44	MP4A	Z	-.305	-.305	0	%100
45	MP5A	X	.529	.529	0	%100
46	MP5A	Z	-.305	-.305	0	%100
47	MP1C	X	.529	.529	0	%100
48	MP1C	Z	-.305	-.305	0	%100
49	MP2C	X	.529	.529	0	%100
50	MP2C	Z	-.305	-.305	0	%100
51	MP3C	X	.529	.529	0	%100
52	MP3C	Z	-.305	-.305	0	%100
53	MP4C	X	.529	.529	0	%100
54	MP4C	Z	-.305	-.305	0	%100
55	MP5C	X	.529	.529	0	%100
56	MP5C	Z	-.305	-.305	0	%100
57	MP1B	X	.529	.529	0	%100
58	MP1B	Z	-.305	-.305	0	%100
59	MP2B	X	.529	.529	0	%100
60	MP2B	Z	-.305	-.305	0	%100
61	MP3B	X	.529	.529	0	%100
62	MP3B	Z	-.305	-.305	0	%100
63	MP4B	X	.529	.529	0	%100
64	MP4B	Z	-.305	-.305	0	%100
65	MP5B	X	.529	.529	0	%100
66	MP5B	Z	-.305	-.305	0	%100
67	M69	X	.16	.16	0	%100
68	M69	Z	-.092	-.092	0	%100
69	M77	X	.64	.64	0	%100
70	M77	Z	-.37	-.37	0	%100
71	M85	X	.16	.16	0	%100
72	M85	Z	-.092	-.092	0	%100
73	M91	X	.209	.209	0	%100
74	M91	Z	-.121	-.121	0	%100
75	M92	X	.836	.836	0	%100
76	M92	Z	-.483	-.483	0	%100
77	M93	X	.53	.53	0	%100
78	M93	Z	-.306	-.306	0	%100
79	M94	X	.53	.53	0	%100
80	M94	Z	-.306	-.306	0	%100
81	M95	X	.836	.836	0	%100
82	M95	Z	-.483	-.483	0	%100
83	M96	X	.209	.209	0	%100
84	M96	Z	-.121	-.121	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[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.268	.268	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
7	M4	X	.268	.268	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.735	.735	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	.953	.953	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	.964	.964	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	1.08	1.08	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	.964	.964	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	.272	.272	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	.184	.184	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	.238	.238	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	.964	.964	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.272	.272	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	.964	.964	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	1.08	1.08	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	.184	.184	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	.238	.238	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	.611	.611	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	.611	.611	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	.611	.611	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	.611	.611	0	%100
44	MP4A	Z	0	0	0	%100
45	MP5A	X	.611	.611	0	%100
46	MP5A	Z	0	0	0	%100
47	MP1C	X	.611	.611	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	.611	.611	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	.611	.611	0	%100
52	MP3C	Z	0	0	0	%100
53	MP4C	X	.611	.611	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	.611	.611	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	.611	.611	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	.611	.611	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	.611	.611	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	.611	.611	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
64	MP4B	Z	0	0	0	%100
65	MP5B	X	.611	.611	0	%100
66	MP5B	Z	0	0	0	%100
67	M69	X	0	0	0	%100
68	M69	Z	0	0	0	%100
69	M77	X	.554	.554	0	%100
70	M77	Z	0	0	0	%100
71	M85	X	.554	.554	0	%100
72	M85	Z	0	0	0	%100
73	M91	X	.601	.601	0	%100
74	M91	Z	0	0	0	%100
75	M92	X	.601	.601	0	%100
76	M92	Z	0	0	0	%100
77	M93	X	.247	.247	0	%100
78	M93	Z	0	0	0	%100
79	M94	X	.972	.972	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	.972	.972	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	.247	.247	0	%100
84	M96	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[in,%]	End Location[in,%]
1	M1	X	.278	.278	0	%100
2	M1	Z	.161	.161	0	%100
3	M2	X	3e-6	3e-6	0	%100
4	M2	Z	2e-6	2e-6	0	%100
5	M3	X	.278	.278	0	%100
6	M3	Z	.161	.161	0	%100
7	M4	X	.7	.7	0	%100
8	M4	Z	.404	.404	0	%100
9	M5	X	.477	.477	0	%100
10	M5	Z	.275	.275	0	%100
11	M8	X	.619	.619	0	%100
12	M8	Z	.357	.357	0	%100
13	M9	X	.278	.278	0	%100
14	M9	Z	.161	.161	0	%100
15	M10	X	.7	.7	0	%100
16	M10	Z	.404	.404	0	%100
17	M11	X	.278	.278	0	%100
18	M11	Z	.161	.161	0	%100
19	M12	X	3e-6	3e-6	0	%100
20	M12	Z	2e-6	2e-6	0	%100
21	M13	X	.477	.477	0	%100
22	M13	Z	.275	.275	0	%100
23	M16	X	.619	.619	0	%100
24	M16	Z	.357	.357	0	%100
25	M17	X	1.113	1.113	0	%100
26	M17	Z	.643	.643	0	%100
27	M18	X	.703	.703	0	%100
28	M18	Z	.406	.406	0	%100
29	M19	X	1.113	1.113	0	%100
30	M19	Z	.643	.643	0	%100
31	M20	X	.703	.703	0	%100
32	M20	Z	.406	.406	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[in,%]	End Location[in,%]
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	.529	.529	0	%100
38	MP1A	Z	.305	.305	0	%100
39	MP2A	X	.529	.529	0	%100
40	MP2A	Z	.305	.305	0	%100
41	MP3A	X	.529	.529	0	%100
42	MP3A	Z	.305	.305	0	%100
43	MP4A	X	.529	.529	0	%100
44	MP4A	Z	.305	.305	0	%100
45	MP5A	X	.529	.529	0	%100
46	MP5A	Z	.305	.305	0	%100
47	MP1C	X	.529	.529	0	%100
48	MP1C	Z	.305	.305	0	%100
49	MP2C	X	.529	.529	0	%100
50	MP2C	Z	.305	.305	0	%100
51	MP3C	X	.529	.529	0	%100
52	MP3C	Z	.305	.305	0	%100
53	MP4C	X	.529	.529	0	%100
54	MP4C	Z	.305	.305	0	%100
55	MP5C	X	.529	.529	0	%100
56	MP5C	Z	.305	.305	0	%100
57	MP1B	X	.529	.529	0	%100
58	MP1B	Z	.305	.305	0	%100
59	MP2B	X	.529	.529	0	%100
60	MP2B	Z	.305	.305	0	%100
61	MP3B	X	.529	.529	0	%100
62	MP3B	Z	.305	.305	0	%100
63	MP4B	X	.529	.529	0	%100
64	MP4B	Z	.305	.305	0	%100
65	MP5B	X	.529	.529	0	%100
66	MP5B	Z	.305	.305	0	%100
67	M69	X	.16	.16	0	%100
68	M69	Z	.092	.092	0	%100
69	M77	X	.16	.16	0	%100
70	M77	Z	.092	.092	0	%100
71	M85	X	.64	.64	0	%100
72	M85	Z	.37	.37	0	%100
73	M91	X	.836	.836	0	%100
74	M91	Z	.483	.483	0	%100
75	M92	X	.209	.209	0	%100
76	M92	Z	.121	.121	0	%100
77	M93	X	.209	.209	0	%100
78	M93	Z	.121	.121	0	%100
79	M94	X	.836	.836	0	%100
80	M94	Z	.483	.483	0	%100
81	M95	X	.53	.53	0	%100
82	M95	Z	.306	.306	0	%100
83	M96	X	.53	.53	0	%100
84	M96	Z	.306	.306	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[in,%]	End Location[in,%]
1	M1	X	.482	.482	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
2	M1	Z	.835	.835	0	%100
3	M2	X	.136	.136	0	%100
4	M2	Z	.235	.235	0	%100
5	M3	X	.482	.482	0	%100
6	M3	Z	.835	.835	0	%100
7	M4	X	.54	.54	0	%100
8	M4	Z	.935	.935	0	%100
9	M5	X	.092	.092	0	%100
10	M5	Z	.159	.159	0	%100
11	M8	X	.119	.119	0	%100
12	M8	Z	.206	.206	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	.134	.134	0	%100
16	M10	Z	.232	.232	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	.134	.134	0	%100
20	M12	Z	.232	.232	0	%100
21	M13	X	.367	.367	0	%100
22	M13	Z	.636	.636	0	%100
23	M16	X	.476	.476	0	%100
24	M16	Z	.825	.825	0	%100
25	M17	X	.482	.482	0	%100
26	M17	Z	.835	.835	0	%100
27	M18	X	.54	.54	0	%100
28	M18	Z	.935	.935	0	%100
29	M19	X	.482	.482	0	%100
30	M19	Z	.835	.835	0	%100
31	M20	X	.136	.136	0	%100
32	M20	Z	.235	.235	0	%100
33	M21	X	.092	.092	0	%100
34	M21	Z	.159	.159	0	%100
35	M24	X	.119	.119	0	%100
36	M24	Z	.206	.206	0	%100
37	MP1A	X	.305	.305	0	%100
38	MP1A	Z	.529	.529	0	%100
39	MP2A	X	.305	.305	0	%100
40	MP2A	Z	.529	.529	0	%100
41	MP3A	X	.305	.305	0	%100
42	MP3A	Z	.529	.529	0	%100
43	MP4A	X	.305	.305	0	%100
44	MP4A	Z	.529	.529	0	%100
45	MP5A	X	.305	.305	0	%100
46	MP5A	Z	.529	.529	0	%100
47	MP1C	X	.305	.305	0	%100
48	MP1C	Z	.529	.529	0	%100
49	MP2C	X	.305	.305	0	%100
50	MP2C	Z	.529	.529	0	%100
51	MP3C	X	.305	.305	0	%100
52	MP3C	Z	.529	.529	0	%100
53	MP4C	X	.305	.305	0	%100
54	MP4C	Z	.529	.529	0	%100
55	MP5C	X	.305	.305	0	%100
56	MP5C	Z	.529	.529	0	%100
57	MP1B	X	.305	.305	0	%100
58	MP1B	Z	.529	.529	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
59	MP2B	X	.305	.305	0	%100
60	MP2B	Z	.529	.529	0	%100
61	MP3B	X	.305	.305	0	%100
62	MP3B	Z	.529	.529	0	%100
63	MP4B	X	.305	.305	0	%100
64	MP4B	Z	.529	.529	0	%100
65	MP5B	X	.305	.305	0	%100
66	MP5B	Z	.529	.529	0	%100
67	M69	X	.277	.277	0	%100
68	M69	Z	.48	.48	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	0	0	0	%100
71	M85	X	.277	.277	0	%100
72	M85	Z	.48	.48	0	%100
73	M91	X	.486	.486	0	%100
74	M91	Z	.841	.841	0	%100
75	M92	X	.124	.124	0	%100
76	M92	Z	.214	.214	0	%100
77	M93	X	.3	.3	0	%100
78	M93	Z	.52	.52	0	%100
79	M94	X	.3	.3	0	%100
80	M94	Z	.52	.52	0	%100
81	M95	X	.124	.124	0	%100
82	M95	Z	.214	.214	0	%100
83	M96	X	.486	.486	0	%100
84	M96	Z	.841	.841	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[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	1.286	1.286	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.811	.811	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	1.286	1.286	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.811	.811	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	.321	.321	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	3e-6	3e-6	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	.321	.321	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	.808	.808	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	.551	.551	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	.715	.715	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	.321	.321	0	%100
27	M18	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[in,%]	End Location[in,%]
28	M18	Z	.808	.808	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	.321	.321	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	3e-6	3e-6	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	.551	.551	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	.715	.715	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	.611	.611	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	.611	.611	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	.611	.611	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	.611	.611	0	%100
45	MP5A	X	0	0	0	%100
46	MP5A	Z	.611	.611	0	%100
47	MP1C	X	0	0	0	%100
48	MP1C	Z	.611	.611	0	%100
49	MP2C	X	0	0	0	%100
50	MP2C	Z	.611	.611	0	%100
51	MP3C	X	0	0	0	%100
52	MP3C	Z	.611	.611	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	.611	.611	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	.611	.611	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	.611	.611	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	.611	.611	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	.611	.611	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	.611	.611	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	.611	.611	0	%100
67	M69	X	0	0	0	%100
68	M69	Z	.739	.739	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	.185	.185	0	%100
71	M85	X	0	0	0	%100
72	M85	Z	.185	.185	0	%100
73	M91	X	0	0	0	%100
74	M91	Z	.612	.612	0	%100
75	M92	X	0	0	0	%100
76	M92	Z	.612	.612	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	.966	.966	0	%100
79	M94	X	0	0	0	%100
80	M94	Z	.242	.242	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	.242	.242	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	.966	.966	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[in,%]	End Location[in,%]
1	M1	X	-.482	-.482	0	%100
2	M1	Z	.835	.835	0	%100
3	M2	X	-.54	-.54	0	%100
4	M2	Z	.935	.935	0	%100
5	M3	X	-.482	-.482	0	%100
6	M3	Z	.835	.835	0	%100
7	M4	X	-.136	-.136	0	%100
8	M4	Z	.235	.235	0	%100
9	M5	X	-.092	-.092	0	%100
10	M5	Z	.159	.159	0	%100
11	M8	X	-.119	-.119	0	%100
12	M8	Z	.206	.206	0	%100
13	M9	X	-.482	-.482	0	%100
14	M9	Z	.835	.835	0	%100
15	M10	X	-.136	-.136	0	%100
16	M10	Z	.235	.235	0	%100
17	M11	X	-.482	-.482	0	%100
18	M11	Z	.835	.835	0	%100
19	M12	X	-.54	-.54	0	%100
20	M12	Z	.935	.935	0	%100
21	M13	X	-.092	-.092	0	%100
22	M13	Z	.159	.159	0	%100
23	M16	X	-.119	-.119	0	%100
24	M16	Z	.206	.206	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-.134	-.134	0	%100
28	M18	Z	.232	.232	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-.134	-.134	0	%100
32	M20	Z	.232	.232	0	%100
33	M21	X	-.367	-.367	0	%100
34	M21	Z	.636	.636	0	%100
35	M24	X	-.476	-.476	0	%100
36	M24	Z	.825	.825	0	%100
37	MP1A	X	-.305	-.305	0	%100
38	MP1A	Z	.529	.529	0	%100
39	MP2A	X	-.305	-.305	0	%100
40	MP2A	Z	.529	.529	0	%100
41	MP3A	X	-.305	-.305	0	%100
42	MP3A	Z	.529	.529	0	%100
43	MP4A	X	-.305	-.305	0	%100
44	MP4A	Z	.529	.529	0	%100
45	MP5A	X	-.305	-.305	0	%100
46	MP5A	Z	.529	.529	0	%100
47	MP1C	X	-.305	-.305	0	%100
48	MP1C	Z	.529	.529	0	%100
49	MP2C	X	-.305	-.305	0	%100
50	MP2C	Z	.529	.529	0	%100
51	MP3C	X	-.305	-.305	0	%100
52	MP3C	Z	.529	.529	0	%100
53	MP4C	X	-.305	-.305	0	%100
54	MP4C	Z	.529	.529	0	%100
55	MP5C	X	-.305	-.305	0	%100
56	MP5C	Z	.529	.529	0	%100
57	MP1B	X	-.305	-.305	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[in,%]	End Location[in,%]
58	MP1B	Z	.529	.529	0	%100
59	MP2B	X	-.305	-.305	0	%100
60	MP2B	Z	.529	.529	0	%100
61	MP3B	X	-.305	-.305	0	%100
62	MP3B	Z	.529	.529	0	%100
63	MP4B	X	-.305	-.305	0	%100
64	MP4B	Z	.529	.529	0	%100
65	MP5B	X	-.305	-.305	0	%100
66	MP5B	Z	.529	.529	0	%100
67	M69	X	-.277	-.277	0	%100
68	M69	Z	.48	.48	0	%100
69	M77	X	-.277	-.277	0	%100
70	M77	Z	.48	.48	0	%100
71	M85	X	0	0	0	%100
72	M85	Z	0	0	0	%100
73	M91	X	-.124	-.124	0	%100
74	M91	Z	.214	.214	0	%100
75	M92	X	-.486	-.486	0	%100
76	M92	Z	.841	.841	0	%100
77	M93	X	-.486	-.486	0	%100
78	M93	Z	.841	.841	0	%100
79	M94	X	-.124	-.124	0	%100
80	M94	Z	.214	.214	0	%100
81	M95	X	-.3	-.3	0	%100
82	M95	Z	.52	.52	0	%100
83	M96	X	-.3	-.3	0	%100
84	M96	Z	.52	.52	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[in,%]	End Location[in,%]
1	M1	X	-.278	-.278	0	%100
2	M1	Z	.161	.161	0	%100
3	M2	X	-.7	-.7	0	%100
4	M2	Z	.404	.404	0	%100
5	M3	X	-.278	-.278	0	%100
6	M3	Z	.161	.161	0	%100
7	M4	X	-3e-6	-3e-6	0	%100
8	M4	Z	2e-6	2e-6	0	%100
9	M5	X	-.477	-.477	0	%100
10	M5	Z	.275	.275	0	%100
11	M8	X	-.619	-.619	0	%100
12	M8	Z	.357	.357	0	%100
13	M9	X	-1.113	-1.113	0	%100
14	M9	Z	.643	.643	0	%100
15	M10	X	-.703	-.703	0	%100
16	M10	Z	.406	.406	0	%100
17	M11	X	-1.113	-1.113	0	%100
18	M11	Z	.643	.643	0	%100
19	M12	X	-.703	-.703	0	%100
20	M12	Z	.406	.406	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-.278	-.278	0	%100
26	M17	Z	.161	.161	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
27	M18	X	-3e-6	-3e-6	0	%100
28	M18	Z	2e-6	2e-6	0	%100
29	M19	X	-.278	-.278	0	%100
30	M19	Z	.161	.161	0	%100
31	M20	X	-.7	-.7	0	%100
32	M20	Z	.404	.404	0	%100
33	M21	X	-.477	-.477	0	%100
34	M21	Z	.275	.275	0	%100
35	M24	X	-.619	-.619	0	%100
36	M24	Z	.357	.357	0	%100
37	MP1A	X	-.529	-.529	0	%100
38	MP1A	Z	.305	.305	0	%100
39	MP2A	X	-.529	-.529	0	%100
40	MP2A	Z	.305	.305	0	%100
41	MP3A	X	-.529	-.529	0	%100
42	MP3A	Z	.305	.305	0	%100
43	MP4A	X	-.529	-.529	0	%100
44	MP4A	Z	.305	.305	0	%100
45	MP5A	X	-.529	-.529	0	%100
46	MP5A	Z	.305	.305	0	%100
47	MP1C	X	-.529	-.529	0	%100
48	MP1C	Z	.305	.305	0	%100
49	MP2C	X	-.529	-.529	0	%100
50	MP2C	Z	.305	.305	0	%100
51	MP3C	X	-.529	-.529	0	%100
52	MP3C	Z	.305	.305	0	%100
53	MP4C	X	-.529	-.529	0	%100
54	MP4C	Z	.305	.305	0	%100
55	MP5C	X	-.529	-.529	0	%100
56	MP5C	Z	.305	.305	0	%100
57	MP1B	X	-.529	-.529	0	%100
58	MP1B	Z	.305	.305	0	%100
59	MP2B	X	-.529	-.529	0	%100
60	MP2B	Z	.305	.305	0	%100
61	MP3B	X	-.529	-.529	0	%100
62	MP3B	Z	.305	.305	0	%100
63	MP4B	X	-.529	-.529	0	%100
64	MP4B	Z	.305	.305	0	%100
65	MP5B	X	-.529	-.529	0	%100
66	MP5B	Z	.305	.305	0	%100
67	M69	X	-.16	-.16	0	%100
68	M69	Z	.092	.092	0	%100
69	M77	X	-.64	-.64	0	%100
70	M77	Z	.37	.37	0	%100
71	M85	X	-.16	-.16	0	%100
72	M85	Z	.092	.092	0	%100
73	M91	X	-.209	-.209	0	%100
74	M91	Z	.121	.121	0	%100
75	M92	X	-.836	-.836	0	%100
76	M92	Z	.483	.483	0	%100
77	M93	X	-.53	-.53	0	%100
78	M93	Z	.306	.306	0	%100
79	M94	X	-.53	-.53	0	%100
80	M94	Z	.306	.306	0	%100
81	M95	X	-.836	-.836	0	%100
82	M95	Z	.483	.483	0	%100
83	M96	X	-.209	-.209	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[in,%]	End Location[in,%]
84	M96	Z	.121	.121	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[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.268	-.268	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.268	-.268	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.735	-.735	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	-.953	-.953	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-.964	-.964	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-1.08	-1.08	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-.964	-.964	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-.272	-.272	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-.184	-.184	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	-.238	-.238	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-.964	-.964	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-.272	-.272	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-.964	-.964	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-1.08	-1.08	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-.184	-.184	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	-.238	-.238	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-.611	-.611	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	-.611	-.611	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	-.611	-.611	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	-.611	-.611	0	%100
44	MP4A	Z	0	0	0	%100
45	MP5A	X	-.611	-.611	0	%100
46	MP5A	Z	0	0	0	%100
47	MP1C	X	-.611	-.611	0	%100
48	MP1C	Z	0	0	0	%100
49	MP2C	X	-.611	-.611	0	%100
50	MP2C	Z	0	0	0	%100
51	MP3C	X	-.611	-.611	0	%100
52	MP3C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
53	MP4C	X	-.611	-.611	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	-.611	-.611	0	%100
56	MP5C	Z	0	0	0	%100
57	MP1B	X	-.611	-.611	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	-.611	-.611	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	-.611	-.611	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	-.611	-.611	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	-.611	-.611	0	%100
66	MP5B	Z	0	0	0	%100
67	M69	X	0	0	0	%100
68	M69	Z	0	0	0	%100
69	M77	X	-.554	-.554	0	%100
70	M77	Z	0	0	0	%100
71	M85	X	-.554	-.554	0	%100
72	M85	Z	0	0	0	%100
73	M91	X	-.601	-.601	0	%100
74	M91	Z	0	0	0	%100
75	M92	X	-.601	-.601	0	%100
76	M92	Z	0	0	0	%100
77	M93	X	-.247	-.247	0	%100
78	M93	Z	0	0	0	%100
79	M94	X	-.972	-.972	0	%100
80	M94	Z	0	0	0	%100
81	M95	X	-.972	-.972	0	%100
82	M95	Z	0	0	0	%100
83	M96	X	-.247	-.247	0	%100
84	M96	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[in,%]	End Location[in,%]
1	M1	X	-.278	-.278	0	%100
2	M1	Z	-.161	-.161	0	%100
3	M2	X	-3e-6	-3e-6	0	%100
4	M2	Z	-2e-6	-2e-6	0	%100
5	M3	X	-.278	-.278	0	%100
6	M3	Z	-.161	-.161	0	%100
7	M4	X	-.7	-.7	0	%100
8	M4	Z	-.404	-.404	0	%100
9	M5	X	-.477	-.477	0	%100
10	M5	Z	-.275	-.275	0	%100
11	M8	X	-.619	-.619	0	%100
12	M8	Z	-.357	-.357	0	%100
13	M9	X	-.278	-.278	0	%100
14	M9	Z	-.161	-.161	0	%100
15	M10	X	-.7	-.7	0	%100
16	M10	Z	-.404	-.404	0	%100
17	M11	X	-.278	-.278	0	%100
18	M11	Z	-.161	-.161	0	%100
19	M12	X	-3e-6	-3e-6	0	%100
20	M12	Z	-2e-6	-2e-6	0	%100
21	M13	X	-.477	-.477	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
22	M13	Z	-.275	-.275	0	%100
23	M16	X	-.619	-.619	0	%100
24	M16	Z	-.357	-.357	0	%100
25	M17	X	-1.113	-1.113	0	%100
26	M17	Z	-.643	-.643	0	%100
27	M18	X	-.703	-.703	0	%100
28	M18	Z	-.406	-.406	0	%100
29	M19	X	-1.113	-1.113	0	%100
30	M19	Z	-.643	-.643	0	%100
31	M20	X	-.703	-.703	0	%100
32	M20	Z	-.406	-.406	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-.529	-.529	0	%100
38	MP1A	Z	-.305	-.305	0	%100
39	MP2A	X	-.529	-.529	0	%100
40	MP2A	Z	-.305	-.305	0	%100
41	MP3A	X	-.529	-.529	0	%100
42	MP3A	Z	-.305	-.305	0	%100
43	MP4A	X	-.529	-.529	0	%100
44	MP4A	Z	-.305	-.305	0	%100
45	MP5A	X	-.529	-.529	0	%100
46	MP5A	Z	-.305	-.305	0	%100
47	MP1C	X	-.529	-.529	0	%100
48	MP1C	Z	-.305	-.305	0	%100
49	MP2C	X	-.529	-.529	0	%100
50	MP2C	Z	-.305	-.305	0	%100
51	MP3C	X	-.529	-.529	0	%100
52	MP3C	Z	-.305	-.305	0	%100
53	MP4C	X	-.529	-.529	0	%100
54	MP4C	Z	-.305	-.305	0	%100
55	MP5C	X	-.529	-.529	0	%100
56	MP5C	Z	-.305	-.305	0	%100
57	MP1B	X	-.529	-.529	0	%100
58	MP1B	Z	-.305	-.305	0	%100
59	MP2B	X	-.529	-.529	0	%100
60	MP2B	Z	-.305	-.305	0	%100
61	MP3B	X	-.529	-.529	0	%100
62	MP3B	Z	-.305	-.305	0	%100
63	MP4B	X	-.529	-.529	0	%100
64	MP4B	Z	-.305	-.305	0	%100
65	MP5B	X	-.529	-.529	0	%100
66	MP5B	Z	-.305	-.305	0	%100
67	M69	X	-.16	-.16	0	%100
68	M69	Z	-.092	-.092	0	%100
69	M77	X	-.16	-.16	0	%100
70	M77	Z	-.092	-.092	0	%100
71	M85	X	-.64	-.64	0	%100
72	M85	Z	-.37	-.37	0	%100
73	M91	X	-.836	-.836	0	%100
74	M91	Z	-.483	-.483	0	%100
75	M92	X	-.209	-.209	0	%100
76	M92	Z	-.121	-.121	0	%100
77	M93	X	-.209	-.209	0	%100
78	M93	Z	-.121	-.121	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
79	M94	X	-.836	-.836	0	%100
80	M94	Z	-.483	-.483	0	%100
81	M95	X	-.53	-.53	0	%100
82	M95	Z	-.306	-.306	0	%100
83	M96	X	-.53	-.53	0	%100
84	M96	Z	-.306	-.306	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[in,%]	End Location[in,%]
1	M1	X	-.482	-.482	0	%100
2	M1	Z	-.835	-.835	0	%100
3	M2	X	-.136	-.136	0	%100
4	M2	Z	-.235	-.235	0	%100
5	M3	X	-.482	-.482	0	%100
6	M3	Z	-.835	-.835	0	%100
7	M4	X	-.54	-.54	0	%100
8	M4	Z	-.935	-.935	0	%100
9	M5	X	-.092	-.092	0	%100
10	M5	Z	-.159	-.159	0	%100
11	M8	X	-.119	-.119	0	%100
12	M8	Z	-.206	-.206	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-.134	-.134	0	%100
16	M10	Z	-.232	-.232	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-.134	-.134	0	%100
20	M12	Z	-.232	-.232	0	%100
21	M13	X	-.367	-.367	0	%100
22	M13	Z	-.636	-.636	0	%100
23	M16	X	-.476	-.476	0	%100
24	M16	Z	-.825	-.825	0	%100
25	M17	X	-.482	-.482	0	%100
26	M17	Z	-.835	-.835	0	%100
27	M18	X	-.54	-.54	0	%100
28	M18	Z	-.935	-.935	0	%100
29	M19	X	-.482	-.482	0	%100
30	M19	Z	-.835	-.835	0	%100
31	M20	X	-.136	-.136	0	%100
32	M20	Z	-.235	-.235	0	%100
33	M21	X	-.092	-.092	0	%100
34	M21	Z	-.159	-.159	0	%100
35	M24	X	-.119	-.119	0	%100
36	M24	Z	-.206	-.206	0	%100
37	MP1A	X	-.305	-.305	0	%100
38	MP1A	Z	-.529	-.529	0	%100
39	MP2A	X	-.305	-.305	0	%100
40	MP2A	Z	-.529	-.529	0	%100
41	MP3A	X	-.305	-.305	0	%100
42	MP3A	Z	-.529	-.529	0	%100
43	MP4A	X	-.305	-.305	0	%100
44	MP4A	Z	-.529	-.529	0	%100
45	MP5A	X	-.305	-.305	0	%100
46	MP5A	Z	-.529	-.529	0	%100
47	MP1C	X	-.305	-.305	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[in,%]	End Location[in,%]
48	MP1C	Z	-.529	-.529	0	%100
49	MP2C	X	-.305	-.305	0	%100
50	MP2C	Z	-.529	-.529	0	%100
51	MP3C	X	-.305	-.305	0	%100
52	MP3C	Z	-.529	-.529	0	%100
53	MP4C	X	-.305	-.305	0	%100
54	MP4C	Z	-.529	-.529	0	%100
55	MP5C	X	-.305	-.305	0	%100
56	MP5C	Z	-.529	-.529	0	%100
57	MP1B	X	-.305	-.305	0	%100
58	MP1B	Z	-.529	-.529	0	%100
59	MP2B	X	-.305	-.305	0	%100
60	MP2B	Z	-.529	-.529	0	%100
61	MP3B	X	-.305	-.305	0	%100
62	MP3B	Z	-.529	-.529	0	%100
63	MP4B	X	-.305	-.305	0	%100
64	MP4B	Z	-.529	-.529	0	%100
65	MP5B	X	-.305	-.305	0	%100
66	MP5B	Z	-.529	-.529	0	%100
67	M69	X	-.277	-.277	0	%100
68	M69	Z	-.48	-.48	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	0	0	0	%100
71	M85	X	-.277	-.277	0	%100
72	M85	Z	-.48	-.48	0	%100
73	M91	X	-.486	-.486	0	%100
74	M91	Z	-.841	-.841	0	%100
75	M92	X	-.124	-.124	0	%100
76	M92	Z	-.214	-.214	0	%100
77	M93	X	-.3	-.3	0	%100
78	M93	Z	-.52	-.52	0	%100
79	M94	X	-.3	-.3	0	%100
80	M94	Z	-.52	-.52	0	%100
81	M95	X	-.124	-.124	0	%100
82	M95	Z	-.214	-.214	0	%100
83	M96	X	-.486	-.486	0	%100
84	M96	Z	-.841	-.841	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M17	Y	-.099	-2.987	0	24.714
2	M17	Y	-2.987	-4.973	24.714	49.429
3	M17	Y	-4.973	-4.774	49.429	74.143
4	M17	Y	-4.774	-4.774	74.143	98.857
5	M17	Y	-4.774	-4.973	98.857	123.571
6	M17	Y	-4.973	-2.987	123.571	148.286
7	M17	Y	-2.987	-.099	148.286	173
8	M18	Y	-.483	-2.452	0	23.071
9	M18	Y	-2.452	-4.421	23.071	46.141
10	M19	Y	-5.054	-5.054	.256	92.744
11	M20	Y	-4.421	-2.452	0	23.071
12	M20	Y	-2.452	-.483	23.071	46.141
13	M1	Y	-.099	-2.987	0	24.714
14	M1	Y	-2.987	-4.973	24.714	49.429
15	M1	Y	-4.973	-4.774	49.429	74.143
16	M1	Y	-4.774	-4.774	74.143	98.857

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
17	M1	Y	-4.774	-4.973	98.857	123.571
18	M1	Y	-4.973	-2.987	123.571	148.286
19	M1	Y	-2.987	-.099	148.286	173
20	M2	Y	-.483	-2.452	0	23.071
21	M2	Y	-2.452	-4.421	23.071	46.141
22	M3	Y	-5.054	-5.054	.256	92.744
23	M4	Y	-4.421	-2.452	0	23.071
24	M4	Y	-2.452	-.483	23.071	46.141
25	M2	Y	-.0005275	-.087	23.071	27.685
26	M2	Y	-.087	-.248	27.685	32.299
27	M2	Y	-.248	-.332	32.299	36.913
28	M2	Y	-.332	-.336	36.913	41.527
29	M2	Y	-.336	-.325	41.527	46.141
30	M9	Y	-.293	-2.883	0	24.714
31	M9	Y	-2.883	-4.894	24.714	49.429
32	M9	Y	-4.894	-5.29	49.429	74.143
33	M9	Y	-5.29	-4.852	74.143	98.857
34	M9	Y	-4.852	-4.633	98.857	123.571
35	M9	Y	-4.633	-3.302	123.571	148.286
36	M9	Y	-3.302	-.84	148.286	173
37	M10	Y	-.75	-.829	4.614	12.92
38	M10	Y	-.829	-1.843	12.92	21.225
39	M10	Y	-1.843	-3.302	21.225	29.53
40	M10	Y	-3.302	-4.062	29.53	37.836
41	M10	Y	-4.062	-4.617	37.836	46.141
42	M11	Y	-4.748	-5.093	0	18.6
43	M11	Y	-5.093	-5.236	18.6	37.2
44	M11	Y	-5.236	-5.636	37.2	55.8
45	M11	Y	-5.636	-5.518	55.8	74.4
46	M11	Y	-5.518	-4.424	74.4	93
47	M12	Y	-3.793	-4.376	0	9.228
48	M12	Y	-4.376	-3.843	9.228	18.456
49	M12	Y	-3.843	-2.526	18.456	27.685
50	M12	Y	-2.526	-1.367	27.685	36.913
51	M12	Y	-1.367	-.09	36.913	46.141
52	M31	Y	-.538	-.759	0	.999
53	M31	Y	-.759	-.98	.999	1.997
54	M32	Y	-.174	-.174	0	1.916

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M17	Y	-.189	-5.729	0	24.714
2	M17	Y	-5.729	-9.537	24.714	49.429
3	M17	Y	-9.537	-9.156	49.429	74.143
4	M17	Y	-9.156	-9.156	74.143	98.857
5	M17	Y	-9.156	-9.537	98.857	123.571
6	M17	Y	-9.537	-5.729	123.571	148.286
7	M17	Y	-5.729	-.189	148.286	173
8	M18	Y	-.926	-4.702	0	23.071
9	M18	Y	-4.702	-8.477	23.071	46.141
10	M19	Y	-9.691	-9.691	.256	92.744
11	M20	Y	-8.477	-4.702	0	23.071
12	M20	Y	-4.702	-.926	23.071	46.141
13	M1	Y	-.189	-5.729	0	24.714
14	M1	Y	-5.729	-9.537	24.714	49.429
15	M1	Y	-9.537	-9.156	49.429	74.143

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
16	M1	Y	-9.156	-9.156	74.143	98.857
17	M1	Y	-9.156	-9.537	98.857	123.571
18	M1	Y	-9.537	-5.729	123.571	148.286
19	M1	Y	-5.729	-.189	148.286	173
20	M2	Y	-.926	-4.702	0	23.071
21	M2	Y	-4.702	-8.477	23.071	46.141
22	M3	Y	-9.691	-9.691	.256	92.744
23	M4	Y	-8.477	-4.702	0	23.071
24	M4	Y	-4.702	-.926	23.071	46.141
25	M9	Y	-.189	-5.729	0	24.714
26	M9	Y	-5.729	-9.537	24.714	49.429
27	M9	Y	-9.537	-9.156	49.429	74.143
28	M9	Y	-9.156	-9.156	74.143	98.857
29	M9	Y	-9.156	-9.537	98.857	123.571
30	M9	Y	-9.537	-5.729	123.571	148.286
31	M9	Y	-5.729	-.189	148.286	173
32	M10	Y	-.926	-4.702	0	23.071
33	M10	Y	-4.702	-8.477	23.071	46.141
34	M11	Y	-9.691	-9.691	.256	92.744
35	M12	Y	-8.477	-4.702	0	23.071
36	M12	Y	-4.702	-.926	23.071	46.141

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N23	N26A	N25	N22	Y	Two Way	-.005
2	N3	N6	N5	N2	Y	Two Way	-.005
3	N13	N5	N15	N12	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N23	N26A	N25	N22	Y	Two Way	-.01
2	N3	N6	N5	N2	Y	Two Way	-.01
3	N13	N16	N15	N12	Y	Two Way	-.01

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N7	max	1972.023	11	1956.582	19	520.398	1	-.765	1	1.579	12	.878	28
2		min	-1979.07	5	354.08	1	-620.687	7	-5.146	19	-1.697	6	-.766	10
3	N17	max	1015.541	10	1842.725	15	1732.027	1	2.523	14	1.566	8	4.149	16
4		min	-1093.067	4	334.767	9	-1665.164	7	.045	8	-1.693	2	.597	10
5	N27	max	1126.743	10	1864.526	23	1553.705	12	2.368	24	1.527	12	-.629	4
6		min	-1041.978	4	352.345	5	-1504.375	6	.039	6	-1.628	6	-4.316	22
7	N143	max	616.236	10	709.067	13	1142.242	1	0	7	0	28	0	28
8		min	-523.581	4	-147.834	7	-314.118	7	0	1	0	10	0	10
9	N146A	max	908.598	10	704.045	21	416.093	1	0	12	0	12	0	7
10		min	-244.462	4	-115.258	3	-927.058	7	0	30	0	30	0	1
11	N149	max	335.467	10	698.614	17	345.79	1	0	2	0	8	0	1
12		min	-1091.99	4	-110.404	11	-679.665	7	0	8	0	2	0	7
13	Totals:	max	5648.31	10	7149.784	14	5669.366	1						
14		min	-5648.284	4	3289.337	8	-5669.36	7						

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

	Member	Shape	Code Check	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc [l...	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	L3X3X4	.671	86.5	31	.738	86.5	z	19	3719.819	46656	1.688	2.662	1....	H2-1
2	M2	L3X3X4	.147	0	7	.026	46.141	z	30	33625.937	46656	1.688	3.756	1....	H2-1
3	M3	L3X3X4	.350	46.5	17	.015	46.5	z	16	12872.063	46656	1.688	3.125	1....	H2-1
4	M4	L3X3X4	.140	46.141	12	.019	0	y	6	33625.937	46656	1.688	3.756	2....	H2-1
5	M5	HSS4X4X4	.344	0	18	.110	0	z	5	138885.8...	139518	16.181	16.181	1....	H1-1b
6	M8	HSS4.5X4.5...	.198	0	18	.081	0	y	29	119907.9...	121302	16.25	16.25	1....	H1-1b
7	M9	L3X3X4	.642	86.5	3	.709	86.5	z	15	3719.819	46656	1.688	2.424	1....	H2-1
8	M10	L3X3X4	.141	0	3	.018	46.141	z	14	33625.937	46656	1.688	3.756	1....	H2-1
9	M11	L3X3X4	.338	46.5	13	.015	46.5	z	24	12872.063	46656	1.688	3.127	1....	H2-1
10	M12	L3X3X4	.144	46.141	8	.020	0	y	2	33625.937	46656	1.688	3.756	2....	H2-1
11	M13	HSS4X4X4	.325	0	14	.108	0	z	1	138885.8...	139518	16.181	16.181	1....	H1-1b
12	M16	HSS4.5X4.5...	.184	0	14	.061	0	y	29	119907.9...	121302	16.25	16.25	1....	H1-1b
13	M17	L3X3X4	.660	86.5	23	.713	86.5	z	23	3719.819	46656	1.688	2.532	1....	H2-1
14	M18	L3X3X4	.148	0	11	.017	46.141	y	6	33625.937	46656	1.688	3.756	1....	H2-1
15	M19	L3X3X4	.341	46.5	21	.016	46.5	z	20	12872.063	46656	1.688	3.133	1....	H2-1
16	M20	L3X3X4	.131	46.141	4	.018	0	y	10	33625.937	46656	1.688	3.756	2....	H2-1
17	M21	HSS4X4X4	.324	0	22	.108	0	z	9	138885.8...	139518	16.181	16.181	1....	H1-1b
18	M24	HSS4.5X4.5...	.186	0	22	.056	0	y	21	119907.9...	121302	16.25	16.25	1....	H1-1b
19	MP1A	PIPE_2.5	.182	48.75	1	.091	48.75		12	37773.818	50715	3.596	3.596	2....	H1-1b
20	MP2A	PIPE_2.0	.360	42.583	31	.123	42.583		22	20616.322	32130	1.872	1.872	1....	H1-1b
21	MP3A	PIPE_2.0	.157	4.5	19	.038	39.75		11	20866.733	32130	1.872	1.872	2....	H1-1b
22	MP4A	PIPE_2.0	.277	5.25	19	.112	40.5		16	20866.733	32130	1.872	1.872	2....	H1-1b
23	MP5A	PIPE_2.0	.277	40.5	18	.076	17.25		14	20866.733	32130	1.872	1.872	2....	H1-1b
24	MP1C	PIPE_2.5	.181	48.75	9	.092	48.75		8	37773.818	50715	3.596	3.596	1....	H1-1b
25	MP2C	PIPE_2.0	.301	7.604	15	.123	42.583		18	20616.322	32130	1.872	1.872	2....	H1-1b
26	MP3C	PIPE_2.0	.151	4.5	15	.035	39.75		7	20866.733	32130	1.872	1.872	2....	H1-1b
27	MP4C	PIPE_2.0	.290	5.25	26	.108	40.5		23	20866.733	32130	1.872	1.872	2....	H1-1b
28	MP5C	PIPE_2.0	.342	40.5	26	.081	40.5		10	20866.733	32130	1.872	1.872	2....	H1-1b
29	MP1B	PIPE_2.5	.181	48.75	5	.091	48.75		4	37773.818	50715	3.596	3.596	1....	H1-1b
30	MP2B	PIPE_2.0	.316	7.604	23	.122	42.583		15	20616.322	32130	1.872	1.872	1....	H1-1b
31	MP3B	PIPE_2.0	.156	4.5	23	.036	39.75		3	20866.733	32130	1.872	1.872	1....	H1-1b
32	MP4B	PIPE_2.0	.261	5.25	22	.108	40.5		19	20866.733	32130	1.872	1.872	2....	H1-1b
33	MP5B	PIPE_2.0	.287	40.5	22	.080	17.25		18	20866.733	32130	1.872	1.872	1....	H1-1b
34	M69	PIPE_2.5	.247	79.625	19	.103	120.25		1	13460.421	50715	3.596	3.596	1....	H1-1b
35	M77	PIPE_2.5	.232	79.625	15	.102	120.25		9	13460.421	50715	3.596	3.596	1....	H1-1b
36	M85	PIPE_2.5	.237	79.625	23	.103	120.25		5	13460.421	50715	3.596	3.596	1....	H1-1b
37	M91	L2.5x2.5x3	.084	28.144	14	.006	55.138	y	5	14658.057	29192.4	.873	1.655	1....	H2-1
38	M92	L2.5x2.5x3	.093	28.144	24	.006	0	z	9	14658.057	29192.4	.873	1.655	1....	H2-1
39	M93	L2.5x2.5x3	.081	28.144	22	.007	0	y	1	14658.057	29192.4	.873	1.655	1....	H2-1
40	M94	L2.5x2.5x3	.094	28.144	20	.006	0	z	5	14658.057	29192.4	.873	1.655	1....	H2-1
41	M95	L2.5x2.5x3	.082	28.144	18	.007	0	y	9	14658.057	29192.4	.873	1.655	1....	H2-1
42	M96	L2.5x2.5x3	.092	28.144	16	.006	0	z	1	14658.057	29192.4	.873	1.655	1....	H2-1
43	M94A	L3X3X4	.385	0	14	.028	0	y	6	44295.709	46656	1.688	3.756	1....	H2-1
44	M95A	L3X3X4	.382	0	22	.037	0	y	30	44295.709	46656	1.688	3.756	1....	H2-1
45	M96A	L3X3X4	.392	0	18	.029	0	y	14	44295.709	46656	1.688	3.756	1....	H2-1

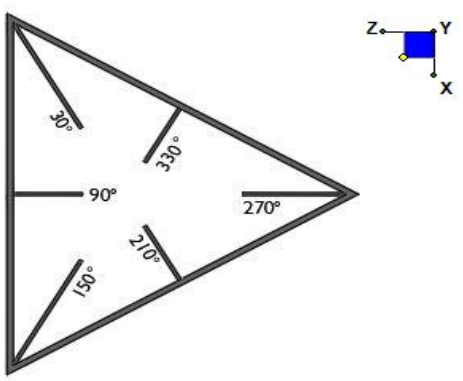
Client:	Verizon	Date:	5/3/2021
Site Name:	West Haven 3 CT		
Project No.	21777058A		
Title:	Mount Fix	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

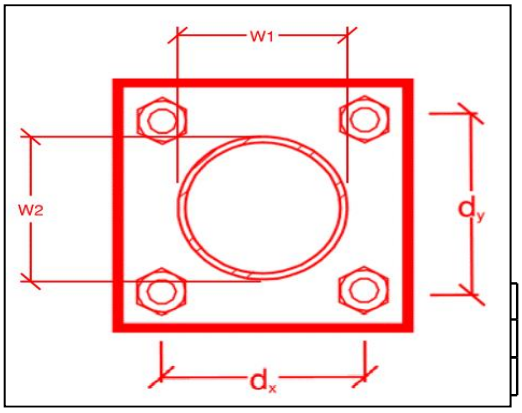
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N7	90
N27	330
N17	210



TYPICAL PLATFORM

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
Weld Size (1/16 in):	4
Phi*Rn (kip/in):	5.57
Required Weld Strength (kip/in):	2.91
Weld Capacity:	**52.3%**



Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

Base Requirements:

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

Photo Requirements:

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

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

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor to Install safety climb wire clip on existing mount collar such that the existing safety climb wire does not contact the existing mount members.

Response:

Schedule A – Photo & Document File Structure

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

Structure: 469064-VZW - WEST HAVEN 3 CT

Sector: **A**

Structure Type: Monopole

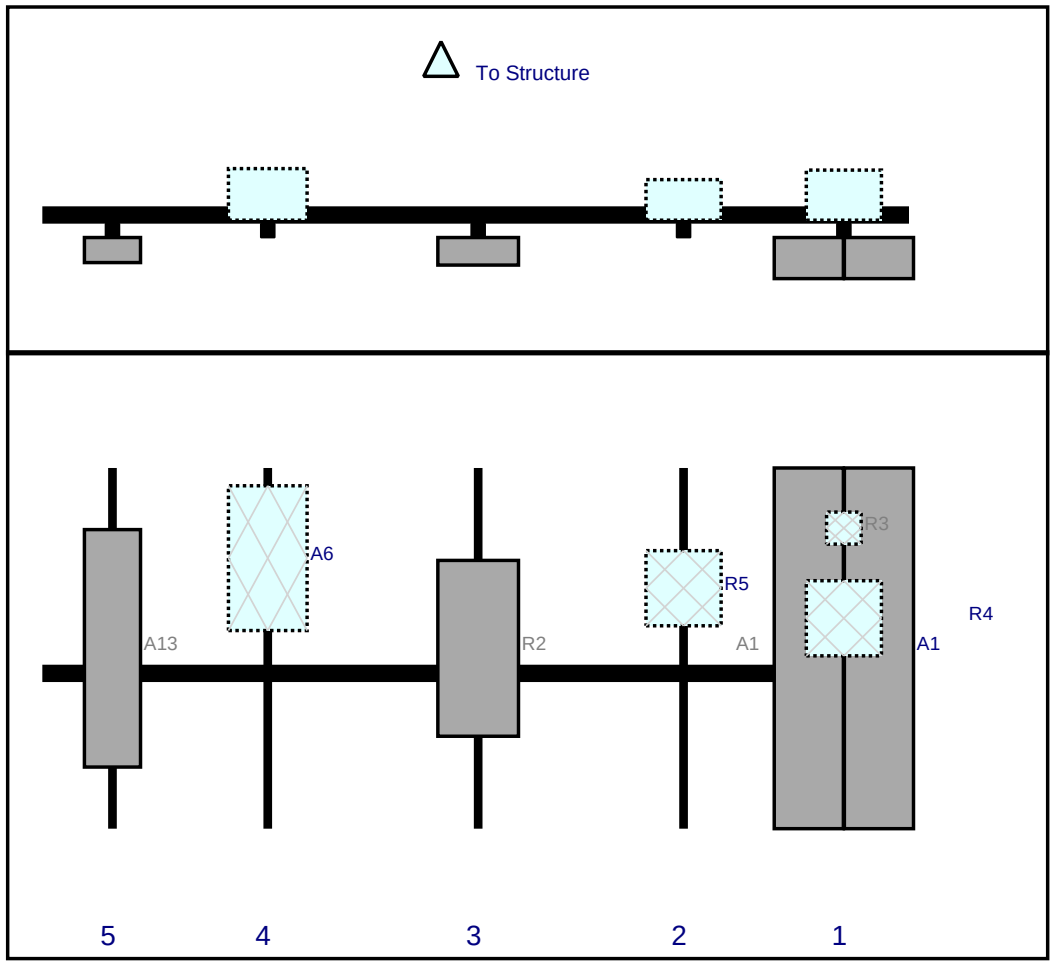
Mount Elev: 119.00

5/3/2021

MASER CONSULTING — CONNECTICUT —

Plan View

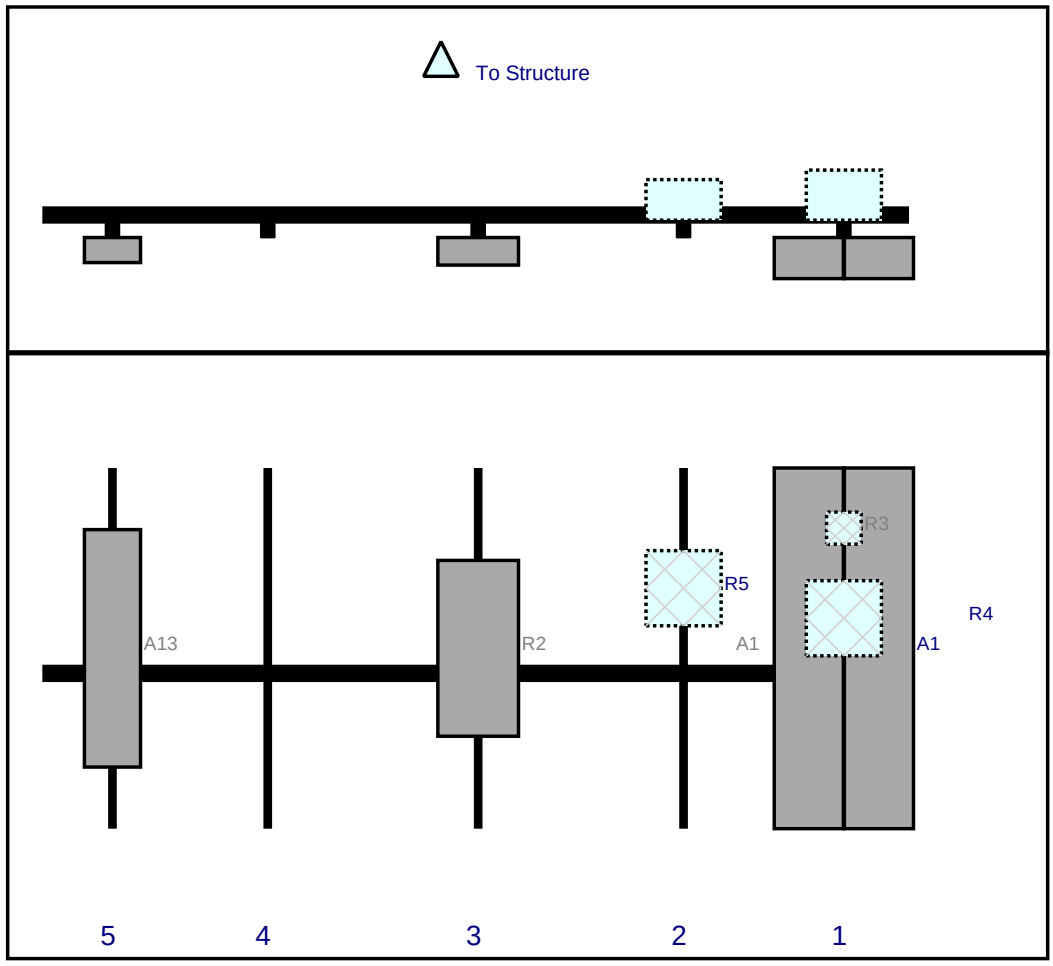
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	JAHH-65B-R3B	72	13.8	160	1	a	Front	36	7	Added	
A1	JAHH-65B-R3B	72	13.8	160	1	b	Front	36	-7	Added	
R3	CBC78T-DS-43-2X	6.4	6.9	160	1	a	Behind	12	0	Added	
R4	B2/B66A RRH-BRO49	15	15	160	1	a	Behind	30	0	Added	
R5	B5/B13 RRH-BRO4C	15	15	128	2	a	Behind	24	0	Added	
R2	MT6407-77A	35.1	16.1	87	3	a	Front	36	0	Added	
A6	RVZDC-6627-PF-48	28.9	15.7	45	4	a	Behind	18	0	Added	
A13	BXA-80063/4CF	47.4	11.2	14	5	a	Front	36	0	Retained	01/16/2021

Plan View

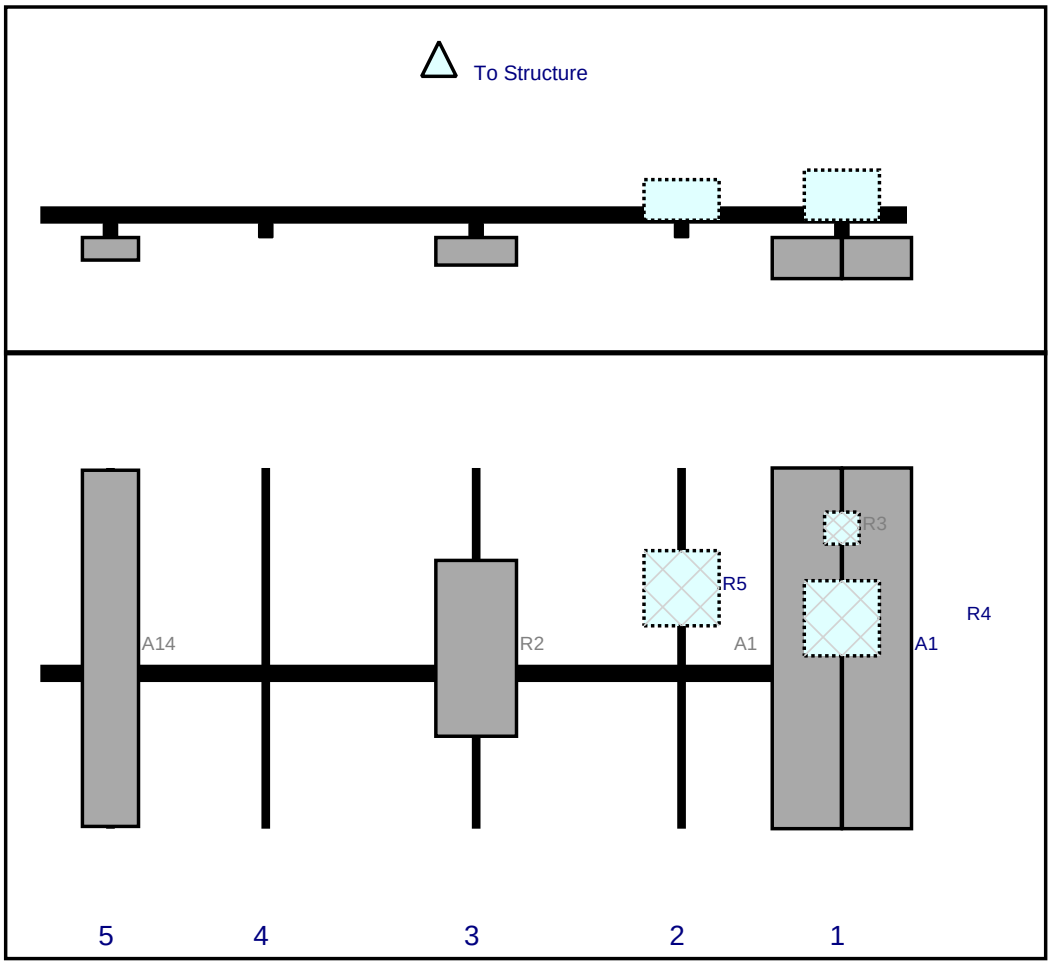
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	JAHH-65B-R3B	72	13.8	160	1	a	Front	36	7	Added	
A1	JAHH-65B-R3B	72	13.8	160	1	b	Front	36	-7	Added	
R3	CBC78T-DS-43-2X	6.4	6.9	160	1	a	Behind	12	0	Added	
R4	B2/B66A RRH-BRO49	15	15	160	1	a	Behind	30	0	Added	
R5	B5/B13 RRH-BRO4C	15	15	128	2	a	Behind	24	0	Added	
R2	MT6407-77A	35.1	16.1	87	3	a	Front	36	0	Added	
A13	BXA-80063/4CF	47.4	11.2	14	5	a	Front	36	0	Retained	01/16/2021

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	JAHH-65B-R3B	72	13.8	160	1	a	Front	36	7	Added	
A1	JAHH-65B-R3B	72	13.8	160	1	b	Front	36	-7	Added	
R3	CBC78T-DS-43-2X	6.4	6.9	160	1	a	Behind	12	0	Added	
R4	B2/B66A RRH-BRO49	15	15	160	1	a	Behind	30	0	Added	
R5	B5/B13 RRH-BRO4C	15	15	128	2	a	Behind	24	0	Added	
R2	MT6407-77A	35.1	16.1	87	3	a	Front	36	0	Added	
A14	BXA-80063/6CF	71.1	11.2	14	5	a	Front	36	0	Retained	01/16/2021

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	Site ID:	469064-VZW / WEST HAVEN 3 CT
	Site Name:	WEST HAVEN 3 CT
	Carrier Name:	Verizon Wireless
	Address:	85 Plainfield Ave West Haven, Connecticut 06516 New Haven County
	Latitude:	41.301275°
	Longitude:	-72.976444°
Structure Information	Tower Type:	Monopole
	Mount Type:	14.42-Ft Platform

To Whom It May Concern,

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

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

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

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

Sincerely,

Justin Linette, PE
Sr. Technical Manager

Exhibit F

Power Density/RF Emissions Report

Site Name: ***WEST HAVEN 3 CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)
VZW 700	751	4	663	2654	120	0.0066
VZW CDMA	877.26	2	368	736	120	0.0018
VZW Cellular	874	4	760	3039	120	0.0076
VZW PCS	1975	4	1473	5891	120	0.0147
VZW AWS	2120	4	1481	5925	120	0.0148
VZW CBAND	3730.08	4	6531	26125	120	0.0652

Total Percentage of Maximum Permissible Exposure

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Counci

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

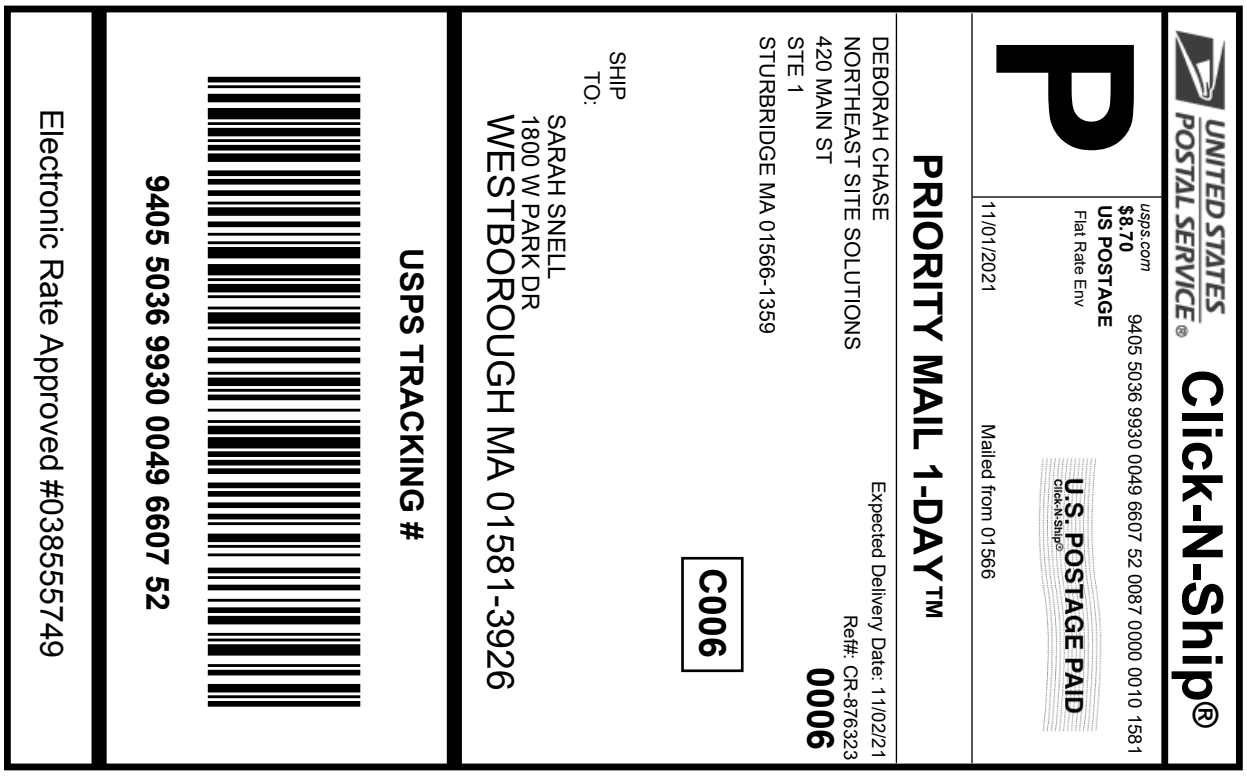
Absolute worst case maximum values used.

Maximum Permissible Exposure*	Fraction of MPE
(mW/cm^2)	(%)
0.5007	1.32%
0.5848	0.31%
0.5827	1.30%
1.0000	1.47%
1.0000	1.48%
1.0000	6.52%
	12.42%

/IEEE C95.1-199
il's November 10, 2015 Memorandum for Exempt Modification filing

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

USPS TRACKING # :
9405 5036 9930 0049 6607 52

Trans. #:	547338621
Print Date:	11/01/2021
Ship Date:	11/01/2021
Expected Delivery Date:	11/02/2021

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

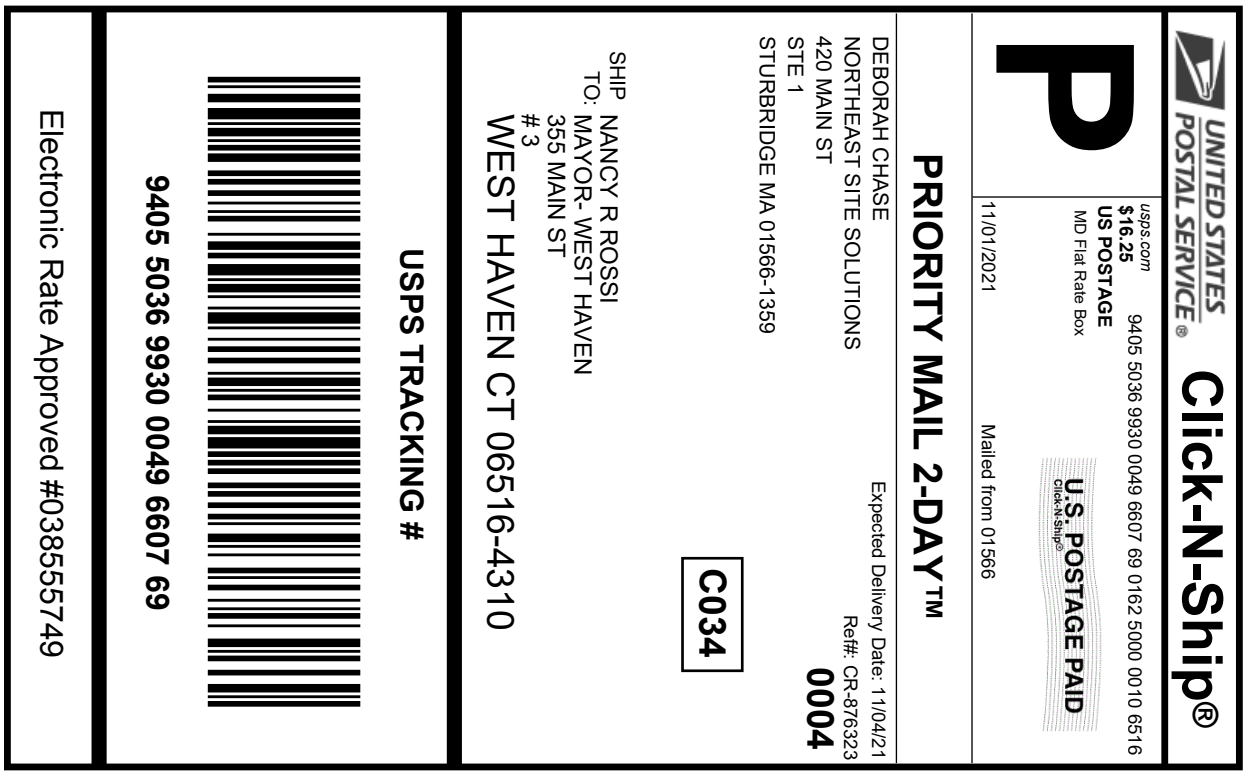
From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-876323

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

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

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



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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0049 6607 69

Trans. #:	547338621
Print Date:	11/01/2021
Ship Date:	11/01/2021
Expected Delivery Date:	11/04/2021

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

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

Ref#: CR-876323

To: NANCY R ROSSI
MAYOR- WEST HAVEN
355 MAIN ST
3
WEST HAVEN CT 06516-4310

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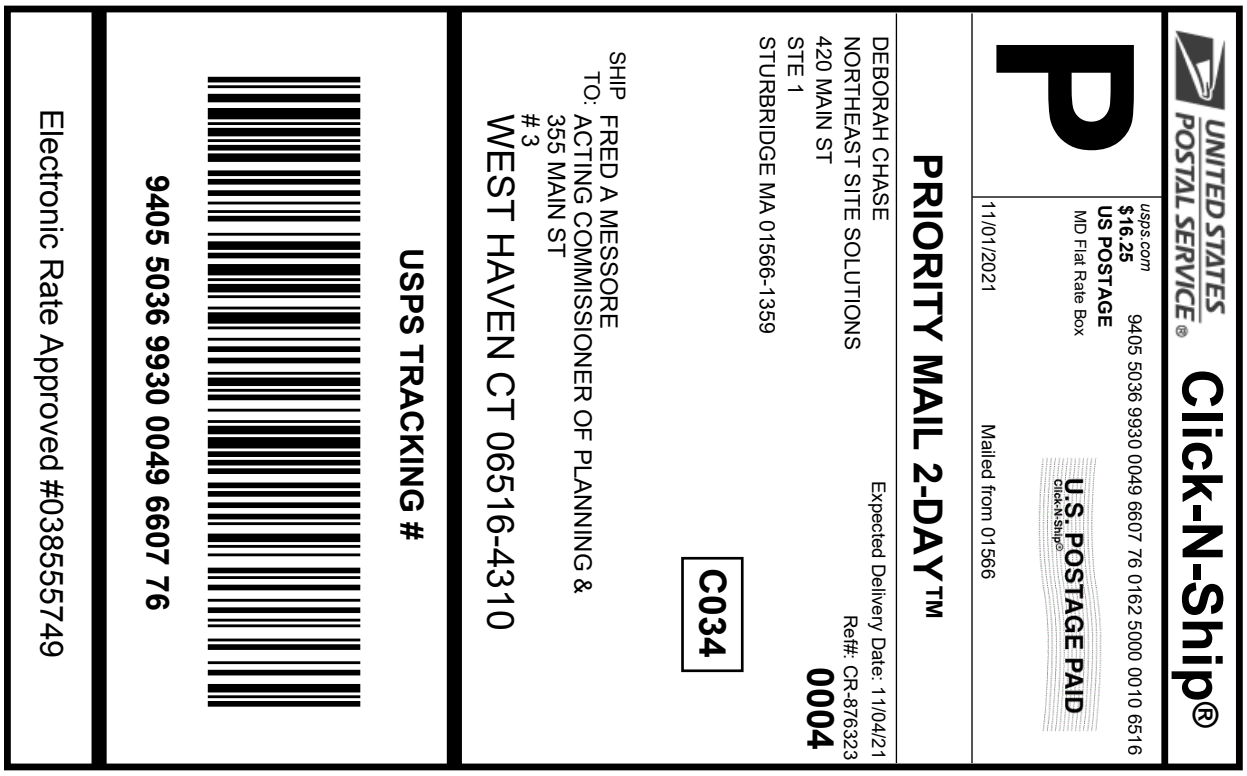

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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0049 6607 76

Trans. #:	547338621
Print Date:	11/01/2021
Ship Date:	11/01/2021
Expected Delivery Date:	11/04/2021

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

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

Ref#: CR-876323

To: FRED A MESSORE
ACTING COMMISSIONER OF PLANNING & DEVELOPMENT
355 MAIN ST
3
WEST HAVEN CT 06516-4310

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

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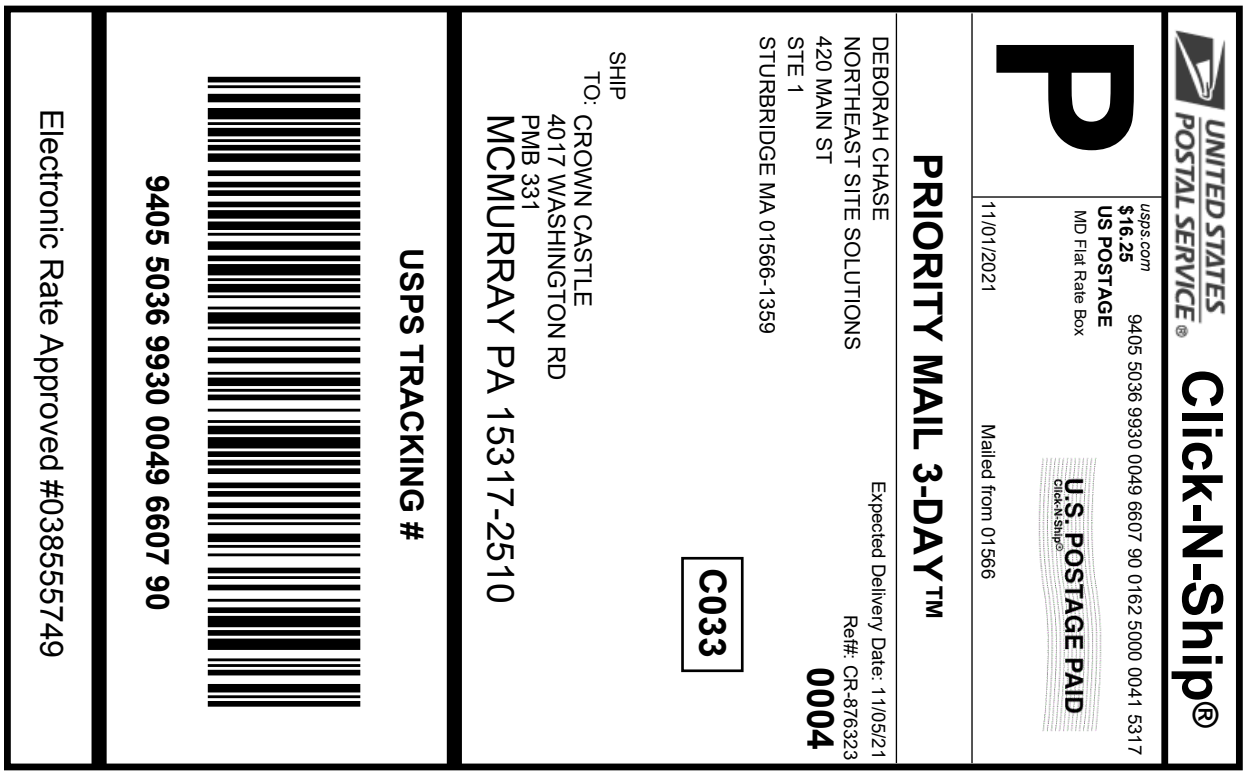

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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0049 6607 90

Trans. #:	547338621
Print Date:	11/01/2021
Ship Date:	11/01/2021
Expected Delivery Date:	11/05/2021

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

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

Ref#: CR-876323

To: CROWN CASTLE
4017 WASHINGTON RD
PMB 331
MCMURRAY PA 15317-2510

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

Thank you for shipping with the United States Postal Service!
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876323

UNITED STATES POSTAL SERVICE.

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

11/03/2021 12:52 PM

Product	Qty	Unit Price	Price
Prepaid Mail Westborough, MA 01581 Weight: 0 lb 2.00 oz Acceptance Date: Wed 11/03/2021 Tracking #: 9405 5036 9930 0049 6607 52	1		$0.00
Prepaid Mail West Haven, CT 06516 Weight: 1 lb 5.80 oz Acceptance Date: Wed 11/03/2021 Tracking #: 9405 5036 9930 0049 6607 76	1		$0.00
Prepaid Mail West Haven, CT 06516 Weight: 1 lb 5.80 oz Acceptance Date: Wed 11/03/2021 Tracking #: 9405 5036 9930 0049 6607 69	1		$0.00
Prepaid Mail Canonsburg, PA 15317 Weight: 1 lb 5.80 oz Acceptance Date: Wed 11/03/2021 Tracking #: 9405 5036 9930 0049 6607 90	1		$0.00
Grand Total:			$0.00