



Northeast Site Solutions
Denise Sabo
4 Angela's Way, Burlington CT 06013
203-435-3640
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October 26, 2021

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

RE: Exempt Modification Application
625 Spring Street, Southington CT 06489
Latitude: 41.632472
Longitude: -72.894250
Site#: 876334_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 625 Spring Street, Southington CT 06489. Verizon Wireless currently maintains twelve (12) antennas at the 133-foot level of the existing 160-foot tower. The property and tower are both owned by Crown Castle. Verizon now intends to replace nine (9) of the existing antenna with nine (9) new antenna. The new antennas would be installed at the 133-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable.

Verizon Planned Modifications:

Remove: NONE

Remove and Replace:

- (3) SBNHH-1D65B Antenna (REMOVE) – (3) Commscope NNH-65B-R2B Antenna (REPLACE)
- (3) SBNHH-1D65B Antenna (REMOVE) – (3) Commscope NNHSS-65B-R2BT0 Antenna (REPLACE)
- (3) BXA 7006306CF Antenna (REMOVE) – (3) MT6407-77A Antenna (REPLACE)
- (3) Nokia UHIC B4 RRH (REMOVE) - (3) CBRS RT4401 RRH (REPLACE)

Install New: NONE

Existing to Remain:

- (3) BXA 80080-6CF Antenna
- (3) Samsung B2/B66A -BRO49 – RFV01U-D1A RRH
- (3) Samsung B2/B66A -BRO49 – RFV01U-D1A RRH
- (2) Raycap
- (18) Coax
- (2) Hybrid



NSS **NORTHEAST**
SITE SOLUTIONS
Turnkey Wireless Development

The facility was approved by the Town of Southington Planning and Zoning on May 18, 1998. Please see attached.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-SOj-73, a copy of this letter is being sent to Mr. Mark J. Sciota, Town Manager, and Mr. Matthew Reimondo, Zoning Enforcement Officer for the Town of Southington. 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



NSS

NORTHEAST
SITE SOLUTIONS

Turnkey Wireless Development

Attachments

cc: Mr. Mark J. Sciota -Town Manager
Town of Southington
75 Main Street Southington, CT 06489 860-276-6200

Mr. Matthew Reimondo – Zoning Enforcement Officer
Town of Southington Municipal Center
196 North Main Street, Southington, CT 06489 860-276-6248

Crown Castle, Property and Tower Owner

Exhibit A

Original Facility Approval

3/11/98
OK
SM

PLANNING AND ZONING DEPARTMENT

P.O. BOX 610 • SOUTHLINGTON, CONN. 06489 • 203/278-6248

TOWN FEE: \$10.00
STATE FEE: \$10.00
TOTAL FEE: \$20.00

Z.P. # 5625



ZONING PERMIT APPLICATION

Applicant (please print):

Owner (please print):

Sprint DCS
9 Barnes Industrial Road
Wallingford, CT, 06492
Telephone: 203-294-5676

Josephine Smoron
55 Smoron Drive
Southington, CT 06489
Telephone: 860-628-6243

Address of Property: 625 Spring Street Zone: R-40
Utilities: Sewer N/A Septic System N/A Well N/A Town Water N/A

Proposed Activity: install Telecommunication Facility
Does proposed activity entail construction or land alteration within 50 feet of a wetland/wet area/waterbody? Yes X No

Date of following approvals: Special Permit 12/9/98 Subdivision
Site Plan 12/9/97 Inland/Wetland 12/2/97 Filling of Floodplain
Variance Special Exception* Home Occupation*
Expansion of Non-Conforming Use*

Submit 7 set of plans. * NOTE: Provide one copy each of certain approval letters stamped by the Town Clerk and noting the volume and page number of the approval in the land records.

OFFICE USE ONLY	Approved	Denied
Planner/Inland Wetlands:	<u>5/16/98</u>	
Zoning Officer:	<u>5/18/98</u>	
Town Engineer:	<u>5/18/98</u>	
Water Department:		
Health Department:		

Approved for Zoning Permit. A copy of this approval shall be presented to the Building Official prior to issuance of a Building Permit.

Frank Vinea 5/18/98
Zoning Enforcement Officer Date

CERTIFICATE OF ZONING COMPLIANCE

Z.P. #

I hereby certify that all improvements were installed in compliance with the Zoning Permit.

	Approved	Denied
Planner/Inland Wetlands:		
Zoning Officer:		
Town Engineer:		
Water Department:		
Health Department:		

Approved for Certificate of Zoning Compliance. A copy of this approval shall be presented to the Building Official prior to issuance of a Certificate of Occupancy.

1/94

Zoning Enforcement Officer Date

** I have received a copy of the ordinance requiring the fencing of pools

Signed
Print

Exhibit B

Property Card

625 SPRING ST

Location 625 SPRING ST

Mblu 168 / / 020 / /

Acct# 19111

Owner GLOBAL SIGNAL
ACQUISITIONS II LLC

Assessment \$253,850

Appraisal \$362,630

PID 15908

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2020	\$23,750	\$338,880	\$362,630

Assessment			
Valuation Year	Improvements	Land	Total
2020	\$16,630	\$237,220	\$253,850

Owner of Record

Owner GLOBAL SIGNAL ACQUISITIONS II LLC
Co-Owner
Address 4017 WASHINGTON RD PMB 331
CANONSBURG, PA 15317

Sale Price \$0
Certificate
Book & Page 0788/0214
Sale Date 04/25/2001
Instrument

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
GLOBAL SIGNAL ACQUISITIONS II LLC	\$0		0788/0214		04/25/2001

Building Information

Building 1 : Section 1

Year Built:

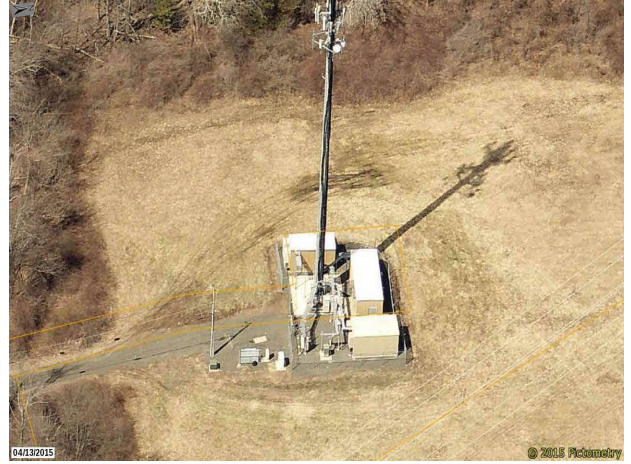
Living Area: 0

Building Percent Good:

Building Attributes	
Field	Description

Style	Vacant w/OB
Model	
Grade:	
Stories	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Full Bthrms:	
Half Baths:	
Extra Fixtures	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Total Kitchens	
Fireplaces	
Whirlpool Tubs	
Fin Bsmt Area	
Fin Bsmt Quality	
Bsmt Garages	
.	
Bsmt Type	
Attic Type	
Cath Ceiling	

Building Photo



(<http://images.vgsi.com/photos2/SouthingtonCTPhotos//00\05\81\46.jpg>)

Building Layout

(http://images.vgsi.com/photos2/SouthingtonCTPhotos//Sketches/15908_1)

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

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code 438
Description Cell Site
Zone R-40
Alt Land Appr No
Category

Land Line Valuation

Size (Acres) 1.62
Depth

Outbuildings

Outbuildings					Legend
Code	Description	Sub Code	Sub Description	Size	Bldg #
FN5	Fence-10'Chain			233.00 L.F.	1
SHD5	Cell Shed			360.00 units	1
SHD5	Cell Shed			240.00 units	1
SHD5	Cell Shed			180.00 units	1

Valuation History

Appraisal				
Valuation Year	Improvements	Land	Total	
2020	\$23,750	\$338,880	\$362,630	
2019	\$23,750	\$206,120	\$229,870	
2018	\$23,750	\$206,120	\$229,870	
2017	\$3,500	\$206,120	\$209,620	
2016	\$3,500	\$206,120	\$209,620	

Assessment				
Valuation Year	Improvements	Land	Total	
2020	\$16,630	\$237,220	\$253,850	
2019	\$16,630	\$144,280	\$160,910	
2018	\$16,630	\$144,280	\$160,910	
2017	\$2,450	\$144,280	\$146,730	
2016	\$2,450	\$144,280	\$146,730	



Exhibit C

Construction Drawings

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

- NOTICE TO PROCEED- NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800-788-7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
- "LOOK UP" - CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT: THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
- PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
- ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CED-STD-10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA-322 (LATEST EDITION).
- ALL SITE WORK TO COMPLY WITH QAS-STD-10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE," CED-STD-10294 "STANDARD FOR INSTALLATION OF MOUNTS AND APPURTENANCES," AND LATEST VERSION OF ANSI/TIA-1019-A-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS." IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- 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.
- ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
- CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- 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.
- 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.
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
- THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GREENFIELD GROUNDING NOTES:

- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- THE CONTRACTOR SHALL PERFORM IEEE FALL-OFF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
- METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
- CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
- ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
- COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
- ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
- APPROVED ANTI-OXIDANT COATINGS (I.E. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
- MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- BOND ALL METALLIC OBJECTS WITHIN 6 FT. OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
- 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.
- 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).
- 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).

GENERAL NOTES:

- FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
CARRIER: VERIZON
TOWER OWNER: CROWN CASTLE USA INC.
- 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.
- THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
- NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
- 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.
- PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CROWN CASTLE.
- ALL MATERIALS SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

- 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.
- UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
- 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.
- CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER-TO-CEMENT RATIO (W/C) OF 0.45.
- ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WFF) 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
- 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"
- A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

ELECTRICAL INSTALLATION NOTES:

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
- CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
- WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
- 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. VERIFY 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.
- EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (I.E. PANEL BOARD AND CIRCUIT ID'S).
- PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
- ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
- ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- 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).
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
- ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
- LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET WORK FIRM TIGHTENING AFTER INSTALLATION.
- CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
- WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREFOLD SPECMATE WIREWAY).
- SLOTTED WIRING CADD SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "VERIZON".
- 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
277/480V, 3Ø	GROUND	GREEN
	A PHASE	BROWN
	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
DC VOLTAGE	NEUTRAL	GREY
	GROUND	GREEN
	POS (+)	RED**
	NEG (-)	BLACK**

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

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
RETS	REMOTE ELECTRIC TILT
RFDS	RADIO FREQUENCY DATA SHEET
RRH	REMOTE RADIO HEAD
RUU	REMOTE RADIO UNIT
SIAD	SMART INTEGRATED DEVICE
TMA	TOWER MOUNTED AMPLIFIER
TYP	TYPICAL
UMTS	UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
W.P.	WORK POINT

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



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MAHWAH, NJ 07430



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3227 WELLINGTON COURT
RALEIGH, NC 27615

VERIZON SITE NUMBER:
469273

BU #: 876334
SOUTHINGTON, SMORON

625 SPRING STREET
SOUTHINGTON, CT 06489

EXISTING 158.0' MONOPOLE.

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	09/27/2021	MT	CONSTRUCTION	DG



STATE OF CONNECTICUT
MATTHEW J. TOST
PEN 0029529
LICENSED PROFESSIONAL ENGINEER

09/27/2021

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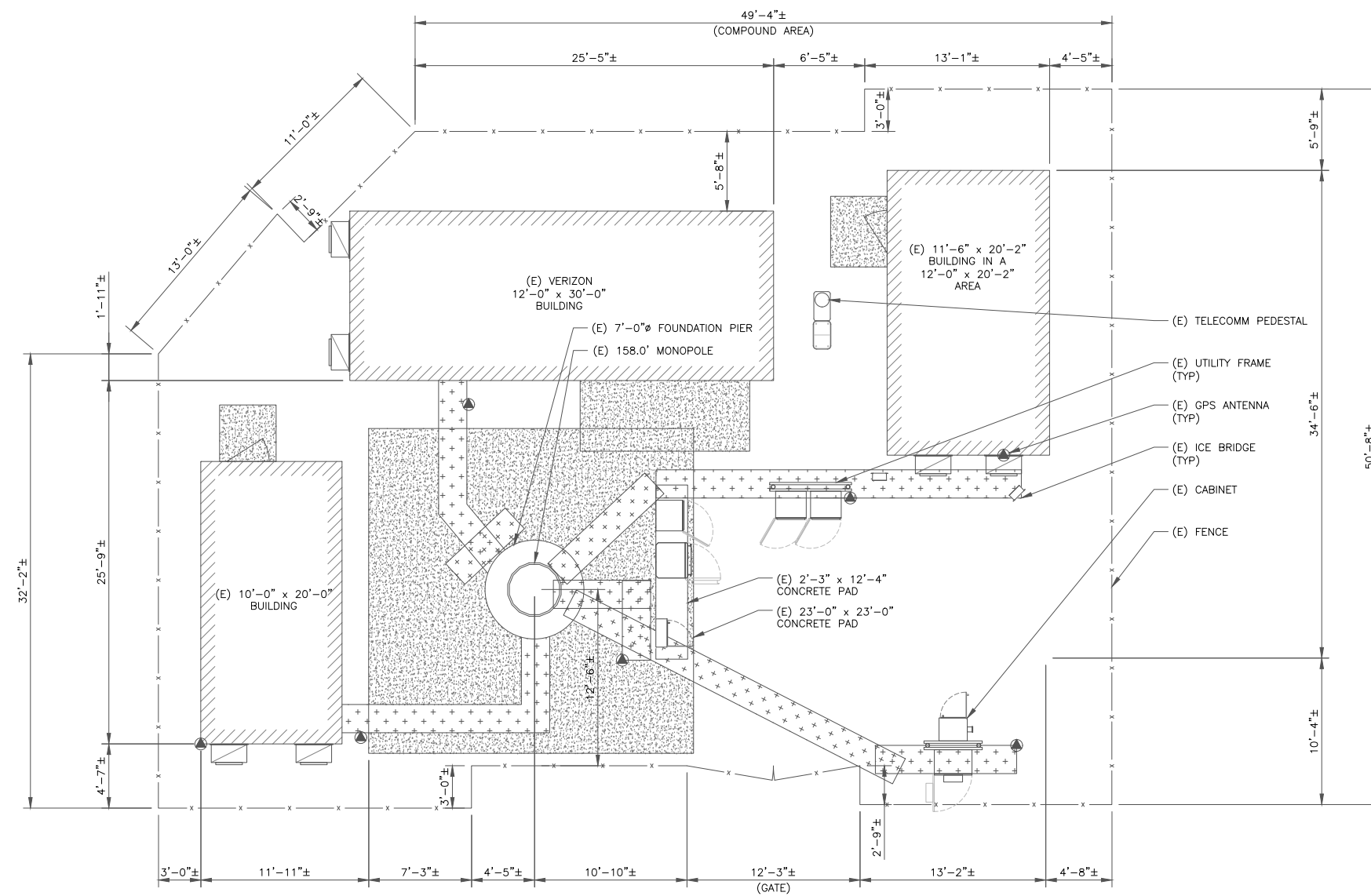


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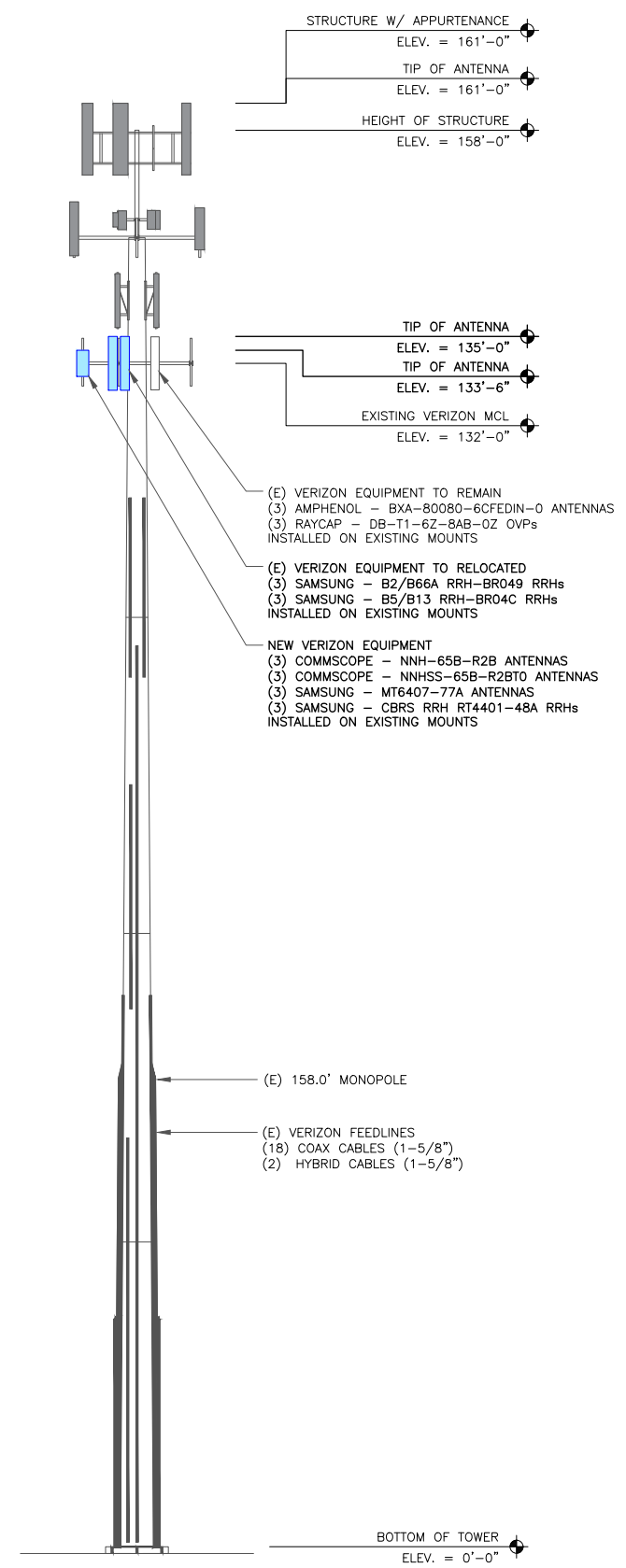
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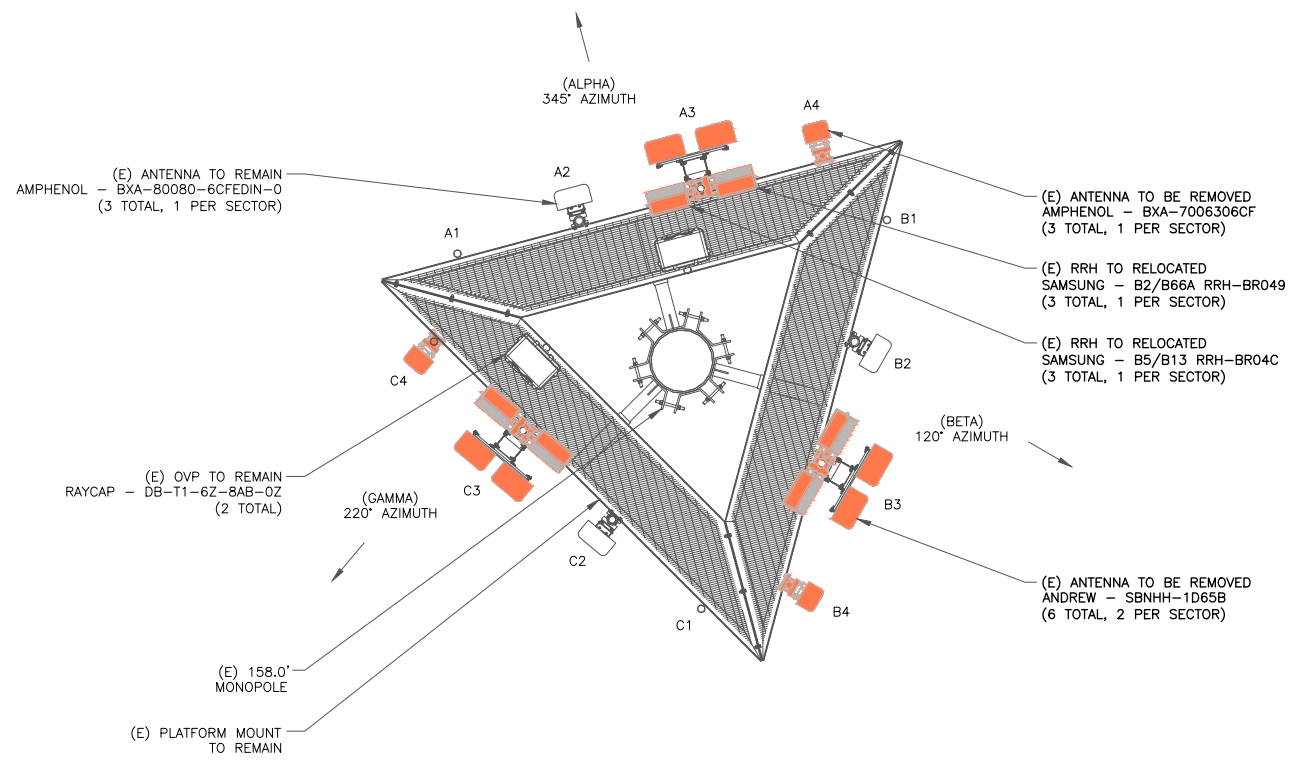


1 SITE PLAN
SCALE: 3/16"=1'-0" (FULL SIZE)
3/32"=1'-0" (11x17)

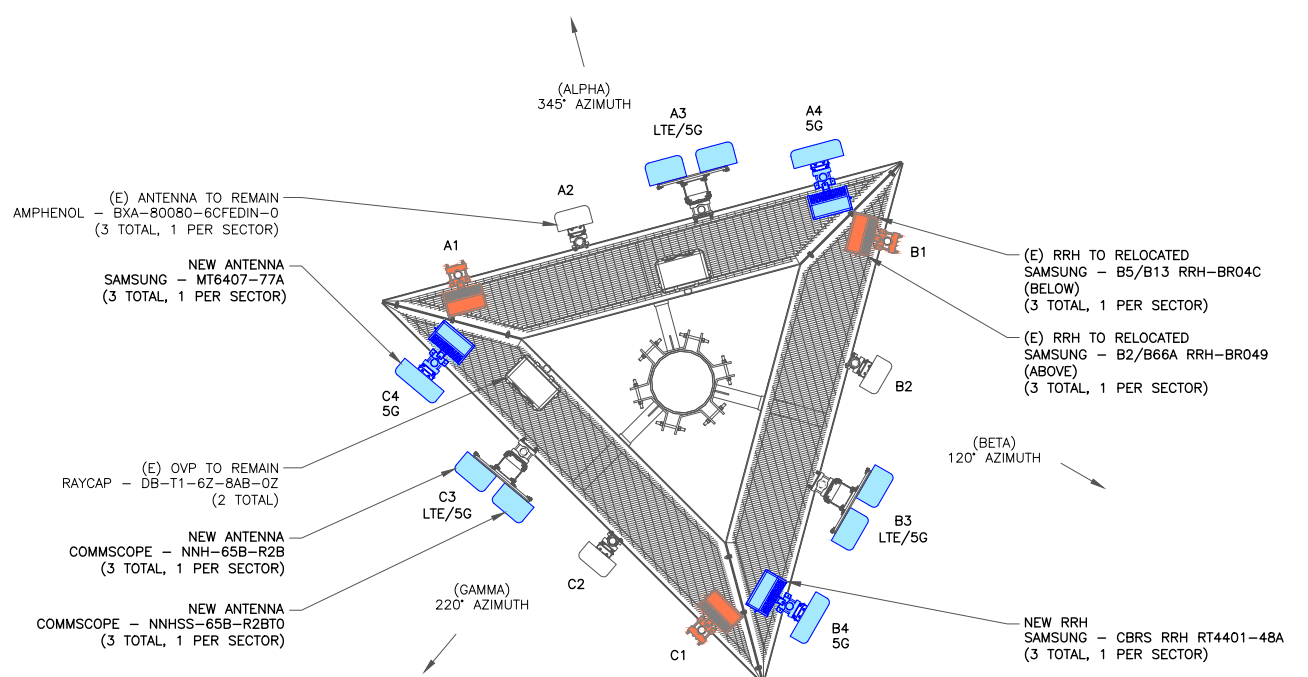




1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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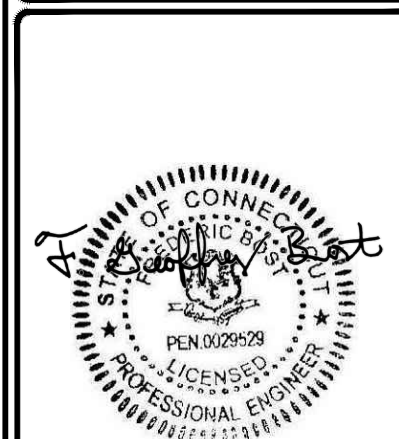
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625 SPRING STREET
 SOUTHINGTON, CT 06489

EXISTING 158.0' MONOPOLE

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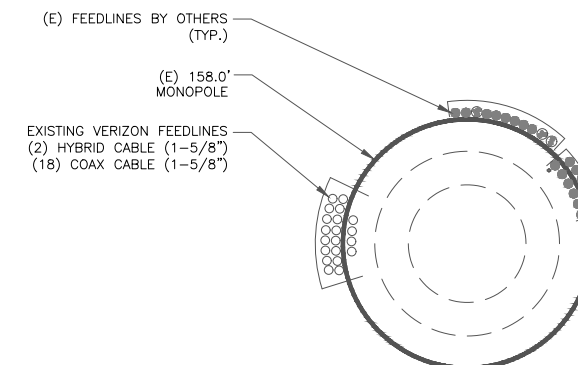
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	-	-	-	-	-	-	-	SAMSUNG	B2/B66A RRH-BR049
								SAMSUNG	B5/B13 RRH-BR04C
A2	EXISTING	AMPHENOL	BXA-80080-6CF-EDIN-X	132.0'	345°	-	-	-	-
A3	NEW	COMMSCOPE	NHH-65B-R2B	132.0'	345°	0°	9°/3'	-	-
	NEW	COMMSCOPE	NHSS-65B-R2B	132.0'	345°	0°	3'		
A4	NEW	SAMSUNG	MT6407-77A	132.0'	345°	0°	6'	SAMSUNG	CBRS RRH RT4401-48A
B1	-	-	-	-	-	-	-	SAMSUNG	B2/B66A RRH-BR049
								SAMSUNG	B5/B13 RRH-BR04C
B2	EXISTING	AMPHENOL	BXA-80080-6CF-EDIN-X	132.0'	120°	-	-	-	-
B3	NEW	COMMSCOPE	NHH-65B-R2B	132.0'	120°	0°	5°/3'	-	-
	NEW	COMMSCOPE	NHSS-65B-R2B	132.0'	120°	0°	3'		
B4	NEW	SAMSUNG	MT6407-77A	132.0'	120°	0°	6'	SAMSUNG	CBRS RRH RT4401-48A
C1	-	-	-	-	-	-	-	SAMSUNG	B2/B66A RRH-BR049
								SAMSUNG	B5/B13 RRH-BR04C
C2	EXISTING	AMPHENOL	BXA-80080-6CF-EDIN-X	132.0'	220°	-	-	-	-
C3	NEW	COMMSCOPE	NHH-65B-R2B	132.0'	220°	0°	5°/4'	-	-
	NEW	COMMSCOPE	NHSS-65B-R2B	132.0'	220°	0°	4'		
C4	NEW	SAMSUNG	MT6407-77A	132.0'	220°	0°	6'	SAMSUNG	CBRS RRH RT4401-48A

1 VERIZON TOWER EQUIPMENT SCHEDULE
 SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	183'-0"±	18
EXISTING	HYBRID	1-5/8"	183'-0"±	2
TOTAL CABLE QTY:				20



2 BASE LEVEL DETAIL
 SCALE: NOT TO SCALE



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SOLUTIONS, PLLC
3227 WELLINGTON COURT
RALEIGH, NC 27615

VERIZON SITE NUMBER:
469273

BU #: **876334**
SOUTHINGTON, SMORON

625 SPRING STREET
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EXISTING 158.0' MONOPOLE

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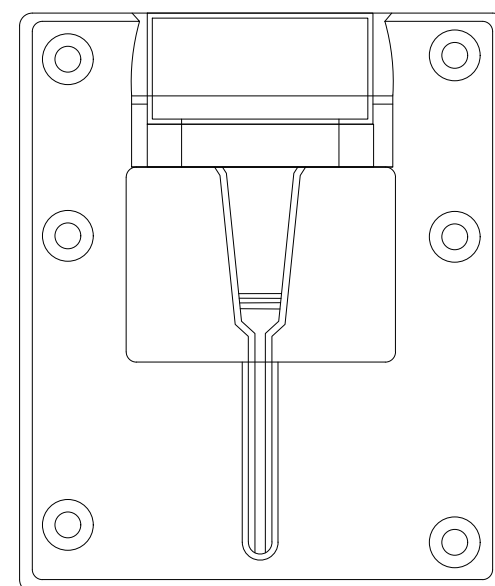


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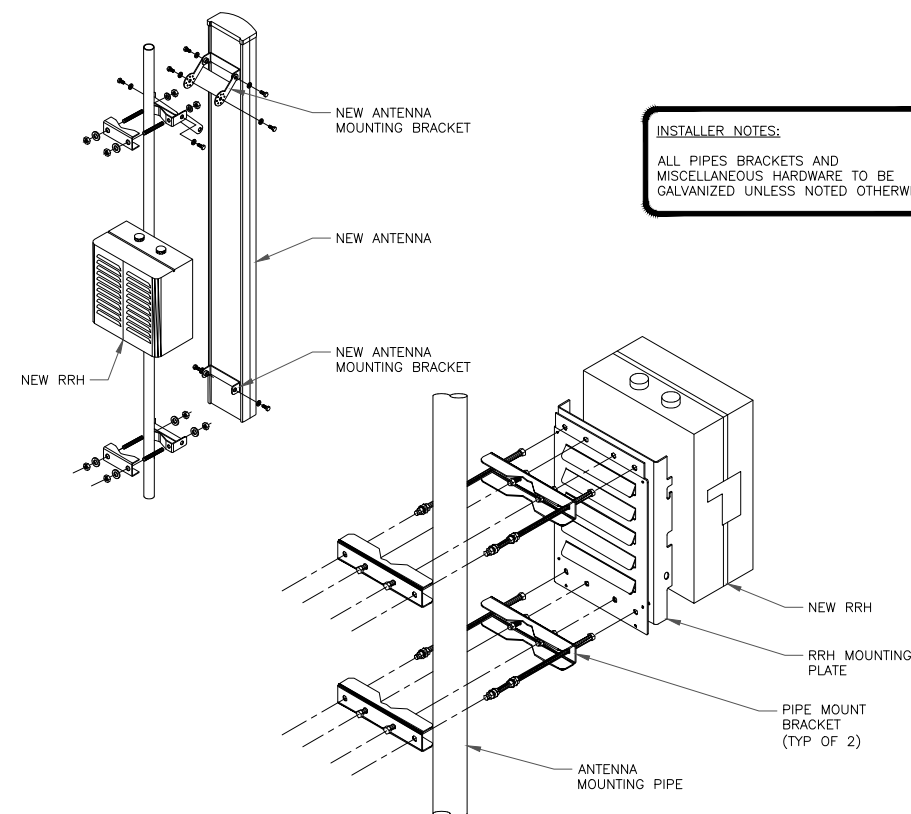
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1 NOT USED
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE

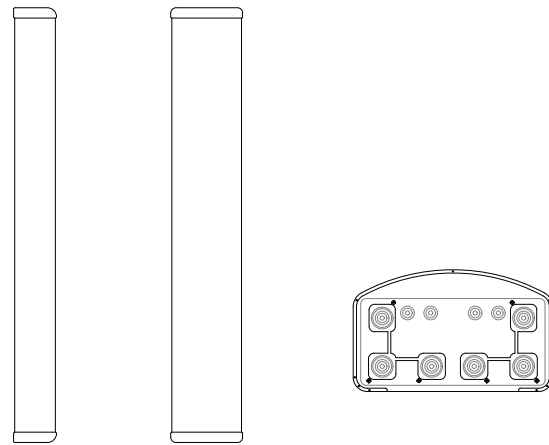


3 SAMSUNG – EP97–01585A BRACKET DETAIL
SCALE: NOT TO SCALE



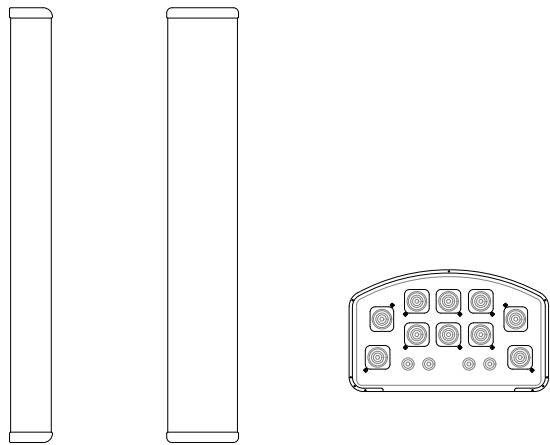
4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
72.00"	11.90"	7.10"	43.70 LBS



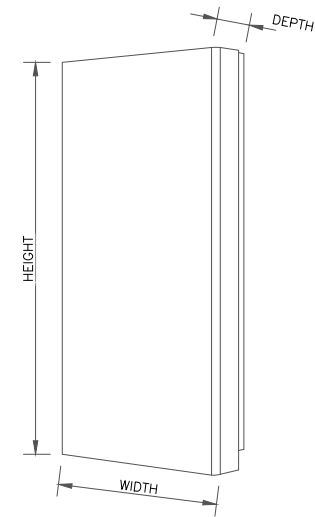
1 COMMSCOPE – NHH-65B-R2B
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
72.00"	11.90"	7.10"	65.50 LBS



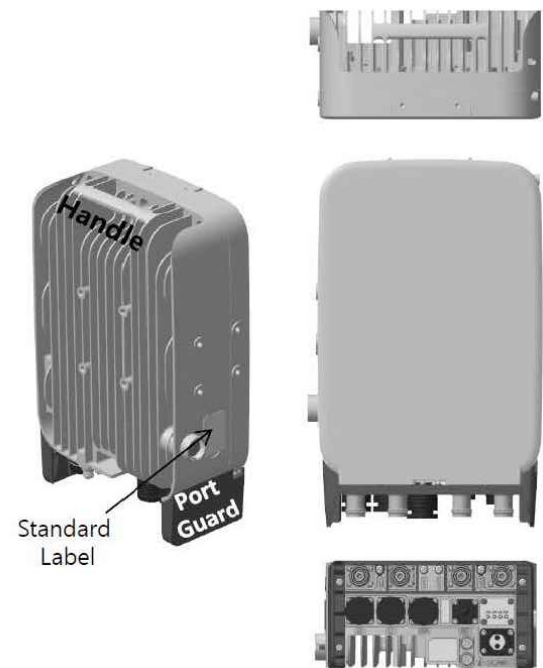
2 COMMSCOPE – NHHSS-65B-R2B
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
35.06"	16.06"	5.51"	81.57 LBS



3 SAMSUNG – MT6407-77A
SCALE: NOT TO SCALE

HEIGHT	WIDTH	DEPTH	WEIGHT
16.16"	11.39"	5.45"	49.80 LBS



4 SAMSUNG – CBRS RRH RT4401-48A
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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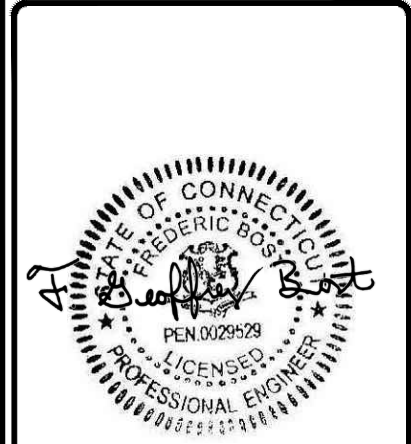
VERIZON SITE NUMBER:
469273

BU #: 876334
SOUTHINGTON, SMORON

625 SPRING STREET
SOUTHINGTON, CT 06489

EXISTING 158.0' MONOPOLE

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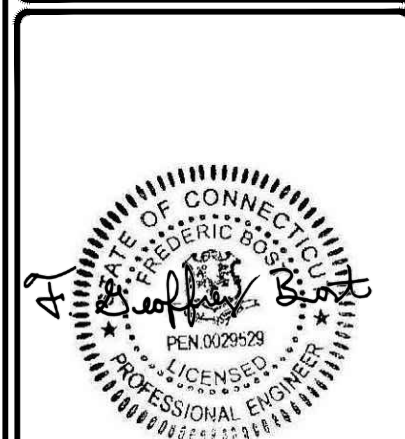
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 SOUTHTON, SMORON

625 SPRING STREET
 SOUTHTON, CT 06489

EXISTING 158.0' MONOPOLE

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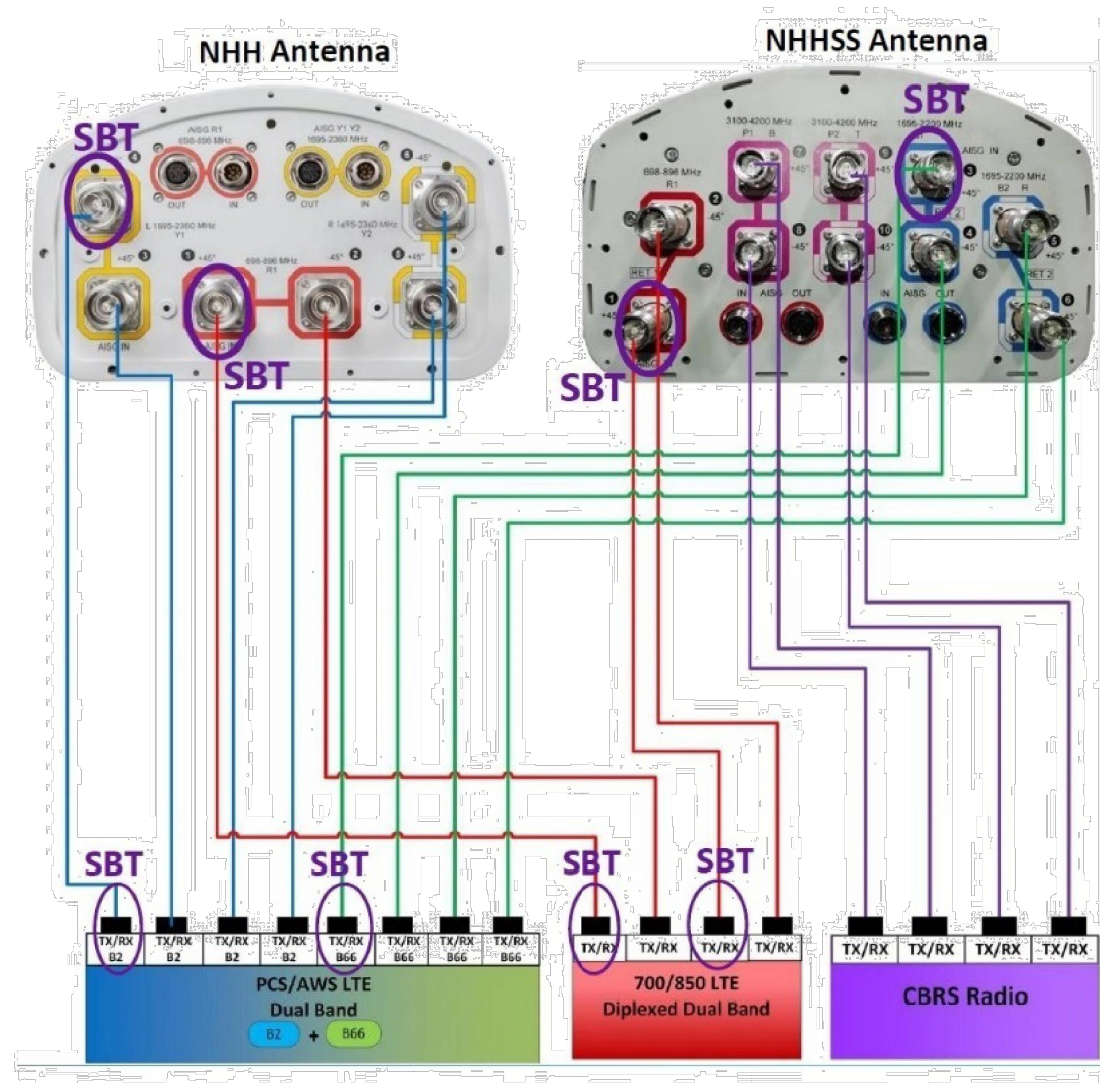
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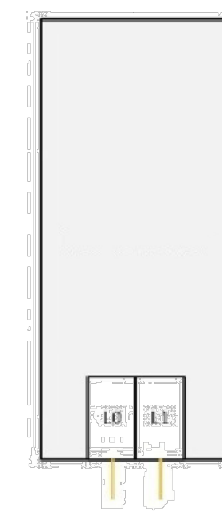
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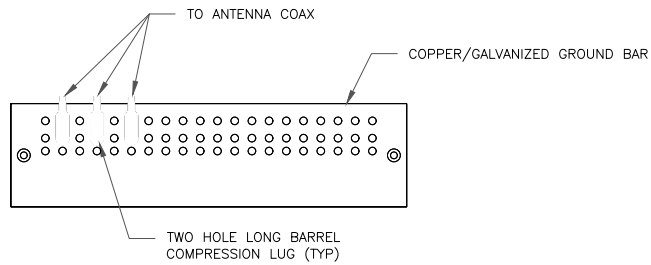
SHEET NUMBER: **C-6** REVISION: **0**



Sub 6



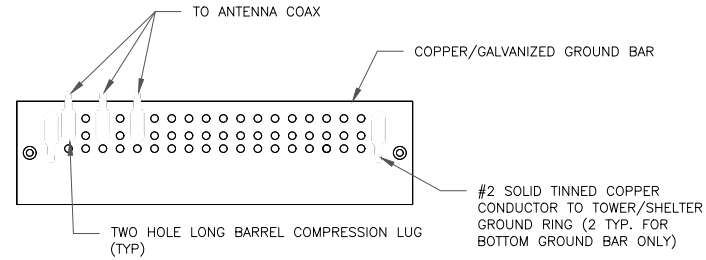
1 PLUMBING DIAGRAM
 SCALE: NOT TO SCALE



NOTES:

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

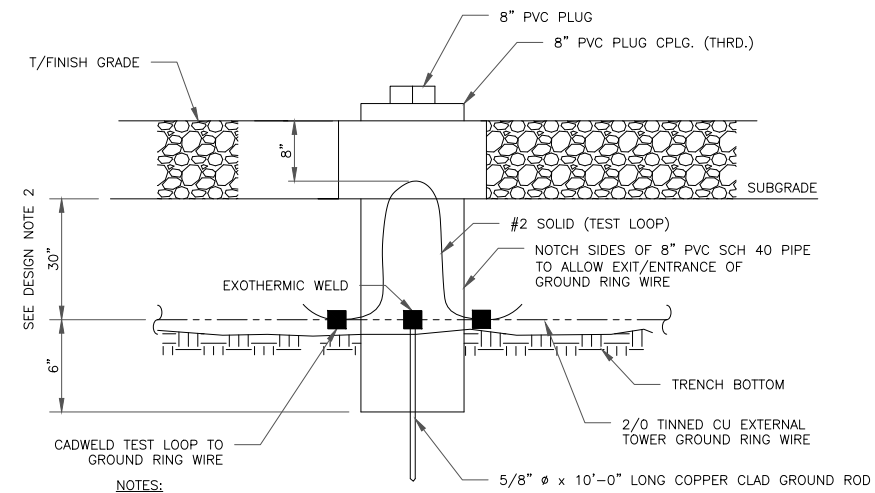
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

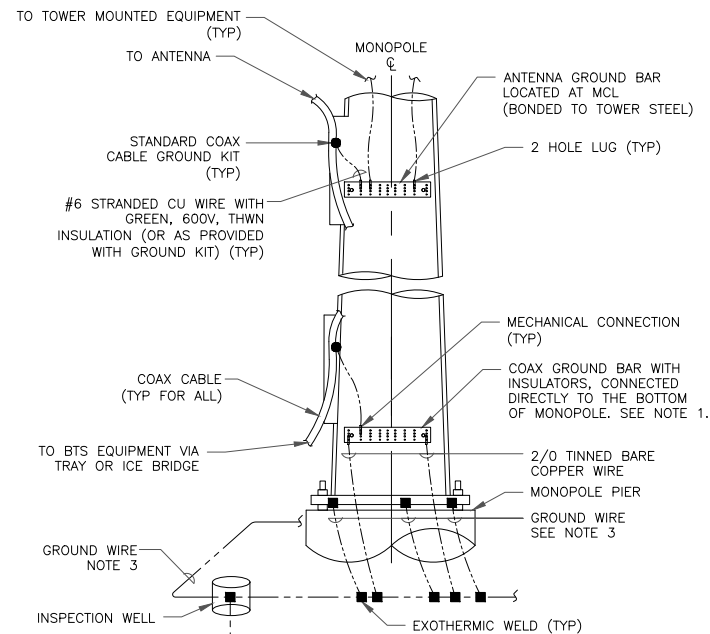
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

- GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
- 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)

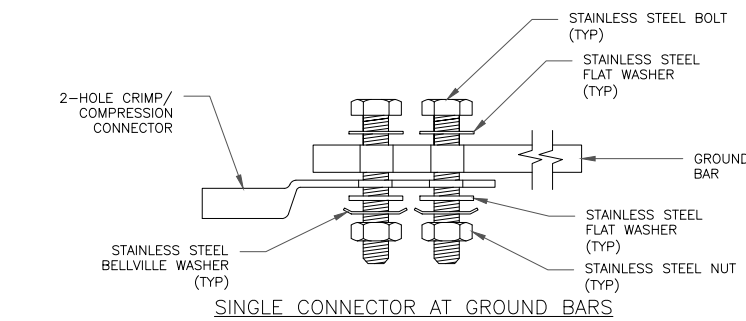
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



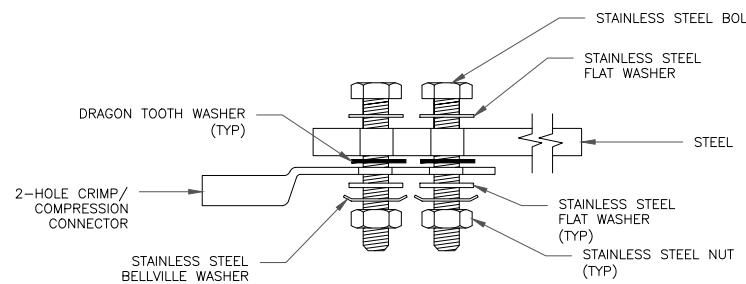
NOTES:

- 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.
- 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.
- ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE RECOGNIZED EDITION OF ANSI/TIA 222 AND NFPA 780.

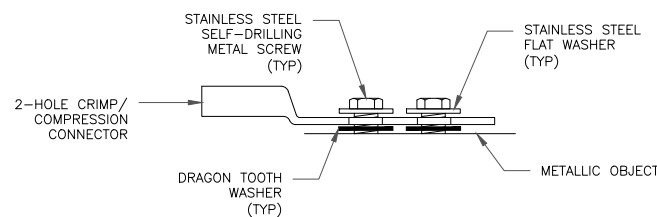
4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

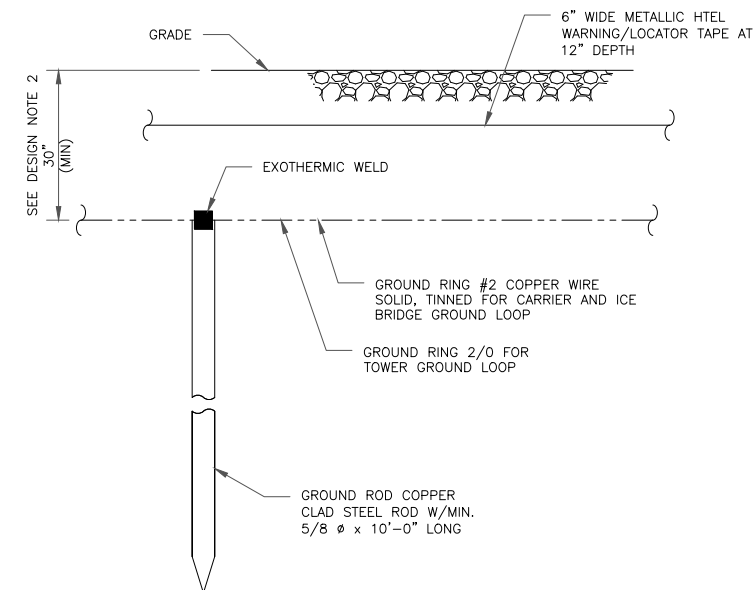


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

ETS
ENGINEERED TOWER SOLUTIONS, PLLC
3227 WELLINGTON COURT
RALEIGH, NC 27615

VERIZON SITE NUMBER:
469273

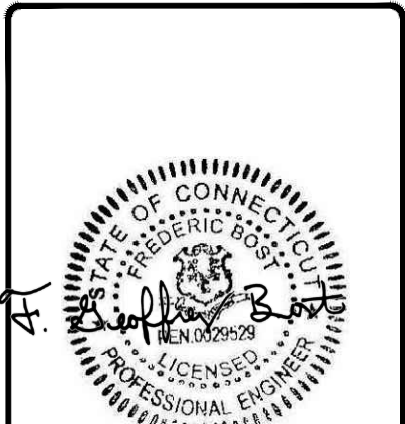
BU #: 876334
SOUTHINGTON, SMORON

625 SPRING STREET
SOUTHINGTON, CT 06489

EXISTING 158.0' MONOPOLE

ISSUED FOR:

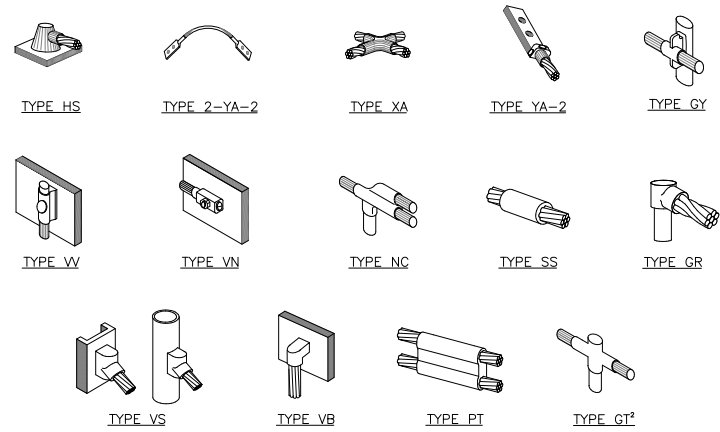
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	09/27/2021	MT	CONSTRUCTION	DG



09/27/2021

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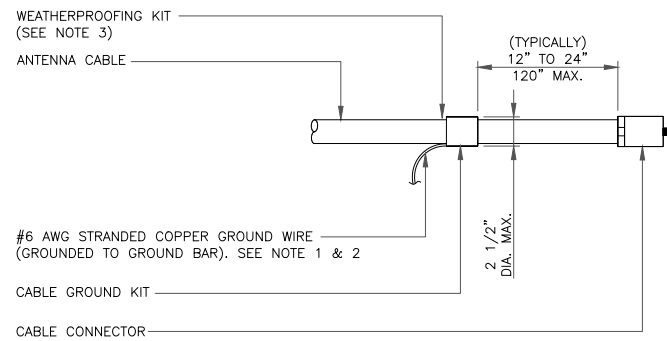
SHEET NUMBER: **G-1** REVISION: **0**



NOTE:

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

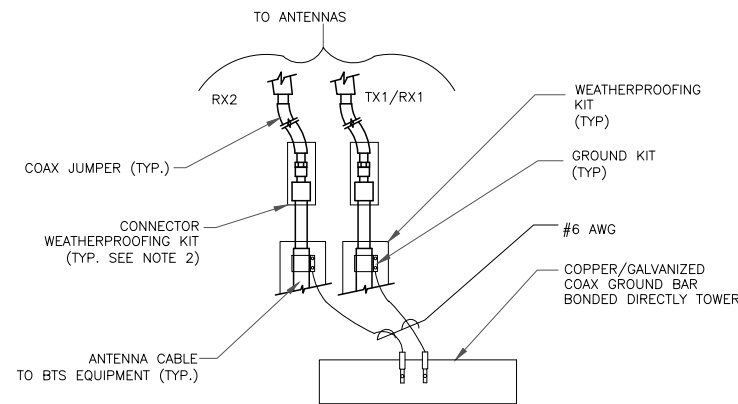
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



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.

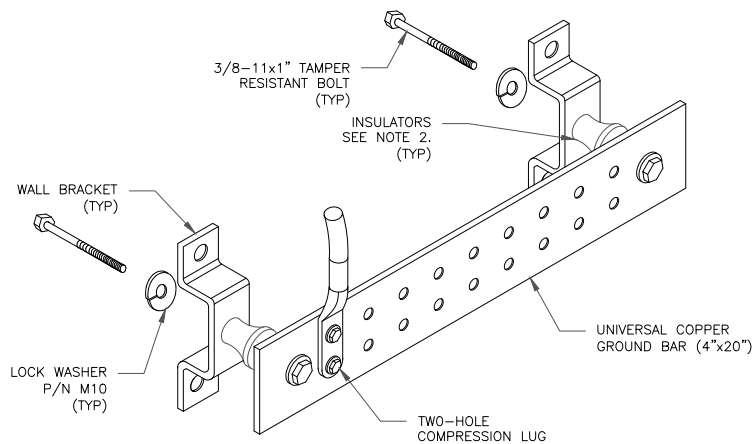
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



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.

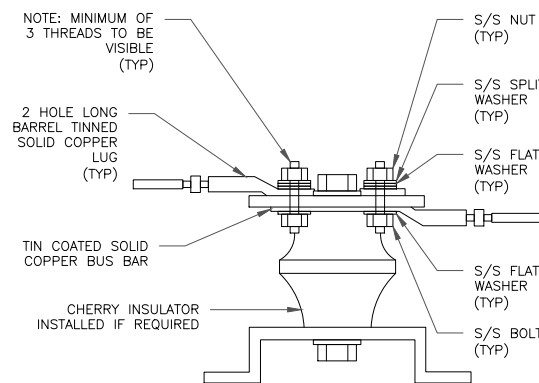
4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



NOTES:

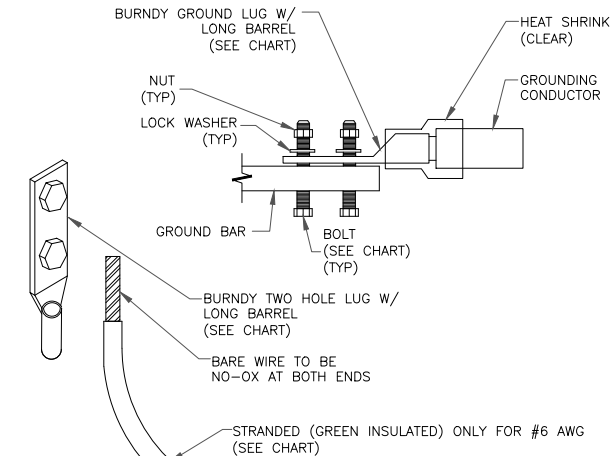
1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY GAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION. CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
2. OMIT INSULATOR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

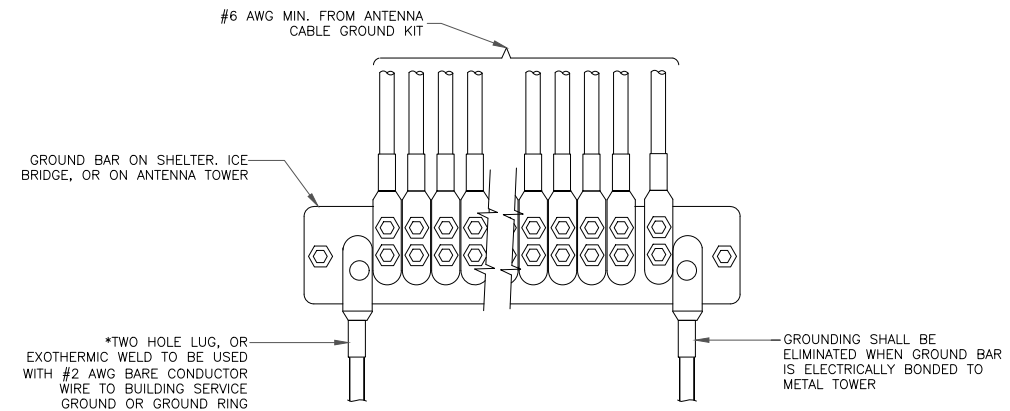
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



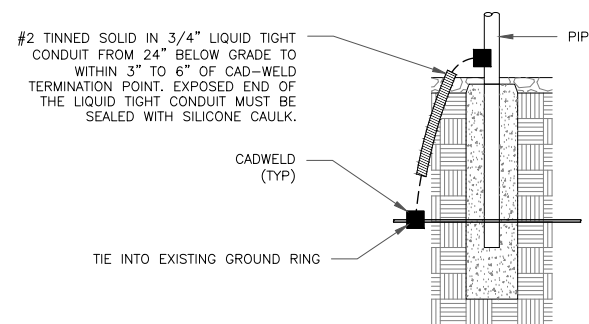
NOTES:

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



5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

ETS
ENGINEERED TOWER SOLUTIONS, PLLC
3227 WELLINGTON COURT
RALEIGH, NC 27615

VERIZON SITE NUMBER:
469273

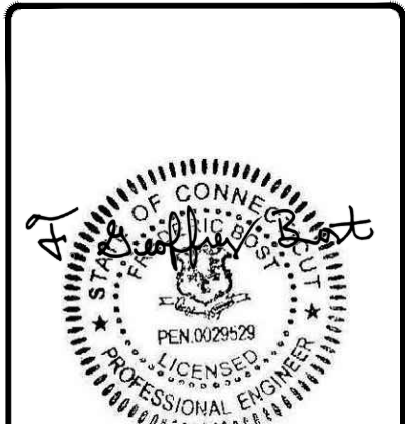
BU #: 876334
SOUTHINGTON, SMORON

625 SPRING STREET
SOUTHINGTON, CT 06489

EXISTING 158.0' MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	09/27/2021	MT	CONSTRUCTION	DG



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

Exhibit D

Structural Analysis Report



MORRISON HERSHFIELD

Morrison Hershfield
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
(770) 397-8500

Date: **August 21, 2021**

Subject: **Structural Analysis Report**

Carrier Designation: **Verizon Wireless Co-Locate**
Site Number: 469273
Site Name: Southington CT

Crown Castle Designation: **BU Number:** 876334
Site Name: Southington, Smoron
JDE Job Number: 682795
Work Order Number: 2007087
Order Number: 582736 Rev. 0

Engineering Firm Designation: **Morrison Hershfield Project Number:** CN9-393 / 2101398

Site Data: **625 Spring Street, Southington, Hartford County, CT 06489**
Latitude 41° 37' 56.9", Longitude -72° 53' 39.3"
160.333 Foot – Summit Monopole Tower

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

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

LC7: Proposed Equipment Configuration **Sufficient Capacity – 93.5%**

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

Respectfully submitted by:

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

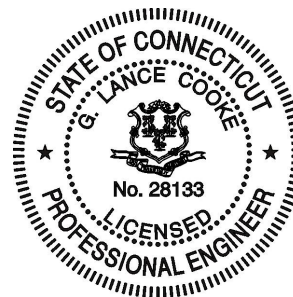


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7) APPENDIX C

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1) INTRODUCTION

This tower is a 160.333 ft Summit monopole tower mapped by FDH Engineering Innovation.

The tower has been modified multiple times in the past to accommodate additional loading. All the modifications have been considered in this analysis per their respective post modification inspection reports.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	2 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)
132.0	134.0	3	antel	BXA-80080-6CF-EDIN-X w/ Mount Pipe	20	1-5/8
	133.0	3	commscope	NHH-65B-R2B		
		3	commscope	NHHSS-65B-R2B		
		3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
		3	samsung telecommunications	RFV01U-D1A		
		3	samsung telecommunications	RFV01U-D2A		
	132.0	3	-	Side by Side Mounting Kit [#BASMNT_SBS-1-2]		
		1	-	Platform Mount [LP 1201-1_HR-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
156.0	157.0	2	andrew	SBNH-1D6565C w/ Mount Pipe	8 6 3 2	1-5/8 3/4 2C 3/8
		2	cci antennas	TPA-65R-LCUUUU-H8 w/ Mount Pipe		
		1	kathrein	80010798 w/ Mount Pipe		
		1	kathrein	80010965 w/ Mount Pipe		
		2	kathrein	80010966 w/ Mount Pipe		
		1	kmw communications	AM-X-CD-16-65-00T-RET w/ Mount Pipe		
		3	cci antennas	DTMABP7819VG12A		
		3	ericsson	RRUS 11		
		3	ericsson	RRUS 12		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
156.0	157.0	3	ericsson	RRUS 32	-	-
		3	ericsson	RRUS 32 B2		
		3	ericsson	RRUS 32 B66		
		3	ericsson	RRUS 4478 B14		
		1	raycap	DC6-48-60-0-8F		
	2	raycap	DC6-48-60-18-8F			
	156.0	1	-	Sector Mount [SM 502-3]		
146.0	147.0	3	ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe	4	1-5/8
		3	rfs/celwave	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe		
		3	rfs/celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
		3	ericsson	RADIO 4415 B66A		
		3	ericsson	RADIO 4424 B25_TMO		
	3	ericsson	RADIO 4449 B71 B85A_T-MOBILE			
	146.0	1	-	Platform Mount [LP 1201-1_HR-1]		
139.0	139.0	3	rfs/celwave	APXV18-206517S-C	6	1-5/8
		1	-	Pipe Mount [PM 601-3]		
114.0	114.0	3	jma wireless	MX08FRO665-21 w/ Mount Pipe	1	1-1/2
		3	fujitsu	TA08025-B604		
		3	fujitsu	TA08025-B605		
		1	raycap	RDIDC-9181-PF-48		
		1	tower mounts	Commscope MC-PK8-DSH		
101.0	102.0	1	symmetricom	58532A	1	1/2
	101.0	1	-	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	1530919	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	1999756	CCISITES
4-TOWER MANUFACTURER DRAWINGS	1614569	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	2588177	CCISITES
4-POST-MODIFICATION INSPECTION	2588175	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3363885	CCISITES
4-POST-MODIFICATION INSPECTION	3794196	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	5288062	CCISITES
4-POST-MODIFICATION INSPECTION	5570676	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	5755362	CCISITES
4-POST-MODIFICATION INSPECTION	5888770	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	6249238	CCISITES

Document	Reference	Source
4-POST-MODIFICATION INSPECTION	6544953	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	6962729	CCISITES
4-POST-MODIFICATION INSPECTION	7104038	CCISITES

3.1) Analysis Method

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

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

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
L1	160.333 - 155.333	Pole	TP16x16x0.375	Pole	5.3	Pass
L2	155.333 - 150.333	Pole	TP16x16x0.375	Pole	21.0	Pass
L3	150.333 - 146.833	Pole	TP16x16x0.375	Pole	32.7	Pass
L4	146.833 - 146.333	Pole	TP22x22x0.375	Pole	18.2	Pass
L5	146.333 - 141.333	Pole	TP22.924x22x0.25	Pole	27.9	Pass
L6	141.333 - 136.333	Pole	TP23.848x22.924x0.25	Pole	38.5	Pass
L7	136.333 - 131.333	Pole	TP24.772x23.848x0.25	Pole	50.1	Pass
L8	131.333 - 126.333	Pole	TP25.696x24.772x0.25	Pole	62.9	Pass
L9	126.333 - 121.333	Pole	TP26.62x25.696x0.25	Pole	74.9	Pass
L10	121.333 - 120.083	Pole	TP26.851x26.62x0.25	Pole	77.7	Pass
L11	120.083 - 119.833	Pole + Reinf.	TP26.897x26.851x0.4875	Reinf. 18 Tension Rupture	54.0	Pass
L12	119.833 - 117.5	Pole + Reinf.	TP27.328x26.897x0.4875	Reinf. 18 Tension Rupture	57.7	Pass
L13	117.5 - 117.25	Pole + Reinf.	TP27.375x27.328x0.5	Reinf. 19 Tension Rupture	53.8	Pass
L14	117.25 - 115.5	Pole + Reinf.	TP27.698x27.375x0.5	Reinf. 19 Tension Rupture	56.3	Pass
L15	115.5 - 115.25	Pole + Reinf.	TP27.744x27.698x0.6625	Reinf. 11 Tension Rupture	49.7	Pass
L16	115.25 - 110.25	Pole + Reinf.	TP28.668x27.744x0.65	Reinf. 11 Tension Rupture	56.9	Pass
L17	110.25 - 104.083	Pole + Reinf.	TP29.808x28.668x0.6375	Reinf. 11 Tension Rupture	60.4	Pass
L18	104.083 - 102.82	Pole + Reinf.	TP29.541x28.617x0.7	Reinf. 11 Tension Rupture	62.6	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
L19	102.82 - 100.5	Pole + Reinf.	TP29.969x29.541x0.6875	Reinf. 11 Tension Rupture	65.4	Pass
L20	100.5 - 100.25	Pole + Reinf.	TP30.015x29.969x0.6375	Reinf. 18 Tension Rupture	66.9	Pass
L21	100.25 - 98.5	Pole + Reinf.	TP30.338x30.015x0.625	Reinf. 18 Tension Rupture	68.9	Pass
L22	98.5 - 98.25	Pole + Reinf.	TP30.385x30.338x0.6625	Reinf. 10 Tension Rupture	65.9	Pass
L23	98.25 - 93.25	Pole + Reinf.	TP31.308x30.385x0.65	Reinf. 10 Tension Rupture	71.2	Pass
L24	93.25 - 90.5	Pole + Reinf.	TP31.816x31.308x0.6375	Reinf. 10 Tension Rupture	74.0	Pass
L25	90.5 - 90.25	Pole + Reinf.	TP31.862x31.816x0.6875	Reinf. 10 Tension Rupture	73.0	Pass
L26	90.25 - 85.25	Pole + Reinf.	TP32.785x31.862x0.675	Reinf. 10 Tension Rupture	77.8	Pass
L27	85.25 - 83.5	Pole + Reinf.	TP33.108x32.785x0.6625	Reinf. 10 Tension Rupture	79.4	Pass
L28	83.5 - 83.25	Pole + Reinf.	TP33.154x33.108x0.9125	Reinf. 22 Tension Rupture	60.2	Pass
L29	83.25 - 80.75	Pole + Reinf.	TP33.616x33.154x0.8875	Reinf. 22 Tension Rupture	62.0	Pass
L30	80.75 - 80.5	Pole + Reinf.	TP33.662x33.616x1.0625	Reinf. 22 Tension Rupture	51.0	Pass
L31	80.5 - 80.25	Pole + Reinf.	TP33.708x33.662x0.975	Reinf. 8 Tension Rupture	54.9	Pass
L32	80.25 - 77.5	Pole + Reinf.	TP34.216x33.708x0.9625	Reinf. 8 Tension Rupture	56.7	Pass
L33	77.5 - 77.25	Pole + Reinf.	TP34.262x34.216x0.6875	Reinf. 8 Tension Rupture	79.3	Pass
L34	77.25 - 68.82	Pole + Reinf.	TP35.819x34.262x0.6875	Reinf. 8 Tension Rupture	82.6	Pass
L35	68.82 - 68.291	Pole + Reinf.	TP35.291x34.368x0.75	Reinf. 8 Tension Rupture	81.0	Pass
L36	68.291 - 64.25	Pole + Reinf.	TP36.037x35.291x0.7375	Reinf. 8 Tension Rupture	83.8	Pass
L37	64.25 - 64	Pole + Reinf.	TP36.084x36.037x0.875	Reinf. 21 Tension Rupture	73.9	Pass
L38	64 - 60.5	Pole + Reinf.	TP36.73x36.084x0.8625	Reinf. 21 Tension Rupture	76.1	Pass
L39	60.5 - 60.25	Pole + Reinf.	TP36.776x36.73x0.925	Reinf. 21 Tension Rupture	71.8	Pass
L40	60.25 - 60.083	Pole + Reinf.	TP36.807x36.776x0.925	Reinf. 21 Tension Rupture	71.9	Pass
L41	60.083 - 59.833	Pole + Reinf.	TP36.853x36.807x0.975	Reinf. 21 Tension Rupture	69.6	Pass
L42	59.833 - 59.083	Pole + Reinf.	TP36.991x36.853x0.975	Reinf. 21 Tension Rupture	70.0	Pass
L43	59.083 - 58.833	Pole + Reinf.	TP37.037x36.991x1.05	Reinf. 21 Tension Rupture	63.8	Pass
L44	58.833 - 55.4167	Pole + Reinf.	TP37.668x37.037x1.025	Reinf. 21 Tension Rupture	65.5	Pass
L45	55.4167 - 55.1667	Pole + Reinf.	TP37.714x37.668x1.025	Reinf. 21 Tension Rupture	65.6	Pass
L46	55.1667 - 54.75	Pole + Reinf.	TP37.791x37.714x1.025	Reinf. 21 Tension Rupture	65.8	Pass
L47	54.75 - 54.5	Pole + Reinf.	TP37.837x37.791x0.825	Reinf. 7 Tension Rupture	79.9	Pass
L48	54.5 - 49.5	Pole + Reinf.	TP38.76x37.837x0.8125	Reinf. 7 Tension Rupture	82.6	Pass
L49	49.5 - 44.5	Pole + Reinf.	TP39.683x38.76x0.8	Reinf. 7 Tension Rupture	85.2	Pass
L50	44.5 - 41.25	Pole + Reinf.	TP40.283x39.683x0.7875	Reinf. 7 Tension Rupture	86.8	Pass
L51	41.25 - 41	Pole + Reinf.	TP40.329x40.283x0.875	Reinf. 7 Tension Rupture	76.2	Pass
L52	41 - 34.291	Pole + Reinf.	TP41.568x40.329x0.875	Reinf. 7 Tension Rupture	77.1	Pass
L53	34.291 - 33.291	Pole + Reinf.	TP40.996x39.949x1.175	Reinf. 7 Tension Rupture	60.3	Pass
L54	33.291 - 31.5	Pole + Reinf.	TP41.324x40.996x1.175	Reinf. 7 Tension Rupture	60.9	Pass
L55	31.5 - 31.25	Pole + Reinf.	TP41.37x41.324x1.175	Reinf. 7 Tension Rupture	60.6	Pass
L56	31.25 - 30.5	Pole + Reinf.	TP41.507x41.37x1.175	Reinf. 7 Tension Rupture	60.9	Pass
L57	30.5 - 30.25	Pole + Reinf.	TP41.553x41.507x1.125	Reinf. 6 Tension Rupture	63.9	Pass
L58	30.25 - 25.75	Pole + Reinf.	TP42.378x41.553x1.1	Reinf. 6 Tension Rupture	65.5	Pass
L59	25.75 - 25.5	Pole + Reinf.	TP42.424x42.378x1.025	Reinf. 6 Tension Rupture	71.7	Pass
L60	25.5 - 24.6667	Pole + Reinf.	TP42.577x42.424x1.025	Reinf. 6 Tension Rupture	72.0	Pass
L61	24.6667 - 24.4167	Pole + Reinf.	TP42.623x42.577x0.925	Reinf. 6 Tension Rupture	79.2	Pass
L62	24.4167 - 24	Pole + Reinf.	TP42.699x42.623x0.9125	Reinf. 6 Tension Rupture	79.4	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
L63	24 - 23.75	Pole + Reinf.	TP42.745x42.699x1.025	Reinf. 6 Tension Rupture	75.1	Pass
L64	23.75 - 18.75	Pole + Reinf.	TP43.662x42.745x1	Reinf. 6 Tension Rupture	77.0	Pass
L65	18.75 - 14.083	Pole + Reinf.	TP44.518x43.662x0.9875	Reinf. 6 Tension Rupture	78.8	Pass
L66	14.083 - 13.817	Pole + Reinf.	TP44.566x44.518x0.9625	Reinf. 1 Tension Rupture	77.0	Pass
L67	13.817 - 13.667	Pole + Reinf.	TP44.594x44.566x0.9625	Reinf. 1 Tension Rupture	77.0	Pass
L68	13.667 - 10.5	Pole + Reinf.	TP45.175x44.594x0.95	Reinf. 1 Tension Rupture	78.1	Pass
L69	10.5 - 10.25	Pole + Reinf.	TP45.22x45.175x0.9	Reinf. 13 Tension Rupture	80.7	Pass
L70	10.25 - 5.25	Pole + Reinf.	TP46.137x45.22x0.875	Reinf. 13 Tension Rupture	82.4	Pass
L71	5.25 - 2.9	Pole + Reinf.	TP46.568x46.137x0.75	Reinf. 23 Compression	93.4	Pass
L72	2.9 - 2.65	Pole + Reinf.	TP46.614x46.568x0.75	Reinf. 23 Compression	93.5	Pass
L73	2.65 - 2.5	Pole + Reinf.	TP46.642x46.614x0.75	Reinf. 23 Compression	93.5	Pass
L74	2.5 - 2.25	Pole + Reinf.	TP46.687x46.642x0.875	Reinf. 23 Compression	79.9	Pass
L75	2.25 - 1.917	Pole + Reinf.	TP46.748x46.687x0.875	Reinf. 23 Compression	80.0	Pass
L76	1.917 - 1.667	Pole + Reinf.	TP46.794x46.748x0.775	Reinf. 23 Compression	85.9	Pass
L77	1.667 - 0	Pole + Reinf.	TP47.1x46.794x0.7625	Reinf. 23 Compression	86.4	Pass
					Summary	
				Pole	81.0	Pass
				Reinforcement	93.5	Pass
				Overall	93.5	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	70.7	Pass
1	Base Plate		63.8	Pass
1	Base Foundation (Structure)	0	63.0	Pass
1	Base Foundation (Soil Interaction)		90.6	Pass

Structure Rating (max from all components) =	93.5%*
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Notes:

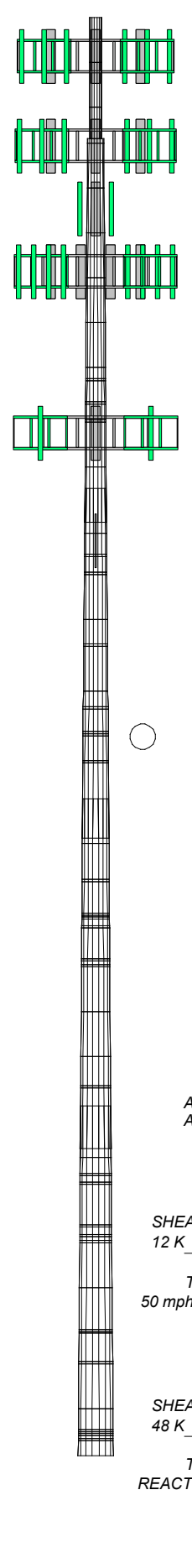
- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.
- 2) *Rating per TIA-222-H, Section 15.5.

4.1) Recommendations

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

APPENDIX A
TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	5.00	0	0.3750	3.74	160.3	155.3	A53-B-35	0.3
2	5.00	0	0.3750	3.74	150.3	146.8	A53-B-35	0.3
3	5.00	0	0.3750	3.74	141.3	136.3	A53-B-35	0.3
4	5.00	0	0.3750	3.74	131.3	126.3	A53-B-35	0.3
5	5.00	0	0.3750	3.74	121.3	117.5	A53-B-35	0.3
6	5.00	0	0.3750	3.74	115.5	110.3	A53-B-35	0.3
7	5.00	0	0.3750	3.74	104.1	100.5	A53-B-35	0.3
8	5.00	0	0.3750	3.74	98.5	93.3	A53-B-35	0.3
9	5.00	0	0.3750	3.74	90.5	85.3	A53-B-35	0.3
10	5.00	0	0.3750	3.74	83.5	80.8	A53-B-35	0.3
11	5.00	0	0.3750	3.74	77.5	77.5	A53-B-35	0.3
12	5.00	0	0.3750	3.74	68.8	68.8	A53-B-35	0.3
13	5.00	0	0.3750	3.74	64.3	64.3	A53-B-35	0.3
14	5.00	0	0.3750	3.74	60.5	60.5	A53-B-35	0.3
15	5.00	0	0.3750	3.74	58.8	58.8	A53-B-35	0.3
16	5.00	0	0.3750	3.74	55.4	55.4	A53-B-35	0.3
17	5.00	0	0.3750	3.74	49.5	49.5	A53-B-35	0.3
18	5.00	0	0.3750	3.74	44.5	44.5	A53-B-35	0.3
19	5.00	0	0.3750	3.74	41.3	41.3	A53-B-35	0.3
20	5.00	0	0.3750	3.74	34.3	34.3	A53-B-35	0.3
21	5.00	0	0.3750	3.74	31.5	31.5	A53-B-35	0.3
22	5.00	0	0.3750	3.74	25.8	25.8	A53-B-35	0.3
23	5.00	0	0.3750	3.74	24.0	24.0	A53-B-35	0.3
24	5.00	0	0.3750	3.74	18.8	18.8	A53-B-35	0.3
25	5.00	0	0.3750	3.74	14.1	14.1	A53-B-35	0.3
26	5.00	0	0.3750	3.74	10.5	10.5	A53-B-35	0.3
27	5.00	0	0.3750	3.74	5.3	5.3	A53-B-35	0.3
28	5.00	0	0.3750	3.74	2.9	2.9	A53-B-35	0.3
29	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
30	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
31	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
32	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
33	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
34	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
35	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
36	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
37	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
38	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
39	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
40	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
41	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
42	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
43	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
44	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
45	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
46	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
47	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
48	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
49	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
50	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
51	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
52	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
53	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
54	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
55	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
56	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
57	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
58	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
59	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
60	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
61	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
62	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
63	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
64	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
65	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
66	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
67	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
68	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
69	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
70	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
71	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
72	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
73	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
74	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
75	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
76	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
77	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
78	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
79	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
80	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
81	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
82	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
83	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
84	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
85	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
86	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
87	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
88	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
89	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
90	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
91	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
92	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
93	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
94	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
95	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
96	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
97	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
98	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
99	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3
100	5.00	0	0.3750	3.74	0.0	0.0	A53-B-35	0.3

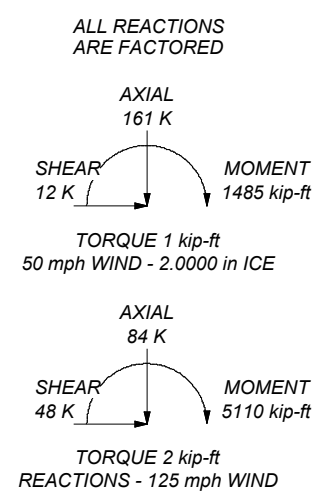


MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A53-B-35	35 ksi	63 ksi	A607-65	65 ksi	80 ksi
A607-60	60 ksi	75 ksi			

TOWER DESIGN NOTES

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for Exposure C 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 2.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. CCIPOLE RATING: 93.5%



Morrison Hershfield
 1455 Lincoln Parkway, Suite 500
 Atlanta, GA 30346
 Phone: (770) 397-8500
 FAX: (770) 397-8501

Job: **CN9-393 / 2101398**
 Project: **876334 / Southington, Smoron**

Client: Crown Castle USA	Drawn by: NN	App'd:
Code: TIA-222-H	Date: 08/21/21	Scale: NTS
Path:		Dwg No. E-1

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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 Hartford County, Connecticut.
- Tower base elevation above sea level: 296.00 ft.
- Basic wind speed of 125 mph.
- Risk Category II.
- Exposure Category C.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 2.0000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

- | | | |
|--|---|--|
| <ul style="list-style-type: none"> Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification √ Use Code Stress Ratios √ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile
 Include Bolts In Member Capacity
 Leg Bolts Are At Top Of Section Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) SR Members Have Cut Ends SR Members Are Concentric | <ul style="list-style-type: none"> Distribute Leg Loads As Uniform Assume Legs Pinned √ Assume Rigid Index Plate √ Use Clear Spans For Wind Area Use Clear Spans For KL/r Retension Guys To Initial Tension √ Bypass Mast Stability Checks √ Use Azimuth Dish Coefficients √ Project Wind Area of Appurt.
 Autocalc Torque Arm Areas
 Add IBC .6D+W Combination Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs | <ul style="list-style-type: none"> Use ASCE 10 X-Brace Ly Rules Calculate Redundant Bracing Forces Ignore Redundant Members in FEA SR Leg Bolts Resist Compression All Leg Panels Have Same Allowable Offset Girt At Foundation √ Consider Feed Line Torque Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption
 <li style="text-align: center;">Poles √ Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known |
|--|---|--|

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	160.33-155.33	5.00	0.00	Round	16.0000	16.0000	0.3750		A53-B-35 (35 ksi)
L2	155.33-150.33	5.00	0.00	Round	16.0000	16.0000	0.3750		A53-B-35

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
L3	150.33-146.83	3.50	0.00	Round	16.0000	16.0000	0.3750		(35 ksi) A53-B-35
L4	146.83-146.33	0.50	0.00	Round	22.0000	22.0000	0.3750		(35 ksi) A53-B-35
L5	146.33-141.33	5.00	0.00	12	22.0000	22.9240	0.2500	1.0000	(35 ksi) A607-60
L6	141.33-136.33	5.00	0.00	12	22.9240	23.8480	0.2500	1.0000	(60 ksi) A607-60
L7	136.33-131.33	5.00	0.00	12	23.8480	24.7721	0.2500	1.0000	(60 ksi) A607-60
L8	131.33-126.33	5.00	0.00	12	24.7721	25.6961	0.2500	1.0000	(60 ksi) A607-60
L9	126.33-121.33	5.00	0.00	12	25.6961	26.6201	0.2500	1.0000	(60 ksi) A607-60
L10	121.33-120.08	1.25	0.00	12	26.6201	26.8511	0.2500	1.0000	(60 ksi) A607-60
L11	120.08-119.83	0.25	0.00	12	26.8511	26.8973	0.4875	1.9500	(60 ksi) A607-60
L12	119.83-117.50	2.33	0.00	12	26.8973	27.3285	0.4875	1.9500	(60 ksi) A607-60
L13	117.50-117.25	0.25	0.00	12	27.3285	27.3747	0.5000	2.0000	(60 ksi) A607-60
L14	117.25-115.50	1.75	0.00	12	27.3747	27.6981	0.5000	2.0000	(60 ksi) A607-60
L15	115.50-115.25	0.25	0.00	12	27.6981	27.7443	0.6625	2.6500	(60 ksi) A607-60
L16	115.25-110.25	5.00	0.00	12	27.7443	28.6683	0.6500	2.6000	(60 ksi) A607-60
L17	110.25-104.08	6.17	3.74	12	28.6683	29.8080	0.6375	2.5500	(60 ksi) A607-60
L18	104.08-102.82	5.00	0.00	12	28.6174	29.5407	0.7000	2.8000	(60 ksi) A607-60
L19	102.82-100.50	2.32	0.00	12	29.5407	29.9691	0.6875	2.7500	(60 ksi) A607-60
L20	100.50-100.25	0.25	0.00	12	29.9691	30.0152	0.6375	2.5500	(60 ksi) A607-60
L21	100.25-98.50	1.75	0.00	12	30.0152	30.3384	0.6250	2.5000	(60 ksi) A607-60
L22	98.50-98.25	0.25	0.00	12	30.3384	30.3846	0.6625	2.6500	(60 ksi) A607-60
L23	98.25-93.25	5.00	0.00	12	30.3846	31.3078	0.6500	2.6000	(60 ksi) A607-60
L24	93.25-90.50	2.75	0.00	12	31.3078	31.8156	0.6375	2.5500	(60 ksi) A607-60
L25	90.50-90.25	0.25	0.00	12	31.8156	31.8618	0.6875	2.7500	(60 ksi) A607-60
L26	90.25-85.25	5.00	0.00	12	31.8618	32.7851	0.6750	2.7000	(60 ksi) A607-60
L27	85.25-83.50	1.75	0.00	12	32.7851	33.1082	0.6625	2.6500	(60 ksi) A607-60
L28	83.50-83.25	0.25	0.00	12	33.1082	33.1544	0.9125	3.6500	(60 ksi) A607-60
L29	83.25-80.75	2.50	0.00	12	33.1544	33.6160	0.8875	3.5500	(60 ksi) A607-60
L30	80.75-80.50	0.25	0.00	12	33.6160	33.6622	1.0625	4.2500	(60 ksi) A607-60
L31	80.50-80.25	0.25	0.00	12	33.6622	33.7084	0.9750	3.9000	(60 ksi) A607-60
L32	80.25-77.50	2.75	0.00	12	33.7084	34.2162	0.9625	3.8500	(60 ksi) A607-60
L33	77.50-77.25	0.25	0.00	12	34.2162	34.2623	0.6875	2.7500	(60 ksi) A607-60
L34	77.25-68.82	8.43	4.47	12	34.2623	35.8190	0.6875	2.7500	(60 ksi) A607-60
L35	68.82-68.29	5.00	0.00	12	34.3684	35.2914	0.7500	3.0000	(60 ksi) A607-60
L36	68.29-64.25	4.04	0.00	12	35.2914	36.0374	0.7375	2.9500	(60 ksi) A607-60

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
L37	64.25-64.00	0.25	0.00	12	36.0374	36.0836	0.8750	3.5000	A607-60 (60 ksi)
L38	64.00-60.50	3.50	0.00	12	36.0836	36.7297	0.8625	3.4500	A607-60 (60 ksi)
L39	60.50-60.25	0.25	0.00	12	36.7297	36.7758	0.9250	3.7000	A607-60 (60 ksi)
L40	60.25-60.08	0.17	0.00	12	36.7758	36.8067	0.9250	3.7000	A607-60 (60 ksi)
L41	60.08-59.83	0.25	0.00	12	36.8067	36.8528	0.9750	3.9000	A607-60 (60 ksi)
L42	59.83-59.08	0.75	0.00	12	36.8528	36.9913	0.9750	3.9000	A607-60 (60 ksi)
L43	59.08-58.83	0.25	0.00	12	36.9913	37.0374	1.0500	4.2000	A607-60 (60 ksi)
L44	58.83-55.42	3.42	0.00	12	37.0374	37.6681	1.0250	4.1000	A607-60 (60 ksi)
L45	55.42-55.17	0.25	0.00	12	37.6681	37.7142	1.0250	4.1000	A607-60 (60 ksi)
L46	55.17-54.75	0.42	0.00	12	37.7142	37.7912	1.0250	4.1000	A607-60 (60 ksi)
L47	54.75-54.50	0.25	0.00	12	37.7912	37.8373	0.8250	3.3000	A607-60 (60 ksi)
L48	54.50-49.50	5.00	0.00	12	37.8373	38.7603	0.8125	3.2500	A607-60 (60 ksi)
L49	49.50-44.50	5.00	0.00	12	38.7603	39.6834	0.8000	3.2000	A607-60 (60 ksi)
L50	44.50-41.25	3.25	0.00	12	39.6834	40.2833	0.7875	3.1500	A607-60 (60 ksi)
L51	41.25-41.00	0.25	0.00	12	40.2833	40.3295	0.8750	3.5000	A607-60 (60 ksi)
L52	41.00-34.29	6.71	4.71	12	40.3295	41.5680	0.8750	3.5000	A607-60 (60 ksi)
L53	34.29-33.29	5.71	0.00	12	39.9487	40.9955	1.1750	4.7000	A607-65 (65 ksi)
L54	33.29-31.50	1.79	0.00	12	40.9955	41.3239	1.1750	4.7000	A607-65 (65 ksi)
L55	31.50-31.25	0.25	0.00	12	41.3239	41.3698	1.1750	4.7000	A607-65 (65 ksi)
L56	31.25-30.50	0.75	0.00	12	41.3698	41.5073	1.1750	4.7000	A607-65 (65 ksi)
L57	30.50-30.25	0.25	0.00	12	41.5073	41.5532	1.1250	4.5000	A607-65 (65 ksi)
L58	30.25-25.75	4.50	0.00	12	41.5532	42.3783	1.1000	4.4000	A607-65 (65 ksi)
L59	25.75-25.50	0.25	0.00	12	42.3783	42.4241	1.0250	4.1000	A607-65 (65 ksi)
L60	25.50-24.67	0.83	0.00	12	42.4241	42.5769	1.0250	4.1000	A607-65 (65 ksi)
L61	24.67-24.42	0.25	0.00	12	42.5769	42.6228	0.9250	3.7000	A607-65 (65 ksi)
L62	24.42-24.00	0.42	0.00	12	42.6228	42.6992	0.9125	3.6500	A607-65 (65 ksi)
L63	24.00-23.75	0.25	0.00	12	42.6992	42.7450	1.0250	4.1000	A607-65 (65 ksi)
L64	23.75-18.75	5.00	0.00	12	42.7450	43.6619	1.0000	4.0000	A607-65 (65 ksi)
L65	18.75-14.08	4.67	0.00	12	43.6619	44.5176	0.9875	3.9500	A607-65 (65 ksi)
L66	14.08-13.82	0.27	0.00	12	44.5176	44.5664	0.9625	3.8500	A607-65 (65 ksi)
L67	13.82-13.67	0.15	0.00	12	44.5664	44.5939	0.9625	3.8500	A607-65 (65 ksi)
L68	13.67-10.50	3.17	0.00	12	44.5939	45.1746	0.9500	3.8000	A607-65 (65 ksi)
L69	10.50-10.25	0.25	0.00	12	45.1746	45.2205	0.9000	3.6000	A607-65 (65 ksi)
L70	10.25-5.25	5.00	0.00	12	45.2205	46.1373	0.8750	3.5000	A607-65 (65 ksi)
L71	5.25-2.90	2.35	0.00	12	46.1373	46.5682	0.7500	3.0000	A607-65

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
L72	2.90-2.65	0.25	0.00	12	46.5682	46.6141	0.7500	3.0000	(65 ksi) A607-65
L73	2.65-2.50	0.15	0.00	12	46.6141	46.6416	0.7500	3.0000	(65 ksi) A607-65
L74	2.50-2.25	0.25	0.00	12	46.6416	46.6874	0.8750	3.5000	(65 ksi) A607-65
L75	2.25-1.92	0.33	0.00	12	46.6874	46.7485	0.8750	3.5000	(65 ksi) A607-65
L76	1.92-1.67	0.25	0.00	12	46.7485	46.7943	0.7750	3.1000	(65 ksi) A607-65
L77	1.67-0.00	1.67		12	46.7943	47.1000	0.7625	3.0500	(65 ksi) A607-65

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	16.0000	18.4078	562.0841	5.5259	8.0000	70.2605	1124.1682	9.1984	0.0000	0
	16.0000	18.4078	562.0841	5.5259	8.0000	70.2605	1124.1682	9.1984	0.0000	0
L2	16.0000	18.4078	562.0841	5.5259	8.0000	70.2605	1124.1682	9.1984	0.0000	0
	16.0000	18.4078	562.0841	5.5259	8.0000	70.2605	1124.1682	9.1984	0.0000	0
L3	16.0000	18.4078	562.0841	5.5259	8.0000	70.2605	1124.1682	9.1984	0.0000	0
	16.0000	18.4078	562.0841	5.5259	8.0000	70.2605	1124.1682	9.1984	0.0000	0
L4	22.0000	25.4764	1489.6700	7.6467	11.0000	135.4245	2979.3401	12.7306	0.0000	0
	22.0000	25.4764	1489.6700	7.6467	11.0000	135.4245	2979.3401	12.7306	0.0000	0
L5	22.6879	17.5087	1057.2060	7.7865	11.3960	92.7699	2142.1860	8.6173	5.2260	20.904
	23.6445	18.2526	1197.7540	8.1173	11.8746	100.8665	2426.9744	8.9834	5.4736	21.895
L6	23.6445	18.2526	1197.7540	8.1173	11.8746	100.8665	2426.9744	8.9834	5.4736	21.895
	24.6011	18.9964	1350.2370	8.4481	12.3533	109.3018	2735.9463	9.3495	5.7213	22.885
L7	24.6011	18.9964	1350.2370	8.4481	12.3533	109.3018	2735.9463	9.3495	5.7213	22.885
	25.5577	19.7403	1515.1418	8.7789	12.8319	118.0759	3070.0880	9.7156	5.9689	23.876
L8	25.5577	19.7403	1515.1418	8.7789	12.8319	118.0759	3070.0880	9.7156	5.9689	23.876
	26.5144	20.4841	1692.9544	9.1097	13.3106	127.1887	3430.3846	10.0817	6.2166	24.866
L9	26.5144	20.4841	1692.9544	9.1097	13.3106	127.1887	3430.3846	10.0817	6.2166	24.866
	27.4710	21.2279	1884.1612	9.4405	13.7892	136.6401	3817.8214	10.4477	6.4642	25.857
L10	27.4710	21.2279	1884.1612	9.4405	13.7892	136.6401	3817.8214	10.4477	6.4642	25.857
	27.7101	21.4139	1934.1128	9.5232	13.9089	139.0559	3919.0368	10.5393	6.5261	26.104
L11	27.6264	41.3843	3671.4006	9.4382	13.9089	263.9609	7439.2529	20.3681	5.8896	12.081
	27.6742	41.4568	3690.7363	9.4547	13.9328	264.8952	7478.4323	20.4038	5.9020	12.107
L12	27.6742	41.4568	3690.7363	9.4547	13.9328	264.8952	7478.4323	20.4038	5.9020	12.107
	28.1205	42.1336	3874.4611	9.6091	14.1562	273.6945	7850.7086	20.7369	6.0175	12.344
L13	28.1161	43.1938	3968.2570	9.6046	14.1562	280.3204	8040.7645	21.2587	5.9840	11.968
	28.1640	43.2682	3988.7934	9.6211	14.1801	281.2955	8082.3768	21.2953	5.9964	11.993
L14	28.1640	43.2682	3988.7934	9.6211	14.1801	281.2955	8082.3768	21.2953	5.9964	11.993
	28.4988	43.7889	4134.5358	9.7369	14.3476	288.1690	8377.6905	21.5516	6.0831	12.166
L15	28.4415	57.6737	5380.6528	9.6787	14.3476	375.0209	10902.661	28.3852	5.6476	8.525
	28.4893	57.7722	5408.2855	9.6953	14.3715	376.3191	10958.652	28.4337	5.6600	8.543
L16	28.4937	56.7083	5313.5933	9.6998	14.3715	369.7303	10766.780	27.9101	5.6935	8.759
	29.4503	58.6423	5875.9885	10.0306	14.8502	395.6846	11906.345	28.8620	5.9411	9.14
L17	29.4547	57.5402	5770.7054	10.0350	14.8502	388.5949	11693.013	28.3196	5.9746	9.372
	30.6346	59.8797	6503.5971	10.4430	15.4405	421.2026	13178.051	29.4710	6.2800	9.851
L18	30.0944	62.9258	6259.8521	9.9944	14.8238	422.2837	12684.157	30.9702	5.7935	8.276
	30.3358	65.0069	6901.6964	10.3250	15.3021	451.0303	13984.708	31.9944	6.0409	8.63
L19	30.3402	63.8737	6787.2693	10.3294	15.3021	443.5525	13752.847	31.4367	6.0744	8.835
	30.7837	64.8221	7094.1063	10.4828	15.5240	456.9773	14374.582	31.9035	6.1892	9.002

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
L20	30.8014	60.2104	6611.9267	10.5007	15.5240	425.9170	13397.556	29.6337	6.3232	9.919
	30.8492	60.3051	6643.1954	10.5172	15.5479	427.2730	13460.914	29.6804	6.3356	9.938
L21	30.8536	59.1479	6521.2538	10.5217	15.5479	419.4301	13213.828	29.1108	6.3691	10.191
	31.1881	59.7982	6738.7334	10.6374	15.7153	428.8012	13654.500	29.4308	6.4557	10.329
L22	31.1749	63.3061	7116.0467	10.6240	15.7153	452.8106	14419.039	31.1573	6.3552	9.593
	31.2227	63.4046	7149.3076	10.6405	15.7392	454.2359	14486.435	31.2058	6.3676	9.611
L23	31.2271	62.2344	7023.2688	10.6450	15.7392	446.2279	14231.046	30.6299	6.4011	9.848
	32.1830	64.1668	7698.0297	10.9755	16.2175	474.6755	15598.295	31.5810	6.6485	10.228
L24	32.1874	62.9585	7559.2294	10.9800	16.2175	466.1168	15317.048	30.9863	6.6820	10.482
	32.7131	64.0009	7940.9537	11.1618	16.4805	481.8393	16090.525	31.4993	6.8181	10.695
L25	32.6955	68.9099	8522.6387	11.1439	16.4805	517.1347	17269.176	33.9154	6.6841	9.722
	32.7432	69.0121	8560.6130	11.1604	16.5044	518.6862	17346.122	33.9657	6.6965	9.74
L26	32.7477	67.7845	8415.0800	11.1649	16.5044	509.8684	17051.233	33.3615	6.7300	9.97
	33.7035	69.7913	9184.8089	11.4954	16.9827	540.8340	18610.912	34.3491	6.9774	10.337
L27	33.7079	68.5255	9025.2518	11.4999	16.9827	531.4387	18287.607	33.7262	7.0109	10.582
	34.0425	69.2149	9300.3796	11.6156	17.1501	542.2941	18845.090	34.0655	7.0975	10.713
L28	33.9543	94.5991	12516.123	11.5261	17.1501	729.8003	25361.060	46.5588	6.4275	7.044
	34.0021	94.7348	12570.039	11.5426	17.1740	731.9235	25470.308	46.6256	6.4399	7.057
L29	34.0109	92.2107	12254.116	11.5516	17.1740	713.5280	24830.161	45.3833	6.5069	7.332
	34.4888	93.5300	12787.635	11.7168	17.4131	734.3682	25911.215	46.0326	6.6306	7.471
L30	34.4271	111.3738	15064.876	11.6542	17.4131	865.1456	30525.524	54.8148	6.1616	5.799
	34.4749	111.5318	15129.059	11.6707	17.4370	867.6400	30655.576	54.8925	6.1740	5.811
L31	34.5057	102.6215	13995.227	11.7020	17.4370	802.6156	28358.124	50.5072	6.4085	6.573
	34.5535	102.7664	14054.607	11.7185	17.4609	804.9171	28478.444	50.5785	6.4208	6.585
L32	34.5579	101.4876	13890.320	11.7230	17.4609	795.5083	28145.556	49.9491	6.4543	6.706
	35.0837	103.0615	14546.605	11.9048	17.7240	820.7302	29475.366	50.7237	6.5904	6.847
L33	35.1807	74.2241	10650.349	12.0033	17.7240	600.9005	21580.495	36.5309	7.3274	10.658
	35.2285	74.3263	10694.401	12.0198	17.7479	602.5730	21669.757	36.5811	7.3398	10.676
L34	35.2285	74.3263	10694.401	12.0198	17.7479	602.5730	21669.757	36.5811	7.3398	10.676
	36.8400	77.7724	12251.932	12.5771	18.5542	660.3305	24825.737	38.2772	7.7570	11.283
L35	36.1707	81.1884	11712.083	12.0354	17.8028	657.8776	23731.856	39.9585	7.2007	9.601
	36.2718	83.4175	12703.513	12.3658	18.2810	694.9041	25740.761	41.0556	7.4481	9.931
L36	36.2762	82.0569	12505.354	12.3703	18.2810	684.0645	25339.238	40.3859	7.4816	10.145
	37.0485	83.8285	13332.906	12.6374	18.6674	714.2355	27016.082	41.2578	7.6815	10.416
L37	37.0000	99.0701	15634.570	12.5881	18.6674	837.5342	31679.879	48.7593	7.3130	8.358

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
	37.0478	99.2001	15696.213	12.6047	18.6913	839.7610	31804.783	48.8233	7.3254	8.372
L38	37.0522	97.8177	15488.466	12.6091	18.6913	828.6463	31383.831	48.1429	7.3589	8.532
	37.7211	99.6121	16356.590	12.8405	19.0260	859.6978	33142.885	49.0261	7.5321	8.733
L39	37.6991	106.6443	17450.307	12.8181	19.0260	917.1833	35359.054	52.4871	7.3646	7.962
	37.7468	106.7817	17517.873	12.8346	19.0499	919.5791	35495.960	52.5547	7.3769	7.975
L40	37.7468	106.7817	17517.873	12.8346	19.0499	919.5791	35495.960	52.5547	7.3769	7.975
	37.7788	106.8735	17563.104	12.8456	19.0659	921.1812	35587.610	52.5999	7.3852	7.984
L41	37.7611	112.4935	18435.179	12.8277	19.0659	966.9214	37354.671	55.3659	7.2512	7.437
	37.8089	112.6384	18506.504	12.8443	19.0898	969.4468	37499.195	55.4372	7.2636	7.45
L42	37.8089	112.6384	18506.504	12.8443	19.0898	969.4468	37499.195	55.4372	7.2636	7.45
	37.9522	113.0731	18721.584	12.8938	19.1615	977.0429	37935.005	55.6511	7.3007	7.488
L43	37.9258	121.5174	20036.014	12.8670	19.1615	1045.6404	40598.397	59.8072	7.0997	6.762
	37.9736	121.6735	20113.298	12.8835	19.1854	1048.3657	40754.995	59.8840	7.1120	6.773
L44	37.9824	118.8590	19675.358	12.8924	19.1854	1025.5389	39867.609	58.4988	7.1790	7.004
	38.6353	120.9405	20727.267	13.1182	19.5121	1062.2792	41999.064	59.5232	7.3480	7.169
L45	38.6353	120.9405	20727.267	13.1182	19.5121	1062.2792	41999.064	59.5232	7.3480	7.169
	38.6831	121.0928	20805.683	13.1347	19.5360	1064.9931	42157.954	59.5982	7.3604	7.181
L46	38.6831	121.0928	20805.683	13.1347	19.5360	1064.9931	42157.954	59.5982	7.3604	7.181
	38.7627	121.3467	20936.814	13.1623	19.5758	1069.5241	42423.663	59.7232	7.3810	7.201
L47	38.8333	98.2006	17128.088	13.2339	19.5758	874.9614	34706.150	48.3314	7.9170	9.596
	38.8810	98.3232	17192.321	13.2504	19.5997	877.1714	34836.304	48.3917	7.9294	9.611
L48	38.8855	96.8662	16948.992	13.2549	19.5997	864.7565	34343.253	47.6746	7.9629	9.8
	39.8410	99.2810	18248.466	13.5853	20.0779	908.8852	36976.340	48.8631	8.2103	10.105
L49	39.8454	97.7858	17985.482	13.5898	20.0779	895.7870	36443.463	48.1272	8.2438	10.305
	40.8010	100.1636	19329.622	13.9202	20.5560	940.3404	39167.055	49.2975	8.4911	10.614
L50	40.8054	98.6302	19045.953	13.9247	20.5560	926.5406	38592.265	48.5428	8.5246	10.825
	41.4266	100.1516	19940.967	14.1395	20.8668	955.6328	40405.805	49.2916	8.6854	11.029
L51	41.3957	111.0330	22009.697	14.1082	20.8668	1054.7728	44597.613	54.6471	8.4509	9.658
	41.4435	111.1630	22087.114	14.1247	20.8907	1057.2716	44754.481	54.7111	8.4633	9.672
L52	41.4435	111.1630	22087.114	14.1247	20.8907	1057.2716	44754.481	54.7111	8.4633	9.672
	42.7257	114.6525	24233.101	14.5681	21.5322	1125.4342	49102.833	56.4285	8.7952	10.052
L53	41.8374	146.7003	28150.831	13.8810	20.6934	1360.3757	57041.216	72.2014	7.5572	6.432
	42.0272	150.6610	30493.058	14.2558	21.2357	1435.9346	61787.204	74.1508	7.8378	6.67
L54	42.0272	150.6610	30493.058	14.2558	21.2357	1435.9346	61787.204	74.1508	7.8378	6.67
	42.3672	151.9035	31253.747	14.3733	21.4058	1460.0595	63328.566	74.7623	7.9258	6.745

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
L55	42.3672	151.9035	31253.7477	14.3733	21.4058	1460.0595	63328.5661	74.7623	7.9258	6.745
	42.4147	152.0770	31360.9264	14.3897	21.4295	1463.4431	63545.7393	74.8477	7.9381	6.756
L56	42.4147	152.0770	31360.9264	14.3897	21.4295	1463.4431	63545.7393	74.8477	7.9381	6.756
	42.5570	152.5973	31683.9298	14.4390	21.5008	1473.6172	64200.2318	75.1038	7.9750	6.787
L57	42.5747	146.2849	30448.6389	14.4569	21.5008	1416.1639	61697.1975	71.9970	8.1090	7.208
	42.6221	146.4510	30552.4526	14.4733	21.5245	1419.4246	61907.5521	72.0787	8.1212	7.219
L58	42.6310	143.2851	29928.9631	14.4822	21.5245	1390.4581	60644.1933	70.5206	8.1882	7.444
	43.4852	146.2078	31798.0197	14.7776	21.9520	1448.5275	64431.4088	71.9590	8.4094	7.645
L59	43.5117	136.4866	29791.7737	14.8045	21.9520	1357.1349	60366.2105	67.1745	8.6104	8.4
	43.5591	136.6379	29890.9580	14.8209	21.9757	1360.1818	60567.1848	67.2490	8.6227	8.412
L60	43.5591	136.6379	29890.9580	14.8209	21.9757	1360.1818	60567.1848	67.2490	8.6227	8.412
	43.7173	137.1422	30223.1545	14.8756	22.0549	1370.3627	61240.3049	67.4972	8.6636	8.452
L61	43.7526	124.0603	27471.9473	14.9114	22.0549	1245.6189	55665.6132	61.0587	8.9316	9.656
	43.8001	124.1969	27562.7538	14.9278	22.0786	1248.3920	55849.6118	61.1259	8.9439	9.669
L62	43.8045	122.5553	27214.7445	14.9323	22.0786	1232.6298	55144.4506	60.3180	8.9774	9.838
	43.8836	122.7798	27364.5825	14.9596	22.1182	1237.1984	55448.0631	60.4285	8.9979	9.861
L63	43.8439	137.5457	30490.7009	14.9194	22.1182	1378.5355	61782.4266	67.6958	8.6964	8.484
	43.8913	137.6970	30591.4296	14.9358	22.1419	1381.6063	61986.5302	67.7703	8.7087	8.496
L64	43.9002	134.4190	29898.9822	14.9447	22.1419	1350.3332	60583.4439	66.1570	8.7757	8.776
	44.8493	137.3712	31912.5528	15.2730	22.6168	1411.0079	64663.4840	67.6099	9.0214	9.021
L65	44.8537	135.6938	31541.3547	15.2774	22.6168	1394.5954	63911.3359	66.7844	9.0549	9.17
	45.7397	138.4150	33477.2108	15.5838	23.0601	1451.7349	67833.9053	68.1236	9.2842	9.402
L66	45.7485	134.9883	32685.9379	15.5927	23.0601	1417.4215	66230.5719	66.4371	9.3512	9.716
	45.7990	135.1395	32795.8727	15.6102	23.0854	1420.6323	66453.3296	66.5115	9.3643	9.729
L67	45.7990	135.1395	32795.8727	15.6102	23.0854	1420.6323	66453.3296	66.5115	9.3643	9.729
	45.8275	135.2247	32857.9740	15.6201	23.0997	1422.4444	66579.1636	66.5535	9.3717	9.737
L68	45.8319	133.5068	32459.1288	15.6245	23.0997	1405.1782	65770.9951	65.7080	9.4052	9.9
	46.4331	135.2832	33772.1401	15.8324	23.4005	1443.2250	68431.5119	66.5823	9.5608	10.064
L69	46.4508	128.3079	32103.3004	15.8503	23.4005	1371.9085	65049.9902	63.1493	9.6948	10.772
	46.4982	128.4408	32203.1230	15.8667	23.4242	1374.7792	65252.2579	63.2146	9.7071	10.786
L70	46.5070	124.9434	31361.6027	15.8757	23.4242	1338.8540	63547.1097	61.4933	9.7741	11.17
	47.4562	127.5266	33347.2805	16.2039	23.8991	1395.3343	67570.6311	62.7647	10.0198	11.451
L71	47.5003	109.6104	28820.8522	16.2487	23.8991	1205.9371	58398.8604	53.9469	10.3548	13.806
	47.9464	110.6510	29649.5550	16.4029	24.1223	1229.1323	60078.0369	54.4591	10.4703	13.96
L72	47.9464	110.6510	29649.5550	16.4029	24.1223	1229.1323	60078.0369	54.4591	10.4703	13.96

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
	47.9939	110.7617	29738.6389	16.4193	24.1461	1231.6129	60258.5449	54.5136	10.4826	13.977
L73	47.9939	110.7617	29738.6389	16.4193	24.1461	1231.6129	60258.5449	54.5136	10.4826	13.977
	48.0223	110.8282	29792.1744	16.4292	24.1603	1233.1024	60367.0223	54.5463	10.4899	13.987
L74	47.9783	128.9473	34474.2908	16.3844	24.1603	1426.8959	69854.2596	63.4640	10.1549	11.606
	48.0257	129.0765	34577.9879	16.4008	24.1841	1429.7827	70064.3780	63.5275	10.1672	11.62
L75	48.0257	129.0765	34577.9879	16.4008	24.1841	1429.7827	70064.3780	63.5275	10.1672	11.62
	48.0889	129.2485	34716.4339	16.4227	24.2157	1433.6324	70344.9071	63.6122	10.1836	11.638
L76	48.1242	114.7268	30950.3691	16.4585	24.2157	1278.1109	62713.8388	56.4651	10.4516	13.486
	48.1717	114.8412	31043.0470	16.4749	24.2395	1280.6822	62901.6294	56.5214	10.4639	13.502
L77	48.1761	113.0196	30567.2476	16.4794	24.2395	1261.0531	61937.5309	55.6248	10.4974	13.767
	48.4925	113.7701	31180.2410	16.5888	24.3978	1277.9940	63179.6216	55.9942	10.5793	13.874

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A _r	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals	Double Angle Stitch Bolt Spacing Horizontals	Double Angle Stitch Bolt Spacing Redundants
ft	ft ²	in					in	in	in
L1 160.33-155.33				1	1	1			
L2 155.33-150.33				1	1	1			
L3 150.33-146.83				1	1	1			
L4 146.83-146.33				1	1	1			
L5 146.33-141.33				1	1	1			
L6 141.33-136.33				1	1	1			
L7 136.33-131.33				1	1	1			
L8 131.33-126.33				1	1	1			
L9 126.33-121.33				1	1	1			
L10 121.33-120.08				1	1	1			
L11 120.08-119.83				1	1	0.952241			
L12 119.83-117.50				1	1	0.945183			
L13 117.50-117.25				1	1	1.02541			
L14 117.25-115.50				1	1	1.01916			
L15 115.50-115.25				1	1	0.929133			
L16 115.25-110.25				1	1	0.928031			
L17 110.25-104.08				1	1	0.937076			
L18 104.08-102.82				1	1	0.937686			
L19 102.82-100.50				1	1	0.947009			
L20 100.50-100.25				1	1	0.979272			
L21 100.25-				1	1	0.993012			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_r	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
ft	ft ²	in							
98.50									
L22 98.50-98.25				1	1	0.984646			
L23 98.25-93.25				1	1	0.987428			
L24 93.25-90.50				1	1	0.997971			
L25 90.50-90.25				1	1	1.06041			
L26 90.25-85.25				1	1	1.06188			
L27 85.25-83.50				1	1	1.07542			
L28 83.50-83.25				1	1	0.976487			
L29 83.25-80.75				1	1	0.994032			
L30 80.75-80.50				1	1	0.929408			
L31 80.50-80.25				1	1	0.988425			
L32 80.25-77.50				1	1	0.990553			
L33 77.50-77.25				1	1	1.13161			
L34 77.25-68.82				1	1	1.11718			
L35 68.82-68.29				1	1	1.10418			
L36 68.29-64.25				1	1	1.10951			
L37 64.25-64.00				1	1	1.0126			
L38 64.00-60.50				1	1	1.01625			
L39 60.50-60.25				1	1	1.00832			
L40 60.25-60.08				1	1	1.0078			
L41 60.08-59.83				1	1	0.993436			
L42 59.83-59.08				1	1	0.991096			
L43 59.08-58.83				1	1	0.989483			
L44 58.83-55.42				1	1	1.00178			
L45 55.42-55.17				1	1	1.00098			
L46 55.17-54.75				1	1	0.999648			
L47 54.75-54.50				1	1	1.05096			
L48 54.50-49.50				1	1	1.05205			
L49 49.50-44.50				1	1	1.05391			
L50 44.50-41.25				1	1	1.06127			
L51 41.25-41.00				1	1	1.05236			
L52 41.00-34.29				1	1	1.04658			
L53 34.29-33.29				1	1	0.943825			
L54 33.29-31.50				1	1	0.938715			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_r	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
ft	ft ²	in							
L55 31.50-31.25				1	1	0.948018			
L56 31.25-30.50				1	1	0.945874			
L57 30.50-30.25				1	1	0.963144			
L58 30.25-25.75				1	1	0.971561			
L59 25.75-25.50				1	1	1.00222			
L60 25.50-24.67				1	1	0.999882			
L61 24.67-24.42				1	1	0.933203			
L62 24.42-24.00				1	1	0.944725			
L63 24.00-23.75				1	1	0.889372			
L64 23.75-18.75				1	1	0.89954			
L65 18.75-14.08				1	1	0.900223			
L66 14.08-13.82				1	1	0.941819			
L67 13.82-13.67				1	1	0.941471			
L68 13.67-10.50				1	1	0.946248			
L69 10.50-10.25				1	1	0.961027			
L70 10.25-5.25				1	1	0.976598			
L71 5.25-2.90				1	1	0.973671			
L72 2.90-2.65				1	1	0.973198			
L73 2.65-2.50				1	1	0.972914			
L74 2.50-2.25				1	1	0.894954			
L75 2.25-1.92				1	1	0.894333			
L76 1.92-1.67				1	1	0.934985			
L77 1.67-0.00				1	1	0.947031			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf

Safety Line 3/8"	C	No	Surface Ar (CaAa)	160.33 - 0.00	1	1	0.000 0.000	0.3750		0.22
Climbing Pegs	C	No	Surface Ar (CaAa)	160.33 - 0.00	1	1	-0.050 0.050	0.7050		1.80

LDF7-50A(1-5/8)	B	No	Surface Ar (CaAa)	156.00 - 6.00	6	6	-0.340 -0.010	1.9800		0.82
FB-L98B-002-75000(3/8)	B	No	Surface Ar (CaAa)	156.00 - 6.00	1	1	-0.470 -0.370	0.0000		0.06
WR-VG86ST-BRD(3/4)	B	No	Surface Ar (CaAa)	156.00 - 6.00	4	2	-0.470 -0.370	0.0000		0.58
CONDUIT(2)	B	No	Surface Ar (CaAa)	156.00 - 6.00	2	2	0.000 0.100	2.0000		2.80
CONDUIT(2)	B	No	Surface Ar (CaAa)	156.00 - 6.00	1	1	-0.360 -0.360	2.0000		2.80
LDF7-50A(1-5/8)	B	No	Surface Ar (CaAa)	156.00 - 6.00	2	2	-0.470 -0.370	1.9800		0.82

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
FB-L98B-002-75000(3/8)	B	No	Surface Ar (CaAa)	156.00 - 6.00	1	1	-0.360 -0.360	0.0000		0.06
WR-VG86ST-BRD(3/4)	B	No	Surface Ar (CaAa)	156.00 - 6.00	2	2	-0.360 -0.360	0.0000		0.58
* HB158-21U6S24-xxM_TMO(1-5/8)	B	No	Surface Ar (CaAa)	146.00 - 0.00	4	4	0.200 0.360	1.9960		2.50
*** 561(1-5/8)	A	No	Surface Ar (CaAa)	132.00 - 6.00	12	6	-0.050 0.250	1.6250		1.35
*** CU12PSM9P6XXX(1-1/2)	B	No	Surface Ar (CaAa)	114.00 - 0.00	1	1	0.380 0.380	1.6000		2.35
Flat Plate MP3-05	A	No	Surface Af (CaAa)	31.50 - 11.50	1	1	0.500 0.500	5.3300	14.8400	0.00
MP3-05	B	No	Surface Af (CaAa)	30.50 - 0.00	1	1	0.500 0.500	5.3300	14.8400	0.00
MP3-05	C	No	Surface Af (CaAa)	30.50 - 0.00	1	1	0.500 0.500	5.3300	14.8400	0.00
MP3-04	A	No	Surface Af (CaAa)	60.50 - 30.50	1	1	0.500 0.500	4.7800	12.7800	0.00
MP3-04	B	No	Surface Af (CaAa)	60.50 - 30.50	1	1	0.500 0.500	4.7800	12.7800	0.00
MP3-04	C	No	Surface Af (CaAa)	61.50 - 31.00	1	1	0.500 0.500	4.7800	12.7800	0.00
MP3-04	A	No	Surface Af (CaAa)	15.50 - 0.00	1	1	-0.250 -0.250	4.7800	12.7800	0.00
MP3-04	B	No	Surface Af (CaAa)	15.50 - 0.00	1	1	0.250 0.250	4.7800	12.7800	0.00
* CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	30.50 - 0.00	1	1	0.000 0.000	6.0000	14.0000	0.00
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	30.50 - 0.00	1	1	0.000 0.000	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	30.50 - 0.00	1	1	-0.250 -0.250	6.0000	14.0000	0.00
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	60.50 - 30.50	1	1	0.000 0.000	6.5000	15.5000	0.00
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	60.50 - 30.50	1	1	0.000 0.000	6.5000	15.5000	0.00
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	60.50 - 30.50	1	1	-0.250 -0.250	6.5000	15.5000	0.00
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	100.50 - 60.50	1	1	0.000 0.000	6.0000	14.0000	0.00
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	100.50 - 60.50	1	1	0.000 0.000	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	100.50 - 60.50	1	1	-0.250 -0.250	6.0000	14.0000	0.00
* CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	38.00 - 23.00	1	1	0.250 0.250	6.5000	15.5000	0.00
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	38.00 - 23.00	1	1	0.250 0.250	6.5000	15.5000	0.00
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	38.00 - 23.00	1	1	0.000 0.000	6.5000	15.5000	0.00
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	67.00 - 52.00	1	1	0.250 0.250	6.5000	15.5000	0.00
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	67.00 - 52.00	1	1	0.250 0.250	6.5000	15.5000	0.00
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	67.00 - 52.00	1	1	0.000 0.000	6.5000	15.5000	0.00
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	85.50 - 72.50	1	1	0.250 0.250	6.5000	15.5000	0.00
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	85.50 - 72.50	1	1	0.250 0.250	6.5000	15.5000	0.00
CCI 6.5" x 1.25" Plate	C	No	Surface Af	85.50 -	1	1	0.000	6.5000	15.5000	0.00

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
			(CaAa)	72.50			0.000			
* CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	117.00 - 97.00	1	1	0.250 0.250	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	117.00 - 97.00	1	1	0.250 0.250	4.5000	11.0000	0.00
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	119.00 - 99.00	1	1	0.250 0.250	4.5000	11.0000	0.00
* CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	10.50 - 0.00	1	1	0.250 0.250	6.0000	14.0000	0.00
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	45.50 - 10.50	1	1	0.250 0.250	8.5000	19.5000	0.00
CCI 8.5" x 1.25" Plate	C	No	Surface Af (CaAa)	85.00 - 60.00	1	1	0.250 0.250	8.5000	19.5000	0.00
* CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	55.40 - 20.40	1	1	-0.250 -0.250	8.5000	19.5000	0.00
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	55.40 - 20.40	1	1	-0.250 -0.250	8.5000	19.5000	0.00
CCI 8.5" x 1.25" Plate	A	No	Surface Af (CaAa)	90.50 - 55.50	1	1	-0.250 -0.250	8.5000	19.5000	0.00
CCI 8.5" x 1.25" Plate	B	No	Surface Af (CaAa)	90.50 - 55.50	1	1	-0.250 -0.250	8.5000	19.5000	0.00
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	122.60 - 90.60	1	1	-0.250 -0.250	6.0000	14.0000	0.00
CCI 6" x 1" Plate	B	No	Surface Af (CaAa)	122.60 - 90.60	1	1	-0.250 -0.250	6.0000	14.0000	0.00
CCI 6" x 1" Plate	C	No	Surface Af (CaAa)	122.60 - 100.60	1	1	-0.250 -0.250	6.0000	14.0000	0.00
* CCI 1.25" x 5.875" Plate	A	No	Surface Af (CaAa)	25.50 - 0.00	1	1	0.000 0.000	1.2500	14.2500	0.00
CCI 1.25" x 5.875" Plate	B	No	Surface Af (CaAa)	25.50 - 0.00	1	1	0.000 0.000	1.2500	14.2500	0.00
CCI 1.25" x 5.875" Plate	C	No	Surface Af (CaAa)	25.50 - 0.00	1	1	0.000 0.000	1.2500	14.2500	0.00
CCI 1.25" x 5.875" Plate	C	No	Surface Af (CaAa)	25.50 - 0.00	1	1	0.000 0.000	1.2500	14.2500	0.00
* CCI 1.25" x 5.875" Plate	A	No	Surface Af (CaAa)	28.50 - 25.50	1	1	0.000 0.000	1.2500	14.2500	0.00
CCI 1.25" x 5.875" Plate	B	No	Surface Af (CaAa)	28.50 - 25.50	1	1	0.000 0.000	1.2500	14.2500	0.00
CCI 1.25" x 5.875" Plate	C	No	Surface Af (CaAa)	28.50 - 25.50	1	1	0.000 0.000	1.2500	14.2500	0.00

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight plf
***** *****									
AVA7-50(1-5/8)	B	No	No	Inside Pole	139.00 - 0.00	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.70 0.70 0.70 0.70
561(1-5/8)	A	No	No	Inside Pole	132.00 - 0.00	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	1.35 1.35 1.35 1.35
HB158-1-08U8-	A	No	No	Inside Pole	132.00 - 0.00	2	No Ice	0.00	1.30

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _{AA} ft ² /ft	Weight plf
S8J18(1-5/8)							1/2" Ice	0.00	1.30
							1" Ice	0.00	1.30
							2" Ice	0.00	1.30

LDF4-50A(1/2)	B	No	No	Inside Pole	101.00 - 0.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
							2" Ice	0.00	0.15

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	160.33-155.33	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	1.457	0.000	0.01
		C	0.000	0.000	0.540	0.000	0.01
L2	155.33-150.33	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	10.920	0.000	0.09
		C	0.000	0.000	0.540	0.000	0.01
L3	150.33-146.83	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	7.644	0.000	0.07
		C	0.000	0.000	0.378	0.000	0.01
L4	146.83-146.33	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	1.092	0.000	0.01
		C	0.000	0.000	0.054	0.000	0.00
L5	146.33-141.33	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	14.646	0.000	0.14
		C	0.000	0.000	0.540	0.000	0.01
L6	141.33-136.33	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	14.912	0.000	0.15
		C	0.000	0.000	0.540	0.000	0.01
L7	136.33-131.33	A	0.000	0.000	0.650	0.000	0.02
		B	0.000	0.000	14.912	0.000	0.16
		C	0.000	0.000	0.540	0.000	0.01
L8	131.33-126.33	A	0.000	0.000	4.875	0.000	0.13
		B	0.000	0.000	14.912	0.000	0.16
		C	0.000	0.000	0.540	0.000	0.01
L9	126.33-121.33	A	0.000	0.000	6.142	0.000	0.13
		B	0.000	0.000	16.179	0.000	0.16
		C	0.000	0.000	1.807	0.000	0.01
L10	121.33-120.08	A	0.000	0.000	2.469	0.000	0.03
		B	0.000	0.000	4.978	0.000	0.04
		C	0.000	0.000	1.385	0.000	0.00
L11	120.08-119.83	A	0.000	0.000	0.494	0.000	0.01
		B	0.000	0.000	0.996	0.000	0.01
		C	0.000	0.000	0.277	0.000	0.00
L12	119.83-117.50	A	0.000	0.000	4.608	0.000	0.06
		B	0.000	0.000	9.291	0.000	0.08
		C	0.000	0.000	3.710	0.000	0.00
L13	117.50-117.25	A	0.000	0.000	0.494	0.000	0.01
		B	0.000	0.000	0.996	0.000	0.01
		C	0.000	0.000	0.465	0.000	0.00
L14	117.25-115.50	A	0.000	0.000	4.581	0.000	0.05
		B	0.000	0.000	8.094	0.000	0.06
		C	0.000	0.000	3.252	0.000	0.00
L15	115.50-115.25	A	0.000	0.000	0.681	0.000	0.01
		B	0.000	0.000	1.183	0.000	0.01
		C	0.000	0.000	0.465	0.000	0.00
L16	115.25-110.25	A	0.000	0.000	13.625	0.000	0.13
		B	0.000	0.000	24.262	0.000	0.17
		C	0.000	0.000	9.290	0.000	0.01
L17	110.25-104.08	A	0.000	0.000	16.805	0.000	0.17

Tower Section	Tower Elevation	Face	A _R	A _F	C _{AA} _A In Face	C _{AA} _A Out Face	Weight
n	ft		ft ²	ft ²	ft ²	ft ²	K
		B	0.000	0.000	30.171	0.000	0.22
		C	0.000	0.000	11.458	0.000	0.01
L18	104.08-102.82	A	0.000	0.000	3.442	0.000	0.03
		B	0.000	0.000	6.179	0.000	0.04
		C	0.000	0.000	2.347	0.000	0.00
L19	102.82-100.50	A	0.000	0.000	6.322	0.000	0.06
		B	0.000	0.000	11.350	0.000	0.08
		C	0.000	0.000	4.211	0.000	0.00
L20	100.50-100.25	A	0.000	0.000	0.931	0.000	0.01
		B	0.000	0.000	1.473	0.000	0.01
		C	0.000	0.000	0.465	0.000	0.00
L21	100.25-98.50	A	0.000	0.000	6.519	0.000	0.05
		B	0.000	0.000	10.312	0.000	0.06
		C	0.000	0.000	2.877	0.000	0.00
L22	98.50-98.25	A	0.000	0.000	0.931	0.000	0.01
		B	0.000	0.000	1.473	0.000	0.01
		C	0.000	0.000	0.277	0.000	0.00
L23	98.25-93.25	A	0.000	0.000	15.813	0.000	0.13
		B	0.000	0.000	26.650	0.000	0.18
		C	0.000	0.000	5.540	0.000	0.01
L24	93.25-90.50	A	0.000	0.000	8.081	0.000	0.07
		B	0.000	0.000	14.042	0.000	0.10
		C	0.000	0.000	3.047	0.000	0.01
L25	90.50-90.25	A	0.000	0.000	0.848	0.000	0.01
		B	0.000	0.000	1.390	0.000	0.01
		C	0.000	0.000	0.277	0.000	0.00
L26	90.25-85.25	A	0.000	0.000	17.223	0.000	0.13
		B	0.000	0.000	28.060	0.000	0.18
		C	0.000	0.000	5.804	0.000	0.01
L27	85.25-83.50	A	0.000	0.000	7.786	0.000	0.05
		B	0.000	0.000	11.579	0.000	0.06
		C	0.000	0.000	5.915	0.000	0.00
L28	83.50-83.25	A	0.000	0.000	1.112	0.000	0.01
		B	0.000	0.000	1.654	0.000	0.01
		C	0.000	0.000	0.896	0.000	0.00
L29	83.25-80.75	A	0.000	0.000	11.123	0.000	0.07
		B	0.000	0.000	16.541	0.000	0.09
		C	0.000	0.000	8.955	0.000	0.01
L30	80.75-80.50	A	0.000	0.000	1.112	0.000	0.01
		B	0.000	0.000	1.654	0.000	0.01
		C	0.000	0.000	0.896	0.000	0.00
L31	80.50-80.25	A	0.000	0.000	1.112	0.000	0.01
		B	0.000	0.000	1.654	0.000	0.01
		C	0.000	0.000	0.896	0.000	0.00
L32	80.25-77.50	A	0.000	0.000	12.235	0.000	0.07
		B	0.000	0.000	18.196	0.000	0.10
		C	0.000	0.000	9.851	0.000	0.01
L33	77.50-77.25	A	0.000	0.000	1.112	0.000	0.01
		B	0.000	0.000	1.654	0.000	0.01
		C	0.000	0.000	0.896	0.000	0.00
L34	77.25-68.82	A	0.000	0.000	33.615	0.000	0.23
		B	0.000	0.000	51.886	0.000	0.30
		C	0.000	0.000	26.306	0.000	0.02
L35	68.82-68.29	A	0.000	0.000	1.794	0.000	0.01
		B	0.000	0.000	2.941	0.000	0.02
		C	0.000	0.000	1.336	0.000	0.00
L36	68.29-64.25	A	0.000	0.000	16.685	0.000	0.11
		B	0.000	0.000	25.443	0.000	0.14
		C	0.000	0.000	13.181	0.000	0.01
L37	64.25-64.00	A	0.000	0.000	1.119	0.000	0.01
		B	0.000	0.000	1.661	0.000	0.01
		C	0.000	0.000	0.902	0.000	0.00
L38	64.00-60.50	A	0.000	0.000	15.663	0.000	0.09
		B	0.000	0.000	23.248	0.000	0.12
		C	0.000	0.000	13.425	0.000	0.01
L39	60.50-60.25	A	0.000	0.000	1.339	0.000	0.01
		B	0.000	0.000	1.881	0.000	0.01
		C	0.000	0.000	1.122	0.000	0.00
L40	60.25-60.08	A	0.000	0.000	0.894	0.000	0.00

Tower Section	Tower Elevation	Face	A _R	A _F	C _{AA} In Face	C _{AA} Out Face	Weight
n	ft		ft ²	ft ²	ft ²	ft ²	K
		B	0.000	0.000	1.256	0.000	0.01
		C	0.000	0.000	0.749	0.000	0.00
L41	60.08-59.83	A	0.000	0.000	1.339	0.000	0.01
		B	0.000	0.000	1.881	0.000	0.01
		C	0.000	0.000	0.885	0.000	0.00
L42	59.83-59.08	A	0.000	0.000	4.016	0.000	0.02
		B	0.000	0.000	5.642	0.000	0.03
		C	0.000	0.000	2.304	0.000	0.00
L43	59.08-58.83	A	0.000	0.000	1.339	0.000	0.01
		B	0.000	0.000	1.881	0.000	0.01
		C	0.000	0.000	0.768	0.000	0.00
L44	58.83-55.42	A	0.000	0.000	18.176	0.000	0.09
		B	0.000	0.000	25.581	0.000	0.12
		C	0.000	0.000	10.493	0.000	0.01
L45	55.42-55.17	A	0.000	0.000	1.315	0.000	0.01
		B	0.000	0.000	1.857	0.000	0.01
		C	0.000	0.000	0.768	0.000	0.00
L46	55.17-54.75	A	0.000	0.000	2.231	0.000	0.01
		B	0.000	0.000	3.134	0.000	0.01
		C	0.000	0.000	1.280	0.000	0.00
L47	54.75-54.50	A	0.000	0.000	1.339	0.000	0.01
		B	0.000	0.000	1.881	0.000	0.01
		C	0.000	0.000	0.768	0.000	0.00
L48	54.50-49.50	A	0.000	0.000	24.067	0.000	0.13
		B	0.000	0.000	34.904	0.000	0.18
		C	0.000	0.000	12.648	0.000	0.01
L49	49.50-44.50	A	0.000	0.000	21.358	0.000	0.13
		B	0.000	0.000	32.195	0.000	0.18
		C	0.000	0.000	11.357	0.000	0.01
L50	44.50-41.25	A	0.000	0.000	13.883	0.000	0.09
		B	0.000	0.000	20.927	0.000	0.11
		C	0.000	0.000	11.065	0.000	0.01
L51	41.25-41.00	A	0.000	0.000	1.068	0.000	0.01
		B	0.000	0.000	1.610	0.000	0.01
		C	0.000	0.000	0.851	0.000	0.00
L52	41.00-34.29	A	0.000	0.000	32.677	0.000	0.18
		B	0.000	0.000	47.218	0.000	0.24
		C	0.000	0.000	26.860	0.000	0.01
L53	34.29-33.29	A	0.000	0.000	5.355	0.000	0.03
		B	0.000	0.000	7.522	0.000	0.04
		C	0.000	0.000	4.488	0.000	0.00
L54	33.29-31.50	A	0.000	0.000	9.591	0.000	0.05
		B	0.000	0.000	13.473	0.000	0.06
		C	0.000	0.000	8.038	0.000	0.00
L55	31.50-31.25	A	0.000	0.000	1.561	0.000	0.01
		B	0.000	0.000	1.881	0.000	0.01
		C	0.000	0.000	1.122	0.000	0.00
L56	31.25-30.50	A	0.000	0.000	4.683	0.000	0.02
		B	0.000	0.000	5.642	0.000	0.03
		C	0.000	0.000	2.968	0.000	0.00
L57	30.50-30.25	A	0.000	0.000	1.341	0.000	0.01
		B	0.000	0.000	1.883	0.000	0.01
		C	0.000	0.000	1.124	0.000	0.00
L58	30.25-25.75	A	0.000	0.000	24.523	0.000	0.12
		B	0.000	0.000	34.277	0.000	0.16
		C	0.000	0.000	20.622	0.000	0.01
L59	25.75-25.50	A	0.000	0.000	1.376	0.000	0.01
		B	0.000	0.000	1.918	0.000	0.01
		C	0.000	0.000	1.159	0.000	0.00
L60	25.50-24.67	A	0.000	0.000	4.643	0.000	0.02
		B	0.000	0.000	6.449	0.000	0.03
		C	0.000	0.000	4.094	0.000	0.00
L61	24.67-24.42	A	0.000	0.000	1.393	0.000	0.01
		B	0.000	0.000	1.935	0.000	0.01
		C	0.000	0.000	1.228	0.000	0.00
L62	24.42-24.00	A	0.000	0.000	2.322	0.000	0.01
		B	0.000	0.000	3.225	0.000	0.01
		C	0.000	0.000	2.047	0.000	0.00
L63	24.00-23.75	A	0.000	0.000	1.393	0.000	0.01

Tower Section n	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		B	0.000	0.000	1.935	0.000	0.01
		C	0.000	0.000	1.228	0.000	0.00
L64	23.75-18.75	A	0.000	0.000	20.917	0.000	0.13
		B	0.000	0.000	31.754	0.000	0.18
		C	0.000	0.000	19.961	0.000	0.01
L65	18.75-14.08	A	0.000	0.000	15.464	0.000	0.13
		B	0.000	0.000	25.580	0.000	0.16
		C	0.000	0.000	17.873	0.000	0.01
L66	14.08-13.82	A	0.000	0.000	1.029	0.000	0.01
		B	0.000	0.000	1.606	0.000	0.01
		C	0.000	0.000	1.019	0.000	0.00
L67	13.82-13.67	A	0.000	0.000	0.580	0.000	0.00
		B	0.000	0.000	0.905	0.000	0.01
		C	0.000	0.000	0.574	0.000	0.00
L68	13.67-10.50	A	0.000	0.000	11.363	0.000	0.09
		B	0.000	0.000	19.115	0.000	0.11
		C	0.000	0.000	12.129	0.000	0.01
L69	10.50-10.25	A	0.000	0.000	0.745	0.000	0.01
		B	0.000	0.000	1.509	0.000	0.01
		C	0.000	0.000	0.835	0.000	0.00
L70	10.25-5.25	A	0.000	0.000	14.169	0.000	0.12
		B	0.000	0.000	28.541	0.000	0.16
		C	0.000	0.000	16.708	0.000	0.01
L71	5.25-2.90	A	0.000	0.000	4.712	0.000	0.03
		B	0.000	0.000	9.052	0.000	0.04
		C	0.000	0.000	7.853	0.000	0.00
L72	2.90-2.65	A	0.000	0.000	0.501	0.000	0.00
		B	0.000	0.000	0.963	0.000	0.00
		C	0.000	0.000	0.835	0.000	0.00
L73	2.65-2.50	A	0.000	0.000	0.301	0.000	0.00
		B	0.000	0.000	0.578	0.000	0.00
		C	0.000	0.000	0.501	0.000	0.00
L74	2.50-2.25	A	0.000	0.000	0.501	0.000	0.00
		B	0.000	0.000	0.963	0.000	0.00
		C	0.000	0.000	0.835	0.000	0.00
L75	2.25-1.92	A	0.000	0.000	0.668	0.000	0.00
		B	0.000	0.000	1.283	0.000	0.01
		C	0.000	0.000	1.113	0.000	0.00
L76	1.92-1.67	A	0.000	0.000	0.501	0.000	0.00
		B	0.000	0.000	0.963	0.000	0.00
		C	0.000	0.000	0.835	0.000	0.00
L77	1.67-0.00	A	0.000	0.000	3.342	0.000	0.02
		B	0.000	0.000	6.421	0.000	0.03
		C	0.000	0.000	5.570	0.000	0.00

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section n	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	160.33-155.33	A	1.988	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	4.241	0.000	0.07
		C		0.000	0.000	4.513	0.000	0.07
L2	155.33-150.33	A	1.982	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	31.730	0.000	0.50
		C		0.000	0.000	4.503	0.000	0.07
L3	150.33-146.83	A	1.976	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	22.175	0.000	0.35
		C		0.000	0.000	3.144	0.000	0.05
L4	146.83-146.33	A	1.973	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	3.165	0.000	0.05
		C		0.000	0.000	0.449	0.000	0.01
L5	146.33-141.33	A	1.970	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	38.575	0.000	0.63
		C		0.000	0.000	4.479	0.000	0.07
L6	141.33-136.33	A	1.963	0.000	0.000	0.000	0.000	0.00

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		B		0.000	0.000	38.998	0.000	0.65
		C		0.000	0.000	4.465	0.000	0.07
L7	136.33-131.33	A	1.955	0.000	0.000	1.139	0.000	0.04
		B		0.000	0.000	38.922	0.000	0.66
		C		0.000	0.000	4.451	0.000	0.07
L8	131.33-126.33	A	1.948	0.000	0.000	8.529	0.000	0.26
		B		0.000	0.000	38.844	0.000	0.66
		C		0.000	0.000	4.436	0.000	0.07
L9	126.33-121.33	A	1.940	0.000	0.000	10.278	0.000	0.28
		B		0.000	0.000	40.522	0.000	0.68
		C		0.000	0.000	6.179	0.000	0.09
L10	121.33-120.08	A	1.935	0.000	0.000	3.862	0.000	0.09
		B		0.000	0.000	11.412	0.000	0.18
		C		0.000	0.000	2.837	0.000	0.04
L11	120.08-119.83	A	1.934	0.000	0.000	0.772	0.000	0.02
		B		0.000	0.000	2.282	0.000	0.04
		C		0.000	0.000	0.567	0.000	0.01
L12	119.83-117.50	A	1.932	0.000	0.000	7.205	0.000	0.16
		B		0.000	0.000	21.281	0.000	0.34
		C		0.000	0.000	6.994	0.000	0.09
L13	117.50-117.25	A	1.930	0.000	0.000	0.772	0.000	0.02
		B		0.000	0.000	2.279	0.000	0.04
		C		0.000	0.000	0.850	0.000	0.01
L14	117.25-115.50	A	1.928	0.000	0.000	7.105	0.000	0.14
		B		0.000	0.000	17.652	0.000	0.28
		C		0.000	0.000	5.951	0.000	0.08
L15	115.50-115.25	A	1.927	0.000	0.000	1.055	0.000	0.02
		B		0.000	0.000	2.561	0.000	0.04
		C		0.000	0.000	0.850	0.000	0.01
L16	115.25-110.25	A	1.922	0.000	0.000	21.091	0.000	0.41
		B		0.000	0.000	53.209	0.000	0.84
		C		0.000	0.000	16.979	0.000	0.22
L17	110.25-104.08	A	1.912	0.000	0.000	25.975	0.000	0.50
		B		0.000	0.000	66.306	0.000	1.04
		C		0.000	0.000	20.894	0.000	0.26
L18	104.08-102.82	A	1.906	0.000	0.000	5.320	0.000	0.10
		B		0.000	0.000	13.579	0.000	0.21
		C		0.000	0.000	4.279	0.000	0.05
L19	102.82-100.50	A	1.902	0.000	0.000	9.756	0.000	0.19
		B		0.000	0.000	24.881	0.000	0.39
		C		0.000	0.000	7.703	0.000	0.10
L20	100.50-100.25	A	1.900	0.000	0.000	1.396	0.000	0.02
		B		0.000	0.000	3.025	0.000	0.05
		C		0.000	0.000	0.845	0.000	0.01
L21	100.25-98.50	A	1.898	0.000	0.000	9.769	0.000	0.17
		B		0.000	0.000	21.162	0.000	0.32
		C		0.000	0.000	5.344	0.000	0.07
L22	98.50-98.25	A	1.896	0.000	0.000	1.395	0.000	0.02
		B		0.000	0.000	3.022	0.000	0.05
		C		0.000	0.000	0.561	0.000	0.01
L23	98.25-93.25	A	1.891	0.000	0.000	23.650	0.000	0.43
		B		0.000	0.000	56.130	0.000	0.86
		C		0.000	0.000	11.213	0.000	0.14
L24	93.25-90.50	A	1.883	0.000	0.000	12.080	0.000	0.23
		B		0.000	0.000	29.900	0.000	0.46
		C		0.000	0.000	6.154	0.000	0.08
L25	90.50-90.25	A	1.880	0.000	0.000	1.214	0.000	0.02
		B		0.000	0.000	2.833	0.000	0.04
		C		0.000	0.000	0.559	0.000	0.01
L26	90.25-85.25	A	1.875	0.000	0.000	24.583	0.000	0.44
		B		0.000	0.000	56.894	0.000	0.86
		C		0.000	0.000	11.477	0.000	0.15
L27	85.25-83.50	A	1.867	0.000	0.000	10.679	0.000	0.18
		B		0.000	0.000	21.962	0.000	0.33
		C		0.000	0.000	8.775	0.000	0.11
L28	83.50-83.25	A	1.865	0.000	0.000	1.525	0.000	0.03
		B		0.000	0.000	3.136	0.000	0.05
		C		0.000	0.000	1.317	0.000	0.02
L29	83.25-80.75	A	1.862	0.000	0.000	15.246	0.000	0.26

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		B		0.000	0.000	31.337	0.000	0.47
		C		0.000	0.000	13.162	0.000	0.16
L30	80.75-80.50	A	1.859	0.000	0.000	1.524	0.000	0.03
		B		0.000	0.000	3.132	0.000	0.05
		C		0.000	0.000	1.316	0.000	0.02
L31	80.50-80.25	A	1.858	0.000	0.000	1.524	0.000	0.03
		B		0.000	0.000	3.131	0.000	0.05
		C		0.000	0.000	1.315	0.000	0.02
L32	80.25-77.50	A	1.855	0.000	0.000	16.756	0.000	0.28
		B		0.000	0.000	34.415	0.000	0.51
		C		0.000	0.000	14.461	0.000	0.17
L33	77.50-77.25	A	1.851	0.000	0.000	1.523	0.000	0.03
		B		0.000	0.000	3.126	0.000	0.05
		C		0.000	0.000	1.314	0.000	0.02
L34	77.25-68.82	A	1.840	0.000	0.000	46.672	0.000	0.79
		B		0.000	0.000	100.559	0.000	1.50
		C		0.000	0.000	39.621	0.000	0.47
L35	68.82-68.29	A	1.829	0.000	0.000	2.556	0.000	0.04
		B		0.000	0.000	5.937	0.000	0.09
		C		0.000	0.000	2.114	0.000	0.02
L36	68.29-64.25	A	1.823	0.000	0.000	23.088	0.000	0.38
		B		0.000	0.000	48.772	0.000	0.72
		C		0.000	0.000	19.699	0.000	0.23
L37	64.25-64.00	A	1.817	0.000	0.000	1.532	0.000	0.02
		B		0.000	0.000	3.118	0.000	0.05
		C		0.000	0.000	1.322	0.000	0.02
L38	64.00-60.50	A	1.811	0.000	0.000	21.435	0.000	0.35
		B		0.000	0.000	43.599	0.000	0.63
		C		0.000	0.000	19.654	0.000	0.23
L39	60.50-60.25	A	1.806	0.000	0.000	1.840	0.000	0.03
		B		0.000	0.000	3.421	0.000	0.05
		C		0.000	0.000	1.630	0.000	0.02
L40	60.25-60.08	A	1.805	0.000	0.000	1.229	0.000	0.02
		B		0.000	0.000	2.285	0.000	0.03
		C		0.000	0.000	1.089	0.000	0.01
L41	60.08-59.83	A	1.805	0.000	0.000	1.840	0.000	0.03
		B		0.000	0.000	3.420	0.000	0.05
		C		0.000	0.000	1.333	0.000	0.02
L42	59.83-59.08	A	1.803	0.000	0.000	5.519	0.000	0.09
		B		0.000	0.000	10.256	0.000	0.15
		C		0.000	0.000	3.556	0.000	0.04
L43	59.08-58.83	A	1.802	0.000	0.000	1.839	0.000	0.03
		B		0.000	0.000	3.417	0.000	0.05
		C		0.000	0.000	1.185	0.000	0.01
L44	58.83-55.42	A	1.796	0.000	0.000	24.968	0.000	0.39
		B		0.000	0.000	46.493	0.000	0.66
		C		0.000	0.000	16.175	0.000	0.20
L45	55.42-55.17	A	1.790	0.000	0.000	1.807	0.000	0.03
		B		0.000	0.000	3.379	0.000	0.05
		C		0.000	0.000	1.182	0.000	0.01
L46	55.17-54.75	A	1.789	0.000	0.000	3.060	0.000	0.05
		B		0.000	0.000	5.680	0.000	0.08
		C		0.000	0.000	1.970	0.000	0.02
L47	54.75-54.50	A	1.788	0.000	0.000	1.836	0.000	0.03
		B		0.000	0.000	3.407	0.000	0.05
		C		0.000	0.000	1.182	0.000	0.01
L48	54.50-49.50	A	1.779	0.000	0.000	33.408	0.000	0.52
		B		0.000	0.000	64.740	0.000	0.92
		C		0.000	0.000	20.326	0.000	0.24
L49	49.50-44.50	A	1.761	0.000	0.000	30.062	0.000	0.48
		B		0.000	0.000	61.210	0.000	0.87
		C		0.000	0.000	18.754	0.000	0.22
L50	44.50-41.25	A	1.745	0.000	0.000	19.496	0.000	0.31
		B		0.000	0.000	39.635	0.000	0.56
		C		0.000	0.000	16.737	0.000	0.19
L51	41.25-41.00	A	1.738	0.000	0.000	1.498	0.000	0.02
		B		0.000	0.000	3.044	0.000	0.04
		C		0.000	0.000	1.286	0.000	0.01
L52	41.00-34.29	A	1.722	0.000	0.000	44.947	0.000	0.69

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		B		0.000	0.000	86.209	0.000	1.20
		C		0.000	0.000	39.229	0.000	0.43
L53	34.29-33.29	A	1.704	0.000	0.000	7.283	0.000	0.11
		B		0.000	0.000	13.434	0.000	0.19
		C		0.000	0.000	6.431	0.000	0.07
L54	33.29-31.50	A	1.697	0.000	0.000	12.998	0.000	0.19
		B		0.000	0.000	23.919	0.000	0.33
		C		0.000	0.000	11.465	0.000	0.13
L55	31.50-31.25	A	1.691	0.000	0.000	2.120	0.000	0.03
		B		0.000	0.000	3.335	0.000	0.05
		C		0.000	0.000	1.599	0.000	0.02
L56	31.25-30.50	A	1.689	0.000	0.000	6.357	0.000	0.09
		B		0.000	0.000	9.998	0.000	0.14
		C		0.000	0.000	4.227	0.000	0.05
L57	30.50-30.25	A	1.686	0.000	0.000	1.814	0.000	0.03
		B		0.000	0.000	3.333	0.000	0.05
		C		0.000	0.000	1.599	0.000	0.02
L58	30.25-25.75	A	1.672	0.000	0.000	33.528	0.000	0.52
		B		0.000	0.000	60.741	0.000	0.85
		C		0.000	0.000	29.658	0.000	0.35
L59	25.75-25.50	A	1.658	0.000	0.000	1.892	0.000	0.03
		B		0.000	0.000	3.396	0.000	0.05
		C		0.000	0.000	1.676	0.000	0.02
L60	25.50-24.67	A	1.654	0.000	0.000	6.470	0.000	0.10
		B		0.000	0.000	11.478	0.000	0.16
		C		0.000	0.000	6.200	0.000	0.08
L61	24.67-24.42	A	1.650	0.000	0.000	1.940	0.000	0.03
		B		0.000	0.000	3.441	0.000	0.05
		C		0.000	0.000	1.859	0.000	0.02
L62	24.42-24.00	A	1.648	0.000	0.000	3.233	0.000	0.05
		B		0.000	0.000	5.732	0.000	0.08
		C		0.000	0.000	3.097	0.000	0.04
L63	24.00-23.75	A	1.646	0.000	0.000	1.939	0.000	0.03
		B		0.000	0.000	3.437	0.000	0.05
		C		0.000	0.000	1.857	0.000	0.02
L64	23.75-18.75	A	1.627	0.000	0.000	30.296	0.000	0.50
		B		0.000	0.000	60.066	0.000	0.85
		C		0.000	0.000	31.505	0.000	0.40
L65	18.75-14.08	A	1.585	0.000	0.000	23.324	0.000	0.41
		B		0.000	0.000	50.714	0.000	0.73
		C		0.000	0.000	28.231	0.000	0.36
L66	14.08-13.82	A	1.560	0.000	0.000	1.527	0.000	0.03
		B		0.000	0.000	3.074	0.000	0.04
		C		0.000	0.000	1.600	0.000	0.02
L67	13.82-13.67	A	1.557	0.000	0.000	0.861	0.000	0.01
		B		0.000	0.000	1.732	0.000	0.02
		C		0.000	0.000	0.902	0.000	0.01
L68	13.67-10.50	A	1.537	0.000	0.000	16.909	0.000	0.29
		B		0.000	0.000	36.382	0.000	0.51
		C		0.000	0.000	18.945	0.000	0.23
L69	10.50-10.25	A	1.514	0.000	0.000	1.125	0.000	0.02
		B		0.000	0.000	2.854	0.000	0.04
		C		0.000	0.000	1.330	0.000	0.02
L70	10.25-5.25	A	1.471	0.000	0.000	21.142	0.000	0.37
		B		0.000	0.000	52.363	0.000	0.71
		C		0.000	0.000	26.310	0.000	0.33
L71	5.25-2.90	A	1.379	0.000	0.000	6.647	0.000	0.10
		B		0.000	0.000	13.562	0.000	0.18
		C		0.000	0.000	12.085	0.000	0.14
L72	2.90-2.65	A	1.327	0.000	0.000	0.700	0.000	0.01
		B		0.000	0.000	1.427	0.000	0.02
		C		0.000	0.000	1.269	0.000	0.01
L73	2.65-2.50	A	1.317	0.000	0.000	0.419	0.000	0.01
		B		0.000	0.000	0.854	0.000	0.01
		C		0.000	0.000	0.759	0.000	0.01
L74	2.50-2.25	A	1.307	0.000	0.000	0.697	0.000	0.01
		B		0.000	0.000	1.421	0.000	0.02
		C		0.000	0.000	1.262	0.000	0.01
L75	2.25-1.92	A	1.290	0.000	0.000	0.925	0.000	0.01

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L76	1.92-1.67	B	1.270	0.000	0.000	1.885	0.000	0.02
		C		0.000	0.000	1.674	0.000	0.02
		A		0.000	0.000	0.692	0.000	0.01
		B		0.000	0.000	1.410	0.000	0.02
L77	1.67-0.00	C	1.177	0.000	0.000	1.250	0.000	0.01
		A		0.000	0.000	4.519	0.000	0.06
		B		0.000	0.000	9.205	0.000	0.11
		C		0.000	0.000	8.133	0.000	0.08

Feed Line Center of Pressure

Section	Elevation ft	CP _x in	CP _z in	CP _x Ice in	CP _z Ice in
L1	160.33-155.33	1.2374	-0.9217	0.8208	0.3394
L2	155.33-150.33	3.5977	-4.5607	2.0599	-3.0332
L3	150.33-146.83	3.5977	-4.5607	2.0606	-3.0336
L4	146.83-146.33	4.3734	-5.5369	2.6321	-3.8870
L5	146.33-141.33	4.8260	-3.6988	3.4128	-3.3204
L6	141.33-136.33	5.0029	-3.7275	3.5681	-3.3889
L7	136.33-131.33	4.7145	-3.9250	3.4538	-3.5570
L8	131.33-126.33	2.6403	-4.5483	2.2760	-4.0210
L9	126.33-121.33	2.4119	-4.1492	2.2137	-3.9076
L10	121.33-120.08	1.8675	-3.2099	1.9383	-3.4199
L11	120.08-119.83	1.8756	-3.2232	1.9474	-3.4355
L12	119.83-117.50	1.1954	-2.6793	1.4878	-3.0697
L13	117.50-117.25	0.8461	-2.4045	1.2480	-2.8850
L14	117.25-115.50	1.4643	-2.6354	1.6620	-3.0206
L15	115.50-115.25	1.5616	-2.6806	1.7335	-3.0559
L16	115.25-110.25	1.7060	-2.6469	1.9569	-2.9881
L17	110.25-104.08	1.7918	-2.6906	2.0819	-3.0404
L18	104.08-102.82	1.8002	-2.7027	2.0933	-3.0567
L19	102.82-100.50	1.7717	-2.7659	2.0848	-3.1132
L20	100.50-100.25	1.5739	-3.4258	1.9241	-3.5454
L21	100.25-98.50	1.8192	-3.6380	2.1173	-3.7134
L22	98.50-98.25	2.4552	-4.1738	2.6054	-4.1225
L23	98.25-93.25	2.0557	-4.1538	2.3371	-4.1254
L24	93.25-90.50	1.9851	-4.1902	2.3103	-4.1826
L25	90.50-90.25	1.3415	-4.2888	1.9755	-4.2523
L26	90.25-85.25	1.4009	-4.2581	2.0222	-4.2603
L27	85.25-83.50	0.8975	-2.2025	1.5561	-2.8821
L28	83.50-83.25	0.7156	-2.0679	1.4264	-2.7881
L29	83.25-80.75	0.7197	-2.0795	1.4351	-2.8054
L30	80.75-80.50	0.7241	-2.0919	1.4440	-2.8233
L31	80.50-80.25	0.7247	-2.0936	1.4455	-2.8261
L32	80.25-77.50	0.7292	-2.1063	1.4549	-2.8449
L33	77.50-77.25	0.7333	-2.1178	1.4638	-2.8629
L34	77.25-68.82	0.3459	-2.5199	1.2693	-3.1964
L35	68.82-68.29	-0.2673	-3.1077	0.9593	-3.6187
L36	68.29-64.25	0.4877	-2.4303	1.3691	-3.1371
L37	64.25-64.00	0.7836	-2.1818	1.5476	-2.9522
L38	64.00-60.50	0.4663	-2.2471	1.2825	-3.0084
L39	60.50-60.25	0.7674	-1.9652	1.4510	-2.7049
L40	60.25-60.08	0.7680	-1.9668	1.4522	-2.7072
L41	60.08-59.83	1.6245	-2.6177	2.0986	-3.2065
L42	59.83-59.08	2.0842	-2.9689	2.4408	-3.4733
L43	59.08-58.83	2.0885	-2.9749	2.4460	-3.4806
L44	58.83-55.42	2.1420	-2.9843	2.4935	-3.5000
L45	55.42-55.17	2.2245	-2.9859	2.5626	-3.5147
L46	55.17-54.75	2.1207	-3.0190	2.4865	-3.5371
L47	54.75-54.50	2.1226	-3.0216	2.4894	-3.5410
L48	54.50-49.50	1.7957	-3.5513	2.2983	-3.9466
L49	49.50-44.50	1.0808	-3.9726	1.8545	-4.2486
L50	44.50-41.25	-0.1651	-2.9713	0.9643	-3.5598
L51	41.25-41.00	-0.1665	-2.9913	0.9687	-3.5829

Section	Elevation	CP _x	CP _z	CP _x	CP _z
	ft	in	in	Ice in	Ice in
L52	41.00-34.29	0.4334	-2.4931	1.3270	-3.2298
L53	34.29-33.29	0.8336	-2.1313	1.5744	-2.9426
L54	33.29-31.50	0.8380	-2.1424	1.5770	-2.9528
L55	31.50-31.25	1.6254	-2.9243	2.2158	-3.5855
L56	31.25-30.50	2.3703	-2.8267	2.8724	-3.5165
L57	30.50-30.25	0.7646	-2.1241	1.5374	-2.9510
L58	30.25-25.75	0.7603	-2.1120	1.5214	-2.9224
L59	25.75-25.50	0.7606	-2.1122	1.5151	-2.9125
L60	25.50-24.67	0.7481	-1.8544	1.4715	-2.4840
L61	24.67-24.42	0.7493	-1.8574	1.4736	-2.4882
L62	24.42-24.00	0.7501	-1.8594	1.4750	-2.4909
L63	24.00-23.75	0.7511	-1.8618	1.4765	-2.4939
L64	23.75-18.75	0.4179	-2.3074	1.3643	-2.8884
L65	18.75-14.08	1.4262	-1.5896	2.1329	-2.4262
L66	14.08-13.82	1.3493	-0.8309	2.0435	-1.7976
L67	13.82-13.67	1.3501	-0.8314	2.0445	-1.7983
L68	13.67-10.50	1.0278	-0.4819	1.8073	-1.5439
L69	10.50-10.25	0.9107	-0.0927	1.7391	-1.2889
L70	10.25-5.25	0.8360	0.4125	1.6682	-0.6638
L71	5.25-2.90	0.2814	3.9292	1.0254	4.6578
L72	2.90-2.65	0.2820	3.9417	1.0167	4.6525
L73	2.65-2.50	0.2821	3.9436	1.0148	4.6508
L74	2.50-2.25	0.2823	3.9467	1.0131	4.6498
L75	2.25-1.92	0.2824	3.9495	1.0097	4.6460
L76	1.92-1.67	0.2825	3.9513	1.0056	4.6403
L77	1.67-0.00	0.2829	3.9604	0.9850	4.6079

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L1	2	Safety Line 3/8"	155.33 - 160.33	1.0000	1.0000
L1	3	Climbing Pegs	155.33 - 160.33	1.0000	1.0000
L1	5	LDF7-50A(1-5/8)	155.33 - 156.00	1.0000	1.0000
L1	6	FB-L98B-002-75000(3/8)	155.33 - 156.00	1.0000	1.0000
L1	7	WR-VG86ST-BRD(3/4)	155.33 - 156.00	1.0000	1.0000
L1	8	CONDUIT(2)	155.33 - 156.00	1.0000	1.0000
L1	9	CONDUIT(2)	155.33 - 156.00	1.0000	1.0000
L1	10	LDF7-50A(1-5/8)	155.33 - 156.00	1.0000	1.0000
L1	11	FB-L98B-002-75000(3/8)	155.33 - 156.00	1.0000	1.0000
L1	12	WR-VG86ST-BRD(3/4)	155.33 - 156.00	1.0000	1.0000
L2	2	Safety Line 3/8"	150.33 - 155.33	1.0000	1.0000
L2	3	Climbing Pegs	150.33 - 155.33	1.0000	1.0000
L2	5	LDF7-50A(1-5/8)	150.33 - 155.33	1.0000	1.0000
L2	6	FB-L98B-002-75000(3/8)	150.33 - 155.33	1.0000	1.0000
L2	7	WR-VG86ST-BRD(3/4)	150.33 - 155.33	1.0000	1.0000
L2	8	CONDUIT(2)	150.33 - 155.33	1.0000	1.0000
L2	9	CONDUIT(2)	150.33 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L2	10	LDF7-50A(1-5/8)	155.33 150.33 - 155.33	1.0000	1.0000
L2	11	FB-L98B-002-75000(3/8)	150.33 - 155.33	1.0000	1.0000
L2	12	WR-VG86ST-BRD(3/4)	150.33 - 155.33	1.0000	1.0000
L3	2	Safety Line 3/8"	146.83 - 150.33	1.0000	1.0000
L3	3	Climbing Pegs	146.83 - 150.33	1.0000	1.0000
L3	5	LDF7-50A(1-5/8)	146.83 - 150.33	1.0000	1.0000
L3	6	FB-L98B-002-75000(3/8)	146.83 - 150.33	1.0000	1.0000
L3	7	WR-VG86ST-BRD(3/4)	146.83 - 150.33	1.0000	1.0000
L3	8	CONDUIT(2)	146.83 - 150.33	1.0000	1.0000
L3	9	CONDUIT(2)	146.83 - 150.33	1.0000	1.0000
L3	10	LDF7-50A(1-5/8)	146.83 - 150.33	1.0000	1.0000
L3	11	FB-L98B-002-75000(3/8)	146.83 - 150.33	1.0000	1.0000
L3	12	WR-VG86ST-BRD(3/4)	146.83 - 150.33	1.0000	1.0000
L4	2	Safety Line 3/8"	146.33 - 146.83	1.0000	1.0000
L4	3	Climbing Pegs	146.33 - 146.83	1.0000	1.0000
L4	5	LDF7-50A(1-5/8)	146.33 - 146.83	1.0000	1.0000
L4	6	FB-L98B-002-75000(3/8)	146.33 - 146.83	1.0000	1.0000
L4	7	WR-VG86ST-BRD(3/4)	146.33 - 146.83	1.0000	1.0000
L4	8	CONDUIT(2)	146.33 - 146.83	1.0000	1.0000
L4	9	CONDUIT(2)	146.33 - 146.83	1.0000	1.0000
L4	10	LDF7-50A(1-5/8)	146.33 - 146.83	1.0000	1.0000
L4	11	FB-L98B-002-75000(3/8)	146.33 - 146.83	1.0000	1.0000
L4	12	WR-VG86ST-BRD(3/4)	146.33 - 146.83	1.0000	1.0000
L5	2	Safety Line 3/8"	141.33 - 146.33	1.0000	1.0000
L5	3	Climbing Pegs	141.33 - 146.33	1.0000	1.0000
L5	5	LDF7-50A(1-5/8)	141.33 - 146.33	1.0000	1.0000
L5	6	FB-L98B-002-75000(3/8)	141.33 - 146.33	1.0000	1.0000
L5	7	WR-VG86ST-BRD(3/4)	141.33 - 146.33	1.0000	1.0000
L5	8	CONDUIT(2)	141.33 - 146.33	1.0000	1.0000
L5	9	CONDUIT(2)	141.33 - 146.33	1.0000	1.0000
L5	10	LDF7-50A(1-5/8)	141.33 - 146.33	1.0000	1.0000
L5	11	FB-L98B-002-75000(3/8)	141.33 - 146.33	1.0000	1.0000
L5	12	WR-VG86ST-BRD(3/4)	141.33 - 146.33	1.0000	1.0000
L5	17	HB158-21U6S24-xxM_TMO(1-5/8)	141.33 - 146.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L6	2	Safety Line 3/8"	136.33 - 141.33	1.0000	1.0000
L6	3	Climbing Pegs	136.33 - 141.33	1.0000	1.0000
L6	5	LDF7-50A(1-5/8)	136.33 - 141.33	1.0000	1.0000
L6	6	FB-L98B-002-75000(3/8)	136.33 - 141.33	1.0000	1.0000
L6	7	WR-VG86ST-BRD(3/4)	136.33 - 141.33	1.0000	1.0000
L6	8	CONDUIT(2)	136.33 - 141.33	1.0000	1.0000
L6	9	CONDUIT(2)	136.33 - 141.33	1.0000	1.0000
L6	10	LDF7-50A(1-5/8)	136.33 - 141.33	1.0000	1.0000
L6	11	FB-L98B-002-75000(3/8)	136.33 - 141.33	1.0000	1.0000
L6	12	WR-VG86ST-BRD(3/4)	136.33 - 141.33	1.0000	1.0000
L6	17	HB158-21U6S24- xxM_TMO(1-5/8)	136.33 - 141.33	1.0000	1.0000
L7	2	Safety Line 3/8"	131.33 - 136.33	1.0000	1.0000
L7	3	Climbing Pegs	131.33 - 136.33	1.0000	1.0000
L7	5	LDF7-50A(1-5/8)	131.33 - 136.33	1.0000	1.0000
L7	6	FB-L98B-002-75000(3/8)	131.33 - 136.33	1.0000	1.0000
L7	7	WR-VG86ST-BRD(3/4)	131.33 - 136.33	1.0000	1.0000
L7	8	CONDUIT(2)	131.33 - 136.33	1.0000	1.0000
L7	9	CONDUIT(2)	131.33 - 136.33	1.0000	1.0000
L7	10	LDF7-50A(1-5/8)	131.33 - 136.33	1.0000	1.0000
L7	11	FB-L98B-002-75000(3/8)	131.33 - 136.33	1.0000	1.0000
L7	12	WR-VG86ST-BRD(3/4)	131.33 - 136.33	1.0000	1.0000
L7	17	HB158-21U6S24- xxM_TMO(1-5/8)	131.33 - 136.33	1.0000	1.0000
L7	21	561(1-5/8)	131.33 - 132.00	1.0000	1.0000
L8	2	Safety Line 3/8"	126.33 - 131.33	1.0000	1.0000
L8	3	Climbing Pegs	126.33 - 131.33	1.0000	1.0000
L8	5	LDF7-50A(1-5/8)	126.33 - 131.33	1.0000	1.0000
L8	6	FB-L98B-002-75000(3/8)	126.33 - 131.33	1.0000	1.0000
L8	7	WR-VG86ST-BRD(3/4)	126.33 - 131.33	1.0000	1.0000
L8	8	CONDUIT(2)	126.33 - 131.33	1.0000	1.0000
L8	9	CONDUIT(2)	126.33 - 131.33	1.0000	1.0000
L8	10	LDF7-50A(1-5/8)	126.33 - 131.33	1.0000	1.0000
L8	11	FB-L98B-002-75000(3/8)	126.33 - 131.33	1.0000	1.0000
L8	12	WR-VG86ST-BRD(3/4)	126.33 - 131.33	1.0000	1.0000
L8	17	HB158-21U6S24- xxM_TMO(1-5/8)	126.33 - 131.33	1.0000	1.0000
L8	21	561(1-5/8)	126.33 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L9	2	Safety Line 3/8"	131.33 121.33 - 126.33	1.0000	1.0000
L9	3	Climbing Pegs	121.33 - 126.33	1.0000	1.0000
L9	5	LDF7-50A(1-5/8)	121.33 - 126.33	1.0000	1.0000
L9	6	FB-L98B-002-75000(3/8)	121.33 - 126.33	1.0000	1.0000
L9	7	WR-VG86ST-BRD(3/4)	121.33 - 126.33	1.0000	1.0000
L9	8	CONDUIT(2)	121.33 - 126.33	1.0000	1.0000
L9	9	CONDUIT(2)	121.33 - 126.33	1.0000	1.0000
L9	10	LDF7-50A(1-5/8)	121.33 - 126.33	1.0000	1.0000
L9	11	FB-L98B-002-75000(3/8)	121.33 - 126.33	1.0000	1.0000
L9	12	WR-VG86ST-BRD(3/4)	121.33 - 126.33	1.0000	1.0000
L9	17	HB158-21U6S24- xxM_TMO(1-5/8)	121.33 - 126.33	1.0000	1.0000
L9	21	561(1-5/8)	121.33 - 126.33	1.0000	1.0000
L9	71	CCI 6" x 1" Plate	121.33 - 122.60	1.0000	1.0000
L9	72	CCI 6" x 1" Plate	121.33 - 122.60	1.0000	1.0000
L9	73	CCI 6" x 1" Plate	121.33 - 122.60	1.0000	1.0000
L10	2	Safety Line 3/8"	120.08 - 121.33	1.0000	1.0000
L10	3	Climbing Pegs	120.08 - 121.33	1.0000	1.0000
L10	5	LDF7-50A(1-5/8)	120.08 - 121.33	1.0000	1.0000
L10	6	FB-L98B-002-75000(3/8)	120.08 - 121.33	1.0000	1.0000
L10	7	WR-VG86ST-BRD(3/4)	120.08 - 121.33	1.0000	1.0000
L10	8	CONDUIT(2)	120.08 - 121.33	1.0000	1.0000
L10	9	CONDUIT(2)	120.08 - 121.33	1.0000	1.0000
L10	10	LDF7-50A(1-5/8)	120.08 - 121.33	1.0000	1.0000
L10	11	FB-L98B-002-75000(3/8)	120.08 - 121.33	1.0000	1.0000
L10	12	WR-VG86ST-BRD(3/4)	120.08 - 121.33	1.0000	1.0000
L10	17	HB158-21U6S24- xxM_TMO(1-5/8)	120.08 - 121.33	1.0000	1.0000
L10	21	561(1-5/8)	120.08 - 121.33	1.0000	1.0000
L10	71	CCI 6" x 1" Plate	120.08 - 121.33	1.0000	1.0000
L10	72	CCI 6" x 1" Plate	120.08 - 121.33	1.0000	1.0000
L10	73	CCI 6" x 1" Plate	120.08 - 121.33	1.0000	1.0000
L11	2	Safety Line 3/8"	119.83 - 120.08	1.0000	1.0000
L11	3	Climbing Pegs	119.83 - 120.08	1.0000	1.0000
L11	5	LDF7-50A(1-5/8)	119.83 - 120.08	1.0000	1.0000
L11	6	FB-L98B-002-75000(3/8)	119.83 - 120.08	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L11	7	WR-VG86ST-BRD(3/4)	119.83 - 120.08	1.0000	1.0000
L11	8	CONDUIT(2)	119.83 - 120.08	1.0000	1.0000
L11	9	CONDUIT(2)	119.83 - 120.08	1.0000	1.0000
L11	10	LDF7-50A(1-5/8)	119.83 - 120.08	1.0000	1.0000
L11	11	FB-L98B-002-75000(3/8)	119.83 - 120.08	1.0000	1.0000
L11	12	WR-VG86ST-BRD(3/4)	119.83 - 120.08	1.0000	1.0000
L11	17	HB158-21U6S24-xxM_TMO(1-5/8)	119.83 - 120.08	1.0000	1.0000
L11	21	561(1-5/8)	119.83 - 120.08	1.0000	1.0000
L11	71	CCI 6" x 1" Plate	119.83 - 120.08	1.0000	1.0000
L11	72	CCI 6" x 1" Plate	119.83 - 120.08	1.0000	1.0000
L11	73	CCI 6" x 1" Plate	119.83 - 120.08	1.0000	1.0000
L12	2	Safety Line 3/8"	117.50 - 119.83	1.0000	1.0000
L12	3	Climbing Pegs	117.50 - 119.83	1.0000	1.0000
L12	5	LDF7-50A(1-5/8)	117.50 - 119.83	1.0000	1.0000
L12	6	FB-L98B-002-75000(3/8)	117.50 - 119.83	1.0000	1.0000
L12	7	WR-VG86ST-BRD(3/4)	117.50 - 119.83	1.0000	1.0000
L12	8	CONDUIT(2)	117.50 - 119.83	1.0000	1.0000
L12	9	CONDUIT(2)	117.50 - 119.83	1.0000	1.0000
L12	10	LDF7-50A(1-5/8)	117.50 - 119.83	1.0000	1.0000
L12	11	FB-L98B-002-75000(3/8)	117.50 - 119.83	1.0000	1.0000
L12	12	WR-VG86ST-BRD(3/4)	117.50 - 119.83	1.0000	1.0000
L12	17	HB158-21U6S24-xxM_TMO(1-5/8)	117.50 - 119.83	1.0000	1.0000
L12	21	561(1-5/8)	117.50 - 119.83	1.0000	1.0000
L12	61	CCI 4.5" x 1" Plate	117.50 - 119.00	1.0000	1.0000
L12	71	CCI 6" x 1" Plate	117.50 - 119.83	1.0000	1.0000
L12	72	CCI 6" x 1" Plate	117.50 - 119.83	1.0000	1.0000
L12	73	CCI 6" x 1" Plate	117.50 - 119.83	1.0000	1.0000
L13	2	Safety Line 3/8"	117.25 - 117.50	1.0000	1.0000
L13	3	Climbing Pegs	117.25 - 117.50	1.0000	1.0000
L13	5	LDF7-50A(1-5/8)	117.25 - 117.50	1.0000	1.0000
L13	6	FB-L98B-002-75000(3/8)	117.25 - 117.50	1.0000	1.0000
L13	7	WR-VG86ST-BRD(3/4)	117.25 - 117.50	1.0000	1.0000
L13	8	CONDUIT(2)	117.25 - 117.50	1.0000	1.0000
L13	9	CONDUIT(2)	117.25 - 117.50	1.0000	1.0000
L13	10	LDF7-50A(1-5/8)	117.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
			117.50		
L13	11	FB-L98B-002-75000(3/8)	117.25 - 117.50	1.0000	1.0000
L13	12	WR-VG86ST-BRD(3/4)	117.25 - 117.50	1.0000	1.0000
L13	17	HB158-21U6S24-xxM_TMO(1-5/8)	117.25 - 117.50	1.0000	1.0000
L13	21	561(1-5/8)	117.25 - 117.50	1.0000	1.0000
L13	61	CCI 4.5" x 1" Plate	117.25 - 117.50	1.0000	1.0000
L13	71	CCI 6" x 1" Plate	117.25 - 117.50	1.0000	1.0000
L13	72	CCI 6" x 1" Plate	117.25 - 117.50	1.0000	1.0000
L13	73	CCI 6" x 1" Plate	117.25 - 117.50	1.0000	1.0000
L14	2	Safety Line 3/8"	115.50 - 117.25	1.0000	1.0000
L14	3	Climbing Pegs	115.50 - 117.25	1.0000	1.0000
L14	5	LDF7-50A(1-5/8)	115.50 - 117.25	1.0000	1.0000
L14	6	FB-L98B-002-75000(3/8)	115.50 - 117.25	1.0000	1.0000
L14	7	WR-VG86ST-BRD(3/4)	115.50 - 117.25	1.0000	1.0000
L14	8	CONDUIT(2)	115.50 - 117.25	1.0000	1.0000
L14	9	CONDUIT(2)	115.50 - 117.25	1.0000	1.0000
L14	10	LDF7-50A(1-5/8)	115.50 - 117.25	1.0000	1.0000
L14	11	FB-L98B-002-75000(3/8)	115.50 - 117.25	1.0000	1.0000
L14	12	WR-VG86ST-BRD(3/4)	115.50 - 117.25	1.0000	1.0000
L14	17	HB158-21U6S24-xxM_TMO(1-5/8)	115.50 - 117.25	1.0000	1.0000
L14	21	561(1-5/8)	115.50 - 117.25	1.0000	1.0000
L14	59	CCI 4.5" x 1" Plate	115.50 - 117.00	1.0000	1.0000
L14	60	CCI 4.5" x 1" Plate	115.50 - 117.00	1.0000	1.0000
L14	61	CCI 4.5" x 1" Plate	115.50 - 117.25	1.0000	1.0000
L14	71	CCI 6" x 1" Plate	115.50 - 117.25	1.0000	1.0000
L14	72	CCI 6" x 1" Plate	115.50 - 117.25	1.0000	1.0000
L14	73	CCI 6" x 1" Plate	115.50 - 117.25	1.0000	1.0000
L15	2	Safety Line 3/8"	115.25 - 115.50	1.0000	1.0000
L15	3	Climbing Pegs	115.25 - 115.50	1.0000	1.0000
L15	5	LDF7-50A(1-5/8)	115.25 - 115.50	1.0000	1.0000
L15	6	FB-L98B-002-75000(3/8)	115.25 - 115.50	1.0000	1.0000
L15	7	WR-VG86ST-BRD(3/4)	115.25 - 115.50	1.0000	1.0000
L15	8	CONDUIT(2)	115.25 - 115.50	1.0000	1.0000
L15	9	CONDUIT(2)	115.25 - 115.50	1.0000	1.0000
L15	10	LDF7-50A(1-5/8)	115.25 - 115.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L15	11	FB-L98B-002-75000(3/8)	115.25 - 115.50	1.0000	1.0000
L15	12	WR-VG86ST-BRD(3/4)	115.25 - 115.50	1.0000	1.0000
L15	17	HB158-21U6S24-xxM_TMO(1-5/8)	115.25 - 115.50	1.0000	1.0000
L15	21	561(1-5/8)	115.25 - 115.50	1.0000	1.0000
L15	59	CCI 4.5" x 1" Plate	115.25 - 115.50	1.0000	1.0000
L15	60	CCI 4.5" x 1" Plate	115.25 - 115.50	1.0000	1.0000
L15	61	CCI 4.5" x 1" Plate	115.25 - 115.50	1.0000	1.0000
L15	71	CCI 6" x 1" Plate	115.25 - 115.50	1.0000	1.0000
L15	72	CCI 6" x 1" Plate	115.25 - 115.50	1.0000	1.0000
L15	73	CCI 6" x 1" Plate	115.25 - 115.50	1.0000	1.0000
L16	2	Safety Line 3/8"	110.25 - 115.25	1.0000	1.0000
L16	3	Climbing Pegs	110.25 - 115.25	1.0000	1.0000
L16	5	LDF7-50A(1-5/8)	110.25 - 115.25	1.0000	1.0000
L16	6	FB-L98B-002-75000(3/8)	110.25 - 115.25	1.0000	1.0000
L16	7	WR-VG86ST-BRD(3/4)	110.25 - 115.25	1.0000	1.0000
L16	8	CONDUIT(2)	110.25 - 115.25	1.0000	1.0000
L16	9	CONDUIT(2)	110.25 - 115.25	1.0000	1.0000
L16	10	LDF7-50A(1-5/8)	110.25 - 115.25	1.0000	1.0000
L16	11	FB-L98B-002-75000(3/8)	110.25 - 115.25	1.0000	1.0000
L16	12	WR-VG86ST-BRD(3/4)	110.25 - 115.25	1.0000	1.0000
L16	17	HB158-21U6S24-xxM_TMO(1-5/8)	110.25 - 115.25	1.0000	1.0000
L16	21	561(1-5/8)	110.25 - 115.25	1.0000	1.0000
L16	25	CU12PSM9P6XXX(1-1/2)	110.25 - 114.00	1.0000	1.0000
L16	59	CCI 4.5" x 1" Plate	110.25 - 115.25	1.0000	1.0000
L16	60	CCI 4.5" x 1" Plate	110.25 - 115.25	1.0000	1.0000
L16	61	CCI 4.5" x 1" Plate	110.25 - 115.25	1.0000	1.0000
L16	71	CCI 6" x 1" Plate	110.25 - 115.25	1.0000	1.0000
L16	72	CCI 6" x 1" Plate	110.25 - 115.25	1.0000	1.0000
L16	73	CCI 6" x 1" Plate	110.25 - 115.25	1.0000	1.0000
L17	2	Safety Line 3/8"	104.08 - 110.25	1.0000	1.0000
L17	3	Climbing Pegs	104.08 - 110.25	1.0000	1.0000
L17	5	LDF7-50A(1-5/8)	104.08 - 110.25	1.0000	1.0000
L17	6	FB-L98B-002-75000(3/8)	104.08 - 110.25	1.0000	1.0000
L17	7	WR-VG86ST-BRD(3/4)	104.08 - 110.25	1.0000	1.0000
L17	8	CONDUIT(2)	104.08 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L17	9	CONDUIT(2)	110.25 104.08 - 110.25	1.0000	1.0000
L17	10	LDF7-50A(1-5/8)	104.08 - 110.25	1.0000	1.0000
L17	11	FB-L98B-002-75000(3/8)	104.08 - 110.25	1.0000	1.0000
L17	12	WR-VG86ST-BRD(3/4)	104.08 - 110.25	1.0000	1.0000
L17	17	HB158-21U6S24-xxM_TMO(1-5/8)	104.08 - 110.25	1.0000	1.0000
L17	21	561(1-5/8)	104.08 - 110.25	1.0000	1.0000
L17	25	CU12PSM9P6XXX(1-1/2)	104.08 - 110.25	1.0000	1.0000
L17	59	CCI 4.5" x 1" Plate	104.08 - 110.25	1.0000	1.0000
L17	60	CCI 4.5" x 1" Plate	104.08 - 110.25	1.0000	1.0000
L17	61	CCI 4.5" x 1" Plate	104.08 - 110.25	1.0000	1.0000
L17	71	CCI 6" x 1" Plate	104.08 - 110.25	1.0000	1.0000
L17	72	CCI 6" x 1" Plate	104.08 - 110.25	1.0000	1.0000
L17	73	CCI 6" x 1" Plate	104.08 - 110.25	1.0000	1.0000
L18	2	Safety Line 3/8"	102.82 - 104.08	1.0000	1.0000
L18	3	Climbing Pegs	102.82 - 104.08	1.0000	1.0000
L18	5	LDF7-50A(1-5/8)	102.82 - 104.08	1.0000	1.0000
L18	6	FB-L98B-002-75000(3/8)	102.82 - 104.08	1.0000	1.0000
L18	7	WR-VG86ST-BRD(3/4)	102.82 - 104.08	1.0000	1.0000
L18	8	CONDUIT(2)	102.82 - 104.08	1.0000	1.0000
L18	9	CONDUIT(2)	102.82 - 104.08	1.0000	1.0000
L18	10	LDF7-50A(1-5/8)	102.82 - 104.08	1.0000	1.0000
L18	11	FB-L98B-002-75000(3/8)	102.82 - 104.08	1.0000	1.0000
L18	12	WR-VG86ST-BRD(3/4)	102.82 - 104.08	1.0000	1.0000
L18	17	HB158-21U6S24-xxM_TMO(1-5/8)	102.82 - 104.08	1.0000	1.0000
L18	21	561(1-5/8)	102.82 - 104.08	1.0000	1.0000
L18	25	CU12PSM9P6XXX(1-1/2)	102.82 - 104.08	1.0000	1.0000
L18	59	CCI 4.5" x 1" Plate	102.82 - 104.08	1.0000	1.0000
L18	60	CCI 4.5" x 1" Plate	102.82 - 104.08	1.0000	1.0000
L18	61	CCI 4.5" x 1" Plate	102.82 - 104.08	1.0000	1.0000
L18	71	CCI 6" x 1" Plate	102.82 - 104.08	1.0000	1.0000
L18	72	CCI 6" x 1" Plate	102.82 - 104.08	1.0000	1.0000
L18	73	CCI 6" x 1" Plate	102.82 - 104.08	1.0000	1.0000
L19	2	Safety Line 3/8"	100.50 - 102.82	1.0000	1.0000
L19	3	Climbing Pegs	100.50 - 102.82	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L19	5	LDF7-50A(1-5/8)	100.50 - 102.82	1.0000	1.0000
L19	6	FB-L98B-002-75000(3/8)	100.50 - 102.82	1.0000	1.0000
L19	7	WR-VG86ST-BRD(3/4)	100.50 - 102.82	1.0000	1.0000
L19	8	CONDUIT(2)	100.50 - 102.82	1.0000	1.0000
L19	9	CONDUIT(2)	100.50 - 102.82	1.0000	1.0000
L19	10	LDF7-50A(1-5/8)	100.50 - 102.82	1.0000	1.0000
L19	11	FB-L98B-002-75000(3/8)	100.50 - 102.82	1.0000	1.0000
L19	12	WR-VG86ST-BRD(3/4)	100.50 - 102.82	1.0000	1.0000
L19	17	HB158-21U6S24-xxM_TMO(1-5/8)	100.50 - 102.82	1.0000	1.0000
L19	21	561(1-5/8)	100.50 - 102.82	1.0000	1.0000
L19	25	CU12PSM9P6XXX(1-1/2)	100.50 - 102.82	1.0000	1.0000
L19	59	CCI 4.5" x 1" Plate	100.50 - 102.82	1.0000	1.0000
L19	60	CCI 4.5" x 1" Plate	100.50 - 102.82	1.0000	1.0000
L19	61	CCI 4.5" x 1" Plate	100.50 - 102.82	1.0000	1.0000
L19	71	CCI 6" x 1" Plate	100.50 - 102.82	1.0000	1.0000
L19	72	CCI 6" x 1" Plate	100.50 - 102.82	1.0000	1.0000
L19	73	CCI 6" x 1" Plate	100.60 - 102.82	1.0000	1.0000
L20	2	Safety Line 3/8"	100.25 - 100.50	1.0000	1.0000
L20	3	Climbing Pegs	100.25 - 100.50	1.0000	1.0000
L20	5	LDF7-50A(1-5/8)	100.25 - 100.50	1.0000	1.0000
L20	6	FB-L98B-002-75000(3/8)	100.25 - 100.50	1.0000	1.0000
L20	7	WR-VG86ST-BRD(3/4)	100.25 - 100.50	1.0000	1.0000
L20	8	CONDUIT(2)	100.25 - 100.50	1.0000	1.0000
L20	9	CONDUIT(2)	100.25 - 100.50	1.0000	1.0000
L20	10	LDF7-50A(1-5/8)	100.25 - 100.50	1.0000	1.0000
L20	11	FB-L98B-002-75000(3/8)	100.25 - 100.50	1.0000	1.0000
L20	12	WR-VG86ST-BRD(3/4)	100.25 - 100.50	1.0000	1.0000
L20	17	HB158-21U6S24-xxM_TMO(1-5/8)	100.25 - 100.50	1.0000	1.0000
L20	21	561(1-5/8)	100.25 - 100.50	1.0000	1.0000
L20	25	CU12PSM9P6XXX(1-1/2)	100.25 - 100.50	1.0000	1.0000
L20	45	CCI 6" x 1" Plate	100.25 - 100.50	1.0000	1.0000
L20	46	CCI 6" x 1" Plate	100.25 - 100.50	1.0000	1.0000
L20	47	CCI 6" x 1" Plate	100.25 - 100.50	1.0000	1.0000
L20	59	CCI 4.5" x 1" Plate	100.25 - 100.50	1.0000	1.0000
L20	60	CCI 4.5" x 1" Plate	100.25 - 100.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L20	61	CCI 4.5" x 1" Plate	100.50 100.25 - 100.50	1.0000	1.0000
L20	71	CCI 6" x 1" Plate	100.25 - 100.50	1.0000	1.0000
L20	72	CCI 6" x 1" Plate	100.25 - 100.50	1.0000	1.0000
L21	2	Safety Line 3/8"	98.50 - 100.25	1.0000	1.0000
L21	3	Climbing Pegs	98.50 - 100.25	1.0000	1.0000
L21	5	LDF7-50A(1-5/8)	98.50 - 100.25	1.0000	1.0000
L21	6	FB-L98B-002-75000(3/8)	98.50 - 100.25	1.0000	1.0000
L21	7	WR-VG86ST-BRD(3/4)	98.50 - 100.25	1.0000	1.0000
L21	8	CONDUIT(2)	98.50 - 100.25	1.0000	1.0000
L21	9	CONDUIT(2)	98.50 - 100.25	1.0000	1.0000
L21	10	LDF7-50A(1-5/8)	98.50 - 100.25	1.0000	1.0000
L21	11	FB-L98B-002-75000(3/8)	98.50 - 100.25	1.0000	1.0000
L21	12	WR-VG86ST-BRD(3/4)	98.50 - 100.25	1.0000	1.0000
L21	17	HB158-21U6S24-xxM_TMO(1-5/8)	98.50 - 100.25	1.0000	1.0000
L21	21	561(1-5/8)	98.50 - 100.25	1.0000	1.0000
L21	25	CU12PSM9P6XXX(1-1/2)	98.50 - 100.25	1.0000	1.0000
L21	45	CCI 6" x 1" Plate	98.50 - 100.25	1.0000	1.0000
L21	46	CCI 6" x 1" Plate	98.50 - 100.25	1.0000	1.0000
L21	47	CCI 6" x 1" Plate	98.50 - 100.25	1.0000	1.0000
L21	59	CCI 4.5" x 1" Plate	98.50 - 100.25	1.0000	1.0000
L21	60	CCI 4.5" x 1" Plate	98.50 - 100.25	1.0000	1.0000
L21	61	CCI 4.5" x 1" Plate	99.00 - 100.25	1.0000	1.0000
L21	71	CCI 6" x 1" Plate	98.50 - 100.25	1.0000	1.0000
L21	72	CCI 6" x 1" Plate	98.50 - 100.25	1.0000	1.0000
L22	2	Safety Line 3/8"	98.25 - 98.50	1.0000	1.0000
L22	3	Climbing Pegs	98.25 - 98.50	1.0000	1.0000
L22	5	LDF7-50A(1-5/8)	98.25 - 98.50	1.0000	1.0000
L22	6	FB-L98B-002-75000(3/8)	98.25 - 98.50	1.0000	1.0000
L22	7	WR-VG86ST-BRD(3/4)	98.25 - 98.50	1.0000	1.0000
L22	8	CONDUIT(2)	98.25 - 98.50	1.0000	1.0000
L22	9	CONDUIT(2)	98.25 - 98.50	1.0000	1.0000
L22	10	LDF7-50A(1-5/8)	98.25 - 98.50	1.0000	1.0000
L22	11	FB-L98B-002-75000(3/8)	98.25 - 98.50	1.0000	1.0000
L22	12	WR-VG86ST-BRD(3/4)	98.25 - 98.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L22	17	HB158-21U6S24-xxM_TMO(1-5/8)	98.25 - 98.50	1.0000	1.0000
L22	21	561(1-5/8)	98.25 - 98.50	1.0000	1.0000
L22	25	CU12PSM9P6XXX(1-1/2)	98.25 - 98.50	1.0000	1.0000
L22	45	CCI 6" x 1" Plate	98.25 - 98.50	1.0000	1.0000
L22	46	CCI 6" x 1" Plate	98.25 - 98.50	1.0000	1.0000
L22	47	CCI 6" x 1" Plate	98.25 - 98.50	1.0000	1.0000
L22	59	CCI 4.5" x 1" Plate	98.25 - 98.50	1.0000	1.0000
L22	60	CCI 4.5" x 1" Plate	98.25 - 98.50	1.0000	1.0000
L22	71	CCI 6" x 1" Plate	98.25 - 98.50	1.0000	1.0000
L22	72	CCI 6" x 1" Plate	98.25 - 98.50	1.0000	1.0000
L23	2	Safety Line 3/8"	93.25 - 98.25	1.0000	1.0000
L23	3	Climbing Pegs	93.25 - 98.25	1.0000	1.0000
L23	5	LDF7-50A(1-5/8)	93.25 - 98.25	1.0000	1.0000
L23	6	FB-L98B-002-75000(3/8)	93.25 - 98.25	1.0000	1.0000
L23	7	WR-VG86ST-BRD(3/4)	93.25 - 98.25	1.0000	1.0000
L23	8	CONDUIT(2)	93.25 - 98.25	1.0000	1.0000
L23	9	CONDUIT(2)	93.25 - 98.25	1.0000	1.0000
L23	10	LDF7-50A(1-5/8)	93.25 - 98.25	1.0000	1.0000
L23	11	FB-L98B-002-75000(3/8)	93.25 - 98.25	1.0000	1.0000
L23	12	WR-VG86ST-BRD(3/4)	93.25 - 98.25	1.0000	1.0000
L23	17	HB158-21U6S24-xxM_TMO(1-5/8)	93.25 - 98.25	1.0000	1.0000
L23	21	561(1-5/8)	93.25 - 98.25	1.0000	1.0000
L23	25	CU12PSM9P6XXX(1-1/2)	93.25 - 98.25	1.0000	1.0000
L23	45	CCI 6" x 1" Plate	93.25 - 98.25	1.0000	1.0000
L23	46	CCI 6" x 1" Plate	93.25 - 98.25	1.0000	1.0000
L23	47	CCI 6" x 1" Plate	93.25 - 98.25	1.0000	1.0000
L23	59	CCI 4.5" x 1" Plate	97.00 - 98.25	1.0000	1.0000
L23	60	CCI 4.5" x 1" Plate	97.00 - 98.25	1.0000	1.0000
L23	71	CCI 6" x 1" Plate	93.25 - 98.25	1.0000	1.0000
L23	72	CCI 6" x 1" Plate	93.25 - 98.25	1.0000	1.0000
L24	2	Safety Line 3/8"	90.50 - 93.25	1.0000	1.0000
L24	3	Climbing Pegs	90.50 - 93.25	1.0000	1.0000
L24	5	LDF7-50A(1-5/8)	90.50 - 93.25	1.0000	1.0000
L24	6	FB-L98B-002-75000(3/8)	90.50 - 93.25	1.0000	1.0000
L24	7	WR-VG86ST-BRD(3/4)	90.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L24	8	CONDUIT(2)	93.25 90.50 -	1.0000	1.0000
L24	9	CONDUIT(2)	93.25 90.50 -	1.0000	1.0000
L24	10	LDF7-50A(1-5/8)	93.25 90.50 -	1.0000	1.0000
L24	11	FB-L98B-002-75000(3/8)	93.25 90.50 -	1.0000	1.0000
L24	12	WR-VG86ST-BRD(3/4)	93.25 90.50 -	1.0000	1.0000
L24	17	HB158-21U6S24- xxM_TMO(1-5/8)	93.25 90.50 -	1.0000	1.0000
L24	21	561(1-5/8)	93.25 90.50 -	1.0000	1.0000
L24	25	CU12PSM9P6XXX(1-1/2)	93.25 90.50 -	1.0000	1.0000
L24	45	CCI 6" x 1" Plate	93.25 90.50 -	1.0000	1.0000
L24	46	CCI 6" x 1" Plate	93.25 90.50 -	1.0000	1.0000
L24	47	CCI 6" x 1" Plate	93.25 90.50 -	1.0000	1.0000
L24	71	CCI 6" x 1" Plate	93.25 90.60 -	1.0000	1.0000
L24	72	CCI 6" x 1" Plate	93.25 90.60 -	1.0000	1.0000
L25	2	Safety Line 3/8"	93.25 90.25 -	1.0000	1.0000
L25	3	Climbing Pegs	90.50 90.25 -	1.0000	1.0000
L25	5	LDF7-50A(1-5/8)	90.50 90.25 -	1.0000	1.0000
L25	6	FB-L98B-002-75000(3/8)	90.50 90.25 -	1.0000	1.0000
L25	7	WR-VG86ST-BRD(3/4)	90.50 90.25 -	1.0000	1.0000
L25	8	CONDUIT(2)	90.50 90.25 -	1.0000	1.0000
L25	9	CONDUIT(2)	90.50 90.25 -	1.0000	1.0000
L25	10	LDF7-50A(1-5/8)	90.50 90.25 -	1.0000	1.0000
L25	11	FB-L98B-002-75000(3/8)	90.50 90.25 -	1.0000	1.0000
L25	12	WR-VG86ST-BRD(3/4)	90.50 90.25 -	1.0000	1.0000
L25	17	HB158-21U6S24- xxM_TMO(1-5/8)	90.50 90.25 -	1.0000	1.0000
L25	21	561(1-5/8)	90.50 90.25 -	1.0000	1.0000
L25	25	CU12PSM9P6XXX(1-1/2)	90.50 90.25 -	1.0000	1.0000
L25	45	CCI 6" x 1" Plate	90.50 90.25 -	1.0000	1.0000
L25	46	CCI 6" x 1" Plate	90.50 90.25 -	1.0000	1.0000
L25	47	CCI 6" x 1" Plate	90.50 90.25 -	1.0000	1.0000
L25	69	CCI 8.5" x 1.25" Plate	90.50 90.25 -	1.0000	1.0000
L25	70	CCI 8.5" x 1.25" Plate	90.50 90.25 -	1.0000	1.0000
L26	2	Safety Line 3/8"	90.50 85.25 -	1.0000	1.0000
L26	3	Climbing Pegs	90.25 85.25 -	1.0000	1.0000
L26	5	LDF7-50A(1-5/8)	90.25 85.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L26	6	FB-L98B-002-75000(3/8)	85.25 - 90.25	1.0000	1.0000
L26	7	WR-VG86ST-BRD(3/4)	85.25 - 90.25	1.0000	1.0000
L26	8	CONDUIT(2)	85.25 - 90.25	1.0000	1.0000
L26	9	CONDUIT(2)	85.25 - 90.25	1.0000	1.0000
L26	10	LDF7-50A(1-5/8)	85.25 - 90.25	1.0000	1.0000
L26	11	FB-L98B-002-75000(3/8)	85.25 - 90.25	1.0000	1.0000
L26	12	WR-VG86ST-BRD(3/4)	85.25 - 90.25	1.0000	1.0000
L26	17	HB158-21U6S24-xxM_TMO(1-5/8)	85.25 - 90.25	1.0000	1.0000
L26	21	561(1-5/8)	85.25 - 90.25	1.0000	1.0000
L26	25	CU12PSM9P6XXX(1-1/2)	85.25 - 90.25	1.0000	1.0000
L26	45	CCI 6" x 1" Plate	85.25 - 90.25	1.0000	1.0000
L26	46	CCI 6" x 1" Plate	85.25 - 90.25	1.0000	1.0000
L26	47	CCI 6" x 1" Plate	85.25 - 90.25	1.0000	1.0000
L26	55	CCI 6.5" x 1.25" Plate	85.25 - 85.50	1.0000	1.0000
L26	56	CCI 6.5" x 1.25" Plate	85.25 - 85.50	1.0000	1.0000
L26	57	CCI 6.5" x 1.25" Plate	85.25 - 85.50	1.0000	1.0000
L26	69	CCI 8.5" x 1.25" Plate	85.25 - 90.25	1.0000	1.0000
L26	70	CCI 8.5" x 1.25" Plate	85.25 - 90.25	1.0000	1.0000
L27	2	Safety Line 3/8"	83.50 - 85.25	1.0000	1.0000
L27	3	Climbing Pegs	83.50 - 85.25	1.0000	1.0000
L27	5	LDF7-50A(1-5/8)	83.50 - 85.25	1.0000	1.0000
L27	6	FB-L98B-002-75000(3/8)	83.50 - 85.25	1.0000	1.0000
L27	7	WR-VG86ST-BRD(3/4)	83.50 - 85.25	1.0000	1.0000
L27	8	CONDUIT(2)	83.50 - 85.25	1.0000	1.0000
L27	9	CONDUIT(2)	83.50 - 85.25	1.0000	1.0000
L27	10	LDF7-50A(1-5/8)	83.50 - 85.25	1.0000	1.0000
L27	11	FB-L98B-002-75000(3/8)	83.50 - 85.25	1.0000	1.0000
L27	12	WR-VG86ST-BRD(3/4)	83.50 - 85.25	1.0000	1.0000
L27	17	HB158-21U6S24-xxM_TMO(1-5/8)	83.50 - 85.25	1.0000	1.0000
L27	21	561(1-5/8)	83.50 - 85.25	1.0000	1.0000
L27	25	CU12PSM9P6XXX(1-1/2)	83.50 - 85.25	1.0000	1.0000
L27	45	CCI 6" x 1" Plate	83.50 - 85.25	1.0000	1.0000
L27	46	CCI 6" x 1" Plate	83.50 - 85.25	1.0000	1.0000
L27	47	CCI 6" x 1" Plate	83.50 - 85.25	1.0000	1.0000
L27	55	CCI 6.5" x 1.25" Plate	83.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L27	56	CCI 6.5" x 1.25" Plate	85.25 83.50 -	1.0000	1.0000
L27	57	CCI 6.5" x 1.25" Plate	85.25 83.50 -	1.0000	1.0000
L27	65	CCI 8.5" x 1.25" Plate	85.25 83.50 -	1.0000	1.0000
L27	69	CCI 8.5" x 1.25" Plate	85.00 83.50 -	1.0000	1.0000
L27	70	CCI 8.5" x 1.25" Plate	85.25 83.50 -	1.0000	1.0000
L28	2	Safety Line 3/8"	85.25 83.25 -	1.0000	1.0000
L28	3	Climbing Pegs	83.50 83.25 -	1.0000	1.0000
L28	5	LDF7-50A(1-5/8)	83.50 83.25 -	1.0000	1.0000
L28	6	FB-L98B-002-75000(3/8)	83.50 83.25 -	1.0000	1.0000
L28	7	WR-VG86ST-BRD(3/4)	83.50 83.25 -	1.0000	1.0000
L28	8	CONDUIT(2)	83.50 83.25 -	1.0000	1.0000
L28	9	CONDUIT(2)	83.50 83.25 -	1.0000	1.0000
L28	10	LDF7-50A(1-5/8)	83.50 83.25 -	1.0000	1.0000
L28	11	FB-L98B-002-75000(3/8)	83.50 83.25 -	1.0000	1.0000
L28	12	WR-VG86ST-BRD(3/4)	83.50 83.25 -	1.0000	1.0000
L28	17	HB158-21U6S24-xxM_TMO(1-5/8)	83.50 83.25 -	1.0000	1.0000
L28	21	561(1-5/8)	83.50 83.25 -	1.0000	1.0000
L28	25	CU12PSM9P6XXX(1-1/2)	83.50 83.25 -	1.0000	1.0000
L28	45	CCI 6" x 1" Plate	83.50 83.25 -	1.0000	1.0000
L28	46	CCI 6" x 1" Plate	83.50 83.25 -	1.0000	1.0000
L28	47	CCI 6" x 1" Plate	83.50 83.25 -	1.0000	1.0000
L28	55	CCI 6.5" x 1.25" Plate	83.50 83.25 -	1.0000	1.0000
L28	56	CCI 6.5" x 1.25" Plate	83.50 83.25 -	1.0000	1.0000
L28	57	CCI 6.5" x 1.25" Plate	83.50 83.25 -	1.0000	1.0000
L28	65	CCI 8.5" x 1.25" Plate	83.50 83.25 -	1.0000	1.0000
L28	69	CCI 8.5" x 1.25" Plate	83.50 83.25 -	1.0000	1.0000
L28	70	CCI 8.5" x 1.25" Plate	83.50 83.25 -	1.0000	1.0000
L29	2	Safety Line 3/8"	83.50 80.75 -	1.0000	1.0000
L29	3	Climbing Pegs	83.25 80.75 -	1.0000	1.0000
L29	5	LDF7-50A(1-5/8)	83.25 80.75 -	1.0000	1.0000
L29	6	FB-L98B-002-75000(3/8)	83.25 80.75 -	1.0000	1.0000
L29	7	WR-VG86ST-BRD(3/4)	83.25 80.75 -	1.0000	1.0000
L29	8	CONDUIT(2)	83.25 80.75 -	1.0000	1.0000
L29	9	CONDUIT(2)	83.25 80.75 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L29	10	LDF7-50A(1-5/8)	80.75 - 83.25	1.0000	1.0000
L29	11	FB-L98B-002-75000(3/8)	80.75 - 83.25	1.0000	1.0000
L29	12	WR-VG86ST-BRD(3/4)	80.75 - 83.25	1.0000	1.0000
L29	17	HB158-21U6S24-xxM_TMO(1-5/8)	80.75 - 83.25	1.0000	1.0000
L29	21	561(1-5/8)	80.75 - 83.25	1.0000	1.0000
L29	25	CU12PSM9P6XXX(1-1/2)	80.75 - 83.25	1.0000	1.0000
L29	45	CCI 6" x 1" Plate	80.75 - 83.25	1.0000	1.0000
L29	46	CCI 6" x 1" Plate	80.75 - 83.25	1.0000	1.0000
L29	47	CCI 6" x 1" Plate	80.75 - 83.25	1.0000	1.0000
L29	55	CCI 6.5" x 1.25" Plate	80.75 - 83.25	1.0000	1.0000
L29	56	CCI 6.5" x 1.25" Plate	80.75 - 83.25	1.0000	1.0000
L29	57	CCI 6.5" x 1.25" Plate	80.75 - 83.25	1.0000	1.0000
L29	65	CCI 8.5" x 1.25" Plate	80.75 - 83.25	1.0000	1.0000
L29	69	CCI 8.5" x 1.25" Plate	80.75 - 83.25	1.0000	1.0000
L29	70	CCI 8.5" x 1.25" Plate	80.75 - 83.25	1.0000	1.0000
L30	2	Safety Line 3/8"	80.50 - 80.75	1.0000	1.0000
L30	3	Climbing Pegs	80.50 - 80.75	1.0000	1.0000
L30	5	LDF7-50A(1-5/8)	80.50 - 80.75	1.0000	1.0000
L30	6	FB-L98B-002-75000(3/8)	80.50 - 80.75	1.0000	1.0000
L30	7	WR-VG86ST-BRD(3/4)	80.50 - 80.75	1.0000	1.0000
L30	8	CONDUIT(2)	80.50 - 80.75	1.0000	1.0000
L30	9	CONDUIT(2)	80.50 - 80.75	1.0000	1.0000
L30	10	LDF7-50A(1-5/8)	80.50 - 80.75	1.0000	1.0000
L30	11	FB-L98B-002-75000(3/8)	80.50 - 80.75	1.0000	1.0000
L30	12	WR-VG86ST-BRD(3/4)	80.50 - 80.75	1.0000	1.0000
L30	17	HB158-21U6S24-xxM_TMO(1-5/8)	80.50 - 80.75	1.0000	1.0000
L30	21	561(1-5/8)	80.50 - 80.75	1.0000	1.0000
L30	25	CU12PSM9P6XXX(1-1/2)	80.50 - 80.75	1.0000	1.0000
L30	45	CCI 6" x 1" Plate	80.50 - 80.75	1.0000	1.0000
L30	46	CCI 6" x 1" Plate	80.50 - 80.75	1.0000	1.0000
L30	47	CCI 6" x 1" Plate	80.50 - 80.75	1.0000	1.0000
L30	55	CCI 6.5" x 1.25" Plate	80.50 - 80.75	1.0000	1.0000
L30	56	CCI 6.5" x 1.25" Plate	80.50 - 80.75	1.0000	1.0000
L30	57	CCI 6.5" x 1.25" Plate	80.50 - 80.75	1.0000	1.0000
L30	65	CCI 8.5" x 1.25" Plate	80.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L30	69	CCI 8.5" x 1.25" Plate	80.75 80.50 -	1.0000	1.0000
L30	70	CCI 8.5" x 1.25" Plate	80.75 80.50 -	1.0000	1.0000
L31	2	Safety Line 3/8"	80.75 80.25 -	1.0000	1.0000
L31	3	Climbing Pegs	80.50 80.25 -	1.0000	1.0000
L31	5	LDF7-50A(1-5/8)	80.50 80.25 -	1.0000	1.0000
L31	6	FB-L98B-002-75000(3/8)	80.50 80.25 -	1.0000	1.0000
L31	7	WR-VG86ST-BRD(3/4)	80.50 80.25 -	1.0000	1.0000
L31	8	CONDUIT(2)	80.50 80.25 -	1.0000	1.0000
L31	9	CONDUIT(2)	80.50 80.25 -	1.0000	1.0000
L31	10	LDF7-50A(1-5/8)	80.50 80.25 -	1.0000	1.0000
L31	11	FB-L98B-002-75000(3/8)	80.50 80.25 -	1.0000	1.0000
L31	12	WR-VG86ST-BRD(3/4)	80.50 80.25 -	1.0000	1.0000
L31	17	HB158-21U6S24- xxM_TMO(1-5/8)	80.50 80.25 -	1.0000	1.0000
L31	21	561(1-5/8)	80.50 80.25 -	1.0000	1.0000
L31	25	CU12PSM9P6XXX(1-1/2)	80.50 80.25 -	1.0000	1.0000
L31	45	CCI 6" x 1" Plate	80.50 80.25 -	1.0000	1.0000
L31	46	CCI 6" x 1" Plate	80.50 80.25 -	1.0000	1.0000
L31	47	CCI 6" x 1" Plate	80.50 80.25 -	1.0000	1.0000
L31	55	CCI 6.5" x 1.25" Plate	80.50 80.25 -	1.0000	1.0000
L31	56	CCI 6.5" x 1.25" Plate	80.50 80.25 -	1.0000	1.0000
L31	57	CCI 6.5" x 1.25" Plate	80.50 80.25 -	1.0000	1.0000
L31	65	CCI 8.5" x 1.25" Plate	80.50 80.25 -	1.0000	1.0000
L31	69	CCI 8.5" x 1.25" Plate	80.50 80.25 -	1.0000	1.0000
L31	70	CCI 8.5" x 1.25" Plate	80.50 80.25 -	1.0000	1.0000
L32	2	Safety Line 3/8"	80.50 77.50 -	1.0000	1.0000
L32	3	Climbing Pegs	80.25 77.50 -	1.0000	1.0000
L32	5	LDF7-50A(1-5/8)	80.25 77.50 -	1.0000	1.0000
L32	6	FB-L98B-002-75000(3/8)	80.25 77.50 -	1.0000	1.0000
L32	7	WR-VG86ST-BRD(3/4)	80.25 77.50 -	1.0000	1.0000
L32	8	CONDUIT(2)	80.25 77.50 -	1.0000	1.0000
L32	9	CONDUIT(2)	80.25 77.50 -	1.0000	1.0000
L32	10	LDF7-50A(1-5/8)	80.25 77.50 -	1.0000	1.0000
L32	11	FB-L98B-002-75000(3/8)	80.25 77.50 -	1.0000	1.0000
L32	12	WR-VG86ST-BRD(3/4)	80.25 77.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L32	17	HB158-21U6S24-xxM_TMO(1-5/8)	77.50 - 80.25	1.0000	1.0000
L32	21	561(1-5/8)	77.50 - 80.25	1.0000	1.0000
L32	25	CU12PSM9P6XXX(1-1/2)	77.50 - 80.25	1.0000	1.0000
L32	45	CCI 6" x 1" Plate	77.50 - 80.25	1.0000	1.0000
L32	46	CCI 6" x 1" Plate	77.50 - 80.25	1.0000	1.0000
L32	47	CCI 6" x 1" Plate	77.50 - 80.25	1.0000	1.0000
L32	55	CCI 6.5" x 1.25" Plate	77.50 - 80.25	1.0000	1.0000
L32	56	CCI 6.5" x 1.25" Plate	77.50 - 80.25	1.0000	1.0000
L32	57	CCI 6.5" x 1.25" Plate	77.50 - 80.25	1.0000	1.0000
L32	65	CCI 8.5" x 1.25" Plate	77.50 - 80.25	1.0000	1.0000
L32	69	CCI 8.5" x 1.25" Plate	77.50 - 80.25	1.0000	1.0000
L32	70	CCI 8.5" x 1.25" Plate	77.50 - 80.25	1.0000	1.0000
L33	2	Safety Line 3/8"	77.25 - 77.50	1.0000	1.0000
L33	3	Climbing Pegs	77.25 - 77.50	1.0000	1.0000
L33	5	LDF7-50A(1-5/8)	77.25 - 77.50	1.0000	1.0000
L33	6	FB-L98B-002-75000(3/8)	77.25 - 77.50	1.0000	1.0000
L33	7	WR-VG86ST-BRD(3/4)	77.25 - 77.50	1.0000	1.0000
L33	8	CONDUIT(2)	77.25 - 77.50	1.0000	1.0000
L33	9	CONDUIT(2)	77.25 - 77.50	1.0000	1.0000
L33	10	LDF7-50A(1-5/8)	77.25 - 77.50	1.0000	1.0000
L33	11	FB-L98B-002-75000(3/8)	77.25 - 77.50	1.0000	1.0000
L33	12	WR-VG86ST-BRD(3/4)	77.25 - 77.50	1.0000	1.0000
L33	17	HB158-21U6S24-xxM_TMO(1-5/8)	77.25 - 77.50	1.0000	1.0000
L33	21	561(1-5/8)	77.25 - 77.50	1.0000	1.0000
L33	25	CU12PSM9P6XXX(1-1/2)	77.25 - 77.50	1.0000	1.0000
L33	45	CCI 6" x 1" Plate	77.25 - 77.50	1.0000	1.0000
L33	46	CCI 6" x 1" Plate	77.25 - 77.50	1.0000	1.0000
L33	47	CCI 6" x 1" Plate	77.25 - 77.50	1.0000	1.0000
L33	55	CCI 6.5" x 1.25" Plate	77.25 - 77.50	1.0000	1.0000
L33	56	CCI 6.5" x 1.25" Plate	77.25 - 77.50	1.0000	1.0000
L33	57	CCI 6.5" x 1.25" Plate	77.25 - 77.50	1.0000	1.0000
L33	65	CCI 8.5" x 1.25" Plate	77.25 - 77.50	1.0000	1.0000
L33	69	CCI 8.5" x 1.25" Plate	77.25 - 77.50	1.0000	1.0000
L33	70	CCI 8.5" x 1.25" Plate	77.25 - 77.50	1.0000	1.0000
L34	2	Safety Line 3/8"	68.82 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
			77.25		
L34	3	Climbing Pegs	68.82 -	1.0000	1.0000
			77.25		
L34	5	LDF7-50A(1-5/8)	68.82 -	1.0000	1.0000
			77.25		
L34	6	FB-L98B-002-75000(3/8)	68.82 -	1.0000	1.0000
			77.25		
L34	7	WR-VG86ST-BRD(3/4)	68.82 -	1.0000	1.0000
			77.25		
L34	8	CONDUIT(2)	68.82 -	1.0000	1.0000
			77.25		
L34	9	CONDUIT(2)	68.82 -	1.0000	1.0000
			77.25		
L34	10	LDF7-50A(1-5/8)	68.82 -	1.0000	1.0000
			77.25		
L34	11	FB-L98B-002-75000(3/8)	68.82 -	1.0000	1.0000
			77.25		
L34	12	WR-VG86ST-BRD(3/4)	68.82 -	1.0000	1.0000
			77.25		
L34	17	HB158-21U6S24-xxM_TMO(1-5/8)	68.82 -	1.0000	1.0000
			77.25		
L34	21	561(1-5/8)	68.82 -	1.0000	1.0000
			77.25		
L34	25	CU12PSM9P6XXX(1-1/2)	68.82 -	1.0000	1.0000
			77.25		
L34	45	CCI 6" x 1" Plate	68.82 -	1.0000	1.0000
			77.25		
L34	46	CCI 6" x 1" Plate	68.82 -	1.0000	1.0000
			77.25		
L34	47	CCI 6" x 1" Plate	68.82 -	1.0000	1.0000
			77.25		
L34	55	CCI 6.5" x 1.25" Plate	72.50 -	1.0000	1.0000
			77.25		
L34	56	CCI 6.5" x 1.25" Plate	72.50 -	1.0000	1.0000
			77.25		
L34	57	CCI 6.5" x 1.25" Plate	72.50 -	1.0000	1.0000
			77.25		
L34	65	CCI 8.5" x 1.25" Plate	68.82 -	1.0000	1.0000
			77.25		
L34	69	CCI 8.5" x 1.25" Plate	68.82 -	1.0000	1.0000
			77.25		
L34	70	CCI 8.5" x 1.25" Plate	68.82 -	1.0000	1.0000
			77.25		
L35	2	Safety Line 3/8"	68.29 -	1.0000	1.0000
			68.82		
L35	3	Climbing Pegs	68.29 -	1.0000	1.0000
			68.82		
L35	5	LDF7-50A(1-5/8)	68.29 -	1.0000	1.0000
			68.82		
L35	6	FB-L98B-002-75000(3/8)	68.29 -	1.0000	1.0000
			68.82		
L35	7	WR-VG86ST-BRD(3/4)	68.29 -	1.0000	1.0000
			68.82		
L35	8	CONDUIT(2)	68.29 -	1.0000	1.0000
			68.82		
L35	9	CONDUIT(2)	68.29 -	1.0000	1.0000
			68.82		
L35	10	LDF7-50A(1-5/8)	68.29 -	1.0000	1.0000
			68.82		
L35	11	FB-L98B-002-75000(3/8)	68.29 -	1.0000	1.0000
			68.82		
L35	12	WR-VG86ST-BRD(3/4)	68.29 -	1.0000	1.0000
			68.82		
L35	17	HB158-21U6S24-xxM_TMO(1-5/8)	68.29 -	1.0000	1.0000
			68.82		
L35	21	561(1-5/8)	68.29 -	1.0000	1.0000
			68.82		
L35	25	CU12PSM9P6XXX(1-1/2)	68.29 -	1.0000	1.0000
			68.82		

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L35	45	CCI 6" x 1" Plate	68.29 - 68.82	1.0000	1.0000
L35	46	CCI 6" x 1" Plate	68.29 - 68.82	1.0000	1.0000
L35	47	CCI 6" x 1" Plate	68.29 - 68.82	1.0000	1.0000
L35	65	CCI 8.5" x 1.25" Plate	68.29 - 68.82	1.0000	1.0000
L35	69	CCI 8.5" x 1.25" Plate	68.29 - 68.82	1.0000	1.0000
L35	70	CCI 8.5" x 1.25" Plate	68.29 - 68.82	1.0000	1.0000
L36	2	Safety Line 3/8"	64.25 - 68.29	1.0000	1.0000
L36	3	Climbing Pegs	64.25 - 68.29	1.0000	1.0000
L36	5	LDF7-50A(1-5/8)	64.25 - 68.29	1.0000	1.0000
L36	6	FB-L98B-002-75000(3/8)	64.25 - 68.29	1.0000	1.0000
L36	7	WR-VG86ST-BRD(3/4)	64.25 - 68.29	1.0000	1.0000
L36	8	CONDUIT(2)	64.25 - 68.29	1.0000	1.0000
L36	9	CONDUIT(2)	64.25 - 68.29	1.0000	1.0000
L36	10	LDF7-50A(1-5/8)	64.25 - 68.29	1.0000	1.0000
L36	11	FB-L98B-002-75000(3/8)	64.25 - 68.29	1.0000	1.0000
L36	12	WR-VG86ST-BRD(3/4)	64.25 - 68.29	1.0000	1.0000
L36	17	HB158-21U6S24-xxM_TMO(1-5/8)	64.25 - 68.29	1.0000	1.0000
L36	21	561(1-5/8)	64.25 - 68.29	1.0000	1.0000
L36	25	CU12PSM9P6XXX(1-1/2)	64.25 - 68.29	1.0000	1.0000
L36	45	CCI 6" x 1" Plate	64.25 - 68.29	1.0000	1.0000
L36	46	CCI 6" x 1" Plate	64.25 - 68.29	1.0000	1.0000
L36	47	CCI 6" x 1" Plate	64.25 - 68.29	1.0000	1.0000
L36	52	CCI 6.5" x 1.25" Plate	64.25 - 67.00	1.0000	1.0000
L36	53	CCI 6.5" x 1.25" Plate	64.25 - 67.00	1.0000	1.0000
L36	54	CCI 6.5" x 1.25" Plate	64.25 - 67.00	1.0000	1.0000
L36	65	CCI 8.5" x 1.25" Plate	64.25 - 68.29	1.0000	1.0000
L36	69	CCI 8.5" x 1.25" Plate	64.25 - 68.29	1.0000	1.0000
L36	70	CCI 8.5" x 1.25" Plate	64.25 - 68.29	1.0000	1.0000
L37	2	Safety Line 3/8"	64.00 - 64.25	1.0000	1.0000
L37	3	Climbing Pegs	64.00 - 64.25	1.0000	1.0000
L37	5	LDF7-50A(1-5/8)	64.00 - 64.25	1.0000	1.0000
L37	6	FB-L98B-002-75000(3/8)	64.00 - 64.25	1.0000	1.0000
L37	7	WR-VG86ST-BRD(3/4)	64.00 - 64.25	1.0000	1.0000
L37	8	CONDUIT(2)	64.00 - 64.25	1.0000	1.0000
L37	9	CONDUIT(2)	64.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L37	10	LDF7-50A(1-5/8)	64.25 64.00 -	1.0000	1.0000
L37	11	FB-L98B-002-75000(3/8)	64.25 64.00 -	1.0000	1.0000
L37	12	WR-VG86ST-BRD(3/4)	64.25 64.00 -	1.0000	1.0000
L37	17	HB158-21U6S24-xxM_TMO(1-5/8)	64.25 64.00 -	1.0000	1.0000
L37	21	561(1-5/8)	64.25 64.00 -	1.0000	1.0000
L37	25	CU12PSM9P6XXX(1-1/2)	64.25 64.00 -	1.0000	1.0000
L37	45	CCI 6" x 1" Plate	64.25 64.00 -	1.0000	1.0000
L37	46	CCI 6" x 1" Plate	64.25 64.00 -	1.0000	1.0000
L37	47	CCI 6" x 1" Plate	64.25 64.00 -	1.0000	1.0000
L37	52	CCI 6.5" x 1.25" Plate	64.25 64.00 -	1.0000	1.0000
L37	53	CCI 6.5" x 1.25" Plate	64.25 64.00 -	1.0000	1.0000
L37	54	CCI 6.5" x 1.25" Plate	64.25 64.00 -	1.0000	1.0000
L37	65	CCI 8.5" x 1.25" Plate	64.25 64.00 -	1.0000	1.0000
L37	69	CCI 8.5" x 1.25" Plate	64.25 64.00 -	1.0000	1.0000
L37	70	CCI 8.5" x 1.25" Plate	64.25 64.00 -	1.0000	1.0000
L38	2	Safety Line 3/8"	64.00 60.50 -	1.0000	1.0000
L38	3	Climbing Pegs	64.00 60.50 -	1.0000	1.0000
L38	5	LDF7-50A(1-5/8)	64.00 60.50 -	1.0000	1.0000
L38	6	FB-L98B-002-75000(3/8)	64.00 60.50 -	1.0000	1.0000
L38	7	WR-VG86ST-BRD(3/4)	64.00 60.50 -	1.0000	1.0000
L38	8	CONDUIT(2)	64.00 60.50 -	1.0000	1.0000
L38	9	CONDUIT(2)	64.00 60.50 -	1.0000	1.0000
L38	10	LDF7-50A(1-5/8)	64.00 60.50 -	1.0000	1.0000
L38	11	FB-L98B-002-75000(3/8)	64.00 60.50 -	1.0000	1.0000
L38	12	WR-VG86ST-BRD(3/4)	64.00 60.50 -	1.0000	1.0000
L38	17	HB158-21U6S24-xxM_TMO(1-5/8)	64.00 60.50 -	1.0000	1.0000
L38	21	561(1-5/8)	64.00 60.50 -	1.0000	1.0000
L38	25	CU12PSM9P6XXX(1-1/2)	64.00 60.50 -	1.0000	1.0000
L38	35	MP3-04	61.50 60.50 -	1.0000	1.0000
L38	45	CCI 6" x 1" Plate	64.00 60.50 -	1.0000	1.0000
L38	46	CCI 6" x 1" Plate	64.00 60.50 -	1.0000	1.0000
L38	47	CCI 6" x 1" Plate	64.00 60.50 -	1.0000	1.0000
L38	52	CCI 6.5" x 1.25" Plate	64.00 60.50 -	1.0000	1.0000
L38	53	CCI 6.5" x 1.25" Plate	64.00 60.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L38	54	CCI 6.5" x 1.25" Plate	60.50 - 64.00	1.0000	1.0000
L38	65	CCI 8.5" x 1.25" Plate	60.50 - 64.00	1.0000	1.0000
L38	69	CCI 8.5" x 1.25" Plate	60.50 - 64.00	1.0000	1.0000
L38	70	CCI 8.5" x 1.25" Plate	60.50 - 64.00	1.0000	1.0000
L39	2	Safety Line 3/8"	60.25 - 60.50	1.0000	1.0000
L39	3	Climbing Pegs	60.25 - 60.50	1.0000	1.0000
L39	5	LDF7-50A(1-5/8)	60.25 - 60.50	1.0000	1.0000
L39	6	FB-L98B-002-75000(3/8)	60.25 - 60.50	1.0000	1.0000
L39	7	WR-VG86ST-BRD(3/4)	60.25 - 60.50	1.0000	1.0000
L39	8	CONDUIT(2)	60.25 - 60.50	1.0000	1.0000
L39	9	CONDUIT(2)	60.25 - 60.50	1.0000	1.0000
L39	10	LDF7-50A(1-5/8)	60.25 - 60.50	1.0000	1.0000
L39	11	FB-L98B-002-75000(3/8)	60.25 - 60.50	1.0000	1.0000
L39	12	WR-VG86ST-BRD(3/4)	60.25 - 60.50	1.0000	1.0000
L39	17	HB158-21U6S24-xxM_TMO(1-5/8)	60.25 - 60.50	1.0000	1.0000
L39	21	561(1-5/8)	60.25 - 60.50	1.0000	1.0000
L39	25	CU12PSM9P6XXX(1-1/2)	60.25 - 60.50	1.0000	1.0000
L39	33	MP3-04	60.25 - 60.50	1.0000	1.0000
L39	34	MP3-04	60.25 - 60.50	1.0000	1.0000
L39	35	MP3-04	60.25 - 60.50	1.0000	1.0000
L39	42	CCI 6.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L39	43	CCI 6.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L39	44	CCI 6.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L39	52	CCI 6.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L39	53	CCI 6.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L39	54	CCI 6.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L39	65	CCI 8.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L39	69	CCI 8.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L39	70	CCI 8.5" x 1.25" Plate	60.25 - 60.50	1.0000	1.0000
L40	2	Safety Line 3/8"	60.08 - 60.25	1.0000	1.0000
L40	3	Climbing Pegs	60.08 - 60.25	1.0000	1.0000
L40	5	LDF7-50A(1-5/8)	60.08 - 60.25	1.0000	1.0000
L40	6	FB-L98B-002-75000(3/8)	60.08 - 60.25	1.0000	1.0000
L40	7	WR-VG86ST-BRD(3/4)	60.08 - 60.25	1.0000	1.0000
L40	8	CONDUIT(2)	60.08 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L40	9	CONDUIT(2)	60.25 60.08 -	1.0000	1.0000
L40	10	LDF7-50A(1-5/8)	60.25 60.08 -	1.0000	1.0000
L40	11	FB-L98B-002-75000(3/8)	60.25 60.08 -	1.0000	1.0000
L40	12	WR-VG86ST-BRD(3/4)	60.25 60.08 -	1.0000	1.0000
L40	17	HB158-21U6S24-xxM_TMO(1-5/8)	60.25 60.08 -	1.0000	1.0000
L40	21	561(1-5/8)	60.25 60.08 -	1.0000	1.0000
L40	25	CU12PSM9P6XXX(1-1/2)	60.25 60.08 -	1.0000	1.0000
L40	33	MP3-04	60.25 60.08 -	1.0000	1.0000
L40	34	MP3-04	60.25 60.08 -	1.0000	1.0000
L40	35	MP3-04	60.25 60.08 -	1.0000	1.0000
L40	42	CCI 6.5" x 1.25" Plate	60.25 60.08 -	1.0000	1.0000
L40	43	CCI 6.5" x 1.25" Plate	60.25 60.08 -	1.0000	1.0000
L40	44	CCI 6.5" x 1.25" Plate	60.25 60.08 -	1.0000	1.0000
L40	52	CCI 6.5" x 1.25" Plate	60.25 60.08 -	1.0000	1.0000
L40	53	CCI 6.5" x 1.25" Plate	60.25 60.08 -	1.0000	1.0000
L40	54	CCI 6.5" x 1.25" Plate	60.25 60.08 -	1.0000	1.0000
L40	65	CCI 8.5" x 1.25" Plate	60.25 60.08 -	1.0000	1.0000
L40	69	CCI 8.5" x 1.25" Plate	60.25 60.08 -	1.0000	1.0000
L40	70	CCI 8.5" x 1.25" Plate	60.25 60.08 -	1.0000	1.0000
L41	2	Safety Line 3/8"	59.83 - 60.08	1.0000	1.0000
L41	3	Climbing Pegs	59.83 - 60.08	1.0000	1.0000
L41	5	LDF7-50A(1-5/8)	59.83 - 60.08	1.0000	1.0000
L41	6	FB-L98B-002-75000(3/8)	59.83 - 60.08	1.0000	1.0000
L41	7	WR-VG86ST-BRD(3/4)	59.83 - 60.08	1.0000	1.0000
L41	8	CONDUIT(2)	59.83 - 60.08	1.0000	1.0000
L41	9	CONDUIT(2)	59.83 - 60.08	1.0000	1.0000
L41	10	LDF7-50A(1-5/8)	59.83 - 60.08	1.0000	1.0000
L41	11	FB-L98B-002-75000(3/8)	59.83 - 60.08	1.0000	1.0000
L41	12	WR-VG86ST-BRD(3/4)	59.83 - 60.08	1.0000	1.0000
L41	17	HB158-21U6S24-xxM_TMO(1-5/8)	59.83 - 60.08	1.0000	1.0000
L41	21	561(1-5/8)	59.83 - 60.08	1.0000	1.0000
L41	25	CU12PSM9P6XXX(1-1/2)	59.83 - 60.08	1.0000	1.0000
L41	33	MP3-04	59.83 - 60.08	1.0000	1.0000
L41	34	MP3-04	59.83 - 60.08	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L41	35	MP3-04	59.83 - 60.08	1.0000	1.0000
L41	42	CCI 6.5" x 1.25" Plate	59.83 - 60.08	1.0000	1.0000
L41	43	CCI 6.5" x 1.25" Plate	59.83 - 60.08	1.0000	1.0000
L41	44	CCI 6.5" x 1.25" Plate	59.83 - 60.08	1.0000	1.0000
L41	52	CCI 6.5" x 1.25" Plate	59.83 - 60.08	1.0000	1.0000
L41	53	CCI 6.5" x 1.25" Plate	59.83 - 60.08	1.0000	1.0000
L41	54	CCI 6.5" x 1.25" Plate	59.83 - 60.08	1.0000	1.0000
L41	65	CCI 8.5" x 1.25" Plate	60.00 - 60.08	1.0000	1.0000
L41	69	CCI 8.5" x 1.25" Plate	59.83 - 60.08	1.0000	1.0000
L41	70	CCI 8.5" x 1.25" Plate	59.83 - 60.08	1.0000	1.0000
L42	2	Safety Line 3/8"	59.08 - 59.83	1.0000	1.0000
L42	3	Climbing Pegs	59.08 - 59.83	1.0000	1.0000
L42	5	LDF7-50A(1-5/8)	59.08 - 59.83	1.0000	1.0000
L42	6	FB-L98B-002-75000(3/8)	59.08 - 59.83	1.0000	1.0000
L42	7	WR-VG86ST-BRD(3/4)	59.08 - 59.83	1.0000	1.0000
L42	8	CONDUIT(2)	59.08 - 59.83	1.0000	1.0000
L42	9	CONDUIT(2)	59.08 - 59.83	1.0000	1.0000
L42	10	LDF7-50A(1-5/8)	59.08 - 59.83	1.0000	1.0000
L42	11	FB-L98B-002-75000(3/8)	59.08 - 59.83	1.0000	1.0000
L42	12	WR-VG86ST-BRD(3/4)	59.08 - 59.83	1.0000	1.0000
L42	17	HB158-21U6S24-xxM_TMO(1-5/8)	59.08 - 59.83	1.0000	1.0000
L42	21	561(1-5/8)	59.08 - 59.83	1.0000	1.0000
L42	25	CU12PSM9P6XXX(1-1/2)	59.08 - 59.83	1.0000	1.0000
L42	33	MP3-04	59.08 - 59.83	1.0000	1.0000
L42	34	MP3-04	59.08 - 59.83	1.0000	1.0000
L42	35	MP3-04	59.08 - 59.83	1.0000	1.0000
L42	42	CCI 6.5" x 1.25" Plate	59.08 - 59.83	1.0000	1.0000
L42	43	CCI 6.5" x 1.25" Plate	59.08 - 59.83	1.0000	1.0000
L42	44	CCI 6.5" x 1.25" Plate	59.08 - 59.83	1.0000	1.0000
L42	52	CCI 6.5" x 1.25" Plate	59.08 - 59.83	1.0000	1.0000
L42	53	CCI 6.5" x 1.25" Plate	59.08 - 59.83	1.0000	1.0000
L42	54	CCI 6.5" x 1.25" Plate	59.08 - 59.83	1.0000	1.0000
L42	69	CCI 8.5" x 1.25" Plate	59.08 - 59.83	1.0000	1.0000
L42	70	CCI 8.5" x 1.25" Plate	59.08 - 59.83	1.0000	1.0000
L43	2	Safety Line 3/8"	58.83 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
			59.08		
L43	3	Climbing Pegs	58.83 -	1.0000	1.0000
			59.08		
L43	5	LDF7-50A(1-5/8)	58.83 -	1.0000	1.0000
			59.08		
L43	6	FB-L98B-002-75000(3/8)	58.83 -	1.0000	1.0000
			59.08		
L43	7	WR-VG86ST-BRD(3/4)	58.83 -	1.0000	1.0000
			59.08		
L43	8	CONDUIT(2)	58.83 -	1.0000	1.0000
			59.08		
L43	9	CONDUIT(2)	58.83 -	1.0000	1.0000
			59.08		
L43	10	LDF7-50A(1-5/8)	58.83 -	1.0000	1.0000
			59.08		
L43	11	FB-L98B-002-75000(3/8)	58.83 -	1.0000	1.0000
			59.08		
L43	12	WR-VG86ST-BRD(3/4)	58.83 -	1.0000	1.0000
			59.08		
L43	17	HB158-21U6S24- xxM_TMO(1-5/8)	58.83 -	1.0000	1.0000
			59.08		
L43	21	561(1-5/8)	58.83 -	1.0000	1.0000
			59.08		
L43	25	CU12PSM9P6XXX(1-1/2)	58.83 -	1.0000	1.0000
			59.08		
L43	33	MP3-04	58.83 -	1.0000	1.0000
			59.08		
L43	34	MP3-04	58.83 -	1.0000	1.0000
			59.08		
L43	35	MP3-04	58.83 -	1.0000	1.0000
			59.08		
L43	42	CCI 6.5" x 1.25" Plate	58.83 -	1.0000	1.0000
			59.08		
L43	43	CCI 6.5" x 1.25" Plate	58.83 -	1.0000	1.0000
			59.08		
L43	44	CCI 6.5" x 1.25" Plate	58.83 -	1.0000	1.0000
			59.08		
L43	52	CCI 6.5" x 1.25" Plate	58.83 -	1.0000	1.0000
			59.08		
L43	53	CCI 6.5" x 1.25" Plate	58.83 -	1.0000	1.0000
			59.08		
L43	54	CCI 6.5" x 1.25" Plate	58.83 -	1.0000	1.0000
			59.08		
L43	69	CCI 8.5" x 1.25" Plate	58.83 -	1.0000	1.0000
			59.08		
L43	70	CCI 8.5" x 1.25" Plate	58.83 -	1.0000	1.0000
			59.08		
L44	2	Safety Line 3/8"	55.42 -	1.0000	1.0000
			58.83		
L44	3	Climbing Pegs	55.42 -	1.0000	1.0000
			58.83		
L44	5	LDF7-50A(1-5/8)	55.42 -	1.0000	1.0000
			58.83		
L44	6	FB-L98B-002-75000(3/8)	55.42 -	1.0000	1.0000
			58.83		
L44	7	WR-VG86ST-BRD(3/4)	55.42 -	1.0000	1.0000
			58.83		
L44	8	CONDUIT(2)	55.42 -	1.0000	1.0000
			58.83		
L44	9	CONDUIT(2)	55.42 -	1.0000	1.0000
			58.83		
L44	10	LDF7-50A(1-5/8)	55.42 -	1.0000	1.0000
			58.83		
L44	11	FB-L98B-002-75000(3/8)	55.42 -	1.0000	1.0000
			58.83		
L44	12	WR-VG86ST-BRD(3/4)	55.42 -	1.0000	1.0000
			58.83		
L44	17	HB158-21U6S24- xxM_TMO(1-5/8)	55.42 -	1.0000	1.0000
			58.83		

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L44	21	561(1-5/8)	55.42 - 58.83	1.0000	1.0000
L44	25	CU12PSM9P6XXX(1-1/2)	55.42 - 58.83	1.0000	1.0000
L44	33	MP3-04	55.42 - 58.83	1.0000	1.0000
L44	34	MP3-04	55.42 - 58.83	1.0000	1.0000
L44	35	MP3-04	55.42 - 58.83	1.0000	1.0000
L44	42	CCI 6.5" x 1.25" Plate	55.42 - 58.83	1.0000	1.0000
L44	43	CCI 6.5" x 1.25" Plate	55.42 - 58.83	1.0000	1.0000
L44	44	CCI 6.5" x 1.25" Plate	55.42 - 58.83	1.0000	1.0000
L44	52	CCI 6.5" x 1.25" Plate	55.42 - 58.83	1.0000	1.0000
L44	53	CCI 6.5" x 1.25" Plate	55.42 - 58.83	1.0000	1.0000
L44	54	CCI 6.5" x 1.25" Plate	55.42 - 58.83	1.0000	1.0000
L44	69	CCI 8.5" x 1.25" Plate	55.50 - 58.83	1.0000	1.0000
L44	70	CCI 8.5" x 1.25" Plate	55.50 - 58.83	1.0000	1.0000
L45	2	Safety Line 3/8"	55.17 - 55.42	1.0000	1.0000
L45	3	Climbing Pegs	55.17 - 55.42	1.0000	1.0000
L45	5	LDF7-50A(1-5/8)	55.17 - 55.42	1.0000	1.0000
L45	6	FB-L98B-002-75000(3/8)	55.17 - 55.42	1.0000	1.0000
L45	7	WR-VG86ST-BRD(3/4)	55.17 - 55.42	1.0000	1.0000
L45	8	CONDUIT(2)	55.17 - 55.42	1.0000	1.0000
L45	9	CONDUIT(2)	55.17 - 55.42	1.0000	1.0000
L45	10	LDF7-50A(1-5/8)	55.17 - 55.42	1.0000	1.0000
L45	11	FB-L98B-002-75000(3/8)	55.17 - 55.42	1.0000	1.0000
L45	12	WR-VG86ST-BRD(3/4)	55.17 - 55.42	1.0000	1.0000
L45	17	HB158-21U6S24-xxM_TMO(1-5/8)	55.17 - 55.42	1.0000	1.0000
L45	21	561(1-5/8)	55.17 - 55.42	1.0000	1.0000
L45	25	CU12PSM9P6XXX(1-1/2)	55.17 - 55.42	1.0000	1.0000
L45	33	MP3-04	55.17 - 55.42	1.0000	1.0000
L45	34	MP3-04	55.17 - 55.42	1.0000	1.0000
L45	35	MP3-04	55.17 - 55.42	1.0000	1.0000
L45	42	CCI 6.5" x 1.25" Plate	55.17 - 55.42	1.0000	1.0000
L45	43	CCI 6.5" x 1.25" Plate	55.17 - 55.42	1.0000	1.0000
L45	44	CCI 6.5" x 1.25" Plate	55.17 - 55.42	1.0000	1.0000
L45	52	CCI 6.5" x 1.25" Plate	55.17 - 55.42	1.0000	1.0000
L45	53	CCI 6.5" x 1.25" Plate	55.17 - 55.42	1.0000	1.0000
L45	54	CCI 6.5" x 1.25" Plate	55.17 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L45	67	CCI 8.5" x 1.25" Plate	55.42 55.17 - 55.40	1.0000	1.0000
L45	68	CCI 8.5" x 1.25" Plate	55.17 - 55.40	1.0000	1.0000
L46	2	Safety Line 3/8"	54.75 - 55.17	1.0000	1.0000
L46	3	Climbing Pegs	54.75 - 55.17	1.0000	1.0000
L46	5	LDF7-50A(1-5/8)	54.75 - 55.17	1.0000	1.0000
L46	6	FB-L98B-002-75000(3/8)	54.75 - 55.17	1.0000	1.0000
L46	7	WR-VG86ST-BRD(3/4)	54.75 - 55.17	1.0000	1.0000
L46	8	CONDUIT(2)	54.75 - 55.17	1.0000	1.0000
L46	9	CONDUIT(2)	54.75 - 55.17	1.0000	1.0000
L46	10	LDF7-50A(1-5/8)	54.75 - 55.17	1.0000	1.0000
L46	11	FB-L98B-002-75000(3/8)	54.75 - 55.17	1.0000	1.0000
L46	12	WR-VG86ST-BRD(3/4)	54.75 - 55.17	1.0000	1.0000
L46	17	HB158-21U6S24- xxM_TMO(1-5/8)	54.75 - 55.17	1.0000	1.0000
L46	21	561(1-5/8)	54.75 - 55.17	1.0000	1.0000
L46	25	CU12PSM9P6XXX(1-1/2)	54.75 - 55.17	1.0000	1.0000
L46	33	MP3-04	54.75 - 55.17	1.0000	1.0000
L46	34	MP3-04	54.75 - 55.17	1.0000	1.0000
L46	35	MP3-04	54.75 - 55.17	1.0000	1.0000
L46	42	CCI 6.5" x 1.25" Plate	54.75 - 55.17	1.0000	1.0000
L46	43	CCI 6.5" x 1.25" Plate	54.75 - 55.17	1.0000	1.0000
L46	44	CCI 6.5" x 1.25" Plate	54.75 - 55.17	1.0000	1.0000
L46	52	CCI 6.5" x 1.25" Plate	54.75 - 55.17	1.0000	1.0000
L46	53	CCI 6.5" x 1.25" Plate	54.75 - 55.17	1.0000	1.0000
L46	54	CCI 6.5" x 1.25" Plate	54.75 - 55.17	1.0000	1.0000
L46	67	CCI 8.5" x 1.25" Plate	54.75 - 55.17	1.0000	1.0000
L46	68	CCI 8.5" x 1.25" Plate	54.75 - 55.17	1.0000	1.0000
L47	2	Safety Line 3/8"	54.50 - 54.75	1.0000	1.0000
L47	3	Climbing Pegs	54.50 - 54.75	1.0000	1.0000
L47	5	LDF7-50A(1-5/8)	54.50 - 54.75	1.0000	1.0000
L47	6	FB-L98B-002-75000(3/8)	54.50 - 54.75	1.0000	1.0000
L47	7	WR-VG86ST-BRD(3/4)	54.50 - 54.75	1.0000	1.0000
L47	8	CONDUIT(2)	54.50 - 54.75	1.0000	1.0000
L47	9	CONDUIT(2)	54.50 - 54.75	1.0000	1.0000
L47	10	LDF7-50A(1-5/8)	54.50 - 54.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L47	11	FB-L98B-002-75000(3/8)	54.50 - 54.75	1.0000	1.0000
L47	12	WR-VG86ST-BRD(3/4)	54.50 - 54.75	1.0000	1.0000
L47	17	HB158-21U6S24- xxM_TMO(1-5/8)	54.50 - 54.75	1.0000	1.0000
L47	21	561(1-5/8)	54.50 - 54.75	1.0000	1.0000
L47	25	CU12PSM9P6XXX(1-1/2)	54.50 - 54.75	1.0000	1.0000
L47	33	MP3-04	54.50 - 54.75	1.0000	1.0000
L47	34	MP3-04	54.50 - 54.75	1.0000	1.0000
L47	35	MP3-04	54.50 - 54.75	1.0000	1.0000
L47	42	CCI 6.5" x 1.25" Plate	54.50 - 54.75	1.0000	1.0000
L47	43	CCI 6.5" x 1.25" Plate	54.50 - 54.75	1.0000	1.0000
L47	44	CCI 6.5" x 1.25" Plate	54.50 - 54.75	1.0000	1.0000
L47	52	CCI 6.5" x 1.25" Plate	54.50 - 54.75	1.0000	1.0000
L47	53	CCI 6.5" x 1.25" Plate	54.50 - 54.75	1.0000	1.0000
L47	54	CCI 6.5" x 1.25" Plate	54.50 - 54.75	1.0000	1.0000
L47	67	CCI 8.5" x 1.25" Plate	54.50 - 54.75	1.0000	1.0000
L47	68	CCI 8.5" x 1.25" Plate	54.50 - 54.75	1.0000	1.0000
L48	2	Safety Line 3/8"	49.50 - 54.50	1.0000	1.0000
L48	3	Climbing Pegs	49.50 - 54.50	1.0000	1.0000
L48	5	LDF7-50A(1-5/8)	49.50 - 54.50	1.0000	1.0000
L48	6	FB-L98B-002-75000(3/8)	49.50 - 54.50	1.0000	1.0000
L48	7	WR-VG86ST-BRD(3/4)	49.50 - 54.50	1.0000	1.0000
L48	8	CONDUIT(2)	49.50 - 54.50	1.0000	1.0000
L48	9	CONDUIT(2)	49.50 - 54.50	1.0000	1.0000
L48	10	LDF7-50A(1-5/8)	49.50 - 54.50	1.0000	1.0000
L48	11	FB-L98B-002-75000(3/8)	49.50 - 54.50	1.0000	1.0000
L48	12	WR-VG86ST-BRD(3/4)	49.50 - 54.50	1.0000	1.0000
L48	17	HB158-21U6S24- xxM_TMO(1-5/8)	49.50 - 54.50	1.0000	1.0000
L48	21	561(1-5/8)	49.50 - 54.50	1.0000	1.0000
L48	25	CU12PSM9P6XXX(1-1/2)	49.50 - 54.50	1.0000	1.0000
L48	33	MP3-04	49.50 - 54.50	1.0000	1.0000
L48	34	MP3-04	49.50 - 54.50	1.0000	1.0000
L48	35	MP3-04	49.50 - 54.50	1.0000	1.0000
L48	42	CCI 6.5" x 1.25" Plate	49.50 - 54.50	1.0000	1.0000
L48	43	CCI 6.5" x 1.25" Plate	49.50 - 54.50	1.0000	1.0000
L48	44	CCI 6.5" x 1.25" Plate	49.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L48	52	CCI 6.5" x 1.25" Plate	54.50 52.00 -	1.0000	1.0000
L48	53	CCI 6.5" x 1.25" Plate	54.50 52.00 -	1.0000	1.0000
L48	54	CCI 6.5" x 1.25" Plate	54.50 52.00 -	1.0000	1.0000
L48	67	CCI 8.5" x 1.25" Plate	54.50 49.50 -	1.0000	1.0000
L48	68	CCI 8.5" x 1.25" Plate	54.50 49.50 -	1.0000	1.0000
L49	2	Safety Line 3/8"	54.50 44.50 -	1.0000	1.0000
L49	3	Climbing Pegs	49.50 44.50 -	1.0000	1.0000
L49	5	LDF7-50A(1-5/8)	49.50 44.50 -	1.0000	1.0000
L49	6	FB-L98B-002-75000(3/8)	49.50 44.50 -	1.0000	1.0000
L49	7	WR-VG86ST-BRD(3/4)	49.50 44.50 -	1.0000	1.0000
L49	8	CONDUIT(2)	49.50 44.50 -	1.0000	1.0000
L49	9	CONDUIT(2)	49.50 44.50 -	1.0000	1.0000
L49	10	LDF7-50A(1-5/8)	49.50 44.50 -	1.0000	1.0000
L49	11	FB-L98B-002-75000(3/8)	49.50 44.50 -	1.0000	1.0000
L49	12	WR-VG86ST-BRD(3/4)	49.50 44.50 -	1.0000	1.0000
L49	17	HB158-21U6S24-xxM_TMO(1-5/8)	49.50 44.50 -	1.0000	1.0000
L49	21	561(1-5/8)	49.50 44.50 -	1.0000	1.0000
L49	25	CU12PSM9P6XXX(1-1/2)	49.50 44.50 -	1.0000	1.0000
L49	33	MP3-04	49.50 44.50 -	1.0000	1.0000
L49	34	MP3-04	49.50 44.50 -	1.0000	1.0000
L49	35	MP3-04	49.50 44.50 -	1.0000	1.0000
L49	42	CCI 6.5" x 1.25" Plate	49.50 44.50 -	1.0000	1.0000
L49	43	CCI 6.5" x 1.25" Plate	49.50 44.50 -	1.0000	1.0000
L49	44	CCI 6.5" x 1.25" Plate	49.50 44.50 -	1.0000	1.0000
L49	64	CCI 8.5" x 1.25" Plate	49.50 44.50 -	1.0000	1.0000
L49	67	CCI 8.5" x 1.25" Plate	45.50 44.50 -	1.0000	1.0000
L49	68	CCI 8.5" x 1.25" Plate	49.50 44.50 -	1.0000	1.0000
L50	2	Safety Line 3/8"	49.50 41.25 -	1.0000	1.0000
L50	3	Climbing Pegs	44.50 41.25 -	1.0000	1.0000
L50	5	LDF7-50A(1-5/8)	44.50 41.25 -	1.0000	1.0000
L50	6	FB-L98B-002-75000(3/8)	44.50 41.25 -	1.0000	1.0000
L50	7	WR-VG86ST-BRD(3/4)	44.50 41.25 -	1.0000	1.0000
L50	8	CONDUIT(2)	44.50 41.25 -	1.0000	1.0000
L50	9	CONDUIT(2)	44.50 41.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L50	10	LDF7-50A(1-5/8)	41.25 - 44.50	1.0000	1.0000
L50	11	FB-L98B-002-75000(3/8)	41.25 - 44.50	1.0000	1.0000
L50	12	WR-VG86ST-BRD(3/4)	41.25 - 44.50	1.0000	1.0000
L50	17	HB158-21U6S24-xxM_TMO(1-5/8)	41.25 - 44.50	1.0000	1.0000
L50	21	561(1-5/8)	41.25 - 44.50	1.0000	1.0000
L50	25	CU12PSM9P6XXX(1-1/2)	41.25 - 44.50	1.0000	1.0000
L50	33	MP3-04	41.25 - 44.50	1.0000	1.0000
L50	34	MP3-04	41.25 - 44.50	1.0000	1.0000
L50	35	MP3-04	41.25 - 44.50	1.0000	1.0000
L50	42	CCI 6.5" x 1.25" Plate	41.25 - 44.50	1.0000	1.0000
L50	43	CCI 6.5" x 1.25" Plate	41.25 - 44.50	1.0000	1.0000
L50	44	CCI 6.5" x 1.25" Plate	41.25 - 44.50	1.0000	1.0000
L50	64	CCI 8.5" x 1.25" Plate	41.25 - 44.50	1.0000	1.0000
L50	67	CCI 8.5" x 1.25" Plate	41.25 - 44.50	1.0000	1.0000
L50	68	CCI 8.5" x 1.25" Plate	41.25 - 44.50	1.0000	1.0000
L51	2	Safety Line 3/8"	41.00 - 41.25	1.0000	1.0000
L51	3	Climbing Pegs	41.00 - 41.25	1.0000	1.0000
L51	5	LDF7-50A(1-5/8)	41.00 - 41.25	1.0000	1.0000
L51	6	FB-L98B-002-75000(3/8)	41.00 - 41.25	1.0000	1.0000
L51	7	WR-VG86ST-BRD(3/4)	41.00 - 41.25	1.0000	1.0000
L51	8	CONDUIT(2)	41.00 - 41.25	1.0000	1.0000
L51	9	CONDUIT(2)	41.00 - 41.25	1.0000	1.0000
L51	10	LDF7-50A(1-5/8)	41.00 - 41.25	1.0000	1.0000
L51	11	FB-L98B-002-75000(3/8)	41.00 - 41.25	1.0000	1.0000
L51	12	WR-VG86ST-BRD(3/4)	41.00 - 41.25	1.0000	1.0000
L51	17	HB158-21U6S24-xxM_TMO(1-5/8)	41.00 - 41.25	1.0000	1.0000
L51	21	561(1-5/8)	41.00 - 41.25	1.0000	1.0000
L51	25	CU12PSM9P6XXX(1-1/2)	41.00 - 41.25	1.0000	1.0000
L51	33	MP3-04	41.00 - 41.25	1.0000	1.0000
L51	34	MP3-04	41.00 - 41.25	1.0000	1.0000
L51	35	MP3-04	41.00 - 41.25	1.0000	1.0000
L51	42	CCI 6.5" x 1.25" Plate	41.00 - 41.25	1.0000	1.0000
L51	43	CCI 6.5" x 1.25" Plate	41.00 - 41.25	1.0000	1.0000
L51	44	CCI 6.5" x 1.25" Plate	41.00 - 41.25	1.0000	1.0000
L51	64	CCI 8.5" x 1.25" Plate	41.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L51	67	CCI 8.5" x 1.25" Plate	41.25 41.00 -	1.0000	1.0000
L51	68	CCI 8.5" x 1.25" Plate	41.25 41.00 -	1.0000	1.0000
L52	2	Safety Line 3/8"	41.25 34.29 -	1.0000	1.0000
L52	3	Climbing Pegs	41.00 34.29 -	1.0000	1.0000
L52	5	LDF7-50A(1-5/8)	41.00 34.29 -	1.0000	1.0000
L52	6	FB-L98B-002-75000(3/8)	41.00 34.29 -	1.0000	1.0000
L52	7	WR-VG86ST-BRD(3/4)	41.00 34.29 -	1.0000	1.0000
L52	8	CONDUIT(2)	41.00 34.29 -	1.0000	1.0000
L52	9	CONDUIT(2)	41.00 34.29 -	1.0000	1.0000
L52	10	LDF7-50A(1-5/8)	41.00 34.29 -	1.0000	1.0000
L52	11	FB-L98B-002-75000(3/8)	41.00 34.29 -	1.0000	1.0000
L52	12	WR-VG86ST-BRD(3/4)	41.00 34.29 -	1.0000	1.0000
L52	17	HB158-21U6S24- xxM_TMO(1-5/8)	41.00 34.29 -	1.0000	1.0000
L52	21	561(1-5/8)	41.00 34.29 -	1.0000	1.0000
L52	25	CU12PSM9P6XXX(1-1/2)	41.00 34.29 -	1.0000	1.0000
L52	33	MP3-04	41.00 34.29 -	1.0000	1.0000
L52	34	MP3-04	41.00 34.29 -	1.0000	1.0000
L52	35	MP3-04	41.00 34.29 -	1.0000	1.0000
L52	42	CCI 6.5" x 1.25" Plate	41.00 34.29 -	1.0000	1.0000
L52	43	CCI 6.5" x 1.25" Plate	41.00 34.29 -	1.0000	1.0000
L52	44	CCI 6.5" x 1.25" Plate	41.00 34.29 -	1.0000	1.0000
L52	49	CCI 6.5" x 1.25" Plate	41.00 38.00 34.29 -	1.0000	1.0000
L52	50	CCI 6.5" x 1.25" Plate	38.00 34.29 -	1.0000	1.0000
L52	51	CCI 6.5" x 1.25" Plate	38.00 34.29 -	1.0000	1.0000
L52	64	CCI 8.5" x 1.25" Plate	38.00 34.29 -	1.0000	1.0000
L52	67	CCI 8.5" x 1.25" Plate	41.00 34.29 -	1.0000	1.0000
L52	68	CCI 8.5" x 1.25" Plate	41.00 34.29 -	1.0000	1.0000
L53	2	Safety Line 3/8"	41.00 33.29 -	1.0000	1.0000
L53	3	Climbing Pegs	34.29 33.29 -	1.0000	1.0000
L53	5	LDF7-50A(1-5/8)	34.29 33.29 -	1.0000	1.0000
L53	6	FB-L98B-002-75000(3/8)	34.29 33.29 -	1.0000	1.0000
L53	7	WR-VG86ST-BRD(3/4)	34.29 33.29 -	1.0000	1.0000
L53	8	CONDUIT(2)	34.29 33.29 -	1.0000	1.0000
L53	9	CONDUIT(2)	34.29 33.29 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L53	10	LDF7-50A(1-5/8)	33.29 - 34.29	1.0000	1.0000
L53	11	FB-L98B-002-75000(3/8)	33.29 - 34.29	1.0000	1.0000
L53	12	WR-VG86ST-BRD(3/4)	33.29 - 34.29	1.0000	1.0000
L53	17	HB158-21U6S24- xxM_TMO(1-5/8)	33.29 - 34.29	1.0000	1.0000
L53	21	561(1-5/8)	33.29 - 34.29	1.0000	1.0000
L53	25	CU12PSM9P6XXX(1-1/2)	33.29 - 34.29	1.0000	1.0000
L53	33	MP3-04	33.29 - 34.29	1.0000	1.0000
L53	34	MP3-04	33.29 - 34.29	1.0000	1.0000
L53	35	MP3-04	33.29 - 34.29	1.0000	1.0000
L53	42	CCI 6.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L53	43	CCI 6.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L53	44	CCI 6.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L53	49	CCI 6.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L53	50	CCI 6.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L53	51	CCI 6.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L53	64	CCI 8.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L53	67	CCI 8.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L53	68	CCI 8.5" x 1.25" Plate	33.29 - 34.29	1.0000	1.0000
L54	2	Safety Line 3/8"	31.50 - 33.29	1.0000	1.0000
L54	3	Climbing Pegs	31.50 - 33.29	1.0000	1.0000
L54	5	LDF7-50A(1-5/8)	31.50 - 33.29	1.0000	1.0000
L54	6	FB-L98B-002-75000(3/8)	31.50 - 33.29	1.0000	1.0000
L54	7	WR-VG86ST-BRD(3/4)	31.50 - 33.29	1.0000	1.0000
L54	8	CONDUIT(2)	31.50 - 33.29	1.0000	1.0000
L54	9	CONDUIT(2)	31.50 - 33.29	1.0000	1.0000
L54	10	LDF7-50A(1-5/8)	31.50 - 33.29	1.0000	1.0000
L54	11	FB-L98B-002-75000(3/8)	31.50 - 33.29	1.0000	1.0000
L54	12	WR-VG86ST-BRD(3/4)	31.50 - 33.29	1.0000	1.0000
L54	17	HB158-21U6S24- xxM_TMO(1-5/8)	31.50 - 33.29	1.0000	1.0000
L54	21	561(1-5/8)	31.50 - 33.29	1.0000	1.0000
L54	25	CU12PSM9P6XXX(1-1/2)	31.50 - 33.29	1.0000	1.0000
L54	33	MP3-04	31.50 - 33.29	1.0000	1.0000
L54	34	MP3-04	31.50 - 33.29	1.0000	1.0000
L54	35	MP3-04	31.50 - 33.29	1.0000	1.0000
L54	42	CCI 6.5" x 1.25" Plate	31.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
			33.29		
L54	43	CCI 6.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L54	44	CCI 6.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L54	49	CCI 6.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L54	50	CCI 6.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L54	51	CCI 6.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L54	64	CCI 8.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L54	67	CCI 8.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L54	68	CCI 8.5" x 1.25" Plate	31.50 - 33.29	1.0000	1.0000
L55	2	Safety Line 3/8"	31.25 - 31.50	1.0000	1.0000
L55	3	Climbing Pegs	31.25 - 31.50	1.0000	1.0000
L55	5	LDF7-50A(1-5/8)	31.25 - 31.50	1.0000	1.0000
L55	6	FB-L98B-002-75000(3/8)	31.25 - 31.50	1.0000	1.0000
L55	7	WR-VG86ST-BRD(3/4)	31.25 - 31.50	1.0000	1.0000
L55	8	CONDUIT(2)	31.25 - 31.50	1.0000	1.0000
L55	9	CONDUIT(2)	31.25 - 31.50	1.0000	1.0000
L55	10	LDF7-50A(1-5/8)	31.25 - 31.50	1.0000	1.0000
L55	11	FB-L98B-002-75000(3/8)	31.25 - 31.50	1.0000	1.0000
L55	12	WR-VG86ST-BRD(3/4)	31.25 - 31.50	1.0000	1.0000
L55	17	HB158-21U6S24-xxM_TMO(1-5/8)	31.25 - 31.50	1.0000	1.0000
L55	21	561(1-5/8)	31.25 - 31.50	1.0000	1.0000
L55	25	CU12PSM9P6XXX(1-1/2)	31.25 - 31.50	1.0000	1.0000
L55	30	MP3-05	31.25 - 31.50	1.0000	1.0000
L55	33	MP3-04	31.25 - 31.50	1.0000	1.0000
L55	34	MP3-04	31.25 - 31.50	1.0000	1.0000
L55	35	MP3-04	31.25 - 31.50	1.0000	1.0000
L55	42	CCI 6.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L55	43	CCI 6.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L55	44	CCI 6.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L55	49	CCI 6.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L55	50	CCI 6.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L55	51	CCI 6.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L55	64	CCI 8.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L55	67	CCI 8.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000
L55	68	CCI 8.5" x 1.25" Plate	31.25 - 31.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L56	2	Safety Line 3/8"	30.50 - 31.25	1.0000	1.0000
L56	3	Climbing Pegs	30.50 - 31.25	1.0000	1.0000
L56	5	LDF7-50A(1-5/8)	30.50 - 31.25	1.0000	1.0000
L56	6	FB-L98B-002-75000(3/8)	30.50 - 31.25	1.0000	1.0000
L56	7	WR-VG86ST-BRD(3/4)	30.50 - 31.25	1.0000	1.0000
L56	8	CONDUIT(2)	30.50 - 31.25	1.0000	1.0000
L56	9	CONDUIT(2)	30.50 - 31.25	1.0000	1.0000
L56	10	LDF7-50A(1-5/8)	30.50 - 31.25	1.0000	1.0000
L56	11	FB-L98B-002-75000(3/8)	30.50 - 31.25	1.0000	1.0000
L56	12	WR-VG86ST-BRD(3/4)	30.50 - 31.25	1.0000	1.0000
L56	17	HB158-21U6S24-xxM_TMO(1-5/8)	30.50 - 31.25	1.0000	1.0000
L56	21	561(1-5/8)	30.50 - 31.25	1.0000	1.0000
L56	25	CU12PSM9P6XXX(1-1/2)	30.50 - 31.25	1.0000	1.0000
L56	30	MP3-05	30.50 - 31.25	1.0000	1.0000
L56	33	MP3-04	30.50 - 31.25	1.0000	1.0000
L56	34	MP3-04	30.50 - 31.25	1.0000	1.0000
L56	35	MP3-04	31.00 - 31.25	1.0000	1.0000
L56	42	CCI 6.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L56	43	CCI 6.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L56	44	CCI 6.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L56	49	CCI 6.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L56	50	CCI 6.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L56	51	CCI 6.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L56	64	CCI 8.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L56	67	CCI 8.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L56	68	CCI 8.5" x 1.25" Plate	30.50 - 31.25	1.0000	1.0000
L57	2	Safety Line 3/8"	30.25 - 30.50	1.0000	1.0000
L57	3	Climbing Pegs	30.25 - 30.50	1.0000	1.0000
L57	5	LDF7-50A(1-5/8)	30.25 - 30.50	1.0000	1.0000
L57	6	FB-L98B-002-75000(3/8)	30.25 - 30.50	1.0000	1.0000
L57	7	WR-VG86ST-BRD(3/4)	30.25 - 30.50	1.0000	1.0000
L57	8	CONDUIT(2)	30.25 - 30.50	1.0000	1.0000
L57	9	CONDUIT(2)	30.25 - 30.50	1.0000	1.0000
L57	10	LDF7-50A(1-5/8)	30.25 - 30.50	1.0000	1.0000
L57	11	FB-L98B-002-75000(3/8)	30.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L57	12	WR-VG86ST-BRD(3/4)	30.50 30.25 - 30.50	1.0000	1.0000
L57	17	HB158-21U6S24- xxM_TMO(1-5/8)	30.25 - 30.50	1.0000	1.0000
L57	21	561(1-5/8)	30.25 - 30.50	1.0000	1.0000
L57	25	CU12PSM9P6XXX(1-1/2)	30.25 - 30.50	1.0000	1.0000
L57	30	MP3-05	30.25 - 30.50	1.0000	1.0000
L57	31	MP3-05	30.25 - 30.50	1.0000	1.0000
L57	32	MP3-05	30.25 - 30.50	1.0000	1.0000
L57	39	CCI 6" x 1" Plate	30.25 - 30.50	1.0000	1.0000
L57	40	CCI 6" x 1" Plate	30.25 - 30.50	1.0000	1.0000
L57	41	CCI 6" x 1" Plate	30.25 - 30.50	1.0000	1.0000
L57	49	CCI 6.5" x 1.25" Plate	30.25 - 30.50	1.0000	1.0000
L57	50	CCI 6.5" x 1.25" Plate	30.25 - 30.50	1.0000	1.0000
L57	51	CCI 6.5" x 1.25" Plate	30.25 - 30.50	1.0000	1.0000
L57	64	CCI 8.5" x 1.25" Plate	30.25 - 30.50	1.0000	1.0000
L57	67	CCI 8.5" x 1.25" Plate	30.25 - 30.50	1.0000	1.0000
L57	68	CCI 8.5" x 1.25" Plate	30.25 - 30.50	1.0000	1.0000
L58	2	Safety Line 3/8"	25.75 - 30.25	1.0000	1.0000
L58	3	Climbing Pegs	25.75 - 30.25	1.0000	1.0000
L58	5	LDF7-50A(1-5/8)	25.75 - 30.25	1.0000	1.0000
L58	6	FB-L98B-002-75000(3/8)	25.75 - 30.25	1.0000	1.0000
L58	7	WR-VG86ST-BRD(3/4)	25.75 - 30.25	1.0000	1.0000
L58	8	CONDUIT(2)	25.75 - 30.25	1.0000	1.0000
L58	9	CONDUIT(2)	25.75 - 30.25	1.0000	1.0000
L58	10	LDF7-50A(1-5/8)	25.75 - 30.25	1.0000	1.0000
L58	11	FB-L98B-002-75000(3/8)	25.75 - 30.25	1.0000	1.0000
L58	12	WR-VG86ST-BRD(3/4)	25.75 - 30.25	1.0000	1.0000
L58	17	HB158-21U6S24- xxM_TMO(1-5/8)	25.75 - 30.25	1.0000	1.0000
L58	21	561(1-5/8)	25.75 - 30.25	1.0000	1.0000
L58	25	CU12PSM9P6XXX(1-1/2)	25.75 - 30.25	1.0000	1.0000
L58	30	MP3-05	25.75 - 30.25	1.0000	1.0000
L58	31	MP3-05	25.75 - 30.25	1.0000	1.0000
L58	32	MP3-05	25.75 - 30.25	1.0000	1.0000
L58	39	CCI 6" x 1" Plate	25.75 - 30.25	1.0000	1.0000
L58	40	CCI 6" x 1" Plate	25.75 - 30.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L58	41	CCI 6" x 1" Plate	25.75 - 30.25	1.0000	1.0000
L58	49	CCI 6.5" x 1.25" Plate	25.75 - 30.25	1.0000	1.0000
L58	50	CCI 6.5" x 1.25" Plate	25.75 - 30.25	1.0000	1.0000
L58	51	CCI 6.5" x 1.25" Plate	25.75 - 30.25	1.0000	1.0000
L58	64	CCI 8.5" x 1.25" Plate	25.75 - 30.25	1.0000	1.0000
L58	67	CCI 8.5" x 1.25" Plate	25.75 - 30.25	1.0000	1.0000
L58	68	CCI 8.5" x 1.25" Plate	25.75 - 30.25	1.0000	1.0000
L58	80	CCI 1.25" x 5.875" Plate	25.75 - 28.50	1.0000	1.0000
L58	81	CCI 1.25" x 5.875" Plate	25.75 - 28.50	1.0000	1.0000
L58	82	CCI 1.25" x 5.875" Plate	25.75 - 28.50	1.0000	1.0000
L59	2	Safety Line 3/8"	25.50 - 25.75	1.0000	1.0000
L59	3	Climbing Pegs	25.50 - 25.75	1.0000	1.0000
L59	5	LDF7-50A(1-5/8)	25.50 - 25.75	1.0000	1.0000
L59	6	FB-L98B-002-75000(3/8)	25.50 - 25.75	1.0000	1.0000
L59	7	WR-VG86ST-BRD(3/4)	25.50 - 25.75	1.0000	1.0000
L59	8	CONDUIT(2)	25.50 - 25.75	1.0000	1.0000
L59	9	CONDUIT(2)	25.50 - 25.75	1.0000	1.0000
L59	10	LDF7-50A(1-5/8)	25.50 - 25.75	1.0000	1.0000
L59	11	FB-L98B-002-75000(3/8)	25.50 - 25.75	1.0000	1.0000
L59	12	WR-VG86ST-BRD(3/4)	25.50 - 25.75	1.0000	1.0000
L59	17	HB158-21U6S24-xxM_TMO(1-5/8)	25.50 - 25.75	1.0000	1.0000
L59	21	561(1-5/8)	25.50 - 25.75	1.0000	1.0000
L59	25	CU12PSM9P6XXX(1-1/2)	25.50 - 25.75	1.0000	1.0000
L59	30	MP3-05	25.50 - 25.75	1.0000	1.0000
L59	31	MP3-05	25.50 - 25.75	1.0000	1.0000
L59	32	MP3-05	25.50 - 25.75	1.0000	1.0000
L59	39	CCI 6" x 1" Plate	25.50 - 25.75	1.0000	1.0000
L59	40	CCI 6" x 1" Plate	25.50 - 25.75	1.0000	1.0000
L59	41	CCI 6" x 1" Plate	25.50 - 25.75	1.0000	1.0000
L59	49	CCI 6.5" x 1.25" Plate	25.50 - 25.75	1.0000	1.0000
L59	50	CCI 6.5" x 1.25" Plate	25.50 - 25.75	1.0000	1.0000
L59	51	CCI 6.5" x 1.25" Plate	25.50 - 25.75	1.0000	1.0000
L59	64	CCI 8.5" x 1.25" Plate	25.50 - 25.75	1.0000	1.0000
L59	67	CCI 8.5" x 1.25" Plate	25.50 - 25.75	1.0000	1.0000
L59	68	CCI 8.5" x 1.25" Plate	25.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L59	80	CCI 1.25" x 5.875" Plate	25.75 25.50 - 25.75	1.0000	1.0000
L59	81	CCI 1.25" x 5.875" Plate	25.50 - 25.75	1.0000	1.0000
L59	82	CCI 1.25" x 5.875" Plate	25.50 - 25.75	1.0000	1.0000
L60	2	Safety Line 3/8"	24.67 - 25.50	1.0000	1.0000
L60	3	Climbing Pegs	24.67 - 25.50	1.0000	1.0000
L60	5	LDF7-50A(1-5/8)	24.67 - 25.50	1.0000	1.0000
L60	6	FB-L98B-002-75000(3/8)	24.67 - 25.50	1.0000	1.0000
L60	7	WR-VG86ST-BRD(3/4)	24.67 - 25.50	1.0000	1.0000
L60	8	CONDUIT(2)	24.67 - 25.50	1.0000	1.0000
L60	9	CONDUIT(2)	24.67 - 25.50	1.0000	1.0000
L60	10	LDF7-50A(1-5/8)	24.67 - 25.50	1.0000	1.0000
L60	11	FB-L98B-002-75000(3/8)	24.67 - 25.50	1.0000	1.0000
L60	12	WR-VG86ST-BRD(3/4)	24.67 - 25.50	1.0000	1.0000
L60	17	HB158-21U6S24-xxM_TMO(1-5/8)	24.67 - 25.50	1.0000	1.0000
L60	21	561(1-5/8)	24.67 - 25.50	1.0000	1.0000
L60	25	CU12PSM9P6XXX(1-1/2)	24.67 - 25.50	1.0000	1.0000
L60	30	MP3-05	24.67 - 25.50	1.0000	1.0000
L60	31	MP3-05	24.67 - 25.50	1.0000	1.0000
L60	32	MP3-05	24.67 - 25.50	1.0000	1.0000
L60	39	CCI 6" x 1" Plate	24.67 - 25.50	1.0000	1.0000
L60	40	CCI 6" x 1" Plate	24.67 - 25.50	1.0000	1.0000
L60	41	CCI 6" x 1" Plate	24.67 - 25.50	1.0000	1.0000
L60	49	CCI 6.5" x 1.25" Plate	24.67 - 25.50	1.0000	1.0000
L60	50	CCI 6.5" x 1.25" Plate	24.67 - 25.50	1.0000	1.0000
L60	51	CCI 6.5" x 1.25" Plate	24.67 - 25.50	1.0000	1.0000
L60	64	CCI 8.5" x 1.25" Plate	24.67 - 25.50	1.0000	1.0000
L60	67	CCI 8.5" x 1.25" Plate	24.67 - 25.50	1.0000	1.0000
L60	68	CCI 8.5" x 1.25" Plate	24.67 - 25.50	1.0000	1.0000
L60	75	CCI 1.25" x 5.875" Plate	24.67 - 25.50	1.0000	1.0000
L60	76	CCI 1.25" x 5.875" Plate	24.67 - 25.50	1.0000	1.0000
L60	77	CCI 1.25" x 5.875" Plate	24.67 - 25.50	1.0000	1.0000
L60	78	CCI 1.25" x 5.875" Plate	24.67 - 25.50	1.0000	1.0000
L61	2	Safety Line 3/8"	24.42 - 24.67	1.0000	1.0000
L61	3	Climbing Pegs	24.42 - 24.67	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L61	5	LDF7-50A(1-5/8)	24.42 - 24.67	1.0000	1.0000
L61	6	FB-L98B-002-75000(3/8)	24.42 - 24.67	1.0000	1.0000
L61	7	WR-VG86ST-BRD(3/4)	24.42 - 24.67	1.0000	1.0000
L61	8	CONDUIT(2)	24.42 - 24.67	1.0000	1.0000
L61	9	CONDUIT(2)	24.42 - 24.67	1.0000	1.0000
L61	10	LDF7-50A(1-5/8)	24.42 - 24.67	1.0000	1.0000
L61	11	FB-L98B-002-75000(3/8)	24.42 - 24.67	1.0000	1.0000
L61	12	WR-VG86ST-BRD(3/4)	24.42 - 24.67	1.0000	1.0000
L61	17	HB158-21U6S24- xxM_TMO(1-5/8)	24.42 - 24.67	1.0000	1.0000
L61	21	561(1-5/8)	24.42 - 24.67	1.0000	1.0000
L61	25	CU12PSM9P6XXX(1-1/2)	24.42 - 24.67	1.0000	1.0000
L61	30	MP3-05	24.42 - 24.67	1.0000	1.0000
L61	31	MP3-05	24.42 - 24.67	1.0000	1.0000
L61	32	MP3-05	24.42 - 24.67	1.0000	1.0000
L61	39	CCI 6" x 1" Plate	24.42 - 24.67	1.0000	1.0000
L61	40	CCI 6" x 1" Plate	24.42 - 24.67	1.0000	1.0000
L61	41	CCI 6" x 1" Plate	24.42 - 24.67	1.0000	1.0000
L61	49	CCI 6.5" x 1.25" Plate	24.42 - 24.67	1.0000	1.0000
L61	50	CCI 6.5" x 1.25" Plate	24.42 - 24.67	1.0000	1.0000
L61	51	CCI 6.5" x 1.25" Plate	24.42 - 24.67	1.0000	1.0000
L61	64	CCI 8.5" x 1.25" Plate	24.42 - 24.67	1.0000	1.0000
L61	67	CCI 8.5" x 1.25" Plate	24.42 - 24.67	1.0000	1.0000
L61	68	CCI 8.5" x 1.25" Plate	24.42 - 24.67	1.0000	1.0000
L61	75	CCI 1.25" x 5.875" Plate	24.42 - 24.67	1.0000	1.0000
L61	76	CCI 1.25" x 5.875" Plate	24.42 - 24.67	1.0000	1.0000
L61	77	CCI 1.25" x 5.875" Plate	24.42 - 24.67	1.0000	1.0000
L61	78	CCI 1.25" x 5.875" Plate	24.42 - 24.67	1.0000	1.0000
L62	2	Safety Line 3/8"	24.00 - 24.42	1.0000	1.0000
L62	3	Climbing Pegs	24.00 - 24.42	1.0000	1.0000
L62	5	LDF7-50A(1-5/8)	24.00 - 24.42	1.0000	1.0000
L62	6	FB-L98B-002-75000(3/8)	24.00 - 24.42	1.0000	1.0000
L62	7	WR-VG86ST-BRD(3/4)	24.00 - 24.42	1.0000	1.0000
L62	8	CONDUIT(2)	24.00 - 24.42	1.0000	1.0000
L62	9	CONDUIT(2)	24.00 - 24.42	1.0000	1.0000
L62	10	LDF7-50A(1-5/8)	24.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
			24.42		
L62	11	FB-L98B-002-75000(3/8)	24.00 -	1.0000	1.0000
			24.42		
L62	12	WR-VG86ST-BRD(3/4)	24.00 -	1.0000	1.0000
			24.42		
L62	17	HB158-21U6S24- xxM_TMO(1-5/8)	24.00 -	1.0000	1.0000
			24.42		
L62	21	561(1-5/8)	24.00 -	1.0000	1.0000
			24.42		
L62	25	CU12PSM9P6XXX(1-1/2)	24.00 -	1.0000	1.0000
			24.42		
L62	30	MP3-05	24.00 -	1.0000	1.0000
			24.42		
L62	31	MP3-05	24.00 -	1.0000	1.0000
			24.42		
L62	32	MP3-05	24.00 -	1.0000	1.0000
			24.42		
L62	39	CCI 6" x 1" Plate	24.00 -	1.0000	1.0000
			24.42		
L62	40	CCI 6" x 1" Plate	24.00 -	1.0000	1.0000
			24.42		
L62	41	CCI 6" x 1" Plate	24.00 -	1.0000	1.0000
			24.42		
L62	49	CCI 6.5" x 1.25" Plate	24.00 -	1.0000	1.0000
			24.42		
L62	50	CCI 6.5" x 1.25" Plate	24.00 -	1.0000	1.0000
			24.42		
L62	51	CCI 6.5" x 1.25" Plate	24.00 -	1.0000	1.0000
			24.42		
L62	64	CCI 8.5" x 1.25" Plate	24.00 -	1.0000	1.0000
			24.42		
L62	67	CCI 8.5" x 1.25" Plate	24.00 -	1.0000	1.0000
			24.42		
L62	68	CCI 8.5" x 1.25" Plate	24.00 -	1.0000	1.0000
			24.42		
L62	75	CCI 1.25" x 5.875" Plate	24.00 -	1.0000	1.0000
			24.42		
L62	76	CCI 1.25" x 5.875" Plate	24.00 -	1.0000	1.0000
			24.42		
L62	77	CCI 1.25" x 5.875" Plate	24.00 -	1.0000	1.0000
			24.42		
L62	78	CCI 1.25" x 5.875" Plate	24.00 -	1.0000	1.0000
			24.42		
L63	2	Safety Line 3/8"	23.75 -	1.0000	1.0000
			24.00		
L63	3	Climbing Pegs	23.75 -	1.0000	1.0000
			24.00		
L63	5	LDF7-50A(1-5/8)	23.75 -	1.0000	1.0000
			24.00		
L63	6	FB-L98B-002-75000(3/8)	23.75 -	1.0000	1.0000
			24.00		
L63	7	WR-VG86ST-BRD(3/4)	23.75 -	1.0000	1.0000
			24.00		
L63	8	CONDUIT(2)	23.75 -	1.0000	1.0000
			24.00		
L63	9	CONDUIT(2)	23.75 -	1.0000	1.0000
			24.00		
L63	10	LDF7-50A(1-5/8)	23.75 -	1.0000	1.0000
			24.00		
L63	11	FB-L98B-002-75000(3/8)	23.75 -	1.0000	1.0000
			24.00		
L63	12	WR-VG86ST-BRD(3/4)	23.75 -	1.0000	1.0000
			24.00		
L63	17	HB158-21U6S24- xxM_TMO(1-5/8)	23.75 -	1.0000	1.0000
			24.00		
L63	21	561(1-5/8)	23.75 -	1.0000	1.0000
			24.00		
L63	25	CU12PSM9P6XXX(1-1/2)	23.75 -	1.0000	1.0000
			24.00		

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L63	30	MP3-05	23.75 - 24.00	1.0000	1.0000
L63	31	MP3-05	23.75 - 24.00	1.0000	1.0000
L63	32	MP3-05	23.75 - 24.00	1.0000	1.0000
L63	39	CCI 6" x 1" Plate	23.75 - 24.00	1.0000	1.0000
L63	40	CCI 6" x 1" Plate	23.75 - 24.00	1.0000	1.0000
L63	41	CCI 6" x 1" Plate	23.75 - 24.00	1.0000	1.0000
L63	49	CCI 6.5" x 1.25" Plate	23.75 - 24.00	1.0000	1.0000
L63	50	CCI 6.5" x 1.25" Plate	23.75 - 24.00	1.0000	1.0000
L63	51	CCI 6.5" x 1.25" Plate	23.75 - 24.00	1.0000	1.0000
L63	64	CCI 8.5" x 1.25" Plate	23.75 - 24.00	1.0000	1.0000
L63	67	CCI 8.5" x 1.25" Plate	23.75 - 24.00	1.0000	1.0000
L63	68	CCI 8.5" x 1.25" Plate	23.75 - 24.00	1.0000	1.0000
L63	75	CCI 1.25" x 5.875" Plate	23.75 - 24.00	1.0000	1.0000
L63	76	CCI 1.25" x 5.875" Plate	23.75 - 24.00	1.0000	1.0000
L63	77	CCI 1.25" x 5.875" Plate	23.75 - 24.00	1.0000	1.0000
L63	78	CCI 1.25" x 5.875" Plate	23.75 - 24.00	1.0000	1.0000
L64	2	Safety Line 3/8"	18.75 - 23.75	1.0000	1.0000
L64	3	Climbing Pegs	18.75 - 23.75	1.0000	1.0000
L64	5	LDF7-50A(1-5/8)	18.75 - 23.75	1.0000	1.0000
L64	6	FB-L98B-002-75000(3/8)	18.75 - 23.75	1.0000	1.0000
L64	7	WR-VG86ST-BRD(3/4)	18.75 - 23.75	1.0000	1.0000
L64	8	CONDUIT(2)	18.75 - 23.75	1.0000	1.0000
L64	9	CONDUIT(2)	18.75 - 23.75	1.0000	1.0000
L64	10	LDF7-50A(1-5/8)	18.75 - 23.75	1.0000	1.0000
L64	11	FB-L98B-002-75000(3/8)	18.75 - 23.75	1.0000	1.0000
L64	12	WR-VG86ST-BRD(3/4)	18.75 - 23.75	1.0000	1.0000
L64	17	HB158-21U6S24-xxM_TMO(1-5/8)	18.75 - 23.75	1.0000	1.0000
L64	21	561(1-5/8)	18.75 - 23.75	1.0000	1.0000
L64	25	CU12PSM9P6XXX(1-1/2)	18.75 - 23.75	1.0000	1.0000
L64	30	MP3-05	18.75 - 23.75	1.0000	1.0000
L64	31	MP3-05	18.75 - 23.75	1.0000	1.0000
L64	32	MP3-05	18.75 - 23.75	1.0000	1.0000
L64	39	CCI 6" x 1" Plate	18.75 - 23.75	1.0000	1.0000
L64	40	CCI 6" x 1" Plate	18.75 - 23.75	1.0000	1.0000
L64	41	CCI 6" x 1" Plate	18.75 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L64	49	CCI 6.5" x 1.25" Plate	23.75 23.00 - 23.75	1.0000	1.0000
L64	50	CCI 6.5" x 1.25" Plate	23.00 - 23.75	1.0000	1.0000
L64	51	CCI 6.5" x 1.25" Plate	23.00 - 23.75	1.0000	1.0000
L64	64	CCI 8.5" x 1.25" Plate	18.75 - 23.75	1.0000	1.0000
L64	67	CCI 8.5" x 1.25" Plate	20.40 - 23.75	1.0000	1.0000
L64	68	CCI 8.5" x 1.25" Plate	20.40 - 23.75	1.0000	1.0000
L64	75	CCI 1.25" x 5.875" Plate	18.75 - 23.75	1.0000	1.0000
L64	76	CCI 1.25" x 5.875" Plate	18.75 - 23.75	1.0000	1.0000
L64	77	CCI 1.25" x 5.875" Plate	18.75 - 23.75	1.0000	1.0000
L64	78	CCI 1.25" x 5.875" Plate	18.75 - 23.75	1.0000	1.0000
L65	2	Safety Line 3/8"	14.08 - 18.75	1.0000	1.0000
L65	3	Climbing Pegs	14.08 - 18.75	1.0000	1.0000
L65	5	LDF7-50A(1-5/8)	14.08 - 18.75	1.0000	1.0000
L65	6	FB-L98B-002-75000(3/8)	14.08 - 18.75	1.0000	1.0000
L65	7	WR-VG86ST-BRD(3/4)	14.08 - 18.75	1.0000	1.0000
L65	8	CONDUIT(2)	14.08 - 18.75	1.0000	1.0000
L65	9	CONDUIT(2)	14.08 - 18.75	1.0000	1.0000
L65	10	LDF7-50A(1-5/8)	14.08 - 18.75	1.0000	1.0000
L65	11	FB-L98B-002-75000(3/8)	14.08 - 18.75	1.0000	1.0000
L65	12	WR-VG86ST-BRD(3/4)	14.08 - 18.75	1.0000	1.0000
L65	17	HB158-21U6S24- xxM_TMO(1-5/8)	14.08 - 18.75	1.0000	1.0000
L65	21	561(1-5/8)	14.08 - 18.75	1.0000	1.0000
L65	25	CU12PSM9P6XXX(1-1/2)	14.08 - 18.75	1.0000	1.0000
L65	30	MP3-05	14.08 - 18.75	1.0000	1.0000
L65	31	MP3-05	14.08 - 18.75	1.0000	1.0000
L65	32	MP3-05	14.08 - 18.75	1.0000	1.0000
L65	36	MP3-04	14.08 - 15.50	1.0000	1.0000
L65	37	MP3-04	14.08 - 15.50	1.0000	1.0000
L65	39	CCI 6" x 1" Plate	14.08 - 18.75	1.0000	1.0000
L65	40	CCI 6" x 1" Plate	14.08 - 18.75	1.0000	1.0000
L65	41	CCI 6" x 1" Plate	14.08 - 18.75	1.0000	1.0000
L65	64	CCI 8.5" x 1.25" Plate	14.08 - 18.75	1.0000	1.0000
L65	75	CCI 1.25" x 5.875" Plate	14.08 - 18.75	1.0000	1.0000
L65	76	CCI 1.25" x 5.875" Plate	14.08 - 18.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L65	77	CCI 1.25" x 5.875" Plate	14.08 - 18.75	1.0000	1.0000
L65	78	CCI 1.25" x 5.875" Plate	14.08 - 18.75	1.0000	1.0000
L66	2	Safety Line 3/8"	13.82 - 14.08	1.0000	1.0000
L66	3	Climbing Pegs	13.82 - 14.08	1.0000	1.0000
L66	5	LDF7-50A(1-5/8)	13.82 - 14.08	1.0000	1.0000
L66	6	FB-L98B-002-75000(3/8)	13.82 - 14.08	1.0000	1.0000
L66	7	WR-VG86ST-BRD(3/4)	13.82 - 14.08	1.0000	1.0000
L66	8	CONDUIT(2)	13.82 - 14.08	1.0000	1.0000
L66	9	CONDUIT(2)	13.82 - 14.08	1.0000	1.0000
L66	10	LDF7-50A(1-5/8)	13.82 - 14.08	1.0000	1.0000
L66	11	FB-L98B-002-75000(3/8)	13.82 - 14.08	1.0000	1.0000
L66	12	WR-VG86ST-BRD(3/4)	13.82 - 14.08	1.0000	1.0000
L66	17	HB158-21U6S24-xxM_TMO(1-5/8)	13.82 - 14.08	1.0000	1.0000
L66	21	561(1-5/8)	13.82 - 14.08	1.0000	1.0000
L66	25	CU12PSM9P6XXX(1-1/2)	13.82 - 14.08	1.0000	1.0000
L66	30	MP3-05	13.82 - 14.08	1.0000	1.0000
L66	31	MP3-05	13.82 - 14.08	1.0000	1.0000
L66	32	MP3-05	13.82 - 14.08	1.0000	1.0000
L66	36	MP3-04	13.82 - 14.08	1.0000	1.0000
L66	37	MP3-04	13.82 - 14.08	1.0000	1.0000
L66	39	CCI 6" x 1" Plate	13.82 - 14.08	1.0000	1.0000
L66	40	CCI 6" x 1" Plate	13.82 - 14.08	1.0000	1.0000
L66	41	CCI 6" x 1" Plate	13.82 - 14.08	1.0000	1.0000
L66	64	CCI 8.5" x 1.25" Plate	13.82 - 14.08	1.0000	1.0000
L66	75	CCI 1.25" x 5.875" Plate	13.82 - 14.08	1.0000	1.0000
L66	76	CCI 1.25" x 5.875" Plate	13.82 - 14.08	1.0000	1.0000
L66	77	CCI 1.25" x 5.875" Plate	13.82 - 14.08	1.0000	1.0000
L66	78	CCI 1.25" x 5.875" Plate	13.82 - 14.08	1.0000	1.0000
L67	2	Safety Line 3/8"	13.67 - 13.82	1.0000	1.0000
L67	3	Climbing Pegs	13.67 - 13.82	1.0000	1.0000
L67	5	LDF7-50A(1-5/8)	13.67 - 13.82	1.0000	1.0000
L67	6	FB-L98B-002-75000(3/8)	13.67 - 13.82	1.0000	1.0000
L67	7	WR-VG86ST-BRD(3/4)	13.67 - 13.82	1.0000	1.0000
L67	8	CONDUIT(2)	13.67 - 13.82	1.0000	1.0000
L67	9	CONDUIT(2)	13.67 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L67	10	LDF7-50A(1-5/8)	13.82 13.67 -	1.0000	1.0000
L67	11	FB-L98B-002-75000(3/8)	13.82 13.67 -	1.0000	1.0000
L67	12	WR-VG86ST-BRD(3/4)	13.82 13.67 -	1.0000	1.0000
L67	17	HB158-21U6S24-xxM_TMO(1-5/8)	13.82 13.67 -	1.0000	1.0000
L67	21	561(1-5/8)	13.82 13.67 -	1.0000	1.0000
L67	25	CU12PSM9P6XXX(1-1/2)	13.82 13.67 -	1.0000	1.0000
L67	30	MP3-05	13.82 13.67 -	1.0000	1.0000
L67	31	MP3-05	13.82 13.67 -	1.0000	1.0000
L67	32	MP3-05	13.82 13.67 -	1.0000	1.0000
L67	36	MP3-04	13.82 13.67 -	1.0000	1.0000
L67	37	MP3-04	13.82 13.67 -	1.0000	1.0000
L67	39	CCI 6" x 1" Plate	13.82 13.67 -	1.0000	1.0000
L67	40	CCI 6" x 1" Plate	13.82 13.67 -	1.0000	1.0000
L67	41	CCI 6" x 1" Plate	13.82 13.67 -	1.0000	1.0000
L67	64	CCI 8.5" x 1.25" Plate	13.82 13.67 -	1.0000	1.0000
L67	75	CCI 1.25" x 5.875" Plate	13.82 13.67 -	1.0000	1.0000
L67	76	CCI 1.25" x 5.875" Plate	13.82 13.67 -	1.0000	1.0000
L67	77	CCI 1.25" x 5.875" Plate	13.82 13.67 -	1.0000	1.0000
L67	78	CCI 1.25" x 5.875" Plate	13.82 13.67 -	1.0000	1.0000
L68	2	Safety Line 3/8"	13.82 10.50 -	1.0000	1.0000
L68	3	Climbing Pegs	13.67 10.50 -	1.0000	1.0000
L68	5	LDF7-50A(1-5/8)	13.67 10.50 -	1.0000	1.0000
L68	6	FB-L98B-002-75000(3/8)	13.67 10.50 -	1.0000	1.0000
L68	7	WR-VG86ST-BRD(3/4)	13.67 10.50 -	1.0000	1.0000
L68	8	CONDUIT(2)	13.67 10.50 -	1.0000	1.0000
L68	9	CONDUIT(2)	13.67 10.50 -	1.0000	1.0000
L68	10	LDF7-50A(1-5/8)	13.67 10.50 -	1.0000	1.0000
L68	11	FB-L98B-002-75000(3/8)	13.67 10.50 -	1.0000	1.0000
L68	12	WR-VG86ST-BRD(3/4)	13.67 10.50 -	1.0000	1.0000
L68	17	HB158-21U6S24-xxM_TMO(1-5/8)	13.67 10.50 -	1.0000	1.0000
L68	21	561(1-5/8)	13.67 10.50 -	1.0000	1.0000
L68	25	CU12PSM9P6XXX(1-1/2)	13.67 10.50 -	1.0000	1.0000
L68	30	MP3-05	13.67 11.50 -	1.0000	1.0000
L68	31	MP3-05	13.67 10.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L68	32	MP3-05	10.50 - 13.67	1.0000	1.0000
L68	36	MP3-04	10.50 - 13.67	1.0000	1.0000
L68	37	MP3-04	10.50 - 13.67	1.0000	1.0000
L68	39	CCI 6" x 1" Plate	10.50 - 13.67	1.0000	1.0000
L68	40	CCI 6" x 1" Plate	10.50 - 13.67	1.0000	1.0000
L68	41	CCI 6" x 1" Plate	10.50 - 13.67	1.0000	1.0000
L68	64	CCI 8.5" x 1.25" Plate	10.50 - 13.67	1.0000	1.0000
L68	75	CCI 1.25" x 5.875" Plate	10.50 - 13.67	1.0000	1.0000
L68	76	CCI 1.25" x 5.875" Plate	10.50 - 13.67	1.0000	1.0000
L68	77	CCI 1.25" x 5.875" Plate	10.50 - 13.67	1.0000	1.0000
L68	78	CCI 1.25" x 5.875" Plate	10.50 - 13.67	1.0000	1.0000
L69	2	Safety Line 3/8"	10.25 - 10.50	1.0000	1.0000
L69	3	Climbing Pegs	10.25 - 10.50	1.0000	1.0000
L69	5	LDF7-50A(1-5/8)	10.25 - 10.50	1.0000	1.0000
L69	6	FB-L98B-002-75000(3/8)	10.25 - 10.50	1.0000	1.0000
L69	7	WR-VG86ST-BRD(3/4)	10.25 - 10.50	1.0000	1.0000
L69	8	CONDUIT(2)	10.25 - 10.50	1.0000	1.0000
L69	9	CONDUIT(2)	10.25 - 10.50	1.0000	1.0000
L69	10	LDF7-50A(1-5/8)	10.25 - 10.50	1.0000	1.0000
L69	11	FB-L98B-002-75000(3/8)	10.25 - 10.50	1.0000	1.0000
L69	12	WR-VG86ST-BRD(3/4)	10.25 - 10.50	1.0000	1.0000
L69	17	HB158-21U6S24-xxM_TMO(1-5/8)	10.25 - 10.50	1.0000	1.0000
L69	21	561(1-5/8)	10.25 - 10.50	1.0000	1.0000
L69	25	CU12PSM9P6XXX(1-1/2)	10.25 - 10.50	1.0000	1.0000
L69	31	MP3-05	10.25 - 10.50	1.0000	1.0000
L69	32	MP3-05	10.25 - 10.50	1.0000	1.0000
L69	36	MP3-04	10.25 - 10.50	1.0000	1.0000
L69	37	MP3-04	10.25 - 10.50	1.0000	1.0000
L69	39	CCI 6" x 1" Plate	10.25 - 10.50	1.0000	1.0000
L69	40	CCI 6" x 1" Plate	10.25 - 10.50	1.0000	1.0000
L69	41	CCI 6" x 1" Plate	10.25 - 10.50	1.0000	1.0000
L69	63	CCI 6" x 1" Plate	10.25 - 10.50	1.0000	1.0000
L69	75	CCI 1.25" x 5.875" Plate	10.25 - 10.50	1.0000	1.0000
L69	76	CCI 1.25" x 5.875" Plate	10.25 - 10.50	1.0000	1.0000
L69	77	CCI 1.25" x 5.875" Plate	10.25 - 10.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L69	78	CCI 1.25" x 5.875" Plate	10.50 10.25 - 10.50	1.0000	1.0000
L70	2	Safety Line 3/8"	5.25 - 10.25	1.0000	1.0000
L70	3	Climbing Pegs	5.25 - 10.25	1.0000	1.0000
L70	5	LDF7-50A(1-5/8)	6.00 - 10.25	1.0000	1.0000
L70	6	FB-L98B-002-75000(3/8)	6.00 - 10.25	1.0000	1.0000
L70	7	WR-VG86ST-BRD(3/4)	6.00 - 10.25	1.0000	1.0000
L70	8	CONDUIT(2)	6.00 - 10.25	1.0000	1.0000
L70	9	CONDUIT(2)	6.00 - 10.25	1.0000	1.0000
L70	10	LDF7-50A(1-5/8)	6.00 - 10.25	1.0000	1.0000
L70	11	FB-L98B-002-75000(3/8)	6.00 - 10.25	1.0000	1.0000
L70	12	WR-VG86ST-BRD(3/4)	6.00 - 10.25	1.0000	1.0000
L70	17	HB158-21U6S24-xxM_TMO(1-5/8)	5.25 - 10.25	1.0000	1.0000
L70	21	561(1-5/8)	6.00 - 10.25	1.0000	1.0000
L70	25	CU12PSM9P6XXX(1-1/2)	5.25 - 10.25	1.0000	1.0000
L70	31	MP3-05	5.25 - 10.25	1.0000	1.0000
L70	32	MP3-05	5.25 - 10.25	1.0000	1.0000
L70	36	MP3-04	5.25 - 10.25	1.0000	1.0000
L70	37	MP3-04	5.25 - 10.25	1.0000	1.0000
L70	39	CCI 6" x 1" Plate	5.25 - 10.25	1.0000	1.0000
L70	40	CCI 6" x 1" Plate	5.25 - 10.25	1.0000	1.0000
L70	41	CCI 6" x 1" Plate	5.25 - 10.25	1.0000	1.0000
L70	63	CCI 6" x 1" Plate	5.25 - 10.25	1.0000	1.0000
L70	75	CCI 1.25" x 5.875" Plate	5.25 - 10.25	1.0000	1.0000
L70	76	CCI 1.25" x 5.875" Plate	5.25 - 10.25	1.0000	1.0000
L70	77	CCI 1.25" x 5.875" Plate	5.25 - 10.25	1.0000	1.0000
L70	78	CCI 1.25" x 5.875" Plate	5.25 - 10.25	1.0000	1.0000
L71	2	Safety Line 3/8"	2.90 - 5.25	1.0000	1.0000
L71	3	Climbing Pegs	2.90 - 5.25	1.0000	1.0000
L71	17	HB158-21U6S24-xxM_TMO(1-5/8)	2.90 - 5.25	1.0000	1.0000
L71	25	CU12PSM9P6XXX(1-1/2)	2.90 - 5.25	1.0000	1.0000
L71	31	MP3-05	2.90 - 5.25	1.0000	1.0000
L71	32	MP3-05	2.90 - 5.25	1.0000	1.0000
L71	36	MP3-04	2.90 - 5.25	1.0000	1.0000
L71	37	MP3-04	2.90 - 5.25	1.0000	1.0000
L71	39	CCI 6" x 1" Plate	2.90 - 5.25	1.0000	1.0000
L71	40	CCI 6" x 1" Plate	2.90 - 5.25	1.0000	1.0000
L71	41	CCI 6" x 1" Plate	2.90 - 5.25	1.0000	1.0000
L71	63	CCI 6" x 1" Plate	2.90 - 5.25	1.0000	1.0000
L71	75	CCI 1.25" x 5.875" Plate	2.90 - 5.25	1.0000	1.0000
L71	76	CCI 1.25" x 5.875" Plate	2.90 - 5.25	1.0000	1.0000
L71	77	CCI 1.25" x 5.875" Plate	2.90 - 5.25	1.0000	1.0000
L71	78	CCI 1.25" x 5.875" Plate	2.90 - 5.25	1.0000	1.0000
L72	2	Safety Line 3/8"	2.65 - 2.90	1.0000	1.0000
L72	3	Climbing Pegs	2.65 - 2.90	1.0000	1.0000
L72	17	HB158-21U6S24-xxM_TMO(1-5/8)	2.65 - 2.90	1.0000	1.0000
L72	25	CU12PSM9P6XXX(1-1/2)	2.65 - 2.90	1.0000	1.0000
L72	31	MP3-05	2.65 - 2.90	1.0000	1.0000
L72	32	MP3-05	2.65 - 2.90	1.0000	1.0000
L72	36	MP3-04	2.65 - 2.90	1.0000	1.0000
L72	37	MP3-04	2.65 - 2.90	1.0000	1.0000
L72	39	CCI 6" x 1" Plate	2.65 - 2.90	1.0000	1.0000
L72	40	CCI 6" x 1" Plate	2.65 - 2.90	1.0000	1.0000
L72	41	CCI 6" x 1" Plate	2.65 - 2.90	1.0000	1.0000
L72	63	CCI 6" x 1" Plate	2.65 - 2.90	1.0000	1.0000
L72	75	CCI 1.25" x 5.875" Plate	2.65 - 2.90	1.0000	1.0000
L72	76	CCI 1.25" x 5.875" Plate	2.65 - 2.90	1.0000	1.0000
L72	77	CCI 1.25" x 5.875" Plate	2.65 - 2.90	1.0000	1.0000
L72	78	CCI 1.25" x 5.875" Plate	2.65 - 2.90	1.0000	1.0000
L73	2	Safety Line 3/8"	2.50 - 2.65	1.0000	1.0000
L73	3	Climbing Pegs	2.50 - 2.65	1.0000	1.0000
L73	17	HB158-21U6S24-xxM_TMO(1-5/8)	2.50 - 2.65	1.0000	1.0000
L73	25	CU12PSM9P6XXX(1-1/2)	2.50 - 2.65	1.0000	1.0000
L73	31	MP3-05	2.50 - 2.65	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L73	32	MP3-05	2.50 - 2.65	1.0000	1.0000
L73	36	MP3-04	2.50 - 2.65	1.0000	1.0000
L73	37	MP3-04	2.50 - 2.65	1.0000	1.0000
L73	39	CCI 6" x 1" Plate	2.50 - 2.65	1.0000	1.0000
L73	40	CCI 6" x 1" Plate	2.50 - 2.65	1.0000	1.0000
L73	41	CCI 6" x 1" Plate	2.50 - 2.65	1.0000	1.0000
L73	63	CCI 6" x 1" Plate	2.50 - 2.65	1.0000	1.0000
L73	75	CCI 1.25" x 5.875" Plate	2.50 - 2.65	1.0000	1.0000
L73	76	CCI 1.25" x 5.875" Plate	2.50 - 2.65	1.0000	1.0000
L73	77	CCI 1.25" x 5.875" Plate	2.50 - 2.65	1.0000	1.0000
L73	78	CCI 1.25" x 5.875" Plate	2.50 - 2.65	1.0000	1.0000
L74	2	Safety Line 3/8"	2.25 - 2.50	1.0000	1.0000
L74	3	Climbing Pegs	2.25 - 2.50	1.0000	1.0000
L74	17	HB158-21U6S24- xxM_TMO(1-5/8)	2.25 - 2.50	1.0000	1.0000
L74	25	CU12PSM9P6XXX(1-1/2)	2.25 - 2.50	1.0000	1.0000
L74	31	MP3-05	2.25 - 2.50	1.0000	1.0000
L74	32	MP3-05	2.25 - 2.50	1.0000	1.0000
L74	36	MP3-04	2.25 - 2.50	1.0000	1.0000
L74	37	MP3-04	2.25 - 2.50	1.0000	1.0000
L74	39	CCI 6" x 1" Plate	2.25 - 2.50	1.0000	1.0000
L74	40	CCI 6" x 1" Plate	2.25 - 2.50	1.0000	1.0000
L74	41	CCI 6" x 1" Plate	2.25 - 2.50	1.0000	1.0000
L74	63	CCI 6" x 1" Plate	2.25 - 2.50	1.0000	1.0000
L74	75	CCI 1.25" x 5.875" Plate	2.25 - 2.50	1.0000	1.0000
L74	76	CCI 1.25" x 5.875" Plate	2.25 - 2.50	1.0000	1.0000
L74	77	CCI 1.25" x 5.875" Plate	2.25 - 2.50	1.0000	1.0000
L74	78	CCI 1.25" x 5.875" Plate	2.25 - 2.50	1.0000	1.0000
L75	2	Safety Line 3/8"	1.92 - 2.25	1.0000	1.0000
L75	3	Climbing Pegs	1.92 - 2.25	1.0000	1.0000
L75	17	HB158-21U6S24- xxM_TMO(1-5/8)	1.92 - 2.25	1.0000	1.0000
L75	25	CU12PSM9P6XXX(1-1/2)	1.92 - 2.25	1.0000	1.0000
L75	31	MP3-05	1.92 - 2.25	1.0000	1.0000
L75	32	MP3-05	1.92 - 2.25	1.0000	1.0000
L75	36	MP3-04	1.92 - 2.25	1.0000	1.0000
L75	37	MP3-04	1.92 - 2.25	1.0000	1.0000
L75	39	CCI 6" x 1" Plate	1.92 - 2.25	1.0000	1.0000
L75	40	CCI 6" x 1" Plate	1.92 - 2.25	1.0000	1.0000
L75	41	CCI 6" x 1" Plate	1.92 - 2.25	1.0000	1.0000
L75	63	CCI 6" x 1" Plate	1.92 - 2.25	1.0000	1.0000
L75	75	CCI 1.25" x 5.875" Plate	1.92 - 2.25	1.0000	1.0000
L75	76	CCI 1.25" x 5.875" Plate	1.92 - 2.25	1.0000	1.0000
L75	77	CCI 1.25" x 5.875" Plate	1.92 - 2.25	1.0000	1.0000
L75	78	CCI 1.25" x 5.875" Plate	1.92 - 2.25	1.0000	1.0000
L76	2	Safety Line 3/8"	1.67 - 1.92	1.0000	1.0000
L76	3	Climbing Pegs	1.67 - 1.92	1.0000	1.0000
L76	17	HB158-21U6S24- xxM_TMO(1-5/8)	1.67 - 1.92	1.0000	1.0000
L76	25	CU12PSM9P6XXX(1-1/2)	1.67 - 1.92	1.0000	1.0000
L76	31	MP3-05	1.67 - 1.92	1.0000	1.0000
L76	32	MP3-05	1.67 - 1.92	1.0000	1.0000
L76	36	MP3-04	1.67 - 1.92	1.0000	1.0000
L76	37	MP3-04	1.67 - 1.92	1.0000	1.0000
L76	39	CCI 6" x 1" Plate	1.67 - 1.92	1.0000	1.0000
L76	40	CCI 6" x 1" Plate	1.67 - 1.92	1.0000	1.0000
L76	41	CCI 6" x 1" Plate	1.67 - 1.92	1.0000	1.0000
L76	63	CCI 6" x 1" Plate	1.67 - 1.92	1.0000	1.0000
L76	75	CCI 1.25" x 5.875" Plate	1.67 - 1.92	1.0000	1.0000
L76	76	CCI 1.25" x 5.875" Plate	1.67 - 1.92	1.0000	1.0000
L76	77	CCI 1.25" x 5.875" Plate	1.67 - 1.92	1.0000	1.0000
L76	78	CCI 1.25" x 5.875" Plate	1.67 - 1.92	1.0000	1.0000
L77	2	Safety Line 3/8"	0.00 - 1.67	1.0000	1.0000
L77	3	Climbing Pegs	0.00 - 1.67	1.0000	1.0000
L77	17	HB158-21U6S24- xxM_TMO(1-5/8)	0.00 - 1.67	1.0000	1.0000
L77	25	CU12PSM9P6XXX(1-1/2)	0.00 - 1.67	1.0000	1.0000
L77	31	MP3-05	0.00 - 1.67	1.0000	1.0000
L77	32	MP3-05	0.00 - 1.67	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L77	36	MP3-04	0.00 - 1.67	1.0000	1.0000
L77	37	MP3-04	0.00 - 1.67	1.0000	1.0000
L77	39	CCI 6" x 1" Plate	0.00 - 1.67	1.0000	1.0000
L77	40	CCI 6" x 1" Plate	0.00 - 1.67	1.0000	1.0000
L77	41	CCI 6" x 1" Plate	0.00 - 1.67	1.0000	1.0000
L77	63	CCI 6" x 1" Plate	0.00 - 1.67	1.0000	1.0000
L77	75	CCI 1.25" x 5.875" Plate	0.00 - 1.67	1.0000	1.0000
L77	76	CCI 1.25" x 5.875" Plate	0.00 - 1.67	1.0000	1.0000
L77	77	CCI 1.25" x 5.875" Plate	0.00 - 1.67	1.0000	1.0000
L77	78	CCI 1.25" x 5.875" Plate	0.00 - 1.67	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
L9	71	CCI 6" x 1" Plate	121.33 - 122.60	Auto	0.0000
L9	72	CCI 6" x 1" Plate	121.33 - 122.60	Auto	0.0000
L9	73	CCI 6" x 1" Plate	121.33 - 122.60	Auto	0.0000
L10	71	CCI 6" x 1" Plate	120.08 - 121.33	Auto	0.0000
L10	72	CCI 6" x 1" Plate	120.08 - 121.33	Auto	0.0000
L10	73	CCI 6" x 1" Plate	120.08 - 121.33	Auto	0.0000
L11	71	CCI 6" x 1" Plate	119.83 - 120.08	Auto	0.0174
L11	72	CCI 6" x 1" Plate	119.83 - 120.08	Auto	0.0174
L11	73	CCI 6" x 1" Plate	119.83 - 120.08	Auto	0.0174
L12	61	CCI 4.5" x 1" Plate	117.50 - 119.00	Auto	0.0000
L12	71	CCI 6" x 1" Plate	117.50 - 119.83	Auto	0.0069
L12	72	CCI 6" x 1" Plate	117.50 - 119.83	Auto	0.0069
L12	73	CCI 6" x 1" Plate	117.50 - 119.83	Auto	0.0069
L13	61	CCI 4.5" x 1" Plate	117.25 - 117.50	Auto	0.0000
L13	71	CCI 6" x 1" Plate	117.25 - 117.50	Auto	0.0016
L13	72	CCI 6" x 1" Plate	117.25 - 117.50	Auto	0.0016
L13	73	CCI 6" x 1" Plate	117.25 - 117.50	Auto	0.0016
L14	59	CCI 4.5" x 1" Plate	115.50 - 117.00	Auto	0.0000
L14	60	CCI 4.5" x 1" Plate	115.50 - 117.00	Auto	0.0000
L14	61	CCI 4.5" x 1" Plate	115.50 - 117.25	Auto	0.0000
L14	71	CCI 6" x 1" Plate	115.50 - 117.25	Auto	0.0000
L14	72	CCI 6" x 1" Plate	115.50 - 117.25	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L14	73	CCI 6" x 1" Plate	115.50 - 117.25	Auto	0.0000
L15	59	CCI 4.5" x 1" Plate	115.25 - 115.50	Auto	0.0000
L15	60	CCI 4.5" x 1" Plate	115.25 - 115.50	Auto	0.0000
L15	61	CCI 4.5" x 1" Plate	115.25 - 115.50	Auto	0.0000
L15	71	CCI 6" x 1" Plate	115.25 - 115.50	Auto	0.0577
L15	72	CCI 6" x 1" Plate	115.25 - 115.50	Auto	0.0577
L15	73	CCI 6" x 1" Plate	115.25 - 115.50	Auto	0.0577
L16	59	CCI 4.5" x 1" Plate	110.25 - 115.25	Auto	0.0000
L16	60	CCI 4.5" x 1" Plate	110.25 - 115.25	Auto	0.0000
L16	61	CCI 4.5" x 1" Plate	110.25 - 115.25	Auto	0.0000
L16	71	CCI 6" x 1" Plate	110.25 - 115.25	Auto	0.0305
L16	72	CCI 6" x 1" Plate	110.25 - 115.25	Auto	0.0305
L16	73	CCI 6" x 1" Plate	110.25 - 115.25	Auto	0.0305
L17	59	CCI 4.5" x 1" Plate	104.08 - 110.25	Auto	0.0000
L17	60	CCI 4.5" x 1" Plate	104.08 - 110.25	Auto	0.0000
L17	61	CCI 4.5" x 1" Plate	104.08 - 110.25	Auto	0.0000
L17	71	CCI 6" x 1" Plate	104.08 - 110.25	Auto	0.0002
L17	72	CCI 6" x 1" Plate	104.08 - 110.25	Auto	0.0002
L17	73	CCI 6" x 1" Plate	104.08 - 110.25	Auto	0.0002
L18	59	CCI 4.5" x 1" Plate	102.82 - 104.08	Auto	0.0000
L18	60	CCI 4.5" x 1" Plate	102.82 - 104.08	Auto	0.0000
L18	61	CCI 4.5" x 1" Plate	102.82 - 104.08	Auto	0.0000
L18	71	CCI 6" x 1" Plate	102.82 - 104.08	Auto	0.0006
L18	72	CCI 6" x 1" Plate	102.82 - 104.08	Auto	0.0006
L18	73	CCI 6" x 1" Plate	102.82 - 104.08	Auto	0.0006
L19	59	CCI 4.5" x 1" Plate	100.50 - 102.82	Auto	0.0000
L19	60	CCI 4.5" x 1" Plate	100.50 - 102.82	Auto	0.0000
L19	61	CCI 4.5" x 1" Plate	100.50 - 102.82	Auto	0.0000
L19	71	CCI 6" x 1" Plate	100.50 - 102.82	Auto	0.0000
L19	72	CCI 6" x 1" Plate	100.50 - 102.82	Auto	0.0000
L19	73	CCI 6" x 1" Plate	100.60 - 102.82	Auto	0.0000
L20	45	CCI 6" x 1" Plate	100.25 - 100.50	Auto	0.0000
L20	46	CCI 6" x 1" Plate	100.25 - 100.50	Auto	0.0000
L20	47	CCI 6" x 1" Plate	100.25 - 100.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L20	59	CCI 4.5" x 1" Plate	100.25 - 100.50	Auto	0.0000
L20	60	CCI 4.5" x 1" Plate	100.25 - 100.50	Auto	0.0000
L20	61	CCI 4.5" x 1" Plate	100.25 - 100.50	Auto	0.0000
L20	71	CCI 6" x 1" Plate	100.25 - 100.50	Auto	0.0000
L20	72	CCI 6" x 1" Plate	100.25 - 100.50	Auto	0.0000
L21	45	CCI 6" x 1" Plate	98.50 - 100.25	Auto	0.0000
L21	46	CCI 6" x 1" Plate	98.50 - 100.25	Auto	0.0000
L21	47	CCI 6" x 1" Plate	98.50 - 100.25	Auto	0.0000
L21	59	CCI 4.5" x 1" Plate	98.50 - 100.25	Auto	0.0000
L21	60	CCI 4.5" x 1" Plate	98.50 - 100.25	Auto	0.0000
L21	61	CCI 4.5" x 1" Plate	99.00 - 100.25	Auto	0.0000
L21	71	CCI 6" x 1" Plate	98.50 - 100.25	Auto	0.0000
L21	72	CCI 6" x 1" Plate	98.50 - 100.25	Auto	0.0000
L22	45	CCI 6" x 1" Plate	98.25 - 98.50	Auto	0.0000
L22	46	CCI 6" x 1" Plate	98.25 - 98.50	Auto	0.0000
L22	47	CCI 6" x 1" Plate	98.25 - 98.50	Auto	0.0000
L22	59	CCI 4.5" x 1" Plate	98.25 - 98.50	Auto	0.0000
L22	60	CCI 4.5" x 1" Plate	98.25 - 98.50	Auto	0.0000
L22	71	CCI 6" x 1" Plate	98.25 - 98.50	Auto	0.0000
L22	72	CCI 6" x 1" Plate	98.25 - 98.50	Auto	0.0000
L23	45	CCI 6" x 1" Plate	93.25 - 98.25	Auto	0.0000
L23	46	CCI 6" x 1" Plate	93.25 - 98.25	Auto	0.0000
L23	47	CCI 6" x 1" Plate	93.25 - 98.25	Auto	0.0000
L23	59	CCI 4.5" x 1" Plate	97.00 - 98.25	Auto	0.0000
L23	60	CCI 4.5" x 1" Plate	97.00 - 98.25	Auto	0.0000
L23	71	CCI 6" x 1" Plate	93.25 - 98.25	Auto	0.0000
L23	72	CCI 6" x 1" Plate	93.25 - 98.25	Auto	0.0000
L24	45	CCI 6" x 1" Plate	90.50 - 93.25	Auto	0.0000
L24	46	CCI 6" x 1" Plate	90.50 - 93.25	Auto	0.0000
L24	47	CCI 6" x 1" Plate	90.50 - 93.25	Auto	0.0000
L24	71	CCI 6" x 1" Plate	90.60 - 93.25	Auto	0.0000
L24	72	CCI 6" x 1" Plate	90.60 - 93.25	Auto	0.0000
L25	45	CCI 6" x 1" Plate	90.25 - 90.50	Auto	0.0000
L25	46	CCI 6" x 1" Plate	90.25 - 90.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L25	47	CCI 6" x 1" Plate	90.25 - 90.50	Auto	0.0000
L25	69	CCI 8.5" x 1.25" Plate	90.25 - 90.50	Auto	0.2129
L25	70	CCI 8.5" x 1.25" Plate	90.25 - 90.50	Auto	0.2129
L26	45	CCI 6" x 1" Plate	85.25 - 90.25	Auto	0.0000
L26	46	CCI 6" x 1" Plate	85.25 - 90.25	Auto	0.0000
L26	47	CCI 6" x 1" Plate	85.25 - 90.25	Auto	0.0000
L26	55	CCI 6.5" x 1.25" Plate	85.25 - 85.50	Auto	0.0000
L26	56	CCI 6.5" x 1.25" Plate	85.25 - 85.50	Auto	0.0000
L26	57	CCI 6.5" x 1.25" Plate	85.25 - 85.50	Auto	0.0000
L26	69	CCI 8.5" x 1.25" Plate	85.25 - 90.25	Auto	0.1937
L26	70	CCI 8.5" x 1.25" Plate	85.25 - 90.25	Auto	0.1937
L27	45	CCI 6" x 1" Plate	83.50 - 85.25	Auto	0.0000
L27	46	CCI 6" x 1" Plate	83.50 - 85.25	Auto	0.0000
L27	47	CCI 6" x 1" Plate	83.50 - 85.25	Auto	0.0000
L27	55	CCI 6.5" x 1.25" Plate	83.50 - 85.25	Auto	0.0000
L27	56	CCI 6.5" x 1.25" Plate	83.50 - 85.25	Auto	0.0000
L27	57	CCI 6.5" x 1.25" Plate	83.50 - 85.25	Auto	0.0000
L27	65	CCI 8.5" x 1.25" Plate	83.50 - 85.00	Auto	0.1694
L27	69	CCI 8.5" x 1.25" Plate	83.50 - 85.25	Auto	0.1701
L27	70	CCI 8.5" x 1.25" Plate	83.50 - 85.25	Auto	0.1701
L28	45	CCI 6" x 1" Plate	83.25 - 83.50	Auto	0.0000
L28	46	CCI 6" x 1" Plate	83.25 - 83.50	Auto	0.0000
L28	47	CCI 6" x 1" Plate	83.25 - 83.50	Auto	0.0000
L28	55	CCI 6.5" x 1.25" Plate	83.25 - 83.50	Auto	0.0102
L28	56	CCI 6.5" x 1.25" Plate	83.25 - 83.50	Auto	0.0102
L28	57	CCI 6.5" x 1.25" Plate	83.25 - 83.50	Auto	0.0102
L28	65	CCI 8.5" x 1.25" Plate	83.25 - 83.50	Auto	0.2431
L28	69	CCI 8.5" x 1.25" Plate	83.25 - 83.50	Auto	0.2431
L28	70	CCI 8.5" x 1.25" Plate	83.25 - 83.50	Auto	0.2431
L29	45	CCI 6" x 1" Plate	80.75 - 83.25	Auto	0.0000
L29	46	CCI 6" x 1" Plate	80.75 - 83.25	Auto	0.0000
L29	47	CCI 6" x 1" Plate	80.75 - 83.25	Auto	0.0000
L29	55	CCI 6.5" x 1.25" Plate	80.75 - 83.25	Auto	0.0000
L29	56	CCI 6.5" x 1.25" Plate	80.75 - 83.25	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L29	57	CCI 6.5" x 1.25" Plate	80.75 - 83.25	Auto	0.0000
L29	65	CCI 8.5" x 1.25" Plate	80.75 - 83.25	Auto	0.2272
L29	69	CCI 8.5" x 1.25" Plate	80.75 - 83.25	Auto	0.2272
L29	70	CCI 8.5" x 1.25" Plate	80.75 - 83.25	Auto	0.2272
L30	45	CCI 6" x 1" Plate	80.50 - 80.75	Auto	0.0000
L30	46	CCI 6" x 1" Plate	80.50 - 80.75	Auto	0.0000
L30	47	CCI 6" x 1" Plate	80.50 - 80.75	Auto	0.0000
L30	55	CCI 6.5" x 1.25" Plate	80.50 - 80.75	Auto	0.0511
L30	56	CCI 6.5" x 1.25" Plate	80.50 - 80.75	Auto	0.0511
L30	57	CCI 6.5" x 1.25" Plate	80.50 - 80.75	Auto	0.0511
L30	65	CCI 8.5" x 1.25" Plate	80.50 - 80.75	Auto	0.2744
L30	69	CCI 8.5" x 1.25" Plate	80.50 - 80.75	Auto	0.2744
L30	70	CCI 8.5" x 1.25" Plate	80.50 - 80.75	Auto	0.2744
L31	45	CCI 6" x 1" Plate	80.25 - 80.50	Auto	0.0000
L31	46	CCI 6" x 1" Plate	80.25 - 80.50	Auto	0.0000
L31	47	CCI 6" x 1" Plate	80.25 - 80.50	Auto	0.0000
L31	55	CCI 6.5" x 1.25" Plate	80.25 - 80.50	Auto	0.0131
L31	56	CCI 6.5" x 1.25" Plate	80.25 - 80.50	Auto	0.0131
L31	57	CCI 6.5" x 1.25" Plate	80.25 - 80.50	Auto	0.0131
L31	65	CCI 8.5" x 1.25" Plate	80.25 - 80.50	Auto	0.2453
L31	69	CCI 8.5" x 1.25" Plate	80.25 - 80.50	Auto	0.2453
L31	70	CCI 8.5" x 1.25" Plate	80.25 - 80.50	Auto	0.2453
L32	45	CCI 6" x 1" Plate	77.50 - 80.25	Auto	0.0000
L32	46	CCI 6" x 1" Plate	77.50 - 80.25	Auto	0.0000
L32	47	CCI 6" x 1" Plate	77.50 - 80.25	Auto	0.0000
L32	55	CCI 6.5" x 1.25" Plate	77.50 - 80.25	Auto	0.0012
L32	56	CCI 6.5" x 1.25" Plate	77.50 - 80.25	Auto	0.0012
L32	57	CCI 6.5" x 1.25" Plate	77.50 - 80.25	Auto	0.0012
L32	65	CCI 8.5" x 1.25" Plate	77.50 - 80.25	Auto	0.2327
L32	69	CCI 8.5" x 1.25" Plate	77.50 - 80.25	Auto	0.2327
L32	70	CCI 8.5" x 1.25" Plate	77.50 - 80.25	Auto	0.2327
L33	45	CCI 6" x 1" Plate	77.25 - 77.50	Auto	0.0000
L33	46	CCI 6" x 1" Plate	77.25 - 77.50	Auto	0.0000
L33	47	CCI 6" x 1" Plate	77.25 - 77.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L33	55	CCI 6.5" x 1.25" Plate	77.25 - 77.50	Auto	0.0000
L33	56	CCI 6.5" x 1.25" Plate	77.25 - 77.50	Auto	0.0000
L33	57	CCI 6.5" x 1.25" Plate	77.25 - 77.50	Auto	0.0000
L33	65	CCI 8.5" x 1.25" Plate	77.25 - 77.50	Auto	0.1372
L33	69	CCI 8.5" x 1.25" Plate	77.25 - 77.50	Auto	0.1372
L33	70	CCI 8.5" x 1.25" Plate	77.25 - 77.50	Auto	0.1372
L34	45	CCI 6" x 1" Plate	68.82 - 77.25	Auto	0.0000
L34	46	CCI 6" x 1" Plate	68.82 - 77.25	Auto	0.0000
L34	47	CCI 6" x 1" Plate	68.82 - 77.25	Auto	0.0000
L34	55	CCI 6.5" x 1.25" Plate	72.50 - 77.25	Auto	0.0000
L34	56	CCI 6.5" x 1.25" Plate	72.50 - 77.25	Auto	0.0000
L34	57	CCI 6.5" x 1.25" Plate	72.50 - 77.25	Auto	0.0000
L34	65	CCI 8.5" x 1.25" Plate	68.82 - 77.25	Auto	0.1120
L34	69	CCI 8.5" x 1.25" Plate	68.82 - 77.25	Auto	0.1120
L34	70	CCI 8.5" x 1.25" Plate	68.82 - 77.25	Auto	0.1120
L35	45	CCI 6" x 1" Plate	68.29 - 68.82	Auto	0.0000
L35	46	CCI 6" x 1" Plate	68.29 - 68.82	Auto	0.0000
L35	47	CCI 6" x 1" Plate	68.29 - 68.82	Auto	0.0000
L35	65	CCI 8.5" x 1.25" Plate	68.29 - 68.82	Auto	0.1253
L35	69	CCI 8.5" x 1.25" Plate	68.29 - 68.82	Auto	0.1253
L35	70	CCI 8.5" x 1.25" Plate	68.29 - 68.82	Auto	0.1253
L36	45	CCI 6" x 1" Plate	64.25 - 68.29	Auto	0.0000
L36	46	CCI 6" x 1" Plate	64.25 - 68.29	Auto	0.0000
L36	47	CCI 6" x 1" Plate	64.25 - 68.29	Auto	0.0000
L36	52	CCI 6.5" x 1.25" Plate	64.25 - 67.00	Auto	0.0000
L36	53	CCI 6.5" x 1.25" Plate	64.25 - 67.00	Auto	0.0000
L36	54	CCI 6.5" x 1.25" Plate	64.25 - 67.00	Auto	0.0000
L36	65	CCI 8.5" x 1.25" Plate	64.25 - 68.29	Auto	0.1081
L36	69	CCI 8.5" x 1.25" Plate	64.25 - 68.29	Auto	0.1081
L36	70	CCI 8.5" x 1.25" Plate	64.25 - 68.29	Auto	0.1081
L37	45	CCI 6" x 1" Plate	64.00 - 64.25	Auto	0.0000
L37	46	CCI 6" x 1" Plate	64.00 - 64.25	Auto	0.0000
L37	47	CCI 6" x 1" Plate	64.00 - 64.25	Auto	0.0000
L37	52	CCI 6.5" x 1.25" Plate	64.00 - 64.25	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L37	53	CCI 6.5" x 1.25" Plate	64.00 - 64.25	Auto	0.0000
L37	54	CCI 6.5" x 1.25" Plate	64.00 - 64.25	Auto	0.0000
L37	65	CCI 8.5" x 1.25" Plate	64.00 - 64.25	Auto	0.1389
L37	69	CCI 8.5" x 1.25" Plate	64.00 - 64.25	Auto	0.1389
L37	70	CCI 8.5" x 1.25" Plate	64.00 - 64.25	Auto	0.1389
L38	35	MP3-04	60.50 - 61.50	Auto	0.0000
L38	45	CCI 6" x 1" Plate	60.50 - 64.00	Auto	0.0000
L38	46	CCI 6" x 1" Plate	60.50 - 64.00	Auto	0.0000
L38	47	CCI 6" x 1" Plate	60.50 - 64.00	Auto	0.0000
L38	52	CCI 6.5" x 1.25" Plate	60.50 - 64.00	Auto	0.0000
L38	53	CCI 6.5" x 1.25" Plate	60.50 - 64.00	Auto	0.0000
L38	54	CCI 6.5" x 1.25" Plate	60.50 - 64.00	Auto	0.0000
L38	65	CCI 8.5" x 1.25" Plate	60.50 - 64.00	Auto	0.1241
L38	69	CCI 8.5" x 1.25" Plate	60.50 - 64.00	Auto	0.1241
L38	70	CCI 8.5" x 1.25" Plate	60.50 - 64.00	Auto	0.1241
L39	33	MP3-04	60.25 - 60.50	Auto	0.0000
L39	34	MP3-04	60.25 - 60.50	Auto	0.0000
L39	35	MP3-04	60.25 - 60.50	Auto	0.0000
L39	42	CCI 6.5" x 1.25" Plate	60.25 - 60.50	Auto	0.0000
L39	43	CCI 6.5" x 1.25" Plate	60.25 - 60.50	Auto	0.0000
L39	44	CCI 6.5" x 1.25" Plate	60.25 - 60.50	Auto	0.0000
L39	52	CCI 6.5" x 1.25" Plate	60.25 - 60.50	Auto	0.0000
L39	53	CCI 6.5" x 1.25" Plate	60.25 - 60.50	Auto	0.0000
L39	54	CCI 6.5" x 1.25" Plate	60.25 - 60.50	Auto	0.0000
L39	65	CCI 8.5" x 1.25" Plate	60.25 - 60.50	Auto	0.1329
L39	69	CCI 8.5" x 1.25" Plate	60.25 - 60.50	Auto	0.1329
L39	70	CCI 8.5" x 1.25" Plate	60.25 - 60.50	Auto	0.1329
L40	33	MP3-04	60.08 - 60.25	Auto	0.0000
L40	34	MP3-04	60.08 - 60.25	Auto	0.0000
L40	35	MP3-04	60.08 - 60.25	Auto	0.0000
L40	42	CCI 6.5" x 1.25" Plate	60.08 - 60.25	Auto	0.0000
L40	43	CCI 6.5" x 1.25" Plate	60.08 - 60.25	Auto	0.0000
L40	44	CCI 6.5" x 1.25" Plate	60.08 - 60.25	Auto	0.0000
L40	52	CCI 6.5" x 1.25" Plate	60.08 - 60.25	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L40	53	CCI 6.5" x 1.25" Plate	60.08 - 60.25	Auto	0.0000
L40	54	CCI 6.5" x 1.25" Plate	60.08 - 60.25	Auto	0.0000
L40	65	CCI 8.5" x 1.25" Plate	60.08 - 60.25	Auto	0.1316
L40	69	CCI 8.5" x 1.25" Plate	60.08 - 60.25	Auto	0.1316
L40	70	CCI 8.5" x 1.25" Plate	60.08 - 60.25	Auto	0.1316
L41	33	MP3-04	59.83 - 60.08	Auto	0.0000
L41	34	MP3-04	59.83 - 60.08	Auto	0.0000
L41	35	MP3-04	59.83 - 60.08	Auto	0.0000
L41	42	CCI 6.5" x 1.25" Plate	59.83 - 60.08	Auto	0.0000
L41	43	CCI 6.5" x 1.25" Plate	59.83 - 60.08	Auto	0.0000
L41	44	CCI 6.5" x 1.25" Plate	59.83 - 60.08	Auto	0.0000
L41	52	CCI 6.5" x 1.25" Plate	59.83 - 60.08	Auto	0.0000
L41	53	CCI 6.5" x 1.25" Plate	59.83 - 60.08	Auto	0.0000
L41	54	CCI 6.5" x 1.25" Plate	59.83 - 60.08	Auto	0.0000
L41	65	CCI 8.5" x 1.25" Plate	60.00 - 60.08	Auto	0.1467
L41	69	CCI 8.5" x 1.25" Plate	59.83 - 60.08	Auto	0.1462
L41	70	CCI 8.5" x 1.25" Plate	59.83 - 60.08	Auto	0.1462
L42	33	MP3-04	59.08 - 59.83	Auto	0.0000
L42	34	MP3-04	59.08 - 59.83	Auto	0.0000
L42	35	MP3-04	59.08 - 59.83	Auto	0.0000
L42	42	CCI 6.5" x 1.25" Plate	59.08 - 59.83	Auto	0.0000
L42	43	CCI 6.5" x 1.25" Plate	59.08 - 59.83	Auto	0.0000
L42	44	CCI 6.5" x 1.25" Plate	59.08 - 59.83	Auto	0.0000
L42	52	CCI 6.5" x 1.25" Plate	59.08 - 59.83	Auto	0.0000
L42	53	CCI 6.5" x 1.25" Plate	59.08 - 59.83	Auto	0.0000
L42	54	CCI 6.5" x 1.25" Plate	59.08 - 59.83	Auto	0.0000
L42	69	CCI 8.5" x 1.25" Plate	59.08 - 59.83	Auto	0.1433
L42	70	CCI 8.5" x 1.25" Plate	59.08 - 59.83	Auto	0.1433
L43	33	MP3-04	58.83 - 59.08	Auto	0.0000
L43	34	MP3-04	58.83 - 59.08	Auto	0.0000
L43	35	MP3-04	58.83 - 59.08	Auto	0.0000
L43	42	CCI 6.5" x 1.25" Plate	58.83 - 59.08	Auto	0.0000
L43	43	CCI 6.5" x 1.25" Plate	58.83 - 59.08	Auto	0.0000
L43	44	CCI 6.5" x 1.25" Plate	58.83 - 59.08	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L43	52	CCI 6.5" x 1.25" Plate	58.83 - 59.08	Auto	0.0000
L43	53	CCI 6.5" x 1.25" Plate	58.83 - 59.08	Auto	0.0000
L43	54	CCI 6.5" x 1.25" Plate	58.83 - 59.08	Auto	0.0000
L43	69	CCI 8.5" x 1.25" Plate	58.83 - 59.08	Auto	0.1640
L43	70	CCI 8.5" x 1.25" Plate	58.83 - 59.08	Auto	0.1640
L44	33	MP3-04	55.42 - 58.83	Auto	0.0000
L44	34	MP3-04	55.42 - 58.83	Auto	0.0000
L44	35	MP3-04	55.42 - 58.83	Auto	0.0000
L44	42	CCI 6.5" x 1.25" Plate	55.42 - 58.83	Auto	0.0000
L44	43	CCI 6.5" x 1.25" Plate	55.42 - 58.83	Auto	0.0000
L44	44	CCI 6.5" x 1.25" Plate	55.42 - 58.83	Auto	0.0000
L44	52	CCI 6.5" x 1.25" Plate	55.42 - 58.83	Auto	0.0000
L44	53	CCI 6.5" x 1.25" Plate	55.42 - 58.83	Auto	0.0000
L44	54	CCI 6.5" x 1.25" Plate	55.42 - 58.83	Auto	0.0000
L44	69	CCI 8.5" x 1.25" Plate	55.50 - 58.83	Auto	0.1457
L44	70	CCI 8.5" x 1.25" Plate	55.50 - 58.83	Auto	0.1457
L45	33	MP3-04	55.17 - 55.42	Auto	0.0000
L45	34	MP3-04	55.17 - 55.42	Auto	0.0000
L45	35	MP3-04	55.17 - 55.42	Auto	0.0000
L45	42	CCI 6.5" x 1.25" Plate	55.17 - 55.42	Auto	0.0000
L45	43	CCI 6.5" x 1.25" Plate	55.17 - 55.42	Auto	0.0000
L45	44	CCI 6.5" x 1.25" Plate	55.17 - 55.42	Auto	0.0000
L45	52	CCI 6.5" x 1.25" Plate	55.17 - 55.42	Auto	0.0000
L45	53	CCI 6.5" x 1.25" Plate	55.17 - 55.42	Auto	0.0000
L45	54	CCI 6.5" x 1.25" Plate	55.17 - 55.42	Auto	0.0000
L45	67	CCI 8.5" x 1.25" Plate	55.17 - 55.40	Auto	0.1347
L45	68	CCI 8.5" x 1.25" Plate	55.17 - 55.40	Auto	0.1347
L46	33	MP3-04	54.75 - 55.17	Auto	0.0000
L46	34	MP3-04	54.75 - 55.17	Auto	0.0000
L46	35	MP3-04	54.75 - 55.17	Auto	0.0000
L46	42	CCI 6.5" x 1.25" Plate	54.75 - 55.17	Auto	0.0000
L46	43	CCI 6.5" x 1.25" Plate	54.75 - 55.17	Auto	0.0000
L46	44	CCI 6.5" x 1.25" Plate	54.75 - 55.17	Auto	0.0000
L46	52	CCI 6.5" x 1.25" Plate	54.75 - 55.17	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L46	53	CCI 6.5" x 1.25" Plate	54.75 - 55.17	Auto	0.0000
L46	54	CCI 6.5" x 1.25" Plate	54.75 - 55.17	Auto	0.0000
L46	67	CCI 8.5" x 1.25" Plate	54.75 - 55.17	Auto	0.1329
L46	68	CCI 8.5" x 1.25" Plate	54.75 - 55.17	Auto	0.1329
L47	33	MP3-04	54.50 - 54.75	Auto	0.0000
L47	34	MP3-04	54.50 - 54.75	Auto	0.0000
L47	35	MP3-04	54.50 - 54.75	Auto	0.0000
L47	42	CCI 6.5" x 1.25" Plate	54.50 - 54.75	Auto	0.0000
L47	43	CCI 6.5" x 1.25" Plate	54.50 - 54.75	Auto	0.0000
L47	44	CCI 6.5" x 1.25" Plate	54.50 - 54.75	Auto	0.0000
L47	52	CCI 6.5" x 1.25" Plate	54.50 - 54.75	Auto	0.0000
L47	53	CCI 6.5" x 1.25" Plate	54.50 - 54.75	Auto	0.0000
L47	54	CCI 6.5" x 1.25" Plate	54.50 - 54.75	Auto	0.0000
L47	67	CCI 8.5" x 1.25" Plate	54.50 - 54.75	Auto	0.0679
L47	68	CCI 8.5" x 1.25" Plate	54.50 - 54.75	Auto	0.0679
L48	33	MP3-04	49.50 - 54.50	Auto	0.0000
L48	34	MP3-04	49.50 - 54.50	Auto	0.0000
L48	35	MP3-04	49.50 - 54.50	Auto	0.0000
L48	42	CCI 6.5" x 1.25" Plate	49.50 - 54.50	Auto	0.0000
L48	43	CCI 6.5" x 1.25" Plate	49.50 - 54.50	Auto	0.0000
L48	44	CCI 6.5" x 1.25" Plate	49.50 - 54.50	Auto	0.0000
L48	52	CCI 6.5" x 1.25" Plate	52.00 - 54.50	Auto	0.0000
L48	53	CCI 6.5" x 1.25" Plate	52.00 - 54.50	Auto	0.0000
L48	54	CCI 6.5" x 1.25" Plate	52.00 - 54.50	Auto	0.0000
L48	67	CCI 8.5" x 1.25" Plate	49.50 - 54.50	Auto	0.0486
L48	68	CCI 8.5" x 1.25" Plate	49.50 - 54.50	Auto	0.0486
L49	33	MP3-04	44.50 - 49.50	Auto	0.0000
L49	34	MP3-04	44.50 - 49.50	Auto	0.0000
L49	35	MP3-04	44.50 - 49.50	Auto	0.0000
L49	42	CCI 6.5" x 1.25" Plate	44.50 - 49.50	Auto	0.0000
L49	43	CCI 6.5" x 1.25" Plate	44.50 - 49.50	Auto	0.0000
L49	44	CCI 6.5" x 1.25" Plate	44.50 - 49.50	Auto	0.0000
L49	64	CCI 8.5" x 1.25" Plate	44.50 - 45.50	Auto	0.0040
L49	67	CCI 8.5" x 1.25" Plate	44.50 - 49.50	Auto	0.0156

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L49	68	CCI 8.5" x 1.25" Plate	44.50 - 49.50	Auto	0.0156
L50	33	MP3-04	41.25 - 44.50	Auto	0.0000
L50	34	MP3-04	41.25 - 44.50	Auto	0.0000
L50	35	MP3-04	41.25 - 44.50	Auto	0.0000
L50	42	CCI 6.5" x 1.25" Plate	41.25 - 44.50	Auto	0.0000
L50	43	CCI 6.5" x 1.25" Plate	41.25 - 44.50	Auto	0.0000
L50	44	CCI 6.5" x 1.25" Plate	41.25 - 44.50	Auto	0.0000
L50	64	CCI 8.5" x 1.25" Plate	41.25 - 44.50	Auto	0.0000
L50	67	CCI 8.5" x 1.25" Plate	41.25 - 44.50	Auto	0.0000
L50	68	CCI 8.5" x 1.25" Plate	41.25 - 44.50	Auto	0.0000
L51	33	MP3-04	41.00 - 41.25	Auto	0.0000
L51	34	MP3-04	41.00 - 41.25	Auto	0.0000
L51	35	MP3-04	41.00 - 41.25	Auto	0.0000
L51	42	CCI 6.5" x 1.25" Plate	41.00 - 41.25	Auto	0.0000
L51	43	CCI 6.5" x 1.25" Plate	41.00 - 41.25	Auto	0.0000
L51	44	CCI 6.5" x 1.25" Plate	41.00 - 41.25	Auto	0.0000
L51	64	CCI 8.5" x 1.25" Plate	41.00 - 41.25	Auto	0.0050
L51	67	CCI 8.5" x 1.25" Plate	41.00 - 41.25	Auto	0.0050
L51	68	CCI 8.5" x 1.25" Plate	41.00 - 41.25	Auto	0.0050
L52	33	MP3-04	34.29 - 41.00	Auto	0.0000
L52	34	MP3-04	34.29 - 41.00	Auto	0.0000
L52	35	MP3-04	34.29 - 41.00	Auto	0.0000
L52	42	CCI 6.5" x 1.25" Plate	34.29 - 41.00	Auto	0.0000
L52	43	CCI 6.5" x 1.25" Plate	34.29 - 41.00	Auto	0.0000
L52	44	CCI 6.5" x 1.25" Plate	34.29 - 41.00	Auto	0.0000
L52	49	CCI 6.5" x 1.25" Plate	34.29 - 38.00	Auto	0.0000
L52	50	CCI 6.5" x 1.25" Plate	34.29 - 38.00	Auto	0.0000
L52	51	CCI 6.5" x 1.25" Plate	34.29 - 38.00	Auto	0.0000
L52	64	CCI 8.5" x 1.25" Plate	34.29 - 41.00	Auto	0.0002
L52	67	CCI 8.5" x 1.25" Plate	34.29 - 41.00	Auto	0.0002
L52	68	CCI 8.5" x 1.25" Plate	34.29 - 41.00	Auto	0.0002
L53	33	MP3-04	33.29 - 34.29	Auto	0.0000
L53	34	MP3-04	33.29 - 34.29	Auto	0.0000
L53	35	MP3-04	33.29 - 34.29	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L53	42	CCI 6.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0000
L53	43	CCI 6.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0000
L53	44	CCI 6.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0000
L53	49	CCI 6.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0000
L53	50	CCI 6.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0000
L53	51	CCI 6.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0000
L53	64	CCI 8.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0808
L53	67	CCI 8.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0808
L53	68	CCI 8.5" x 1.25" Plate	33.29 - 34.29	Auto	0.0808
L54	33	MP3-04	31.50 - 33.29	Auto	0.0000
L54	34	MP3-04	31.50 - 33.29	Auto	0.0000
L54	35	MP3-04	31.50 - 33.29	Auto	0.0000
L54	42	CCI 6.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0000
L54	43	CCI 6.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0000
L54	44	CCI 6.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0000
L54	49	CCI 6.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0000
L54	50	CCI 6.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0000
L54	51	CCI 6.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0000
L54	64	CCI 8.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0727
L54	67	CCI 8.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0727
L54	68	CCI 8.5" x 1.25" Plate	31.50 - 33.29	Auto	0.0727
L55	30	MP3-05	31.25 - 31.50	Auto	0.0000
L55	33	MP3-04	31.25 - 31.50	Auto	0.0000
L55	34	MP3-04	31.25 - 31.50	Auto	0.0000
L55	35	MP3-04	31.25 - 31.50	Auto	0.0000
L55	42	CCI 6.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0000
L55	43	CCI 6.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0000
L55	44	CCI 6.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0000
L55	49	CCI 6.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0000
L55	50	CCI 6.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0000
L55	51	CCI 6.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0000
L55	64	CCI 8.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0668
L55	67	CCI 8.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0668
L55	68	CCI 8.5" x 1.25" Plate	31.25 - 31.50	Auto	0.0668

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L56	30	MP3-05	30.50 - 31.25	Auto	0.0000
L56	33	MP3-04	30.50 - 31.25	Auto	0.0000
L56	34	MP3-04	30.50 - 31.25	Auto	0.0000
L56	35	MP3-04	31.00 - 31.25	Auto	0.0000
L56	42	CCI 6.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0000
L56	43	CCI 6.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0000
L56	44	CCI 6.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0000
L56	49	CCI 6.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0000
L56	50	CCI 6.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0000
L56	51	CCI 6.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0000
L56	64	CCI 8.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0639
L56	67	CCI 8.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0639
L56	68	CCI 8.5" x 1.25" Plate	30.50 - 31.25	Auto	0.0639
L57	30	MP3-05	30.25 - 30.50	Auto	0.0000
L57	31	MP3-05	30.25 - 30.50	Auto	0.0000
L57	32	MP3-05	30.25 - 30.50	Auto	0.0000
L57	39	CCI 6" x 1" Plate	30.25 - 30.50	Auto	0.0000
L57	40	CCI 6" x 1" Plate	30.25 - 30.50	Auto	0.0000
L57	41	CCI 6" x 1" Plate	30.25 - 30.50	Auto	0.0000
L57	49	CCI 6.5" x 1.25" Plate	30.25 - 30.50	Auto	0.0000
L57	50	CCI 6.5" x 1.25" Plate	30.25 - 30.50	Auto	0.0000
L57	51	CCI 6.5" x 1.25" Plate	30.25 - 30.50	Auto	0.0000
L57	64	CCI 8.5" x 1.25" Plate	30.25 - 30.50	Auto	0.0453
L57	67	CCI 8.5" x 1.25" Plate	30.25 - 30.50	Auto	0.0453
L57	68	CCI 8.5" x 1.25" Plate	30.25 - 30.50	Auto	0.0453
L58	30	MP3-05	25.75 - 30.25	Auto	0.0000
L58	31	MP3-05	25.75 - 30.25	Auto	0.0000
L58	32	MP3-05	25.75 - 30.25	Auto	0.0000
L58	39	CCI 6" x 1" Plate	25.75 - 30.25	Auto	0.0000
L58	40	CCI 6" x 1" Plate	25.75 - 30.25	Auto	0.0000
L58	41	CCI 6" x 1" Plate	25.75 - 30.25	Auto	0.0000
L58	49	CCI 6.5" x 1.25" Plate	25.75 - 30.25	Auto	0.0000
L58	50	CCI 6.5" x 1.25" Plate	25.75 - 30.25	Auto	0.0000
L58	51	CCI 6.5" x 1.25" Plate	25.75 - 30.25	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L58	64	CCI 8.5" x 1.25" Plate	25.75 - 30.25	Auto	0.0237
L58	67	CCI 8.5" x 1.25" Plate	25.75 - 30.25	Auto	0.0237
L58	68	CCI 8.5" x 1.25" Plate	25.75 - 30.25	Auto	0.0237
L58	80	CCI 1.25" x 5.875" Plate	25.75 - 28.50	Auto	0.0000
L58	81	CCI 1.25" x 5.875" Plate	25.75 - 28.50	Auto	0.0000
L58	82	CCI 1.25" x 5.875" Plate	25.75 - 28.50	Auto	0.0000
L59	30	MP3-05	25.50 - 25.75	Auto	0.0000
L59	31	MP3-05	25.50 - 25.75	Auto	0.0000
L59	32	MP3-05	25.50 - 25.75	Auto	0.0000
L59	39	CCI 6" x 1" Plate	25.50 - 25.75	Auto	0.0000
L59	40	CCI 6" x 1" Plate	25.50 - 25.75	Auto	0.0000
L59	41	CCI 6" x 1" Plate	25.50 - 25.75	Auto	0.0000
L59	49	CCI 6.5" x 1.25" Plate	25.50 - 25.75	Auto	0.0000
L59	50	CCI 6.5" x 1.25" Plate	25.50 - 25.75	Auto	0.0000
L59	51	CCI 6.5" x 1.25" Plate	25.50 - 25.75	Auto	0.0000
L59	64	CCI 8.5" x 1.25" Plate	25.50 - 25.75	Auto	0.0000
L59	67	CCI 8.5" x 1.25" Plate	25.50 - 25.75	Auto	0.0000
L59	68	CCI 8.5" x 1.25" Plate	25.50 - 25.75	Auto	0.0000
L59	80	CCI 1.25" x 5.875" Plate	25.50 - 25.75	Auto	0.0000
L59	81	CCI 1.25" x 5.875" Plate	25.50 - 25.75	Auto	0.0000
L59	82	CCI 1.25" x 5.875" Plate	25.50 - 25.75	Auto	0.0000
L60	30	MP3-05	24.67 - 25.50	Auto	0.0000
L60	31	MP3-05	24.67 - 25.50	Auto	0.0000
L60	32	MP3-05	24.67 - 25.50	Auto	0.0000
L60	39	CCI 6" x 1" Plate	24.67 - 25.50	Auto	0.0000
L60	40	CCI 6" x 1" Plate	24.67 - 25.50	Auto	0.0000
L60	41	CCI 6" x 1" Plate	24.67 - 25.50	Auto	0.0000
L60	49	CCI 6.5" x 1.25" Plate	24.67 - 25.50	Auto	0.0000
L60	50	CCI 6.5" x 1.25" Plate	24.67 - 25.50	Auto	0.0000
L60	51	CCI 6.5" x 1.25" Plate	24.67 - 25.50	Auto	0.0000
L60	64	CCI 8.5" x 1.25" Plate	24.67 - 25.50	Auto	0.0000
L60	67	CCI 8.5" x 1.25" Plate	24.67 - 25.50	Auto	0.0000
L60	68	CCI 8.5" x 1.25" Plate	24.67 - 25.50	Auto	0.0000
L60	75	CCI 1.25" x 5.875" Plate	24.67 - 25.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L60	76	CCI 1.25" x 5.875" Plate	24.67 - 25.50	Auto	0.0000
L60	77	CCI 1.25" x 5.875" Plate	24.67 - 25.50	Auto	0.0000
L60	78	CCI 1.25" x 5.875" Plate	24.67 - 25.50	Auto	0.0000
L61	30	MP3-05	24.42 - 24.67	Auto	0.0000
L61	31	MP3-05	24.42 - 24.67	Auto	0.0000
L61	32	MP3-05	24.42 - 24.67	Auto	0.0000
L61	39	CCI 6" x 1" Plate	24.42 - 24.67	Auto	0.0000
L61	40	CCI 6" x 1" Plate	24.42 - 24.67	Auto	0.0000
L61	41	CCI 6" x 1" Plate	24.42 - 24.67	Auto	0.0000
L61	49	CCI 6.5" x 1.25" Plate	24.42 - 24.67	Auto	0.0000
L61	50	CCI 6.5" x 1.25" Plate	24.42 - 24.67	Auto	0.0000
L61	51	CCI 6.5" x 1.25" Plate	24.42 - 24.67	Auto	0.0000
L61	64	CCI 8.5" x 1.25" Plate	24.42 - 24.67	Auto	0.0000
L61	67	CCI 8.5" x 1.25" Plate	24.42 - 24.67	Auto	0.0000
L61	68	CCI 8.5" x 1.25" Plate	24.42 - 24.67	Auto	0.0000
L61	75	CCI 1.25" x 5.875" Plate	24.42 - 24.67	Auto	0.0000
L61	76	CCI 1.25" x 5.875" Plate	24.42 - 24.67	Auto	0.0000
L61	77	CCI 1.25" x 5.875" Plate	24.42 - 24.67	Auto	0.0000
L61	78	CCI 1.25" x 5.875" Plate	24.42 - 24.67	Auto	0.0000
L62	30	MP3-05	24.00 - 24.42	Auto	0.0000
L62	31	MP3-05	24.00 - 24.42	Auto	0.0000
L62	32	MP3-05	24.00 - 24.42	Auto	0.0000
L62	39	CCI 6" x 1" Plate	24.00 - 24.42	Auto	0.0000
L62	40	CCI 6" x 1" Plate	24.00 - 24.42	Auto	0.0000
L62	41	CCI 6" x 1" Plate	24.00 - 24.42	Auto	0.0000
L62	49	CCI 6.5" x 1.25" Plate	24.00 - 24.42	Auto	0.0000
L62	50	CCI 6.5" x 1.25" Plate	24.00 - 24.42	Auto	0.0000
L62	51	CCI 6.5" x 1.25" Plate	24.00 - 24.42	Auto	0.0000
L62	64	CCI 8.5" x 1.25" Plate	24.00 - 24.42	Auto	0.0000
L62	67	CCI 8.5" x 1.25" Plate	24.00 - 24.42	Auto	0.0000
L62	68	CCI 8.5" x 1.25" Plate	24.00 - 24.42	Auto	0.0000
L62	75	CCI 1.25" x 5.875" Plate	24.00 - 24.42	Auto	0.0000
L62	76	CCI 1.25" x 5.875" Plate	24.00 - 24.42	Auto	0.0000
L62	77	CCI 1.25" x 5.875" Plate	24.00 - 24.42	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L62	78	CCI 1.25" x 5.875" Plate	24.00 - 24.42	Auto	0.0000
L63	30	MP3-05	23.75 - 24.00	Auto	0.0000
L63	31	MP3-05	23.75 - 24.00	Auto	0.0000
L63	32	MP3-05	23.75 - 24.00	Auto	0.0000
L63	39	CCI 6" x 1" Plate	23.75 - 24.00	Auto	0.0000
L63	40	CCI 6" x 1" Plate	23.75 - 24.00	Auto	0.0000
L63	41	CCI 6" x 1" Plate	23.75 - 24.00	Auto	0.0000
L63	49	CCI 6.5" x 1.25" Plate	23.75 - 24.00	Auto	0.0000
L63	50	CCI 6.5" x 1.25" Plate	23.75 - 24.00	Auto	0.0000
L63	51	CCI 6.5" x 1.25" Plate	23.75 - 24.00	Auto	0.0000
L63	64	CCI 8.5" x 1.25" Plate	23.75 - 24.00	Auto	0.0000
L63	67	CCI 8.5" x 1.25" Plate	23.75 - 24.00	Auto	0.0000
L63	68	CCI 8.5" x 1.25" Plate	23.75 - 24.00	Auto	0.0000
L63	75	CCI 1.25" x 5.875" Plate	23.75 - 24.00	Auto	0.0000
L63	76	CCI 1.25" x 5.875" Plate	23.75 - 24.00	Auto	0.0000
L63	77	CCI 1.25" x 5.875" Plate	23.75 - 24.00	Auto	0.0000
L63	78	CCI 1.25" x 5.875" Plate	23.75 - 24.00	Auto	0.0000
L64	30	MP3-05	18.75 - 23.75	Auto	0.0000
L64	31	MP3-05	18.75 - 23.75	Auto	0.0000
L64	32	MP3-05	18.75 - 23.75	Auto	0.0000
L64	39	CCI 6" x 1" Plate	18.75 - 23.75	Auto	0.0000
L64	40	CCI 6" x 1" Plate	18.75 - 23.75	Auto	0.0000
L64	41	CCI 6" x 1" Plate	18.75 - 23.75	Auto	0.0000
L64	49	CCI 6.5" x 1.25" Plate	23.00 - 23.75	Auto	0.0000
L64	50	CCI 6.5" x 1.25" Plate	23.00 - 23.75	Auto	0.0000
L64	51	CCI 6.5" x 1.25" Plate	23.00 - 23.75	Auto	0.0000
L64	64	CCI 8.5" x 1.25" Plate	18.75 - 23.75	Auto	0.0000
L64	67	CCI 8.5" x 1.25" Plate	20.40 - 23.75	Auto	0.0000
L64	68	CCI 8.5" x 1.25" Plate	20.40 - 23.75	Auto	0.0000
L64	75	CCI 1.25" x 5.875" Plate	18.75 - 23.75	Auto	0.0000
L64	76	CCI 1.25" x 5.875" Plate	18.75 - 23.75	Auto	0.0000
L64	77	CCI 1.25" x 5.875" Plate	18.75 - 23.75	Auto	0.0000
L64	78	CCI 1.25" x 5.875" Plate	18.75 - 23.75	Auto	0.0000
L65	30	MP3-05	14.08 - 18.75	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L65	31	MP3-05	14.08 - 18.75	Auto	0.0000
L65	32	MP3-05	14.08 - 18.75	Auto	0.0000
L65	36	MP3-04	14.08 - 15.50	Auto	0.0000
L65	37	MP3-04	14.08 - 15.50	Auto	0.0000
L65	39	CCI 6" x 1" Plate	14.08 - 18.75	Auto	0.0000
L65	40	CCI 6" x 1" Plate	14.08 - 18.75	Auto	0.0000
L65	41	CCI 6" x 1" Plate	14.08 - 18.75	Auto	0.0000
L65	64	CCI 8.5" x 1.25" Plate	14.08 - 18.75	Auto	0.0000
L65	75	CCI 1.25" x 5.875" Plate	14.08 - 18.75	Auto	0.0000
L65	76	CCI 1.25" x 5.875" Plate	14.08 - 18.75	Auto	0.0000
L65	77	CCI 1.25" x 5.875" Plate	14.08 - 18.75	Auto	0.0000
L65	78	CCI 1.25" x 5.875" Plate	14.08 - 18.75	Auto	0.0000
L66	30	MP3-05	13.82 - 14.08	Auto	0.0000
L66	31	MP3-05	13.82 - 14.08	Auto	0.0000
L66	32	MP3-05	13.82 - 14.08	Auto	0.0000
L66	36	MP3-04	13.82 - 14.08	Auto	0.0000
L66	37	MP3-04	13.82 - 14.08	Auto	0.0000
L66	39	CCI 6" x 1" Plate	13.82 - 14.08	Auto	0.0000
L66	40	CCI 6" x 1" Plate	13.82 - 14.08	Auto	0.0000
L66	41	CCI 6" x 1" Plate	13.82 - 14.08	Auto	0.0000
L66	64	CCI 8.5" x 1.25" Plate	13.82 - 14.08	Auto	0.0000
L66	75	CCI 1.25" x 5.875" Plate	13.82 - 14.08	Auto	0.0000
L66	76	CCI 1.25" x 5.875" Plate	13.82 - 14.08	Auto	0.0000
L66	77	CCI 1.25" x 5.875" Plate	13.82 - 14.08	Auto	0.0000
L66	78	CCI 1.25" x 5.875" Plate	13.82 - 14.08	Auto	0.0000
L67	30	MP3-05	13.67 - 13.82	Auto	0.0000
L67	31	MP3-05	13.67 - 13.82	Auto	0.0000
L67	32	MP3-05	13.67 - 13.82	Auto	0.0000
L67	36	MP3-04	13.67 - 13.82	Auto	0.0000
L67	37	MP3-04	13.67 - 13.82	Auto	0.0000
L67	39	CCI 6" x 1" Plate	13.67 - 13.82	Auto	0.0000
L67	40	CCI 6" x 1" Plate	13.67 - 13.82	Auto	0.0000
L67	41	CCI 6" x 1" Plate	13.67 - 13.82	Auto	0.0000
L67	64	CCI 8.5" x 1.25" Plate	13.67 - 13.82	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L67	75	CCI 1.25" x 5.875" Plate	13.67 - 13.82	Auto	0.0000
L67	76	CCI 1.25" x 5.875" Plate	13.67 - 13.82	Auto	0.0000
L67	77	CCI 1.25" x 5.875" Plate	13.67 - 13.82	Auto	0.0000
L67	78	CCI 1.25" x 5.875" Plate	13.67 - 13.82	Auto	0.0000
L68	30	MP3-05	11.50 - 13.67	Auto	0.0000
L68	31	MP3-05	10.50 - 13.67	Auto	0.0000
L68	32	MP3-05	10.50 - 13.67	Auto	0.0000
L68	36	MP3-04	10.50 - 13.67	Auto	0.0000
L68	37	MP3-04	10.50 - 13.67	Auto	0.0000
L68	39	CCI 6" x 1" Plate	10.50 - 13.67	Auto	0.0000
L68	40	CCI 6" x 1" Plate	10.50 - 13.67	Auto	0.0000
L68	41	CCI 6" x 1" Plate	10.50 - 13.67	Auto	0.0000
L68	64	CCI 8.5" x 1.25" Plate	10.50 - 13.67	Auto	0.0000
L68	75	CCI 1.25" x 5.875" Plate	10.50 - 13.67	Auto	0.0000
L68	76	CCI 1.25" x 5.875" Plate	10.50 - 13.67	Auto	0.0000
L68	77	CCI 1.25" x 5.875" Plate	10.50 - 13.67	Auto	0.0000
L68	78	CCI 1.25" x 5.875" Plate	10.50 - 13.67	Auto	0.0000
L69	31	MP3-05	10.25 - 10.50	Auto	0.0000
L69	32	MP3-05	10.25 - 10.50	Auto	0.0000
L69	36	MP3-04	10.25 - 10.50	Auto	0.0000
L69	37	MP3-04	10.25 - 10.50	Auto	0.0000
L69	39	CCI 6" x 1" Plate	10.25 - 10.50	Auto	0.0000
L69	40	CCI 6" x 1" Plate	10.25 - 10.50	Auto	0.0000
L69	41	CCI 6" x 1" Plate	10.25 - 10.50	Auto	0.0000
L69	63	CCI 6" x 1" Plate	10.25 - 10.50	Auto	0.0000
L69	75	CCI 1.25" x 5.875" Plate	10.25 - 10.50	Auto	0.0000
L69	76	CCI 1.25" x 5.875" Plate	10.25 - 10.50	Auto	0.0000
L69	77	CCI 1.25" x 5.875" Plate	10.25 - 10.50	Auto	0.0000
L69	78	CCI 1.25" x 5.875" Plate	10.25 - 10.50	Auto	0.0000
L70	31	MP3-05	5.25 - 10.25	Auto	0.0000
L70	32	MP3-05	5.25 - 10.25	Auto	0.0000
L70	36	MP3-04	5.25 - 10.25	Auto	0.0000
L70	37	MP3-04	5.25 - 10.25	Auto	0.0000
L70	39	CCI 6" x 1" Plate	5.25 - 10.25	Auto	0.0000
L70	40	CCI 6" x 1" Plate	5.25 - 10.25	Auto	0.0000
L70	41	CCI 6" x 1" Plate	5.25 - 10.25	Auto	0.0000
L70	63	CCI 6" x 1" Plate	5.25 - 10.25	Auto	0.0000
L70	75	CCI 1.25" x 5.875" Plate	5.25 - 10.25	Auto	0.0000
L70	76	CCI 1.25" x 5.875" Plate	5.25 - 10.25	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L70	77	CCI 1.25" x 5.875" Plate	5.25 - 10.25	Auto	0.0000
L70	78	CCI 1.25" x 5.875" Plate	5.25 - 10.25	Auto	0.0000
L71	31	MP3-05	2.90 - 5.25	Auto	0.0000
L71	32	MP3-05	2.90 - 5.25	Auto	0.0000
L71	36	MP3-04	2.90 - 5.25	Auto	0.0000
L71	37	MP3-04	2.90 - 5.25	Auto	0.0000
L71	39	CCI 6" x 1" Plate	2.90 - 5.25	Auto	0.0000
L71	40	CCI 6" x 1" Plate	2.90 - 5.25	Auto	0.0000
L71	41	CCI 6" x 1" Plate	2.90 - 5.25	Auto	0.0000
L71	63	CCI 6" x 1" Plate	2.90 - 5.25	Auto	0.0000
L71	75	CCI 1.25" x 5.875" Plate	2.90 - 5.25	Auto	0.0000
L71	76	CCI 1.25" x 5.875" Plate	2.90 - 5.25	Auto	0.0000
L71	77	CCI 1.25" x 5.875" Plate	2.90 - 5.25	Auto	0.0000
L71	78	CCI 1.25" x 5.875" Plate	2.90 - 5.25	Auto	0.0000
L72	31	MP3-05	2.65 - 2.90	Auto	0.0000
L72	32	MP3-05	2.65 - 2.90	Auto	0.0000
L72	36	MP3-04	2.65 - 2.90	Auto	0.0000
L72	37	MP3-04	2.65 - 2.90	Auto	0.0000
L72	39	CCI 6" x 1" Plate	2.65 - 2.90	Auto	0.0000
L72	40	CCI 6" x 1" Plate	2.65 - 2.90	Auto	0.0000
L72	41	CCI 6" x 1" Plate	2.65 - 2.90	Auto	0.0000
L72	63	CCI 6" x 1" Plate	2.65 - 2.90	Auto	0.0000
L72	75	CCI 1.25" x 5.875" Plate	2.65 - 2.90	Auto	0.0000
L72	76	CCI 1.25" x 5.875" Plate	2.65 - 2.90	Auto	0.0000
L72	77	CCI 1.25" x 5.875" Plate	2.65 - 2.90	Auto	0.0000
L72	78	CCI 1.25" x 5.875" Plate	2.65 - 2.90	Auto	0.0000
L73	31	MP3-05	2.50 - 2.65	Auto	0.0000
L73	32	MP3-05	2.50 - 2.65	Auto	0.0000
L73	36	MP3-04	2.50 - 2.65	Auto	0.0000
L73	37	MP3-04	2.50 - 2.65	Auto	0.0000
L73	39	CCI 6" x 1" Plate	2.50 - 2.65	Auto	0.0000
L73	40	CCI 6" x 1" Plate	2.50 - 2.65	Auto	0.0000
L73	41	CCI 6" x 1" Plate	2.50 - 2.65	Auto	0.0000
L73	63	CCI 6" x 1" Plate	2.50 - 2.65	Auto	0.0000
L73	75	CCI 1.25" x 5.875" Plate	2.50 - 2.65	Auto	0.0000
L73	76	CCI 1.25" x 5.875" Plate	2.50 - 2.65	Auto	0.0000
L73	77	CCI 1.25" x 5.875" Plate	2.50 - 2.65	Auto	0.0000
L73	78	CCI 1.25" x 5.875" Plate	2.50 - 2.65	Auto	0.0000
L74	31	MP3-05	2.25 - 2.50	Auto	0.0000
L74	32	MP3-05	2.25 - 2.50	Auto	0.0000
L74	36	MP3-04	2.25 - 2.50	Auto	0.0000
L74	37	MP3-04	2.25 - 2.50	Auto	0.0000
L74	39	CCI 6" x 1" Plate	2.25 - 2.50	Auto	0.0000
L74	40	CCI 6" x 1" Plate	2.25 - 2.50	Auto	0.0000
L74	41	CCI 6" x 1" Plate	2.25 - 2.50	Auto	0.0000
L74	63	CCI 6" x 1" Plate	2.25 - 2.50	Auto	0.0000
L74	75	CCI 1.25" x 5.875" Plate	2.25 - 2.50	Auto	0.0000
L74	76	CCI 1.25" x 5.875" Plate	2.25 - 2.50	Auto	0.0000
L74	77	CCI 1.25" x 5.875" Plate	2.25 - 2.50	Auto	0.0000
L74	78	CCI 1.25" x 5.875" Plate	2.25 - 2.50	Auto	0.0000
L75	31	MP3-05	1.92 - 2.25	Auto	0.0000
L75	32	MP3-05	1.92 - 2.25	Auto	0.0000
L75	36	MP3-04	1.92 - 2.25	Auto	0.0000
L75	37	MP3-04	1.92 - 2.25	Auto	0.0000
L75	39	CCI 6" x 1" Plate	1.92 - 2.25	Auto	0.0000
L75	40	CCI 6" x 1" Plate	1.92 - 2.25	Auto	0.0000
L75	41	CCI 6" x 1" Plate	1.92 - 2.25	Auto	0.0000
L75	63	CCI 6" x 1" Plate	1.92 - 2.25	Auto	0.0000
L75	75	CCI 1.25" x 5.875" Plate	1.92 - 2.25	Auto	0.0000
L75	76	CCI 1.25" x 5.875" Plate	1.92 - 2.25	Auto	0.0000
L75	77	CCI 1.25" x 5.875" Plate	1.92 - 2.25	Auto	0.0000
L75	78	CCI 1.25" x 5.875" Plate	1.92 - 2.25	Auto	0.0000
L76	31	MP3-05	1.67 - 1.92	Auto	0.0000
L76	32	MP3-05	1.67 - 1.92	Auto	0.0000
L76	36	MP3-04	1.67 - 1.92	Auto	0.0000
L76	37	MP3-04	1.67 - 1.92	Auto	0.0000
L76	39	CCI 6" x 1" Plate	1.67 - 1.92	Auto	0.0000
L76	40	CCI 6" x 1" Plate	1.67 - 1.92	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L76	41	CCI 6" x 1" Plate	1.67 - 1.92	Auto	0.0000
L76	63	CCI 6" x 1" Plate	1.67 - 1.92	Auto	0.0000
L76	75	CCI 1.25" x 5.875" Plate	1.67 - 1.92	Auto	0.0000
L76	76	CCI 1.25" x 5.875" Plate	1.67 - 1.92	Auto	0.0000
L76	77	CCI 1.25" x 5.875" Plate	1.67 - 1.92	Auto	0.0000
L76	78	CCI 1.25" x 5.875" Plate	1.67 - 1.92	Auto	0.0000
L77	31	MP3-05	0.00 - 1.67	Auto	0.0000
L77	32	MP3-05	0.00 - 1.67	Auto	0.0000
L77	36	MP3-04	0.00 - 1.67	Auto	0.0000
L77	37	MP3-04	0.00 - 1.67	Auto	0.0000
L77	39	CCI 6" x 1" Plate	0.00 - 1.67	Auto	0.0000
L77	40	CCI 6" x 1" Plate	0.00 - 1.67	Auto	0.0000
L77	41	CCI 6" x 1" Plate	0.00 - 1.67	Auto	0.0000
L77	63	CCI 6" x 1" Plate	0.00 - 1.67	Auto	0.0000
L77	75	CCI 1.25" x 5.875" Plate	0.00 - 1.67	Auto	0.0000
L77	76	CCI 1.25" x 5.875" Plate	0.00 - 1.67	Auto	0.0000
L77	77	CCI 1.25" x 5.875" Plate	0.00 - 1.67	Auto	0.0000
L77	78	CCI 1.25" x 5.875" Plate	0.00 - 1.67	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft ft ft	Azimuth Adjustment t °	Placement ft	CA _{AA} Front ft ²	CA _{AA} Side ft ²	Weight K	

SBNH-1D6565C w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice	5.56	4.47	0.08
						1/2" Ice	6.07	4.97	0.17
						Ice	6.59	5.47	0.26
						1" Ice	7.65	6.52	0.50
						2" Ice			
SBNH-1D6565C w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice	5.56	4.47	0.08
						1/2" Ice	6.07	4.97	0.17
						Ice	6.59	5.47	0.26
						1" Ice	7.65	6.52	0.50
						2" Ice			
80010798 w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice	7.79	4.90	0.11
						1/2" Ice	8.40	5.47	0.19
						Ice	9.02	6.06	0.27
						1" Ice	10.30	7.26	0.48
						2" Ice			
80010966 w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice	14.61	6.84	0.16
						1/2" Ice	15.47	7.63	0.27
						Ice	16.35	8.42	0.39
						1" Ice	18.14	10.06	0.68
						2" Ice			
80010966 w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice	14.61	6.84	0.16
						1/2" Ice	15.47	7.63	0.27
						Ice	16.35	8.42	0.39
						1" Ice	18.14	10.06	0.68
						2" Ice			
80010965 w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice	12.26	5.79	0.14
						1/2" Ice	13.03	6.47	0.23
						Ice	13.80	7.17	0.33
						1" Ice	15.41	8.60	0.57
						2" Ice			
TPA-65R-LCUUUU-H8 w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice	11.85	8.99	0.11
						1/2" Ice	12.77	9.88	0.21
						Ice	13.71	10.79	0.32
						1" Ice	15.64	12.66	0.58
						2" Ice			
TPA-65R-LCUUUU-H8 w/	B	From Leg	4.00	0.0000	156.00	No Ice	11.85	8.99	0.11

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K	
Mount Pipe			0.00 1.00			1/2" Ice 1" Ice 2" Ice	12.77 13.71 15.64	9.88 10.79 12.66	0.21 0.32 0.58
AM-X-CD-16-65-00T-RET w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.63 5.06 5.51 6.43	3.27 3.69 4.12 5.00	0.07 0.13 0.20 0.38
DTMABP7819VG12A	A	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.98 1.10 1.23 1.52	0.34 0.42 0.51 0.71	0.02 0.03 0.04 0.06
DTMABP7819VG12A	B	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.98 1.10 1.23 1.52	0.34 0.42 0.51 0.71	0.02 0.03 0.04 0.06
DTMABP7819VG12A	C	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.98 1.10 1.23 1.52	0.34 0.42 0.51 0.71	0.02 0.03 0.04 0.06
RRUS 4478 B14	A	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	1.06 1.20 1.34 1.66	0.06 0.08 0.09 0.14
RRUS 4478 B14	B	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	1.06 1.20 1.34 1.66	0.06 0.08 0.09 0.14
RRUS 4478 B14	C	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	1.06 1.20 1.34 1.66	0.06 0.08 0.09 0.14
RRUS 32 B66	A	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.74 2.96 3.19 3.68	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B66	B	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.74 2.96 3.19 3.68	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B66	C	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.74 2.96 3.19 3.68	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 11	A	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.78 2.99 3.21 3.66	1.19 1.33 1.49 1.83	0.05 0.07 0.09 0.15
RRUS 11	B	From Leg	4.00 0.00 1.00	0.0000	156.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.78 2.99 3.21 3.66	1.19 1.33 1.49 1.83	0.05 0.07 0.09 0.15
RRUS 11	C	From Leg	4.00	0.0000	156.00	No Ice	2.78	1.19	0.05

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K	
			0.00			1/2"	2.99	1.33	0.07
			1.00			Ice	3.21	1.49	0.09
						1" Ice	3.66	1.83	0.15
						2" Ice			
RRUS 12	A	From Leg	4.00	0.0000	156.00	No Ice	3.15	1.29	0.06
			0.00			1/2"	3.36	1.44	0.08
			1.00			Ice	3.59	1.60	0.11
						1" Ice	4.07	1.95	0.17
						2" Ice			
RRUS 12	B	From Leg	4.00	0.0000	156.00	No Ice	3.15	1.29	0.06
			0.00			1/2"	3.36	1.44	0.08
			1.00			Ice	3.59	1.60	0.11
						1" Ice	4.07	1.95	0.17
						2" Ice			
RRUS 12	C	From Leg	4.00	0.0000	156.00	No Ice	3.15	1.29	0.06
			0.00			1/2"	3.36	1.44	0.08
			1.00			Ice	3.59	1.60	0.11
						1" Ice	4.07	1.95	0.17
						2" Ice			
RRUS 32 B2	A	From Leg	4.00	0.0000	156.00	No Ice	2.73	1.67	0.05
			0.00			1/2"	2.95	1.86	0.07
			1.00			Ice	3.18	2.05	0.10
						1" Ice	3.66	2.46	0.16
						2" Ice			
RRUS 32 B2	B	From Leg	4.00	0.0000	156.00	No Ice	2.73	1.67	0.05
			0.00			1/2"	2.95	1.86	0.07
			1.00			Ice	3.18	2.05	0.10
						1" Ice	3.66	2.46	0.16
						2" Ice			
RRUS 32 B2	C	From Leg	4.00	0.0000	156.00	No Ice	2.73	1.67	0.05
			0.00			1/2"	2.95	1.86	0.07
			1.00			Ice	3.18	2.05	0.10
						1" Ice	3.66	2.46	0.16
						2" Ice			
RRUS 32	A	From Leg	4.00	0.0000	156.00	No Ice	2.86	1.78	0.06
			0.00			1/2"	3.08	1.97	0.08
			1.00			Ice	3.32	2.17	0.10
						1" Ice	3.81	2.58	0.16
						2" Ice			
RRUS 32	B	From Leg	4.00	0.0000	156.00	No Ice	2.86	1.78	0.06
			0.00			1/2"	3.08	1.97	0.08
			1.00			Ice	3.32	2.17	0.10
						1" Ice	3.81	2.58	0.16
						2" Ice			
RRUS 32	C	From Leg	4.00	0.0000	156.00	No Ice	2.86	1.78	0.06
			0.00			1/2"	3.08	1.97	0.08
			1.00			Ice	3.32	2.17	0.10
						1" Ice	3.81	2.58	0.16
						2" Ice			
DC6-48-60-0-8F	B	From Leg	4.00	0.0000	156.00	No Ice	0.92	0.92	0.02
			0.00			1/2"	1.46	1.46	0.04
			1.00			Ice	1.64	1.64	0.06
						1" Ice	2.04	2.04	0.11
						2" Ice			
(2) DC6-48-60-18-8F	B	From Leg	4.00	0.0000	156.00	No Ice	0.92	0.92	0.02
			0.00			1/2"	1.46	1.46	0.04
			1.00			Ice	1.64	1.64	0.06
						1" Ice	2.04	2.04	0.11
						2" Ice			
6' x 2" Mount Pipe	A	From Leg	4.00	0.0000	156.00	No Ice	1.43	1.43	0.02
			0.00			1/2"	1.92	1.92	0.03
			1.00			Ice	2.29	2.29	0.05
						1" Ice	3.06	3.06	0.09
						2" Ice			
6' x 2" Mount Pipe	B	From Leg	4.00	0.0000	156.00	No Ice	1.43	1.43	0.02

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K	
			0.00			1/2"	1.92	1.92	0.03
			1.00			Ice	2.29	2.29	0.05
						1" Ice	3.06	3.06	0.09
						2" Ice			
6' x 2" Mount Pipe	C	From Leg	4.00	0.0000	156.00	No Ice	1.43	1.43	0.02
			0.00			1/2"	1.92	1.92	0.03
			1.00			Ice	2.29	2.29	0.05
						1" Ice	3.06	3.06	0.09
						2" Ice			
Sector Mount [SM 502-3]	C	None		0.0000	156.00	No Ice	29.82	29.82	1.67
						1/2"	42.21	42.21	2.27
						Ice	54.43	54.43	3.05
						1" Ice	78.49	78.49	5.18
						2" Ice			

5' x 2" Pipe Mount	A	From Leg	4.00	0.0000	146.00	No Ice	1.19	1.19	0.02
			0.00			1/2"	1.50	1.50	0.03
			0.00			Ice	1.81	1.81	0.04
						1" Ice	2.46	2.46	0.08
						2" Ice			
5' x 2" Pipe Mount	B	From Leg	4.00	0.0000	146.00	No Ice	1.19	1.19	0.02
			0.00			1/2"	1.50	1.50	0.03
			0.00			Ice	1.81	1.81	0.04
						1" Ice	2.46	2.46	0.08
						2" Ice			
5' x 2" Pipe Mount	C	From Leg	4.00	0.0000	146.00	No Ice	1.19	1.19	0.02
			0.00			1/2"	1.50	1.50	0.03
			0.00			Ice	1.81	1.81	0.04
						1" Ice	2.46	2.46	0.08
						2" Ice			
Platform Mount [LP 1201-1_HR-1]	C	None		0.0000	146.00	No Ice	26.39	26.39	2.36
						1/2"	31.40	31.40	3.06
						Ice	36.20	36.20	3.86
						1" Ice	45.40	45.40	5.76
						2" Ice			

AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.00	0.0000	146.00	No Ice	5.19	2.71	0.13
			0.00			1/2"	5.59	3.04	0.17
			1.00			Ice	6.02	3.38	0.23
						1" Ice	6.90	4.12	0.35
						2" Ice			
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.00	0.0000	146.00	No Ice	5.19	2.71	0.13
			0.00			1/2"	5.59	3.04	0.17
			1.00			Ice	6.02	3.38	0.23
						1" Ice	6.90	4.12	0.35
						2" Ice			
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.00	0.0000	146.00	No Ice	5.19	2.71	0.13
			0.00			1/2"	5.59	3.04	0.17
			1.00			Ice	6.02	3.38	0.23
						1" Ice	6.90	4.12	0.35
						2" Ice			
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	A	From Leg	4.00	0.0000	146.00	No Ice	6.29	2.76	0.06
			0.00			1/2"	6.86	3.27	0.11
			1.00			Ice	7.45	3.79	0.16
						1" Ice	8.68	4.90	0.29
						2" Ice			
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	B	From Leg	4.00	0.0000	146.00	No Ice	6.29	2.76	0.06
			0.00			1/2"	6.86	3.27	0.11
			1.00			Ice	7.45	3.79	0.16
						1" Ice	8.68	4.90	0.29
						2" Ice			
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	C	From Leg	4.00	0.0000	146.00	No Ice	6.29	2.76	0.06
			0.00			1/2"	6.86	3.27	0.11
			1.00			Ice	7.45	3.79	0.16

Description	Face or Leg	Offset Type	Offsets:			Azimuth Adjustment	Placement	C _{AA} _{Front}	C _{AA} _{Side}	Weight
			Horz	Lateral	Vert					
			ft	ft	ft	°	ft	ft ²	ft ²	K
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	A	From Leg	4.00	0.0000	146.00		1" Ice	8.68	4.90	0.29
							2" Ice			
							No Ice	14.69	6.87	0.18
							1/2" Ice	15.46	7.55	0.31
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	B	From Leg	4.00	0.0000	146.00		1" Ice	16.23	8.25	0.45
							2" Ice	17.82	9.67	0.78
							No Ice	14.69	6.87	0.18
							1/2" Ice	15.46	7.55	0.31
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	C	From Leg	4.00	0.0000	146.00		1" Ice	16.23	8.25	0.45
							2" Ice	17.82	9.67	0.78
							No Ice	14.69	6.87	0.18
							1/2" Ice	15.46	7.55	0.31
RADIO 4415 B66A	A	From Leg	4.00	0.0000	146.00		1" Ice	16.23	8.25	0.45
							2" Ice	17.82	9.67	0.78
							No Ice	1.86	0.87	0.05
							1/2" Ice	2.03	1.00	0.06
RADIO 4415 B66A	B	From Leg	4.00	0.0000	146.00		1" Ice	2.20	1.13	0.08
							2" Ice	2.58	1.43	0.12
							No Ice	1.86	0.87	0.05
							1/2" Ice	2.03	1.00	0.06
RADIO 4415 B66A	C	From Leg	4.00	0.0000	146.00		1" Ice	2.20	1.13	0.08
							2" Ice	2.58	1.43	0.12
							No Ice	1.86	0.87	0.05
							1/2" Ice	2.03	1.00	0.06
RADIO 4424 B25_TMO	A	From Leg	4.00	0.0000	146.00		1" Ice	2.20	1.13	0.08
							2" Ice	2.58	1.43	0.12
							No Ice	2.05	1.61	0.09
							1/2" Ice	2.23	1.77	0.11
RADIO 4424 B25_TMO	B	From Leg	4.00	0.0000	146.00		1" Ice	2.42	1.94	0.13
							2" Ice	2.81	2.30	0.19
							No Ice	2.05	1.61	0.09
							1/2" Ice	2.23	1.77	0.11
RADIO 4424 B25_TMO	C	From Leg	4.00	0.0000	146.00		1" Ice	2.42	1.94	0.13
							2" Ice	2.81	2.30	0.19
							No Ice	2.05	1.61	0.09
							1/2" Ice	2.23	1.77	0.11
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.00	0.0000	146.00		1" Ice	2.33	1.92	0.12
							2" Ice	2.72	2.28	0.17
							No Ice	1.97	1.59	0.07
							1/2" Ice	2.15	1.75	0.09
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.00	0.0000	146.00		1" Ice	2.33	1.92	0.12
							2" Ice	2.72	2.28	0.17
							No Ice	1.97	1.59	0.07
							1/2" Ice	2.15	1.75	0.09
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.00	0.0000	146.00		1" Ice	2.33	1.92	0.12
							2" Ice	2.72	2.28	0.17
							No Ice	1.97	1.59	0.07
							1/2" Ice	2.15	1.75	0.09

APXV18-206517S-C	A	From Leg	1.00	0.0000	139.00		No Ice	3.83	1.81	0.03
			0.00				1/2" Ice	4.46	2.41	0.05

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
			0.00			Ice 5.11	3.03	0.09
						1" Ice 6.44	4.31	0.17
						2" Ice		
APXV18-206517S-C	B	From Leg	1.00	0.0000	139.00	No Ice 3.83	1.81	0.03
			0.00			1/2" 4.46	2.41	0.05
			0.00			Ice 5.11	3.03	0.09
						1" Ice 6.44	4.31	0.17
						2" Ice		
APXV18-206517S-C	C	From Leg	1.00	0.0000	139.00	No Ice 3.83	1.81	0.03
			0.00			1/2" 4.46	2.41	0.05
			0.00			Ice 5.11	3.03	0.09
						1" Ice 6.44	4.31	0.17
						2" Ice		
Pipe Mount [PM 601-3]	C	None		0.0000	139.00	No Ice 3.17	3.17	0.20
						1/2" 3.79	3.79	0.23
						Ice 4.42	4.42	0.28
						1" Ice 5.76	5.76	0.40
						2" Ice		

BXA-80080-6CF-EDIN-X w/ Mount Pipe	A	From Leg	4.00	0.0000	132.00	No Ice 6.01	6.20	0.04
			0.00			1/2" 6.56	7.36	0.10
			2.00			Ice 7.08	8.23	0.16
						1" Ice 8.14	10.02	0.31
						2" Ice		
BXA-80080-6CF-EDIN-X w/ Mount Pipe	B	From Leg	4.00	0.0000	132.00	No Ice 6.01	6.20	0.04
			0.00			1/2" 6.56	7.36	0.10
			2.00			Ice 7.08	8.23	0.16
						1" Ice 8.14	10.02	0.31
						2" Ice		
BXA-80080-6CF-EDIN-X w/ Mount Pipe	C	From Leg	4.00	0.0000	132.00	No Ice 6.01	6.20	0.04
			0.00			1/2" 6.56	7.36	0.10
			2.00			Ice 7.08	8.23	0.16
						1" Ice 8.14	10.02	0.31
						2" Ice		
DB-T1-6Z-8AB-0Z	B	From Leg	4.00	0.0000	132.00	No Ice 4.80	2.00	0.04
			0.00			1/2" 5.07	2.19	0.08
			1.00			Ice 5.35	2.39	0.12
						1" Ice 5.93	2.81	0.21
						2" Ice		
DB-T1-6Z-8AB-0Z	C	From Leg	4.00	0.0000	132.00	No Ice 4.80	2.00	0.04
			0.00			1/2" 5.07	2.19	0.08
			1.00			Ice 5.35	2.39	0.12
						1" Ice 5.93	2.81	0.21
						2" Ice		
6' x 2" Mount Pipe	A	From Leg	4.00	0.0000	132.00	No Ice 1.43	1.43	0.02
			0.00			1/2" 1.92	1.92	0.03
			0.00			Ice 2.29	2.29	0.05
						1" Ice 3.06	3.06	0.09
						2" Ice		
6' x 2" Mount Pipe	B	From Leg	4.00	0.0000	132.00	No Ice 1.43	1.43	0.02
			0.00			1/2" 1.92	1.92	0.03
			0.00			Ice 2.29	2.29	0.05
						1" Ice 3.06	3.06	0.09
						2" Ice		
6' x 2" Mount Pipe	C	From Leg	4.00	0.0000	132.00	No Ice 1.43	1.43	0.02
			0.00			1/2" 1.92	1.92	0.03
			0.00			Ice 2.29	2.29	0.05
						1" Ice 3.06	3.06	0.09
						2" Ice		
Platform Mount [LP 1201- 1_HR-1]	C	None		0.0000	132.00	No Ice 26.39	26.39	2.36
						1/2" 31.40	31.40	3.06
						Ice 36.20	36.20	3.86
						1" Ice 45.40	45.40	5.76
						2" Ice		

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
			ft	ft	°	ft	ft ²	ft ²	K
NHH-65B-R2B	A	From Leg	4.00	0.0000	132.00	No Ice	4.16	2.49	0.04
			0.00			1/2"	4.56	2.88	0.09
			1.00			Ice	4.98	3.27	0.15
						1" Ice	5.84	4.08	0.28
						2" Ice			
NHH-65B-R2B	B	From Leg	4.00	0.0000	132.00	No Ice	4.16	2.49	0.04
			0.00			1/2"	4.56	2.88	0.09
			1.00			Ice	4.98	3.27	0.15
						1" Ice	5.84	4.08	0.28
						2" Ice			
NHH-65B-R2B	C	From Leg	4.00	0.0000	132.00	No Ice	4.16	2.49	0.04
			0.00			1/2"	4.56	2.88	0.09
			1.00			Ice	4.98	3.27	0.15
						1" Ice	5.84	4.08	0.28
						2" Ice			
NHHSS-65B-R2B	A	From Leg	4.00	0.0000	132.00	No Ice	3.97	2.38	0.07
			0.00			1/2"	4.36	2.75	0.12
			1.00			Ice	4.76	3.12	0.17
						1" Ice	5.58	3.90	0.30
						2" Ice			
NHHSS-65B-R2B	B	From Leg	4.00	0.0000	132.00	No Ice	3.97	2.38	0.07
			0.00			1/2"	4.36	2.75	0.12
			1.00			Ice	4.76	3.12	0.17
						1" Ice	5.58	3.90	0.30
						2" Ice			
NHHSS-65B-R2B	C	From Leg	4.00	0.0000	132.00	No Ice	3.97	2.38	0.07
			0.00			1/2"	4.36	2.75	0.12
			1.00			Ice	4.76	3.12	0.17
						1" Ice	5.58	3.90	0.30
						2" Ice			
MT6407-77A w/ Mount Pipe	A	From Leg	4.00	0.0000	132.00	No Ice	4.91	2.68	0.10
			0.00			1/2"	5.26	3.14	0.14
			1.00			Ice	5.61	3.62	0.18
						1" Ice	6.36	4.63	0.29
						2" Ice			
MT6407-77A w/ Mount Pipe	B	From Leg	4.00	0.0000	132.00	No Ice	4.91	2.68	0.10
			0.00			1/2"	5.26	3.14	0.14
			1.00			Ice	5.61	3.62	0.18
						1" Ice	6.36	4.63	0.29
						2" Ice			
MT6407-77A w/ Mount Pipe	C	From Leg	4.00	0.0000	132.00	No Ice	4.91	2.68	0.10
			0.00			1/2"	5.26	3.14	0.14
			1.00			Ice	5.61	3.62	0.18
						1" Ice	6.36	4.63	0.29
						2" Ice			
RFV01U-D1A	A	From Leg	4.00	0.0000	132.00	No Ice	1.88	1.25	0.08
			0.00			1/2"	2.05	1.39	0.10
			1.00			Ice	2.22	1.54	0.12
						1" Ice	2.60	1.86	0.18
						2" Ice			
RFV01U-D1A	B	From Leg	4.00	0.0000	132.00	No Ice	1.88	1.25	0.08
			0.00			1/2"	2.05	1.39	0.10
			1.00			Ice	2.22	1.54	0.12
						1" Ice	2.60	1.86	0.18
						2" Ice			
RFV01U-D1A	C	From Leg	4.00	0.0000	132.00	No Ice	1.88	1.25	0.08
			0.00			1/2"	2.05	1.39	0.10
			1.00			Ice	2.22	1.54	0.12
						1" Ice	2.60	1.86	0.18
						2" Ice			
RFV01U-D2A	A	From Leg	4.00	0.0000	132.00	No Ice	1.88	1.01	0.07
			0.00			1/2"	2.05	1.14	0.09
			1.00			Ice	2.22	1.28	0.11
						1" Ice	2.60	1.59	0.15
						2" Ice			

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} _{Front}	C _{AA} _{Side}	Weight
			Horz	Lateral					
			ft	ft	°	ft	ft ²	ft ²	K
RFV01U-D2A	B	From Leg	4.00	0.0000	132.00	No Ice	1.88	1.01	0.07
			0.00			1/2"	2.05	1.14	0.09
			1.00			Ice	2.22	1.28	0.11
						1" Ice	2.60	1.59	0.15
						2" Ice			
RFV01U-D2A	C	From Leg	4.00	0.0000	132.00	No Ice	1.88	1.01	0.07
			0.00			1/2"	2.05	1.14	0.09
			1.00			Ice	2.22	1.28	0.11
						1" Ice	2.60	1.59	0.15
						2" Ice			
Side By Side Mounting Kit [#BASMNT_SBS-1-2]	A	From Leg	4.00	0.0000	132.00	No Ice	1.90	1.90	0.03
			0.00			1/2"	2.73	2.73	0.04
			0.00			Ice	3.40	3.40	0.06
						1" Ice	4.40	4.40	0.12
						2" Ice			
Side By Side Mounting Kit [#BASMNT_SBS-1-2]	B	From Leg	4.00	0.0000	132.00	No Ice	1.90	1.90	0.03
			0.00			1/2"	2.73	2.73	0.04
			0.00			Ice	3.40	3.40	0.06
						1" Ice	4.40	4.40	0.12
						2" Ice			
Side By Side Mounting Kit [#BASMNT_SBS-1-2]	C	From Leg	4.00	0.0000	132.00	No Ice	1.90	1.90	0.03
			0.00			1/2"	2.73	2.73	0.04
			0.00			Ice	3.40	3.40	0.06
						1" Ice	4.40	4.40	0.12
						2" Ice			

MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.00	0.0000	114.00	No Ice	8.01	4.23	0.11
			0.00			1/2"	8.52	4.69	0.19
			0.00			Ice	9.04	5.16	0.29
						1" Ice	10.11	6.12	0.52
						2" Ice			
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.00	0.0000	114.00	No Ice	8.01	4.23	0.11
			0.00			1/2"	8.52	4.69	0.19
			0.00			Ice	9.04	5.16	0.29
						1" Ice	10.11	6.12	0.52
						2" Ice			
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.00	0.0000	114.00	No Ice	8.01	4.23	0.11
			0.00			1/2"	8.52	4.69	0.19
			0.00			Ice	9.04	5.16	0.29
						1" Ice	10.11	6.12	0.52
						2" Ice			
TA08025-B604	A	From Leg	4.00	0.0000	114.00	No Ice	1.96	0.98	0.06
			0.00			1/2"	2.14	1.11	0.08
			0.00			Ice	2.32	1.25	0.10
						1" Ice	2.71	1.55	0.15
						2" Ice			
TA08025-B604	B	From Leg	4.00	0.0000	114.00	No Ice	1.96	0.98	0.06
			0.00			1/2"	2.14	1.11	0.08
			0.00			Ice	2.32	1.25	0.10
						1" Ice	2.71	1.55	0.15
						2" Ice			
TA08025-B604	C	From Leg	4.00	0.0000	114.00	No Ice	1.96	0.98	0.06
			0.00			1/2"	2.14	1.11	0.08
			0.00			Ice	2.32	1.25	0.10
						1" Ice	2.71	1.55	0.15
						2" Ice			
TA08025-B605	A	From Leg	4.00	0.0000	114.00	No Ice	1.96	1.13	0.08
			0.00			1/2"	2.14	1.27	0.09
			0.00			Ice	2.32	1.41	0.11
						1" Ice	2.71	1.72	0.16
						2" Ice			
TA08025-B605	B	From Leg	4.00	0.0000	114.00	No Ice	1.96	1.13	0.08
			0.00			1/2"	2.14	1.27	0.09
			0.00			Ice	2.32	1.41	0.11
						1" Ice	2.71	1.72	0.16
						2" Ice			

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K	
TA08025-B605	C	From Leg	4.00 0.00 0.00	0.0000	114.00	2" Ice			
						No Ice	1.96	1.13	0.08
						1/2"	2.14	1.27	0.09
						Ice	2.32	1.41	0.11
						1" Ice	2.71	1.72	0.16
RDIDC-9181-PF-48	A	From Leg	4.00 0.00 0.00	0.0000	114.00	2" Ice			
						No Ice	2.01	1.17	0.02
						1/2"	2.19	1.31	0.04
						Ice	2.37	1.46	0.06
						1" Ice	2.76	1.78	0.11
(2) 8' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	114.00	2" Ice			
						No Ice	1.90	1.90	0.03
						1/2"	2.73	2.73	0.04
						Ice	3.40	3.40	0.06
						1" Ice	4.40	4.40	0.12
(2) 8' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	114.00	2" Ice			
						No Ice	1.90	1.90	0.03
						1/2"	2.73	2.73	0.04
						Ice	3.40	3.40	0.06
						1" Ice	4.40	4.40	0.12
(2) 8' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	114.00	2" Ice			
						No Ice	1.90	1.90	0.03
						1/2"	2.73	2.73	0.04
						Ice	3.40	3.40	0.06
						1" Ice	4.40	4.40	0.12
Commscope MC-PK8-DSH	C	None		0.0000	114.00	2" Ice			
						No Ice	34.24	34.24	1.75
						1/2"	62.95	62.95	2.10
						Ice	91.66	91.66	2.45
						1" Ice	149.08	149.08	3.15

58532A	A	From Leg	3.00 0.00 1.00	0.0000	101.00	2" Ice			
						No Ice	0.19	0.19	0.00
						1/2"	0.25	0.25	0.00
						Ice	0.31	0.31	0.01
						1" Ice	0.47	0.47	0.02
Side Arm Mount [SO 701-1]	A	From Leg	1.50 0.00 0.00	0.0000	101.00	2" Ice			
						No Ice	0.85	1.67	0.07
						1/2"	1.14	2.34	0.08
						Ice	1.43	3.01	0.09
						1" Ice	2.01	4.35	0.12

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

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	160.333 - 155.333	Pole	Max Tension	48	0.00	0.00	-0.00
			Max. Compression	26	-15.14	-2.70	-0.02
			Max. Mx	8	-4.23	-11.05	-0.15
			Max. My	14	-4.27	-0.33	-10.69
			Max. Vy	8	7.52	-11.05	-0.15
			Max. Vx	2	-7.52	-0.26	10.54
			Max. Torque	3			-1.59
L2	155.333 - 150.333	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-16.32	-3.12	0.15
			Max. Mx	8	-4.67	-50.38	-0.21
			Max. My	14	-4.75	-0.51	-48.91
			Max. Vy	8	8.18	-50.38	-0.21
			Max. Vx	2	-7.78	-0.26	48.83
			Max. Torque	13			1.64
L3	150.333 - 146.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-17.15	-3.42	0.28
			Max. Mx	8	-4.98	-79.84	-0.26
			Max. My	14	-5.10	-0.64	-76.44
			Max. Vy	8	8.63	-79.84	-0.26
			Max. Vx	2	-7.96	-0.25	76.40
			Max. Torque	13			1.69
L4	146.833 -	Pole	Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
	146.333		Max. Compression	26	-17.29	-3.47	0.30
			Max. Mx	8	-5.04	-84.19	-0.27
			Max. My	14	-5.16	-0.66	-80.42
			Max. Vy	8	8.71	-84.19	-0.27
			Max. Vx	2	-8.00	-0.25	80.40
			Max. Torque	13			1.69
L5	146.333 - 141.333	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-31.13	-4.19	0.62
			Max. Mx	8	-9.97	-157.49	-0.29
			Max. My	2	-10.15	-0.32	149.28
			Max. Vy	8	14.77	-157.49	-0.29
			Max. Vx	2	-13.77	-0.32	149.28
			Max. Torque	13			1.69
L6	141.333 - 136.333	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-33.53	-4.95	0.96
			Max. Mx	8	-10.79	-235.07	-0.31
			Max. My	2	-10.99	-0.40	221.12
			Max. Vy	8	16.17	-235.07	-0.31
			Max. Vx	2	-14.90	-0.40	221.12
			Max. Torque	13			1.69
L7	136.333 - 131.333	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-46.96	-5.69	0.25
			Max. Mx	8	-15.45	-325.06	-0.52
			Max. My	2	-15.71	-0.46	303.62
			Max. Vy	8	22.06	-325.06	-0.52
			Max. Vx	2	-20.40	-0.46	303.62
			Max. Torque	13			1.69
L8	131.333 - 126.333	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-48.76	-6.28	0.76
			Max. Mx	8	-16.28	-437.51	-0.48
			Max. My	2	-16.54	-0.45	407.30
			Max. Vy	8	22.91	-437.51	-0.48
			Max. Vx	2	-21.04	-0.45	407.30
			Max. Torque	3			-1.58
L9	126.333 - 121.333	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.63	-6.86	1.29
			Max. Mx	8	-17.15	-554.15	-0.42
			Max. My	2	-17.41	-0.44	514.19
			Max. Vy	8	23.75	-554.15	-0.42
			Max. Vx	2	-21.68	-0.44	514.19
			Max. Torque	3			-1.58
L10	121.333 - 120.083	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.15	-7.01	1.43
			Max. Mx	8	-17.37	-583.97	-0.41
			Max. My	2	-17.63	-0.44	541.41
			Max. Vy	8	23.96	-583.97	-0.41
			Max. Vx	2	-21.85	-0.44	541.41
			Max. Torque	3			-1.58
L11	120.083 - 119.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.27	-7.04	1.46
			Max. Mx	8	-17.45	-589.97	-0.41
			Max. My	2	-17.70	-0.44	546.88
			Max. Vy	8	23.99	-589.97	-0.41
			Max. Vx	2	-21.87	-0.44	546.88
			Max. Torque	3			-1.58
L12	119.833 - 117.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.43	-7.30	1.69
			Max. Mx	8	-18.00	-646.37	-0.38
			Max. My	2	-18.25	-0.43	598.38
			Max. Vy	8	24.34	-646.37	-0.38

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L13	117.5 - 117.25	Pole	Max. Vx	2	-22.23	-0.43	598.38
			Max. Torque	3			-1.58
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.57	-7.32	1.71
			Max. Mx	8	-18.08	-652.46	-0.37
			Max. My	2	-18.33	-0.43	603.95
			Max. Vy	8	24.38	-652.46	-0.37
L14	117.25 - 115.5	Pole	Max. Vx	2	-22.26	-0.43	603.95
			Max. Torque	3			-1.58
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.52	-7.53	1.90
			Max. Mx	8	-18.52	-695.37	-0.35
			Max. My	2	-18.76	-0.42	643.24
			Max. Vy	8	24.65	-695.37	-0.35
L15	115.5 - 115.25	Pole	Max. Vx	2	-22.60	-0.42	643.24
			Max. Torque	3			-1.59
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.67	-7.56	1.93
			Max. Mx	8	-18.61	-701.54	-0.35
			Max. My	2	-18.85	-0.42	648.90
			Max. Vy	8	24.68	-701.54	-0.35
L16	115.25 - 110.25	Pole	Max. Vx	2	-22.64	-0.42	648.90
			Max. Torque	3			-1.59
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-63.51	-8.21	3.09
			Max. Mx	8	-23.06	-840.59	-0.17
			Max. My	2	-23.28	-0.42	778.62
			Max. Vy	8	29.10	-840.59	-0.17
L17	110.25 - 104.083	Pole	Max. Vx	2	-27.31	-0.42	778.62
			Max. Torque	3			-1.64
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-64.97	-8.54	3.39
			Max. Mx	8	-23.80	-911.79	-0.12
			Max. My	2	-24.01	-0.43	845.65
			Max. Vy	8	29.48	-911.79	-0.12
L18	104.083 - 102.82	Pole	Max. Vx	2	-27.80	-0.43	845.65
			Max. Torque	3			-1.66
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-69.23	-9.22	4.02
			Max. Mx	8	-26.26	-1061.49	-0.04
			Max. My	2	-26.45	-0.43	987.64
			Max. Vy	8	30.36	-1061.49	-0.04
L19	102.82 - 100.5	Pole	Max. Vx	2	-28.92	-0.43	987.64
			Max. Torque	3			-1.70
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-70.83	-9.54	4.74
			Max. Mx	8	-27.12	-1132.41	0.20
			Max. My	2	-27.29	-0.44	1055.58
			Max. Vy	8	30.81	-1132.41	0.20
L20	100.5 - 100.25	Pole	Max. Vx	2	-29.44	-0.44	1055.58
			Max. Torque	23			-1.94
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-70.99	-9.58	4.78
			Max. Mx	8	-27.21	-1140.12	0.20
			Max. My	2	-27.39	-0.44	1062.95
			Max. Vy	8	30.84	-1140.12	0.20
L21	100.25 - 98.5	Pole	Max. Vx	2	-29.48	-0.44	1062.95
			Max. Torque	23			-1.95
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-72.13	-9.82	5.05

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L22	98.5 - 98.25	Pole	Max. Mx	8	-27.77	-1194.35	0.24
			Max. My	2	-27.94	-0.44	1114.91
			Max. Vy	8	31.12	-1194.35	0.24
			Max. Vx	2	-29.85	-0.44	1114.91
			Max. Torque	23			-1.98
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-72.29	-9.86	5.09
			Max. Mx	8	-27.88	-1202.13	0.24
			Max. My	2	-28.04	-0.44	1122.38
			Max. Vy	8	31.14	-1202.13	0.24
L23	98.25 - 93.25	Pole	Max. Vx	2	-29.88	-0.44	1122.38
			Max. Torque	23			-1.98
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-75.46	-10.57	5.86
			Max. Mx	8	-29.61	-1359.78	0.33
			Max. My	2	-29.75	-0.45	1274.38
			Max. Vy	8	31.90	-1359.78	0.33
			Max. Vx	2	-30.87	-0.45	1274.38
			Max. Torque	23			-1.98
			Max Tension	1	0.00	0.00	0.00
L24	93.25 - 90.5	Pole	Max. Compression	26	-77.19	-10.95	6.27
			Max. Mx	8	-30.58	-1448.07	0.39
			Max. My	2	-30.71	-0.46	1359.91
			Max. Vy	8	32.31	-1448.07	0.39
			Max. Vx	2	-31.29	-0.46	1359.91
			Max. Torque	23			-1.98
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-77.36	-10.99	6.31
			Max. Mx	8	-30.69	-1456.15	0.39
			Max. My	2	-30.82	-0.46	1367.75
L25	90.5 - 90.25	Pole	Max. Vy	8	32.33	-1456.15	0.39
			Max. Vx	2	-31.33	-0.46	1367.75
			Max. Torque	23			-1.98
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-80.76	-11.68	7.11
			Max. Mx	8	-32.65	-1619.74	0.49
			Max. My	2	-32.75	-0.48	1527.01
			Max. Vy	8	33.08	-1619.74	0.49
			Max. Vx	2	-32.32	-0.48	1527.01
			Max. Torque	23			-1.98
L26	90.25 - 85.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.07	-11.93	7.35
			Max. Mx	8	-33.33	-1677.94	0.53
			Max. My	2	-33.43	-0.48	1583.93
			Max. Vy	8	33.44	-1677.94	0.53
			Max. Vx	2	-32.69	-0.48	1583.93
			Max. Torque	23			-2.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.27	-11.96	7.39
			Max. Mx	8	-33.47	-1686.31	0.53
L27	85.25 - 83.5	Pole	Max. My	2	-33.57	-0.48	1592.11
			Max. Vy	8	33.47	-1686.31	0.53
			Max. Vx	2	-32.72	-0.48	1592.11
			Max. Torque	23			-2.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-84.33	-12.30	7.72
			Max. Mx	8	-34.63	-1770.54	0.59
			Max. My	2	-34.72	-0.49	1674.66
			Max. Vy	8	33.89	-1770.54	0.59
			Max. Vx	2	-33.26	-0.49	1674.66
L28	83.5 - 83.25	Pole	Max. Torque	23			-2.02
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-84.55	-12.34	7.76
			Max. Mx	8	-34.77	-1779.02	0.59
			Max. My	2	-34.86	-0.49	1682.99
			Max. Vy	8	33.92	-1779.02	0.59
			Max. Vx	2			
			Max. Torque	23			
			Max Tension	1			
			Max. Compression	26			
L29	83.25 - 80.75	Pole	Max. Mx	8			
			Max. My	2			
			Max. Vy	8			
			Max. Vx	2			
			Max. Torque	23			
			Max Tension	1			
			Max. Compression	26			
			Max. Mx	8			
			Max. My	2			
			Max. Vy	8			
L30	80.75 - 80.5	Pole	Max. Vx	2			
			Max. Torque	23			
			Max Tension	1			
			Max. Compression	26			
			Max. Mx	8			
			Max. My	2			
			Max. Vy	8			
			Max. Vx	2			
			Max. Torque	23			
			Max Tension	1			
Max. Compression	26						

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L31	80.5 - 80.25	Pole	Max. Vx	2	-33.31	-0.49	1682.99
			Max. Torque	23			-2.02
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-84.77	-12.37	7.79
			Max. Mx	8	-34.89	-1787.51	0.60
			Max. My	2	-34.98	-0.49	1691.34
			Max. Vy	8	33.97	-1787.51	0.60
L32	80.25 - 77.5	Pole	Max. Vx	2	-33.36	-0.49	1691.34
			Max. Torque	23			-2.03
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-87.14	-12.75	8.16
			Max. Mx	8	-36.26	-1881.60	0.66
			Max. My	2	-36.34	-0.51	1783.99
			Max. Vy	8	34.44	-1881.60	0.66
L33	77.5 - 77.25	Pole	Max. Vx	2	-33.96	-0.51	1783.99
			Max. Torque	23			-2.05
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-87.33	-12.79	8.20
			Max. Mx	8	-36.38	-1890.22	0.66
			Max. My	2	-36.46	-0.51	1792.49
			Max. Vy	8	34.47	-1890.22	0.66
L34	77.25 - 68.82	Pole	Max. Vx	2	-34.00	-0.51	1792.49
			Max. Torque	23			-2.06
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-90.37	-13.32	8.74
			Max. Mx	8	-38.12	-2027.92	0.75
			Max. My	2	-38.18	-0.52	1928.79
			Max. Vy	8	35.08	-2027.92	0.75
L35	68.82 - 68.291	Pole	Max. Vx	2	-34.80	-0.52	1928.79
			Max. Torque	23			-2.10
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-96.29	-13.99	9.43
			Max. Mx	8	-41.98	-2205.61	0.87
			Max. My	2	-42.03	-0.55	2105.79
			Max. Vy	8	35.96	-2205.61	0.87
L36	68.291 - 64.25	Pole	Max. Vx	2	-35.91	-0.55	2105.79
			Max. Torque	23			-2.15
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-99.53	-14.54	9.99
			Max. Mx	8	-43.90	-2352.18	0.96
			Max. My	2	-43.93	-0.57	2252.62
			Max. Vy	8	36.56	-2352.18	0.96
L37	64.25 - 64	Pole	Max. Vx	2	-36.70	-0.57	2252.62
			Max. Torque	23			-2.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-99.75	-14.58	10.03
			Max. Mx	8	-44.04	-2361.32	0.97
			Max. My	2	-44.07	-0.57	2261.80
			Max. Vy	8	36.58	-2361.32	0.97
L38	64 - 60.5	Pole	Max. Vx	2	-36.74	-0.57	2261.80
			Max. Torque	23			-2.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-102.74	-15.04	10.49
			Max. Mx	8	-45.80	-2490.37	1.05
			Max. My	2	-45.82	-0.59	2391.74
			Max. Vy	8	37.13	-2490.37	1.05
L39	60.5 - 60.25	Pole	Max. Vx	2	-37.45	-0.59	2391.74
			Max. Torque	23			-2.19
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-102.97	-15.08	10.53
			Max. Mx	8	-45.94	-2499.66	1.06
			Max. My	2	-45.97	-0.59	2401.11
			Max. Vy	8	37.17	-2499.66	1.06
L40	60.25 -	Pole	Max. Vx	2	-37.49	-0.59	2401.11
			Max. Torque	23			-2.19
			Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
	60.083		Max. Compression	26	-103.13	-15.10	10.55
			Max. Mx	8	-46.03	-2505.87	1.06
			Max. My	2	-46.06	-0.59	2407.38
			Max. Vy	8	37.20	-2505.87	1.06
			Max. Vx	2	-37.52	-0.59	2407.38
			Max. Torque	23			-2.19
L41	60.083 - 59.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-103.36	-15.14	10.59
			Max. Mx	8	-46.17	-2515.18	1.07
			Max. My	2	-46.20	-0.59	2416.78
			Max. Vy	8	37.25	-2515.18	1.07
			Max. Vx	2	-37.57	-0.59	2416.78
			Max. Torque	23			-2.19
L42	59.833 - 59.083	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-104.05	-15.26	10.72
			Max. Mx	8	-46.58	-2543.20	1.09
			Max. My	2	-46.60	-0.60	2445.04
			Max. Vy	8	37.42	-2543.20	1.09
			Max. Vx	2	-37.73	-0.60	2445.04
			Max. Torque	23			-2.19
L43	59.083 - 58.833	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-104.29	-15.30	10.76
			Max. Mx	8	-46.73	-2552.56	1.09
			Max. My	2	-46.75	-0.60	2454.49
			Max. Vy	8	37.46	-2552.56	1.09
			Max. Vx	2	-37.77	-0.60	2454.49
			Max. Torque	23			-2.19
L44	58.833 - 55.4167	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-107.56	-15.83	11.34
			Max. Mx	8	-48.71	-2681.81	1.18
			Max. My	2	-48.73	-0.62	2584.86
			Max. Vy	8	38.18	-2681.81	1.18
			Max. Vx	2	-38.49	-0.62	2584.86
			Max. Torque	23			-2.19
L45	55.4167 - 55.1667	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-107.79	-15.87	11.38
			Max. Mx	8	-48.87	-2691.36	1.18
			Max. My	2	-48.89	-0.62	2594.50
			Max. Vy	8	38.22	-2691.36	1.18
			Max. Vx	2	-38.52	-0.62	2594.50
			Max. Torque	23			-2.19
L46	55.1667 - 54.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-108.19	-15.93	11.45
			Max. Mx	8	-49.11	-2707.32	1.19
			Max. My	2	-49.13	-0.62	2610.58
			Max. Vy	8	38.31	-2707.32	1.19
			Max. Vx	2	-38.61	-0.62	2610.58
			Max. Torque	23			-2.19
L47	54.75 - 54.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-108.42	-15.97	11.50
			Max. Mx	8	-49.24	-2716.90	1.20
			Max. My	2	-49.27	-0.62	2620.25
			Max. Vy	8	38.35	-2716.90	1.20
			Max. Vx	2	-38.66	-0.62	2620.25
			Max. Torque	23			-2.19
L48	54.5 - 49.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-112.72	-16.72	12.35
			Max. Mx	8	-51.85	-2910.62	1.33
			Max. My	2	-51.87	-0.65	2815.57
			Max. Vy	8	39.11	-2910.62	1.33
			Max. Vx	2	-39.41	-0.65	2815.57
			Max. Torque	23			-2.19

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L49	49.5 - 44.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-116.95	-17.42	13.19
			Max. Mx	8	-54.49	-3107.94	1.47
			Max. My	2	-54.51	-0.69	3014.41
			Max. Vy	8	39.81	-3107.94	1.47
			Max. Vx	2	-40.08	-0.69	3014.41
			Max. Torque	23			-2.19
L50	44.5 - 41.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-119.75	-17.83	13.65
			Max. Mx	8	-56.23	-3238.05	1.56
			Max. My	2	-56.25	-0.71	3145.45
			Max. Vy	8	40.25	-3238.05	1.56
			Max. Vx	2	-40.51	-0.71	3145.45
			Max. Torque	23			-2.19
L51	41.25 - 41	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-119.97	-17.86	13.69
			Max. Mx	8	-56.39	-3248.11	1.56
			Max. My	2	-56.40	-0.71	3155.59
			Max. Vy	8	40.27	-3248.11	1.56
			Max. Vx	2	-40.52	-0.71	3155.59
			Max. Torque	23			-2.19
L52	41 - 34.291	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-121.83	-18.13	13.97
			Max. Mx	8	-57.54	-3328.97	1.62
			Max. My	2	-57.55	-0.73	3236.99
			Max. Vy	8	40.56	-3328.97	1.62
			Max. Vx	2	-40.81	-0.73	3236.99
			Max. Torque	23			-2.19
L53	34.291 - 33.291	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-130.41	-18.90	14.79
			Max. Mx	8	-63.59	-3563.50	1.78
			Max. My	2	-63.61	-0.77	3472.94
			Max. Vy	8	41.59	-3563.50	1.78
			Max. Vx	2	-41.77	-0.77	3472.94
			Max. Torque	23			-2.19
L54	33.291 - 31.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-132.28	-19.15	15.04
			Max. Mx	8	-64.80	-3638.23	1.84
			Max. My	2	-64.81	-0.79	3548.03
			Max. Vy	8	41.86	-3638.23	1.84
			Max. Vx	2	-42.04	-0.79	3548.03
			Max. Torque	23			-2.19
L55	31.5 - 31.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-132.54	-19.18	15.08
			Max. Mx	8	-64.99	-3648.69	1.84
			Max. My	2	-65.00	-0.79	3558.54
			Max. Vy	8	41.88	-3648.69	1.84
			Max. Vx	2	-42.05	-0.79	3558.54
			Max. Torque	23			-2.19
L56	31.25 - 30.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-133.34	-19.29	15.23
			Max. Mx	8	-65.49	-3680.17	1.86
			Max. My	2	-65.51	-0.80	3590.15
			Max. Vy	8	42.03	-3680.17	1.86
			Max. Vx	2	-42.16	-0.80	3590.15
			Max. Torque	23			-2.19
L57	30.5 - 30.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-133.60	-19.32	15.26
			Max. Mx	8	-65.67	-3690.69	1.87
			Max. My	2	-65.68	-0.80	3600.70
			Max. Vy	8	42.07	-3690.69	1.87
			Max. Vx	2	-42.19	-0.80	3600.70
			Max. Torque	23			-2.19
L58	30.25 - 25.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-138.36	-19.93	15.90
			Max. Mx	8	-68.68	-3882.07	2.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L59	25.75 - 25.5	Pole	Max. My	2	-68.70	-0.83	3792.62
			Max. Vy	8	42.96	-3882.07	2.00
			Max. Vx	2	-43.04	-0.83	3792.62
			Max. Torque	23			-2.24
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-138.63	-19.96	15.93
			Max. Mx	8	-68.86	-3892.82	2.01
			Max. My	2	-68.87	-0.84	3803.39
			Max. Vy	8	43.00	-3892.82	2.01
L60	25.5 - 24.6667	Pole	Max. Vx	2	-43.07	-0.84	3803.39
			Max. Torque	23			-2.24
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-139.52	-20.07	16.03
			Max. Mx	8	-69.40	-3928.74	2.04
			Max. My	2	-69.41	-0.84	3839.39
			Max. Vy	8	43.20	-3928.74	2.04
			Max. Vx	2	-43.24	-0.84	3839.39
			Max. Torque	23			-2.25
L61	24.6667 - 24.4167	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-139.76	-20.11	16.06
			Max. Mx	8	-69.55	-3939.55	2.04
			Max. My	2	-69.57	-0.85	3850.21
			Max. Vy	8	43.24	-3939.55	2.04
			Max. Vx	2	-43.27	-0.85	3850.21
			Max. Torque	23			-2.26
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-140.17	-20.16	16.11
L62	24.4167 - 24	Pole	Max. Mx	8	-69.79	-3957.60	2.06
			Max. My	2	-69.80	-0.85	3868.27
			Max. Vy	8	43.33	-3957.60	2.06
			Max. Vx	2	-43.35	-0.85	3868.27
			Max. Torque	23			-2.26
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-140.42	-20.20	16.13
			Max. Mx	8	-69.94	-3968.44	2.06
			Max. My	2	-69.96	-0.85	3879.13
L63	24 - 23.75	Pole	Max. Vy	8	43.38	-3968.44	2.06
			Max. Vx	2	-43.39	-0.85	3879.13
			Max. Torque	23			-2.26
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-145.20	-20.78	16.61
			Max. Mx	8	-72.94	-4188.08	2.22
			Max. My	2	-72.95	-0.90	4098.42
			Max. Vy	8	44.45	-4188.08	2.22
			Max. Vx	2	-44.26	-0.90	4098.42
L64	23.75 - 18.75	Pole	Max. Torque	23			-2.33
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-149.53	-21.36	16.98
			Max. Mx	8	-75.77	-4397.65	2.36
			Max. My	2	-75.78	-0.94	4306.81
			Max. Vy	8	45.36	-4397.65	2.36
			Max. Vx	2	-45.00	-0.94	4306.81
			Max. Torque	23			-2.39
			Max Tension	1	0.00	0.00	0.00
L65	18.75 - 14.083	Pole	Max. Compression	26	-149.79	-21.39	17.00
			Max. Mx	8	-75.95	-4409.72	2.37
			Max. My	2	-75.96	-0.94	4318.79
			Max. Vy	8	45.39	-4409.72	2.37
			Max. Vx	2	-45.02	-0.94	4318.79
			Max. Torque	23			-2.39
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-149.93	-21.41	17.01
			Max. Mx	8	-76.04	-4416.54	2.38
L66	14.083 - 13.817	Pole	Max. My	2	-75.96	-0.94	4318.79
			Max. Vy	8	45.39	-4409.72	2.37
			Max. Vx	2	-45.02	-0.94	4318.79
			Max. Torque	23			-2.39
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-149.79	-21.39	17.00
			Max. Mx	8	-75.95	-4409.72	2.37
			Max. My	2	-75.96	-0.94	4318.79
			Max. Vy	8	45.39	-4409.72	2.37
L67	13.817 - 13.667	Pole	Max. Vx	2	-45.02	-0.94	4318.79
			Max. Torque	23			-2.39
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-149.93	-21.41	17.01
			Max. Mx	8	-76.04	-4416.54	2.38

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L68	13.667 - 10.5	Pole	Max. My	2	-76.06	-0.94	4325.55
			Max. Vy	8	45.41	-4416.54	2.38
			Max. Vx	2	-45.04	-0.94	4325.55
			Max. Torque	23			-2.40
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-152.93	-21.80	17.23
			Max. Mx	8	-78.01	-4561.37	2.48
			Max. My	2	-78.02	-0.97	4469.15
			Max. Vy	8	46.03	-4561.37	2.48
			Max. Vx	2	-45.58	-0.97	4469.15
L69	10.5 - 10.25	Pole	Max. Torque	23			-2.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-153.15	-21.83	17.25
			Max. Mx	8	-78.17	-4572.88	2.49
			Max. My	2	-78.18	-0.98	4480.55
			Max. Vy	8	46.05	-4572.88	2.49
			Max. Vx	2	-45.60	-0.98	4480.55
			Max. Torque	23			-2.41
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-157.57	-22.43	17.44
L70	10.25 - 5.25	Pole	Max. Mx	8	-81.19	-4805.40	2.62
			Max. My	2	-81.20	-1.02	4710.67
			Max. Vy	8	46.93	-4805.40	2.62
			Max. Vx	2	-46.40	-1.02	4710.67
			Max. Torque	23			-2.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-159.23	-22.59	17.31
			Max. Mx	8	-82.39	-4916.09	2.60
			Max. My	2	-82.39	-1.04	4820.03
			Max. Vy	8	47.29	-4916.09	2.60
L71	5.25 - 2.9	Pole	Max. Vx	2	-46.73	-1.04	4820.03
			Max. Torque	23			-2.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-159.40	-22.60	17.30
			Max. Mx	8	-82.53	-4927.91	2.60
			Max. My	2	-82.54	-1.04	4831.71
			Max. Vy	8	47.30	-4927.91	2.60
			Max. Vx	2	-46.73	-1.04	4831.71
			Max. Torque	23			-2.42
			Max Tension	1	0.00	0.00	0.00
L72	2.9 - 2.65	Pole	Max. Compression	26	-159.51	-22.61	17.29
			Max. Mx	8	-82.61	-4935.01	2.59
			Max. My	2	-82.62	-1.04	4838.73
			Max. Vy	8	47.31	-4935.01	2.59
			Max. Vx	2	-46.75	-1.04	4838.73
			Max. Torque	23			-2.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-159.69	-22.63	17.28
			Max. Mx	8	-82.75	-4946.85	2.59
			Max. My	2	-82.75	-1.04	4850.42
L73	2.65 - 2.5	Pole	Max. Vy	8	47.36	-4946.85	2.59
			Max. Vx	2	-46.79	-1.04	4850.42
			Max. Torque	23			-2.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-159.93	-22.65	17.27
			Max. Mx	8	-82.93	-4962.64	2.59
			Max. My	2	-82.93	-1.05	4866.01
			Max. Vy	8	47.41	-4962.64	2.59
			Max. Vx	2	-46.84	-1.05	4866.01
			Max. Torque	23			-2.42
L74	2.5 - 2.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-160.10	-22.67	17.25
			Max. Mx	8	-83.05	-4974.50	2.59
			Max. My	2	-83.06	-1.05	4877.72
			Max. Vy	8	47.45	-4974.50	2.59
			Max. Vx	2	-46.87	-1.05	4877.72
			Max. Torque	23			-2.42
			Max. Compression	26	-160.10	-22.67	17.25
			Max. Mx	8	-83.05	-4974.50	2.59
			Max. My	2	-83.06	-1.05	4877.72
L75	2.25 - 1.917	Pole	Max. Vy	8	47.45	-4974.50	2.59
			Max. Vx	2	-46.87	-1.05	4877.72
			Max. Torque	23			-2.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-160.10	-22.67	17.25
			Max. Mx	8	-83.05	-4974.50	2.59
			Max. My	2	-83.06	-1.05	4877.72
			Max. Vy	8	47.45	-4974.50	2.59
			Max. Vx	2	-46.87	-1.05	4877.72
			Max. Torque	23			-2.42
L76	1.917 - 1.667	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-160.10	-22.67	17.25
			Max. Mx	8	-83.05	-4974.50	2.59
			Max. My	2	-83.06	-1.05	4877.72
			Max. Vy	8	47.45	-4974.50	2.59
			Max. Vx	2	-46.87	-1.05	4877.72
			Max. Torque	23			-2.42
			Max. Compression	26	-160.10	-22.67	17.25
			Max. Mx	8	-83.05	-4974.50	2.59
			Max. My	2	-83.06	-1.05	4877.72

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L77	1.667 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-161.21	-22.77	17.19
			Max. Mx	8	-83.88	-5053.83	2.57
			Max. My	2	-83.88	-1.06	4956.06
			Max. Vy	8	47.74	-5053.83	2.57
			Max. Vx	2	-47.15	-1.06	4956.06
			Max. Torque	23			-2.42

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K	
Pole	Max. Vert	36	161.21	11.92	0.00	
	Max. H _x	20	83.91	47.69	0.02	
	Max. H _z	2	83.91	0.02	47.10	
	Max. M _x	2	4956.06	0.02	47.10	
	Max. M _z	8	5053.83	-47.69	-0.02	
	Max. Torsion	11	2.41	-41.10	-23.69	
	Min. Vert	19	62.93	36.63	-21.09	
	Min. H _x	8	83.91	-47.69	-0.02	
	Min. H _z	14	83.91	-0.02	-47.10	
	Min. M _x	14	-4944.62	-0.02	-47.10	
	Min. M _z	20	-5045.40	47.69	0.02	
	Min. Torsion	23		-2.42	41.10	23.69

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturing Moment, M _x kip-ft	Overturing Moment, M _z kip-ft	Torque kip-ft
Dead Only	69.93	0.00	-0.00	-4.60	-3.38	-0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	83.91	-0.02	-47.10	-4956.06	-1.06	2.05
0.9 Dead+1.0 Wind 0 deg - No Ice	62.93	-0.03	-47.10	-4894.82	0.01	2.06
1.2 Dead+1.0 Wind 30 deg - No Ice	83.91	22.88	-39.56	-4126.88	-2388.28	1.17
0.9 Dead+1.0 Wind 30 deg - No Ice	62.93	22.88	-39.56	-4075.42	-2358.27	1.17
1.2 Dead+1.0 Wind 60 deg - No Ice	83.91	36.63	-21.09	-2290.38	-3975.81	0.33
0.9 Dead+1.0 Wind 60 deg - No Ice	62.93	36.63	-21.09	-2260.74	-3925.76	0.34
1.2 Dead+1.0 Wind 90 deg - No Ice	83.91	47.69	0.02	-2.57	-5053.83	-1.37
0.9 Dead+1.0 Wind 90 deg - No Ice	62.93	47.69	0.02	-1.14	-4990.92	-1.37
1.2 Dead+1.0 Wind 120 deg - No Ice	83.91	41.10	23.69	2545.34	-4430.94	-2.41
0.9 Dead+1.0 Wind 120 deg - No Ice	62.93	41.10	23.69	2515.69	-4375.82	-2.41
1.2 Dead+1.0 Wind 150 deg - No Ice	83.91	22.26	38.45	4126.12	-2398.09	-1.94
0.9 Dead+1.0 Wind 150 deg - No Ice	62.93	22.26	38.45	4076.73	-2367.51	-1.94
1.2 Dead+1.0 Wind 180 deg - No Ice	83.91	0.02	47.10	4944.62	-7.35	-2.05
0.9 Dead+1.0 Wind 180 deg - No Ice	62.93	0.02	47.10	4886.35	-6.21	-2.06
1.2 Dead+1.0 Wind 210 deg - No Ice	83.91	-22.88	39.56	4115.43	2379.86	-1.17
0.9 Dead+1.0 Wind 210 deg - No Ice	62.93	-22.88	39.56	4066.94	2352.06	-1.17
1.2 Dead+1.0 Wind 240 deg - No Ice	83.91	-36.63	21.09	2278.92	3967.39	-0.34
0.9 Dead+1.0 Wind 240 deg - No Ice	62.93	-36.63	21.09	2252.25	3919.54	-0.34
1.2 Dead+1.0 Wind 270 deg - No Ice	83.91	-47.69	-0.02	-8.87	5045.40	1.37
0.9 Dead+1.0 Wind 270 deg - No Ice	62.93	-47.69	-0.02	-7.34	4984.70	1.37
1.2 Dead+1.0 Wind 300 deg - No Ice	83.91	-41.10	-23.69	-2556.77	4422.52	2.41
0.9 Dead+1.0 Wind 300 deg - No Ice	62.93	-41.10	-23.69	-2524.15	4369.61	2.42
1.2 Dead+1.0 Wind 330 deg - No Ice	83.91	-22.26	-38.45	-4137.56	2389.66	1.94
0.9 Dead+1.0 Wind 330 deg - No Ice	62.93	-22.26	-38.45	-4085.20	2361.28	1.94
1.2 Dead+1.0 Ice+1.0 Temp	161.21	0.00	-0.00	-17.19	-22.77	-0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	161.21	-0.00	-11.75	-1418.66	-22.40	0.64
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	161.21	5.54	-9.58	-1166.24	-687.84	0.31

Load Combination	Vertical	Shear _x	Shear _z	Overturing Moment, M _x	Overturing Moment, M _z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	161.21	9.10	-5.24	-665.32	-1149.09	0.07
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	161.21	11.92	0.00	-16.79	-1466.86	-0.56
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	161.21	10.51	6.06	718.31	-1299.78	-0.93
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	161.21	5.35	9.24	1119.46	-681.40	-0.51
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	161.21	0.00	11.75	1384.07	-23.41	-0.64
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	161.21	-5.54	9.58	1131.65	642.04	-0.31
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	161.21	-9.10	5.24	630.73	1103.29	-0.07
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	161.21	-11.92	-0.00	-17.80	1421.06	0.56
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	161.21	-10.51	-6.06	-752.91	1253.99	0.92
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	161.21	-5.35	-9.24	-1154.06	635.59	0.51
Dead+Wind 0 deg - Service	69.93	-0.00	-10.22	-1072.04	-2.82	0.46
Dead+Wind 30 deg - Service	69.93	4.97	-8.59	-893.19	-517.46	0.27
Dead+Wind 60 deg - Service	69.93	7.95	-4.58	-497.21	-859.59	0.08
Dead+Wind 90 deg - Service	69.93	10.35	0.00	-4.07	-1092.22	-0.29
Dead+Wind 120 deg - Service	69.93	8.92	5.14	545.29	-957.95	-0.53
Dead+Wind 150 deg - Service	69.93	4.83	8.35	885.98	-519.56	-0.43
Dead+Wind 180 deg - Service	69.93	0.00	10.22	1062.55	-4.17	-0.46
Dead+Wind 210 deg - Service	69.93	-4.97	8.59	883.70	510.47	-0.27
Dead+Wind 240 deg - Service	69.93	-7.95	4.58	487.72	852.60	-0.08
Dead+Wind 270 deg - Service	69.93	-10.35	-0.00	-5.42	1085.23	0.29
Dead+Wind 300 deg - Service	69.93	-8.92	-5.14	-554.78	950.96	0.53
Dead+Wind 330 deg - Service	69.93	-4.83	-8.35	-895.47	512.56	0.43

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.00	-69.93	0.00	-0.00	69.93	0.00	0.000%
2	-0.02	-83.91	-47.10	0.02	83.91	47.10	0.000%
3	-0.02	-62.93	-47.10	0.03	62.93	47.10	0.016%
4	22.88	-83.91	-39.56	-22.88	83.91	39.56	0.000%
5	22.88	-62.93	-39.56	-22.88	62.93	39.56	0.000%
6	36.63	-83.91	-21.09	-36.63	83.91	21.09	0.000%
7	36.63	-62.93	-21.09	-36.63	62.93	21.09	0.000%
8	47.69	-83.91	0.02	-47.69	83.91	-0.02	0.000%
9	47.69	-62.93	0.02	-47.69	62.93	-0.02	0.000%
10	41.10	-83.91	23.69	-41.10	83.91	-23.69	0.000%
11	41.10	-62.93	23.69	-41.10	62.93	-23.69	0.000%
12	22.26	-83.91	38.45	-22.26	83.91	-38.45	0.000%
13	22.26	-62.93	38.45	-22.26	62.93	-38.45	0.000%
14	0.02	-83.91	47.10	-0.02	83.91	-47.10	0.000%
15	0.02	-62.93	47.10	-0.02	62.93	-47.10	0.000%
16	-22.88	-83.91	39.56	22.88	83.91	-39.56	0.000%
17	-22.88	-62.93	39.56	22.88	62.93	-39.56	0.000%
18	-36.63	-83.91	21.09	36.63	83.91	-21.09	0.000%
19	-36.63	-62.93	21.09	36.63	62.93	-21.09	0.000%
20	-47.69	-83.91	-0.02	47.69	83.91	0.02	0.000%
21	-47.69	-62.93	-0.02	47.69	62.93	0.02	0.000%
22	-41.10	-83.91	-23.69	41.10	83.91	23.69	0.000%
23	-41.10	-62.93	-23.69	41.10	62.93	23.69	0.000%
24	-22.26	-83.91	-38.45	22.26	83.91	38.45	0.000%
25	-22.26	-62.93	-38.45	22.26	62.93	38.45	0.000%
26	0.00	-161.21	0.00	-0.00	161.21	0.00	0.000%
27	-0.00	-161.21	-11.75	0.00	161.21	11.75	0.000%
28	5.54	-161.21	-9.58	-5.54	161.21	9.58	0.000%

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
29	9.10	-161.21	-5.24	-9.10	161.21	5.24	0.000%
30	11.92	-161.21	0.00	-11.92	161.21	-0.00	0.000%
31	10.51	-161.21	6.06	-10.51	161.21	-6.06	0.000%
32	5.35	-161.21	9.24	-5.35	161.21	-9.24	0.000%
33	0.00	-161.21	11.75	-0.00	161.21	-11.75	0.000%
34	-5.54	-161.21	9.58	5.54	161.21	-9.58	0.000%
35	-9.10	-161.21	5.24	9.10	161.21	-5.24	0.000%
36	-11.92	-161.21	-0.00	11.92	161.21	0.00	0.000%
37	-10.51	-161.21	-6.06	10.51	161.21	6.06	0.000%
38	-5.35	-161.21	-9.24	5.35	161.21	9.24	0.000%
39	-0.00	-69.93	-10.22	0.00	69.93	10.22	0.000%
40	4.97	-69.93	-8.59	-4.97	69.93	8.59	0.000%
41	7.95	-69.93	-4.58	-7.95	69.93	4.58	0.000%
42	10.35	-69.93	0.00	-10.35	69.93	-0.00	0.000%
43	8.92	-69.93	5.14	-8.92	69.93	-5.14	0.000%
44	4.83	-69.93	8.35	-4.83	69.93	-8.35	0.000%
45	0.00	-69.93	10.22	-0.00	69.93	-10.22	0.000%
46	-4.97	-69.93	8.59	4.97	69.93	-8.59	0.000%
47	-7.95	-69.93	4.58	7.95	69.93	-4.58	0.000%
48	-10.35	-69.93	-0.00	10.35	69.93	0.00	0.000%
49	-8.92	-69.93	-5.14	8.92	69.93	5.14	0.000%
50	-4.83	-69.93	-8.35	4.83	69.93	8.35	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000539
2	Yes	6	0.00000001	0.00007075
3	Yes	6	0.00000001	0.00004942
4	Yes	7	0.00000001	0.00008582
5	Yes	7	0.00000001	0.00002099
6	Yes	7	0.00000001	0.00008105
7	Yes	7	0.00000001	0.00001995
8	Yes	6	0.00000001	0.00005048
9	Yes	6	0.00000001	0.00001635
10	Yes	7	0.00000001	0.00009424
11	Yes	7	0.00000001	0.00002221
12	Yes	7	0.00000001	0.00008941
13	Yes	7	0.00000001	0.00002173
14	Yes	6	0.00000001	0.00007613
15	Yes	6	0.00000001	0.00002611
16	Yes	7	0.00000001	0.00008269
17	Yes	7	0.00000001	0.00002019
18	Yes	7	0.00000001	0.00008136
19	Yes	7	0.00000001	0.00002012
20	Yes	6	0.00000001	0.00005585
21	Yes	6	0.00000001	0.00001827
22	Yes	7	0.00000001	0.00009933
23	Yes	7	0.00000001	0.00002358
24	Yes	7	0.00000001	0.00008550
25	Yes	7	0.00000001	0.00002065
26	Yes	7	0.00000001	0.00001635
27	Yes	8	0.00000001	0.00009423
28	Yes	9	0.00000001	0.00001707
29	Yes	9	0.00000001	0.00001683
30	Yes	9	0.00000001	0.00001560
31	Yes	9	0.00000001	0.00001882
32	Yes	9	0.00000001	0.00001667
33	Yes	8	0.00000001	0.00009173
34	Yes	9	0.00000001	0.00001586
35	Yes	9	0.00000001	0.00001567
36	Yes	8	0.00000001	0.00009581
37	Yes	9	0.00000001	0.00001869
38	Yes	9	0.00000001	0.00001635
39	Yes	5	0.00000001	0.00009539

40	Yes	6	0.00000001	0.00001775
41	Yes	6	0.00000001	0.00001588
42	Yes	5	0.00000001	0.00008813
43	Yes	6	0.00000001	0.00001922
44	Yes	6	0.00000001	0.00001886
45	Yes	5	0.00000001	0.00009513
46	Yes	6	0.00000001	0.00001578
47	Yes	6	0.00000001	0.00001581
48	Yes	5	0.00000001	0.00008782
49	Yes	6	0.00000001	0.00002205
50	Yes	6	0.00000001	0.00001671

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160.333 - 155.333	24.054	43	1.4236	0.0058
L2	155.333 - 150.333	22.564	43	1.4228	0.0057
L3	150.333 - 146.833	21.081	43	1.4054	0.0045
L4	146.833 - 146.333	20.060	43	1.3799	0.0037
L5	146.333 - 141.333	19.915	43	1.3782	0.0037
L6	141.333 - 136.333	18.489	43	1.3449	0.0031
L7	136.333 - 131.333	17.104	43	1.2974	0.0026
L8	131.333 - 126.333	15.776	43	1.2378	0.0022
L9	126.333 - 121.333	14.517	43	1.1649	0.0018
L10	121.333 - 120.083	13.341	43	1.0802	0.0015
L11	120.083 - 119.833	13.061	43	1.0577	0.0014
L12	119.833 - 117.5	13.005	43	1.0553	0.0014
L13	117.5 - 117.25	12.495	43	1.0321	0.0013
L14	117.25 - 115.5	12.441	43	1.0296	0.0013
L15	115.5 - 115.25	12.067	43	1.0123	0.0013
L16	115.25 - 110.25	12.014	43	1.0103	0.0013
L17	110.25 - 104.083	10.978	43	0.9686	0.0012
L18	107.82 - 102.82	10.491	43	0.9467	0.0011
L19	102.82 - 100.5	9.512	43	0.9178	0.0011
L20	100.5 - 100.25	9.071	43	0.8954	0.0010
L21	100.25 - 98.5	9.025	43	0.8928	0.0010
L22	98.5 - 98.25	8.701	43	0.8744	0.0010
L23	98.25 - 93.25	8.655	43	0.8718	0.0010
L24	93.25 - 90.5	7.770	43	0.8188	0.0009
L25	90.5 - 90.25	7.307	43	0.7884	0.0008
L26	90.25 - 85.25	7.266	43	0.7858	0.0008
L27	85.25 - 83.5	6.471	43	0.7324	0.0007
L28	83.5 - 83.25	6.206	43	0.7134	0.0007
L29	83.25 - 80.75	6.169	43	0.7113	0.0007
L30	80.75 - 80.5	5.802	43	0.6902	0.0006
L31	80.5 - 80.25	5.766	43	0.6884	0.0006
L32	80.25 - 77.5	5.730	43	0.6865	0.0006
L33	77.5 - 77.25	5.340	43	0.6647	0.0006
L34	77.25 - 68.82	5.306	43	0.6620	0.0006
L35	73.291 - 68.291	4.775	43	0.6190	0.0005
L36	68.291 - 64.25	4.141	43	0.5892	0.0005
L37	64.25 - 64	3.661	43	0.5453	0.0005
L38	64 - 60.5	3.632	43	0.5430	0.0005
L39	60.5 - 60.25	3.246	43	0.5101	0.0004
L40	60.25 - 60.083	3.219	43	0.5079	0.0004
L41	60.083 - 59.833	3.202	43	0.5064	0.0004

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L42	59.833 - 59.083	3.175	43	0.5043	0.0004
L43	59.083 - 58.833	3.097	43	0.4980	0.0004
L44	58.833 - 55.4167	3.071	43	0.4961	0.0004
L45	55.4167 - 55.1667	2.725	43	0.4687	0.0004
L46	55.1667 - 54.75	2.701	43	0.4667	0.0004
L47	54.75 - 54.5	2.660	43	0.4634	0.0004
L48	54.5 - 49.5	2.636	43	0.4610	0.0004
L49	49.5 - 44.5	2.179	43	0.4115	0.0003
L50	44.5 - 41.25	1.775	43	0.3616	0.0003
L51	41.25 - 41	1.540	43	0.3288	0.0002
L52	41 - 34.291	1.522	43	0.3265	0.0002
L53	39 - 33.291	1.389	43	0.3083	0.0002
L54	33.291 - 31.5	1.035	43	0.2820	0.0002
L55	31.5 - 31.25	0.931	43	0.2692	0.0002
L56	31.25 - 30.5	0.917	43	0.2674	0.0002
L57	30.5 - 30.25	0.876	43	0.2620	0.0002
L58	30.25 - 25.75	0.862	43	0.2602	0.0002
L59	25.75 - 25.5	0.633	43	0.2259	0.0002
L60	25.5 - 24.6667	0.621	43	0.2239	0.0002
L61	24.6667 - 24.4167	0.583	43	0.2172	0.0001
L62	24.4167 - 24	0.572	43	0.2150	0.0001
L63	24 - 23.75	0.553	43	0.2112	0.0001
L64	23.75 - 18.75	0.542	43	0.2092	0.0001
L65	18.75 - 14.083	0.344	43	0.1682	0.0001
L66	14.083 - 13.817	0.199	43	0.1300	0.0001
L67	13.817 - 13.667	0.192	43	0.1277	0.0001
L68	13.667 - 10.5	0.188	43	0.1265	0.0001
L69	10.5 - 10.25	0.112	43	0.0998	0.0001
L70	10.25 - 5.25	0.107	43	0.0976	0.0001
L71	5.25 - 2.9	0.029	43	0.0526	0.0000
L72	2.9 - 2.65	0.009	43	0.0284	0.0000
L73	2.65 - 2.5	0.007	43	0.0258	0.0000
L74	2.5 - 2.25	0.006	43	0.0243	0.0000
L75	2.25 - 1.917	0.005	43	0.0221	0.0000
L76	1.917 - 1.667	0.004	43	0.0191	0.0000
L77	1.667 - 0	0.003	43	0.0166	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
156.00	SBNH-1D6565C w/ Mount Pipe	43	22.762	1.4234	0.0058	37363
146.00	5' x 2" Pipe Mount	43	19.819	1.3769	0.0037	8900
139.00	APXV18-206517S-C	43	17.836	1.3239	0.0029	6082
132.00	BXA-80080-6CF-EDIN-X w/ Mount Pipe	43	15.949	1.2467	0.0022	4434
114.00	MX08FRO665-21 w/ Mount Pipe	43	11.751	1.0006	0.0013	6449
101.00	58532A	43	9.165	0.9006	0.0010	6027

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160.333 - 155.333	111.325	10	6.5872	0.0262
L2	155.333 - 150.333	104.453	10	6.5839	0.0255
L3	150.333 -	97.616	10	6.5067	0.0204

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L4	146.833 - 146.333	92.903	10	6.3915	0.0168
L5	146.333 - 141.333	92.237	10	6.3836	0.0166
L6	141.333 - 136.333	85.648	10	6.2314	0.0140
L7	136.333 - 131.333	79.253	10	6.0135	0.0118
L8	131.333 - 126.333	73.114	10	5.7390	0.0098
L9	126.333 - 121.333	67.291	10	5.4027	0.0080
L10	121.333 - 120.083	61.847	10	5.0114	0.0066
L11	120.083 - 119.833	60.551	10	4.9077	0.0064
L12	119.833 - 117.5	60.295	10	4.8965	0.0063
L13	117.5 - 117.25	57.933	10	4.7891	0.0061
L14	117.25 - 115.5	57.683	10	4.7777	0.0060
L15	115.5 - 115.25	55.950	10	4.6974	0.0058
L16	115.25 - 110.25	55.705	10	4.6883	0.0058
L17	110.25 - 104.083	50.904	10	4.4950	0.0054
L18	107.82 - 102.82	48.646	10	4.3936	0.0051
L19	102.82 - 100.5	44.111	10	4.2595	0.0048
L20	100.5 - 100.25	42.070	10	4.1560	0.0046
L21	100.25 - 98.5	41.853	10	4.1440	0.0046
L22	98.5 - 98.25	40.352	10	4.0583	0.0044
L23	98.25 - 93.25	40.140	10	4.0465	0.0044
L24	93.25 - 90.5	36.036	10	3.8004	0.0039
L25	90.5 - 90.25	33.891	10	3.6592	0.0037
L26	90.25 - 85.25	33.700	10	3.6472	0.0036
L27	85.25 - 83.5	30.014	10	3.3993	0.0032
L28	83.5 - 83.25	28.785	10	3.3112	0.0031
L29	83.25 - 80.75	28.612	10	3.3017	0.0031
L30	80.75 - 80.5	26.911	10	3.2036	0.0029
L31	80.5 - 80.25	26.743	10	3.1952	0.0029
L32	80.25 - 77.5	26.576	10	3.1862	0.0029
L33	77.5 - 77.25	24.772	10	3.0853	0.0028
L34	77.25 - 68.82	24.611	10	3.0727	0.0028
L35	73.291 - 68.291	22.148	10	2.8728	0.0025
L36	68.291 - 64.25	19.207	10	2.7345	0.0023
L37	64.25 - 64	16.980	10	2.5307	0.0021
L38	64 - 60.5	16.848	10	2.5200	0.0021
L39	60.5 - 60.25	15.058	10	2.3672	0.0019
L40	60.25 - 60.083	14.934	10	2.3570	0.0019
L41	60.083 - 59.833	14.852	10	2.3502	0.0019
L42	59.833 - 59.083	14.729	10	2.3405	0.0019
L43	59.083 - 58.833	14.364	10	2.3114	0.0018
L44	58.833 - 55.4167	14.243	10	2.3024	0.0018
L45	55.4167 - 55.1667	12.642	10	2.1753	0.0017
L46	55.1667 - 54.75	12.528	10	2.1661	0.0017
L47	54.75 - 54.5	12.340	10	2.1506	0.0017
L48	54.5 - 49.5	12.228	10	2.1393	0.0016
L49	49.5 - 44.5	10.108	10	1.9096	0.0014
L50	44.5 - 41.25	8.231	10	1.6776	0.0012
L51	41.25 - 41	7.141	10	1.5254	0.0011
L52	41 - 34.291	7.061	10	1.5149	0.0011
L53	39 - 33.291	6.445	10	1.4304	0.0010
L54	33.291 - 31.5	4.800	10	1.3084	0.0009
L55	31.5 - 31.25	4.320	10	1.2489	0.0009
L56	31.25 - 30.5	4.255	10	1.2406	0.0008
L57	30.5 - 30.25	4.062	10	1.2156	0.0008
L58	30.25 - 25.75	3.999	10	1.2069	0.0008
L59	25.75 - 25.5	2.937	10	1.0478	0.0007
L60	25.5 - 24.6667	2.882	10	1.0384	0.0007
L61	24.6667 - 24.4167	2.703	10	1.0074	0.0007

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L62	24.4167 - 24	2.651	10	0.9971	0.0007
L63	24 - 23.75	2.565	10	0.9798	0.0007
L64	23.75 - 18.75	2.514	10	0.9704	0.0006
L65	18.75 - 14.083	1.597	10	0.7803	0.0005
L66	14.083 - 13.817	0.921	10	0.6027	0.0004
L67	13.817 - 13.667	0.888	10	0.5924	0.0004
L68	13.667 - 10.5	0.870	10	0.5866	0.0004
L69	10.5 - 10.25	0.521	10	0.4630	0.0003
L70	10.25 - 5.25	0.498	10	0.4528	0.0003
L71	5.25 - 2.9	0.133	10	0.2441	0.0002
L72	2.9 - 2.65	0.040	10	0.1316	0.0001
L73	2.65 - 2.5	0.034	10	0.1197	0.0001
L74	2.5 - 2.25	0.030	10	0.1126	0.0001
L75	2.25 - 1.917	0.024	10	0.1023	0.0001
L76	1.917 - 1.667	0.018	10	0.0886	0.0001
L77	1.667 - 0	0.013	10	0.0771	0.0000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
156.00	SBNH-1D6565C w/ Mount Pipe	10	105.369	6.5862	0.0260	8840
146.00	5' x 2" Pipe Mount	10	91.794	6.3780	0.0164	2006
139.00	APXV18-206517S-C	10	82.636	6.1353	0.0129	1356
132.00	BXA-80080-6CF-EDIN-X w/ Mount Pipe	10	73.916	5.7797	0.0101	983
114.00	MX08FRO665-21 w/ Mount Pipe	10	54.486	4.6433	0.0058	1413
101.00	58532A	10	42.506	4.1801	0.0047	1315

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L1	160.333 - 155.333 (1)	TP16x16x0.375	5.00	0.00	0.0	18.407 8	-4.23	579.85	0.007
L2	155.333 - 150.333 (2)	TP16x16x0.375	5.00	0.00	0.0	18.407 8	-4.66	579.85	0.008
L3	150.333 - 146.833 (3)	TP16x16x0.375	3.50	0.00	0.0	18.407 8	-4.98	579.85	0.009
L4	146.833 - 146.333 (4)	TP22x22x0.375	0.50	0.00	0.0	25.476 4	-5.04	802.51	0.006
L5	146.333 - 141.333 (5)	TP22.924x22x0.25	5.00	0.00	0.0	18.252 6	-9.97	985.64	0.010
L6	141.333 - 136.333 (6)	TP23.848x22.924x0.25	5.00	0.00	0.0	18.996 4	-10.78	1025.81	0.011
L7	136.333 - 131.333 (7)	TP24.7721x23.848x0.25	5.00	0.00	0.0	19.740 3	-15.45	1065.97	0.014
L8	131.333 - 126.333 (8)	TP25.6961x24.7721x0.25	5.00	0.00	0.0	20.484 1	-16.28	1106.14	0.015
L9	126.333 - 121.333 (9)	TP26.6201x25.6961x0.25	5.00	0.00	0.0	21.227 9	-17.15	1146.31	0.015
L10	121.333 - 120.083 (10)	TP26.8511x26.6201x0.25	1.25	0.00	0.0	21.413 9	-17.37	1156.35	0.015
L11	120.083 - 119.833 (11)	TP26.8973x26.8511x0.48 75	0.25	0.00	0.0	41.456 8	-17.45	2238.67	0.008
L12	119.833 -	TP27.3285x26.8973x0.48	2.33	0.00	0.0	42.133	-18.00	2275.22	0.008

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio P _u / φP _n
L13	117.5 (12)	75				6			
	117.5 - 117.25 (13)	TP27.3747x27.3285x0.5	0.25	0.00	0.0	43.268	-18.08	2336.48	0.008
L14	117.25 (13)	TP27.6981x27.3747x0.5	1.75	0.00	0.0	43.788	-18.52	2364.60	0.008
	115.5 (14)					9			
L15	115.5 - 115.25 (15)	TP27.7443x27.6981x0.66	0.25	0.00	0.0	57.772	-18.61	3119.70	0.006
L16	115.25 (15)	TP28.6683x27.7443x0.65	5.00	0.00	0.0	58.642	-23.06	3166.69	0.007
	110.25 (16)					3			
L17	110.25 - 104.083 (17)	TP29.808x28.6683x0.637	6.17	0.00	0.0	58.462	-23.80	3156.95	0.008
L18	104.083 (17)	TP29.5407x28.6174x0.7	5.00	0.00	0.0	65.006	-26.26	3510.37	0.007
	102.82 (18)					9			
L19	102.82 - 100.5 (19)	TP29.9691x29.5407x0.68	2.32	0.00	0.0	64.822	-27.12	3500.39	0.008
L20	100.5 (19)	TP30.0152x29.9691x0.63	0.25	0.00	0.0	60.305	-27.21	3256.48	0.008
	100.25 (20)					1			
L21	100.25 - 98.5 (21)	TP30.3384x30.0152x0.62	1.75	0.00	0.0	59.798	-27.77	3229.10	0.009
L22	98.5 - 98.25 (22)	TP30.3846x30.3384x0.66	0.25	0.00	0.0	63.404	-27.88	3423.85	0.008
	98.25 - 93.25 (23)	TP31.3078x30.3846x0.65	5.00	0.00	0.0	64.166	-29.61	3465.01	0.009
L24	93.25 - 90.5 (24)	TP31.8156x31.3078x0.63	2.75	0.00	0.0	64.000	-30.58	3456.05	0.009
L25	90.5 - 90.25 (25)	TP31.8618x31.8156x0.68	0.25	0.00	0.0	69.012	-30.69	3726.65	0.008
L26	90.25 - 85.25 (26)	TP32.7851x31.8618x0.67	5.00	0.00	0.0	69.791	-32.65	3768.73	0.009
L27	85.25 - 83.5 (27)	TP33.1082x32.7851x0.66	1.75	0.00	0.0	69.214	-33.33	3737.60	0.009
L28	83.5 - 83.25 (28)	TP33.1544x33.1082x0.91	0.25	0.00	0.0	94.734	-33.47	5115.68	0.007
L29	83.25 - 80.75 (29)	TP33.616x33.1544x0.887	2.50	0.00	0.0	93.530	-34.63	5050.62	0.007
L30	80.75 - 80.5 (30)	TP33.6622x33.616x1.062	0.25	0.00	0.0	111.53	-34.77	6022.71	0.006
L31	80.5 - 80.25 (31)	TP33.7084x33.6622x0.97	0.25	0.00	0.0	102.76	-34.89	5549.39	0.006
L32	80.25 - 77.5 (32)	TP34.2162x33.7084x0.96	2.75	0.00	0.0	103.06	-36.21	5565.32	0.007
L33	77.5 - 77.25 (33)	TP34.2623x34.2162x0.68	0.25	0.00	0.0	74.326	-36.33	4013.62	0.009
L34	77.25 - 68.82 (34)	TP35.819x34.2623x0.687	8.43	0.00	0.0	75.944	-38.05	4101.01	0.009
L35	68.82 - 68.291 (35)	TP35.2914x34.3684x0.75	5.00	0.00	0.0	83.417	-41.91	4504.55	0.009
L36	68.291 - 64.25 (36)	TP36.0374x35.2914x0.73	4.04	0.00	0.0	83.828	-43.82	4526.74	0.010
L37	64.25 - 64 (37)	TP36.0836x36.0374x0.87	0.25	0.00	0.0	99.200	-43.96	5356.81	0.008
L38	64 - 60.5 (38)	TP36.7297x36.0836x0.86	3.50	0.00	0.0	99.612	-45.73	5379.06	0.009
L39	60.5 - 60.25 (39)	TP36.7758x36.7297x0.92	0.25	0.00	0.0	106.78	-45.87	5766.21	0.008
L40	60.25 - 60.083 (40)	TP36.8067x36.7758x0.92	0.17	0.00	0.0	106.87	-45.96	5771.17	0.008
L41	60.083 - 59.833 (41)	TP36.8528x36.8067x0.97	0.25	0.00	0.0	112.63	-46.10	6082.47	0.008
L42	59.833 - 59.083 (42)	TP36.9913x36.8528x0.97	0.75	0.00	0.0	113.07	-46.51	6105.95	0.008
L43	59.083 - 58.833 (43)	TP37.0374x36.9913x1.05	0.25	0.00	0.0	121.67	-46.66	6570.37	0.007
L44	58.833 - 55.4167 (44)	TP37.6681x37.0374x1.02	3.42	0.00	0.0	120.94	-48.65	6530.79	0.007
L45	55.4167 - 55.1667 (45)	TP37.7142x37.6681x1.02	0.25	0.00	0.0	121.09	-48.81	6539.01	0.007
L46	55.1667 - 54.75 (46)	TP37.7912x37.7142x1.02	0.42	0.00	0.0	121.34	-49.06	6552.72	0.007

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio P _u / φP _n
L47	54.75 - 54.5 (47)	TP37.8373x37.7912x0.82 5	0.25	0.00	0.0	98.323 2	-49.19	5309.45	0.009
L48	54.5 - 49.5 (48)	TP38.7603x37.8373x0.81 25	5.00	0.00	0.0	99.281 0	-51.80	5361.18	0.010
L49	49.5 - 44.5 (49)	TP39.6834x38.7603x0.8	5.00	0.00	0.0	100.16 40	-54.45	5408.83	0.010
L50	44.5 - 41.25 (50)	TP40.2833x39.6834x0.78 75	3.25	0.00	0.0	100.15 20	-56.19	5408.18	0.010
L51	41.25 - 41 (51)	TP40.3295x40.2833x0.87 5	0.25	0.00	0.0	111.16 30	-56.35	6002.80	0.009
L52	41 - 34.291 (52)	TP41.568x40.3295x0.875	6.71	0.00	0.0	112.20 30	-57.50	6058.98	0.009
L53	34.291 - 33.291 (53)	TP40.9955x39.9487x1.17 5	5.71	0.00	0.0	150.66 10	-63.56	8813.67	0.007
L54	33.291 - 31.5 (54)	TP41.3239x40.9955x1.17 5	1.79	0.00	0.0	151.90 40	-64.77	8886.36	0.007
L55	31.5 - 31.25 (55)	TP41.3698x41.3239x1.17 5	0.25	0.00	0.0	152.07 70	-64.96	8896.50	0.007
L56	31.25 - 30.5 (56)	TP41.5073x41.3698x1.17 5	0.75	0.00	0.0	152.59 70	-65.47	8926.94	0.007
L57	30.5 - 30.25 (57)	TP41.5532x41.5073x1.12 5	0.25	0.00	0.0	146.45 10	-65.64	8567.38	0.008
L58	30.25 - 25.75 (58)	TP42.3783x41.5532x1.1	4.50	0.00	0.0	146.20 80	-68.66	8553.15	0.008
L59	25.75 - 25.5 (59)	TP42.4241x42.3783x1.02 5	0.25	0.00	0.0	136.63 80	-68.84	7993.32	0.009
L60	25.5 - 24.6667 (60)	TP42.5769x42.4241x1.02 5	0.83	0.00	0.0	137.14 20	-69.38	8022.82	0.009
L61	24.6667 - 24.4167 (61)	TP42.6228x42.5769x0.92 5	0.25	0.00	0.0	124.19 70	-69.53	7265.52	0.010
L62	24.4167 - 24 (62)	TP42.6992x42.6228x0.91 25	0.42	0.00	0.0	122.78 00	-69.77	7182.62	0.010
L63	24 - 23.75 (63)	TP42.745x42.6992x1.025	0.25	0.00	0.0	137.69 70	-69.92	8055.27	0.009
L64	23.75 - 18.75 (64)	TP43.6619x42.745x1	5.00	0.00	0.0	137.37 10	-72.92	8036.22	0.009
L65	18.75 - 14.083 (65)	TP44.5176x43.6619x0.98 75	4.67	0.00	0.0	138.41 50	-75.76	8097.28	0.009
L66	14.083 - 13.817 (66)	TP44.5664x44.5176x0.96 25	0.27	0.00	0.0	135.13 90	-75.94	7905.66	0.010
L67	13.817 - 13.667 (67)	TP44.5939x44.5664x0.96 25	0.15	0.00	0.0	135.22 50	-76.04	7910.65	0.010
L68	13.667 - 10.5 (68)	TP45.1746x44.5939x0.95	3.17	0.00	0.0	135.28 30	-78.00	7914.07	0.010
L69	10.5 - 10.25 (69)	TP45.2205x45.1746x0.9	0.25	0.00	0.0	128.44 10	-78.17	7513.79	0.010
L70	10.25 - 5.25 (70)	TP46.1373x45.2205x0.87 5	5.00	0.00	0.0	127.52 70	-81.19	7460.31	0.011
L71	5.25 - 2.9 (71)	TP46.5682x46.1373x0.75	2.35	0.00	0.0	110.65 10	-82.39	6473.09	0.013
L72	2.9 - 2.65 (72)	TP46.6141x46.5682x0.75	0.25	0.00	0.0	110.76 20	-82.53	6479.56	0.013
L73	2.65 - 2.5 (73)	TP46.6416x46.6141x0.75	0.15	0.00	0.0	110.82 80	-82.61	6483.45	0.013
L74	2.5 - 2.25 (74)	TP46.6874x46.6416x0.87 5	0.25	0.00	0.0	129.07 70	-82.75	7550.98	0.011
L75	2.25 - 1.917 (75)	TP46.7485x46.6874x0.87 5	0.33	0.00	0.0	129.24 90	-82.93	7561.04	0.011
L76	1.917 - 1.667 (76)	TP46.7943x46.7485x0.77 5	0.25	0.00	0.0	114.84 10	-83.05	6718.21	0.012
L77	1.667 - 0 (77)	TP47.1x46.7943x0.7625	1.67	0.00	0.0	113.77 00	-83.88	6655.55	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	160.333 - 155.333 (1)	TP16x16x0.375	11.06	240.37	0.046	0.00	240.37	0.000
L2	155.333 - 150.333 (2)	TP16x16x0.375	50.45	240.37	0.210	0.00	240.37	0.000
L3	150.333 - 146.833 (3)	TP16x16x0.375	79.93	240.37	0.333	0.00	240.37	0.000
L4	146.833 - 146.333 (4)	TP22x22x0.375	84.27	460.38	0.183	0.00	460.38	0.000
L5	146.333 - 141.333 (5)	TP22.924x22x0.25	157.52	561.22	0.281	0.00	561.22	0.000
L6	141.333 - 136.333 (6)	TP23.848x22.924x0.25	235.00	600.30	0.391	0.00	600.30	0.000
L7	136.333 - 131.333 (7)	TP24.7721x23.848x0.25	325.06	640.00	0.508	0.00	640.00	0.000
L8	131.333 - 126.333 (8)	TP25.6961x24.7721x0.25	437.51	680.25	0.643	0.00	680.25	0.000
L9	126.333 - 121.333 (9)	TP26.6201x25.6961x0.25	554.15	720.98	0.769	0.00	720.98	0.000
L10	121.333 - 120.083 (10)	TP26.8511x26.6201x0.25	583.97	731.23	0.799	0.00	731.23	0.000
L11	120.083 - 119.833 (11)	TP26.8973x26.8511x0.4875	589.97	1501.96	0.393	0.00	1501.96	0.000
L12	119.833 - 117.5 (12)	TP27.3285x26.8973x0.4875	646.37	1551.85	0.417	0.00	1551.85	0.000
L13	117.5 - 117.25 (13)	TP27.3747x27.3285x0.5	652.46	1594.94	0.409	0.00	1594.94	0.000
L14	117.25 - 115.5 (14)	TP27.6981x27.3747x0.5	695.37	1633.92	0.426	0.00	1633.92	0.000
L15	115.5 - 115.25 (15)	TP27.7443x27.6981x0.6625	701.54	2133.73	0.329	0.00	2133.73	0.000
L16	115.25 - 110.25 (16)	TP28.6683x27.7443x0.65	840.59	2243.53	0.375	0.00	2243.53	0.000
L17	110.25 - 104.083 (17)	TP29.808x28.6683x0.6375	911.79	2275.29	0.401	0.00	2275.29	0.000
L18	104.083 - 102.82 (18)	TP29.5407x28.6174x0.7	1061.48	2557.34	0.415	0.00	2557.34	0.000
L19	102.82 - 100.5 (19)	TP29.9691x29.5407x0.6875	1132.41	2591.06	0.437	0.00	2591.06	0.000
L20	100.5 - 100.25 (20)	TP30.0152x29.9691x0.6375	1140.12	2422.64	0.471	0.00	2422.64	0.000
L21	100.25 - 98.5 (21)	TP30.3384x30.0152x0.625	1194.34	2431.30	0.491	0.00	2431.30	0.000
L22	98.5 - 98.25 (22)	TP30.3846x30.3384x0.6625	1202.13	2575.52	0.467	0.00	2575.52	0.000
L23	98.25 - 93.25 (23)	TP31.3078x30.3846x0.65	1359.78	2691.41	0.505	0.00	2691.41	0.000
L24	93.25 - 90.5 (24)	TP31.8156x31.3078x0.6375	1448.07	2732.03	0.530	0.00	2732.03	0.000
L25	90.5 - 90.25 (25)	TP31.8618x31.8156x0.6875	1456.15	2940.95	0.495	0.00	2940.95	0.000
L26	90.25 - 85.25 (26)	TP32.7851x31.8618x0.675	1619.73	3066.53	0.528	0.00	3066.53	0.000
L27	85.25 - 83.5 (27)	TP33.1082x32.7851x0.6625	1677.94	3074.81	0.546	0.00	3074.81	0.000
L28	83.5 - 83.25 (28)	TP33.1544x33.1082x0.9125	1686.31	4150.01	0.406	0.00	4150.01	0.000
L29	83.25 - 80.75 (29)	TP33.616x33.1544x0.8875	1770.54	4163.87	0.425	0.00	4163.87	0.000
L30	80.75 - 80.5 (30)	TP33.6622x33.616x1.0625	1779.02	4919.52	0.362	0.00	4919.52	0.000
L31	80.5 - 80.25 (31)	TP33.7084x33.6622x0.975	1787.51	4563.88	0.392	0.00	4563.88	0.000
L32	80.25 - 77.5 (32)	TP34.2162x33.7084x0.9625	1882.23	4653.54	0.404	0.00	4653.54	0.000
L33	77.5 - 77.25 (33)	TP34.2623x34.2162x0.6875	1891.02	3416.59	0.553	0.00	3416.59	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 $\frac{M_{uy}}{\phi M_{ny}}$
L34	77.25 - 68.82 (34)	TP35.819x34.2623x0.687 5	2031.76	3568.52	0.569	0.00	3568.52	0.000
L35	68.82 - 68.291 (35)	TP35.2914x34.3684x0.75	2214.38	3940.11	0.562	0.00	3940.11	0.000
L36	68.291 - 64.25 (36)	TP36.0374x35.2914x0.73 75	2365.82	4049.72	0.584	0.00	4049.72	0.000
L37	64.25 - 64 (37)	TP36.0836x36.0374x0.87 5	2375.29	4761.44	0.499	0.00	4761.44	0.000
L38	64 - 60.5 (38)	TP36.7297x36.0836x0.86 25	2508.90	4874.48	0.515	0.00	4874.48	0.000
L39	60.5 - 60.25 (39)	TP36.7758x36.7297x0.92 5	2518.52	5214.02	0.483	0.00	5214.02	0.000
L40	60.25 - 60.083 (40)	TP36.8067x36.7758x0.92 5	2524.95	5223.10	0.483	0.00	5223.10	0.000
L41	60.083 - 59.833 (41)	TP36.8528x36.8067x0.97 5	2534.58	5496.77	0.461	0.00	5496.77	0.000
L42	59.833 - 59.083 (42)	TP36.9913x36.8528x0.97 5	2563.53	5539.83	0.463	0.00	5539.83	0.000
L43	59.083 - 58.833 (43)	TP37.0374x36.9913x1.05	2573.21	5944.23	0.433	0.00	5944.23	0.000
L44	58.833 - 55.4167 (44)	TP37.6681x37.0374x1.02 5	2706.28	6023.12	0.449	0.00	6023.12	0.000
L45	55.4167 - 55.1667 (45)	TP37.7142x37.6681x1.02 5	2716.09	6038.51	0.450	0.00	6038.51	0.000
L46	55.1667 - 54.75 (46)	TP37.7912x37.7142x1.02 5	2732.46	6064.20	0.451	0.00	6064.20	0.000
L47	54.75 - 54.5 (47)	TP37.8373x37.7912x0.82 5	2742.28	4973.56	0.551	0.00	4973.56	0.000
L48	54.5 - 49.5 (48)	TP38.7603x37.8373x0.81 25	2940.67	5153.38	0.571	0.00	5153.38	0.000
L49	49.5 - 44.5 (49)	TP39.6834x38.7603x0.8	3142.38	5331.73	0.589	0.00	5331.73	0.000
L50	44.5 - 41.25 (50)	TP40.2833x39.6834x0.78 75	3275.28	5418.44	0.604	0.00	5418.44	0.000
L51	41.25 - 41 (51)	TP40.3295x40.2833x0.87 5	3285.57	5994.73	0.548	0.00	5994.73	0.000
L52	41 - 34.291 (52)	TP41.568x40.3295x0.875	3368.13	6108.68	0.551	0.00	6108.68	0.000
L53	34.291 - 33.291 (53)	TP40.9955x39.9487x1.17 5	3607.43	8820.25	0.409	0.00	8820.25	0.000
L54	33.291 - 31.5 (54)	TP41.3239x40.9955x1.17 5	3683.55	8968.42	0.411	0.00	8968.42	0.000
L55	31.5 - 31.25 (55)	TP41.3698x41.3239x1.17 5	3694.21	8989.17	0.411	0.00	8989.17	0.000
L56	31.25 - 30.5 (56)	TP41.5073x41.3698x1.17 5	3726.24	9051.67	0.412	0.00	9051.67	0.000
L57	30.5 - 30.25 (57)	TP41.5532x41.5073x1.12 5	3736.93	8718.83	0.429	0.00	8718.83	0.000
L58	30.25 - 25.75 (58)	TP42.3783x41.5532x1.1	3931.37	8897.58	0.442	0.00	8897.58	0.000
L59	25.75 - 25.5 (59)	TP42.4241x42.3783x1.02 5	3942.28	8354.92	0.472	0.00	8354.92	0.000
L60	25.5 - 24.6667 (60)	TP42.5769x42.4241x1.02 5	3978.73	8417.42	0.473	0.00	8417.42	0.000
L61	24.6667 - 24.4167 (61)	TP42.6228x42.5769x0.92 5	3989.69	7668.25	0.520	0.00	7668.25	0.000
L62	24.4167 - 24 (62)	TP42.6992x42.6228x0.91 25	4007.99	7599.49	0.527	0.00	7599.49	0.000
L63	24 - 23.75 (63)	TP42.745x42.6992x1.025	4018.98	8486.50	0.474	0.00	8486.50	0.000
L64	23.75 - 18.75 (64)	TP43.6619x42.745x1	4241.21	8667.08	0.489	0.00	8667.08	0.000
L65	18.75 - 14.083 (65)	TP44.5176x43.6619x0.98 75	4452.52	8917.25	0.499	0.00	8917.25	0.000
L66	14.083 - 13.817 (66)	TP44.5664x44.5176x0.96 25	4464.67	8726.25	0.512	0.00	8726.25	0.000
L67	13.817 - 13.667 (67)	TP44.5939x44.5664x0.96 25	4471.52	8737.33	0.512	0.00	8737.33	0.000
L68	13.667 - 10.5	TP45.1746x44.5939x0.95	4617.14	8865.00	0.521	0.00	8865.00	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 $\frac{M_{uy}}{\phi M_{ny}}$
L69	(68) 10.5 - 10.25	TP45.2205x45.1746x0.9	4628.70	8444.58	0.548	0.00	8444.58	0.000
L70	(69) 10.25 - 5.25	TP46.1373x45.2205x0.87	4861.93	8570.83	0.567	0.00	8570.83	0.000
L71	(70) 5.25 - 2.9	TP46.5682x46.1373x0.75	4972.69	7549.94	0.659	0.00	7549.94	0.000
L72	(71) 2.9 - 2.65	TP46.6141x46.5682x0.75	4984.50	7565.18	0.659	0.00	7565.18	0.000
L73	(72) 2.65 - 2.5	TP46.6416x46.6141x0.75	4991.58	7574.33	0.659	0.00	7574.33	0.000
L74	(73) 2.5 - 2.25	TP46.6874x46.6416x0.87	5003.40	8782.42	0.570	0.00	8782.42	0.000
L75	(74) 2.25 - 1.917	TP46.7485x46.6874x0.87	5019.15	8806.08	0.570	0.00	8806.08	0.000
L76	(75) 1.917 - 1.667	TP46.7943x46.7485x0.77	5030.98	7866.59	0.640	0.00	7866.59	0.000
L77	(76) 1.667 - 0	TP47.1x46.7943x0.7625	5109.98	7850.07	0.651	0.00	7850.07	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	160.333 - 155.333 (1)	TP16x16x0.375	7.54	173.95	0.043	1.11	238.96	0.005
L2	155.333 - 150.333 (2)	TP16x16x0.375	8.19	173.95	0.047	1.21	238.96	0.005
L3	150.333 - 146.833 (3)	TP16x16x0.375	8.64	173.95	0.050	1.29	238.96	0.005
L4	146.833 - 146.333 (4)	TP22x22x0.375	8.72	240.75	0.036	1.30	457.73	0.003
L5	146.333 - 141.333 (5)	TP22.924x22x0.25	14.77	295.69	0.050	1.43	589.75	0.002
L6	141.333 - 136.333 (6)	TP23.848x22.924x0.25	16.16	307.74	0.053	1.56	638.80	0.002
L7	136.333 - 131.333 (7)	TP24.7721x23.848x0.25	22.06	319.79	0.069	0.78	689.80	0.001
L8	131.333 - 126.333 (8)	TP25.6961x24.7721x0.25	22.91	331.84	0.069	0.50	742.77	0.001
L9	126.333 - 121.333 (9)	TP26.6201x25.6961x0.25	23.75	343.89	0.069	0.59	797.69	0.001
L10	121.333 - 120.083 (10)	TP26.8511x26.6201x0.25	23.96	346.90	0.069	0.61	811.73	0.001
L11	120.083 - 119.833 (11)	TP26.8973x26.8511x0.48	23.99	671.60	0.036	0.61	1560.18	0.000
L12	119.833 - 117.5 (12)	TP27.3285x26.8973x0.48	24.34	682.57	0.036	0.61	1611.54	0.000
L13	117.5 - 117.25 (13)	TP27.3747x27.3285x0.5	24.38	700.95	0.035	0.61	1657.02	0.000
L14	117.25 - 115.5 (14)	TP27.6981x27.3747x0.5	24.65	709.38	0.035	0.61	1697.14	0.000
L15	115.5 - 115.25 (15)	TP27.7443x27.6981x0.66	24.68	935.91	0.026	0.61	2229.52	0.000
L16	115.25 - 110.25 (16)	TP28.6683x27.7443x0.65	29.10	950.01	0.031	0.86	2341.36	0.000
L17	110.25 - 104.083 (17)	TP29.808x28.6683x0.637	29.48	947.09	0.031	0.86	2372.62	0.000
L18	104.083 - 102.82 (18)	TP29.5407x28.6174x0.7	30.36	1053.11	0.029	0.86	2671.65	0.000
L19	102.82 - 100.5 (19)	TP29.9691x29.5407x0.68	30.81	1050.12	0.029	1.12	2704.78	0.000
L20	100.5 - 100.25 (20)	TP30.0152x29.9691x0.63	30.84	976.94	0.032	1.12	2524.57	0.000
L21	100.25 - 98.5 (21)	TP30.3384x30.0152x0.62	31.12	968.73	0.032	1.12	2531.95	0.000
L22	98.5 - 98.25 (22)	TP30.3846x30.3384x0.66	31.14	1027.15	0.030	1.12	2685.43	0.000

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 $\frac{T_u}{\phi T_n}$
L23	98.25 - 93.25 (23)	TP31.3078x30.3846x0.65	31.90	1039.50	0.031	1.11	2803.28	0.000
L24	93.25 - 90.5 (24)	TP31.8156x31.3078x0.63 75	32.31	1036.82	0.031	1.11	2843.49	0.000
L25	90.5 - 90.25 (25)	TP31.8618x31.8156x0.68 75	32.33	1118.00	0.029	1.11	3065.75	0.000
L26	90.25 - 85.25 (26)	TP32.7851x31.8618x0.67 5	33.08	1130.62	0.029	1.11	3193.43	0.000
L27	85.25 - 83.5 (27)	TP33.1082x32.7851x0.66 25	33.44	1121.28	0.030	1.13	3200.16	0.000
L28	83.5 - 83.25 (28)	TP33.1544x33.1082x0.91 25	33.47	1534.70	0.022	1.13	4352.56	0.000
L29	83.25 - 80.75 (29)	TP33.616x33.1544x0.887 5	33.89	1515.19	0.022	1.13	4362.07	0.000
L30	80.75 - 80.5 (30)	TP33.6622x33.616x1.062 5	33.92	1806.81	0.019	1.13	5181.16	0.000
L31	80.5 - 80.25 (31)	TP33.7084x33.6622x0.97 5	33.97	1664.82	0.020	1.13	4793.54	0.000
L32	80.25 - 77.5 (32)	TP34.2162x33.7084x0.96 25	35.13	1669.60	0.021	2.05	4883.73	0.000
L33	77.5 - 77.25 (33)	TP34.2623x34.2162x0.68 75	35.17	1204.09	0.029	2.05	3556.07	0.001
L34	77.25 - 68.82 (34)	TP35.819x34.2623x0.687 5	35.96	1230.30	0.029	2.09	3712.63	0.001
L35	68.82 - 68.291 (35)	TP35.2914x34.3684x0.75	37.10	1351.36	0.027	2.15	4105.94	0.001
L36	68.291 - 64.25 (36)	TP36.0374x35.2914x0.73 75	37.89	1358.02	0.028	2.19	4216.77	0.001
L37	64.25 - 64 (37)	TP36.0836x36.0374x0.87 5	37.91	1607.04	0.024	2.19	4977.09	0.000
L38	64 - 60.5 (38)	TP36.7297x36.0836x0.86 25	38.47	1613.72	0.024	2.19	5091.25	0.000
L39	60.5 - 60.25 (39)	TP36.7758x36.7297x0.92 5	38.49	1729.86	0.022	2.19	5455.21	0.000
L40	60.25 - 60.083 (40)	TP36.8067x36.7758x0.92 5	38.52	1731.35	0.022	2.19	5464.59	0.000
L41	60.083 - 59.833 (41)	TP36.8528x36.8067x0.97 5	38.55	1824.74	0.021	2.19	5758.74	0.000
L42	59.833 - 59.083 (42)	TP36.9913x36.8528x0.97 5	38.67	1831.78	0.021	2.19	5803.27	0.000
L43	59.083 - 58.833 (43)	TP37.0374x36.9913x1.05	38.70	1971.11	0.020	2.19	6239.67	0.000
L44	58.833 - 55.4167 (44)	TP37.6681x37.0374x1.02 5	39.23	1959.24	0.020	2.19	6315.08	0.000
L45	55.4167 - 55.1667 (45)	TP37.7142x37.6681x1.02 5	39.25	1961.70	0.020	2.19	6331.00	0.000
L46	55.1667 - 54.75 (46)	TP37.7912x37.7142x1.02 5	39.31	1965.82	0.020	2.19	6357.57	0.000
L47	54.75 - 54.5 (47)	TP37.8373x37.7912x0.82 5	39.35	1592.84	0.025	2.19	5185.82	0.000
L48	54.5 - 49.5 (48)	TP38.7603x37.8373x0.81 25	40.03	1608.35	0.025	2.19	5368.69	0.000
L49	49.5 - 44.5 (49)	TP39.6834x38.7603x0.8	40.69	1622.65	0.025	2.19	5549.94	0.000
L50	44.5 - 41.25 (50)	TP40.2833x39.6834x0.78 75	41.14	1622.46	0.025	2.18	5636.68	0.000
L51	41.25 - 41 (51)	TP40.3295x40.2833x0.87 5	41.16	1800.84	0.023	2.18	6249.87	0.000
L52	41 - 34.291 (52)	TP41.568x40.3295x0.875	41.44	1817.69	0.023	2.18	6367.40	0.000
L53	34.291 - 33.291 (53)	TP40.9955x39.9487x1.17 5	42.40	2644.10	0.016	2.18	9261.58	0.000
L54	33.291 - 31.5 (54)	TP41.3239x40.9955x1.17 5	42.66	2665.91	0.016	2.18	9415.00	0.000
L55	31.5 - 31.25 (55)	TP41.3698x41.3239x1.17 5	42.66	2668.95	0.016	2.18	9436.50	0.000
L56	31.25 - 30.5 (56)	TP41.5073x41.3698x1.17 5	42.78	2678.08	0.016	2.18	9501.17	0.000
L57	30.5 - 30.25	TP41.5532x41.5073x1.12	42.80	2570.21	0.017	2.18	9140.17	0.000

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 $\frac{T_u}{\phi T_n}$
L58	(57) 30.25 - 25.75	5 TP42.3783x41.5532x1.1	43.64	2565.95	0.017	2.23	9316.83	0.000
L59	(58) 25.75 - 25.5	5 TP42.4241x42.3783x1.02	43.67	2397.99	0.018	2.24	8732.50	0.000
L60	(59) 25.5 -	5 TP42.5769x42.4241x1.02	43.84	2406.85	0.018	2.25	8797.08	0.000
L61	(60) 24.6667 -	5 TP42.6228x42.5769x0.92	43.88	2179.66	0.020	2.25	7994.67	0.000
L62	(61) 24.4167 -	5 TP42.6992x42.6228x0.91	43.96	2154.78	0.020	2.26	7920.30	0.000
L63	(62) 24 -	25 TP42.745x42.6992x1.025	44.00	2416.58	0.018	2.26	8868.42	0.000
L64	(63) 23.75 -	18.75 TP43.6619x42.745x1	44.92	2410.87	0.019	2.33	9047.17	0.000
L65	(64) 18.75 -	75 TP44.5176x43.6619x0.98	45.69	2429.18	0.019	2.39	9301.42	0.000
L66	(65) 14.083 -	25 TP44.5664x44.5176x0.96	45.71	2371.70	0.019	2.39	9096.75	0.000
L67	(66) 13.817 -	25 TP44.5939x44.5664x0.96	45.73	2373.19	0.019	2.39	9108.17	0.000
L68	(67) 13.667 -	25 TP45.1746x44.5939x0.95	46.26	2374.22	0.019	2.41	9236.00	0.000
L69	(68) 10.5 -	10.25 TP45.2205x45.1746x0.9	46.28	2254.14	0.021	2.41	8787.92	0.000
L70	(69) 10.25 -	5.25 TP46.1373x45.2205x0.87	47.05	2238.09	0.021	2.41	8910.75	0.000
L71	(70) 5.25 -	2.9 TP46.5682x46.1373x0.75	47.25	1941.93	0.024	2.41	7826.56	0.000
L72	(71) 2.9 -	2.65 TP46.6141x46.5682x0.75	47.23	1943.87	0.024	2.41	7842.22	0.000
L73	(72) 2.65 -	2.5 TP46.6416x46.6141x0.75	47.24	1945.03	0.024	2.41	7851.63	0.000
L74	(73) 2.5 -	2.25 TP46.6874x46.6416x0.87	47.27	2265.29	0.021	2.41	9128.67	0.000
L75	(74) 2.25 -	1.917 TP46.7485x46.6874x0.87	47.30	2268.31	0.021	2.41	9153.00	0.000
L76	(75) 1.917 -	1.667 TP46.7943x46.7485x0.77	47.32	2015.46	0.023	2.41	8158.59	0.000
L77	(76) 1.667 -	0 TP47.1x46.7943x0.7625	47.50	1996.67	0.024	2.41	8138.37	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	160.333 - 155.333 (1)	0.007	0.046	0.000	0.043	0.005	0.056	1.050	4.8.2
L2	155.333 - 150.333 (2)	0.008	0.210	0.000	0.047	0.005	0.221	1.050	4.8.2
L3	150.333 - 146.833 (3)	0.009	0.333	0.000	0.050	0.005	0.344	1.050	4.8.2
L4	146.833 - 146.333 (4)	0.006	0.183	0.000	0.036	0.003	0.191	1.050	4.8.2
L5	146.333 - 141.333 (5)	0.010	0.281	0.000	0.050	0.002	0.294	1.050	4.8.2
L6	141.333 - 136.333 (6)	0.011	0.391	0.000	0.053	0.002	0.405	1.050	4.8.2
L7	136.333 - 131.333 (7)	0.014	0.508	0.000	0.069	0.001	0.527	1.050	4.8.2
L8	131.333 - 126.333 (8)	0.015	0.643	0.000	0.069	0.001	0.663	1.050	4.8.2
L9	126.333 - 121.333 (9)	0.015	0.769	0.000	0.069	0.001	0.788	1.050	4.8.2
L10	121.333 - 120.083 (10)	0.015	0.799	0.000	0.069	0.001	0.819	1.050	4.8.2
L11	120.083 - 119.833 (11)	0.008	0.393	0.000	0.036	0.000	0.402	1.050	4.8.2

Section No.	Elevation ft	Ratio	Ratio	Ratio	Ratio	Ratio	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
		P_u	M_{ux}	M_{uy}	V_u	T_u			
		ϕP_n	ϕM_{nx}	ϕM_{ny}	ϕV_n	ϕT_n			
L12	119.833 - 117.5 (12)	0.008	0.417	0.000	0.036	0.000	0.426	1.050	4.8.2
L13	117.5 - 117.25 (13)	0.008	0.409	0.000	0.035	0.000	0.418	1.050	4.8.2
L14	117.25 - 115.5 (14)	0.008	0.426	0.000	0.035	0.000	0.435	1.050	4.8.2
L15	115.5 - 115.25 (15)	0.006	0.329	0.000	0.026	0.000	0.335	1.050	4.8.2
L16	115.25 - 110.25 (16)	0.007	0.375	0.000	0.031	0.000	0.383	1.050	4.8.2
L17	110.25 - 104.083 (17)	0.008	0.401	0.000	0.031	0.000	0.409	1.050	4.8.2
L18	104.083 - 102.82 (18)	0.007	0.415	0.000	0.029	0.000	0.423	1.050	4.8.2
L19	102.82 - 100.5 (19)	0.008	0.437	0.000	0.029	0.000	0.446	1.050	4.8.2
L20	100.5 - 100.25 (20)	0.008	0.471	0.000	0.032	0.000	0.480	1.050	4.8.2
L21	100.25 - 98.5 (21)	0.009	0.491	0.000	0.032	0.000	0.501	1.050	4.8.2
L22	98.5 - 98.25 (22)	0.008	0.467	0.000	0.030	0.000	0.476	1.050	4.8.2
L23	98.25 - 93.25 (23)	0.009	0.505	0.000	0.031	0.000	0.515	1.050	4.8.2
L24	93.25 - 90.5 (24)	0.009	0.530	0.000	0.031	0.000	0.540	1.050	4.8.2
L25	90.5 - 90.25 (25)	0.008	0.495	0.000	0.029	0.000	0.504	1.050	4.8.2
L26	90.25 - 85.25 (26)	0.009	0.528	0.000	0.029	0.000	0.538	1.050	4.8.2
L27	85.25 - 83.5 (27)	0.009	0.546	0.000	0.030	0.000	0.556	1.050	4.8.2
L28	83.5 - 83.25 (28)	0.007	0.406	0.000	0.022	0.000	0.413	1.050	4.8.2
L29	83.25 - 80.75 (29)	0.007	0.425	0.000	0.022	0.000	0.433	1.050	4.8.2
L30	80.75 - 80.5 (30)	0.006	0.362	0.000	0.019	0.000	0.368	1.050	4.8.2
L31	80.5 - 80.25 (31)	0.006	0.392	0.000	0.020	0.000	0.398	1.050	4.8.2
L32	80.25 - 77.5 (32)	0.007	0.404	0.000	0.021	0.000	0.411	1.050	4.8.2
L33	77.5 - 77.25 (33)	0.009	0.553	0.000	0.029	0.001	0.563	1.050	4.8.2
L34	77.25 - 68.82 (34)	0.009	0.569	0.000	0.029	0.001	0.580	1.050	4.8.2
L35	68.82 - 68.291 (35)	0.009	0.562	0.000	0.027	0.001	0.572	1.050	4.8.2
L36	68.291 - 64.25 (36)	0.010	0.584	0.000	0.028	0.001	0.595	1.050	4.8.2
L37	64.25 - 64 (37)	0.008	0.499	0.000	0.024	0.000	0.508	1.050	4.8.2
L38	64 - 60.5 (38)	0.009	0.515	0.000	0.024	0.000	0.524	1.050	4.8.2
L39	60.5 - 60.25 (39)	0.008	0.483	0.000	0.022	0.000	0.491	1.050	4.8.2
L40	60.25 - 60.083 (40)	0.008	0.483	0.000	0.022	0.000	0.492	1.050	4.8.2
L41	60.083 - 59.833 (41)	0.008	0.461	0.000	0.021	0.000	0.469	1.050	4.8.2
L42	59.833 - 59.083 (42)	0.008	0.463	0.000	0.021	0.000	0.471	1.050	4.8.2
L43	59.083 - 58.833 (43)	0.007	0.433	0.000	0.020	0.000	0.440	1.050	4.8.2
L44	58.833 - 55.4167 (44)	0.007	0.449	0.000	0.020	0.000	0.457	1.050	4.8.2
L45	55.4167 - 55.1667 (45)	0.007	0.450	0.000	0.020	0.000	0.458	1.050	4.8.2
L46	55.1667 - 54.75 (46)	0.007	0.451	0.000	0.020	0.000	0.458	1.050	4.8.2

Section No.	Elevation ft	Ratio	Ratio	Ratio	Ratio	Ratio	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
		P_u	M_{ux}	M_{uy}	V_u	T_u			
		ϕP_n	ϕM_{nx}	ϕM_{ny}	ϕV_n	ϕT_n			
L47	54.75 - 54.5 (47)	0.009	0.551	0.000	0.025	0.000	0.561	1.050	4.8.2
L48	54.5 - 49.5 (48)	0.010	0.571	0.000	0.025	0.000	0.581	1.050	4.8.2
L49	49.5 - 44.5 (49)	0.010	0.589	0.000	0.025	0.000	0.600	1.050	4.8.2
L50	44.5 - 41.25 (50)	0.010	0.604	0.000	0.025	0.000	0.616	1.050	4.8.2
L51	41.25 - 41 (51)	0.009	0.548	0.000	0.023	0.000	0.558	1.050	4.8.2
L52	41 - 34.291 (52)	0.009	0.551	0.000	0.023	0.000	0.561	1.050	4.8.2
L53	34.291 - 33.291 (53)	0.007	0.409	0.000	0.016	0.000	0.416	1.050	4.8.2
L54	33.291 - 31.5 (54)	0.007	0.411	0.000	0.016	0.000	0.418	1.050	4.8.2
L55	31.5 - 31.25 (55)	0.007	0.411	0.000	0.016	0.000	0.419	1.050	4.8.2
L56	31.25 - 30.5 (56)	0.007	0.412	0.000	0.016	0.000	0.419	1.050	4.8.2
L57	30.5 - 30.25 (57)	0.008	0.429	0.000	0.017	0.000	0.437	1.050	4.8.2
L58	30.25 - 25.75 (58)	0.008	0.442	0.000	0.017	0.000	0.450	1.050	4.8.2
L59	25.75 - 25.5 (59)	0.009	0.472	0.000	0.018	0.000	0.481	1.050	4.8.2
L60	25.5 - 24.6667 (60)	0.009	0.473	0.000	0.018	0.000	0.482	1.050	4.8.2
L61	24.6667 - 24.4167 (61)	0.010	0.520	0.000	0.020	0.000	0.530	1.050	4.8.2
L62	24.4167 - 24 (62)	0.010	0.527	0.000	0.020	0.000	0.538	1.050	4.8.2
L63	24 - 23.75 (63)	0.009	0.474	0.000	0.018	0.000	0.483	1.050	4.8.2
L64	23.75 - 18.75 (64)	0.009	0.489	0.000	0.019	0.000	0.499	1.050	4.8.2
L65	18.75 - 14.083 (65)	0.009	0.499	0.000	0.019	0.000	0.509	1.050	4.8.2
L66	14.083 - 13.817 (66)	0.010	0.512	0.000	0.019	0.000	0.522	1.050	4.8.2
L67	13.817 - 13.667 (67)	0.010	0.512	0.000	0.019	0.000	0.522	1.050	4.8.2
L68	13.667 - 10.5 (68)	0.010	0.521	0.000	0.019	0.000	0.531	1.050	4.8.2
L69	10.5 - 10.25 (69)	0.010	0.548	0.000	0.021	0.000	0.559	1.050	4.8.2
L70	10.25 - 5.25 (70)	0.011	0.567	0.000	0.021	0.000	0.579	1.050	4.8.2
L71	5.25 - 2.9 (71)	0.013	0.659	0.000	0.024	0.000	0.672	1.050	4.8.2
L72	2.9 - 2.65 (72)	0.013	0.659	0.000	0.024	0.000	0.672	1.050	4.8.2
L73	2.65 - 2.5 (73)	0.013	0.659	0.000	0.024	0.000	0.672	1.050	4.8.2
L74	2.5 - 2.25 (74)	0.011	0.570	0.000	0.021	0.000	0.581	1.050	4.8.2
L75	2.25 - 1.917 (75)	0.011	0.570	0.000	0.021	0.000	0.581	1.050	4.8.2
L76	1.917 - 1.667 (76)	0.012	0.640	0.000	0.023	0.000	0.652	1.050	4.8.2
L77	1.667 - 0 (77)	0.013	0.651	0.000	0.024	0.000	0.664	1.050	4.8.2

Section Capacity Table

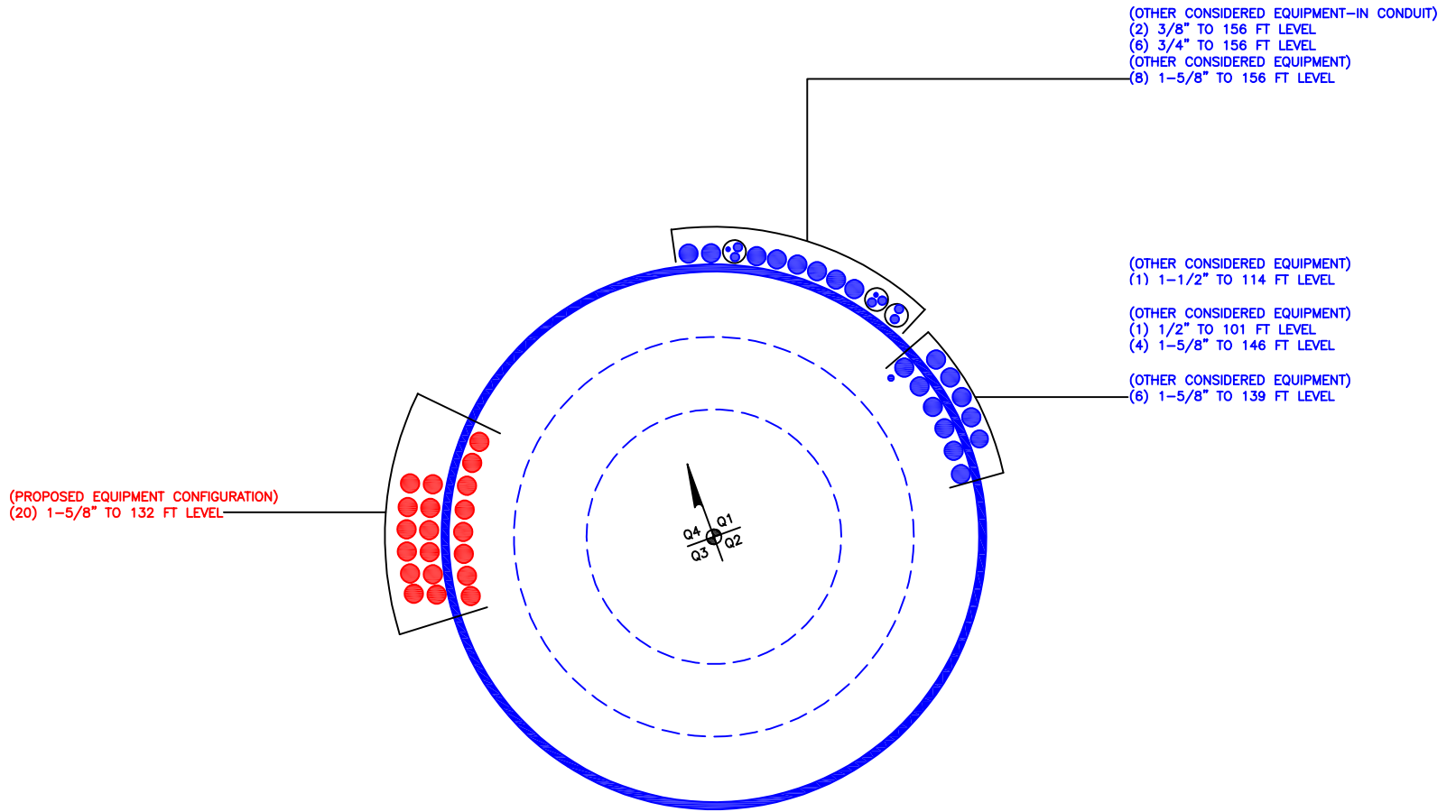
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	160.333 - 155.333	Pole	TP16x16x0.375	1	-4.23	608.84	5.3	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L2	155.333 - 150.333	Pole	TP16x16x0.375	2	-4.66	608.84	21.0	Pass
L3	150.333 - 146.833	Pole	TP16x16x0.375	3	-4.98	608.84	32.8	Pass
L4	146.833 - 146.333	Pole	TP22x22x0.375	4	-5.04	842.63	18.2	Pass
L5	146.333 - 141.333	Pole	TP22.924x22x0.25	5	-9.97	1034.92	28.0	Pass
L6	141.333 - 136.333	Pole	TP23.848x22.924x0.25	6	-10.78	1077.10	38.6	Pass
L7	136.333 - 131.333	Pole	TP24.7721x23.848x0.25	7	-15.45	1119.27	50.2	Pass
L8	131.333 - 126.333	Pole	TP25.6961x24.7721x0.25	8	-16.28	1161.45	63.1	Pass
L9	126.333 - 121.333	Pole	TP26.6201x25.6961x0.25	9	-17.15	1203.63	75.1	Pass
L10	121.333 - 120.083	Pole	TP26.8511x26.6201x0.25	10	-17.37	1214.17	78.0	Pass
L11	120.083 - 119.833	Pole	TP26.8973x26.8511x0.4875	11	-17.45	2350.60	38.3	Pass
L12	119.833 - 117.5	Pole	TP27.3285x26.8973x0.4875	12	-18.00	2388.98	40.5	Pass
L13	117.5 - 117.25	Pole	TP27.3747x27.3285x0.5	13	-18.08	2453.30	39.8	Pass
L14	117.25 - 115.5	Pole	TP27.6981x27.3747x0.5	14	-18.52	2482.83	41.4	Pass
L15	115.5 - 115.25	Pole	TP27.7443x27.6981x0.6625	15	-18.61	3275.68	31.9	Pass
L16	115.25 - 110.25	Pole	TP28.6683x27.7443x0.65	16	-23.06	3325.02	36.5	Pass
L17	110.25 - 104.083	Pole	TP29.808x28.6683x0.6375	17	-23.80	3314.80	39.0	Pass
L18	104.083 - 102.82	Pole	TP29.5407x28.6174x0.7	18	-26.26	3685.89	40.3	Pass
L19	102.82 - 100.5	Pole	TP29.9691x29.5407x0.6875	19	-27.12	3675.41	42.4	Pass
L20	100.5 - 100.25	Pole	TP30.0152x29.9691x0.6375	20	-27.21	3419.30	45.7	Pass
L21	100.25 - 98.5	Pole	TP30.3384x30.0152x0.625	21	-27.77	3390.55	47.7	Pass
L22	98.5 - 98.25	Pole	TP30.3846x30.3384x0.6625	22	-27.88	3595.04	45.3	Pass
L23	98.25 - 93.25	Pole	TP31.3078x30.3846x0.65	23	-29.61	3638.26	49.0	Pass
L24	93.25 - 90.5	Pole	TP31.8156x31.3078x0.6375	24	-30.58	3628.85	51.4	Pass
L25	90.5 - 90.25	Pole	TP31.8618x31.8156x0.6875	25	-30.69	3912.98	48.0	Pass
L26	90.25 - 85.25	Pole	TP32.7851x31.8618x0.675	26	-32.65	3957.17	51.2	Pass
L27	85.25 - 83.5	Pole	TP33.1082x32.7851x0.6625	27	-33.33	3924.48	52.9	Pass
L28	83.5 - 83.25	Pole	TP33.1544x33.1082x0.9125	28	-33.47	5371.46	39.4	Pass
L29	83.25 - 80.75	Pole	TP33.616x33.1544x0.8875	29	-34.63	5303.15	41.2	Pass
L30	80.75 - 80.5	Pole	TP33.6622x33.616x1.0625	30	-34.77	6323.85	35.0	Pass
L31	80.5 - 80.25	Pole	TP33.7084x33.6622x0.975	31	-34.89	5826.86	37.9	Pass
L32	80.25 - 77.5	Pole	TP34.2162x33.7084x0.9625	32	-36.21	5843.59	39.2	Pass
L33	77.5 - 77.25	Pole	TP34.2623x34.2162x0.6875	33	-36.33	4214.30	53.7	Pass
L34	77.25 - 68.82	Pole	TP35.819x34.2623x0.6875	34	-38.05	4306.06	55.2	Pass
L35	68.82 - 68.291	Pole	TP35.2914x34.3684x0.75	35	-41.91	4729.78	54.5	Pass
L36	68.291 - 64.25	Pole	TP36.0374x35.2914x0.7375	36	-43.82	4753.08	56.6	Pass
L37	64.25 - 64	Pole	TP36.0836x36.0374x0.875	37	-43.96	5624.65	48.3	Pass
L38	64 - 60.5	Pole	TP36.7297x36.0836x0.8625	38	-45.73	5648.01	49.9	Pass
L39	60.5 - 60.25	Pole	TP36.7758x36.7297x0.925	39	-45.87	6054.52	46.8	Pass
L40	60.25 - 60.083	Pole	TP36.8067x36.7758x0.925	40	-45.96	6059.73	46.8	Pass
L41	60.083 - 59.833	Pole	TP36.8528x36.8067x0.975	41	-46.10	6386.59	44.7	Pass
L42	59.833 - 59.083	Pole	TP36.9913x36.8528x0.975	42	-46.51	6411.25	44.8	Pass
L43	59.083 - 58.833	Pole	TP37.0374x36.9913x1.05	43	-46.66	6898.89	41.9	Pass
L44	58.833 - 55.4167	Pole	TP37.6681x37.0374x1.025	44	-48.65	6857.33	43.5	Pass
L45	55.4167 - 55.1667	Pole	TP37.7142x37.6681x1.025	45	-48.81	6865.96	43.6	Pass
L46	55.1667 - 54.75	Pole	TP37.7912x37.7142x1.025	46	-49.06	6880.36	43.7	Pass
L47	54.75 - 54.5	Pole	TP37.8373x37.7912x0.825	47	-49.19	5574.92	53.5	Pass
L48	54.5 - 49.5	Pole	TP38.7603x37.8373x0.8125	48	-51.80	5629.24	55.3	Pass
L49	49.5 - 44.5	Pole	TP39.6834x38.7603x0.8	49	-54.45	5679.27	57.2	Pass
L50	44.5 - 41.25	Pole	TP40.2833x39.6834x0.7875	50	-56.19	5678.59	58.6	Pass
L51	41.25 - 41	Pole	TP40.3295x40.2833x0.875	51	-56.35	6302.94	53.1	Pass
L52	41 - 34.291	Pole	TP41.568x40.3295x0.875	52	-57.50	6361.93	53.5	Pass
L53	34.291 - 33.291	Pole	TP40.9955x39.9487x1.175	53	-63.56	9254.35	39.7	Pass
L54	33.291 - 31.5	Pole	TP41.3239x40.9955x1.175	54	-64.77	9330.68	39.8	Pass
L55	31.5 - 31.25	Pole	TP41.3698x41.3239x1.175	55	-64.96	9341.32	39.9	Pass
L56	31.25 - 30.5	Pole	TP41.5073x41.3698x1.175	56	-65.47	9373.29	39.9	Pass
L57	30.5 - 30.25	Pole	TP41.5532x41.5073x1.125	57	-65.64	8995.75	41.6	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail	
L58	30.25 - 25.75	Pole	TP42.3783x41.5532x1.1	58	-68.66	8980.81	42.9	Pass	
L59	25.75 - 25.5	Pole	TP42.4241x42.3783x1.025	59	-68.84	8392.99	45.8	Pass	
L60	25.5 - 24.6667	Pole	TP42.5769x42.4241x1.025	60	-69.38	8423.96	45.9	Pass	
L61	24.6667 - 24.4167	Pole	TP42.6228x42.5769x0.925	61	-69.53	7628.80	50.5	Pass	
L62	24.4167 - 24	Pole	TP42.6992x42.6228x0.9125	62	-69.77	7541.75	51.2	Pass	
L63	24 - 23.75	Pole	TP42.745x42.6992x1.025	63	-69.92	8458.03	46.0	Pass	
L64	23.75 - 18.75	Pole	TP43.6619x42.745x1	64	-72.92	8438.03	47.5	Pass	
L65	18.75 - 14.083	Pole	TP44.5176x43.6619x0.9875	65	-75.76	8502.14	48.5	Pass	
L66	14.083 - 13.817	Pole	TP44.5664x44.5176x0.9625	66	-75.94	8300.94	49.7	Pass	
L67	13.817 - 13.667	Pole	TP44.5939x44.5664x0.9625	67	-76.04	8306.18	49.7	Pass	
L68	13.667 - 10.5	Pole	TP45.1746x44.5939x0.95	68	-78.00	8309.77	50.6	Pass	
L69	10.5 - 10.25	Pole	TP45.2205x45.1746x0.9	69	-78.17	7889.48	53.2	Pass	
L70	10.25 - 5.25	Pole	TP46.1373x45.2205x0.875	70	-81.19	7833.33	55.1	Pass	
L71	5.25 - 2.9	Pole	TP46.5682x46.1373x0.75	71	-82.39	6796.74	64.0	Pass	
L72	2.9 - 2.65	Pole	TP46.6141x46.5682x0.75	72	-82.53	6803.54	64.0	Pass	
L73	2.65 - 2.5	Pole	TP46.6416x46.6141x0.75	73	-82.61	6807.62	64.0	Pass	
L74	2.5 - 2.25	Pole	TP46.6874x46.6416x0.875	74	-82.75	7928.53	55.3	Pass	
L75	2.25 - 1.917	Pole	TP46.7485x46.6874x0.875	75	-82.93	7939.09	55.4	Pass	
L76	1.917 - 1.667	Pole	TP46.7943x46.7485x0.775	76	-83.05	7054.12	62.1	Pass	
L77	1.667 - 0	Pole	TP47.1x46.7943x0.7625	77	-83.88	6988.33	63.3	Pass	
							Summary		
							Pole (L10)	78.0	Pass
							RATING =	78.0	Pass

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

APPENDIX B
BASE LEVEL DRAWING



APPENDIX C
ADDITIONAL CALCULATIONS

Pole Geometry

Pole	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	160.333	13.5	0	0	16	16	0.375		A53-B-35
2	146.833	0.5	0	0	22.00	22	0.375		A53-B-35
3	146.333	42.25	3.737	12	22.00	29.808	0.25	Auto	A607-60
4	107.82	39	4.471	12	28.62	35.819	0.3125	Auto	A607-60
5	73.291	39	4.709	12	34.37	41.568	0.375	Auto	A607-60
6	39	39	0	12	39.95	47.1	0.375	Auto	A607-65

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
1	1.917	14.083	channel	MP3-04 (1.1875in)	2					E1		E1				
2	2.917	30.5	channel	MP3-05 (1.1875in)	2			E1								E1
3	30.5	59.083	channel	MP3-04 (1.1875in)	2			E1								E1
4	13.917	31.5	channel	MP3-05 (1.1875in)	1							E1				
5	31.5	60.083	channel	MP3-04 (1.1875in)	1							E1				
6	2.5	30.5	plate	MS-600 (1.1875")	3		E2		E2				E2			
7	30.5	60.5	plate	MS-650 (1.1875")	3		E2		E2				E2			
8	60.5	80.5	plate	MS-600 (1.1875")	3		E2		E2				E2			
9	80.5	98.5	plate	MS-600 (1.1875")	2				E2				E2			
10	80.5	100.5	plate	MS-650 (1.1875")	1		E2									
11	100.5	117.5	plate	CCI-SFP-045100	1			E3								
12	98.5	115.5	plate	CCI-SFP-045100	2							E3				E3
13	3	10.5	plate	CCI-AFP-060100	1											E4
14	10.5	41.25	plate	CCI-AFP-085125	1											E4
15	64.25	80.75	plate	CCI-AFP-085125	1											E4
16	24.6667	55.41667	plate	CCI-AFP-085125	2					E5				E5		
17	55.41667	90.5	plate	CCI-AFP-085125	2					E5				E5		
18	90.5	120.083	plate	CCI-AFP-060100	2					E5				E5		
19	100.5	120.083	plate	CCI-AFP-060100	1		E5									
20	25.75	35.35	plate	MS-650 (1.1875")	3	E2			E2				E2			
21	54.75	64.25	plate	MS-600 (1.1875")	3	E2			E2				E2			
22	77.5	83.5	plate	MS-600 (1.1875")	3	E2			E2				E2			
23	0	24	plate	TS-5.875x1.25_BS	4		-5.5	-5.5		-5.5					-5.5	
24	0	2.5	plate	TS-5.875x1.25_BS	4	E4			E4			E4			E4	
25	24	25.75	plate	TS-5.875x1.25	3		-5.5			-5.5					-5.5	
26																

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 (in ²)	Bolt Hole Size (in)	Reinforcement Material
1	4.78	1.61	4.13	0.61	PC 8.8 - M20 (100)	17	PC 8.8 - M20 (100)	17.000	18.000	3.593	1.1875	A572-65
2	5.33	2.09	5.65	0.79	PC 8.8 - M20 (100)	29	PC 8.8 - M20 (100)	29.000	18.000	5.025	1.1875	A572-65
3	4.78	1.61	4.13	0.61	PC 8.8 - M20 (100)	17	PC 8.8 - M20 (100)	17.000	18.000	3.593	1.1875	A572-65
4	5.33	2.09	5.65	0.79	PC 8.8 - M20 (100)	29	PC 8.8 - M20 (100)	29.000	18.000	5.025	1.1875	A572-65
5	4.78	1.61	4.13	0.61	PC 8.8 - M20 (100)	17	PC 8.8 - M20 (100)	17.000	18.000	3.593	1.1875	A572-65
6	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
7	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.250	6.563	1.1875	A572-65
8	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
9	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
10	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.250	6.563	1.1875	A572-65
11	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
12	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
13	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65
14	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	51	PC 8.8 - M20 (100)	51.000	17.000	9.063	1.1875	A572-65
15	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	51	PC 8.8 - M20 (100)	51.000	17.000	9.063	1.1875	A572-65
16	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	51	PC 8.8 - M20 (100)	51.000	17.000	9.063	1.1875	A572-65
17	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	51	PC 8.8 - M20 (100)	51.000	17.000	9.063	1.1875	A572-65
18	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65
19	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65
20	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.250	6.563	1.1875	A572-65
21	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
22	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
23	1.25	5.125	6.40625	2.5625	Welded	n/a	Welded	n/a	0.750	6.406	0.0000	A572-65
24	1.25	5.125	6.40625	2.5625	Welded	n/a	Welded	n/a	0.750	6.406	0.0000	A572-65
25	1.25	5.125	6.40625	2.5625	Welded	n/a	Welded	n/a	0.750	6.406	0.0000	A572-65

Connection Details for Custom Reinforcements

Reinforcement	End	# Bolts	N or X	Bolt Spacing (in)	Edge Dist (in)	Weld Grade (ksi)	Transverse (Horiz.) Weld Type	Horiz. Weld Length (in)	Horiz. Groove Depth (in)	Horiz. Groove Angle (deg)	Horiz. Fillet Size (in)	Vertical Weld Length (in)	Vertical Fillet Size (in)	Rev H Connection Capacity (kip)
TS-5.875x1.25_BS	Top	-	-	-	-	70	None	-	-	-	-	342	0.250	-
	Bottom	-	-	-	-	70	CJP Groove	10.25	0.625	45	0.5	-	-	-
TS-5.875x1.25	Top	-	-	-	-	70	None	-	-	-	-	342	0.250	-
	Bottom	-	-	-	-	70	Fillet	10.25	-	-	0.5	-	-	-

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	160.333 - 155.333	5		0	16.000	16.000	0.375	A53-B-35	1.000
2	155.333 - 150.333	5		0	16.000	16.000	0.375	A53-B-35	1.000
3	150.333 - 146.833	3.5	0	0	16.000	16.000	0.375	A53-B-35	1.000
4	146.833 - 146.333	0.5	0	0	22.000	22.000	0.375	A53-B-35	1.000
5	146.333 - 141.333	5		12	22.000	22.924	0.25	A607-60	1.000
6	141.333 - 136.333	5		12	22.924	23.848	0.25	A607-60	1.000
7	136.333 - 131.333	5		12	23.848	24.772	0.25	A607-60	1.000
8	131.333 - 126.333	5		12	24.772	25.696	0.25	A607-60	1.000
9	126.333 - 121.333	5		12	25.696	26.620	0.25	A607-60	1.000
10	121.333 - 120.083	1.25		12	26.620	26.851	0.25	A607-60	1.000
11	120.083 - 119.833	0.25		12	26.851	26.897	0.4875	A607-60	0.952
12	119.833 - 117.5	2.333		12	26.897	27.328	0.4875	A607-60	0.945
13	117.5 - 117.25	0.25		12	27.328	27.375	0.5	A607-60	1.025
14	117.25 - 115.5	1.75		12	27.375	27.698	0.5	A607-60	1.019
15	115.5 - 115.25	0.25		12	27.698	27.744	0.6625	A607-60	0.929
16	115.25 - 110.25	5		12	27.744	28.668	0.65	A607-60	0.928
17	110.25 - 107.82	6.167	3.737	12	28.668	29.808	0.6375	A607-60	0.937
18	107.82 - 102.82	5		12	28.617	29.541	0.7	A607-60	0.938
19	102.82 - 100.5	2.32		12	29.541	29.969	0.6875	A607-60	0.947
20	100.5 - 100.25	0.25		12	29.969	30.015	0.6375	A607-60	0.979
21	100.25 - 98.5	1.75		12	30.015	30.338	0.625	A607-60	0.993
22	98.5 - 98.25	0.25		12	30.338	30.385	0.6625	A607-60	0.985
23	98.25 - 93.25	5		12	30.385	31.308	0.65	A607-60	0.987
24	93.25 - 90.5	2.75		12	31.308	31.816	0.6375	A607-60	0.998
25	90.5 - 90.25	0.25		12	31.816	31.862	0.6875	A607-60	1.060
26	90.25 - 85.25	5		12	31.862	32.785	0.675	A607-60	1.062
27	85.25 - 83.5	1.75		12	32.785	33.108	0.6625	A607-60	1.075
28	83.5 - 83.25	0.25		12	33.108	33.154	0.9125	A607-60	0.976
29	83.25 - 80.75	2.5		12	33.154	33.616	0.8875	A607-60	0.994
30	80.75 - 80.5	0.25		12	33.616	33.662	1.0625	A607-60	0.929
31	80.5 - 80.25	0.25		12	33.662	33.708	0.975	A607-60	0.988
32	80.25 - 77.5	2.75		12	33.708	34.216	0.9625	A607-60	0.991
33	77.5 - 77.25	0.25		12	34.216	34.262	0.6875	A607-60	1.132
34	77.25 - 73.291	8.43	4.471	12	34.262	35.819	0.6875	A607-60	1.117
35	73.291 - 68.291	5		12	34.368	35.291	0.75	A607-60	1.104
36	68.291 - 64.25	4.041		12	35.291	36.037	0.7375	A607-60	1.110
37	64.25 - 64	0.25		12	36.037	36.084	0.875	A607-60	1.013
38	64 - 60.5	3.5		12	36.084	36.730	0.8625	A607-60	1.016
39	60.5 - 60.25	0.25		12	36.730	36.776	0.925	A607-60	1.008
40	60.25 - 60.083	0.167		12	36.776	36.807	0.925	A607-60	1.008
41	60.083 - 59.833	0.25		12	36.807	36.853	0.975	A607-60	0.993
42	59.833 - 59.083	0.75		12	36.853	36.991	0.975	A607-60	0.991
43	59.083 - 58.833	0.25		12	36.991	37.037	1.05	A607-60	0.989
44	58.833 - 55.41667	3.41633		12	37.037	37.668	1.025	A607-60	1.002
45	55.41667 - 55.16667	0.25		12	37.668	37.714	1.025	A607-60	1.001
46	55.16667 - 54.75	0.41667		12	37.714	37.791	1.025	A607-60	1.000
47	54.75 - 54.5	0.25		12	37.791	37.837	0.825	A607-60	1.051
48	54.5 - 49.5	5		12	37.837	38.760	0.8125	A607-60	1.052
49	49.5 - 44.5	5		12	38.760	39.683	0.8	A607-60	1.054
50	44.5 - 41.25	3.25		12	39.683	40.283	0.7875	A607-60	1.061
51	41.25 - 41	0.25		12	40.283	40.329	0.875	A607-60	1.052
52	41 - 39	6.709	4.709	12	40.329	41.568	0.875	A607-60	1.047
53	39 - 33.291	5.709		12	39.949	40.996	1.175	A607-65	0.944
54	33.291 - 31.5	1.791		12	40.996	41.324	1.175	A607-65	0.939
55	31.5 - 31.25	0.25		12	41.324	41.370	1.175	A607-65	0.948
56	31.25 - 30.5	0.75		12	41.370	41.507	1.175	A607-65	0.946
57	30.5 - 30.25	0.25		12	41.507	41.553	1.125	A607-65	0.963
58	30.25 - 25.75	4.5		12	41.553	42.378	1.1	A607-65	0.972
59	25.75 - 25.5	0.25		12	42.378	42.424	1.025	A607-65	1.002
60	25.5 - 24.6667	0.8333		12	42.424	42.577	1.025	A607-65	1.000
61	24.6667 - 24.4167	0.25		12	42.577	42.623	0.925	A607-65	0.933
62	24.4167 - 24	0.4167		12	42.623	42.699	0.9125	A607-65	0.945
63	24 - 23.75	0.25		12	42.699	42.745	1.025	A607-65	0.889
64	23.75 - 18.75	5		12	42.745	43.662	1	A607-65	0.900
65	18.75 - 14.083	4.667		12	43.662	44.518	0.9875	A607-65	0.900
66	14.083 - 13.817	0.266		12	44.518	44.566	0.9625	A607-65	0.942
67	13.817 - 13.667	0.15		12	44.566	44.594	0.9625	A607-65	0.941
68	13.667 - 10.5	3.167		12	44.594	45.175	0.95	A607-65	0.946
69	10.5 - 10.25	0.25		12	45.175	45.220	0.9	A607-65	0.961
70	10.25 - 5.25	5		12	45.220	46.137	0.875	A607-65	0.977
71	5.25 - 2.9	2.35		12	46.137	46.568	0.75	A607-65	0.974
72	2.9 - 2.65	0.25		12	46.568	46.614	0.75	A607-65	0.973
73	2.65 - 2.5	0.15		12	46.614	46.642	0.75	A607-65	0.973
74	2.5 - 2.25	0.25		12	46.642	46.687	0.875	A607-65	0.895
75	2.25 - 1.917	0.333		12	46.687	46.748	0.875	A607-65	0.894
76	1.917 - 1.667	0.25		12	46.748	46.794	0.775	A607-65	0.935
77	1.667 - 0	1.667		12	46.794	47.100	0.7625	A607-65	0.947

TNX Section Forces

Increment (ft):		TNX Output			
5					
	Section Height (ft)	P _u (K)	M _{ux} (kip-ft)	V _u (K)	
1	160.333 - 155.333	4.23	11.06	7.54	
2	155.333 - 150.333	4.66	50.45	8.19	
3	150.333 - 146.833	4.98	79.93	8.64	
4	146.833 - 146.333	5.04	84.27	8.72	
5	146.333 - 141.333	9.97	157.52	14.77	
6	141.333 - 136.333	10.79	235.07	16.17	
7	136.333 - 131.333	15.45	325.06	22.06	
8	131.333 - 126.333	16.28	437.51	22.91	
9	126.333 - 121.333	17.15	554.15	23.75	
10	121.333 - 120.083	17.37	583.97	23.96	
11	120.083 - 119.833	17.45	589.97	23.99	
12	119.833 - 117.5	18.00	646.37	24.34	
13	117.5 - 117.25	18.08	652.46	24.38	
14	117.25 - 115.5	18.52	695.37	24.65	
15	115.5 - 115.25	18.61	701.54	24.68	
16	115.25 - 110.25	23.06	840.59	29.10	
17	110.25 - 107.82	23.80	911.79	29.48	
18	107.82 - 102.82	26.26	1061.49	30.36	
19	102.82 - 100.5	27.12	1132.41	30.81	
20	100.5 - 100.25	27.21	1140.12	30.84	
21	100.25 - 98.5	27.77	1194.35	31.12	
22	98.5 - 98.25	27.88	1202.13	31.14	
23	98.25 - 93.25	29.61	1359.78	31.90	
24	93.25 - 90.5	30.58	1448.07	32.31	
25	90.5 - 90.25	30.69	1456.15	32.33	
26	90.25 - 85.25	32.65	1619.74	33.08	
27	85.25 - 83.5	33.33	1677.94	33.44	
28	83.5 - 83.25	33.47	1686.31	33.47	
29	83.25 - 80.75	34.63	1770.54	33.89	
30	80.75 - 80.5	34.77	1779.02	33.92	
31	80.5 - 80.25	34.89	1787.51	33.97	
32	80.25 - 77.5	36.21	1882.23	35.13	
33	77.5 - 77.25	36.33	1891.02	35.17	
34	77.25 - 73.291	38.05	2031.76	35.96	
35	73.291 - 68.291	41.91	2214.38	37.10	
36	68.291 - 64.25	43.82	2365.82	37.89	
37	64.25 - 64	43.96	2375.29	37.91	
38	64 - 60.5	45.73	2508.90	38.47	
39	60.5 - 60.25	45.87	2518.52	38.49	
40	60.25 - 60.083	45.96	2524.95	38.52	
41	60.083 - 59.833	46.10	2534.58	38.55	
42	59.833 - 59.083	46.51	2563.54	38.67	
43	59.083 - 58.833	46.66	2573.21	38.70	
44	58.833 - 55.41667	48.65	2706.28	39.23	
45	55.41667 - 55.16667	48.81	2716.09	39.25	
46	55.16667 - 54.75	49.06	2732.45	39.31	
47	54.75 - 54.5	49.19	2742.29	39.35	
48	54.5 - 49.5	51.80	2940.67	40.03	
49	49.5 - 44.5	54.45	3142.38	40.69	
50	44.5 - 41.25	56.19	3275.28	41.14	
51	41.25 - 41	56.35	3285.56	41.16	
52	41 - 39	57.50	3368.14	41.44	
53	39 - 33.291	63.56	3607.43	42.40	
54	33.291 - 31.5	64.77	3683.55	42.66	
55	31.5 - 31.25	64.96	3694.21	42.66	
56	31.25 - 30.5	65.47	3726.24	42.78	
57	30.5 - 30.25	65.64	3736.94	42.80	
58	30.25 - 25.75	68.66	3931.37	43.64	
59	25.75 - 25.5	68.84	3942.28	43.67	
60	25.5 - 24.6667	69.38	3978.73	43.84	
61	24.6667 - 24.4167	69.53	3989.69	43.88	
62	24.4167 - 24	69.77	4007.99	43.96	
63	24 - 23.75	69.92	4018.98	44.00	
64	23.75 - 18.75	72.92	4241.20	44.92	
65	18.75 - 14.083	75.76	4452.52	45.69	
66	14.083 - 13.817	75.94	4464.67	45.71	
67	13.817 - 13.667	76.04	4471.53	45.73	
68	13.667 - 10.5	78.00	4617.14	46.26	
69	10.5 - 10.25	78.17	4628.70	46.28	
70	10.25 - 5.25	81.19	4861.94	47.05	
71	5.25 - 2.9	82.39	4972.69	47.25	
72	2.9 - 2.65	82.53	4984.50	47.23	
73	2.65 - 2.5	82.61	4991.59	47.24	
74	2.5 - 2.25	82.75	5003.40	47.27	
75	2.25 - 1.917	82.93	5019.15	47.30	
76	1.917 - 1.667	83.05	5030.98	47.32	
77	1.667 - 0	83.88	5109.98	47.50	

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
160.33 - 155.33	Pole	TP16x16x0.375	Pole	5.3%	Pass
155.33 - 150.33	Pole	TP16x16x0.375	Pole	21.0%	Pass
150.33 - 146.83	Pole	TP16x16x0.375	Pole	32.7%	Pass
146.83 - 146.33	Pole	TP22x22x0.375	Pole	18.2%	Pass
146.33 - 141.33	Pole	TP22.924x22x0.25	Pole	27.9%	Pass
141.33 - 136.33	Pole	TP23.848x22.924x0.25	Pole	38.5%	Pass
136.33 - 131.33	Pole	TP24.772x23.848x0.25	Pole	50.1%	Pass
131.33 - 126.33	Pole	TP25.696x24.772x0.25	Pole	62.9%	Pass
126.33 - 121.33	Pole	TP26.62x25.696x0.25	Pole	74.9%	Pass
121.33 - 120.08	Pole	TP26.851x26.62x0.25	Pole	77.7%	Pass
120.08 - 119.83	Pole + Reinf.	TP26.897x26.851x0.4875	Reinf. 18 Tension Rupture	54.0%	Pass
119.83 - 117.5	Pole + Reinf.	TP27.328x26.897x0.4875	Reinf. 18 Tension Rupture	57.7%	Pass
117.5 - 117.25	Pole + Reinf.	TP27.375x27.328x0.5	Reinf. 19 Tension Rupture	53.8%	Pass
117.25 - 115.5	Pole + Reinf.	TP27.698x27.375x0.5	Reinf. 19 Tension Rupture	56.3%	Pass
115.5 - 115.25	Pole + Reinf.	TP27.744x27.698x0.6625	Reinf. 11 Tension Rupture	49.7%	Pass
115.25 - 110.25	Pole + Reinf.	TP28.668x27.744x0.65	Reinf. 11 Tension Rupture	56.9%	Pass
110.25 - 107.82	Pole + Reinf.	TP29.808x28.668x0.6375	Reinf. 11 Tension Rupture	60.4%	Pass
107.82 - 102.82	Pole + Reinf.	TP29.541x28.617x0.7	Reinf. 11 Tension Rupture	62.6%	Pass
102.82 - 100.5	Pole + Reinf.	TP29.969x29.541x0.6875	Reinf. 11 Tension Rupture	65.4%	Pass
100.5 - 100.25	Pole + Reinf.	TP30.015x29.969x0.6375	Reinf. 18 Tension Rupture	66.9%	Pass
100.25 - 98.5	Pole + Reinf.	TP30.338x30.015x0.625	Reinf. 18 Tension Rupture	68.9%	Pass
98.5 - 98.25	Pole + Reinf.	TP30.385x30.338x0.6625	Reinf. 10 Tension Rupture	65.9%	Pass
98.25 - 93.25	Pole + Reinf.	TP31.308x30.385x0.65	Reinf. 10 Tension Rupture	71.2%	Pass
93.25 - 90.5	Pole + Reinf.	TP31.816x31.308x0.6375	Reinf. 10 Tension Rupture	74.0%	Pass
90.5 - 90.25	Pole + Reinf.	TP31.862x31.816x0.6875	Reinf. 10 Tension Rupture	73.0%	Pass
90.25 - 85.25	Pole + Reinf.	TP32.785x31.862x0.675	Reinf. 10 Tension Rupture	77.8%	Pass
85.25 - 83.5	Pole + Reinf.	TP33.108x32.785x0.6625	Reinf. 10 Tension Rupture	79.4%	Pass
83.5 - 83.25	Pole + Reinf.	TP33.154x33.108x0.9125	Reinf. 22 Tension Rupture	60.2%	Pass
83.25 - 80.75	Pole + Reinf.	TP33.616x33.154x0.8875	Reinf. 22 Tension Rupture	62.0%	Pass
80.75 - 80.5	Pole + Reinf.	TP33.662x33.616x1.0625	Reinf. 22 Tension Rupture	51.0%	Pass
80.5 - 80.25	Pole + Reinf.	TP33.708x33.662x0.975	Reinf. 8 Tension Rupture	54.9%	Pass
80.25 - 77.5	Pole + Reinf.	TP34.216x33.708x0.9625	Reinf. 8 Tension Rupture	56.7%	Pass
77.5 - 77.25	Pole + Reinf.	TP34.262x34.216x0.6875	Reinf. 8 Tension Rupture	79.3%	Pass
77.25 - 73.29	Pole + Reinf.	TP35.819x34.262x0.6875	Reinf. 8 Tension Rupture	82.6%	Pass
73.29 - 68.29	Pole + Reinf.	TP35.291x34.368x0.75	Reinf. 8 Tension Rupture	81.0%	Pass
68.29 - 64.25	Pole + Reinf.	TP36.037x35.291x0.7375	Reinf. 8 Tension Rupture	83.8%	Pass
64.25 - 64	Pole + Reinf.	TP36.084x36.037x0.875	Reinf. 21 Tension Rupture	73.9%	Pass
64 - 60.5	Pole + Reinf.	TP36.73x36.084x0.8625	Reinf. 21 Tension Rupture	76.1%	Pass
60.5 - 60.25	Pole + Reinf.	TP36.776x36.73x0.925	Reinf. 21 Tension Rupture	71.8%	Pass
60.25 - 60.08	Pole + Reinf.	TP36.807x36.776x0.925	Reinf. 21 Tension Rupture	71.9%	Pass
60.08 - 59.83	Pole + Reinf.	TP36.853x36.807x0.975	Reinf. 21 Tension Rupture	69.6%	Pass
59.83 - 59.08	Pole + Reinf.	TP36.991x36.853x0.975	Reinf. 21 Tension Rupture	70.0%	Pass
59.08 - 58.83	Pole + Reinf.	TP37.037x36.991x1.05	Reinf. 21 Tension Rupture	63.8%	Pass
58.83 - 55.42	Pole + Reinf.	TP37.668x37.037x1.025	Reinf. 21 Tension Rupture	65.5%	Pass
55.42 - 55.17	Pole + Reinf.	TP37.714x37.668x1.025	Reinf. 21 Tension Rupture	65.6%	Pass
55.17 - 54.75	Pole + Reinf.	TP37.791x37.714x1.025	Reinf. 21 Tension Rupture	65.8%	Pass
54.75 - 54.5	Pole + Reinf.	TP37.837x37.791x0.825	Reinf. 7 Tension Rupture	79.9%	Pass
54.5 - 49.5	Pole + Reinf.	TP38.76x37.837x0.8125	Reinf. 7 Tension Rupture	82.6%	Pass
49.5 - 44.5	Pole + Reinf.	TP39.683x38.76x0.8	Reinf. 7 Tension Rupture	85.2%	Pass
44.5 - 41.25	Pole + Reinf.	TP40.283x39.683x0.7875	Reinf. 7 Tension Rupture	86.8%	Pass
41.25 - 41	Pole + Reinf.	TP40.329x40.283x0.875	Reinf. 7 Tension Rupture	76.2%	Pass
41 - 39	Pole + Reinf.	TP41.568x40.329x0.875	Reinf. 7 Tension Rupture	77.1%	Pass
39 - 33.29	Pole + Reinf.	TP40.996x39.949x1.175	Reinf. 7 Tension Rupture	60.3%	Pass
33.29 - 31.5	Pole + Reinf.	TP41.324x40.996x1.175	Reinf. 7 Tension Rupture	60.9%	Pass
31.5 - 31.25	Pole + Reinf.	TP41.37x41.324x1.175	Reinf. 7 Tension Rupture	60.6%	Pass
31.25 - 30.5	Pole + Reinf.	TP41.507x41.37x1.175	Reinf. 7 Tension Rupture	60.9%	Pass
30.5 - 30.25	Pole + Reinf.	TP41.553x41.507x1.125	Reinf. 6 Tension Rupture	63.9%	Pass
30.25 - 25.75	Pole + Reinf.	TP42.378x41.553x1.1	Reinf. 6 Tension Rupture	65.5%	Pass
25.75 - 25.5	Pole + Reinf.	TP42.424x42.378x1.025	Reinf. 6 Tension Rupture	71.7%	Pass
25.5 - 24.67	Pole + Reinf.	TP42.577x42.424x1.025	Reinf. 6 Tension Rupture	72.0%	Pass
24.67 - 24.42	Pole + Reinf.	TP42.623x42.577x0.925	Reinf. 6 Tension Rupture	79.2%	Pass
24.42 - 24	Pole + Reinf.	TP42.699x42.623x0.9125	Reinf. 6 Tension Rupture	79.4%	Pass
24 - 23.75	Pole + Reinf.	TP42.745x42.699x1.025	Reinf. 6 Tension Rupture	75.1%	Pass
23.75 - 18.75	Pole + Reinf.	TP43.662x42.745x1	Reinf. 6 Tension Rupture	77.0%	Pass
18.75 - 14.08	Pole + Reinf.	TP44.518x43.662x0.9875	Reinf. 6 Tension Rupture	78.8%	Pass
14.08 - 13.82	Pole + Reinf.	TP44.566x44.518x0.9625	Reinf. 1 Tension Rupture	77.0%	Pass
13.82 - 13.67	Pole + Reinf.	TP44.594x44.566x0.9625	Reinf. 1 Tension Rupture	77.0%	Pass
13.67 - 10.5	Pole + Reinf.	TP45.175x44.594x0.95	Reinf. 1 Tension Rupture	78.1%	Pass
10.5 - 10.25	Pole + Reinf.	TP45.22x45.175x0.9	Reinf. 13 Tension Rupture	80.7%	Pass
10.25 - 5.25	Pole + Reinf.	TP46.137x45.22x0.875	Reinf. 13 Tension Rupture	82.4%	Pass
5.25 - 2.9	Pole + Reinf.	TP46.568x46.137x0.75	Reinf. 23 Compression	93.4%	Pass
2.9 - 2.65	Pole + Reinf.	TP46.614x46.568x0.75	Reinf. 23 Compression	93.5%	Pass
2.65 - 2.5	Pole + Reinf.	TP46.642x46.614x0.75	Reinf. 23 Compression	93.5%	Pass
2.5 - 2.25	Pole + Reinf.	TP46.687x46.642x0.875	Reinf. 23 Compression	79.9%	Pass
2.25 - 1.92	Pole + Reinf.	TP46.748x46.687x0.875	Reinf. 23 Compression	80.0%	Pass
1.92 - 1.67	Pole + Reinf.	TP46.794x46.748x0.775	Reinf. 23 Compression	85.9%	Pass
1.67 - 0	Pole + Reinf.	TP47.1x46.794x0.7625	Reinf. 23 Compression	86.4%	Pass
				Summary	
			Pole	81.0%	Pass
			Reinforcement	93.5%	Pass
			Overall	93.5%	Pass

Monopole Flange Plate Connection

Elevation = 146.833 ft.

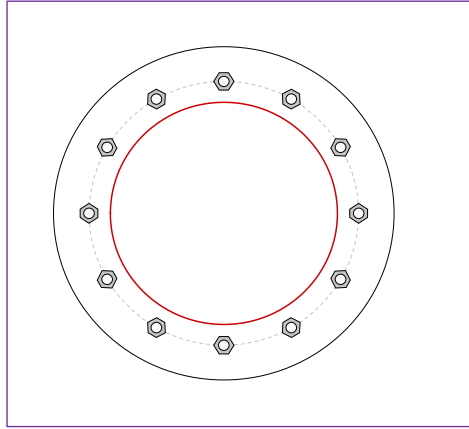


BU #	876334
Site Name	Southington, Smoron
Order #	582736 Rev. 0
TIA-222 Revision	H

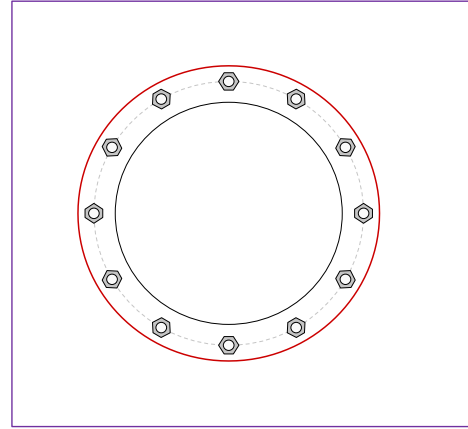
Applied Loads	
Moment (kip-ft)	79.93
Axial Force (kips)	4.98
Shear Force (kips)	8.64

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(12) 3/4" \emptyset bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 19" BC

Top Plate Data

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

Bottom Plate Data

16" 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

16" x 0.375" round pole (A53-B-35; Fy=35 ksi, Fu=60 ksi)

Bottom Pole Data

22" x 0.375" round pole (A53-B-35; Fy=35 ksi, Fu=60 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	16.40
Allowable (kips)	30.04
Stress Rating:	52.0% Pass

Top Plate Capacity

Max Stress (ksi):	6.80	(Flexural)
Allowable Stress (ksi):	45.00	
Stress Rating:	14.4%	Pass
Tension Side Stress Rating:	7.1%	Pass

Bottom Plate Capacity

Max Stress (ksi):	26.26	(Flexural)
Allowable Stress (ksi):	45.00	
Stress Rating:	55.6%	Pass
Tension Side Stress Rating:	N/A	

Monopole Base Plate Connection

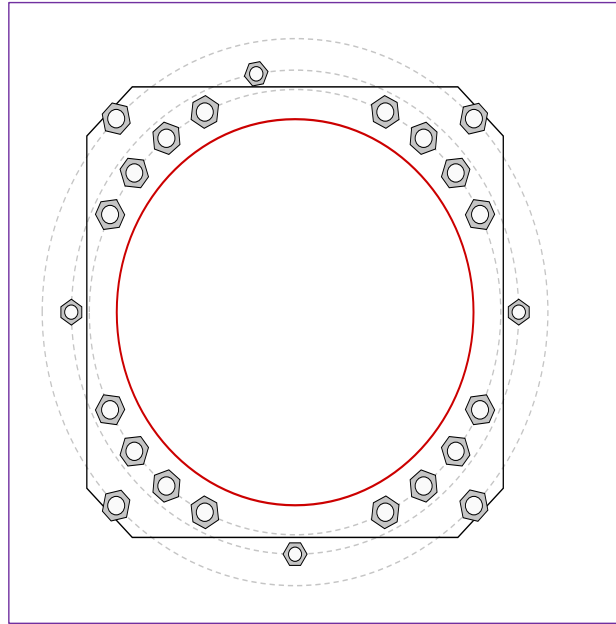


Site Info	
BU #	876334
Site Name	Southington, Smoron
Order #	582736 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	Yes
I_{ar} (in)	0

Applied Loads	
Moment (kip-ft)	5109.98
Axial Force (kips)	83.88
Shear Force (kips)	47.50

*TIA-222-H Section 15.5 Applied



Connection Properties	Analysis Results
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Anchor Rod Data

GROUP 1: (16) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 54.375" BC
Anchor Spacing: 6 in

GROUP 2: (4) 1-3/4" ϕ bolts (F1554-105 N; $F_y=105$ ksi, $F_u=125$ ksi) on 59.1" BC
pos. (deg): 0, 100, 180, 270

GROUP 3: (4) 2-1/4" ϕ bolts (A193 Gr. B7 N; $F_y=105$ ksi, $F_u=125$ ksi) on 66.8125" BC

Base Plate Data

55" W x 3" Plate (A572-50; $F_y=50$ ksi, $F_u=65$ ksi); Clip: 6 in

Stiffener Data

N/A

Pole Data

47.1" x 0.375" 12-sided pole (A607-65; $F_y=65$ ksi, $F_u=80$ ksi)

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

GROUP 1:		Stress Rating
$P_{u,t} = 178.9$	$\phi P_{n,t} = 243.75$	69.9%
$V_u = 2.97$	$\phi V_n = 149.1$	Pass
$M_u = n/a$	$\phi M_n = n/a$	
GROUP 2:		Stress Rating
$P_{u,t} = 115.83$	$\phi P_{n,t} = 178.13$	61.9%
$V_u = 0$	$\phi V_n = 112.75$	Pass
$M_u = n/a$	$\phi M_n = n/a$	
GROUP 3:		Stress Rating
$P_{u,t} = 226.19$	$\phi P_{n,t} = 304.69$	70.7%
$V_u = 0$	$\phi V_n = 186.38$	Pass
$M_u = n/a$	$\phi M_n = n/a$	

Base Plate Summary

Max Stress (ksi):	30.15	(Flexural)
Allowable Stress (ksi):	45	
Stress Rating:	63.8%	Pass

Drilled Pier Foundation

BU # :	876334
Site Name:	Southington, Smoron
Order Number:	582736 Rev. 0
TIA-222 Revision:	H
Tower Type:	Monopole



Applied Loads		
	Comp.	Uplift
Moment (kip-ft)	5109.99	
Axial Force (kips)	83.91	
Shear Force (kips)	47.44	

Material Properties	
Concrete Strength, f _c :	3 ksi
Rebar Strength, F _y :	60 ksi
Tie Yield Strength, F _{yt} :	40 ksi

Pier Design Data	
Depth	20.5 ft
Ext. Above Grade	1 ft
Pier Section 1	
<i>From 1' above grade to 3' below grade</i>	
Pier Diameter	26.04675 ft
Rebar Quantity	32
Rebar Size	11
Clear Cover to Ties	100.5 in
Tie Size	5
Tie Spacing	6 in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Pier Section 2	
<i>From 3' below grade to 20.5' below grade</i>	
Pier Diameter	7 ft
Rebar Quantity	32
Rebar Size	11
Clear Cover to Ties	4 in
Tie Size	5
Tie Spacing	18 in

Analysis Results		
Soil Lateral Check		
	Compression	Uplift
D _{v=0} (ft from TOC)	6.01	-
Soil Safety Factor	1.40	-
Max Moment (kip-ft)	5362.87	-
Rating*	90.6%	-
Soil Vertical Check		
	Compression	Uplift
Skin Friction (kips)	277.73	-
End Bearing (kips)	1663.01	-
Weight of Concrete (kips)	504.78	-
Total Capacity (kips)	1940.74	-
Axial (kips)	588.69	-
Rating*	28.9%	-
Reinforced Concrete Flexure		
	Compression	Uplift
Critical Depth (ft from TOC)	5.82	-
Critical Moment (kip-ft)	5362.22	-
Critical Moment Capacity	8107.08	-
Rating*	63.0%	-
Reinforced Concrete Shear		
	Compression	Uplift
Critical Depth (ft from TOC)	16.50	-
Critical Shear (kip)	795.50	-
Critical Shear Capacity	2493.80	-
Rating*	30.4%	-

Check Limitation	
Apply TIA-222-H Section 15.5:	<input checked="" type="checkbox"/>
N/A	<input type="checkbox"/>
Additional Longitudinal Rebar	
Input Effective Depths (else Actual):	<input type="checkbox"/>
Shear Design Options	
Check Shear along Depth of Pier:	<input checked="" type="checkbox"/>
Utilize Shear-Friction Methodology:	<input checked="" type="checkbox"/>
Override Critical Depth:	<input type="checkbox"/>

[Go to Soil Calculations](#)

Structural Foundation Rating*	63.0%
Soil Interaction Rating*	90.6%

*Rating per TIA-222-H Section 15.5

Shear-Friction Methodology is Applied

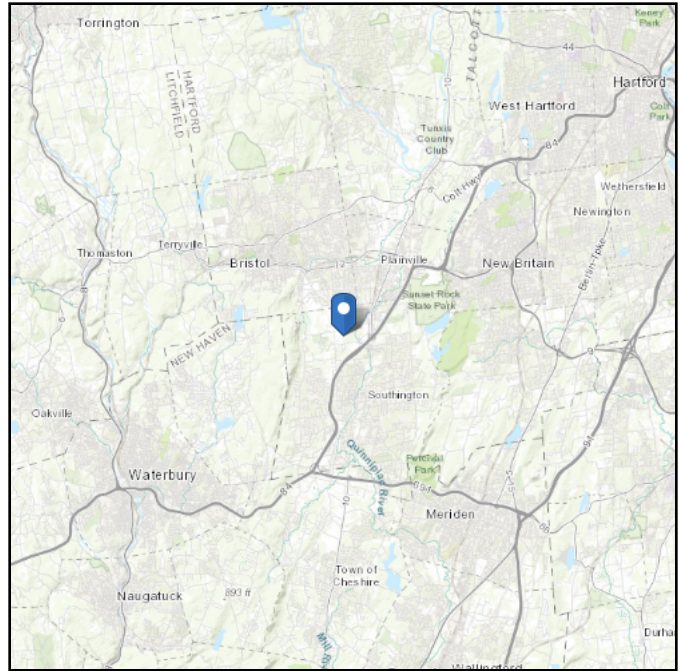
Soil Profile														
Groundwater Depth		N/A		# of Layers		9								
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ _{soil} (pcf)	γ _{concrete} (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Net Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	1	1	100	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	1	2	1	110	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
3	2	3.3	1.3	130	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
4	3.3	5	1.7	130	150	0	36	0.000	0.000	0.00	0.00			Cohesionless
5	5	6	1	130	150	0	36	0.000	0.000	0.65	0.65			Cohesionless
6	6	8	2	120	150	0	30	0.000	0.000	0.90	0.90			Cohesionless
7	8	12.4	4.4	130	150	0	36	0.00	0.00	1.38	1.38			Cohesionless
8	12.4	14.5	2.1	145	150	0	40	0.00	0.00	3.97	3.97			Cohesionless
9	14.5	20.5	6	145	150	0	40	0.00	0.00	0.00	0.00	54.9		Cohesionless

ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 296.07 ft (NAVD 88)
Latitude: 41.632472
Longitude: -72.89425



Wind

Results:

Wind Speed:	121 Vmph
10-year MRI	76 Vmph
25-year MRI	86 Vmph
50-year MRI	92 Vmph
100-year MRI	99 Vmph

125 Mph Ultimate Windspeed Used Per Southington City Amendments

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

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

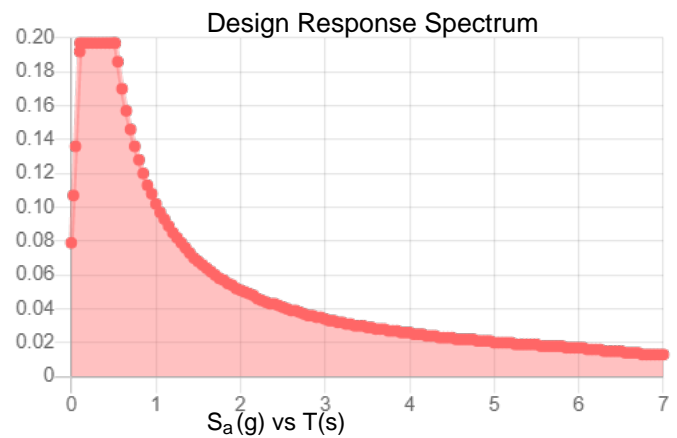
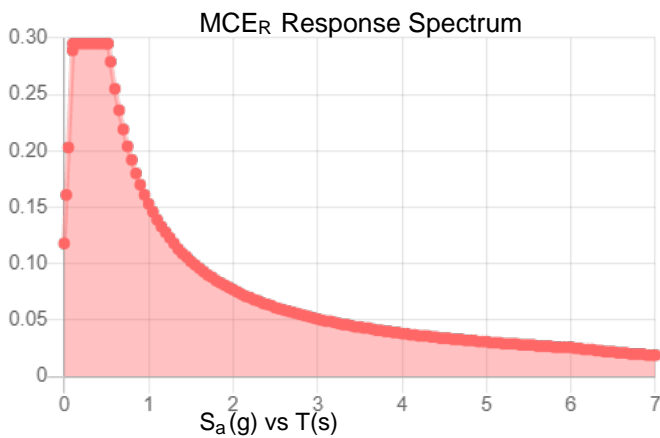
Site is in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class: D - Stiff Soil

Results:

S_S :	0.185	S_{DS} :	0.197
S_1 :	0.064	S_{D1} :	0.102
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.094
S_{MS} :	0.295	PGA _M :	0.151
S_{M1} :	0.153	F _{PGA} :	1.6
		I_e :	1

Seismic Design Category B



Data Accessed:

Fri Aug 20 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: 1.00 in.

Concurrent Temperature: 5 F

Gust Speed: 50 mph

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

Date Accessed: Fri Aug 20 2021

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

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

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

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

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

Exhibit E

Mount Analysis



GPD Engineering And Architecture
Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311



Maser Consulting Contact:
Peter.albano@colliersengineering.com
(856) 371-9457

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10039638
GPD Project #: 2021740.469273.01
Maser Consulting Project #: 21777132

July 1, 2021

Site Information

Site ID: 469273-VZW / SOUTHINGTON CT
Site Name: SOUTHINGTON CT
Carrier Name: Verizon Wireless
Address: 625 SPRING ST
SOUTHINGTON, Connecticut 06489,
Hartford County
Latitude: 41.632472°
Longitude: -72.894250°

Structure Information

Tower Type: 180-Ft Monopole
Mount Type: 14.00-Ft Platform Mount

FUZE ID # 16244077

Analysis Results

Platform Mount: 83.9% 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: Ujwala Karumanchi

Respectfully Submitted:




Christopher J. Scheks, P.E.
Connecticut #: 30026

06/30/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS Site ID: 324871, dated May 27, 2021
Antenna Mount Mapping Form	Hudson Design Group, LLC Site ID: 469273, dated March 24, 2021

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 117 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 1.000
Seismic Parameters:	S_s : 0.193 S_1 : 0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17.0.2)

- 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 GPD.

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Outer	21.1 %	Pass
Face Horizontal	83.9 %	Pass
Inner Horizontal	33.6 %	Pass
Corner Angle	12.2 %	Pass
Bottom Support Rail	43.9 %	Pass
Support Rail Corner Connection	7.1 %	Pass
Support Rail Inner Connection	3.6 %	Pass
Standoff Inner	42.9 %	Pass
Mount Pipe	42.3 %	Pass
Squid Pipe	9.8 %	Pass
Proposed Mount Pipe	26.9 %	Pass
Mount Connection	53.1 %	Pass

Structure Rating – (Controlling Utilization of all Components)	83.9%
---	--------------

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.

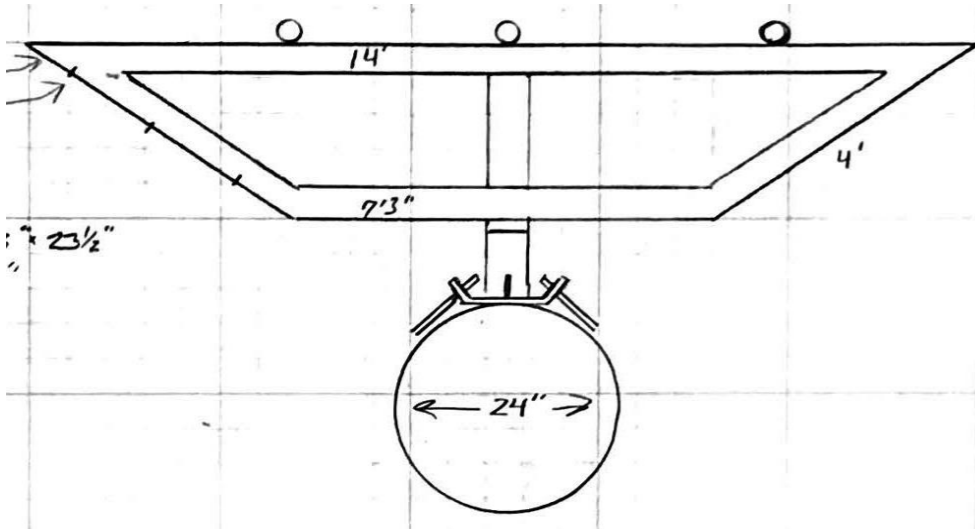
Attachments:

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

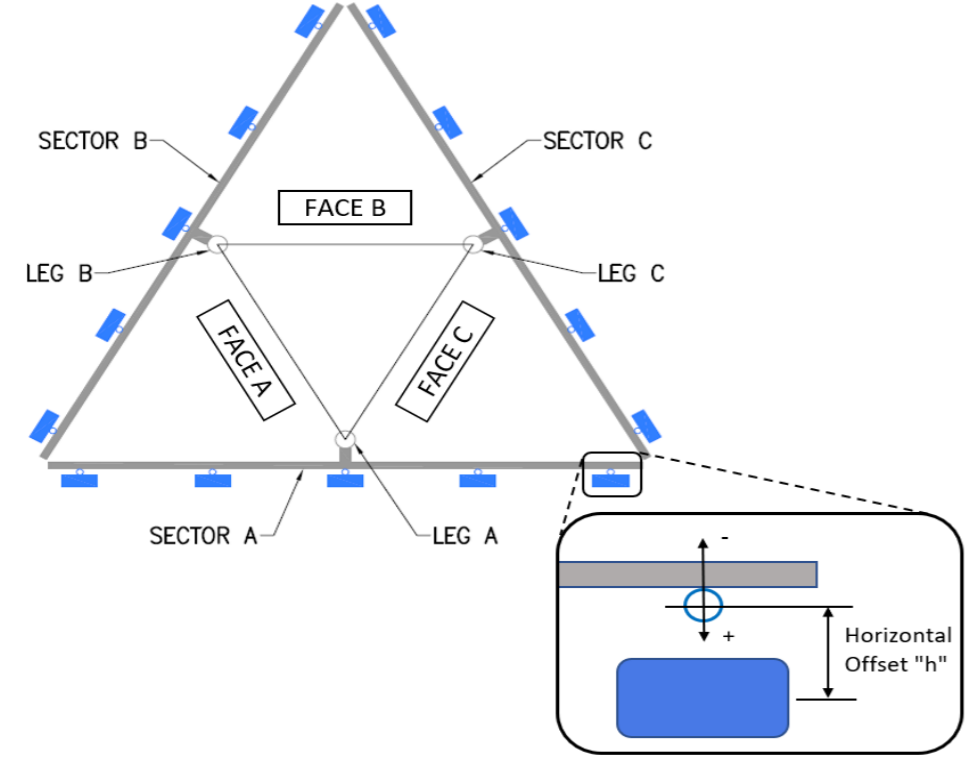


	Antenna Mount Mapping Form (PATENT PENDING)		FCC #	
	Tower Owner:	CROWN CASTLE	Mapping Date:	3/24/2021
	Site Name:	SOUTHINGTON CT	Tower Type:	Monopole
	Site Number or ID:	469273	Tower Height (Ft.):	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (Ft.):	131	

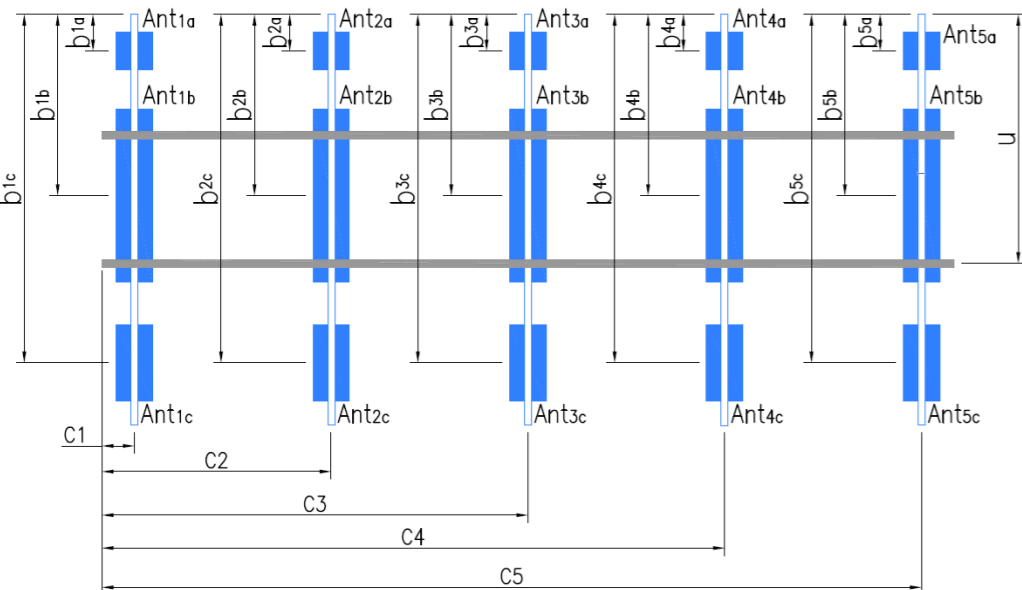
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Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE X 72" LONG	39.00	67.00	C1	2" STD. PIPE X 72" LONG	39.00	67.00
A2	2" STD. PIPE X 72" LONG	39.00	105.00	C2	2" STD. PIPE X 72" LONG	39.00	105.00
A3	2" STD. PIPE X 72" LONG	39.00	142.00	C3	2" STD. PIPE X 72" LONG	39.00	142.00
A4				C4			
A5				C5			
A6				C6			
B1	2" STD. PIPE X 72" LONG	39.00	67.00	D1			
B2	2" STD. PIPE X 72" LONG	39.00	105.00	D2			
B3	2" STD. PIPE X 72" LONG	39.00	142.00	D3			
B4				D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							2.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							3
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional information or comments below.							
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):		24			

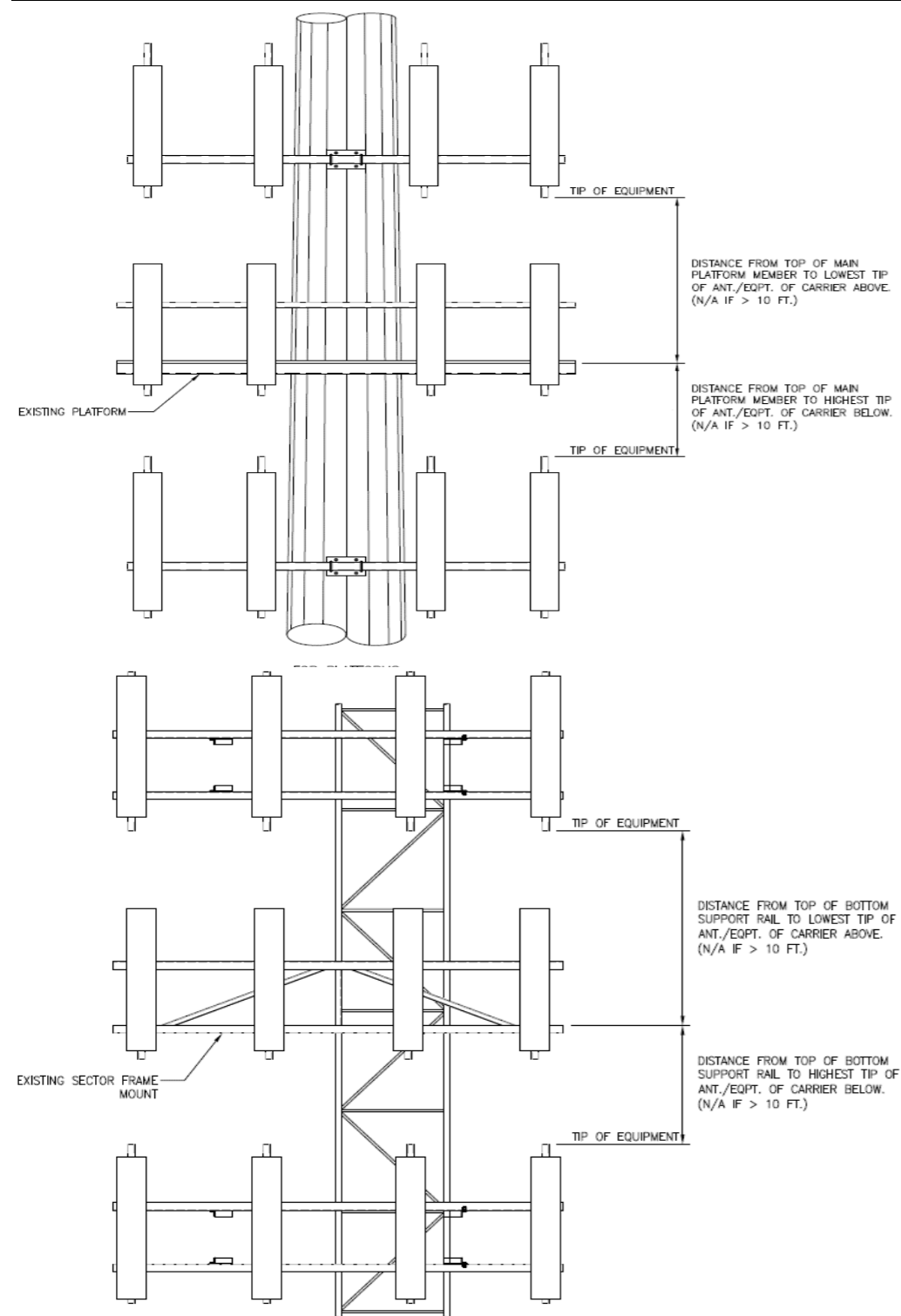


Ants. Items	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances "b _{1a} , b _{2a} , b _{3a} , b _{1b} ..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	
Sector A										
Ant _{1a}										
Ant _{1b}	BXA-70063/6CF	11.00	5.00	71.00		131.083	36.00	12.00	10.00	34,43
Ant _{1c}										
Ant _{2a}	RFV01U-D2A	15.50	12.00	15.50		132.75	16.00	-12.00		37,43
Ant _{2b}	(2) SBNHH-1D65B	12.00	7.50	73.00	(2)	131.083	36.00	12.00	10.00	35,43
Ant _{2c}	RFV01U-D1A	15.50	10.00	15.50		132.75	16.00	-12.00		36,43
Ant _{3a}										
Ant _{3b}	BXA-80080/6CF	8.00	6.00	71.00		131.167	35.00	9.50	10.00	39,43
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										



Antenna Layout (Looking Out From Tower)

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector			Sector B														
Sector A:	40.00	Deg	Leg A:		Deg	Ant _{1a}														
Sector B:	160.00	Deg	Leg B:		Deg	Ant _{1b}	BXA-70063/6CF	11.00	5.00	71.00		131.083	36.00	12.00	150.00	34,45				
Sector C:	280.00	Deg	Leg C:		Deg	Ant _{1c}														
Sector D:		Deg	Leg D:		Deg	Ant _{2a}	RFV01U-D2A	15.50	12.00	15.50		132.75	16.00	-12.00		37,46				
Climbing Facility Information						Ant _{2b}	(2) SBNHH-1D65B	12.00	7.50	73.00		131.083	36.00	12.00	150.00	35,46				
Location:	35.00	Deg	N/A			Ant _{2c}	RFV01U-D1A	15.50	10.00	15.50		132.75	16.00	-12.00		36,46				
Climbing Facility	Corrosion Type:		Good condition.			Ant _{3a}														
	Access:		Climbing path was unobstructed.			Ant _{3b}	BXA-80080/6CF	8.00	6.00	71.00		131.167	35.00	9.50	150.00	39,46				
	Condition:		Good condition.			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																				

Sector C																				
Ant _{1a}																				
Ant _{1b}	BXA-70063/6CF	11.00	5.00	71.00		131.083	36.00	12.00	250.00	34,47										
Ant _{1c}																				
Ant _{2a}	RFV01U-D2A	15.50	12.00	15.50		132.75	16.00	-12.00		37,48										
Ant _{2b}	(2) SBNHH-1D65B	12.00	7.50	73.00		131.083	36.00	12.00	250.00	35,48										
Ant _{2c}	RFV01U-D1A	15.50	10.00	15.50		132.75	16.00	-12.00		36,48										
Ant _{3a}																				
Ant _{3b}	BXA-80080/6CF	8.00	6.00	71.00		131.167	35.00	9.50	250.00	39,48										
Ant _{3c}																				
Ant _{4a}																				
Ant _{4b}																				
Ant _{4c}																				
Ant _{5a}																				
Ant _{5b}																				
Ant _{5c}																				
Ant on Standoff	(2) OVP	15.00	10.00	28.00						40,47-50										
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	(12) 1-5/8"Ø COAX, (2) 1-1/4"Ø HYBRID	94-96, 98-100
3		
4		
5		
6		
7		
8		

Mapping Notes

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

Standard Conditions

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



Antenna Mount Mapping Form (PATENT PENDING)

FCC #

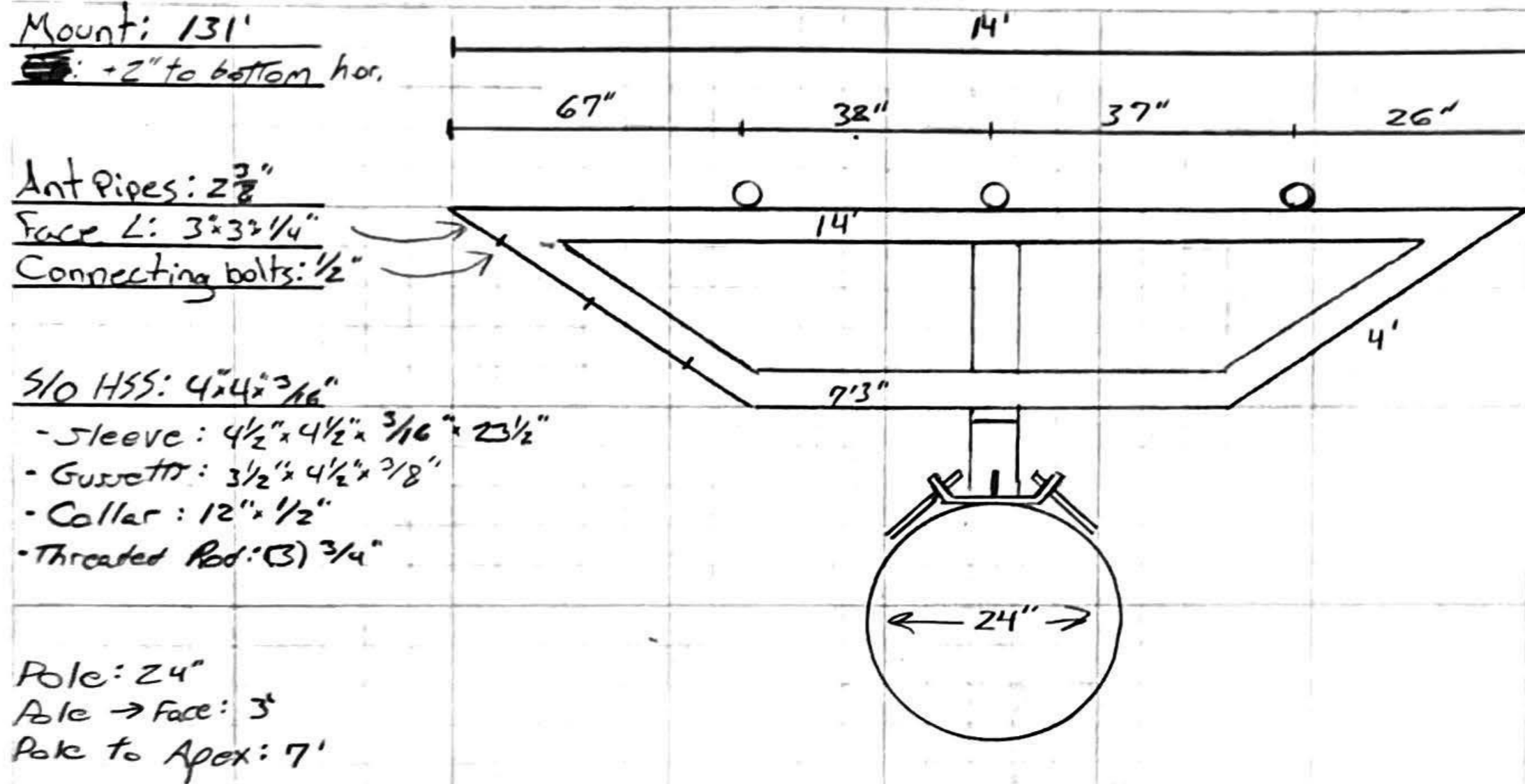
Tower Owner:	CROWN CASTLE	Mapping Date:	3/24/2021
Site Name:	SOUTHINGTON CT	Tower Type:	Monopole
Site Number or ID:	469273	Tower Height (Ft.):	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (Ft.):	131

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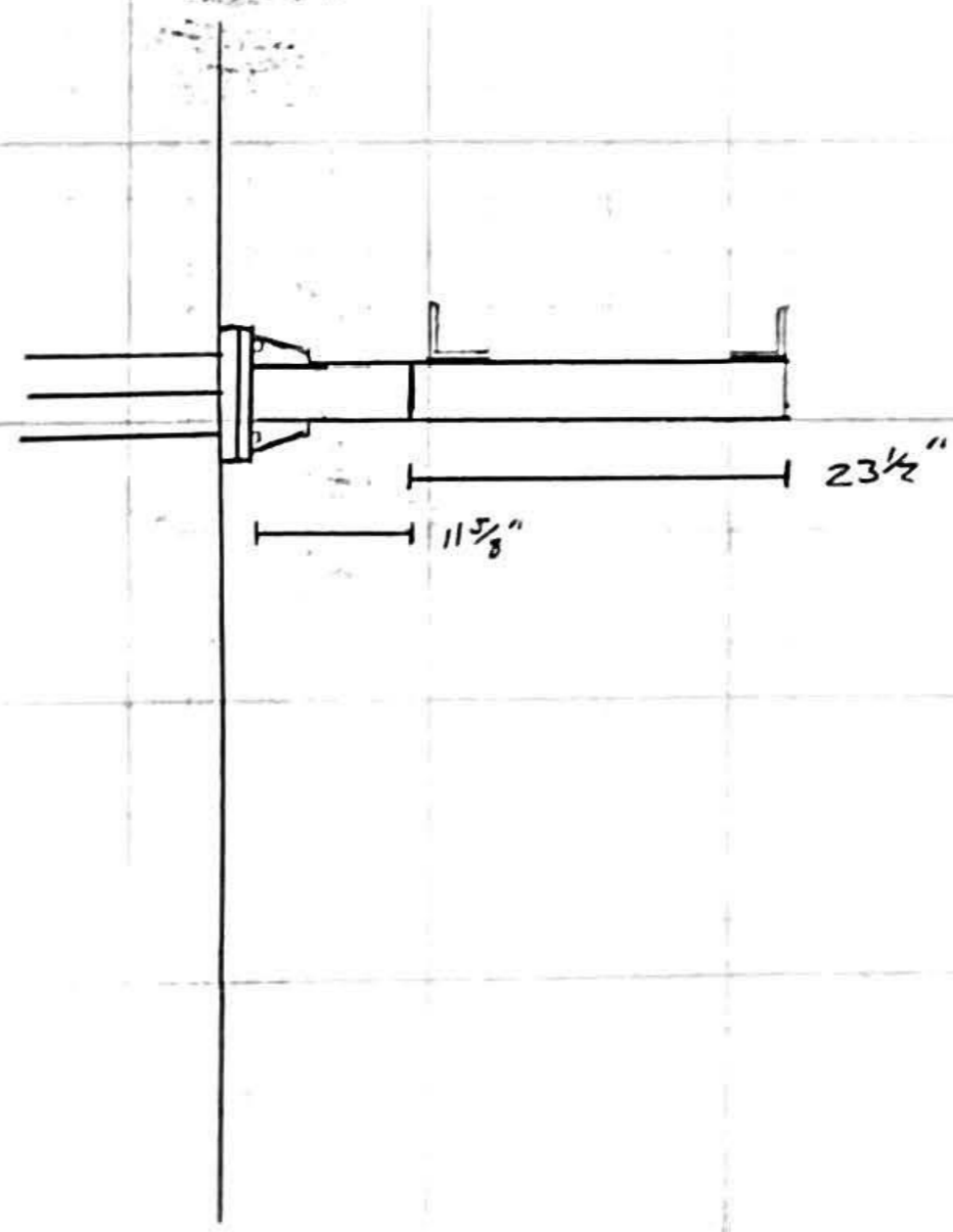
Please Insert Sketches of the Antenna Mount

DATE: 3-24-21
 Project Name: Southington CT
 Project No.: _____
 Design By: Josh Chk'd By: _____ Page _____ of _____

45 BEECHWOOD DRIVE
 NORTH ANDOVER, MA 01845
 TEL: (978) 557-5553
 FAX: (978) 336-5586



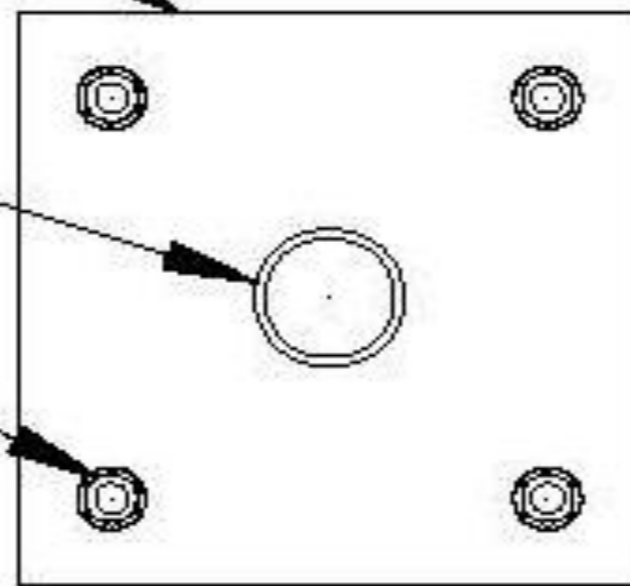
- Inventory
- P1 BXA-70063/6CF
 - P2 (2) JBNHH-1065B
 -REV01U-DIA
 -DZA
 - P3
 BXA20080/6CF
 - (2) OVP



(2) 8"X8"X3/8" THK.
PLATES

2"Ø STD. PIPE

(2) 1/2"Ø BOLTS

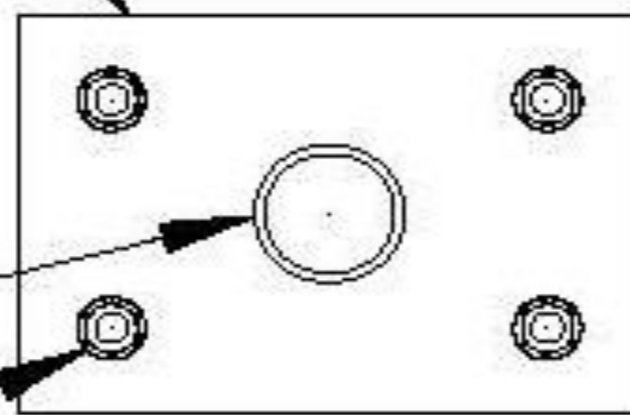


OVP MOUNT DETAIL

(2) 10"X7"X3/4" THK.
PLATES

2"Ø STD. PIPE

(4) BOLTS (TYP.)



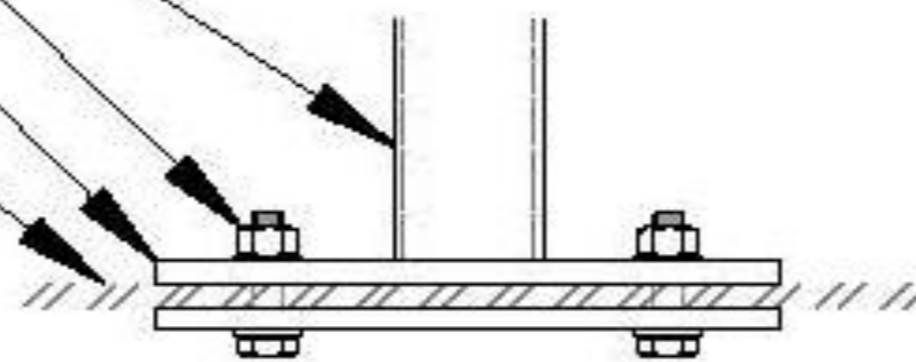
OVP MOUNT DETAIL

2"Ø STD. PIPE

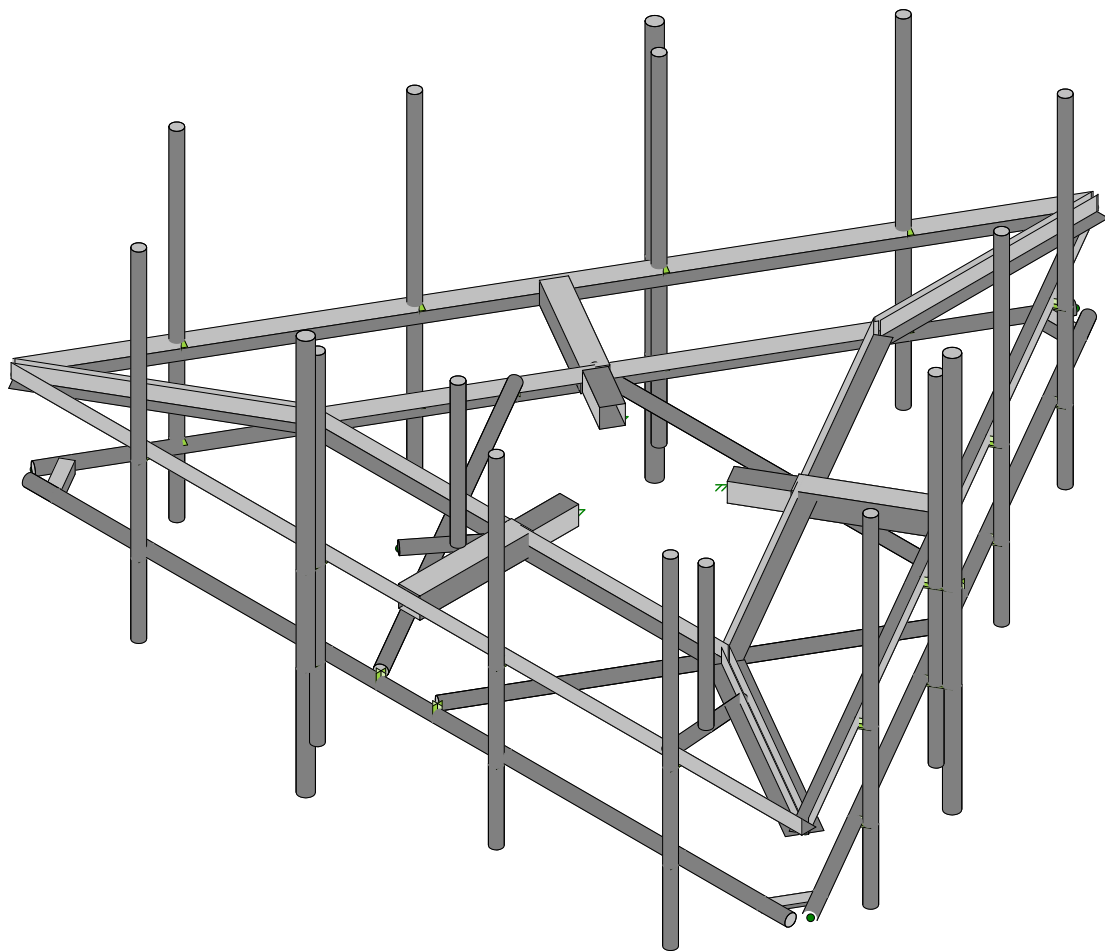
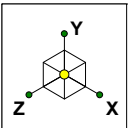
(4) BOLTS (TYP.)

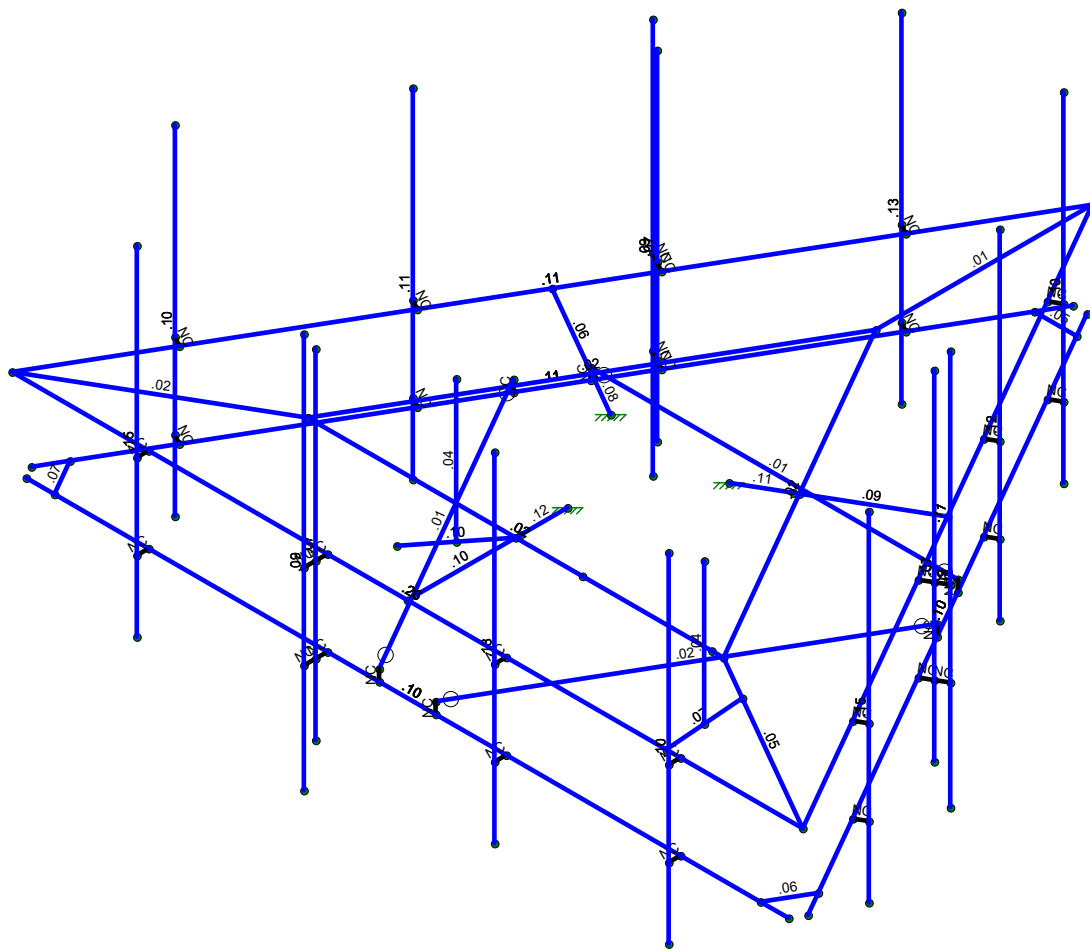
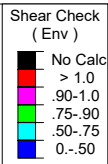
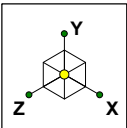
(2) BASE PLATES

EXISTING GRATING



TYP. OVP MOUNT SIDE DETAIL





Basic Load Cases

	BLC Description	Category	X Gravi..	Y Gravi..	Z Gravity	Joint	Point	Distrib...	Area(M...	Surface...
1	Antenna D	None					138			
2	Antenna Di	None					138			
3	Antenna Wo (0 Deg)	None					138			
4	Antenna Wo (30 Deg)	None					138			
5	Antenna Wo (60 Deg)	None					138			
6	Antenna Wo (90 Deg)	None					138			
7	Antenna Wo (120 Deg)	None					138			
8	Antenna Wo (150 Deg)	None					138			
9	Antenna Wo (180 Deg)	None					138			
10	Antenna Wo (210 Deg)	None					138			
11	Antenna Wo (240 Deg)	None					138			
12	Antenna Wo (270 Deg)	None					138			
13	Antenna Wo (300 Deg)	None					138			
14	Antenna Wo (330 Deg)	None					138			
15	Antenna Wi (0 Deg)	None					138			
16	Antenna Wi (30 Deg)	None					138			
17	Antenna Wi (60 Deg)	None					138			
18	Antenna Wi (90 Deg)	None					138			
19	Antenna Wi (120 Deg)	None					138			
20	Antenna Wi (150 Deg)	None					138			
21	Antenna Wi (180 Deg)	None					138			
22	Antenna Wi (210 Deg)	None					138			
23	Antenna Wi (240 Deg)	None					138			
24	Antenna Wi (270 Deg)	None					138			
25	Antenna Wi (300 Deg)	None					138			
26	Antenna Wi (330 Deg)	None					138			
27	Antenna Wm (0 Deg)	None					138			
28	Antenna Wm (30 Deg)	None					138			
29	Antenna Wm (60 Deg)	None					138			
30	Antenna Wm (90 Deg)	None					138			
31	Antenna Wm (120 Deg)	None					138			
32	Antenna Wm (150 Deg)	None					138			
33	Antenna Wm (180 Deg)	None					138			
34	Antenna Wm (210 Deg)	None					138			
35	Antenna Wm (240 Deg)	None					138			
36	Antenna Wm (270 Deg)	None					138			
37	Antenna Wm (300 Deg)	None					138			
38	Antenna Wm (330 Deg)	None					138			
39	Structure D	None		-1					3	
40	Structure Di	None						43	3	
41	Structure Wo (0 Deg)	None						86		
42	Structure Wo (30 Deg)	None						86		
43	Structure Wo (60 Deg)	None						86		
44	Structure Wo (90 Deg)	None						86		
45	Structure Wo (120 Deg)	None						86		
46	Structure Wo (150 Deg)	None						86		
47	Structure Wo (180 Deg)	None						86		
48	Structure Wo (210 Deg)	None						86		
49	Structure Wo (240 Deg)	None						86		
50	Structure Wo (270 Deg)	None						86		
51	Structure Wo (300 Deg)	None						86		
52	Structure Wo (330 Deg)	None						86		
53	Structure Wi (0 Deg)	None						86		
54	Structure Wi (30 Deg)	None						86		
55	Structure Wi (60 Deg)	None						86		
56	Structure Wi (90 Deg)	None						86		



Load Combinations (Continued)

Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...
27	1.2D + 1.5Lm1 + 1.0Wm (6...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1								
28	1.2D + 1.5Lm1 + 1.0Wm (9...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1								
29	1.2D + 1.5Lm1 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1								
30	1.2D + 1.5Lm1 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1								
31	1.2D + 1.5Lm1 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1								
32	1.2D + 1.5Lm1 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1								
33	1.2D + 1.5Lm1 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1								
34	1.2D + 1.5Lm1 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1								
35	1.2D + 1.5Lm1 + 1.0Wm (3...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1								
36	1.2D + 1.5Lm1 + 1.0Wm (3...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1								
37	1.2D + 1.5Lm2 + 1.0Wm (0...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1								
38	1.2D + 1.5Lm2 + 1.0Wm (3...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1								
39	1.2D + 1.5Lm2 + 1.0Wm (6...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1								
40	1.2D + 1.5Lm2 + 1.0Wm (9...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1								
41	1.2D + 1.5Lm2 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1								
42	1.2D + 1.5Lm2 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1								
43	1.2D + 1.5Lm2 + 1.0Wm (1...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1								
44	1.2D + 1.5Lm2 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1								
45	1.2D + 1.5Lm2 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1								
46	1.2D + 1.5Lm2 + 1.0Wm (2...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1								
47	1.2D + 1.5Lm2 + 1.0Wm (3...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1								
48	1.2D + 1.5Lm2 + 1.0Wm (3...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1								
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5												
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5												
51	1.4D	Yes	Y		1	1.4	39	1.4														
52	Seismic Mass		Y		1	1	39	1														
53	1.2D + 1.0Ev + 1.0Eh (0 De...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1								
54	1.2D + 1.0Ev + 1.0Eh (30 D...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-8...								
55	1.2D + 1.0Ev + 1.0Eh (60 D...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5								
56	1.2D + 1.0Ev + 1.0Eh (90 D...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ									
57	1.2D + 1.0Ev + 1.0Eh (120 ...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5								
58	1.2D + 1.0Ev + 1.0Eh (150 ...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866								
59	1.2D + 1.0Ev + 1.0Eh (180 ...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1								
60	1.2D + 1.0Ev + 1.0Eh (210 ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866								
61	1.2D + 1.0Ev + 1.0Eh (240 ...		Y		1	1.2	39	1.2	SX	-8...	SY	1	SZ	.5								
62	1.2D + 1.0Ev + 1.0Eh (270 ...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ									
63	1.2D + 1.0Ev + 1.0Eh (300 ...		Y		1	1.2	39	1.2	SX	-8...	SY	1	SZ	-.5								
64	1.2D + 1.0Ev + 1.0Eh (330 ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-8...								

Joint Coordinates and Temperatures

Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	-7	0	4.041452	0
2	N2	-0.	0	-8.082904	0
3	N3	-0.	0	-4.24957	0
4	N4	-3.680236	0	2.124785	0
5	N44	7	0	4.041452	0
6	N45	3.680236	0	2.124785	0
7	N13	3.5	0	-2.020726	0
8	N16	0	0	4.041452	0
9	N97A	0	0	1.208119	0
10	N32	4.833333	0	4.041452	0
11	N34	4.833333	0	4.249785	0
12	N103	0	0	2.041452	0
13	N95A	-3.5	0	-2.020726	0
14	N96A	-1.046261	0	-0.604059	0



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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N97B	-1.767949	0	-1.020726	0	
16	N99A	1.046261	0	-0.604059	0	
17	N100A	1.767949	0	-1.020726	0	
18	N18	-6.75	-1.5	4.041452	0	
19	N19	6.75	-1.5	4.041452	0	
20	N20	-0.125	-1.5	-7.866397	0	
21	N21	-6.875	-1.5	3.824946	0	
22	N22	6.875	-1.5	3.824946	0	
23	N23	0.125	-1.5	-7.866397	0	
24	N24	6.25	-1.5	4.041452	0	
25	N25	-6.25	-1.5	4.041452	0	
26	N26	-6.625	-1.5	3.391933	0	
27	N27	-0.375	-1.5	-7.433385	0	
28	N28	0.375	-1.5	-7.433385	0	
29	N29	6.625	-1.5	3.391933	0	
30	N30	-5	-1.5	4.041452	0	
31	N31	.5	-1.5	4.041452	0	
32	N32A	-3.25	-1.5	-2.453739	0	
33	N33	-3.75	-1.5	-1.587713	0	
34	N34A	3.75	-1.5	-1.587713	0	
35	N35	3.25	-1.5	-2.453739	0	
36	N36	-5	-1.302083	4.041452	0	
37	N37	.5	-1.302083	4.041452	0	
38	N38	-3.25	-1.302083	-2.453739	0	
39	N39	-3.75	-1.302083	-1.587713	0	
40	N40	3.75	-1.302083	-1.587713	0	
41	N41	3.25	-1.302083	-2.453739	0	
42	N42	4.833333	-1.5	4.041452	0	
43	N43	4.833333	-1.5	4.249785	0	
44	N44A	4.833333	3.25	4.249785	0	
45	N45A	4.833333	-2.75	4.249785	0	
46	N46	1.75	0	4.041452	0	
47	N47	1.75	0	4.249785	0	
48	N48	1.75	-1.5	4.041452	0	
49	N49	1.75	-1.5	4.249785	0	
50	N50	1.75	3.25	4.249785	0	
51	N51	1.75	-2.75	4.249785	0	
52	N52	-1.416667	0	4.041452	0	
53	N53	-1.416667	0	4.249785	0	
54	N54	-1.416667	-1.5	4.041452	0	
55	N55	-1.416667	-1.5	4.249785	0	
56	N58	-4.583333	0	4.041452	0	
57	N59	-4.583333	0	4.249785	0	
58	N60	-4.583333	-1.5	4.041452	0	
59	N61	-4.583333	-1.5	4.249785	0	
60	N62	-4.583333	3.25	4.249785	0	
61	N63	-4.583333	-2.75	4.249785	0	
62	N64	-5.916667	0	2.165064	0	
63	N65	-6.097089	0	2.060897	0	
64	N66	-5.916667	-1.5	2.165064	0	
65	N67	-6.097089	-1.5	2.060897	0	
66	N68	-6.097089	3.25	2.060897	0	
67	N69	-6.097089	-2.75	2.060897	0	
68	N70	-4.375	0	-0.505181	0	
69	N71	-4.555422	0	-0.609348	0	
70	N72	-4.375	-1.5	-0.505181	0	
71	N73	-4.555422	-1.5	-0.609348	0	



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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N74	-4.555422	3.25	-0.609348	0	
73	N75	-4.555422	-2.75	-0.609348	0	
74	N82	-1.208333	0	-5.990009	0	
75	N83	-1.388755	0	-6.094176	0	
76	N84	-1.208333	-1.5	-5.990009	0	
77	N85	-1.388755	-1.5	-6.094176	0	
78	N86	-1.388755	3.25	-6.094176	0	
79	N87	-1.388755	-2.75	-6.094176	0	
80	N88	1.083333	0	-6.206515	0	
81	N89	1.263755	0	-6.310682	0	
82	N90	1.083333	-1.5	-6.206515	0	
83	N91	1.263755	-1.5	-6.310682	0	
84	N92	1.263755	3.25	-6.310682	0	
85	N93	1.263755	-2.75	-6.310682	0	
86	N94	2.625	0	-3.53627	0	
87	N95	2.805422	0	-3.640437	0	
88	N96	2.625	-1.5	-3.53627	0	
89	N97	2.805422	-1.5	-3.640437	0	
90	N98	2.805422	3.25	-3.640437	0	
91	N99	2.805422	-2.75	-3.640437	0	
92	N106	5.791667	0	1.948557	0	
93	N107	5.972089	0	1.84439	0	
94	N108	5.791667	-1.5	1.948557	0	
95	N109	5.972089	-1.5	1.84439	0	
96	N110	5.972089	3.25	1.84439	0	
97	N111	5.972089	-2.75	1.84439	0	
98	N112	3.471903	0	2.124785	0	
99	N113	1.180236	0	2.124785	0	
100	N114	4.525903	-0.000083	3.310785	0	
101	N115	-0.463324	-0.	2.713624	0	
102	N116	4.525903	2.499917	3.310785	0	
103	N117	-0.463324	2.5	2.713624	0	
104	N118	0	0	2.124785	0	
105	N119	-1.840118	0	-1.062393	0	
106	N120	1.840118	0	-1.062393	0	
107	N121	4.583333	0	4.04145	0	
108	N122	4.468829	0	2.580079	0	
109	N123	-0.926653	0	3.302465	0	
110	N127	-1.416667	0	4.458119	0	
111	N128	-1.416667	-1.5	4.458119	0	
112	N126	-1.416667	3.583333	4.458119	0	
113	N127A	-1.416667	-3.416667	4.458119	0	
114	N126A	-1.416667	3.25	4.249785	0	
115	N127B	-1.416667	-2.75	4.249785	0	
116	N116A	-2.791667	0	-3.247595	0	
117	N117A	-2.972089	0	-3.351762	0	
118	N118A	-2.791667	-1.5	-3.247595	0	
119	N119A	-2.972089	-1.5	-3.351762	0	
120	N120A	-3.152511	0	-3.455929	0	
121	N121A	-3.152511	-1.5	-3.455929	0	
122	N122A	-3.152511	3.583333	-3.455929	0	
123	N123A	-3.152511	-3.416667	-3.455929	0	
124	N124	-2.972089	3.25	-3.351762	0	
125	N125	-2.972089	-2.75	-3.351762	0	
126	N126B	4.208333	0	-0.793857	0	
127	N127C	4.388755	0	-0.898023	0	
128	N128A	4.208333	-1.5	-0.793857	0	



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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N129	4.388755	-1.5	-0.898023	0	
130	N130	4.569177	0	-1.00219	0	
131	N131	4.569177	-1.5	-1.00219	0	
132	N132	4.569177	3.583333	-1.00219	0	
133	N133	4.569177	-3.416667	-1.00219	0	
134	N134	4.388755	3.25	-0.898023	0	
135	N135	4.388755	-2.75	-0.898023	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design ...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	L3X3X4	None	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
2	Inner Horizontal	L3X3X4	None	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
3	Corner Angle	LL3x3x4x0	None	None	A36 Gr.36	Typical	2.88	4.5	2.46	.063
4	Bottom Support Rail	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
5	Mount Pipe	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
6	Support Rail Inner Connection	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Support Rail Corner Connecti...	L2.5x2.5x4	None	None	A36 Gr.36	Typical	1.19	.692	.692	.026
8	Standoff Outer	HSS4.5X4.5X4	None	None	A500 Gr.B Rect	Typical	3.84	11.4	11.4	18.5
9	Standoff Inner	HSS4X4X4	None	None	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
10	Proposed Mount Pipe	PIPE_2.5	None	None	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	Squid Pipe	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
12	Connection Member	PIPE_2.0	None	None	Low	Typical	1.02	.627	.627	1.25

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (\1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Low	5000	11154	.3	.65	.49	36	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Ru...
1	ASO	N16	N103		90	Standoff Outer	None	None	A500 Gr.B Rect	Typical
2	M1	N1	N2			Face Horizontal	None	None	A36 Gr.36	Typical
3	M2	N3	N4			Inner Horizontal	None	None	A36 Gr.36	Typical
4	M3	N4	N1		180	Corner Angle	None	None	A36 Gr.36	Typical
5	M4	N2	N44			Face Horizontal	None	None	A36 Gr.36	Typical
6	M5	N45	N3			Inner Horizontal	None	None	A36 Gr.36	Typical
7	M6	N3	N2		180	Corner Angle	None	None	A36 Gr.36	Typical
8	M7	N44	N1			Face Horizontal	None	None	A36 Gr.36	Typical
9	M8	N4	N45			Inner Horizontal	None	None	A36 Gr.36	Typical
10	M9	N45	N44		180	Corner Angle	None	None	A36 Gr.36	Typical
11	M17	N19	N18			Bottom Support Rail	None	None	A53 Gr.B	Typical
12	M18	N21	N20			Bottom Support Rail	None	None	A53 Gr.B	Typical
13	M19	N23	N22			Bottom Support Rail	None	None	A53 Gr.B	Typical
14	M20	N32	N34			RIGID	None	None	RIGID	Typical
15	M20A	N24	N29		90	Support Rail Corner Conn...	None	None	A36 Gr.36	Typical
16	M21	N26	N25		90	Support Rail Corner Conn...	None	None	A36 Gr.36	Typical



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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Ru...
17	M22	N28	N27		90	Support Rail Corner Conn...	None	None	A36 Gr.36	Typical
18	M26	N40	N37			Support Rail Inner Connec...	None	None	A53 Gr.B	Typical
19	M26A	N32A	N38		180	RIGID	None	None	RIGID	Typical
20	M27	N36	N39			Support Rail Inner Connec...	None	None	A53 Gr.B	Typical
21	M27A	N35	N41		180	RIGID	None	None	RIGID	Typical
22	M28	N38	N41			Support Rail Inner Connec...	None	None	A53 Gr.B	Typical
23	M28A	N34A	N40		180	RIGID	None	None	RIGID	Typical
24	M29	N31	N37		180	RIGID	None	None	RIGID	Typical
25	M30	N30	N36		180	RIGID	None	None	RIGID	Typical
26	M31	N33	N39		180	RIGID	None	None	RIGID	Typical
27	M32	N42	N43			RIGID	None	None	RIGID	Typical
28	M34	N46	N47			RIGID	None	None	RIGID	Typical
29	M35	N48	N49			RIGID	None	None	RIGID	Typical
30	M37	N52	N53			RIGID	None	None	RIGID	Typical
31	M38	N54	N55			RIGID	None	None	RIGID	Typical
32	M40	N58	N59			RIGID	None	None	RIGID	Typical
33	M41	N60	N61			RIGID	None	None	RIGID	Typical
34	M43	N64	N65			RIGID	None	None	RIGID	Typical
35	M44	N66	N67			RIGID	None	None	RIGID	Typical
36	M46	N70	N71			RIGID	None	None	RIGID	Typical
37	M47	N72	N73			RIGID	None	None	RIGID	Typical
38	M52	N82	N83			RIGID	None	None	RIGID	Typical
39	M53	N84	N85			RIGID	None	None	RIGID	Typical
40	M54	N95A	N97B		90	Standoff Outer	None	None	A500 Gr.B Rect	Typical
41	M55	N103	N97A			Standoff Inner	None	None	A500 Gr.B Rect	Typical
42	M55A	N97B	N96A			Standoff Inner	None	None	A500 Gr.B Rect	Typical
43	M55B	N88	N89			RIGID	None	None	RIGID	Typical
44	M56	N13	N100A		90	Standoff Outer	None	None	A500 Gr.B Rect	Typical
45	M56A	N90	N91			RIGID	None	None	RIGID	Typical
46	M57	N100A	N99A			Standoff Inner	None	None	A500 Gr.B Rect	Typical
47	M58	N94	N95			RIGID	None	None	RIGID	Typical
48	M59	N96	N97			RIGID	None	None	RIGID	Typical
49	M64	N106	N107			RIGID	None	None	RIGID	Typical
50	M65	N108	N109			RIGID	None	None	RIGID	Typical
51	MP1A	N44A	N45A			Mount Pipe	None	None	A53 Gr.B	Typical
52	MP1B	N68	N69			Mount Pipe	None	None	A53 Gr.B	Typical
53	MP1C	N92	N93			Mount Pipe	None	None	A53 Gr.B	Typical
54	MP2A	N50	N51			Mount Pipe	None	None	A53 Gr.B	Typical
55	MP2B	N74	N75			Mount Pipe	None	None	A53 Gr.B	Typical
56	MP2C	N98	N99			Mount Pipe	None	None	A53 Gr.B	Typical
57	MP4A	N62	N63			Mount Pipe	None	None	A53 Gr.B	Typical
58	MP4B	N86	N87			Mount Pipe	None	None	A53 Gr.B	Typical
59	MP4C	N110	N111			Mount Pipe	None	None	A53 Gr.B	Typical
60	SP2	N115	N117			Squid Pipe	None	None	A53 Gr.B	Typical
61	SP1	N114	N116			Squid Pipe	None	None	A53 Gr.B	Typical
62	M71	N121	N122			Connection Member	None	None	Low	Typical
63	M72	N123	N118			Connection Member	None	None	Low	Typical
64	M71A	N53	N127			RIGID	None	None	RIGID	Typical
65	M72A	N55	N128			RIGID	None	None	RIGID	Typical
66	MP3A	N126	N127A			Proposed Mount Pipe	None	None	A53 Gr.B	Typical
67	M73A	N126A	N127B			Mount Pipe	None	None	A53 Gr.B	Typical
68	M68	N116A	N117A			RIGID	None	None	RIGID	Typical
69	M69	N118A	N119A			RIGID	None	None	RIGID	Typical
70	M70	N117A	N120A			RIGID	None	None	RIGID	Typical
71	M71B	N119A	N121A			RIGID	None	None	RIGID	Typical
72	MP3B	N122A	N123A			Proposed Mount Pipe	None	None	A53 Gr.B	Typical
73	M73	N124	N125			Mount Pipe	None	None	A53 Gr.B	Typical



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 Designer : Karumanchi, Ujwala
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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Ru...
74	M74	N126B	N127C			RIGID	None	None	RIGID	Typical
75	M75	N128A	N129			RIGID	None	None	RIGID	Typical
76	M76	N127C	N130			RIGID	None	None	RIGID	Typical
77	M77	N129	N131			RIGID	None	None	RIGID	Typical
78	MP3C	N132	N133			Proposed Mount Pipe	None	None	A53 Gr.B	Typical
79	M79	N134	N135			Mount Pipe	None	None	A53 Gr.B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ratio	Options	Analysis...	Inactive	Seismi...
1	ASO						Yes	**	NA	**		None
2	M1						Yes	**	NA	**		None
3	M2						Yes	**	NA	**		None
4	M3						Yes	**	NA	**		None
5	M4						Yes	**	NA	**		None
6	M5						Yes	**	NA	**		None
7	M6						Yes	**	NA	**		None
8	M7						Yes	**	NA	**		None
9	M8						Yes	**	NA	**		None
10	M9						Yes	**	NA	**		None
11	M17						Yes	**	NA	**		None
12	M18						Yes	**	NA	**		None
13	M19						Yes	**	NA	**		None
14	M20						Yes	**	NA	**		None
15	M20A						Yes	**	NA	**		None
16	M21						Yes	**	NA	**		None
17	M22						Yes	**	NA	**		None
18	M26	BenPIN	BenPIN				Yes	**	NA	**		None
19	M26A						Yes	**	NA	**		None
20	M27	BenPIN	BenPIN				Yes	**	NA	**		None
21	M27A						Yes	**	NA	**		None
22	M28	BenPIN	BenPIN				Yes	**	NA	**		None
23	M28A						Yes	**	NA	**		None
24	M29						Yes	**	NA	**		None
25	M30						Yes	**	NA	**		None
26	M31						Yes	**	NA	**		None
27	M32						Yes	**	NA	**		None
28	M34						Yes	**	NA	**		None
29	M35						Yes	**	NA	**		None
30	M37						Yes	**	NA	**		None
31	M38						Yes	**	NA	**		None
32	M40						Yes	**	NA	**		None
33	M41						Yes	**	NA	**		None
34	M43						Yes	**	NA	**		None
35	M44						Yes	**	NA	**		None
36	M46						Yes	**	NA	**		None
37	M47						Yes	**	NA	**		None
38	M52						Yes	**	NA	**		None
39	M53						Yes	**	NA	**		None
40	M54						Yes	**	NA	**		None
41	M55						Yes	**	NA	**		None
42	M55A						Yes	**	NA	**		None
43	M55B						Yes	**	NA	**		None
44	M56						Yes	**	NA	**		None
45	M56A						Yes	**	NA	**		None
46	M57						Yes	**	NA	**		None



Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ratio	Options	Analysis...	Inactive	Seismi...
47	M58						Yes	**	NA **			None
48	M59						Yes	**	NA **			None
49	M64						Yes	**	NA **			None
50	M65						Yes	**	NA **			None
51	MP1A						Yes	**	NA **			None
52	MP1B						Yes	**	NA **			None
53	MP1C						Yes	**	NA **			None
54	MP2A						Yes	**	NA **			None
55	MP2B						Yes	**	NA **			None
56	MP2C						Yes	**	NA **			None
57	MP4A						Yes	**	NA **			None
58	MP4B						Yes	**	NA **			None
59	MP4C						Yes	**	NA **			None
60	SP2						Yes	**	NA **			None
61	SP1						Yes	**	NA **			None
62	M71						Yes	**	NA **			None
63	M72						Yes	**	NA **			None
64	M71A						Yes	**	NA **			None
65	M72A						Yes	**	NA **			None
66	MP3A						Yes	**	NA **			None
67	M73A						Yes	**	NA **			None
68	M68						Yes	**	NA **			None
69	M69						Yes	**	NA **			None
70	M70						Yes	**	NA **			None
71	M71B						Yes	**	NA **			None
72	MP3B						Yes	**	NA **			None
73	M73						Yes	**	NA **			None
74	M74						Yes	**	NA **			None
75	M75						Yes	**	NA **			None
76	M76						Yes	**	NA **			None
77	M77						Yes	**	NA **			None
78	MP3C						Yes	**	NA **			None
79	M79						Yes	**	NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-11	1
2	MP2A	My	-.009	1
3	MP2A	Mz	.002	1
4	MP2A	Y	-11	5.5
5	MP2A	My	-.009	5.5
6	MP2A	Mz	.002	5.5
7	MP2B	Y	-11	1
8	MP2B	My	.005	1
9	MP2B	Mz	-.008	1
10	MP2B	Y	-11	5.5
11	MP2B	My	.005	5.5
12	MP2B	Mz	-.008	5.5
13	MP2C	Y	-11	1
14	MP2C	My	.007	1
15	MP2C	Mz	.006	1
16	MP2C	Y	-11	5.5
17	MP2C	My	.007	5.5
18	MP2C	Mz	.006	5.5
19	MP1A	Y	-42.2	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
20	MP1A	My	.041	1.5
21	MP1A	Mz	-.011	1.5
22	MP1A	Y	-42.2	1.5
23	MP1A	My	.041	1.5
24	MP1A	Mz	-.011	1.5
25	MP1B	Y	-42.2	1.5
26	MP1B	My	-.021	1.5
27	MP1B	Mz	.037	1.5
28	MP1B	Y	-42.2	1.5
29	MP1B	My	-.021	1.5
30	MP1B	Mz	.037	1.5
31	MP1C	Y	-42.2	1.5
32	MP1C	My	-.032	1.5
33	MP1C	Mz	-.027	1.5
34	MP1C	Y	-42.2	1.5
35	MP1C	My	-.032	1.5
36	MP1C	Mz	-.027	1.5
37	MP1A	Y	-35.15	4
38	MP1A	My	.034	4
39	MP1A	Mz	-.009	4
40	MP1A	Y	-35.15	4
41	MP1A	My	.034	4
42	MP1A	Mz	-.009	4
43	MP1B	Y	-35.15	4
44	MP1B	My	-.018	4
45	MP1B	Mz	.03	4
46	MP1B	Y	-35.15	4
47	MP1B	My	-.018	4
48	MP1B	Mz	.03	4
49	MP1C	Y	-35.15	4
50	MP1C	My	-.027	4
51	MP1C	Mz	-.023	4
52	MP1C	Y	-35.15	4
53	MP1C	My	-.027	4
54	MP1C	Mz	-.023	4
55	SP1	Y	-16	1
56	SP1	My	-.006	1
57	SP1	Mz	-.005	1
58	SP1	Y	-16	1
59	SP1	My	-.006	1
60	SP1	Mz	-.005	1
61	MP3A	Y	-21.85	1
62	MP3A	My	-.022	1
63	MP3A	Mz	-.013	1
64	MP3A	Y	-21.85	5.5
65	MP3A	My	-.022	5.5
66	MP3A	Mz	-.013	5.5
67	MP3B	Y	-21.85	1
68	MP3B	My	.025	1
69	MP3B	Mz	-.007	1
70	MP3B	Y	-21.85	5.5
71	MP3B	My	.025	5.5
72	MP3B	Mz	-.007	5.5
73	MP3C	Y	-21.85	1
74	MP3C	My	.002	1
75	MP3C	Mz	.026	1
76	MP3C	Y	-21.85	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
77	MP3C	My	.002	5.5
78	MP3C	Mz	.026	5.5
79	MP3A	Y	-32.3	1
80	MP3A	My	-.019	1
81	MP3A	Mz	.033	1
82	MP3A	Y	-32.3	5.5
83	MP3A	My	-.019	5.5
84	MP3A	Mz	.033	5.5
85	MP3B	Y	-32.3	1
86	MP3B	My	-.01	1
87	MP3B	Mz	-.037	1
88	MP3B	Y	-32.3	5.5
89	MP3B	My	-.01	5.5
90	MP3B	Mz	-.037	5.5
91	MP3C	Y	-32.3	1
92	MP3C	My	.038	1
93	MP3C	Mz	-.003	1
94	MP3C	Y	-32.3	5.5
95	MP3C	My	.038	5.5
96	MP3C	Mz	-.003	5.5
97	MP4A	Y	-43.55	1.6
98	MP4A	My	-.035	1.6
99	MP4A	Mz	.009	1.6
100	MP4A	Y	-43.55	4.46
101	MP4A	My	-.035	4.46
102	MP4A	Mz	.009	4.46
103	MP4B	Y	-43.55	1.6
104	MP4B	My	.018	1.6
105	MP4B	Mz	-.031	1.6
106	MP4B	Y	-43.55	4.46
107	MP4B	My	.018	4.46
108	MP4B	Mz	-.031	4.46
109	MP4C	Y	-43.55	1.6
110	MP4C	My	.028	1.6
111	MP4C	Mz	.023	1.6
112	MP4C	Y	-43.55	4.46
113	MP4C	My	.028	4.46
114	MP4C	Mz	.023	4.46
115	MP4A	Y	-9.35	1.5
116	MP4A	My	.009	1.5
117	MP4A	Mz	-.002	1.5
118	MP4A	Y	-9.35	1.5
119	MP4A	My	.009	1.5
120	MP4A	Mz	-.002	1.5
121	MP4B	Y	-9.35	1.5
122	MP4B	My	-.005	1.5
123	MP4B	Mz	.008	1.5
124	MP4B	Y	-9.35	1.5
125	MP4B	My	-.005	1.5
126	MP4B	Mz	.008	1.5
127	MP4C	Y	-9.35	1.5
128	MP4C	My	-.007	1.5
129	MP4C	Mz	-.006	1.5
130	MP4C	Y	-9.35	1.5
131	MP4C	My	-.007	1.5
132	MP4C	Mz	-.006	1.5
133	SP2	Y	-16	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
134	SP2	My	-0.06	1
135	SP2	Mz	-0.05	1
136	SP2	Y	-16	1
137	SP2	My	-0.06	1
138	SP2	Mz	-0.05	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	Y	-50.66	1
2	MP2A	My	-0.41	1
3	MP2A	Mz	.011	1
4	MP2A	Y	-50.66	5.5
5	MP2A	My	-0.41	5.5
6	MP2A	Mz	.011	5.5
7	MP2B	Y	-50.66	1
8	MP2B	My	.021	1
9	MP2B	Mz	-0.37	1
10	MP2B	Y	-50.66	5.5
11	MP2B	My	.021	5.5
12	MP2B	Mz	-0.37	5.5
13	MP2C	Y	-50.66	1
14	MP2C	My	.032	1
15	MP2C	Mz	.027	1
16	MP2C	Y	-50.66	5.5
17	MP2C	My	.032	5.5
18	MP2C	Mz	.027	5.5
19	MP1A	Y	-22.334	1.5
20	MP1A	My	.022	1.5
21	MP1A	Mz	-0.06	1.5
22	MP1A	Y	-22.334	1.5
23	MP1A	My	.022	1.5
24	MP1A	Mz	-0.06	1.5
25	MP1B	Y	-22.334	1.5
26	MP1B	My	-0.11	1.5
27	MP1B	Mz	.019	1.5
28	MP1B	Y	-22.334	1.5
29	MP1B	My	-0.11	1.5
30	MP1B	Mz	.019	1.5
31	MP1C	Y	-22.334	1.5
32	MP1C	My	-0.17	1.5
33	MP1C	Mz	-0.14	1.5
34	MP1C	Y	-22.334	1.5
35	MP1C	My	-0.17	1.5
36	MP1C	Mz	-0.14	1.5
37	MP1A	Y	-20.084	4
38	MP1A	My	.019	4
39	MP1A	Mz	-0.05	4
40	MP1A	Y	-20.084	4
41	MP1A	My	.019	4
42	MP1A	Mz	-0.05	4
43	MP1B	Y	-20.084	4
44	MP1B	My	-.01	4
45	MP1B	Mz	.017	4
46	MP1B	Y	-20.084	4
47	MP1B	My	-.01	4
48	MP1B	Mz	.017	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
49	MP1C	Y	-20.084	4
50	MP1C	My	-.015	4
51	MP1C	Mz	-.013	4
52	MP1C	Y	-20.084	4
53	MP1C	My	-.015	4
54	MP1C	Mz	-.013	4
55	SP1	Y	-37.782	1
56	SP1	My	-.014	1
57	SP1	Mz	-.012	1
58	SP1	Y	-37.782	1
59	SP1	My	-.014	1
60	SP1	Mz	-.012	1
61	MP3A	Y	-60.286	1
62	MP3A	My	-.062	1
63	MP3A	Mz	-.036	1
64	MP3A	Y	-60.286	5.5
65	MP3A	My	-.062	5.5
66	MP3A	Mz	-.036	5.5
67	MP3B	Y	-60.286	1
68	MP3B	My	.069	1
69	MP3B	Mz	-.018	1
70	MP3B	Y	-60.286	5.5
71	MP3B	My	.069	5.5
72	MP3B	Mz	-.018	5.5
73	MP3C	Y	-60.286	1
74	MP3C	My	.006	1
75	MP3C	Mz	.071	1
76	MP3C	Y	-60.286	5.5
77	MP3C	My	.006	5.5
78	MP3C	Mz	.071	5.5
79	MP3A	Y	-60.286	1
80	MP3A	My	-.036	1
81	MP3A	Mz	.062	1
82	MP3A	Y	-60.286	5.5
83	MP3A	My	-.036	5.5
84	MP3A	Mz	.062	5.5
85	MP3B	Y	-60.286	1
86	MP3B	My	-.018	1
87	MP3B	Mz	-.069	1
88	MP3B	Y	-60.286	5.5
89	MP3B	My	-.018	5.5
90	MP3B	Mz	-.069	5.5
91	MP3C	Y	-60.286	1
92	MP3C	My	.071	1
93	MP3C	Mz	-.006	1
94	MP3C	Y	-60.286	5.5
95	MP3C	My	.071	5.5
96	MP3C	Mz	-.006	5.5
97	MP4A	Y	-35.431	1.6
98	MP4A	My	-.029	1.6
99	MP4A	Mz	.008	1.6
100	MP4A	Y	-35.431	4.46
101	MP4A	My	-.029	4.46
102	MP4A	Mz	.008	4.46
103	MP4B	Y	-35.431	1.6
104	MP4B	My	.015	1.6
105	MP4B	Mz	-.026	1.6



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
106	MP4B	Y	-35.431	4.46
107	MP4B	My	.015	4.46
108	MP4B	Mz	-.026	4.46
109	MP4C	Y	-35.431	1.6
110	MP4C	My	.023	1.6
111	MP4C	Mz	.019	1.6
112	MP4C	Y	-35.431	4.46
113	MP4C	My	.023	4.46
114	MP4C	Mz	.019	4.46
115	MP4A	Y	-9.864	1.5
116	MP4A	My	.01	1.5
117	MP4A	Mz	-.003	1.5
118	MP4A	Y	-9.864	1.5
119	MP4A	My	.01	1.5
120	MP4A	Mz	-.003	1.5
121	MP4B	Y	-9.864	1.5
122	MP4B	My	-.005	1.5
123	MP4B	Mz	.009	1.5
124	MP4B	Y	-9.864	1.5
125	MP4B	My	-.005	1.5
126	MP4B	Mz	.009	1.5
127	MP4C	Y	-9.864	1.5
128	MP4C	My	-.008	1.5
129	MP4C	Mz	-.006	1.5
130	MP4C	Y	-9.864	1.5
131	MP4C	My	-.008	1.5
132	MP4C	Mz	-.006	1.5
133	SP2	Y	-37.782	1
134	SP2	My	-.014	1
135	SP2	Mz	-.012	1
136	SP2	Y	-37.782	1
137	SP2	My	-.014	1
138	SP2	Mz	-.012	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-151.39	1
3	MP2A	Mx	-.033	1
4	MP2A	X	0	5.5
5	MP2A	Z	-151.39	5.5
6	MP2A	Mx	-.033	5.5
7	MP2B	X	0	1
8	MP2B	Z	-98.335	1
9	MP2B	Mx	.071	1
10	MP2B	X	0	5.5
11	MP2B	Z	-98.335	5.5
12	MP2B	Mx	.071	5.5
13	MP2C	X	0	1
14	MP2C	Z	-124.498	1
15	MP2C	Mx	-.067	1
16	MP2C	X	0	5.5
17	MP2C	Z	-124.498	5.5
18	MP2C	Mx	-.067	5.5
19	MP1A	X	0	1.5
20	MP1A	Z	-36.755	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
21	MP1A	Mx	.01	1.5
22	MP1A	X	0	1.5
23	MP1A	Z	-36.755	1.5
24	MP1A	Mx	.01	1.5
25	MP1B	X	0	1.5
26	MP1B	Z	-28.243	1.5
27	MP1B	Mx	-.024	1.5
28	MP1B	X	0	1.5
29	MP1B	Z	-28.243	1.5
30	MP1B	Mx	-.024	1.5
31	MP1C	X	0	1.5
32	MP1C	Z	-32.441	1.5
33	MP1C	Mx	.021	1.5
34	MP1C	X	0	1.5
35	MP1C	Z	-32.441	1.5
36	MP1C	Mx	.021	1.5
37	MP1A	X	0	4
38	MP1A	Z	-36.436	4
39	MP1A	Mx	.009	4
40	MP1A	X	0	4
41	MP1A	Z	-36.436	4
42	MP1A	Mx	.009	4
43	MP1B	X	0	4
44	MP1B	Z	-24.662	4
45	MP1B	Mx	-.021	4
46	MP1B	X	0	4
47	MP1B	Z	-24.662	4
48	MP1B	Mx	-.021	4
49	MP1C	X	0	4
50	MP1C	Z	-30.468	4
51	MP1C	Mx	.02	4
52	MP1C	X	0	4
53	MP1C	Z	-30.468	4
54	MP1C	Mx	.02	4
55	SP1	X	0	1
56	SP1	Z	-65.544	1
57	SP1	Mx	.021	1
58	SP1	X	0	1
59	SP1	Z	-65.544	1
60	SP1	Mx	.021	1
61	MP3A	X	0	1
62	MP3A	Z	-158.735	1
63	MP3A	Mx	.094	1
64	MP3A	X	0	5.5
65	MP3A	Z	-158.735	5.5
66	MP3A	Mx	.094	5.5
67	MP3B	X	0	1
68	MP3B	Z	-121.138	1
69	MP3B	Mx	.037	1
70	MP3B	X	0	5.5
71	MP3B	Z	-121.138	5.5
72	MP3B	Mx	.037	5.5
73	MP3C	X	0	1
74	MP3C	Z	-139.679	1
75	MP3C	Mx	-.164	1
76	MP3C	X	0	5.5
77	MP3C	Z	-139.679	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
78	MP3C	Mx	-.164	5.5
79	MP3A	X	0	1
80	MP3A	Z	-158.172	1
81	MP3A	Mx	-.161	1
82	MP3A	X	0	5.5
83	MP3A	Z	-158.172	5.5
84	MP3A	Mx	-.161	5.5
85	MP3B	X	0	1
86	MP3B	Z	-120.988	1
87	MP3B	Mx	.138	1
88	MP3B	X	0	5.5
89	MP3B	Z	-120.988	5.5
90	MP3B	Mx	.138	5.5
91	MP3C	X	0	1
92	MP3C	Z	-139.325	1
93	MP3C	Mx	.014	1
94	MP3C	X	0	5.5
95	MP3C	Z	-139.325	5.5
96	MP3C	Mx	.014	5.5
97	MP4A	X	0	1.6
98	MP4A	Z	-90.627	1.6
99	MP4A	Mx	-.02	1.6
100	MP4A	X	0	4.46
101	MP4A	Z	-90.627	4.46
102	MP4A	Mx	-.02	4.46
103	MP4B	X	0	1.6
104	MP4B	Z	-51.361	1.6
105	MP4B	Mx	.037	1.6
106	MP4B	X	0	4.46
107	MP4B	Z	-51.361	4.46
108	MP4B	Mx	.037	4.46
109	MP4C	X	0	1.6
110	MP4C	Z	-70.725	1.6
111	MP4C	Mx	-.038	1.6
112	MP4C	X	0	4.46
113	MP4C	Z	-70.725	4.46
114	MP4C	Mx	-.038	4.46
115	MP4A	X	0	1.5
116	MP4A	Z	-19.43	1.5
117	MP4A	Mx	.005	1.5
118	MP4A	X	0	1.5
119	MP4A	Z	-19.43	1.5
120	MP4A	Mx	.005	1.5
121	MP4B	X	0	1.5
122	MP4B	Z	-12.58	1.5
123	MP4B	Mx	-.011	1.5
124	MP4B	X	0	1.5
125	MP4B	Z	-12.58	1.5
126	MP4B	Mx	-.011	1.5
127	MP4C	X	0	1.5
128	MP4C	Z	-15.958	1.5
129	MP4C	Mx	.01	1.5
130	MP4C	X	0	1.5
131	MP4C	Z	-15.958	1.5
132	MP4C	Mx	.01	1.5
133	SP2	X	0	1
134	SP2	Z	-65.544	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
135	SP2	Mx	.021	1
136	SP2	X	0	1
137	SP2	Z	-65.544	1
138	SP2	Mx	.021	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	58.877	1
2	MP2A	Z	-101.978	1
3	MP2A	Mx	-.069	1
4	MP2A	X	58.877	5.5
5	MP2A	Z	-101.978	5.5
6	MP2A	Mx	-.069	5.5
7	MP2B	X	39.458	1
8	MP2B	Z	-68.343	1
9	MP2B	Mx	.066	1
10	MP2B	X	39.458	5.5
11	MP2B	Z	-68.343	5.5
12	MP2B	Mx	.066	5.5
13	MP2C	X	77.125	1
14	MP2C	Z	-133.585	1
15	MP2C	Mx	-.022	1
16	MP2C	X	77.125	5.5
17	MP2C	Z	-133.585	5.5
18	MP2C	Mx	-.022	5.5
19	MP1A	X	15.679	1.5
20	MP1A	Z	-27.158	1.5
21	MP1A	Mx	.022	1.5
22	MP1A	X	15.679	1.5
23	MP1A	Z	-27.158	1.5
24	MP1A	Mx	.022	1.5
25	MP1B	X	12.564	1.5
26	MP1B	Z	-21.761	1.5
27	MP1B	Mx	-.025	1.5
28	MP1B	X	12.564	1.5
29	MP1B	Z	-21.761	1.5
30	MP1B	Mx	-.025	1.5
31	MP1C	X	18.607	1.5
32	MP1C	Z	-32.229	1.5
33	MP1C	Mx	.006	1.5
34	MP1C	X	18.607	1.5
35	MP1C	Z	-32.229	1.5
36	MP1C	Mx	.006	1.5
37	MP1A	X	14.486	4
38	MP1A	Z	-25.09	4
39	MP1A	Mx	.02	4
40	MP1A	X	14.486	4
41	MP1A	Z	-25.09	4
42	MP1A	Mx	.02	4
43	MP1B	X	10.177	4
44	MP1B	Z	-17.626	4
45	MP1B	Mx	-.02	4
46	MP1B	X	10.177	4
47	MP1B	Z	-17.626	4
48	MP1B	Mx	-.02	4
49	MP1C	X	18.535	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
50	MP1C	Z	-32.104	4
51	MP1C	Mx	.006	4
52	MP1C	X	18.535	4
53	MP1C	Z	-32.104	4
54	MP1C	Mx	.006	4
55	SP1	X	37.705	1
56	SP1	Z	-65.306	1
57	SP1	Mx	.007	1
58	SP1	X	37.705	1
59	SP1	Z	-65.306	1
60	SP1	Mx	.007	1
61	MP3A	X	67.45	1
62	MP3A	Z	-116.827	1
63	MP3A	Mx	0	1
64	MP3A	X	67.45	5.5
65	MP3A	Z	-116.827	5.5
66	MP3A	Mx	0	5.5
67	MP3B	X	53.689	1
68	MP3B	Z	-92.991	1
69	MP3B	Mx	.089	1
70	MP3B	X	53.689	5.5
71	MP3B	Z	-92.991	5.5
72	MP3B	Mx	.089	5.5
73	MP3C	X	80.381	1
74	MP3C	Z	-139.225	1
75	MP3C	Mx	-.155	1
76	MP3C	X	80.381	5.5
77	MP3C	Z	-139.225	5.5
78	MP3C	Mx	-.155	5.5
79	MP3A	X	67.299	1
80	MP3A	Z	-116.565	1
81	MP3A	Mx	-.159	1
82	MP3A	X	67.299	5.5
83	MP3A	Z	-116.565	5.5
84	MP3A	Mx	-.159	5.5
85	MP3B	X	53.689	1
86	MP3B	Z	-92.991	1
87	MP3B	Mx	.089	1
88	MP3B	X	53.689	5.5
89	MP3B	Z	-92.991	5.5
90	MP3B	Mx	.089	5.5
91	MP3C	X	80.089	1
92	MP3C	Z	-138.718	1
93	MP3C	Mx	.108	1
94	MP3C	X	80.089	5.5
95	MP3C	Z	-138.718	5.5
96	MP3C	Mx	.108	5.5
97	MP4A	X	32.867	1.6
98	MP4A	Z	-56.927	1.6
99	MP4A	Mx	-.039	1.6
100	MP4A	X	32.867	4.46
101	MP4A	Z	-56.927	4.46
102	MP4A	Mx	-.039	4.46
103	MP4B	X	18.494	1.6
104	MP4B	Z	-32.033	1.6
105	MP4B	Mx	.031	1.6
106	MP4B	X	18.494	4.46



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
107	MP4B	Z	-32.033	4.46
108	MP4B	Mx	.031	4.46
109	MP4C	X	46.372	1.6
110	MP4C	Z	-80.319	1.6
111	MP4C	Mx	-.013	1.6
112	MP4C	X	46.372	4.46
113	MP4C	Z	-80.319	4.46
114	MP4C	Mx	-.013	4.46
115	MP4A	X	7.544	1.5
116	MP4A	Z	-13.066	1.5
117	MP4A	Mx	.011	1.5
118	MP4A	X	7.544	1.5
119	MP4A	Z	-13.066	1.5
120	MP4A	Mx	.011	1.5
121	MP4B	X	5.036	1.5
122	MP4B	Z	-8.723	1.5
123	MP4B	Mx	-.01	1.5
124	MP4B	X	5.036	1.5
125	MP4B	Z	-8.723	1.5
126	MP4B	Mx	-.01	1.5
127	MP4C	X	9.9	1.5
128	MP4C	Z	-17.147	1.5
129	MP4C	Mx	.003	1.5
130	MP4C	X	9.9	1.5
131	MP4C	Z	-17.147	1.5
132	MP4C	Mx	.003	1.5
133	SP2	X	37.705	1
134	SP2	Z	-65.306	1
135	SP2	Mx	.007	1
136	SP2	X	37.705	1
137	SP2	Z	-65.306	1
138	SP2	Mx	.007	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	72.849	1
2	MP2A	Z	-42.059	1
3	MP2A	Mx	-.068	1
4	MP2A	X	72.849	5.5
5	MP2A	Z	-42.059	5.5
6	MP2A	Mx	-.068	5.5
7	MP2B	X	85.16	1
8	MP2B	Z	-49.167	1
9	MP2B	Mx	.071	1
10	MP2B	X	85.16	5.5
11	MP2B	Z	-49.167	5.5
12	MP2B	Mx	.071	5.5
13	MP2C	X	127.744	1
14	MP2C	Z	-73.753	1
15	MP2C	Mx	.042	1
16	MP2C	X	127.744	5.5
17	MP2C	Z	-73.753	5.5
18	MP2C	Mx	.042	5.5
19	MP1A	X	22.484	1.5
20	MP1A	Z	-12.981	1.5
21	MP1A	Mx	.025	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
22	MP1A	X	22.484	1.5
23	MP1A	Z	-12.981	1.5
24	MP1A	Mx	.025	1.5
25	MP1B	X	24.459	1.5
26	MP1B	Z	-14.122	1.5
27	MP1B	Mx	-.024	1.5
28	MP1B	X	24.459	1.5
29	MP1B	Z	-14.122	1.5
30	MP1B	Mx	-.024	1.5
31	MP1C	X	31.292	1.5
32	MP1C	Z	-18.066	1.5
33	MP1C	Mx	-.012	1.5
34	MP1C	X	31.292	1.5
35	MP1C	Z	-18.066	1.5
36	MP1C	Mx	-.012	1.5
37	MP1A	X	18.626	4
38	MP1A	Z	-10.754	4
39	MP1A	Mx	.021	4
40	MP1A	X	18.626	4
41	MP1A	Z	-10.754	4
42	MP1A	Mx	.021	4
43	MP1B	X	21.358	4
44	MP1B	Z	-12.331	4
45	MP1B	Mx	-.021	4
46	MP1B	X	21.358	4
47	MP1B	Z	-12.331	4
48	MP1B	Mx	-.021	4
49	MP1C	X	30.808	4
50	MP1C	Z	-17.787	4
51	MP1C	Mx	-.012	4
52	MP1C	X	30.808	4
53	MP1C	Z	-17.787	4
54	MP1C	Mx	-.012	4
55	SP1	X	63.37	1
56	SP1	Z	-36.586	1
57	SP1	Mx	-.013	1
58	SP1	X	63.37	1
59	SP1	Z	-36.586	1
60	SP1	Mx	-.013	1
61	MP3A	X	96.185	1
62	MP3A	Z	-55.532	1
63	MP3A	Mx	-.065	1
64	MP3A	X	96.185	5.5
65	MP3A	Z	-55.532	5.5
66	MP3A	Mx	-.065	5.5
67	MP3B	X	104.909	1
68	MP3B	Z	-60.569	1
69	MP3B	Mx	.138	1
70	MP3B	X	104.909	5.5
71	MP3B	Z	-60.569	5.5
72	MP3B	Mx	.138	5.5
73	MP3C	X	135.086	1
74	MP3C	Z	-77.992	1
75	MP3C	Mx	-.078	1
76	MP3C	X	135.086	5.5
77	MP3C	Z	-77.992	5.5
78	MP3C	Mx	-.078	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
79	MP3A	X	96.15	1
80	MP3A	Z	-55.512	1
81	MP3A	Mx	-.113	1
82	MP3A	X	96.15	5.5
83	MP3A	Z	-55.512	5.5
84	MP3A	Mx	-.113	5.5
85	MP3B	X	104.778	1
86	MP3B	Z	-60.494	1
87	MP3B	Mx	.037	1
88	MP3B	X	104.778	5.5
89	MP3B	Z	-60.494	5.5
90	MP3B	Mx	.037	5.5
91	MP3C	X	134.624	1
92	MP3C	Z	-77.725	1
93	MP3C	Mx	.166	1
94	MP3C	X	134.624	5.5
95	MP3C	Z	-77.725	5.5
96	MP3C	Mx	.166	5.5
97	MP4A	X	35.368	1.6
98	MP4A	Z	-20.42	1.6
99	MP4A	Mx	-.033	1.6
100	MP4A	X	35.368	4.46
101	MP4A	Z	-20.42	4.46
102	MP4A	Mx	-.033	4.46
103	MP4B	X	44.48	1.6
104	MP4B	Z	-25.68	1.6
105	MP4B	Mx	.037	1.6
106	MP4B	X	44.48	4.46
107	MP4B	Z	-25.68	4.46
108	MP4B	Mx	.037	4.46
109	MP4C	X	75.997	1.6
110	MP4C	Z	-43.877	1.6
111	MP4C	Mx	.025	1.6
112	MP4C	X	75.997	4.46
113	MP4C	Z	-43.877	4.46
114	MP4C	Mx	.025	4.46
115	MP4A	X	9.305	1.5
116	MP4A	Z	-5.372	1.5
117	MP4A	Mx	.01	1.5
118	MP4A	X	9.305	1.5
119	MP4A	Z	-5.372	1.5
120	MP4A	Mx	.01	1.5
121	MP4B	X	10.895	1.5
122	MP4B	Z	-6.29	1.5
123	MP4B	Mx	-.011	1.5
124	MP4B	X	10.895	1.5
125	MP4B	Z	-6.29	1.5
126	MP4B	Mx	-.011	1.5
127	MP4C	X	16.393	1.5
128	MP4C	Z	-9.464	1.5
129	MP4C	Mx	-.006	1.5
130	MP4C	X	16.393	1.5
131	MP4C	Z	-9.464	1.5
132	MP4C	Mx	-.006	1.5
133	SP2	X	63.37	1
134	SP2	Z	-36.586	1
135	SP2	Mx	-.013	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
136	SP2	X	63.37	1
137	SP2	Z	-36.586	1
138	SP2	Mx	-.013	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	84.119	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.068	1
4	MP2A	X	84.119	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.068	5.5
7	MP2B	X	137.173	1
8	MP2B	Z	0	1
9	MP2B	Mx	.057	1
10	MP2B	X	137.173	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.057	5.5
13	MP2C	X	111.01	1
14	MP2C	Z	0	1
15	MP2C	Mx	.071	1
16	MP2C	X	111.01	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.071	5.5
19	MP1A	X	25.962	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	.025	1.5
22	MP1A	X	25.962	1.5
23	MP1A	Z	0	1.5
24	MP1A	Mx	.025	1.5
25	MP1B	X	34.475	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	-.017	1.5
28	MP1B	X	34.475	1.5
29	MP1B	Z	0	1.5
30	MP1B	Mx	-.017	1.5
31	MP1C	X	30.277	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	-.023	1.5
34	MP1C	X	30.277	1.5
35	MP1C	Z	0	1.5
36	MP1C	Mx	-.023	1.5
37	MP1A	X	21.508	4
38	MP1A	Z	0	4
39	MP1A	Mx	.021	4
40	MP1A	X	21.508	4
41	MP1A	Z	0	4
42	MP1A	Mx	.021	4
43	MP1B	X	33.281	4
44	MP1B	Z	0	4
45	MP1B	Mx	-.017	4
46	MP1B	X	33.281	4
47	MP1B	Z	0	4
48	MP1B	Mx	-.017	4
49	MP1C	X	27.475	4
50	MP1C	Z	0	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
51	MP1C	Mx	-.021	4
52	MP1C	X	27.475	4
53	MP1C	Z	0	4
54	MP1C	Mx	-.021	4
55	SP1	X	61.071	1
56	SP1	Z	0	1
57	SP1	Mx	-.023	1
58	SP1	X	61.071	1
59	SP1	Z	0	1
60	SP1	Mx	-.023	1
61	MP3A	X	111.064	1
62	MP3A	Z	0	1
63	MP3A	Mx	-.113	1
64	MP3A	X	111.064	5.5
65	MP3A	Z	0	5.5
66	MP3A	Mx	-.113	5.5
67	MP3B	X	148.661	1
68	MP3B	Z	0	1
69	MP3B	Mx	.169	1
70	MP3B	X	148.661	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	.169	5.5
73	MP3C	X	130.12	1
74	MP3C	Z	0	1
75	MP3C	Mx	.013	1
76	MP3C	X	130.12	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	.013	5.5
79	MP3A	X	111.024	1
80	MP3A	Z	0	1
81	MP3A	Mx	-.065	1
82	MP3A	X	111.024	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	-.065	5.5
85	MP3B	X	148.209	1
86	MP3B	Z	0	1
87	MP3B	Mx	-.045	1
88	MP3B	X	148.209	5.5
89	MP3B	Z	0	5.5
90	MP3B	Mx	-.045	5.5
91	MP3C	X	129.871	1
92	MP3C	Z	0	1
93	MP3C	Mx	.152	1
94	MP3C	X	129.871	5.5
95	MP3C	Z	0	5.5
96	MP3C	Mx	.152	5.5
97	MP4A	X	40.839	1.6
98	MP4A	Z	0	1.6
99	MP4A	Mx	-.033	1.6
100	MP4A	X	40.839	4.46
101	MP4A	Z	0	4.46
102	MP4A	Mx	-.033	4.46
103	MP4B	X	80.106	1.6
104	MP4B	Z	0	1.6
105	MP4B	Mx	.033	1.6
106	MP4B	X	80.106	4.46
107	MP4B	Z	0	4.46



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
108	MP4B	Mx	.033	4.46
109	MP4C	X	60.742	1.6
110	MP4C	Z	0	1.6
111	MP4C	Mx	.039	1.6
112	MP4C	X	60.742	4.46
113	MP4C	Z	0	4.46
114	MP4C	Mx	.039	4.46
115	MP4A	X	10.745	1.5
116	MP4A	Z	0	1.5
117	MP4A	Mx	.01	1.5
118	MP4A	X	10.745	1.5
119	MP4A	Z	0	1.5
120	MP4A	Mx	.01	1.5
121	MP4B	X	17.595	1.5
122	MP4B	Z	0	1.5
123	MP4B	Mx	-.009	1.5
124	MP4B	X	17.595	1.5
125	MP4B	Z	0	1.5
126	MP4B	Mx	-.009	1.5
127	MP4C	X	14.216	1.5
128	MP4C	Z	0	1.5
129	MP4C	Mx	-.011	1.5
130	MP4C	X	14.216	1.5
131	MP4C	Z	0	1.5
132	MP4C	Mx	-.011	1.5
133	SP2	X	61.071	1
134	SP2	Z	0	1
135	SP2	Mx	-.023	1
136	SP2	X	61.071	1
137	SP2	Z	0	1
138	SP2	Mx	-.023	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	101.978	1
2	MP2A	Z	58.877	1
3	MP2A	Mx	-.069	1
4	MP2A	X	101.978	5.5
5	MP2A	Z	58.877	5.5
6	MP2A	Mx	-.069	5.5
7	MP2B	X	135.613	1
8	MP2B	Z	78.296	1
9	MP2B	Mx	0	1
10	MP2B	X	135.613	5.5
11	MP2B	Z	78.296	5.5
12	MP2B	Mx	0	5.5
13	MP2C	X	70.371	1
14	MP2C	Z	40.629	1
15	MP2C	Mx	.067	1
16	MP2C	X	70.371	5.5
17	MP2C	Z	40.629	5.5
18	MP2C	Mx	.067	5.5
19	MP1A	X	27.158	1.5
20	MP1A	Z	15.679	1.5
21	MP1A	Mx	.022	1.5
22	MP1A	X	27.158	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
23	MP1A	Z	15.679	1.5
24	MP1A	Mx	.022	1.5
25	MP1B	X	32.554	1.5
26	MP1B	Z	18.795	1.5
27	MP1B	Mx	0	1.5
28	MP1B	X	32.554	1.5
29	MP1B	Z	18.795	1.5
30	MP1B	Mx	0	1.5
31	MP1C	X	22.086	1.5
32	MP1C	Z	12.752	1.5
33	MP1C	Mx	-.025	1.5
34	MP1C	X	22.086	1.5
35	MP1C	Z	12.752	1.5
36	MP1C	Mx	-.025	1.5
37	MP1A	X	25.09	4
38	MP1A	Z	14.486	4
39	MP1A	Mx	.02	4
40	MP1A	X	25.09	4
41	MP1A	Z	14.486	4
42	MP1A	Mx	.02	4
43	MP1B	X	32.554	4
44	MP1B	Z	18.795	4
45	MP1B	Mx	0	4
46	MP1B	X	32.554	4
47	MP1B	Z	18.795	4
48	MP1B	Mx	0	4
49	MP1C	X	18.076	4
50	MP1C	Z	10.436	4
51	MP1C	Mx	-.021	4
52	MP1C	X	18.076	4
53	MP1C	Z	10.436	4
54	MP1C	Mx	-.021	4
55	SP1	X	44.345	1
56	SP1	Z	25.603	1
57	SP1	Mx	-.025	1
58	SP1	X	44.345	1
59	SP1	Z	25.603	1
60	SP1	Mx	-.025	1
61	MP3A	X	116.827	1
62	MP3A	Z	67.45	1
63	MP3A	Mx	-.159	1
64	MP3A	X	116.827	5.5
65	MP3A	Z	67.45	5.5
66	MP3A	Mx	-.159	5.5
67	MP3B	X	140.662	1
68	MP3B	Z	81.211	1
69	MP3B	Mx	.135	1
70	MP3B	X	140.662	5.5
71	MP3B	Z	81.211	5.5
72	MP3B	Mx	.135	5.5
73	MP3C	X	94.429	1
74	MP3C	Z	54.518	1
75	MP3C	Mx	.074	1
76	MP3C	X	94.429	5.5
77	MP3C	Z	54.518	5.5
78	MP3C	Mx	.074	5.5
79	MP3A	X	116.565	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
80	MP3A	Z	67.299	1
81	MP3A	Mx	0	1
82	MP3A	X	116.565	5.5
83	MP3A	Z	67.299	5.5
84	MP3A	Mx	0	5.5
85	MP3B	X	140.14	1
86	MP3B	Z	80.91	1
87	MP3B	Mx	-.135	1
88	MP3B	X	140.14	5.5
89	MP3B	Z	80.91	5.5
90	MP3B	Mx	-.135	5.5
91	MP3C	X	94.413	1
92	MP3C	Z	54.509	1
93	MP3C	Mx	.105	1
94	MP3C	X	94.413	5.5
95	MP3C	Z	54.509	5.5
96	MP3C	Mx	.105	5.5
97	MP4A	X	56.927	1.6
98	MP4A	Z	32.867	1.6
99	MP4A	Mx	-.039	1.6
100	MP4A	X	56.927	4.46
101	MP4A	Z	32.867	4.46
102	MP4A	Mx	-.039	4.46
103	MP4B	X	81.821	1.6
104	MP4B	Z	47.239	1.6
105	MP4B	Mx	0	1.6
106	MP4B	X	81.821	4.46
107	MP4B	Z	47.239	4.46
108	MP4B	Mx	0	4.46
109	MP4C	X	33.534	1.6
110	MP4C	Z	19.361	1.6
111	MP4C	Mx	.032	1.6
112	MP4C	X	33.534	4.46
113	MP4C	Z	19.361	4.46
114	MP4C	Mx	.032	4.46
115	MP4A	X	13.066	1.5
116	MP4A	Z	7.544	1.5
117	MP4A	Mx	.011	1.5
118	MP4A	X	13.066	1.5
119	MP4A	Z	7.544	1.5
120	MP4A	Mx	.011	1.5
121	MP4B	X	17.409	1.5
122	MP4B	Z	10.051	1.5
123	MP4B	Mx	0	1.5
124	MP4B	X	17.409	1.5
125	MP4B	Z	10.051	1.5
126	MP4B	Mx	0	1.5
127	MP4C	X	8.985	1.5
128	MP4C	Z	5.188	1.5
129	MP4C	Mx	-.01	1.5
130	MP4C	X	8.985	1.5
131	MP4C	Z	5.188	1.5
132	MP4C	Mx	-.01	1.5
133	SP2	X	44.345	1
134	SP2	Z	25.603	1
135	SP2	Mx	-.025	1
136	SP2	X	44.345	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
137	SP2	Z	25.603	1
138	SP2	Mx	-.025	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	75.695	1
2	MP2A	Z	131.107	1
3	MP2A	Mx	-.033	1
4	MP2A	X	75.695	5.5
5	MP2A	Z	131.107	5.5
6	MP2A	Mx	-.033	5.5
7	MP2B	X	68.587	1
8	MP2B	Z	118.796	1
9	MP2B	Mx	-.057	1
10	MP2B	X	68.587	5.5
11	MP2B	Z	118.796	5.5
12	MP2B	Mx	-.057	5.5
13	MP2C	X	44.001	1
14	MP2C	Z	76.212	1
15	MP2C	Mx	.069	1
16	MP2C	X	44.001	5.5
17	MP2C	Z	76.212	5.5
18	MP2C	Mx	.069	5.5
19	MP1A	X	18.378	1.5
20	MP1A	Z	31.831	1.5
21	MP1A	Mx	.01	1.5
22	MP1A	X	18.378	1.5
23	MP1A	Z	31.831	1.5
24	MP1A	Mx	.01	1.5
25	MP1B	X	17.237	1.5
26	MP1B	Z	29.856	1.5
27	MP1B	Mx	.017	1.5
28	MP1B	X	17.237	1.5
29	MP1B	Z	29.856	1.5
30	MP1B	Mx	.017	1.5
31	MP1C	X	13.293	1.5
32	MP1C	Z	23.023	1.5
33	MP1C	Mx	-.025	1.5
34	MP1C	X	13.293	1.5
35	MP1C	Z	23.023	1.5
36	MP1C	Mx	-.025	1.5
37	MP1A	X	18.218	4
38	MP1A	Z	31.554	4
39	MP1A	Mx	.009	4
40	MP1A	X	18.218	4
41	MP1A	Z	31.554	4
42	MP1A	Mx	.009	4
43	MP1B	X	16.641	4
44	MP1B	Z	28.822	4
45	MP1B	Mx	.017	4
46	MP1B	X	16.641	4
47	MP1B	Z	28.822	4
48	MP1B	Mx	.017	4
49	MP1C	X	11.185	4
50	MP1C	Z	19.373	4
51	MP1C	Mx	-.021	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
52	MP1C	X	11.185	4
53	MP1C	Z	19.373	4
54	MP1C	Mx	-.021	4
55	SP1	X	26.721	1
56	SP1	Z	46.282	1
57	SP1	Mx	-.025	1
58	SP1	X	26.721	1
59	SP1	Z	46.282	1
60	SP1	Mx	-.025	1
61	MP3A	X	79.368	1
62	MP3A	Z	137.469	1
63	MP3A	Mx	-.162	1
64	MP3A	X	79.368	5.5
65	MP3A	Z	137.469	5.5
66	MP3A	Mx	-.162	5.5
67	MP3B	X	74.331	1
68	MP3B	Z	128.744	1
69	MP3B	Mx	.045	1
70	MP3B	X	74.331	5.5
71	MP3B	Z	128.744	5.5
72	MP3B	Mx	.045	5.5
73	MP3C	X	56.908	1
74	MP3C	Z	98.568	1
75	MP3C	Mx	.122	1
76	MP3C	X	56.908	5.5
77	MP3C	Z	98.568	5.5
78	MP3C	Mx	.122	5.5
79	MP3A	X	79.086	1
80	MP3A	Z	136.981	1
81	MP3A	Mx	.093	1
82	MP3A	X	79.086	5.5
83	MP3A	Z	136.981	5.5
84	MP3A	Mx	.093	5.5
85	MP3B	X	74.104	1
86	MP3B	Z	128.353	1
87	MP3B	Mx	-.169	1
88	MP3B	X	74.104	5.5
89	MP3B	Z	128.353	5.5
90	MP3B	Mx	-.169	5.5
91	MP3C	X	56.873	1
92	MP3C	Z	98.507	1
93	MP3C	Mx	.057	1
94	MP3C	X	56.873	5.5
95	MP3C	Z	98.507	5.5
96	MP3C	Mx	.057	5.5
97	MP4A	X	45.314	1.6
98	MP4A	Z	78.486	1.6
99	MP4A	Mx	-.02	1.6
100	MP4A	X	45.314	4.46
101	MP4A	Z	78.486	4.46
102	MP4A	Mx	-.02	4.46
103	MP4B	X	40.053	1.6
104	MP4B	Z	69.374	1.6
105	MP4B	Mx	-.033	1.6
106	MP4B	X	40.053	4.46
107	MP4B	Z	69.374	4.46
108	MP4B	Mx	-.033	4.46



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
109	MP4C	X	21.857	1.6
110	MP4C	Z	37.857	1.6
111	MP4C	Mx	.034	1.6
112	MP4C	X	21.857	4.46
113	MP4C	Z	37.857	4.46
114	MP4C	Mx	.034	4.46
115	MP4A	X	9.715	1.5
116	MP4A	Z	16.827	1.5
117	MP4A	Mx	.005	1.5
118	MP4A	X	9.715	1.5
119	MP4A	Z	16.827	1.5
120	MP4A	Mx	.005	1.5
121	MP4B	X	8.797	1.5
122	MP4B	Z	15.237	1.5
123	MP4B	Mx	.009	1.5
124	MP4B	X	8.797	1.5
125	MP4B	Z	15.237	1.5
126	MP4B	Mx	.009	1.5
127	MP4C	X	5.623	1.5
128	MP4C	Z	9.739	1.5
129	MP4C	Mx	-.011	1.5
130	MP4C	X	5.623	1.5
131	MP4C	Z	9.739	1.5
132	MP4C	Mx	-.011	1.5
133	SP2	X	26.721	1
134	SP2	Z	46.282	1
135	SP2	Mx	-.025	1
136	SP2	X	26.721	1
137	SP2	Z	46.282	1
138	SP2	Mx	-.025	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	151.39	1
3	MP2A	Mx	.033	1
4	MP2A	X	0	5.5
5	MP2A	Z	151.39	5.5
6	MP2A	Mx	.033	5.5
7	MP2B	X	0	1
8	MP2B	Z	98.335	1
9	MP2B	Mx	-.071	1
10	MP2B	X	0	5.5
11	MP2B	Z	98.335	5.5
12	MP2B	Mx	-.071	5.5
13	MP2C	X	0	1
14	MP2C	Z	124.498	1
15	MP2C	Mx	.067	1
16	MP2C	X	0	5.5
17	MP2C	Z	124.498	5.5
18	MP2C	Mx	.067	5.5
19	MP1A	X	0	1.5
20	MP1A	Z	36.755	1.5
21	MP1A	Mx	-.01	1.5
22	MP1A	X	0	1.5
23	MP1A	Z	36.755	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
24	MP1A	Mx	-.01	1.5
25	MP1B	X	0	1.5
26	MP1B	Z	28.243	1.5
27	MP1B	Mx	.024	1.5
28	MP1B	X	0	1.5
29	MP1B	Z	28.243	1.5
30	MP1B	Mx	.024	1.5
31	MP1C	X	0	1.5
32	MP1C	Z	32.441	1.5
33	MP1C	Mx	-.021	1.5
34	MP1C	X	0	1.5
35	MP1C	Z	32.441	1.5
36	MP1C	Mx	-.021	1.5
37	MP1A	X	0	4
38	MP1A	Z	36.436	4
39	MP1A	Mx	-.009	4
40	MP1A	X	0	4
41	MP1A	Z	36.436	4
42	MP1A	Mx	-.009	4
43	MP1B	X	0	4
44	MP1B	Z	24.662	4
45	MP1B	Mx	.021	4
46	MP1B	X	0	4
47	MP1B	Z	24.662	4
48	MP1B	Mx	.021	4
49	MP1C	X	0	4
50	MP1C	Z	30.468	4
51	MP1C	Mx	-.02	4
52	MP1C	X	0	4
53	MP1C	Z	30.468	4
54	MP1C	Mx	-.02	4
55	SP1	X	0	1
56	SP1	Z	65.544	1
57	SP1	Mx	-.021	1
58	SP1	X	0	1
59	SP1	Z	65.544	1
60	SP1	Mx	-.021	1
61	MP3A	X	0	1
62	MP3A	Z	158.735	1
63	MP3A	Mx	-.094	1
64	MP3A	X	0	5.5
65	MP3A	Z	158.735	5.5
66	MP3A	Mx	-.094	5.5
67	MP3B	X	0	1
68	MP3B	Z	121.138	1
69	MP3B	Mx	-.037	1
70	MP3B	X	0	5.5
71	MP3B	Z	121.138	5.5
72	MP3B	Mx	-.037	5.5
73	MP3C	X	0	1
74	MP3C	Z	139.679	1
75	MP3C	Mx	.164	1
76	MP3C	X	0	5.5
77	MP3C	Z	139.679	5.5
78	MP3C	Mx	.164	5.5
79	MP3A	X	0	1
80	MP3A	Z	158.172	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
81	MP3A	Mx	.161	1
82	MP3A	X	0	5.5
83	MP3A	Z	158.172	5.5
84	MP3A	Mx	.161	5.5
85	MP3B	X	0	1
86	MP3B	Z	120.988	1
87	MP3B	Mx	-.138	1
88	MP3B	X	0	5.5
89	MP3B	Z	120.988	5.5
90	MP3B	Mx	-.138	5.5
91	MP3C	X	0	1
92	MP3C	Z	139.325	1
93	MP3C	Mx	-.014	1
94	MP3C	X	0	5.5
95	MP3C	Z	139.325	5.5
96	MP3C	Mx	-.014	5.5
97	MP4A	X	0	1.6
98	MP4A	Z	90.627	1.6
99	MP4A	Mx	.02	1.6
100	MP4A	X	0	4.46
101	MP4A	Z	90.627	4.46
102	MP4A	Mx	.02	4.46
103	MP4B	X	0	1.6
104	MP4B	Z	51.361	1.6
105	MP4B	Mx	-.037	1.6
106	MP4B	X	0	4.46
107	MP4B	Z	51.361	4.46
108	MP4B	Mx	-.037	4.46
109	MP4C	X	0	1.6
110	MP4C	Z	70.725	1.6
111	MP4C	Mx	.038	1.6
112	MP4C	X	0	4.46
113	MP4C	Z	70.725	4.46
114	MP4C	Mx	.038	4.46
115	MP4A	X	0	1.5
116	MP4A	Z	19.43	1.5
117	MP4A	Mx	-.005	1.5
118	MP4A	X	0	1.5
119	MP4A	Z	19.43	1.5
120	MP4A	Mx	-.005	1.5
121	MP4B	X	0	1.5
122	MP4B	Z	12.58	1.5
123	MP4B	Mx	.011	1.5
124	MP4B	X	0	1.5
125	MP4B	Z	12.58	1.5
126	MP4B	Mx	.011	1.5
127	MP4C	X	0	1.5
128	MP4C	Z	15.958	1.5
129	MP4C	Mx	-.01	1.5
130	MP4C	X	0	1.5
131	MP4C	Z	15.958	1.5
132	MP4C	Mx	-.01	1.5
133	SP2	X	0	1
134	SP2	Z	65.544	1
135	SP2	Mx	-.021	1
136	SP2	X	0	1
137	SP2	Z	65.544	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
138	SP2	Mx	-.021	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-58.877	1
2	MP2A	Z	101.978	1
3	MP2A	Mx	.069	1
4	MP2A	X	-58.877	5.5
5	MP2A	Z	101.978	5.5
6	MP2A	Mx	.069	5.5
7	MP2B	X	-39.458	1
8	MP2B	Z	68.343	1
9	MP2B	Mx	-.066	1
10	MP2B	X	-39.458	5.5
11	MP2B	Z	68.343	5.5
12	MP2B	Mx	-.066	5.5
13	MP2C	X	-77.125	1
14	MP2C	Z	133.585	1
15	MP2C	Mx	.022	1
16	MP2C	X	-77.125	5.5
17	MP2C	Z	133.585	5.5
18	MP2C	Mx	.022	5.5
19	MP1A	X	-15.679	1.5
20	MP1A	Z	27.158	1.5
21	MP1A	Mx	-.022	1.5
22	MP1A	X	-15.679	1.5
23	MP1A	Z	27.158	1.5
24	MP1A	Mx	-.022	1.5
25	MP1B	X	-12.564	1.5
26	MP1B	Z	21.761	1.5
27	MP1B	Mx	.025	1.5
28	MP1B	X	-12.564	1.5
29	MP1B	Z	21.761	1.5
30	MP1B	Mx	.025	1.5
31	MP1C	X	-18.607	1.5
32	MP1C	Z	32.229	1.5
33	MP1C	Mx	-.006	1.5
34	MP1C	X	-18.607	1.5
35	MP1C	Z	32.229	1.5
36	MP1C	Mx	-.006	1.5
37	MP1A	X	-14.486	4
38	MP1A	Z	25.09	4
39	MP1A	Mx	-.02	4
40	MP1A	X	-14.486	4
41	MP1A	Z	25.09	4
42	MP1A	Mx	-.02	4
43	MP1B	X	-10.177	4
44	MP1B	Z	17.626	4
45	MP1B	Mx	.02	4
46	MP1B	X	-10.177	4
47	MP1B	Z	17.626	4
48	MP1B	Mx	.02	4
49	MP1C	X	-18.535	4
50	MP1C	Z	32.104	4
51	MP1C	Mx	-.006	4
52	MP1C	X	-18.535	4



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP1C	Z	32.104	4
54	MP1C	Mx	-.006	4
55	SP1	X	-37.705	1
56	SP1	Z	65.306	1
57	SP1	Mx	-.007	1
58	SP1	X	-37.705	1
59	SP1	Z	65.306	1
60	SP1	Mx	-.007	1
61	MP3A	X	-67.45	1
62	MP3A	Z	116.827	1
63	MP3A	Mx	0	1
64	MP3A	X	-67.45	5.5
65	MP3A	Z	116.827	5.5
66	MP3A	Mx	0	5.5
67	MP3B	X	-53.689	1
68	MP3B	Z	92.991	1
69	MP3B	Mx	-.089	1
70	MP3B	X	-53.689	5.5
71	MP3B	Z	92.991	5.5
72	MP3B	Mx	-.089	5.5
73	MP3C	X	-80.381	1
74	MP3C	Z	139.225	1
75	MP3C	Mx	.155	1
76	MP3C	X	-80.381	5.5
77	MP3C	Z	139.225	5.5
78	MP3C	Mx	.155	5.5
79	MP3A	X	-67.299	1
80	MP3A	Z	116.565	1
81	MP3A	Mx	.159	1
82	MP3A	X	-67.299	5.5
83	MP3A	Z	116.565	5.5
84	MP3A	Mx	.159	5.5
85	MP3B	X	-53.689	1
86	MP3B	Z	92.991	1
87	MP3B	Mx	-.089	1
88	MP3B	X	-53.689	5.5
89	MP3B	Z	92.991	5.5
90	MP3B	Mx	-.089	5.5
91	MP3C	X	-80.089	1
92	MP3C	Z	138.718	1
93	MP3C	Mx	-.108	1
94	MP3C	X	-80.089	5.5
95	MP3C	Z	138.718	5.5
96	MP3C	Mx	-.108	5.5
97	MP4A	X	-32.867	1.6
98	MP4A	Z	56.927	1.6
99	MP4A	Mx	.039	1.6
100	MP4A	X	-32.867	4.46
101	MP4A	Z	56.927	4.46
102	MP4A	Mx	.039	4.46
103	MP4B	X	-18.494	1.6
104	MP4B	Z	32.033	1.6
105	MP4B	Mx	-.031	1.6
106	MP4B	X	-18.494	4.46
107	MP4B	Z	32.033	4.46
108	MP4B	Mx	-.031	4.46
109	MP4C	X	-46.372	1.6



Company : GPD
 Designer : Karumanchi, Ujwala
 Job Number : Project No. 10039638
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Member Point Loads (BLC 10 : Antenna Wo (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
110	MP4C	Z	80.319	1.6
111	MP4C	Mx	.013	1.6
112	MP4C	X	-46.372	4.46
113	MP4C	Z	80.319	4.46
114	MP4C	Mx	.013	4.46
115	MP4A	X	-7.544	1.5
116	MP4A	Z	13.066	1.5
117	MP4A	Mx	-.011	1.5
118	MP4A	X	-7.544	1.5
119	MP4A	Z	13.066	1.5
120	MP4A	Mx	-.011	1.5
121	MP4B	X	-5.036	1.5
122	MP4B	Z	8.723	1.5
123	MP4B	Mx	.01	1.5
124	MP4B	X	-5.036	1.5
125	MP4B	Z	8.723	1.5
126	MP4B	Mx	.01	1.5
127	MP4C	X	-9.9	1.5
128	MP4C	Z	17.147	1.5
129	MP4C	Mx	-.003	1.5
130	MP4C	X	-9.9	1.5
131	MP4C	Z	17.147	1.5
132	MP4C	Mx	-.003	1.5
133	SP2	X	-37.705	1
134	SP2	Z	65.306	1
135	SP2	Mx	-.007	1
136	SP2	X	-37.705	1
137	SP2	Z	65.306	1
138	SP2	Mx	-.007	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-72.849	1
2	MP2A	Z	42.059	1
3	MP2A	Mx	.068	1
4	MP2A	X	-72.849	5.5
5	MP2A	Z	42.059	5.5
6	MP2A	Mx	.068	5.5
7	MP2B	X	-85.16	1
8	MP2B	Z	49.167	1
9	MP2B	Mx	-.071	1
10	MP2B	X	-85.16	5.5
11	MP2B	Z	49.167	5.5
12	MP2B	Mx	-.071	5.5
13	MP2C	X	-127.744	1
14	MP2C	Z	73.753	1
15	MP2C	Mx	-.042	1
16	MP2C	X	-127.744	5.5
17	MP2C	Z	73.753	5.5
18	MP2C	Mx	-.042	5.5
19	MP1A	X	-22.484	1.5
20	MP1A	Z	12.981	1.5
21	MP1A	Mx	-.025	1.5
22	MP1A	X	-22.484	1.5
23	MP1A	Z	12.981	1.5
24	MP1A	Mx	-.025	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
25	MP1B	X	-24.459	1.5
26	MP1B	Z	14.122	1.5
27	MP1B	Mx	.024	1.5
28	MP1B	X	-24.459	1.5
29	MP1B	Z	14.122	1.5
30	MP1B	Mx	.024	1.5
31	MP1C	X	-31.292	1.5
32	MP1C	Z	18.066	1.5
33	MP1C	Mx	.012	1.5
34	MP1C	X	-31.292	1.5
35	MP1C	Z	18.066	1.5
36	MP1C	Mx	.012	1.5
37	MP1A	X	-18.626	4
38	MP1A	Z	10.754	4
39	MP1A	Mx	-.021	4
40	MP1A	X	-18.626	4
41	MP1A	Z	10.754	4
42	MP1A	Mx	-.021	4
43	MP1B	X	-21.358	4
44	MP1B	Z	12.331	4
45	MP1B	Mx	.021	4
46	MP1B	X	-21.358	4
47	MP1B	Z	12.331	4
48	MP1B	Mx	.021	4
49	MP1C	X	-30.808	4
50	MP1C	Z	17.787	4
51	MP1C	Mx	.012	4
52	MP1C	X	-30.808	4
53	MP1C	Z	17.787	4
54	MP1C	Mx	.012	4
55	SP1	X	-63.37	1
56	SP1	Z	36.586	1
57	SP1	Mx	.013	1
58	SP1	X	-63.37	1
59	SP1	Z	36.586	1
60	SP1	Mx	.013	1
61	MP3A	X	-96.185	1
62	MP3A	Z	55.532	1
63	MP3A	Mx	.065	1
64	MP3A	X	-96.185	5.5
65	MP3A	Z	55.532	5.5
66	MP3A	Mx	.065	5.5
67	MP3B	X	-104.909	1
68	MP3B	Z	60.569	1
69	MP3B	Mx	-.138	1
70	MP3B	X	-104.909	5.5
71	MP3B	Z	60.569	5.5
72	MP3B	Mx	-.138	5.5
73	MP3C	X	-135.086	1
74	MP3C	Z	77.992	1
75	MP3C	Mx	.078	1
76	MP3C	X	-135.086	5.5
77	MP3C	Z	77.992	5.5
78	MP3C	Mx	.078	5.5
79	MP3A	X	-96.15	1
80	MP3A	Z	55.512	1
81	MP3A	Mx	.113	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
82	MP3A	X	-96.15	5.5
83	MP3A	Z	55.512	5.5
84	MP3A	Mx	.113	5.5
85	MP3B	X	-104.778	1
86	MP3B	Z	60.494	1
87	MP3B	Mx	-.037	1
88	MP3B	X	-104.778	5.5
89	MP3B	Z	60.494	5.5
90	MP3B	Mx	-.037	5.5
91	MP3C	X	-134.624	1
92	MP3C	Z	77.725	1
93	MP3C	Mx	-.166	1
94	MP3C	X	-134.624	5.5
95	MP3C	Z	77.725	5.5
96	MP3C	Mx	-.166	5.5
97	MP4A	X	-35.368	1.6
98	MP4A	Z	20.42	1.6
99	MP4A	Mx	.033	1.6
100	MP4A	X	-35.368	4.46
101	MP4A	Z	20.42	4.46
102	MP4A	Mx	.033	4.46
103	MP4B	X	-44.48	1.6
104	MP4B	Z	25.68	1.6
105	MP4B	Mx	-.037	1.6
106	MP4B	X	-44.48	4.46
107	MP4B	Z	25.68	4.46
108	MP4B	Mx	-.037	4.46
109	MP4C	X	-75.997	1.6
110	MP4C	Z	43.877	1.6
111	MP4C	Mx	-.025	1.6
112	MP4C	X	-75.997	4.46
113	MP4C	Z	43.877	4.46
114	MP4C	Mx	-.025	4.46
115	MP4A	X	-9.305	1.5
116	MP4A	Z	5.372	1.5
117	MP4A	Mx	-.01	1.5
118	MP4A	X	-9.305	1.5
119	MP4A	Z	5.372	1.5
120	MP4A	Mx	-.01	1.5
121	MP4B	X	-10.895	1.5
122	MP4B	Z	6.29	1.5
123	MP4B	Mx	.011	1.5
124	MP4B	X	-10.895	1.5
125	MP4B	Z	6.29	1.5
126	MP4B	Mx	.011	1.5
127	MP4C	X	-16.393	1.5
128	MP4C	Z	9.464	1.5
129	MP4C	Mx	.006	1.5
130	MP4C	X	-16.393	1.5
131	MP4C	Z	9.464	1.5
132	MP4C	Mx	.006	1.5
133	SP2	X	-63.37	1
134	SP2	Z	36.586	1
135	SP2	Mx	.013	1
136	SP2	X	-63.37	1
137	SP2	Z	36.586	1
138	SP2	Mx	.013	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-84.119	1
2	MP2A	Z	0	1
3	MP2A	Mx	.068	1
4	MP2A	X	-84.119	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.068	5.5
7	MP2B	X	-137.173	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.057	1
10	MP2B	X	-137.173	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.057	5.5
13	MP2C	X	-111.01	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.071	1
16	MP2C	X	-111.01	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.071	5.5
19	MP1A	X	-25.962	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	-.025	1.5
22	MP1A	X	-25.962	1.5
23	MP1A	Z	0	1.5
24	MP1A	Mx	-.025	1.5
25	MP1B	X	-34.475	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	.017	1.5
28	MP1B	X	-34.475	1.5
29	MP1B	Z	0	1.5
30	MP1B	Mx	.017	1.5
31	MP1C	X	-30.277	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	.023	1.5
34	MP1C	X	-30.277	1.5
35	MP1C	Z	0	1.5
36	MP1C	Mx	.023	1.5
37	MP1A	X	-21.508	4
38	MP1A	Z	0	4
39	MP1A	Mx	-.021	4
40	MP1A	X	-21.508	4
41	MP1A	Z	0	4
42	MP1A	Mx	-.021	4
43	MP1B	X	-33.281	4
44	MP1B	Z	0	4
45	MP1B	Mx	.017	4
46	MP1B	X	-33.281	4
47	MP1B	Z	0	4
48	MP1B	Mx	.017	4
49	MP1C	X	-27.475	4
50	MP1C	Z	0	4
51	MP1C	Mx	.021	4
52	MP1C	X	-27.475	4
53	MP1C	Z	0	4
54	MP1C	Mx	.021	4
55	SP1	X	-61.071	1
56	SP1	Z	0	1
57	SP1	Mx	.023	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	SP1	X	-61.071	1
59	SP1	Z	0	1
60	SP1	Mx	.023	1
61	MP3A	X	-111.064	1
62	MP3A	Z	0	1
63	MP3A	Mx	.113	1
64	MP3A	X	-111.064	5.5
65	MP3A	Z	0	5.5
66	MP3A	Mx	.113	5.5
67	MP3B	X	-148.661	1
68	MP3B	Z	0	1
69	MP3B	Mx	-.169	1
70	MP3B	X	-148.661	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	-.169	5.5
73	MP3C	X	-130.12	1
74	MP3C	Z	0	1
75	MP3C	Mx	-.013	1
76	MP3C	X	-130.12	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	-.013	5.5
79	MP3A	X	-111.024	1
80	MP3A	Z	0	1
81	MP3A	Mx	.065	1
82	MP3A	X	-111.024	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	.065	5.5
85	MP3B	X	-148.209	1
86	MP3B	Z	0	1
87	MP3B	Mx	.045	1
88	MP3B	X	-148.209	5.5
89	MP3B	Z	0	5.5
90	MP3B	Mx	.045	5.5
91	MP3C	X	-129.871	1
92	MP3C	Z	0	1
93	MP3C	Mx	-.152	1
94	MP3C	X	-129.871	5.5
95	MP3C	Z	0	5.5
96	MP3C	Mx	-.152	5.5
97	MP4A	X	-40.839	1.6
98	MP4A	Z	0	1.6
99	MP4A	Mx	.033	1.6
100	MP4A	X	-40.839	4.46
101	MP4A	Z	0	4.46
102	MP4A	Mx	.033	4.46
103	MP4B	X	-80.106	1.6
104	MP4B	Z	0	1.6
105	MP4B	Mx	-.033	1.6
106	MP4B	X	-80.106	4.46
107	MP4B	Z	0	4.46
108	MP4B	Mx	-.033	4.46
109	MP4C	X	-60.742	1.6
110	MP4C	Z	0	1.6
111	MP4C	Mx	-.039	1.6
112	MP4C	X	-60.742	4.46
113	MP4C	Z	0	4.46
114	MP4C	Mx	-.039	4.46



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4A	X	-10.745	1.5
116	MP4A	Z	0	1.5
117	MP4A	Mx	-.01	1.5
118	MP4A	X	-10.745	1.5
119	MP4A	Z	0	1.5
120	MP4A	Mx	-.01	1.5
121	MP4B	X	-17.595	1.5
122	MP4B	Z	0	1.5
123	MP4B	Mx	.009	1.5
124	MP4B	X	-17.595	1.5
125	MP4B	Z	0	1.5
126	MP4B	Mx	.009	1.5
127	MP4C	X	-14.216	1.5
128	MP4C	Z	0	1.5
129	MP4C	Mx	.011	1.5
130	MP4C	X	-14.216	1.5
131	MP4C	Z	0	1.5
132	MP4C	Mx	.011	1.5
133	SP2	X	-61.071	1
134	SP2	Z	0	1
135	SP2	Mx	.023	1
136	SP2	X	-61.071	1
137	SP2	Z	0	1
138	SP2	Mx	.023	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-101.978	1
2	MP2A	Z	-58.877	1
3	MP2A	Mx	.069	1
4	MP2A	X	-101.978	5.5
5	MP2A	Z	-58.877	5.5
6	MP2A	Mx	.069	5.5
7	MP2B	X	-135.613	1
8	MP2B	Z	-78.296	1
9	MP2B	Mx	0	1
10	MP2B	X	-135.613	5.5
11	MP2B	Z	-78.296	5.5
12	MP2B	Mx	0	5.5
13	MP2C	X	-70.371	1
14	MP2C	Z	-40.629	1
15	MP2C	Mx	-.067	1
16	MP2C	X	-70.371	5.5
17	MP2C	Z	-40.629	5.5
18	MP2C	Mx	-.067	5.5
19	MP1A	X	-27.158	1.5
20	MP1A	Z	-15.679	1.5
21	MP1A	Mx	-.022	1.5
22	MP1A	X	-27.158	1.5
23	MP1A	Z	-15.679	1.5
24	MP1A	Mx	-.022	1.5
25	MP1B	X	-32.554	1.5
26	MP1B	Z	-18.795	1.5
27	MP1B	Mx	0	1.5
28	MP1B	X	-32.554	1.5
29	MP1B	Z	-18.795	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
30	MP1B	Mx	0	1.5
31	MP1C	X	-22.086	1.5
32	MP1C	Z	-12.752	1.5
33	MP1C	Mx	.025	1.5
34	MP1C	X	-22.086	1.5
35	MP1C	Z	-12.752	1.5
36	MP1C	Mx	.025	1.5
37	MP1A	X	-25.09	4
38	MP1A	Z	-14.486	4
39	MP1A	Mx	-.02	4
40	MP1A	X	-25.09	4
41	MP1A	Z	-14.486	4
42	MP1A	Mx	-.02	4
43	MP1B	X	-32.554	4
44	MP1B	Z	-18.795	4
45	MP1B	Mx	0	4
46	MP1B	X	-32.554	4
47	MP1B	Z	-18.795	4
48	MP1B	Mx	0	4
49	MP1C	X	-18.076	4
50	MP1C	Z	-10.436	4
51	MP1C	Mx	.021	4
52	MP1C	X	-18.076	4
53	MP1C	Z	-10.436	4
54	MP1C	Mx	.021	4
55	SP1	X	-44.345	1
56	SP1	Z	-25.603	1
57	SP1	Mx	.025	1
58	SP1	X	-44.345	1
59	SP1	Z	-25.603	1
60	SP1	Mx	.025	1
61	MP3A	X	-116.827	1
62	MP3A	Z	-67.45	1
63	MP3A	Mx	.159	1
64	MP3A	X	-116.827	5.5
65	MP3A	Z	-67.45	5.5
66	MP3A	Mx	.159	5.5
67	MP3B	X	-140.662	1
68	MP3B	Z	-81.211	1
69	MP3B	Mx	-.135	1
70	MP3B	X	-140.662	5.5
71	MP3B	Z	-81.211	5.5
72	MP3B	Mx	-.135	5.5
73	MP3C	X	-94.429	1
74	MP3C	Z	-54.518	1
75	MP3C	Mx	-.074	1
76	MP3C	X	-94.429	5.5
77	MP3C	Z	-54.518	5.5
78	MP3C	Mx	-.074	5.5
79	MP3A	X	-116.565	1
80	MP3A	Z	-67.299	1
81	MP3A	Mx	0	1
82	MP3A	X	-116.565	5.5
83	MP3A	Z	-67.299	5.5
84	MP3A	Mx	0	5.5
85	MP3B	X	-140.14	1
86	MP3B	Z	-80.91	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
87	MP3B	Mx	.135	1
88	MP3B	X	-140.14	5.5
89	MP3B	Z	-80.91	5.5
90	MP3B	Mx	.135	5.5
91	MP3C	X	-94.413	1
92	MP3C	Z	-54.509	1
93	MP3C	Mx	-.105	1
94	MP3C	X	-94.413	5.5
95	MP3C	Z	-54.509	5.5
96	MP3C	Mx	-.105	5.5
97	MP4A	X	-56.927	1.6
98	MP4A	Z	-32.867	1.6
99	MP4A	Mx	.039	1.6
100	MP4A	X	-56.927	4.46
101	MP4A	Z	-32.867	4.46
102	MP4A	Mx	.039	4.46
103	MP4B	X	-81.821	1.6
104	MP4B	Z	-47.239	1.6
105	MP4B	Mx	0	1.6
106	MP4B	X	-81.821	4.46
107	MP4B	Z	-47.239	4.46
108	MP4B	Mx	0	4.46
109	MP4C	X	-33.534	1.6
110	MP4C	Z	-19.361	1.6
111	MP4C	Mx	-.032	1.6
112	MP4C	X	-33.534	4.46
113	MP4C	Z	-19.361	4.46
114	MP4C	Mx	-.032	4.46
115	MP4A	X	-13.066	1.5
116	MP4A	Z	-7.544	1.5
117	MP4A	Mx	-.011	1.5
118	MP4A	X	-13.066	1.5
119	MP4A	Z	-7.544	1.5
120	MP4A	Mx	-.011	1.5
121	MP4B	X	-17.409	1.5
122	MP4B	Z	-10.051	1.5
123	MP4B	Mx	0	1.5
124	MP4B	X	-17.409	1.5
125	MP4B	Z	-10.051	1.5
126	MP4B	Mx	0	1.5
127	MP4C	X	-8.985	1.5
128	MP4C	Z	-5.188	1.5
129	MP4C	Mx	.01	1.5
130	MP4C	X	-8.985	1.5
131	MP4C	Z	-5.188	1.5
132	MP4C	Mx	.01	1.5
133	SP2	X	-44.345	1
134	SP2	Z	-25.603	1
135	SP2	Mx	.025	1
136	SP2	X	-44.345	1
137	SP2	Z	-25.603	1
138	SP2	Mx	.025	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-75.695	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
2	MP2A	Z	-131.107	1
3	MP2A	Mx	.033	1
4	MP2A	X	-75.695	5.5
5	MP2A	Z	-131.107	5.5
6	MP2A	Mx	.033	5.5
7	MP2B	X	-68.587	1
8	MP2B	Z	-118.796	1
9	MP2B	Mx	.057	1
10	MP2B	X	-68.587	5.5
11	MP2B	Z	-118.796	5.5
12	MP2B	Mx	.057	5.5
13	MP2C	X	-44.001	1
14	MP2C	Z	-76.212	1
15	MP2C	Mx	-.069	1
16	MP2C	X	-44.001	5.5
17	MP2C	Z	-76.212	5.5
18	MP2C	Mx	-.069	5.5
19	MP1A	X	-18.378	1.5
20	MP1A	Z	-31.831	1.5
21	MP1A	Mx	-.01	1.5
22	MP1A	X	-18.378	1.5
23	MP1A	Z	-31.831	1.5
24	MP1A	Mx	-.01	1.5
25	MP1B	X	-17.237	1.5
26	MP1B	Z	-29.856	1.5
27	MP1B	Mx	-.017	1.5
28	MP1B	X	-17.237	1.5
29	MP1B	Z	-29.856	1.5
30	MP1B	Mx	-.017	1.5
31	MP1C	X	-13.293	1.5
32	MP1C	Z	-23.023	1.5
33	MP1C	Mx	.025	1.5
34	MP1C	X	-13.293	1.5
35	MP1C	Z	-23.023	1.5
36	MP1C	Mx	.025	1.5
37	MP1A	X	-18.218	4
38	MP1A	Z	-31.554	4
39	MP1A	Mx	-.009	4
40	MP1A	X	-18.218	4
41	MP1A	Z	-31.554	4
42	MP1A	Mx	-.009	4
43	MP1B	X	-16.641	4
44	MP1B	Z	-28.822	4
45	MP1B	Mx	-.017	4
46	MP1B	X	-16.641	4
47	MP1B	Z	-28.822	4
48	MP1B	Mx	-.017	4
49	MP1C	X	-11.185	4
50	MP1C	Z	-19.373	4
51	MP1C	Mx	.021	4
52	MP1C	X	-11.185	4
53	MP1C	Z	-19.373	4
54	MP1C	Mx	.021	4
55	SP1	X	-26.721	1
56	SP1	Z	-46.282	1
57	SP1	Mx	.025	1
58	SP1	X	-26.721	1



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

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]	
59	SP1	Z	-46.282	1
60	SP1	Mx	.025	1
61	MP3A	X	-79.368	1
62	MP3A	Z	-137.469	1
63	MP3A	Mx	.162	1
64	MP3A	X	-79.368	5.5
65	MP3A	Z	-137.469	5.5
66	MP3A	Mx	.162	5.5
67	MP3B	X	-74.331	1
68	MP3B	Z	-128.744	1
69	MP3B	Mx	-.045	1
70	MP3B	X	-74.331	5.5
71	MP3B	Z	-128.744	5.5
72	MP3B	Mx	-.045	5.5
73	MP3C	X	-56.908	1
74	MP3C	Z	-98.568	1
75	MP3C	Mx	-.122	1
76	MP3C	X	-56.908	5.5
77	MP3C	Z	-98.568	5.5
78	MP3C	Mx	-.122	5.5
79	MP3A	X	-79.086	1
80	MP3A	Z	-136.981	1
81	MP3A	Mx	-.093	1
82	MP3A	X	-79.086	5.5
83	MP3A	Z	-136.981	5.5
84	MP3A	Mx	-.093	5.5
85	MP3B	X	-74.104	1
86	MP3B	Z	-128.353	1
87	MP3B	Mx	.169	1
88	MP3B	X	-74.104	5.5
89	MP3B	Z	-128.353	5.5
90	MP3B	Mx	.169	5.5
91	MP3C	X	-56.873	1
92	MP3C	Z	-98.507	1
93	MP3C	Mx	-.057	1
94	MP3C	X	-56.873	5.5
95	MP3C	Z	-98.507	5.5
96	MP3C	Mx	-.057	5.5
97	MP4A	X	-45.314	1.6
98	MP4A	Z	-78.486	1.6
99	MP4A	Mx	.02	1.6
100	MP4A	X	-45.314	4.46
101	MP4A	Z	-78.486	4.46
102	MP4A	Mx	.02	4.46
103	MP4B	X	-40.053	1.6
104	MP4B	Z	-69.374	1.6
105	MP4B	Mx	.033	1.6
106	MP4B	X	-40.053	4.46
107	MP4B	Z	-69.374	4.46
108	MP4B	Mx	.033	4.46
109	MP4C	X	-21.857	1.6
110	MP4C	Z	-37.857	1.6
111	MP4C	Mx	-.034	1.6
112	MP4C	X	-21.857	4.46
113	MP4C	Z	-37.857	4.46
114	MP4C	Mx	-.034	4.46
115	MP4A	X	-9.715	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
116	MP4A	Z	-16.827	1.5
117	MP4A	Mx	-.005	1.5
118	MP4A	X	-9.715	1.5
119	MP4A	Z	-16.827	1.5
120	MP4A	Mx	-.005	1.5
121	MP4B	X	-8.797	1.5
122	MP4B	Z	-15.237	1.5
123	MP4B	Mx	-.009	1.5
124	MP4B	X	-8.797	1.5
125	MP4B	Z	-15.237	1.5
126	MP4B	Mx	-.009	1.5
127	MP4C	X	-5.623	1.5
128	MP4C	Z	-9.739	1.5
129	MP4C	Mx	.011	1.5
130	MP4C	X	-5.623	1.5
131	MP4C	Z	-9.739	1.5
132	MP4C	Mx	.011	1.5
133	SP2	X	-26.721	1
134	SP2	Z	-46.282	1
135	SP2	Mx	.025	1
136	SP2	X	-26.721	1
137	SP2	Z	-46.282	1
138	SP2	Mx	.025	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-30.591	1
3	MP2A	Mx	-.007	1
4	MP2A	X	0	5.5
5	MP2A	Z	-30.591	5.5
6	MP2A	Mx	-.007	5.5
7	MP2B	X	0	1
8	MP2B	Z	-20.743	1
9	MP2B	Mx	.015	1
10	MP2B	X	0	5.5
11	MP2B	Z	-20.743	5.5
12	MP2B	Mx	.015	5.5
13	MP2C	X	0	1
14	MP2C	Z	-25.6	1
15	MP2C	Mx	-.014	1
16	MP2C	X	0	5.5
17	MP2C	Z	-25.6	5.5
18	MP2C	Mx	-.014	5.5
19	MP1A	X	0	1.5
20	MP1A	Z	-8.04	1.5
21	MP1A	Mx	.002	1.5
22	MP1A	X	0	1.5
23	MP1A	Z	-8.04	1.5
24	MP1A	Mx	.002	1.5
25	MP1B	X	0	1.5
26	MP1B	Z	-6.333	1.5
27	MP1B	Mx	-.005	1.5
28	MP1B	X	0	1.5
29	MP1B	Z	-6.333	1.5
30	MP1B	Mx	-.005	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
31	MP1C	X	0	1.5
32	MP1C	Z	-7.175	1.5
33	MP1C	Mx	.005	1.5
34	MP1C	X	0	1.5
35	MP1C	Z	-7.175	1.5
36	MP1C	Mx	.005	1.5
37	MP1A	X	0	4
38	MP1A	Z	-7.977	4
39	MP1A	Mx	.002	4
40	MP1A	X	0	4
41	MP1A	Z	-7.977	4
42	MP1A	Mx	.002	4
43	MP1B	X	0	4
44	MP1B	Z	-5.621	4
45	MP1B	Mx	-.005	4
46	MP1B	X	0	4
47	MP1B	Z	-5.621	4
48	MP1B	Mx	-.005	4
49	MP1C	X	0	4
50	MP1C	Z	-6.782	4
51	MP1C	Mx	.004	4
52	MP1C	X	0	4
53	MP1C	Z	-6.782	4
54	MP1C	Mx	.004	4
55	SP1	X	0	1
56	SP1	Z	-13.74	1
57	SP1	Mx	.004	1
58	SP1	X	0	1
59	SP1	Z	-13.74	1
60	SP1	Mx	.004	1
61	MP3A	X	0	1
62	MP3A	Z	-32.026	1
63	MP3A	Mx	.019	1
64	MP3A	X	0	5.5
65	MP3A	Z	-32.026	5.5
66	MP3A	Mx	.019	5.5
67	MP3B	X	0	1
68	MP3B	Z	-25.088	1
69	MP3B	Mx	.008	1
70	MP3B	X	0	5.5
71	MP3B	Z	-25.088	5.5
72	MP3B	Mx	.008	5.5
73	MP3C	X	0	1
74	MP3C	Z	-28.51	1
75	MP3C	Mx	-.033	1
76	MP3C	X	0	5.5
77	MP3C	Z	-28.51	5.5
78	MP3C	Mx	-.033	5.5
79	MP3A	X	0	1
80	MP3A	Z	-32.026	1
81	MP3A	Mx	-.033	1
82	MP3A	X	0	5.5
83	MP3A	Z	-32.026	5.5
84	MP3A	Mx	-.033	5.5
85	MP3B	X	0	1
86	MP3B	Z	-25.088	1
87	MP3B	Mx	.029	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
88	MP3B	X	0	5.5
89	MP3B	Z	-25.088	5.5
90	MP3B	Mx	.029	5.5
91	MP3C	X	0	1
92	MP3C	Z	-28.51	1
93	MP3C	Mx	.003	1
94	MP3C	X	0	5.5
95	MP3C	Z	-28.51	5.5
96	MP3C	Mx	.003	5.5
97	MP4A	X	0	1.6
98	MP4A	Z	-18.732	1.6
99	MP4A	Mx	-.004	1.6
100	MP4A	X	0	4.46
101	MP4A	Z	-18.732	4.46
102	MP4A	Mx	-.004	4.46
103	MP4B	X	0	1.6
104	MP4B	Z	-11.092	1.6
105	MP4B	Mx	.008	1.6
106	MP4B	X	0	4.46
107	MP4B	Z	-11.092	4.46
108	MP4B	Mx	.008	4.46
109	MP4C	X	0	1.6
110	MP4C	Z	-14.86	1.6
111	MP4C	Mx	-.008	1.6
112	MP4C	X	0	4.46
113	MP4C	Z	-14.86	4.46
114	MP4C	Mx	-.008	4.46
115	MP4A	X	0	1.5
116	MP4A	Z	-4.536	1.5
117	MP4A	Mx	.001	1.5
118	MP4A	X	0	1.5
119	MP4A	Z	-4.536	1.5
120	MP4A	Mx	.001	1.5
121	MP4B	X	0	1.5
122	MP4B	Z	-3.135	1.5
123	MP4B	Mx	-.003	1.5
124	MP4B	X	0	1.5
125	MP4B	Z	-3.135	1.5
126	MP4B	Mx	-.003	1.5
127	MP4C	X	0	1.5
128	MP4C	Z	-3.826	1.5
129	MP4C	Mx	.002	1.5
130	MP4C	X	0	1.5
131	MP4C	Z	-3.826	1.5
132	MP4C	Mx	.002	1.5
133	SP2	X	0	1
134	SP2	Z	-13.74	1
135	SP2	Mx	.004	1
136	SP2	X	0	1
137	SP2	Z	-13.74	1
138	SP2	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	12.174	1
2	MP2A	Z	-21.086	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
3	MP2A	Mx	-.014	1
4	MP2A	X	12.174	5.5
5	MP2A	Z	-21.086	5.5
6	MP2A	Mx	-.014	5.5
7	MP2B	X	8.569	1
8	MP2B	Z	-14.843	1
9	MP2B	Mx	.014	1
10	MP2B	X	8.569	5.5
11	MP2B	Z	-14.843	5.5
12	MP2B	Mx	.014	5.5
13	MP2C	X	15.561	1
14	MP2C	Z	-26.952	1
15	MP2C	Mx	-.005	1
16	MP2C	X	15.561	5.5
17	MP2C	Z	-26.952	5.5
18	MP2C	Mx	-.005	5.5
19	MP1A	X	3.479	1.5
20	MP1A	Z	-6.026	1.5
21	MP1A	Mx	.005	1.5
22	MP1A	X	3.479	1.5
23	MP1A	Z	-6.026	1.5
24	MP1A	Mx	.005	1.5
25	MP1B	X	2.854	1.5
26	MP1B	Z	-4.943	1.5
27	MP1B	Mx	-.006	1.5
28	MP1B	X	2.854	1.5
29	MP1B	Z	-4.943	1.5
30	MP1B	Mx	-.006	1.5
31	MP1C	X	4.066	1.5
32	MP1C	Z	-7.043	1.5
33	MP1C	Mx	.001	1.5
34	MP1C	X	4.066	1.5
35	MP1C	Z	-7.043	1.5
36	MP1C	Mx	.001	1.5
37	MP1A	X	3.241	4
38	MP1A	Z	-5.614	4
39	MP1A	Mx	.005	4
40	MP1A	X	3.241	4
41	MP1A	Z	-5.614	4
42	MP1A	Mx	.005	4
43	MP1B	X	2.379	4
44	MP1B	Z	-4.121	4
45	MP1B	Mx	-.005	4
46	MP1B	X	2.379	4
47	MP1B	Z	-4.121	4
48	MP1B	Mx	-.005	4
49	MP1C	X	4.052	4
50	MP1C	Z	-7.018	4
51	MP1C	Mx	.001	4
52	MP1C	X	4.052	4
53	MP1C	Z	-7.018	4
54	MP1C	Mx	.001	4
55	SP1	X	7.827	1
56	SP1	Z	-13.556	1
57	SP1	Mx	.001	1
58	SP1	X	7.827	1
59	SP1	Z	-13.556	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
60	SP1	Mx	.001	1
61	MP3A	X	13.814	1
62	MP3A	Z	-23.926	1
63	MP3A	Mx	0	1
64	MP3A	X	13.814	5.5
65	MP3A	Z	-23.926	5.5
66	MP3A	Mx	0	5.5
67	MP3B	X	11.275	1
68	MP3B	Z	-19.528	1
69	MP3B	Mx	.019	1
70	MP3B	X	11.275	5.5
71	MP3B	Z	-19.528	5.5
72	MP3B	Mx	.019	5.5
73	MP3C	X	16.2	1
74	MP3C	Z	-28.059	1
75	MP3C	Mx	-.031	1
76	MP3C	X	16.2	5.5
77	MP3C	Z	-28.059	5.5
78	MP3C	Mx	-.031	5.5
79	MP3A	X	13.814	1
80	MP3A	Z	-23.926	1
81	MP3A	Mx	-.033	1
82	MP3A	X	13.814	5.5
83	MP3A	Z	-23.926	5.5
84	MP3A	Mx	-.033	5.5
85	MP3B	X	11.275	1
86	MP3B	Z	-19.528	1
87	MP3B	Mx	.019	1
88	MP3B	X	11.275	5.5
89	MP3B	Z	-19.528	5.5
90	MP3B	Mx	.019	5.5
91	MP3C	X	16.2	1
92	MP3C	Z	-28.059	1
93	MP3C	Mx	.022	1
94	MP3C	X	16.2	5.5
95	MP3C	Z	-28.059	5.5
96	MP3C	Mx	.022	5.5
97	MP4A	X	6.944	1.6
98	MP4A	Z	-12.028	1.6
99	MP4A	Mx	-.008	1.6
100	MP4A	X	6.944	4.46
101	MP4A	Z	-12.028	4.46
102	MP4A	Mx	-.008	4.46
103	MP4B	X	4.148	1.6
104	MP4B	Z	-7.184	1.6
105	MP4B	Mx	.007	1.6
106	MP4B	X	4.148	4.46
107	MP4B	Z	-7.184	4.46
108	MP4B	Mx	.007	4.46
109	MP4C	X	9.572	1.6
110	MP4C	Z	-16.58	1.6
111	MP4C	Mx	-.003	1.6
112	MP4C	X	9.572	4.46
113	MP4C	Z	-16.58	4.46
114	MP4C	Mx	-.003	4.46
115	MP4A	X	1.824	1.5
116	MP4A	Z	-3.159	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
117	MP4A	Mx	.003	1.5
118	MP4A	X	1.824	1.5
119	MP4A	Z	-3.159	1.5
120	MP4A	Mx	.003	1.5
121	MP4B	X	1.311	1.5
122	MP4B	Z	-2.271	1.5
123	MP4B	Mx	-.003	1.5
124	MP4B	X	1.311	1.5
125	MP4B	Z	-2.271	1.5
126	MP4B	Mx	-.003	1.5
127	MP4C	X	2.306	1.5
128	MP4C	Z	-3.994	1.5
129	MP4C	Mx	.000801	1.5
130	MP4C	X	2.306	1.5
131	MP4C	Z	-3.994	1.5
132	MP4C	Mx	.000801	1.5
133	SP2	X	7.827	1
134	SP2	Z	-13.556	1
135	SP2	Mx	.001	1
136	SP2	X	7.827	1
137	SP2	Z	-13.556	1
138	SP2	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	15.679	1
2	MP2A	Z	-9.052	1
3	MP2A	Mx	-.015	1
4	MP2A	X	15.679	5.5
5	MP2A	Z	-9.052	5.5
6	MP2A	Mx	-.015	5.5
7	MP2B	X	17.964	1
8	MP2B	Z	-10.372	1
9	MP2B	Mx	.015	1
10	MP2B	X	17.964	5.5
11	MP2B	Z	-10.372	5.5
12	MP2B	Mx	.015	5.5
13	MP2C	X	25.868	1
14	MP2C	Z	-14.935	1
15	MP2C	Mx	.009	1
16	MP2C	X	25.868	5.5
17	MP2C	Z	-14.935	5.5
18	MP2C	Mx	.009	5.5
19	MP1A	X	5.088	1.5
20	MP1A	Z	-2.938	1.5
21	MP1A	Mx	.006	1.5
22	MP1A	X	5.088	1.5
23	MP1A	Z	-2.938	1.5
24	MP1A	Mx	.006	1.5
25	MP1B	X	5.485	1.5
26	MP1B	Z	-3.166	1.5
27	MP1B	Mx	-.005	1.5
28	MP1B	X	5.485	1.5
29	MP1B	Z	-3.166	1.5
30	MP1B	Mx	-.005	1.5
31	MP1C	X	6.855	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
32	MP1C	Z	-3.958	1.5
33	MP1C	Mx	-.003	1.5
34	MP1C	X	6.855	1.5
35	MP1C	Z	-3.958	1.5
36	MP1C	Mx	-.003	1.5
37	MP1A	X	4.321	4
38	MP1A	Z	-2.495	4
39	MP1A	Mx	.005	4
40	MP1A	X	4.321	4
41	MP1A	Z	-2.495	4
42	MP1A	Mx	.005	4
43	MP1B	X	4.868	4
44	MP1B	Z	-2.81	4
45	MP1B	Mx	-.005	4
46	MP1B	X	4.868	4
47	MP1B	Z	-2.81	4
48	MP1B	Mx	-.005	4
49	MP1C	X	6.759	4
50	MP1C	Z	-3.902	4
51	MP1C	Mx	-.003	4
52	MP1C	X	6.759	4
53	MP1C	Z	-3.902	4
54	MP1C	Mx	-.003	4
55	SP1	X	13.18	1
56	SP1	Z	-7.61	1
57	SP1	Mx	-.003	1
58	SP1	X	13.18	1
59	SP1	Z	-7.61	1
60	SP1	Mx	-.003	1
61	MP3A	X	20.117	1
62	MP3A	Z	-11.615	1
63	MP3A	Mx	-.014	1
64	MP3A	X	20.117	5.5
65	MP3A	Z	-11.615	5.5
66	MP3A	Mx	-.014	5.5
67	MP3B	X	21.727	1
68	MP3B	Z	-12.544	1
69	MP3B	Mx	.029	1
70	MP3B	X	21.727	5.5
71	MP3B	Z	-12.544	5.5
72	MP3B	Mx	.029	5.5
73	MP3C	X	27.295	1
74	MP3C	Z	-15.759	1
75	MP3C	Mx	-.016	1
76	MP3C	X	27.295	5.5
77	MP3C	Z	-15.759	5.5
78	MP3C	Mx	-.016	5.5
79	MP3A	X	20.117	1
80	MP3A	Z	-11.615	1
81	MP3A	Mx	-.024	1
82	MP3A	X	20.117	5.5
83	MP3A	Z	-11.615	5.5
84	MP3A	Mx	-.024	5.5
85	MP3B	X	21.727	1
86	MP3B	Z	-12.544	1
87	MP3B	Mx	.008	1
88	MP3B	X	21.727	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
89	MP3B	Z	-12.544	5.5
90	MP3B	Mx	.008	5.5
91	MP3C	X	27.295	1
92	MP3C	Z	-15.759	1
93	MP3C	Mx	.034	1
94	MP3C	X	27.295	5.5
95	MP3C	Z	-15.759	5.5
96	MP3C	Mx	.034	5.5
97	MP4A	X	7.833	1.6
98	MP4A	Z	-4.522	1.6
99	MP4A	Mx	-.007	1.6
100	MP4A	X	7.833	4.46
101	MP4A	Z	-4.522	4.46
102	MP4A	Mx	-.007	4.46
103	MP4B	X	9.606	1.6
104	MP4B	Z	-5.546	1.6
105	MP4B	Mx	.008	1.6
106	MP4B	X	9.606	4.46
107	MP4B	Z	-5.546	4.46
108	MP4B	Mx	.008	4.46
109	MP4C	X	15.738	1.6
110	MP4C	Z	-9.087	1.6
111	MP4C	Mx	.005	1.6
112	MP4C	X	15.738	4.46
113	MP4C	Z	-9.087	4.46
114	MP4C	Mx	.005	4.46
115	MP4A	X	2.39	1.5
116	MP4A	Z	-1.38	1.5
117	MP4A	Mx	.003	1.5
118	MP4A	X	2.39	1.5
119	MP4A	Z	-1.38	1.5
120	MP4A	Mx	.003	1.5
121	MP4B	X	2.715	1.5
122	MP4B	Z	-1.568	1.5
123	MP4B	Mx	-.003	1.5
124	MP4B	X	2.715	1.5
125	MP4B	Z	-1.568	1.5
126	MP4B	Mx	-.003	1.5
127	MP4C	X	3.84	1.5
128	MP4C	Z	-2.217	1.5
129	MP4C	Mx	-.002	1.5
130	MP4C	X	3.84	1.5
131	MP4C	Z	-2.217	1.5
132	MP4C	Mx	-.002	1.5
133	SP2	X	13.18	1
134	SP2	Z	-7.61	1
135	SP2	Mx	-.003	1
136	SP2	X	13.18	1
137	SP2	Z	-7.61	1
138	SP2	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	18.105	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.015	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
4	MP2A	X	18.105	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.015	5.5
7	MP2B	X	27.952	1
8	MP2B	Z	0	1
9	MP2B	Mx	.012	1
10	MP2B	X	27.952	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.012	5.5
13	MP2C	X	23.096	1
14	MP2C	Z	0	1
15	MP2C	Mx	.015	1
16	MP2C	X	23.096	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.015	5.5
19	MP1A	X	5.876	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	.006	1.5
22	MP1A	X	5.876	1.5
23	MP1A	Z	0	1.5
24	MP1A	Mx	.006	1.5
25	MP1B	X	7.583	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	-.004	1.5
28	MP1B	X	7.583	1.5
29	MP1B	Z	0	1.5
30	MP1B	Mx	-.004	1.5
31	MP1C	X	6.741	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	-.005	1.5
34	MP1C	X	6.741	1.5
35	MP1C	Z	0	1.5
36	MP1C	Mx	-.005	1.5
37	MP1A	X	4.989	4
38	MP1A	Z	0	4
39	MP1A	Mx	.005	4
40	MP1A	X	4.989	4
41	MP1A	Z	0	4
42	MP1A	Mx	.005	4
43	MP1B	X	7.345	4
44	MP1B	Z	0	4
45	MP1B	Mx	-.004	4
46	MP1B	X	7.345	4
47	MP1B	Z	0	4
48	MP1B	Mx	-.004	4
49	MP1C	X	6.183	4
50	MP1C	Z	0	4
51	MP1C	Mx	-.005	4
52	MP1C	X	6.183	4
53	MP1C	Z	0	4
54	MP1C	Mx	-.005	4
55	SP1	X	12.872	1
56	SP1	Z	0	1
57	SP1	Mx	-.005	1
58	SP1	X	12.872	1
59	SP1	Z	0	1
60	SP1	Mx	-.005	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
61	MP3A	X	23.23	1
62	MP3A	Z	0	1
63	MP3A	Mx	-.024	1
64	MP3A	X	23.23	5.5
65	MP3A	Z	0	5.5
66	MP3A	Mx	-.024	5.5
67	MP3B	X	30.167	1
68	MP3B	Z	0	1
69	MP3B	Mx	.034	1
70	MP3B	X	30.167	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	.034	5.5
73	MP3C	X	26.746	1
74	MP3C	Z	0	1
75	MP3C	Mx	.003	1
76	MP3C	X	26.746	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	.003	5.5
79	MP3A	X	23.23	1
80	MP3A	Z	0	1
81	MP3A	Mx	-.014	1
82	MP3A	X	23.23	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	-.014	5.5
85	MP3B	X	30.167	1
86	MP3B	Z	0	1
87	MP3B	Mx	-.009	1
88	MP3B	X	30.167	5.5
89	MP3B	Z	0	5.5
90	MP3B	Mx	-.009	5.5
91	MP3C	X	26.746	1
92	MP3C	Z	0	1
93	MP3C	Mx	.031	1
94	MP3C	X	26.746	5.5
95	MP3C	Z	0	5.5
96	MP3C	Mx	.031	5.5
97	MP4A	X	9.045	1.6
98	MP4A	Z	0	1.6
99	MP4A	Mx	-.007	1.6
100	MP4A	X	9.045	4.46
101	MP4A	Z	0	4.46
102	MP4A	Mx	-.007	4.46
103	MP4B	X	16.685	1.6
104	MP4B	Z	0	1.6
105	MP4B	Mx	.007	1.6
106	MP4B	X	16.685	4.46
107	MP4B	Z	0	4.46
108	MP4B	Mx	.007	4.46
109	MP4C	X	12.917	1.6
110	MP4C	Z	0	1.6
111	MP4C	Mx	.008	1.6
112	MP4C	X	12.917	4.46
113	MP4C	Z	0	4.46
114	MP4C	Mx	.008	4.46
115	MP4A	X	2.76	1.5
116	MP4A	Z	0	1.5
117	MP4A	Mx	.003	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
118	MP4A	X	2.76	1.5
119	MP4A	Z	0	1.5
120	MP4A	Mx	.003	1.5
121	MP4B	X	4.161	1.5
122	MP4B	Z	0	1.5
123	MP4B	Mx	-.002	1.5
124	MP4B	X	4.161	1.5
125	MP4B	Z	0	1.5
126	MP4B	Mx	-.002	1.5
127	MP4C	X	3.47	1.5
128	MP4C	Z	0	1.5
129	MP4C	Mx	-.003	1.5
130	MP4C	X	3.47	1.5
131	MP4C	Z	0	1.5
132	MP4C	Mx	-.003	1.5
133	SP2	X	12.872	1
134	SP2	Z	0	1
135	SP2	Mx	-.005	1
136	SP2	X	12.872	1
137	SP2	Z	0	1
138	SP2	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	21.086	1
2	MP2A	Z	12.174	1
3	MP2A	Mx	-.014	1
4	MP2A	X	21.086	5.5
5	MP2A	Z	12.174	5.5
6	MP2A	Mx	-.014	5.5
7	MP2B	X	27.329	1
8	MP2B	Z	15.778	1
9	MP2B	Mx	0	1
10	MP2B	X	27.329	5.5
11	MP2B	Z	15.778	5.5
12	MP2B	Mx	0	5.5
13	MP2C	X	15.219	1
14	MP2C	Z	8.787	1
15	MP2C	Mx	.014	1
16	MP2C	X	15.219	5.5
17	MP2C	Z	8.787	5.5
18	MP2C	Mx	.014	5.5
19	MP1A	X	6.026	1.5
20	MP1A	Z	3.479	1.5
21	MP1A	Mx	.005	1.5
22	MP1A	X	6.026	1.5
23	MP1A	Z	3.479	1.5
24	MP1A	Mx	.005	1.5
25	MP1B	X	7.108	1.5
26	MP1B	Z	4.104	1.5
27	MP1B	Mx	0	1.5
28	MP1B	X	7.108	1.5
29	MP1B	Z	4.104	1.5
30	MP1B	Mx	0	1.5
31	MP1C	X	5.009	1.5
32	MP1C	Z	2.892	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
33	MP1C	Mx	-.006	1.5
34	MP1C	X	5.009	1.5
35	MP1C	Z	2.892	1.5
36	MP1C	Mx	-.006	1.5
37	MP1A	X	5.614	4
38	MP1A	Z	3.241	4
39	MP1A	Mx	.005	4
40	MP1A	X	5.614	4
41	MP1A	Z	3.241	4
42	MP1A	Mx	.005	4
43	MP1B	X	7.108	4
44	MP1B	Z	4.104	4
45	MP1B	Mx	0	4
46	MP1B	X	7.108	4
47	MP1B	Z	4.104	4
48	MP1B	Mx	0	4
49	MP1C	X	4.211	4
50	MP1C	Z	2.431	4
51	MP1C	Mx	-.005	4
52	MP1C	X	4.211	4
53	MP1C	Z	2.431	4
54	MP1C	Mx	-.005	4
55	SP1	X	9.49	1
56	SP1	Z	5.479	1
57	SP1	Mx	-.005	1
58	SP1	X	9.49	1
59	SP1	Z	5.479	1
60	SP1	Mx	-.005	1
61	MP3A	X	23.926	1
62	MP3A	Z	13.814	1
63	MP3A	Mx	-.033	1
64	MP3A	X	23.926	5.5
65	MP3A	Z	13.814	5.5
66	MP3A	Mx	-.033	5.5
67	MP3B	X	28.324	1
68	MP3B	Z	16.353	1
69	MP3B	Mx	.027	1
70	MP3B	X	28.324	5.5
71	MP3B	Z	16.353	5.5
72	MP3B	Mx	.027	5.5
73	MP3C	X	19.793	1
74	MP3C	Z	11.428	1
75	MP3C	Mx	.015	1
76	MP3C	X	19.793	5.5
77	MP3C	Z	11.428	5.5
78	MP3C	Mx	.015	5.5
79	MP3A	X	23.926	1
80	MP3A	Z	13.814	1
81	MP3A	Mx	0	1
82	MP3A	X	23.926	5.5
83	MP3A	Z	13.814	5.5
84	MP3A	Mx	0	5.5
85	MP3B	X	28.324	1
86	MP3B	Z	16.353	1
87	MP3B	Mx	-.027	1
88	MP3B	X	28.324	5.5
89	MP3B	Z	16.353	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
90	MP3B	Mx	-.027	5.5
91	MP3C	X	19.793	1
92	MP3C	Z	11.428	1
93	MP3C	Mx	.022	1
94	MP3C	X	19.793	5.5
95	MP3C	Z	11.428	5.5
96	MP3C	Mx	.022	5.5
97	MP4A	X	12.028	1.6
98	MP4A	Z	6.944	1.6
99	MP4A	Mx	-.008	1.6
100	MP4A	X	12.028	4.46
101	MP4A	Z	6.944	4.46
102	MP4A	Mx	-.008	4.46
103	MP4B	X	16.872	1.6
104	MP4B	Z	9.741	1.6
105	MP4B	Mx	0	1.6
106	MP4B	X	16.872	4.46
107	MP4B	Z	9.741	4.46
108	MP4B	Mx	0	4.46
109	MP4C	X	7.476	1.6
110	MP4C	Z	4.316	1.6
111	MP4C	Mx	.007	1.6
112	MP4C	X	7.476	4.46
113	MP4C	Z	4.316	4.46
114	MP4C	Mx	.007	4.46
115	MP4A	X	3.159	1.5
116	MP4A	Z	1.824	1.5
117	MP4A	Mx	.003	1.5
118	MP4A	X	3.159	1.5
119	MP4A	Z	1.824	1.5
120	MP4A	Mx	.003	1.5
121	MP4B	X	4.048	1.5
122	MP4B	Z	2.337	1.5
123	MP4B	Mx	0	1.5
124	MP4B	X	4.048	1.5
125	MP4B	Z	2.337	1.5
126	MP4B	Mx	0	1.5
127	MP4C	X	2.325	1.5
128	MP4C	Z	1.342	1.5
129	MP4C	Mx	-.003	1.5
130	MP4C	X	2.325	1.5
131	MP4C	Z	1.342	1.5
132	MP4C	Mx	-.003	1.5
133	SP2	X	9.49	1
134	SP2	Z	5.479	1
135	SP2	Mx	-.005	1
136	SP2	X	9.49	1
137	SP2	Z	5.479	1
138	SP2	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	15.295	1
2	MP2A	Z	26.492	1
3	MP2A	Mx	-.007	1
4	MP2A	X	15.295	5.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	Z	26.492	5.5
6	MP2A	Mx	-.007	5.5
7	MP2B	X	13.976	1
8	MP2B	Z	24.207	1
9	MP2B	Mx	-.012	1
10	MP2B	X	13.976	5.5
11	MP2B	Z	24.207	5.5
12	MP2B	Mx	-.012	5.5
13	MP2C	X	9.413	1
14	MP2C	Z	16.303	1
15	MP2C	Mx	.015	1
16	MP2C	X	9.413	5.5
17	MP2C	Z	16.303	5.5
18	MP2C	Mx	.015	5.5
19	MP1A	X	4.02	1.5
20	MP1A	Z	6.963	1.5
21	MP1A	Mx	.002	1.5
22	MP1A	X	4.02	1.5
23	MP1A	Z	6.963	1.5
24	MP1A	Mx	.002	1.5
25	MP1B	X	3.791	1.5
26	MP1B	Z	6.567	1.5
27	MP1B	Mx	.004	1.5
28	MP1B	X	3.791	1.5
29	MP1B	Z	6.567	1.5
30	MP1B	Mx	.004	1.5
31	MP1C	X	3	1.5
32	MP1C	Z	5.197	1.5
33	MP1C	Mx	-.006	1.5
34	MP1C	X	3	1.5
35	MP1C	Z	5.197	1.5
36	MP1C	Mx	-.006	1.5
37	MP1A	X	3.988	4
38	MP1A	Z	6.908	4
39	MP1A	Mx	.002	4
40	MP1A	X	3.988	4
41	MP1A	Z	6.908	4
42	MP1A	Mx	.002	4
43	MP1B	X	3.673	4
44	MP1B	Z	6.361	4
45	MP1B	Mx	.004	4
46	MP1B	X	3.673	4
47	MP1B	Z	6.361	4
48	MP1B	Mx	.004	4
49	MP1C	X	2.581	4
50	MP1C	Z	4.47	4
51	MP1C	Mx	-.005	4
52	MP1C	X	2.581	4
53	MP1C	Z	4.47	4
54	MP1C	Mx	-.005	4
55	SP1	X	5.696	1
56	SP1	Z	9.866	1
57	SP1	Mx	-.005	1
58	SP1	X	5.696	1
59	SP1	Z	9.866	1
60	SP1	Mx	-.005	1
61	MP3A	X	16.013	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
62	MP3A	Z	27.735	1
63	MP3A	Mx	-.033	1
64	MP3A	X	16.013	5.5
65	MP3A	Z	27.735	5.5
66	MP3A	Mx	-.033	5.5
67	MP3B	X	15.083	1
68	MP3B	Z	26.125	1
69	MP3B	Mx	.009	1
70	MP3B	X	15.083	5.5
71	MP3B	Z	26.125	5.5
72	MP3B	Mx	.009	5.5
73	MP3C	X	11.869	1
74	MP3C	Z	20.557	1
75	MP3C	Mx	.025	1
76	MP3C	X	11.869	5.5
77	MP3C	Z	20.557	5.5
78	MP3C	Mx	.025	5.5
79	MP3A	X	16.013	1
80	MP3A	Z	27.735	1
81	MP3A	Mx	.019	1
82	MP3A	X	16.013	5.5
83	MP3A	Z	27.735	5.5
84	MP3A	Mx	.019	5.5
85	MP3B	X	15.083	1
86	MP3B	Z	26.125	1
87	MP3B	Mx	-.034	1
88	MP3B	X	15.083	5.5
89	MP3B	Z	26.125	5.5
90	MP3B	Mx	-.034	5.5
91	MP3C	X	11.869	1
92	MP3C	Z	20.557	1
93	MP3C	Mx	.012	1
94	MP3C	X	11.869	5.5
95	MP3C	Z	20.557	5.5
96	MP3C	Mx	.012	5.5
97	MP4A	X	9.366	1.6
98	MP4A	Z	16.223	1.6
99	MP4A	Mx	-.004	1.6
100	MP4A	X	9.366	4.46
101	MP4A	Z	16.223	4.46
102	MP4A	Mx	-.004	4.46
103	MP4B	X	8.343	1.6
104	MP4B	Z	14.45	1.6
105	MP4B	Mx	-.007	1.6
106	MP4B	X	8.343	4.46
107	MP4B	Z	14.45	4.46
108	MP4B	Mx	-.007	4.46
109	MP4C	X	4.802	1.6
110	MP4C	Z	8.317	1.6
111	MP4C	Mx	.008	1.6
112	MP4C	X	4.802	4.46
113	MP4C	Z	8.317	4.46
114	MP4C	Mx	.008	4.46
115	MP4A	X	2.268	1.5
116	MP4A	Z	3.929	1.5
117	MP4A	Mx	.001	1.5
118	MP4A	X	2.268	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
119	MP4A	Z	3.929	1.5
120	MP4A	Mx	.001	1.5
121	MP4B	X	2.08	1.5
122	MP4B	Z	3.603	1.5
123	MP4B	Mx	.002	1.5
124	MP4B	X	2.08	1.5
125	MP4B	Z	3.603	1.5
126	MP4B	Mx	.002	1.5
127	MP4C	X	1.431	1.5
128	MP4C	Z	2.479	1.5
129	MP4C	Mx	-.003	1.5
130	MP4C	X	1.431	1.5
131	MP4C	Z	2.479	1.5
132	MP4C	Mx	-.003	1.5
133	SP2	X	5.696	1
134	SP2	Z	9.866	1
135	SP2	Mx	-.005	1
136	SP2	X	5.696	1
137	SP2	Z	9.866	1
138	SP2	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	0	1
2	MP2A	Z	30.591	1
3	MP2A	Mx	.007	1
4	MP2A	X	0	5.5
5	MP2A	Z	30.591	5.5
6	MP2A	Mx	.007	5.5
7	MP2B	X	0	1
8	MP2B	Z	20.743	1
9	MP2B	Mx	-.015	1
10	MP2B	X	0	5.5
11	MP2B	Z	20.743	5.5
12	MP2B	Mx	-.015	5.5
13	MP2C	X	0	1
14	MP2C	Z	25.6	1
15	MP2C	Mx	.014	1
16	MP2C	X	0	5.5
17	MP2C	Z	25.6	5.5
18	MP2C	Mx	.014	5.5
19	MP1A	X	0	1.5
20	MP1A	Z	8.04	1.5
21	MP1A	Mx	-.002	1.5
22	MP1A	X	0	1.5
23	MP1A	Z	8.04	1.5
24	MP1A	Mx	-.002	1.5
25	MP1B	X	0	1.5
26	MP1B	Z	6.333	1.5
27	MP1B	Mx	.005	1.5
28	MP1B	X	0	1.5
29	MP1B	Z	6.333	1.5
30	MP1B	Mx	.005	1.5
31	MP1C	X	0	1.5
32	MP1C	Z	7.175	1.5
33	MP1C	Mx	-.005	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
34	MP1C	X	0	1.5
35	MP1C	Z	7.175	1.5
36	MP1C	Mx	-.005	1.5
37	MP1A	X	0	4
38	MP1A	Z	7.977	4
39	MP1A	Mx	-.002	4
40	MP1A	X	0	4
41	MP1A	Z	7.977	4
42	MP1A	Mx	-.002	4
43	MP1B	X	0	4
44	MP1B	Z	5.621	4
45	MP1B	Mx	.005	4
46	MP1B	X	0	4
47	MP1B	Z	5.621	4
48	MP1B	Mx	.005	4
49	MP1C	X	0	4
50	MP1C	Z	6.782	4
51	MP1C	Mx	-.004	4
52	MP1C	X	0	4
53	MP1C	Z	6.782	4
54	MP1C	Mx	-.004	4
55	SP1	X	0	1
56	SP1	Z	13.74	1
57	SP1	Mx	-.004	1
58	SP1	X	0	1
59	SP1	Z	13.74	1
60	SP1	Mx	-.004	1
61	MP3A	X	0	1
62	MP3A	Z	32.026	1
63	MP3A	Mx	-.019	1
64	MP3A	X	0	5.5
65	MP3A	Z	32.026	5.5
66	MP3A	Mx	-.019	5.5
67	MP3B	X	0	1
68	MP3B	Z	25.088	1
69	MP3B	Mx	-.008	1
70	MP3B	X	0	5.5
71	MP3B	Z	25.088	5.5
72	MP3B	Mx	-.008	5.5
73	MP3C	X	0	1
74	MP3C	Z	28.51	1
75	MP3C	Mx	.033	1
76	MP3C	X	0	5.5
77	MP3C	Z	28.51	5.5
78	MP3C	Mx	.033	5.5
79	MP3A	X	0	1
80	MP3A	Z	32.026	1
81	MP3A	Mx	.033	1
82	MP3A	X	0	5.5
83	MP3A	Z	32.026	5.5
84	MP3A	Mx	.033	5.5
85	MP3B	X	0	1
86	MP3B	Z	25.088	1
87	MP3B	Mx	-.029	1
88	MP3B	X	0	5.5
89	MP3B	Z	25.088	5.5
90	MP3B	Mx	-.029	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
91	MP3C	X	0	1
92	MP3C	Z	28.51	1
93	MP3C	Mx	-.003	1
94	MP3C	X	0	5.5
95	MP3C	Z	28.51	5.5
96	MP3C	Mx	-.003	5.5
97	MP4A	X	0	1.6
98	MP4A	Z	18.732	1.6
99	MP4A	Mx	.004	1.6
100	MP4A	X	0	4.46
101	MP4A	Z	18.732	4.46
102	MP4A	Mx	.004	4.46
103	MP4B	X	0	1.6
104	MP4B	Z	11.092	1.6
105	MP4B	Mx	-.008	1.6
106	MP4B	X	0	4.46
107	MP4B	Z	11.092	4.46
108	MP4B	Mx	-.008	4.46
109	MP4C	X	0	1.6
110	MP4C	Z	14.86	1.6
111	MP4C	Mx	.008	1.6
112	MP4C	X	0	4.46
113	MP4C	Z	14.86	4.46
114	MP4C	Mx	.008	4.46
115	MP4A	X	0	1.5
116	MP4A	Z	4.536	1.5
117	MP4A	Mx	-.001	1.5
118	MP4A	X	0	1.5
119	MP4A	Z	4.536	1.5
120	MP4A	Mx	-.001	1.5
121	MP4B	X	0	1.5
122	MP4B	Z	3.135	1.5
123	MP4B	Mx	.003	1.5
124	MP4B	X	0	1.5
125	MP4B	Z	3.135	1.5
126	MP4B	Mx	.003	1.5
127	MP4C	X	0	1.5
128	MP4C	Z	3.826	1.5
129	MP4C	Mx	-.002	1.5
130	MP4C	X	0	1.5
131	MP4C	Z	3.826	1.5
132	MP4C	Mx	-.002	1.5
133	SP2	X	0	1
134	SP2	Z	13.74	1
135	SP2	Mx	-.004	1
136	SP2	X	0	1
137	SP2	Z	13.74	1
138	SP2	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-12.174	1
2	MP2A	Z	21.086	1
3	MP2A	Mx	.014	1
4	MP2A	X	-12.174	5.5
5	MP2A	Z	21.086	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP2A	Mx	.014	5.5
7	MP2B	X	-8.569	1
8	MP2B	Z	14.843	1
9	MP2B	Mx	-.014	1
10	MP2B	X	-8.569	5.5
11	MP2B	Z	14.843	5.5
12	MP2B	Mx	-.014	5.5
13	MP2C	X	-15.561	1
14	MP2C	Z	26.952	1
15	MP2C	Mx	.005	1
16	MP2C	X	-15.561	5.5
17	MP2C	Z	26.952	5.5
18	MP2C	Mx	.005	5.5
19	MP1A	X	-3.479	1.5
20	MP1A	Z	6.026	1.5
21	MP1A	Mx	-.005	1.5
22	MP1A	X	-3.479	1.5
23	MP1A	Z	6.026	1.5
24	MP1A	Mx	-.005	1.5
25	MP1B	X	-2.854	1.5
26	MP1B	Z	4.943	1.5
27	MP1B	Mx	.006	1.5
28	MP1B	X	-2.854	1.5
29	MP1B	Z	4.943	1.5
30	MP1B	Mx	.006	1.5
31	MP1C	X	-4.066	1.5
32	MP1C	Z	7.043	1.5
33	MP1C	Mx	-.001	1.5
34	MP1C	X	-4.066	1.5
35	MP1C	Z	7.043	1.5
36	MP1C	Mx	-.001	1.5
37	MP1A	X	-3.241	4
38	MP1A	Z	5.614	4
39	MP1A	Mx	-.005	4
40	MP1A	X	-3.241	4
41	MP1A	Z	5.614	4
42	MP1A	Mx	-.005	4
43	MP1B	X	-2.379	4
44	MP1B	Z	4.121	4
45	MP1B	Mx	.005	4
46	MP1B	X	-2.379	4
47	MP1B	Z	4.121	4
48	MP1B	Mx	.005	4
49	MP1C	X	-4.052	4
50	MP1C	Z	7.018	4
51	MP1C	Mx	-.001	4
52	MP1C	X	-4.052	4
53	MP1C	Z	7.018	4
54	MP1C	Mx	-.001	4
55	SP1	X	-7.827	1
56	SP1	Z	13.556	1
57	SP1	Mx	-.001	1
58	SP1	X	-7.827	1
59	SP1	Z	13.556	1
60	SP1	Mx	-.001	1
61	MP3A	X	-13.814	1
62	MP3A	Z	23.926	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
63	MP3A	Mx	0	1
64	MP3A	X	-13.814	5.5
65	MP3A	Z	23.926	5.5
66	MP3A	Mx	0	5.5
67	MP3B	X	-11.275	1
68	MP3B	Z	19.528	1
69	MP3B	Mx	-.019	1
70	MP3B	X	-11.275	5.5
71	MP3B	Z	19.528	5.5
72	MP3B	Mx	-.019	5.5
73	MP3C	X	-16.2	1
74	MP3C	Z	28.059	1
75	MP3C	Mx	.031	1
76	MP3C	X	-16.2	5.5
77	MP3C	Z	28.059	5.5
78	MP3C	Mx	.031	5.5
79	MP3A	X	-13.814	1
80	MP3A	Z	23.926	1
81	MP3A	Mx	.033	1
82	MP3A	X	-13.814	5.5
83	MP3A	Z	23.926	5.5
84	MP3A	Mx	.033	5.5
85	MP3B	X	-11.275	1
86	MP3B	Z	19.528	1
87	MP3B	Mx	-.019	1
88	MP3B	X	-11.275	5.5
89	MP3B	Z	19.528	5.5
90	MP3B	Mx	-.019	5.5
91	MP3C	X	-16.2	1
92	MP3C	Z	28.059	1
93	MP3C	Mx	-.022	1
94	MP3C	X	-16.2	5.5
95	MP3C	Z	28.059	5.5
96	MP3C	Mx	-.022	5.5
97	MP4A	X	-6.944	1.6
98	MP4A	Z	12.028	1.6
99	MP4A	Mx	.008	1.6
100	MP4A	X	-6.944	4.46
101	MP4A	Z	12.028	4.46
102	MP4A	Mx	.008	4.46
103	MP4B	X	-4.148	1.6
104	MP4B	Z	7.184	1.6
105	MP4B	Mx	-.007	1.6
106	MP4B	X	-4.148	4.46
107	MP4B	Z	7.184	4.46
108	MP4B	Mx	-.007	4.46
109	MP4C	X	-9.572	1.6
110	MP4C	Z	16.58	1.6
111	MP4C	Mx	.003	1.6
112	MP4C	X	-9.572	4.46
113	MP4C	Z	16.58	4.46
114	MP4C	Mx	.003	4.46
115	MP4A	X	-1.824	1.5
116	MP4A	Z	3.159	1.5
117	MP4A	Mx	-.003	1.5
118	MP4A	X	-1.824	1.5
119	MP4A	Z	3.159	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
120	MP4A	Mx	-.003	1.5
121	MP4B	X	-1.311	1.5
122	MP4B	Z	2.271	1.5
123	MP4B	Mx	.003	1.5
124	MP4B	X	-1.311	1.5
125	MP4B	Z	2.271	1.5
126	MP4B	Mx	.003	1.5
127	MP4C	X	-2.306	1.5
128	MP4C	Z	3.994	1.5
129	MP4C	Mx	-.000801	1.5
130	MP4C	X	-2.306	1.5
131	MP4C	Z	3.994	1.5
132	MP4C	Mx	-.000801	1.5
133	SP2	X	-7.827	1
134	SP2	Z	13.556	1
135	SP2	Mx	-.001	1
136	SP2	X	-7.827	1
137	SP2	Z	13.556	1
138	SP2	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-15.679	1
2	MP2A	Z	9.052	1
3	MP2A	Mx	.015	1
4	MP2A	X	-15.679	5.5
5	MP2A	Z	9.052	5.5
6	MP2A	Mx	.015	5.5
7	MP2B	X	-17.964	1
8	MP2B	Z	10.372	1
9	MP2B	Mx	-.015	1
10	MP2B	X	-17.964	5.5
11	MP2B	Z	10.372	5.5
12	MP2B	Mx	-.015	5.5
13	MP2C	X	-25.868	1
14	MP2C	Z	14.935	1
15	MP2C	Mx	-.009	1
16	MP2C	X	-25.868	5.5
17	MP2C	Z	14.935	5.5
18	MP2C	Mx	-.009	5.5
19	MP1A	X	-5.088	1.5
20	MP1A	Z	2.938	1.5
21	MP1A	Mx	-.006	1.5
22	MP1A	X	-5.088	1.5
23	MP1A	Z	2.938	1.5
24	MP1A	Mx	-.006	1.5
25	MP1B	X	-5.485	1.5
26	MP1B	Z	3.166	1.5
27	MP1B	Mx	.005	1.5
28	MP1B	X	-5.485	1.5
29	MP1B	Z	3.166	1.5
30	MP1B	Mx	.005	1.5
31	MP1C	X	-6.855	1.5
32	MP1C	Z	3.958	1.5
33	MP1C	Mx	.003	1.5
34	MP1C	X	-6.855	1.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP1C	Z	3.958	1.5
36	MP1C	Mx	.003	1.5
37	MP1A	X	-4.321	4
38	MP1A	Z	2.495	4
39	MP1A	Mx	-.005	4
40	MP1A	X	-4.321	4
41	MP1A	Z	2.495	4
42	MP1A	Mx	-.005	4
43	MP1B	X	-4.868	4
44	MP1B	Z	2.81	4
45	MP1B	Mx	.005	4
46	MP1B	X	-4.868	4
47	MP1B	Z	2.81	4
48	MP1B	Mx	.005	4
49	MP1C	X	-6.759	4
50	MP1C	Z	3.902	4
51	MP1C	Mx	.003	4
52	MP1C	X	-6.759	4
53	MP1C	Z	3.902	4
54	MP1C	Mx	.003	4
55	SP1	X	-13.18	1
56	SP1	Z	7.61	1
57	SP1	Mx	.003	1
58	SP1	X	-13.18	1
59	SP1	Z	7.61	1
60	SP1	Mx	.003	1
61	MP3A	X	-20.117	1
62	MP3A	Z	11.615	1
63	MP3A	Mx	.014	1
64	MP3A	X	-20.117	5.5
65	MP3A	Z	11.615	5.5
66	MP3A	Mx	.014	5.5
67	MP3B	X	-21.727	1
68	MP3B	Z	12.544	1
69	MP3B	Mx	-.029	1
70	MP3B	X	-21.727	5.5
71	MP3B	Z	12.544	5.5
72	MP3B	Mx	-.029	5.5
73	MP3C	X	-27.295	1
74	MP3C	Z	15.759	1
75	MP3C	Mx	.016	1
76	MP3C	X	-27.295	5.5
77	MP3C	Z	15.759	5.5
78	MP3C	Mx	.016	5.5
79	MP3A	X	-20.117	1
80	MP3A	Z	11.615	1
81	MP3A	Mx	.024	1
82	MP3A	X	-20.117	5.5
83	MP3A	Z	11.615	5.5
84	MP3A	Mx	.024	5.5
85	MP3B	X	-21.727	1
86	MP3B	Z	12.544	1
87	MP3B	Mx	-.008	1
88	MP3B	X	-21.727	5.5
89	MP3B	Z	12.544	5.5
90	MP3B	Mx	-.008	5.5
91	MP3C	X	-27.295	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
92	MP3C	Z	15.759	1
93	MP3C	Mx	-.034	1
94	MP3C	X	-27.295	5.5
95	MP3C	Z	15.759	5.5
96	MP3C	Mx	-.034	5.5
97	MP4A	X	-7.833	1.6
98	MP4A	Z	4.522	1.6
99	MP4A	Mx	.007	1.6
100	MP4A	X	-7.833	4.46
101	MP4A	Z	4.522	4.46
102	MP4A	Mx	.007	4.46
103	MP4B	X	-9.606	1.6
104	MP4B	Z	5.546	1.6
105	MP4B	Mx	-.008	1.6
106	MP4B	X	-9.606	4.46
107	MP4B	Z	5.546	4.46
108	MP4B	Mx	-.008	4.46
109	MP4C	X	-15.738	1.6
110	MP4C	Z	9.087	1.6
111	MP4C	Mx	-.005	1.6
112	MP4C	X	-15.738	4.46
113	MP4C	Z	9.087	4.46
114	MP4C	Mx	-.005	4.46
115	MP4A	X	-2.39	1.5
116	MP4A	Z	1.38	1.5
117	MP4A	Mx	-.003	1.5
118	MP4A	X	-2.39	1.5
119	MP4A	Z	1.38	1.5
120	MP4A	Mx	-.003	1.5
121	MP4B	X	-2.715	1.5
122	MP4B	Z	1.568	1.5
123	MP4B	Mx	.003	1.5
124	MP4B	X	-2.715	1.5
125	MP4B	Z	1.568	1.5
126	MP4B	Mx	.003	1.5
127	MP4C	X	-3.84	1.5
128	MP4C	Z	2.217	1.5
129	MP4C	Mx	.002	1.5
130	MP4C	X	-3.84	1.5
131	MP4C	Z	2.217	1.5
132	MP4C	Mx	.002	1.5
133	SP2	X	-13.18	1
134	SP2	Z	7.61	1
135	SP2	Mx	.003	1
136	SP2	X	-13.18	1
137	SP2	Z	7.61	1
138	SP2	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-18.105	1
2	MP2A	Z	0	1
3	MP2A	Mx	.015	1
4	MP2A	X	-18.105	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.015	5.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	X	-27.952	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.012	1
10	MP2B	X	-27.952	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.012	5.5
13	MP2C	X	-23.096	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.015	1
16	MP2C	X	-23.096	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.015	5.5
19	MP1A	X	-5.876	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	-.006	1.5
22	MP1A	X	-5.876	1.5
23	MP1A	Z	0	1.5
24	MP1A	Mx	-.006	1.5
25	MP1B	X	-7.583	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	.004	1.5
28	MP1B	X	-7.583	1.5
29	MP1B	Z	0	1.5
30	MP1B	Mx	.004	1.5
31	MP1C	X	-6.741	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	.005	1.5
34	MP1C	X	-6.741	1.5
35	MP1C	Z	0	1.5
36	MP1C	Mx	.005	1.5
37	MP1A	X	-4.989	4
38	MP1A	Z	0	4
39	MP1A	Mx	-.005	4
40	MP1A	X	-4.989	4
41	MP1A	Z	0	4
42	MP1A	Mx	-.005	4
43	MP1B	X	-7.345	4
44	MP1B	Z	0	4
45	MP1B	Mx	.004	4
46	MP1B	X	-7.345	4
47	MP1B	Z	0	4
48	MP1B	Mx	.004	4
49	MP1C	X	-6.183	4
50	MP1C	Z	0	4
51	MP1C	Mx	.005	4
52	MP1C	X	-6.183	4
53	MP1C	Z	0	4
54	MP1C	Mx	.005	4
55	SP1	X	-12.872	1
56	SP1	Z	0	1
57	SP1	Mx	.005	1
58	SP1	X	-12.872	1
59	SP1	Z	0	1
60	SP1	Mx	.005	1
61	MP3A	X	-23.23	1
62	MP3A	Z	0	1
63	MP3A	Mx	.024	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
64	MP3A	X	-23.23	5.5
65	MP3A	Z	0	5.5
66	MP3A	Mx	.024	5.5
67	MP3B	X	-30.167	1
68	MP3B	Z	0	1
69	MP3B	Mx	-.034	1
70	MP3B	X	-30.167	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	-.034	5.5
73	MP3C	X	-26.746	1
74	MP3C	Z	0	1
75	MP3C	Mx	-.003	1
76	MP3C	X	-26.746	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	-.003	5.5
79	MP3A	X	-23.23	1
80	MP3A	Z	0	1
81	MP3A	Mx	.014	1
82	MP3A	X	-23.23	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	.014	5.5
85	MP3B	X	-30.167	1
86	MP3B	Z	0	1
87	MP3B	Mx	.009	1
88	MP3B	X	-30.167	5.5
89	MP3B	Z	0	5.5
90	MP3B	Mx	.009	5.5
91	MP3C	X	-26.746	1
92	MP3C	Z	0	1
93	MP3C	Mx	-.031	1
94	MP3C	X	-26.746	5.5
95	MP3C	Z	0	5.5
96	MP3C	Mx	-.031	5.5
97	MP4A	X	-9.045	1.6
98	MP4A	Z	0	1.6
99	MP4A	Mx	.007	1.6
100	MP4A	X	-9.045	4.46
101	MP4A	Z	0	4.46
102	MP4A	Mx	.007	4.46
103	MP4B	X	-16.685	1.6
104	MP4B	Z	0	1.6
105	MP4B	Mx	-.007	1.6
106	MP4B	X	-16.685	4.46
107	MP4B	Z	0	4.46
108	MP4B	Mx	-.007	4.46
109	MP4C	X	-12.917	1.6
110	MP4C	Z	0	1.6
111	MP4C	Mx	-.008	1.6
112	MP4C	X	-12.917	4.46
113	MP4C	Z	0	4.46
114	MP4C	Mx	-.008	4.46
115	MP4A	X	-2.76	1.5
116	MP4A	Z	0	1.5
117	MP4A	Mx	-.003	1.5
118	MP4A	X	-2.76	1.5
119	MP4A	Z	0	1.5
120	MP4A	Mx	-.003	1.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
121	MP4B	X	-4.161	1.5
122	MP4B	Z	0	1.5
123	MP4B	Mx	.002	1.5
124	MP4B	X	-4.161	1.5
125	MP4B	Z	0	1.5
126	MP4B	Mx	.002	1.5
127	MP4C	X	-3.47	1.5
128	MP4C	Z	0	1.5
129	MP4C	Mx	.003	1.5
130	MP4C	X	-3.47	1.5
131	MP4C	Z	0	1.5
132	MP4C	Mx	.003	1.5
133	SP2	X	-12.872	1
134	SP2	Z	0	1
135	SP2	Mx	.005	1
136	SP2	X	-12.872	1
137	SP2	Z	0	1
138	SP2	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-21.086	1
2	MP2A	Z	-12.174	1
3	MP2A	Mx	.014	1
4	MP2A	X	-21.086	5.5
5	MP2A	Z	-12.174	5.5
6	MP2A	Mx	.014	5.5
7	MP2B	X	-27.329	1
8	MP2B	Z	-15.778	1
9	MP2B	Mx	0	1
10	MP2B	X	-27.329	5.5
11	MP2B	Z	-15.778	5.5
12	MP2B	Mx	0	5.5
13	MP2C	X	-15.219	1
14	MP2C	Z	-8.787	1
15	MP2C	Mx	-.014	1
16	MP2C	X	-15.219	5.5
17	MP2C	Z	-8.787	5.5
18	MP2C	Mx	-.014	5.5
19	MP1A	X	-6.026	1.5
20	MP1A	Z	-3.479	1.5
21	MP1A	Mx	-.005	1.5
22	MP1A	X	-6.026	1.5
23	MP1A	Z	-3.479	1.5
24	MP1A	Mx	-.005	1.5
25	MP1B	X	-7.108	1.5
26	MP1B	Z	-4.104	1.5
27	MP1B	Mx	0	1.5
28	MP1B	X	-7.108	1.5
29	MP1B	Z	-4.104	1.5
30	MP1B	Mx	0	1.5
31	MP1C	X	-5.009	1.5
32	MP1C	Z	-2.892	1.5
33	MP1C	Mx	.006	1.5
34	MP1C	X	-5.009	1.5
35	MP1C	Z	-2.892	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
36	MP1C	Mx	.006	1.5
37	MP1A	X	-5.614	4
38	MP1A	Z	-3.241	4
39	MP1A	Mx	-.005	4
40	MP1A	X	-5.614	4
41	MP1A	Z	-3.241	4
42	MP1A	Mx	-.005	4
43	MP1B	X	-7.108	4
44	MP1B	Z	-4.104	4
45	MP1B	Mx	0	4
46	MP1B	X	-7.108	4
47	MP1B	Z	-4.104	4
48	MP1B	Mx	0	4
49	MP1C	X	-4.211	4
50	MP1C	Z	-2.431	4
51	MP1C	Mx	.005	4
52	MP1C	X	-4.211	4
53	MP1C	Z	-2.431	4
54	MP1C	Mx	.005	4
55	SP1	X	-9.49	1
56	SP1	Z	-5.479	1
57	SP1	Mx	.005	1
58	SP1	X	-9.49	1
59	SP1	Z	-5.479	1
60	SP1	Mx	.005	1
61	MP3A	X	-23.926	1
62	MP3A	Z	-13.814	1
63	MP3A	Mx	.033	1
64	MP3A	X	-23.926	5.5
65	MP3A	Z	-13.814	5.5
66	MP3A	Mx	.033	5.5
67	MP3B	X	-28.324	1
68	MP3B	Z	-16.353	1
69	MP3B	Mx	-.027	1
70	MP3B	X	-28.324	5.5
71	MP3B	Z	-16.353	5.5
72	MP3B	Mx	-.027	5.5
73	MP3C	X	-19.793	1
74	MP3C	Z	-11.428	1
75	MP3C	Mx	-.015	1
76	MP3C	X	-19.793	5.5
77	MP3C	Z	-11.428	5.5
78	MP3C	Mx	-.015	5.5
79	MP3A	X	-23.926	1
80	MP3A	Z	-13.814	1
81	MP3A	Mx	0	1
82	MP3A	X	-23.926	5.5
83	MP3A	Z	-13.814	5.5
84	MP3A	Mx	0	5.5
85	MP3B	X	-28.324	1
86	MP3B	Z	-16.353	1
87	MP3B	Mx	.027	1
88	MP3B	X	-28.324	5.5
89	MP3B	Z	-16.353	5.5
90	MP3B	Mx	.027	5.5
91	MP3C	X	-19.793	1
92	MP3C	Z	-11.428	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
93	MP3C	Mx	-.022	1
94	MP3C	X	-19.793	5.5
95	MP3C	Z	-11.428	5.5
96	MP3C	Mx	-.022	5.5
97	MP4A	X	-12.028	1.6
98	MP4A	Z	-6.944	1.6
99	MP4A	Mx	.008	1.6
100	MP4A	X	-12.028	4.46
101	MP4A	Z	-6.944	4.46
102	MP4A	Mx	.008	4.46
103	MP4B	X	-16.872	1.6
104	MP4B	Z	-9.741	1.6
105	MP4B	Mx	0	1.6
106	MP4B	X	-16.872	4.46
107	MP4B	Z	-9.741	4.46
108	MP4B	Mx	0	4.46
109	MP4C	X	-7.476	1.6
110	MP4C	Z	-4.316	1.6
111	MP4C	Mx	-.007	1.6
112	MP4C	X	-7.476	4.46
113	MP4C	Z	-4.316	4.46
114	MP4C	Mx	-.007	4.46
115	MP4A	X	-3.159	1.5
116	MP4A	Z	-1.824	1.5
117	MP4A	Mx	-.003	1.5
118	MP4A	X	-3.159	1.5
119	MP4A	Z	-1.824	1.5
120	MP4A	Mx	-.003	1.5
121	MP4B	X	-4.048	1.5
122	MP4B	Z	-2.337	1.5
123	MP4B	Mx	0	1.5
124	MP4B	X	-4.048	1.5
125	MP4B	Z	-2.337	1.5
126	MP4B	Mx	0	1.5
127	MP4C	X	-2.325	1.5
128	MP4C	Z	-1.342	1.5
129	MP4C	Mx	.003	1.5
130	MP4C	X	-2.325	1.5
131	MP4C	Z	-1.342	1.5
132	MP4C	Mx	.003	1.5
133	SP2	X	-9.49	1
134	SP2	Z	-5.479	1
135	SP2	Mx	.005	1
136	SP2	X	-9.49	1
137	SP2	Z	-5.479	1
138	SP2	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP2A	X	-15.295	1
2	MP2A	Z	-26.492	1
3	MP2A	Mx	.007	1
4	MP2A	X	-15.295	5.5
5	MP2A	Z	-26.492	5.5
6	MP2A	Mx	.007	5.5
7	MP2B	X	-13.976	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
8	MP2B	Z	-24.207	1
9	MP2B	Mx	.012	1
10	MP2B	X	-13.976	5.5
11	MP2B	Z	-24.207	5.5
12	MP2B	Mx	.012	5.5
13	MP2C	X	-9.413	1
14	MP2C	Z	-16.303	1
15	MP2C	Mx	-.015	1
16	MP2C	X	-9.413	5.5
17	MP2C	Z	-16.303	5.5
18	MP2C	Mx	-.015	5.5
19	MP1A	X	-4.02	1.5
20	MP1A	Z	-6.963	1.5
21	MP1A	Mx	-.002	1.5
22	MP1A	X	-4.02	1.5
23	MP1A	Z	-6.963	1.5
24	MP1A	Mx	-.002	1.5
25	MP1B	X	-3.791	1.5
26	MP1B	Z	-6.567	1.5
27	MP1B	Mx	-.004	1.5
28	MP1B	X	-3.791	1.5
29	MP1B	Z	-6.567	1.5
30	MP1B	Mx	-.004	1.5
31	MP1C	X	-3	1.5
32	MP1C	Z	-5.197	1.5
33	MP1C	Mx	.006	1.5
34	MP1C	X	-3	1.5
35	MP1C	Z	-5.197	1.5
36	MP1C	Mx	.006	1.5
37	MP1A	X	-3.988	4
38	MP1A	Z	-6.908	4
39	MP1A	Mx	-.002	4
40	MP1A	X	-3.988	4
41	MP1A	Z	-6.908	4
42	MP1A	Mx	-.002	4
43	MP1B	X	-3.673	4
44	MP1B	Z	-6.361	4
45	MP1B	Mx	-.004	4
46	MP1B	X	-3.673	4
47	MP1B	Z	-6.361	4
48	MP1B	Mx	-.004	4
49	MP1C	X	-2.581	4
50	MP1C	Z	-4.47	4
51	MP1C	Mx	.005	4
52	MP1C	X	-2.581	4
53	MP1C	Z	-4.47	4
54	MP1C	Mx	.005	4
55	SP1	X	-5.696	1
56	SP1	Z	-9.866	1
57	SP1	Mx	.005	1
58	SP1	X	-5.696	1
59	SP1	Z	-9.866	1
60	SP1	Mx	.005	1
61	MP3A	X	-16.013	1
62	MP3A	Z	-27.735	1
63	MP3A	Mx	.033	1
64	MP3A	X	-16.013	5.5



Company : GPD
 Designer : Karumanchi, Ujwala
 Job Number : Project No. 10039638
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Member Point Loads (BLC 26 : Antenna Wi (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3A	Z	-27.735	5.5
66	MP3A	Mx	.033	5.5
67	MP3B	X	-15.083	1
68	MP3B	Z	-26.125	1
69	MP3B	Mx	-.009	1
70	MP3B	X	-15.083	5.5
71	MP3B	Z	-26.125	5.5
72	MP3B	Mx	-.009	5.5
73	MP3C	X	-11.869	1
74	MP3C	Z	-20.557	1
75	MP3C	Mx	-.025	1
76	MP3C	X	-11.869	5.5
77	MP3C	Z	-20.557	5.5
78	MP3C	Mx	-.025	5.5
79	MP3A	X	-16.013	1
80	MP3A	Z	-27.735	1
81	MP3A	Mx	-.019	1
82	MP3A	X	-16.013	5.5
83	MP3A	Z	-27.735	5.5
84	MP3A	Mx	-.019	5.5
85	MP3B	X	-15.083	1
86	MP3B	Z	-26.125	1
87	MP3B	Mx	.034	1
88	MP3B	X	-15.083	5.5
89	MP3B	Z	-26.125	5.5
90	MP3B	Mx	.034	5.5
91	MP3C	X	-11.869	1
92	MP3C	Z	-20.557	1
93	MP3C	Mx	-.012	1
94	MP3C	X	-11.869	5.5
95	MP3C	Z	-20.557	5.5
96	MP3C	Mx	-.012	5.5
97	MP4A	X	-9.366	1.6
98	MP4A	Z	-16.223	1.6
99	MP4A	Mx	.004	1.6
100	MP4A	X	-9.366	4.46
101	MP4A	Z	-16.223	4.46
102	MP4A	Mx	.004	4.46
103	MP4B	X	-8.343	1.6
104	MP4B	Z	-14.45	1.6
105	MP4B	Mx	.007	1.6
106	MP4B	X	-8.343	4.46
107	MP4B	Z	-14.45	4.46
108	MP4B	Mx	.007	4.46
109	MP4C	X	-4.802	1.6
110	MP4C	Z	-8.317	1.6
111	MP4C	Mx	-.008	1.6
112	MP4C	X	-4.802	4.46
113	MP4C	Z	-8.317	4.46
114	MP4C	Mx	-.008	4.46
115	MP4A	X	-2.268	1.5
116	MP4A	Z	-3.929	1.5
117	MP4A	Mx	-.001	1.5
118	MP4A	X	-2.268	1.5
119	MP4A	Z	-3.929	1.5
120	MP4A	Mx	-.001	1.5
121	MP4B	X	-2.08	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
122	MP4B	Z	-3.603	1.5
123	MP4B	Mx	-.002	1.5
124	MP4B	X	-2.08	1.5
125	MP4B	Z	-3.603	1.5
126	MP4B	Mx	-.002	1.5
127	MP4C	X	-1.431	1.5
128	MP4C	Z	-2.479	1.5
129	MP4C	Mx	.003	1.5
130	MP4C	X	-1.431	1.5
131	MP4C	Z	-2.479	1.5
132	MP4C	Mx	.003	1.5
133	SP2	X	-5.696	1
134	SP2	Z	-9.866	1
135	SP2	Mx	.005	1
136	SP2	X	-5.696	1
137	SP2	Z	-9.866	1
138	SP2	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-9.953	1
3	MP2A	Mx	-.002	1
4	MP2A	X	0	5.5
5	MP2A	Z	-9.953	5.5
6	MP2A	Mx	-.002	5.5
7	MP2B	X	0	1
8	MP2B	Z	-6.465	1
9	MP2B	Mx	.005	1
10	MP2B	X	0	5.5
11	MP2B	Z	-6.465	5.5
12	MP2B	Mx	.005	5.5
13	MP2C	X	0	1
14	MP2C	Z	-8.185	1
15	MP2C	Mx	-.004	1
16	MP2C	X	0	5.5
17	MP2C	Z	-8.185	5.5
18	MP2C	Mx	-.004	5.5
19	MP1A	X	0	1.5
20	MP1A	Z	-2.417	1.5
21	MP1A	Mx	.000626	1.5
22	MP1A	X	0	1.5
23	MP1A	Z	-2.417	1.5
24	MP1A	Mx	.000626	1.5
25	MP1B	X	0	1.5
26	MP1B	Z	-1.857	1.5
27	MP1B	Mx	-.002	1.5
28	MP1B	X	0	1.5
29	MP1B	Z	-1.857	1.5
30	MP1B	Mx	-.002	1.5
31	MP1C	X	0	1.5
32	MP1C	Z	-2.133	1.5
33	MP1C	Mx	.001	1.5
34	MP1C	X	0	1.5
35	MP1C	Z	-2.133	1.5
36	MP1C	Mx	.001	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
37	MP1A	X	0	4
38	MP1A	Z	-2.396	4
39	MP1A	Mx	.00062	4
40	MP1A	X	0	4
41	MP1A	Z	-2.396	4
42	MP1A	Mx	.00062	4
43	MP1B	X	0	4
44	MP1B	Z	-1.621	4
45	MP1B	Mx	-.001	4
46	MP1B	X	0	4
47	MP1B	Z	-1.621	4
48	MP1B	Mx	-.001	4
49	MP1C	X	0	4
50	MP1C	Z	-2.003	4
51	MP1C	Mx	.001	4
52	MP1C	X	0	4
53	MP1C	Z	-2.003	4
54	MP1C	Mx	.001	4
55	SP1	X	0	1
56	SP1	Z	-4.309	1
57	SP1	Mx	.001	1
58	SP1	X	0	1
59	SP1	Z	-4.309	1
60	SP1	Mx	.001	1
61	MP3A	X	0	1
62	MP3A	Z	-10.436	1
63	MP3A	Mx	.006	1
64	MP3A	X	0	5.5
65	MP3A	Z	-10.436	5.5
66	MP3A	Mx	.006	5.5
67	MP3B	X	0	1
68	MP3B	Z	-7.964	1
69	MP3B	Mx	.002	1
70	MP3B	X	0	5.5
71	MP3B	Z	-7.964	5.5
72	MP3B	Mx	.002	5.5
73	MP3C	X	0	1
74	MP3C	Z	-9.183	1
75	MP3C	Mx	-.011	1
76	MP3C	X	0	5.5
77	MP3C	Z	-9.183	5.5
78	MP3C	Mx	-.011	5.5
79	MP3A	X	0	1
80	MP3A	Z	-10.399	1
81	MP3A	Mx	-.011	1
82	MP3A	X	0	5.5
83	MP3A	Z	-10.399	5.5
84	MP3A	Mx	-.011	5.5
85	MP3B	X	0	1
86	MP3B	Z	-7.954	1
87	MP3B	Mx	.009	1
88	MP3B	X	0	5.5
89	MP3B	Z	-7.954	5.5
90	MP3B	Mx	.009	5.5
91	MP3C	X	0	1
92	MP3C	Z	-9.16	1
93	MP3C	Mx	.000941	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
94	MP3C	X	0	5.5
95	MP3C	Z	-9.16	5.5
96	MP3C	Mx	.000941	5.5
97	MP4A	X	0	1.6
98	MP4A	Z	-5.958	1.6
99	MP4A	Mx	-.001	1.6
100	MP4A	X	0	4.46
101	MP4A	Z	-5.958	4.46
102	MP4A	Mx	-.001	4.46
103	MP4B	X	0	1.6
104	MP4B	Z	-3.377	1.6
105	MP4B	Mx	.002	1.6
106	MP4B	X	0	4.46
107	MP4B	Z	-3.377	4.46
108	MP4B	Mx	.002	4.46
109	MP4C	X	0	1.6
110	MP4C	Z	-4.65	1.6
111	MP4C	Mx	-.002	1.6
112	MP4C	X	0	4.46
113	MP4C	Z	-4.65	4.46
114	MP4C	Mx	-.002	4.46
115	MP4A	X	0	1.5
116	MP4A	Z	-1.277	1.5
117	MP4A	Mx	.000331	1.5
118	MP4A	X	0	1.5
119	MP4A	Z	-1.277	1.5
120	MP4A	Mx	.000331	1.5
121	MP4B	X	0	1.5
122	MP4B	Z	-.827	1.5
123	MP4B	Mx	-.000716	1.5
124	MP4B	X	0	1.5
125	MP4B	Z	-.827	1.5
126	MP4B	Mx	-.000716	1.5
127	MP4C	X	0	1.5
128	MP4C	Z	-1.049	1.5
129	MP4C	Mx	.000674	1.5
130	MP4C	X	0	1.5
131	MP4C	Z	-1.049	1.5
132	MP4C	Mx	.000674	1.5
133	SP2	X	0	1
134	SP2	Z	-4.309	1
135	SP2	Mx	.001	1
136	SP2	X	0	1
137	SP2	Z	-4.309	1
138	SP2	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	3.871	1
2	MP2A	Z	-6.705	1
3	MP2A	Mx	-.005	1
4	MP2A	X	3.871	5.5
5	MP2A	Z	-6.705	5.5
6	MP2A	Mx	-.005	5.5
7	MP2B	X	2.594	1
8	MP2B	Z	-4.493	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
9	MP2B	Mx	.004	1
10	MP2B	X	2.594	5.5
11	MP2B	Z	-4.493	5.5
12	MP2B	Mx	.004	5.5
13	MP2C	X	5.071	1
14	MP2C	Z	-8.783	1
15	MP2C	Mx	-.001	1
16	MP2C	X	5.071	5.5
17	MP2C	Z	-8.783	5.5
18	MP2C	Mx	-.001	5.5
19	MP1A	X	1.031	1.5
20	MP1A	Z	-1.786	1.5
21	MP1A	Mx	.001	1.5
22	MP1A	X	1.031	1.5
23	MP1A	Z	-1.786	1.5
24	MP1A	Mx	.001	1.5
25	MP1B	X	.826	1.5
26	MP1B	Z	-1.431	1.5
27	MP1B	Mx	-.002	1.5
28	MP1B	X	.826	1.5
29	MP1B	Z	-1.431	1.5
30	MP1B	Mx	-.002	1.5
31	MP1C	X	1.223	1.5
32	MP1C	Z	-2.119	1.5
33	MP1C	Mx	.000425	1.5
34	MP1C	X	1.223	1.5
35	MP1C	Z	-2.119	1.5
36	MP1C	Mx	.000425	1.5
37	MP1A	X	.952	4
38	MP1A	Z	-1.65	4
39	MP1A	Mx	.001	4
40	MP1A	X	.952	4
41	MP1A	Z	-1.65	4
42	MP1A	Mx	.001	4
43	MP1B	X	.669	4
44	MP1B	Z	-1.159	4
45	MP1B	Mx	-.001	4
46	MP1B	X	.669	4
47	MP1B	Z	-1.159	4
48	MP1B	Mx	-.001	4
49	MP1C	X	1.219	4
50	MP1C	Z	-2.111	4
51	MP1C	Mx	.000423	4
52	MP1C	X	1.219	4
53	MP1C	Z	-2.111	4
54	MP1C	Mx	.000423	4
55	SP1	X	2.479	1
56	SP1	Z	-4.294	1
57	SP1	Mx	.000431	1
58	SP1	X	2.479	1
59	SP1	Z	-4.294	1
60	SP1	Mx	.000431	1
61	MP3A	X	4.435	1
62	MP3A	Z	-7.681	1
63	MP3A	Mx	0	1
64	MP3A	X	4.435	5.5
65	MP3A	Z	-7.681	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
66	MP3A	Mx	0	5.5
67	MP3B	X	3.53	1
68	MP3B	Z	-6.114	1
69	MP3B	Mx	.006	1
70	MP3B	X	3.53	5.5
71	MP3B	Z	-6.114	5.5
72	MP3B	Mx	.006	5.5
73	MP3C	X	5.285	1
74	MP3C	Z	-9.153	1
75	MP3C	Mx	-.01	1
76	MP3C	X	5.285	5.5
77	MP3C	Z	-9.153	5.5
78	MP3C	Mx	-.01	5.5
79	MP3A	X	4.425	1
80	MP3A	Z	-7.664	1
81	MP3A	Mx	-.01	1
82	MP3A	X	4.425	5.5
83	MP3A	Z	-7.664	5.5
84	MP3A	Mx	-.01	5.5
85	MP3B	X	3.53	1
86	MP3B	Z	-6.114	1
87	MP3B	Mx	.006	1
88	MP3B	X	3.53	5.5
89	MP3B	Z	-6.114	5.5
90	MP3B	Mx	.006	5.5
91	MP3C	X	5.266	1
92	MP3C	Z	-9.12	1
93	MP3C	Mx	.007	1
94	MP3C	X	5.266	5.5
95	MP3C	Z	-9.12	5.5
96	MP3C	Mx	.007	5.5
97	MP4A	X	2.161	1.6
98	MP4A	Z	-3.743	1.6
99	MP4A	Mx	-.003	1.6
100	MP4A	X	2.161	4.46
101	MP4A	Z	-3.743	4.46
102	MP4A	Mx	-.003	4.46
103	MP4B	X	1.216	1.6
104	MP4B	Z	-2.106	1.6
105	MP4B	Mx	.002	1.6
106	MP4B	X	1.216	4.46
107	MP4B	Z	-2.106	4.46
108	MP4B	Mx	.002	4.46
109	MP4C	X	3.049	1.6
110	MP4C	Z	-5.281	1.6
111	MP4C	Mx	-.000882	1.6
112	MP4C	X	3.049	4.46
113	MP4C	Z	-5.281	4.46
114	MP4C	Mx	-.000882	4.46
115	MP4A	X	.496	1.5
116	MP4A	Z	-.859	1.5
117	MP4A	Mx	.000701	1.5
118	MP4A	X	.496	1.5
119	MP4A	Z	-.859	1.5
120	MP4A	Mx	.000701	1.5
121	MP4B	X	.331	1.5
122	MP4B	Z	-.574	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
123	MP4B	Mx	-.000663	1.5
124	MP4B	X	.331	1.5
125	MP4B	Z	-.574	1.5
126	MP4B	Mx	-.000663	1.5
127	MP4C	X	.651	1.5
128	MP4C	Z	-1.127	1.5
129	MP4C	Mx	.000226	1.5
130	MP4C	X	.651	1.5
131	MP4C	Z	-1.127	1.5
132	MP4C	Mx	.000226	1.5
133	SP2	X	2.479	1
134	SP2	Z	-4.294	1
135	SP2	Mx	.000431	1
136	SP2	X	2.479	1
137	SP2	Z	-4.294	1
138	SP2	Mx	.000431	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	4.79	1
2	MP2A	Z	-2.765	1
3	MP2A	Mx	-.004	1
4	MP2A	X	4.79	5.5
5	MP2A	Z	-2.765	5.5
6	MP2A	Mx	-.004	5.5
7	MP2B	X	5.599	1
8	MP2B	Z	-3.233	1
9	MP2B	Mx	.005	1
10	MP2B	X	5.599	5.5
11	MP2B	Z	-3.233	5.5
12	MP2B	Mx	.005	5.5
13	MP2C	X	8.399	1
14	MP2C	Z	-4.849	1
15	MP2C	Mx	.003	1
16	MP2C	X	8.399	5.5
17	MP2C	Z	-4.849	5.5
18	MP2C	Mx	.003	5.5
19	MP1A	X	1.478	1.5
20	MP1A	Z	-.853	1.5
21	MP1A	Mx	.002	1.5
22	MP1A	X	1.478	1.5
23	MP1A	Z	-.853	1.5
24	MP1A	Mx	.002	1.5
25	MP1B	X	1.608	1.5
26	MP1B	Z	-.928	1.5
27	MP1B	Mx	-.002	1.5
28	MP1B	X	1.608	1.5
29	MP1B	Z	-.928	1.5
30	MP1B	Mx	-.002	1.5
31	MP1C	X	2.057	1.5
32	MP1C	Z	-1.188	1.5
33	MP1C	Mx	-.000812	1.5
34	MP1C	X	2.057	1.5
35	MP1C	Z	-1.188	1.5
36	MP1C	Mx	-.000812	1.5
37	MP1A	X	1.225	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
38	MP1A	Z	-.707	4
39	MP1A	Mx	.001	4
40	MP1A	X	1.225	4
41	MP1A	Z	-.707	4
42	MP1A	Mx	.001	4
43	MP1B	X	1.404	4
44	MP1B	Z	-.811	4
45	MP1B	Mx	-.001	4
46	MP1B	X	1.404	4
47	MP1B	Z	-.811	4
48	MP1B	Mx	-.001	4
49	MP1C	X	2.026	4
50	MP1C	Z	-1.169	4
51	MP1C	Mx	-.000801	4
52	MP1C	X	2.026	4
53	MP1C	Z	-1.169	4
54	MP1C	Mx	-.000801	4
55	SP1	X	4.166	1
56	SP1	Z	-2.405	1
57	SP1	Mx	-.000823	1
58	SP1	X	4.166	1
59	SP1	Z	-2.405	1
60	SP1	Mx	-.000823	1
61	MP3A	X	6.324	1
62	MP3A	Z	-3.651	1
63	MP3A	Mx	-.004	1
64	MP3A	X	6.324	5.5
65	MP3A	Z	-3.651	5.5
66	MP3A	Mx	-.004	5.5
67	MP3B	X	6.897	1
68	MP3B	Z	-3.982	1
69	MP3B	Mx	.009	1
70	MP3B	X	6.897	5.5
71	MP3B	Z	-3.982	5.5
72	MP3B	Mx	.009	5.5
73	MP3C	X	8.881	1
74	MP3C	Z	-5.128	1
75	MP3C	Mx	-.005	1
76	MP3C	X	8.881	5.5
77	MP3C	Z	-5.128	5.5
78	MP3C	Mx	-.005	5.5
79	MP3A	X	6.321	1
80	MP3A	Z	-3.65	1
81	MP3A	Mx	-.007	1
82	MP3A	X	6.321	5.5
83	MP3A	Z	-3.65	5.5
84	MP3A	Mx	-.007	5.5
85	MP3B	X	6.889	1
86	MP3B	Z	-3.977	1
87	MP3B	Mx	.002	1
88	MP3B	X	6.889	5.5
89	MP3B	Z	-3.977	5.5
90	MP3B	Mx	.002	5.5
91	MP3C	X	8.851	1
92	MP3C	Z	-5.11	1
93	MP3C	Mx	.011	1
94	MP3C	X	8.851	5.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
95	MP3C	Z	-5.11	5.5
96	MP3C	Mx	.011	5.5
97	MP4A	X	2.325	1.6
98	MP4A	Z	-1.343	1.6
99	MP4A	Mx	-.002	1.6
100	MP4A	X	2.325	4.46
101	MP4A	Z	-1.343	4.46
102	MP4A	Mx	-.002	4.46
103	MP4B	X	2.924	1.6
104	MP4B	Z	-1.688	1.6
105	MP4B	Mx	.002	1.6
106	MP4B	X	2.924	4.46
107	MP4B	Z	-1.688	4.46
108	MP4B	Mx	.002	4.46
109	MP4C	X	4.996	1.6
110	MP4C	Z	-2.885	1.6
111	MP4C	Mx	.002	1.6
112	MP4C	X	4.996	4.46
113	MP4C	Z	-2.885	4.46
114	MP4C	Mx	.002	4.46
115	MP4A	X	.612	1.5
116	MP4A	Z	-.353	1.5
117	MP4A	Mx	.000683	1.5
118	MP4A	X	.612	1.5
119	MP4A	Z	-.353	1.5
120	MP4A	Mx	.000683	1.5
121	MP4B	X	.716	1.5
122	MP4B	Z	-.414	1.5
123	MP4B	Mx	-.000717	1.5
124	MP4B	X	.716	1.5
125	MP4B	Z	-.414	1.5
126	MP4B	Mx	-.000717	1.5
127	MP4C	X	1.078	1.5
128	MP4C	Z	-.622	1.5
129	MP4C	Mx	-.000426	1.5
130	MP4C	X	1.078	1.5
131	MP4C	Z	-.622	1.5
132	MP4C	Mx	-.000426	1.5
133	SP2	X	4.166	1
134	SP2	Z	-2.405	1
135	SP2	Mx	-.000823	1
136	SP2	X	4.166	1
137	SP2	Z	-2.405	1
138	SP2	Mx	-.000823	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	5.53	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.004	1
4	MP2A	X	5.53	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.004	5.5
7	MP2B	X	9.019	1
8	MP2B	Z	0	1
9	MP2B	Mx	.004	1



Company : GPD
 Designer : Karumanchi, Ujwala
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Member Point Loads (BLC 30 : Antenna Wm (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
10	MP2B	X	9.019	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.004	5.5
13	MP2C	X	7.298	1
14	MP2C	Z	0	1
15	MP2C	Mx	.005	1
16	MP2C	X	7.298	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.005	5.5
19	MP1A	X	1.707	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	.002	1.5
22	MP1A	X	1.707	1.5
23	MP1A	Z	0	1.5
24	MP1A	Mx	.002	1.5
25	MP1B	X	2.267	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	-.001	1.5
28	MP1B	X	2.267	1.5
29	MP1B	Z	0	1.5
30	MP1B	Mx	-.001	1.5
31	MP1C	X	1.991	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	-.002	1.5
34	MP1C	X	1.991	1.5
35	MP1C	Z	0	1.5
36	MP1C	Mx	-.002	1.5
37	MP1A	X	1.414	4
38	MP1A	Z	0	4
39	MP1A	Mx	.001	4
40	MP1A	X	1.414	4
41	MP1A	Z	0	4
42	MP1A	Mx	.001	4
43	MP1B	X	2.188	4
44	MP1B	Z	0	4
45	MP1B	Mx	-.001	4
46	MP1B	X	2.188	4
47	MP1B	Z	0	4
48	MP1B	Mx	-.001	4
49	MP1C	X	1.806	4
50	MP1C	Z	0	4
51	MP1C	Mx	-.001	4
52	MP1C	X	1.806	4
53	MP1C	Z	0	4
54	MP1C	Mx	-.001	4
55	SP1	X	4.015	1
56	SP1	Z	0	1
57	SP1	Mx	-.002	1
58	SP1	X	4.015	1
59	SP1	Z	0	1
60	SP1	Mx	-.002	1
61	MP3A	X	7.302	1
62	MP3A	Z	0	1
63	MP3A	Mx	-.007	1
64	MP3A	X	7.302	5.5
65	MP3A	Z	0	5.5
66	MP3A	Mx	-.007	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
67	MP3B	X	9.774	1
68	MP3B	Z	0	1
69	MP3B	Mx	.011	1
70	MP3B	X	9.774	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	.011	5.5
73	MP3C	X	8.555	1
74	MP3C	Z	0	1
75	MP3C	Mx	.000879	1
76	MP3C	X	8.555	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	.000879	5.5
79	MP3A	X	7.299	1
80	MP3A	Z	0	1
81	MP3A	Mx	-.004	1
82	MP3A	X	7.299	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	-.004	5.5
85	MP3B	X	9.744	1
86	MP3B	Z	0	1
87	MP3B	Mx	-.003	1
88	MP3B	X	9.744	5.5
89	MP3B	Z	0	5.5
90	MP3B	Mx	-.003	5.5
91	MP3C	X	8.539	1
92	MP3C	Z	0	1
93	MP3C	Mx	.01	1
94	MP3C	X	8.539	5.5
95	MP3C	Z	0	5.5
96	MP3C	Mx	.01	5.5
97	MP4A	X	2.685	1.6
98	MP4A	Z	0	1.6
99	MP4A	Mx	-.002	1.6
100	MP4A	X	2.685	4.46
101	MP4A	Z	0	4.46
102	MP4A	Mx	-.002	4.46
103	MP4B	X	5.267	1.6
104	MP4B	Z	0	1.6
105	MP4B	Mx	.002	1.6
106	MP4B	X	5.267	4.46
107	MP4B	Z	0	4.46
108	MP4B	Mx	.002	4.46
109	MP4C	X	3.994	1.6
110	MP4C	Z	0	1.6
111	MP4C	Mx	.003	1.6
112	MP4C	X	3.994	4.46
113	MP4C	Z	0	4.46
114	MP4C	Mx	.003	4.46
115	MP4A	X	.706	1.5
116	MP4A	Z	0	1.5
117	MP4A	Mx	.000682	1.5
118	MP4A	X	.706	1.5
119	MP4A	Z	0	1.5
120	MP4A	Mx	.000682	1.5
121	MP4B	X	1.157	1.5
122	MP4B	Z	0	1.5
123	MP4B	Mx	-.000578	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
124	MP4B	X	1.157	1.5
125	MP4B	Z	0	1.5
126	MP4B	Mx	-.000578	1.5
127	MP4C	X	.935	1.5
128	MP4C	Z	0	1.5
129	MP4C	Mx	-.000716	1.5
130	MP4C	X	.935	1.5
131	MP4C	Z	0	1.5
132	MP4C	Mx	-.000716	1.5
133	SP2	X	4.015	1
134	SP2	Z	0	1
135	SP2	Mx	-.002	1
136	SP2	X	4.015	1
137	SP2	Z	0	1
138	SP2	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	6.705	1
2	MP2A	Z	3.871	1
3	MP2A	Mx	-.005	1
4	MP2A	X	6.705	5.5
5	MP2A	Z	3.871	5.5
6	MP2A	Mx	-.005	5.5
7	MP2B	X	8.916	1
8	MP2B	Z	5.148	1
9	MP2B	Mx	0	1
10	MP2B	X	8.916	5.5
11	MP2B	Z	5.148	5.5
12	MP2B	Mx	0	5.5
13	MP2C	X	4.627	1
14	MP2C	Z	2.671	1
15	MP2C	Mx	.004	1
16	MP2C	X	4.627	5.5
17	MP2C	Z	2.671	5.5
18	MP2C	Mx	.004	5.5
19	MP1A	X	1.786	1.5
20	MP1A	Z	1.031	1.5
21	MP1A	Mx	.001	1.5
22	MP1A	X	1.786	1.5
23	MP1A	Z	1.031	1.5
24	MP1A	Mx	.001	1.5
25	MP1B	X	2.14	1.5
26	MP1B	Z	1.236	1.5
27	MP1B	Mx	0	1.5
28	MP1B	X	2.14	1.5
29	MP1B	Z	1.236	1.5
30	MP1B	Mx	0	1.5
31	MP1C	X	1.452	1.5
32	MP1C	Z	.838	1.5
33	MP1C	Mx	-.002	1.5
34	MP1C	X	1.452	1.5
35	MP1C	Z	.838	1.5
36	MP1C	Mx	-.002	1.5
37	MP1A	X	1.65	4
38	MP1A	Z	.952	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
39	MP1A	Mx	.001	4
40	MP1A	X	1.65	4
41	MP1A	Z	.952	4
42	MP1A	Mx	.001	4
43	MP1B	X	2.14	4
44	MP1B	Z	1.236	4
45	MP1B	Mx	0	4
46	MP1B	X	2.14	4
47	MP1B	Z	1.236	4
48	MP1B	Mx	0	4
49	MP1C	X	1.188	4
50	MP1C	Z	.686	4
51	MP1C	Mx	-.001	4
52	MP1C	X	1.188	4
53	MP1C	Z	.686	4
54	MP1C	Mx	-.001	4
55	SP1	X	2.916	1
56	SP1	Z	1.683	1
57	SP1	Mx	-.002	1
58	SP1	X	2.916	1
59	SP1	Z	1.683	1
60	SP1	Mx	-.002	1
61	MP3A	X	7.681	1
62	MP3A	Z	4.435	1
63	MP3A	Mx	-.01	1
64	MP3A	X	7.681	5.5
65	MP3A	Z	4.435	5.5
66	MP3A	Mx	-.01	5.5
67	MP3B	X	9.248	1
68	MP3B	Z	5.339	1
69	MP3B	Mx	.009	1
70	MP3B	X	9.248	5.5
71	MP3B	Z	5.339	5.5
72	MP3B	Mx	.009	5.5
73	MP3C	X	6.208	1
74	MP3C	Z	3.584	1
75	MP3C	Mx	.005	1
76	MP3C	X	6.208	5.5
77	MP3C	Z	3.584	5.5
78	MP3C	Mx	.005	5.5
79	MP3A	X	7.664	1
80	MP3A	Z	4.425	1
81	MP3A	Mx	0	1
82	MP3A	X	7.664	5.5
83	MP3A	Z	4.425	5.5
84	MP3A	Mx	0	5.5
85	MP3B	X	9.214	1
86	MP3B	Z	5.32	1
87	MP3B	Mx	-.009	1
88	MP3B	X	9.214	5.5
89	MP3B	Z	5.32	5.5
90	MP3B	Mx	-.009	5.5
91	MP3C	X	6.207	1
92	MP3C	Z	3.584	1
93	MP3C	Mx	.007	1
94	MP3C	X	6.207	5.5
95	MP3C	Z	3.584	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
96	MP3C	Mx	.007	5.5
97	MP4A	X	3.743	1.6
98	MP4A	Z	2.161	1.6
99	MP4A	Mx	-.003	1.6
100	MP4A	X	3.743	4.46
101	MP4A	Z	2.161	4.46
102	MP4A	Mx	-.003	4.46
103	MP4B	X	5.379	1.6
104	MP4B	Z	3.106	1.6
105	MP4B	Mx	0	1.6
106	MP4B	X	5.379	4.46
107	MP4B	Z	3.106	4.46
108	MP4B	Mx	0	4.46
109	MP4C	X	2.205	1.6
110	MP4C	Z	1.273	1.6
111	MP4C	Mx	.002	1.6
112	MP4C	X	2.205	4.46
113	MP4C	Z	1.273	4.46
114	MP4C	Mx	.002	4.46
115	MP4A	X	.859	1.5
116	MP4A	Z	.496	1.5
117	MP4A	Mx	.000701	1.5
118	MP4A	X	.859	1.5
119	MP4A	Z	.496	1.5
120	MP4A	Mx	.000701	1.5
121	MP4B	X	1.145	1.5
122	MP4B	Z	.661	1.5
123	MP4B	Mx	0	1.5
124	MP4B	X	1.145	1.5
125	MP4B	Z	.661	1.5
126	MP4B	Mx	0	1.5
127	MP4C	X	.591	1.5
128	MP4C	Z	.341	1.5
129	MP4C	Mx	-.000672	1.5
130	MP4C	X	.591	1.5
131	MP4C	Z	.341	1.5
132	MP4C	Mx	-.000672	1.5
133	SP2	X	2.916	1
134	SP2	Z	1.683	1
135	SP2	Mx	-.002	1
136	SP2	X	2.916	1
137	SP2	Z	1.683	1
138	SP2	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	4.977	1
2	MP2A	Z	8.62	1
3	MP2A	Mx	-.002	1
4	MP2A	X	4.977	5.5
5	MP2A	Z	8.62	5.5
6	MP2A	Mx	-.002	5.5
7	MP2B	X	4.509	1
8	MP2B	Z	7.81	1
9	MP2B	Mx	-.004	1
10	MP2B	X	4.509	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
11	MP2B	Z	7.81	5.5
12	MP2B	Mx	-.004	5.5
13	MP2C	X	2.893	1
14	MP2C	Z	5.011	1
15	MP2C	Mx	.005	1
16	MP2C	X	2.893	5.5
17	MP2C	Z	5.011	5.5
18	MP2C	Mx	.005	5.5
19	MP1A	X	1.208	1.5
20	MP1A	Z	2.093	1.5
21	MP1A	Mx	.000625	1.5
22	MP1A	X	1.208	1.5
23	MP1A	Z	2.093	1.5
24	MP1A	Mx	.000625	1.5
25	MP1B	X	1.133	1.5
26	MP1B	Z	1.963	1.5
27	MP1B	Mx	.001	1.5
28	MP1B	X	1.133	1.5
29	MP1B	Z	1.963	1.5
30	MP1B	Mx	.001	1.5
31	MP1C	X	.874	1.5
32	MP1C	Z	1.514	1.5
33	MP1C	Mx	-.002	1.5
34	MP1C	X	.874	1.5
35	MP1C	Z	1.514	1.5
36	MP1C	Mx	-.002	1.5
37	MP1A	X	1.198	4
38	MP1A	Z	2.075	4
39	MP1A	Mx	.00062	4
40	MP1A	X	1.198	4
41	MP1A	Z	2.075	4
42	MP1A	Mx	.00062	4
43	MP1B	X	1.094	4
44	MP1B	Z	1.895	4
45	MP1B	Mx	.001	4
46	MP1B	X	1.094	4
47	MP1B	Z	1.895	4
48	MP1B	Mx	.001	4
49	MP1C	X	.735	4
50	MP1C	Z	1.274	4
51	MP1C	Mx	-.001	4
52	MP1C	X	.735	4
53	MP1C	Z	1.274	4
54	MP1C	Mx	-.001	4
55	SP1	X	1.757	1
56	SP1	Z	3.043	1
57	SP1	Mx	-.002	1
58	SP1	X	1.757	1
59	SP1	Z	3.043	1
60	SP1	Mx	-.002	1
61	MP3A	X	5.218	1
62	MP3A	Z	9.038	1
63	MP3A	Mx	-.011	1
64	MP3A	X	5.218	5.5
65	MP3A	Z	9.038	5.5
66	MP3A	Mx	-.011	5.5
67	MP3B	X	4.887	1



Company : GPD
 Designer : Karumanchi, Ujwala
 Job Number : Project No. 10039638
 Model Name : 469273-VZW_MT_LO_H

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
68	MP3B	Z	8.464	1
69	MP3B	Mx	.003	1
70	MP3B	X	4.887	5.5
71	MP3B	Z	8.464	5.5
72	MP3B	Mx	.003	5.5
73	MP3C	X	3.741	1
74	MP3C	Z	6.48	1
75	MP3C	Mx	.008	1
76	MP3C	X	3.741	5.5
77	MP3C	Z	6.48	5.5
78	MP3C	Mx	.008	5.5
79	MP3A	X	5.2	1
80	MP3A	Z	9.006	1
81	MP3A	Mx	.006	1
82	MP3A	X	5.2	5.5
83	MP3A	Z	9.006	5.5
84	MP3A	Mx	.006	5.5
85	MP3B	X	4.872	1
86	MP3B	Z	8.439	1
87	MP3B	Mx	-.011	1
88	MP3B	X	4.872	5.5
89	MP3B	Z	8.439	5.5
90	MP3B	Mx	-.011	5.5
91	MP3C	X	3.739	1
92	MP3C	Z	6.476	1
93	MP3C	Mx	.004	1
94	MP3C	X	3.739	5.5
95	MP3C	Z	6.476	5.5
96	MP3C	Mx	.004	5.5
97	MP4A	X	2.979	1.6
98	MP4A	Z	5.16	1.6
99	MP4A	Mx	-.001	1.6
100	MP4A	X	2.979	4.46
101	MP4A	Z	5.16	4.46
102	MP4A	Mx	-.001	4.46
103	MP4B	X	2.633	1.6
104	MP4B	Z	4.561	1.6
105	MP4B	Mx	-.002	1.6
106	MP4B	X	2.633	4.46
107	MP4B	Z	4.561	4.46
108	MP4B	Mx	-.002	4.46
109	MP4C	X	1.437	1.6
110	MP4C	Z	2.489	1.6
111	MP4C	Mx	.002	1.6
112	MP4C	X	1.437	4.46
113	MP4C	Z	2.489	4.46
114	MP4C	Mx	.002	4.46
115	MP4A	X	.639	1.5
116	MP4A	Z	1.106	1.5
117	MP4A	Mx	.000331	1.5
118	MP4A	X	.639	1.5
119	MP4A	Z	1.106	1.5
120	MP4A	Mx	.000331	1.5
121	MP4B	X	.578	1.5
122	MP4B	Z	1.002	1.5
123	MP4B	Mx	.000579	1.5
124	MP4B	X	.578	1.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
125	MP4B	Z	1.002	1.5
126	MP4B	Mx	.000579	1.5
127	MP4C	X	.37	1.5
128	MP4C	Z	.64	1.5
129	MP4C	Mx	-.000695	1.5
130	MP4C	X	.37	1.5
131	MP4C	Z	.64	1.5
132	MP4C	Mx	-.000695	1.5
133	SP2	X	1.757	1
134	SP2	Z	3.043	1
135	SP2	Mx	-.002	1
136	SP2	X	1.757	1
137	SP2	Z	3.043	1
138	SP2	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	9.953	1
3	MP2A	Mx	.002	1
4	MP2A	X	0	5.5
5	MP2A	Z	9.953	5.5
6	MP2A	Mx	.002	5.5
7	MP2B	X	0	1
8	MP2B	Z	6.465	1
9	MP2B	Mx	-.005	1
10	MP2B	X	0	5.5
11	MP2B	Z	6.465	5.5
12	MP2B	Mx	-.005	5.5
13	MP2C	X	0	1
14	MP2C	Z	8.185	1
15	MP2C	Mx	.004	1
16	MP2C	X	0	5.5
17	MP2C	Z	8.185	5.5
18	MP2C	Mx	.004	5.5
19	MP1A	X	0	1.5
20	MP1A	Z	2.417	1.5
21	MP1A	Mx	-.000626	1.5
22	MP1A	X	0	1.5
23	MP1A	Z	2.417	1.5
24	MP1A	Mx	-.000626	1.5
25	MP1B	X	0	1.5
26	MP1B	Z	1.857	1.5
27	MP1B	Mx	.002	1.5
28	MP1B	X	0	1.5
29	MP1B	Z	1.857	1.5
30	MP1B	Mx	.002	1.5
31	MP1C	X	0	1.5
32	MP1C	Z	2.133	1.5
33	MP1C	Mx	-.001	1.5
34	MP1C	X	0	1.5
35	MP1C	Z	2.133	1.5
36	MP1C	Mx	-.001	1.5
37	MP1A	X	0	4
38	MP1A	Z	2.396	4
39	MP1A	Mx	-.00062	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
40	MP1A	X	0	4
41	MP1A	Z	2.396	4
42	MP1A	Mx	-.00062	4
43	MP1B	X	0	4
44	MP1B	Z	1.621	4
45	MP1B	Mx	.001	4
46	MP1B	X	0	4
47	MP1B	Z	1.621	4
48	MP1B	Mx	.001	4
49	MP1C	X	0	4
50	MP1C	Z	2.003	4
51	MP1C	Mx	-.001	4
52	MP1C	X	0	4
53	MP1C	Z	2.003	4
54	MP1C	Mx	-.001	4
55	SP1	X	0	1
56	SP1	Z	4.309	1
57	SP1	Mx	-.001	1
58	SP1	X	0	1
59	SP1	Z	4.309	1
60	SP1	Mx	-.001	1
61	MP3A	X	0	1
62	MP3A	Z	10.436	1
63	MP3A	Mx	-.006	1
64	MP3A	X	0	5.5
65	MP3A	Z	10.436	5.5
66	MP3A	Mx	-.006	5.5
67	MP3B	X	0	1
68	MP3B	Z	7.964	1
69	MP3B	Mx	-.002	1
70	MP3B	X	0	5.5
71	MP3B	Z	7.964	5.5
72	MP3B	Mx	-.002	5.5
73	MP3C	X	0	1
74	MP3C	Z	9.183	1
75	MP3C	Mx	.011	1
76	MP3C	X	0	5.5
77	MP3C	Z	9.183	5.5
78	MP3C	Mx	.011	5.5
79	MP3A	X	0	1
80	MP3A	Z	10.399	1
81	MP3A	Mx	.011	1
82	MP3A	X	0	5.5
83	MP3A	Z	10.399	5.5
84	MP3A	Mx	.011	5.5
85	MP3B	X	0	1
86	MP3B	Z	7.954	1
87	MP3B	Mx	-.009	1
88	MP3B	X	0	5.5
89	MP3B	Z	7.954	5.5
90	MP3B	Mx	-.009	5.5
91	MP3C	X	0	1
92	MP3C	Z	9.16	1
93	MP3C	Mx	-.000941	1
94	MP3C	X	0	5.5
95	MP3C	Z	9.16	5.5
96	MP3C	Mx	-.000941	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
97	MP4A	X	0	1.6
98	MP4A	Z	5.958	1.6
99	MP4A	Mx	.001	1.6
100	MP4A	X	0	4.46
101	MP4A	Z	5.958	4.46
102	MP4A	Mx	.001	4.46
103	MP4B	X	0	1.6
104	MP4B	Z	3.377	1.6
105	MP4B	Mx	-.002	1.6
106	MP4B	X	0	4.46
107	MP4B	Z	3.377	4.46
108	MP4B	Mx	-.002	4.46
109	MP4C	X	0	1.6
110	MP4C	Z	4.65	1.6
111	MP4C	Mx	.002	1.6
112	MP4C	X	0	4.46
113	MP4C	Z	4.65	4.46
114	MP4C	Mx	.002	4.46
115	MP4A	X	0	1.5
116	MP4A	Z	1.277	1.5
117	MP4A	Mx	-.000331	1.5
118	MP4A	X	0	1.5
119	MP4A	Z	1.277	1.5
120	MP4A	Mx	-.000331	1.5
121	MP4B	X	0	1.5
122	MP4B	Z	.827	1.5
123	MP4B	Mx	.000716	1.5
124	MP4B	X	0	1.5
125	MP4B	Z	.827	1.5
126	MP4B	Mx	.000716	1.5
127	MP4C	X	0	1.5
128	MP4C	Z	1.049	1.5
129	MP4C	Mx	-.000674	1.5
130	MP4C	X	0	1.5
131	MP4C	Z	1.049	1.5
132	MP4C	Mx	-.000674	1.5
133	SP2	X	0	1
134	SP2	Z	4.309	1
135	SP2	Mx	-.001	1
136	SP2	X	0	1
137	SP2	Z	4.309	1
138	SP2	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-3.871	1
2	MP2A	Z	6.705	1
3	MP2A	Mx	.005	1
4	MP2A	X	-3.871	5.5
5	MP2A	Z	6.705	5.5
6	MP2A	Mx	.005	5.5
7	MP2B	X	-2.594	1
8	MP2B	Z	4.493	1
9	MP2B	Mx	-.004	1
10	MP2B	X	-2.594	5.5
11	MP2B	Z	4.493	5.5



Company : GPD
 Designer : Karumanchi, Ujwala
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Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP2B	Mx	-0.004	5.5
13	MP2C	X	-5.071	1
14	MP2C	Z	8.783	1
15	MP2C	Mx	.001	1
16	MP2C	X	-5.071	5.5
17	MP2C	Z	8.783	5.5
18	MP2C	Mx	.001	5.5
19	MP1A	X	-1.031	1.5
20	MP1A	Z	1.786	1.5
21	MP1A	Mx	-.001	1.5
22	MP1A	X	-1.031	1.5
23	MP1A	Z	1.786	1.5
24	MP1A	Mx	-.001	1.5
25	MP1B	X	-.826	1.5
26	MP1B	Z	1.431	1.5
27	MP1B	Mx	.002	1.5
28	MP1B	X	-.826	1.5
29	MP1B	Z	1.431	1.5
30	MP1B	Mx	.002	1.5
31	MP1C	X	-1.223	1.5
32	MP1C	Z	2.119	1.5
33	MP1C	Mx	-.000425	1.5
34	MP1C	X	-1.223	1.5
35	MP1C	Z	2.119	1.5
36	MP1C	Mx	-.000425	1.5
37	MP1A	X	-.952	4
38	MP1A	Z	1.65	4
39	MP1A	Mx	-.001	4
40	MP1A	X	-.952	4
41	MP1A	Z	1.65	4
42	MP1A	Mx	-.001	4
43	MP1B	X	-.669	4
44	MP1B	Z	1.159	4
45	MP1B	Mx	.001	4
46	MP1B	X	-.669	4
47	MP1B	Z	1.159	4
48	MP1B	Mx	.001	4
49	MP1C	X	-1.219	4
50	MP1C	Z	2.111	4
51	MP1C	Mx	-.000423	4
52	MP1C	X	-1.219	4
53	MP1C	Z	2.111	4
54	MP1C	Mx	-.000423	4
55	SP1	X	-2.479	1
56	SP1	Z	4.294	1
57	SP1	Mx	-.000431	1
58	SP1	X	-2.479	1
59	SP1	Z	4.294	1
60	SP1	Mx	-.000431	1
61	MP3A	X	-4.435	1
62	MP3A	Z	7.681	1
63	MP3A	Mx	0	1
64	MP3A	X	-4.435	5.5
65	MP3A	Z	7.681	5.5
66	MP3A	Mx	0	5.5
67	MP3B	X	-3.53	1
68	MP3B	Z	6.114	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
69	MP3B	Mx	-.006	1
70	MP3B	X	-3.53	5.5
71	MP3B	Z	6.114	5.5
72	MP3B	Mx	-.006	5.5
73	MP3C	X	-5.285	1
74	MP3C	Z	9.153	1
75	MP3C	Mx	.01	1
76	MP3C	X	-5.285	5.5
77	MP3C	Z	9.153	5.5
78	MP3C	Mx	.01	5.5
79	MP3A	X	-4.425	1
80	MP3A	Z	7.664	1
81	MP3A	Mx	.01	1
82	MP3A	X	-4.425	5.5
83	MP3A	Z	7.664	5.5
84	MP3A	Mx	.01	5.5
85	MP3B	X	-3.53	1
86	MP3B	Z	6.114	1
87	MP3B	Mx	-.006	1
88	MP3B	X	-3.53	5.5
89	MP3B	Z	6.114	5.5
90	MP3B	Mx	-.006	5.5
91	MP3C	X	-5.266	1
92	MP3C	Z	9.12	1
93	MP3C	Mx	-.007	1
94	MP3C	X	-5.266	5.5
95	MP3C	Z	9.12	5.5
96	MP3C	Mx	-.007	5.5
97	MP4A	X	-2.161	1.6
98	MP4A	Z	3.743	1.6
99	MP4A	Mx	.003	1.6
100	MP4A	X	-2.161	4.46
101	MP4A	Z	3.743	4.46
102	MP4A	Mx	.003	4.46
103	MP4B	X	-1.216	1.6
104	MP4B	Z	2.106	1.6
105	MP4B	Mx	-.002	1.6
106	MP4B	X	-1.216	4.46
107	MP4B	Z	2.106	4.46
108	MP4B	Mx	-.002	4.46
109	MP4C	X	-3.049	1.6
110	MP4C	Z	5.281	1.6
111	MP4C	Mx	.000882	1.6
112	MP4C	X	-3.049	4.46
113	MP4C	Z	5.281	4.46
114	MP4C	Mx	.000882	4.46
115	MP4A	X	-.496	1.5
116	MP4A	Z	.859	1.5
117	MP4A	Mx	-.000701	1.5
118	MP4A	X	-.496	1.5
119	MP4A	Z	.859	1.5
120	MP4A	Mx	-.000701	1.5
121	MP4B	X	-.331	1.5
122	MP4B	Z	.574	1.5
123	MP4B	Mx	.000663	1.5
124	MP4B	X	-.331	1.5
125	MP4B	Z	.574	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
126	MP4B	Mx	.000663	1.5
127	MP4C	X	-.651	1.5
128	MP4C	Z	1.127	1.5
129	MP4C	Mx	-.000226	1.5
130	MP4C	X	-.651	1.5
131	MP4C	Z	1.127	1.5
132	MP4C	Mx	-.000226	1.5
133	SP2	X	-2.479	1
134	SP2	Z	4.294	1
135	SP2	Mx	-.000431	1
136	SP2	X	-2.479	1
137	SP2	Z	4.294	1
138	SP2	Mx	-.000431	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-4.79	1
2	MP2A	Z	2.765	1
3	MP2A	Mx	.004	1
4	MP2A	X	-4.79	5.5
5	MP2A	Z	2.765	5.5
6	MP2A	Mx	.004	5.5
7	MP2B	X	-5.599	1
8	MP2B	Z	3.233	1
9	MP2B	Mx	-.005	1
10	MP2B	X	-5.599	5.5
11	MP2B	Z	3.233	5.5
12	MP2B	Mx	-.005	5.5
13	MP2C	X	-8.399	1
14	MP2C	Z	4.849	1
15	MP2C	Mx	-.003	1
16	MP2C	X	-8.399	5.5
17	MP2C	Z	4.849	5.5
18	MP2C	Mx	-.003	5.5
19	MP1A	X	-1.478	1.5
20	MP1A	Z	.853	1.5
21	MP1A	Mx	-.002	1.5
22	MP1A	X	-1.478	1.5
23	MP1A	Z	.853	1.5
24	MP1A	Mx	-.002	1.5
25	MP1B	X	-1.608	1.5
26	MP1B	Z	.928	1.5
27	MP1B	Mx	.002	1.5
28	MP1B	X	-1.608	1.5
29	MP1B	Z	.928	1.5
30	MP1B	Mx	.002	1.5
31	MP1C	X	-2.057	1.5
32	MP1C	Z	1.188	1.5
33	MP1C	Mx	.000812	1.5
34	MP1C	X	-2.057	1.5
35	MP1C	Z	1.188	1.5
36	MP1C	Mx	.000812	1.5
37	MP1A	X	-1.225	4
38	MP1A	Z	.707	4
39	MP1A	Mx	-.001	4
40	MP1A	X	-1.225	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
41	MP1A	Z	.707	4
42	MP1A	Mx	-.001	4
43	MP1B	X	-1.404	4
44	MP1B	Z	.811	4
45	MP1B	Mx	.001	4
46	MP1B	X	-1.404	4
47	MP1B	Z	.811	4
48	MP1B	Mx	.001	4
49	MP1C	X	-2.026	4
50	MP1C	Z	1.169	4
51	MP1C	Mx	.000801	4
52	MP1C	X	-2.026	4
53	MP1C	Z	1.169	4
54	MP1C	Mx	.000801	4
55	SP1	X	-4.166	1
56	SP1	Z	2.405	1
57	SP1	Mx	.000823	1
58	SP1	X	-4.166	1
59	SP1	Z	2.405	1
60	SP1	Mx	.000823	1
61	MP3A	X	-6.324	1
62	MP3A	Z	3.651	1
63	MP3A	Mx	.004	1
64	MP3A	X	-6.324	5.5
65	MP3A	Z	3.651	5.5
66	MP3A	Mx	.004	5.5
67	MP3B	X	-6.897	1
68	MP3B	Z	3.982	1
69	MP3B	Mx	-.009	1
70	MP3B	X	-6.897	5.5
71	MP3B	Z	3.982	5.5
72	MP3B	Mx	-.009	5.5
73	MP3C	X	-8.881	1
74	MP3C	Z	5.128	1
75	MP3C	Mx	.005	1
76	MP3C	X	-8.881	5.5
77	MP3C	Z	5.128	5.5
78	MP3C	Mx	.005	5.5
79	MP3A	X	-6.321	1
80	MP3A	Z	3.65	1
81	MP3A	Mx	.007	1
82	MP3A	X	-6.321	5.5
83	MP3A	Z	3.65	5.5
84	MP3A	Mx	.007	5.5
85	MP3B	X	-6.889	1
86	MP3B	Z	3.977	1
87	MP3B	Mx	-.002	1
88	MP3B	X	-6.889	5.5
89	MP3B	Z	3.977	5.5
90	MP3B	Mx	-.002	5.5
91	MP3C	X	-8.851	1
92	MP3C	Z	5.11	1
93	MP3C	Mx	-.011	1
94	MP3C	X	-8.851	5.5
95	MP3C	Z	5.11	5.5
96	MP3C	Mx	-.011	5.5
97	MP4A	X	-2.325	1.6



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
98	MP4A	Z	1.343	1.6
99	MP4A	Mx	.002	1.6
100	MP4A	X	-2.325	4.46
101	MP4A	Z	1.343	4.46
102	MP4A	Mx	.002	4.46
103	MP4B	X	-2.924	1.6
104	MP4B	Z	1.688	1.6
105	MP4B	Mx	-.002	1.6
106	MP4B	X	-2.924	4.46
107	MP4B	Z	1.688	4.46
108	MP4B	Mx	-.002	4.46
109	MP4C	X	-4.996	1.6
110	MP4C	Z	2.885	1.6
111	MP4C	Mx	-.002	1.6
112	MP4C	X	-4.996	4.46
113	MP4C	Z	2.885	4.46
114	MP4C	Mx	-.002	4.46
115	MP4A	X	-.612	1.5
116	MP4A	Z	.353	1.5
117	MP4A	Mx	-.000683	1.5
118	MP4A	X	-.612	1.5
119	MP4A	Z	.353	1.5
120	MP4A	Mx	-.000683	1.5
121	MP4B	X	-.716	1.5
122	MP4B	Z	.414	1.5
123	MP4B	Mx	.000717	1.5
124	MP4B	X	-.716	1.5
125	MP4B	Z	.414	1.5
126	MP4B	Mx	.000717	1.5
127	MP4C	X	-1.078	1.5
128	MP4C	Z	.622	1.5
129	MP4C	Mx	.000426	1.5
130	MP4C	X	-1.078	1.5
131	MP4C	Z	.622	1.5
132	MP4C	Mx	.000426	1.5
133	SP2	X	-4.166	1
134	SP2	Z	2.405	1
135	SP2	Mx	.000823	1
136	SP2	X	-4.166	1
137	SP2	Z	2.405	1
138	SP2	Mx	.000823	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-5.53	1
2	MP2A	Z	0	1
3	MP2A	Mx	.004	1
4	MP2A	X	-5.53	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.004	5.5
7	MP2B	X	-9.019	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.004	1
10	MP2B	X	-9.019	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.004	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
13	MP2C	X	-7.298	1
14	MP2C	Z	0	1
15	MP2C	Mx	-0.005	1
16	MP2C	X	-7.298	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-0.005	5.5
19	MP1A	X	-1.707	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	-0.002	1.5
22	MP1A	X	-1.707	1.5
23	MP1A	Z	0	1.5
24	MP1A	Mx	-0.002	1.5
25	MP1B	X	-2.267	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	.001	1.5
28	MP1B	X	-2.267	1.5
29	MP1B	Z	0	1.5
30	MP1B	Mx	.001	1.5
31	MP1C	X	-1.991	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	.002	1.5
34	MP1C	X	-1.991	1.5
35	MP1C	Z	0	1.5
36	MP1C	Mx	.002	1.5
37	MP1A	X	-1.414	4
38	MP1A	Z	0	4
39	MP1A	Mx	-0.001	4
40	MP1A	X	-1.414	4
41	MP1A	Z	0	4
42	MP1A	Mx	-0.001	4
43	MP1B	X	-2.188	4
44	MP1B	Z	0	4
45	MP1B	Mx	.001	4
46	MP1B	X	-2.188	4
47	MP1B	Z	0	4
48	MP1B	Mx	.001	4
49	MP1C	X	-1.806	4
50	MP1C	Z	0	4
51	MP1C	Mx	.001	4
52	MP1C	X	-1.806	4
53	MP1C	Z	0	4
54	MP1C	Mx	.001	4
55	SP1	X	-4.015	1
56	SP1	Z	0	1
57	SP1	Mx	.002	1
58	SP1	X	-4.015	1
59	SP1	Z	0	1
60	SP1	Mx	.002	1
61	MP3A	X	-7.302	1
62	MP3A	Z	0	1
63	MP3A	Mx	.007	1
64	MP3A	X	-7.302	5.5
65	MP3A	Z	0	5.5
66	MP3A	Mx	.007	5.5
67	MP3B	X	-9.774	1
68	MP3B	Z	0	1
69	MP3B	Mx	-0.011	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
70	MP3B	X	-9.774	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	-.011	5.5
73	MP3C	X	-8.555	1
74	MP3C	Z	0	1
75	MP3C	Mx	-.000879	1
76	MP3C	X	-8.555	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	-.000879	5.5
79	MP3A	X	-7.299	1
80	MP3A	Z	0	1
81	MP3A	Mx	.004	1
82	MP3A	X	-7.299	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	.004	5.5
85	MP3B	X	-9.744	1
86	MP3B	Z	0	1
87	MP3B	Mx	.003	1
88	MP3B	X	-9.744	5.5
89	MP3B	Z	0	5.5
90	MP3B	Mx	.003	5.5
91	MP3C	X	-8.539	1
92	MP3C	Z	0	1
93	MP3C	Mx	-.01	1
94	MP3C	X	-8.539	5.5
95	MP3C	Z	0	5.5
96	MP3C	Mx	-.01	5.5
97	MP4A	X	-2.685	1.6
98	MP4A	Z	0	1.6
99	MP4A	Mx	.002	1.6
100	MP4A	X	-2.685	4.46
101	MP4A	Z	0	4.46
102	MP4A	Mx	.002	4.46
103	MP4B	X	-5.267	1.6
104	MP4B	Z	0	1.6
105	MP4B	Mx	-.002	1.6
106	MP4B	X	-5.267	4.46
107	MP4B	Z	0	4.46
108	MP4B	Mx	-.002	4.46
109	MP4C	X	-3.994	1.6
110	MP4C	Z	0	1.6
111	MP4C	Mx	-.003	1.6
112	MP4C	X	-3.994	4.46
113	MP4C	Z	0	4.46
114	MP4C	Mx	-.003	4.46
115	MP4A	X	-.706	1.5
116	MP4A	Z	0	1.5
117	MP4A	Mx	-.000682	1.5
118	MP4A	X	-.706	1.5
119	MP4A	Z	0	1.5
120	MP4A	Mx	-.000682	1.5
121	MP4B	X	-1.157	1.5
122	MP4B	Z	0	1.5
123	MP4B	Mx	.000578	1.5
124	MP4B	X	-1.157	1.5
125	MP4B	Z	0	1.5
126	MP4B	Mx	.000578	1.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
127	MP4C	X	-.935	1.5
128	MP4C	Z	0	1.5
129	MP4C	Mx	.000716	1.5
130	MP4C	X	-.935	1.5
131	MP4C	Z	0	1.5
132	MP4C	Mx	.000716	1.5
133	SP2	X	-4.015	1
134	SP2	Z	0	1
135	SP2	Mx	.002	1
136	SP2	X	-4.015	1
137	SP2	Z	0	1
138	SP2	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.705	1
2	MP2A	Z	-3.871	1
3	MP2A	Mx	.005	1
4	MP2A	X	-6.705	5.5
5	MP2A	Z	-3.871	5.5
6	MP2A	Mx	.005	5.5
7	MP2B	X	-8.916	1
8	MP2B	Z	-5.148	1
9	MP2B	Mx	0	1
10	MP2B	X	-8.916	5.5
11	MP2B	Z	-5.148	5.5
12	MP2B	Mx	0	5.5
13	MP2C	X	-4.627	1
14	MP2C	Z	-2.671	1
15	MP2C	Mx	-.004	1
16	MP2C	X	-4.627	5.5
17	MP2C	Z	-2.671	5.5
18	MP2C	Mx	-.004	5.5
19	MP1A	X	-1.786	1.5
20	MP1A	Z	-1.031	1.5
21	MP1A	Mx	-.001	1.5
22	MP1A	X	-1.786	1.5
23	MP1A	Z	-1.031	1.5
24	MP1A	Mx	-.001	1.5
25	MP1B	X	-2.14	1.5
26	MP1B	Z	-1.236	1.5
27	MP1B	Mx	0	1.5
28	MP1B	X	-2.14	1.5
29	MP1B	Z	-1.236	1.5
30	MP1B	Mx	0	1.5
31	MP1C	X	-1.452	1.5
32	MP1C	Z	-.838	1.5
33	MP1C	Mx	.002	1.5
34	MP1C	X	-1.452	1.5
35	MP1C	Z	-.838	1.5
36	MP1C	Mx	.002	1.5
37	MP1A	X	-1.65	4
38	MP1A	Z	-.952	4
39	MP1A	Mx	-.001	4
40	MP1A	X	-1.65	4
41	MP1A	Z	-.952	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
42	MP1A	Mx	-0.001	4
43	MP1B	X	-2.14	4
44	MP1B	Z	-1.236	4
45	MP1B	Mx	0	4
46	MP1B	X	-2.14	4
47	MP1B	Z	-1.236	4
48	MP1B	Mx	0	4
49	MP1C	X	-1.188	4
50	MP1C	Z	-0.686	4
51	MP1C	Mx	.001	4
52	MP1C	X	-1.188	4
53	MP1C	Z	-0.686	4
54	MP1C	Mx	.001	4
55	SP1	X	-2.916	1
56	SP1	Z	-1.683	1
57	SP1	Mx	.002	1
58	SP1	X	-2.916	1
59	SP1	Z	-1.683	1
60	SP1	Mx	.002	1
61	MP3A	X	-7.681	1
62	MP3A	Z	-4.435	1
63	MP3A	Mx	.01	1
64	MP3A	X	-7.681	5.5
65	MP3A	Z	-4.435	5.5
66	MP3A	Mx	.01	5.5
67	MP3B	X	-9.248	1
68	MP3B	Z	-5.339	1
69	MP3B	Mx	-0.009	1
70	MP3B	X	-9.248	5.5
71	MP3B	Z	-5.339	5.5
72	MP3B	Mx	-0.009	5.5
73	MP3C	X	-6.208	1
74	MP3C	Z	-3.584	1
75	MP3C	Mx	-0.005	1
76	MP3C	X	-6.208	5.5
77	MP3C	Z	-3.584	5.5
78	MP3C	Mx	-0.005	5.5
79	MP3A	X	-7.664	1
80	MP3A	Z	-4.425	1
81	MP3A	Mx	0	1
82	MP3A	X	-7.664	5.5
83	MP3A	Z	-4.425	5.5
84	MP3A	Mx	0	5.5
85	MP3B	X	-9.214	1
86	MP3B	Z	-5.32	1
87	MP3B	Mx	.009	1
88	MP3B	X	-9.214	5.5
89	MP3B	Z	-5.32	5.5
90	MP3B	Mx	.009	5.5
91	MP3C	X	-6.207	1
92	MP3C	Z	-3.584	1
93	MP3C	Mx	-0.007	1
94	MP3C	X	-6.207	5.5
95	MP3C	Z	-3.584	5.5
96	MP3C	Mx	-0.007	5.5
97	MP4A	X	-3.743	1.6
98	MP4A	Z	-2.161	1.6

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
99	MP4A	Mx	.003	1.6
100	MP4A	X	-3.743	4.46
101	MP4A	Z	-2.161	4.46
102	MP4A	Mx	.003	4.46
103	MP4B	X	-5.379	1.6
104	MP4B	Z	-3.106	1.6
105	MP4B	Mx	0	1.6
106	MP4B	X	-5.379	4.46
107	MP4B	Z	-3.106	4.46
108	MP4B	Mx	0	4.46
109	MP4C	X	-2.205	1.6
110	MP4C	Z	-1.273	1.6
111	MP4C	Mx	-.002	1.6
112	MP4C	X	-2.205	4.46
113	MP4C	Z	-1.273	4.46
114	MP4C	Mx	-.002	4.46
115	MP4A	X	-.859	1.5
116	MP4A	Z	-.496	1.5
117	MP4A	Mx	-.000701	1.5
118	MP4A	X	-.859	1.5
119	MP4A	Z	-.496	1.5
120	MP4A	Mx	-.000701	1.5
121	MP4B	X	-1.145	1.5
122	MP4B	Z	-.661	1.5
123	MP4B	Mx	0	1.5
124	MP4B	X	-1.145	1.5
125	MP4B	Z	-.661	1.5
126	MP4B	Mx	0	1.5
127	MP4C	X	-.591	1.5
128	MP4C	Z	-.341	1.5
129	MP4C	Mx	.000672	1.5
130	MP4C	X	-.591	1.5
131	MP4C	Z	-.341	1.5
132	MP4C	Mx	.000672	1.5
133	SP2	X	-2.916	1
134	SP2	Z	-1.683	1
135	SP2	Mx	.002	1
136	SP2	X	-2.916	1
137	SP2	Z	-1.683	1
138	SP2	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-4.977	1
2	MP2A	Z	-8.62	1
3	MP2A	Mx	.002	1
4	MP2A	X	-4.977	5.5
5	MP2A	Z	-8.62	5.5
6	MP2A	Mx	.002	5.5
7	MP2B	X	-4.509	1
8	MP2B	Z	-7.81	1
9	MP2B	Mx	.004	1
10	MP2B	X	-4.509	5.5
11	MP2B	Z	-7.81	5.5
12	MP2B	Mx	.004	5.5
13	MP2C	X	-2.893	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
14	MP2C	Z	-5.011	1
15	MP2C	Mx	-0.005	1
16	MP2C	X	-2.893	5.5
17	MP2C	Z	-5.011	5.5
18	MP2C	Mx	-0.005	5.5
19	MP1A	X	-1.208	1.5
20	MP1A	Z	-2.093	1.5
21	MP1A	Mx	-0.00625	1.5
22	MP1A	X	-1.208	1.5
23	MP1A	Z	-2.093	1.5
24	MP1A	Mx	-0.00625	1.5
25	MP1B	X	-1.133	1.5
26	MP1B	Z	-1.963	1.5
27	MP1B	Mx	-0.001	1.5
28	MP1B	X	-1.133	1.5
29	MP1B	Z	-1.963	1.5
30	MP1B	Mx	-0.001	1.5
31	MP1C	X	-0.874	1.5
32	MP1C	Z	-1.514	1.5
33	MP1C	Mx	.002	1.5
34	MP1C	X	-0.874	1.5
35	MP1C	Z	-1.514	1.5
36	MP1C	Mx	.002	1.5
37	MP1A	X	-1.198	4
38	MP1A	Z	-2.075	4
39	MP1A	Mx	-0.0062	4
40	MP1A	X	-1.198	4
41	MP1A	Z	-2.075	4
42	MP1A	Mx	-0.0062	4
43	MP1B	X	-1.094	4
44	MP1B	Z	-1.895	4
45	MP1B	Mx	-0.001	4
46	MP1B	X	-1.094	4
47	MP1B	Z	-1.895	4
48	MP1B	Mx	-0.001	4
49	MP1C	X	-0.735	4
50	MP1C	Z	-1.274	4
51	MP1C	Mx	.001	4
52	MP1C	X	-0.735	4
53	MP1C	Z	-1.274	4
54	MP1C	Mx	.001	4
55	SP1	X	-1.757	1
56	SP1	Z	-3.043	1
57	SP1	Mx	.002	1
58	SP1	X	-1.757	1
59	SP1	Z	-3.043	1
60	SP1	Mx	.002	1
61	MP3A	X	-5.218	1
62	MP3A	Z	-9.038	1
63	MP3A	Mx	.011	1
64	MP3A	X	-5.218	5.5
65	MP3A	Z	-9.038	5.5
66	MP3A	Mx	.011	5.5
67	MP3B	X	-4.887	1
68	MP3B	Z	-8.464	1
69	MP3B	Mx	-0.003	1
70	MP3B	X	-4.887	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
71	MP3B	Z	-8.464	5.5
72	MP3B	Mx	-.003	5.5
73	MP3C	X	-3.741	1
74	MP3C	Z	-6.48	1
75	MP3C	Mx	-.008	1
76	MP3C	X	-3.741	5.5
77	MP3C	Z	-6.48	5.5
78	MP3C	Mx	-.008	5.5
79	MP3A	X	-5.2	1
80	MP3A	Z	-9.006	1
81	MP3A	Mx	-.006	1
82	MP3A	X	-5.2	5.5
83	MP3A	Z	-9.006	5.5
84	MP3A	Mx	-.006	5.5
85	MP3B	X	-4.872	1
86	MP3B	Z	-8.439	1
87	MP3B	Mx	.011	1
88	MP3B	X	-4.872	5.5
89	MP3B	Z	-8.439	5.5
90	MP3B	Mx	.011	5.5
91	MP3C	X	-3.739	1
92	MP3C	Z	-6.476	1
93	MP3C	Mx	-.004	1
94	MP3C	X	-3.739	5.5
95	MP3C	Z	-6.476	5.5
96	MP3C	Mx	-.004	5.5
97	MP4A	X	-2.979	1.6
98	MP4A	Z	-5.16	1.6
99	MP4A	Mx	.001	1.6
100	MP4A	X	-2.979	4.46
101	MP4A	Z	-5.16	4.46
102	MP4A	Mx	.001	4.46
103	MP4B	X	-2.633	1.6
104	MP4B	Z	-4.561	1.6
105	MP4B	Mx	.002	1.6
106	MP4B	X	-2.633	4.46
107	MP4B	Z	-4.561	4.46
108	MP4B	Mx	.002	4.46
109	MP4C	X	-1.437	1.6
110	MP4C	Z	-2.489	1.6
111	MP4C	Mx	-.002	1.6
112	MP4C	X	-1.437	4.46
113	MP4C	Z	-2.489	4.46
114	MP4C	Mx	-.002	4.46
115	MP4A	X	-.639	1.5
116	MP4A	Z	-1.106	1.5
117	MP4A	Mx	-.000331	1.5
118	MP4A	X	-.639	1.5
119	MP4A	Z	-1.106	1.5
120	MP4A	Mx	-.000331	1.5
121	MP4B	X	-.578	1.5
122	MP4B	Z	-1.002	1.5
123	MP4B	Mx	-.000579	1.5
124	MP4B	X	-.578	1.5
125	MP4B	Z	-1.002	1.5
126	MP4B	Mx	-.000579	1.5
127	MP4C	X	-.37	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
128	MP4C	Z	-.64	1.5
129	MP4C	Mx	.000695	1.5
130	MP4C	X	-.37	1.5
131	MP4C	Z	-.64	1.5
132	MP4C	Mx	.000695	1.5
133	SP2	X	-1.757	1
134	SP2	Z	-3.043	1
135	SP2	Mx	.002	1
136	SP2	X	-1.757	1
137	SP2	Z	-3.043	1
138	SP2	Mx	.002	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	M7	Y	-500	%15

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	M7	Y	-500	%38

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	M7	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	M7	Y	-250	%100

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.-%]	End Location[ft.-%]
1	ASO	Y	-10.543	-10.543	0	%100
2	M1	Y	-7.566	-7.566	0	%100
3	M2	Y	-7.566	-7.566	0	%100
4	M3	Y	-10.032	-10.032	0	%100
5	M4	Y	-7.566	-7.566	0	%100
6	M5	Y	-7.566	-7.566	0	%100
7	M6	Y	-10.032	-10.032	0	%100
8	M7	Y	-7.566	-7.566	0	%100
9	M8	Y	-7.566	-7.566	0	%100
10	M9	Y	-10.032	-10.032	0	%100
11	M17	Y	-4.945	-4.945	0	%100
12	M18	Y	-4.945	-4.945	0	%100
13	M19	Y	-4.945	-4.945	0	%100
14	M20A	Y	-6.574	-6.574	0	%100
15	M21	Y	-6.574	-6.574	0	%100
16	M22	Y	-6.574	-6.574	0	%100
17	M26	Y	-4.945	-4.945	0	%100
18	M27	Y	-4.945	-4.945	0	%100
19	M28	Y	-4.945	-4.945	0	%100
20	M54	Y	-10.543	-10.543	0	%100
21	M55	Y	-9.551	-9.551	0	%100
22	M55A	Y	-9.551	-9.551	0	%100
23	M56	Y	-10.543	-10.543	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
24	M57	Y	-9.551	-9.551	0	%100
25	MP1A	Y	-4.945	-4.945	0	%100
26	MP1B	Y	-4.945	-4.945	0	%100
27	MP1C	Y	-4.945	-4.945	0	%100
28	MP2A	Y	-4.945	-4.945	0	%100
29	MP2B	Y	-4.945	-4.945	0	%100
30	MP2C	Y	-4.945	-4.945	0	%100
31	MP4A	Y	-4.945	-4.945	0	%100
32	MP4B	Y	-4.945	-4.945	0	%100
33	MP4C	Y	-4.945	-4.945	0	%100
34	SP2	Y	-4.945	-4.945	0	%100
35	SP1	Y	-4.945	-4.945	0	%100
36	M71	Y	-4.945	-4.945	0	%100
37	M72	Y	-4.945	-4.945	0	%100
38	MP3A	Y	-5.647	-5.647	0	%100
39	M73A	Y	-4.945	-4.945	0	%100
40	MP3B	Y	-5.647	-5.647	0	%100
41	M73	Y	-4.945	-4.945	0	%100
42	MP3C	Y	-5.647	-5.647	0	%100
43	M79	Y	-4.945	-4.945	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	ASO	X	0	0	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	-5.025	-5.025	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	-5.025	-5.025	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	-12.647	-12.647	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	-5.025	-5.025	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	-5.025	-5.025	0	%100
13	M6	X	0	0	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	-20.102	-20.102	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	-20.102	-20.102	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	-12.647	-12.647	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	-9.548	-9.548	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-2.387	-2.387	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	-2.387	-2.387	0	%100
27	M20A	X	0	0	0	%100
28	M20A	Z	-2.615	-2.615	0	%100
29	M21	X	0	0	0	%100
30	M21	Z	-2.615	-2.615	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	-10.46	-10.46	0	%100
33	M26	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
34	M26	Z	-2.387	-2.387	0 %100
35	M27	X	0	0	0 %100
36	M27	Z	-2.387	-2.387	0 %100
37	M28	X	0	0	0 %100
38	M28	Z	-9.548	-9.548	0 %100
39	M54	X	0	0	0 %100
40	M54	Z	-9.967	-9.967	0 %100
41	M55	X	0	0	0 %100
42	M55	Z	0	0	0 %100
43	M55A	X	0	0	0 %100
44	M55A	Z	-8.543	-8.543	0 %100
45	M56	X	0	0	0 %100
46	M56	Z	-9.967	-9.967	0 %100
47	M57	X	0	0	0 %100
48	M57	Z	-8.543	-8.543	0 %100
49	MP1A	X	0	0	0 %100
50	MP1A	Z	-9.548	-9.548	0 %100
51	MP1B	X	0	0	0 %100
52	MP1B	Z	-9.548	-9.548	0 %100
53	MP1C	X	0	0	0 %100
54	MP1C	Z	-9.548	-9.548	0 %100
55	MP2A	X	0	0	0 %100
56	MP2A	Z	-9.548	-9.548	0 %100
57	MP2B	X	0	0	0 %100
58	MP2B	Z	-9.548	-9.548	0 %100
59	MP2C	X	0	0	0 %100
60	MP2C	Z	-9.548	-9.548	0 %100
61	MP4A	X	0	0	0 %100
62	MP4A	Z	-9.548	-9.548	0 %100
63	MP4B	X	0	0	0 %100
64	MP4B	Z	-9.548	-9.548	0 %100
65	MP4C	X	0	0	0 %100
66	MP4C	Z	-9.548	-9.548	0 %100
67	SP2	X	0	0	0 %100
68	SP2	Z	-7.361	-7.361	0 %100
69	SP1	X	0	0	0 %100
70	SP1	Z	-7.361	-7.361	0 %100
71	M71	X	0	0	0 %100
72	M71	Z	-.039	-.039	0 %100
73	M72	X	0	0	0 %100
74	M72	Z	-2.473	-2.473	0 %100
75	MP3A	X	0	0	0 %100
76	MP3A	Z	-11.559	-11.559	0 %100
77	M73A	X	0	0	0 %100
78	M73A	Z	-9.548	-9.548	0 %100
79	MP3B	X	0	0	0 %100
80	MP3B	Z	-11.559	-11.559	0 %100
81	M73	X	0	0	0 %100
82	M73	Z	-9.548	-9.548	0 %100
83	MP3C	X	0	0	0 %100
84	MP3C	Z	-11.559	-11.559	0 %100
85	M79	X	0	0	0 %100
86	M79	Z	-9.548	-9.548	0 %100

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

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



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	ASO	X	1.661	1.661	0 %100
2	ASO	Z	-2.877	-2.877	0 %100
3	M1	X	0	0	0 %100
4	M1	Z	0	0	0 %100
5	M2	X	0	0	0 %100
6	M2	Z	0	0	0 %100
7	M3	X	2.108	2.108	0 %100
8	M3	Z	-3.651	-3.651	0 %100
9	M4	X	7.538	7.538	0 %100
10	M4	Z	-13.056	-13.056	0 %100
11	M5	X	7.538	7.538	0 %100
12	M5	Z	-13.056	-13.056	0 %100
13	M6	X	2.108	2.108	0 %100
14	M6	Z	-3.651	-3.651	0 %100
15	M7	X	7.538	7.538	0 %100
16	M7	Z	-13.056	-13.056	0 %100
17	M8	X	7.538	7.538	0 %100
18	M8	Z	-13.056	-13.056	0 %100
19	M9	X	8.432	8.432	0 %100
20	M9	Z	-14.604	-14.604	0 %100
21	M17	X	3.581	3.581	0 %100
22	M17	Z	-6.202	-6.202	0 %100
23	M18	X	0	0	0 %100
24	M18	Z	0	0	0 %100
25	M19	X	3.581	3.581	0 %100
26	M19	Z	-6.202	-6.202	0 %100
27	M20A	X	0	0	0 %100
28	M20A	Z	0	0	0 %100
29	M21	X	3.923	3.923	0 %100
30	M21	Z	-6.794	-6.794	0 %100
31	M22	X	3.923	3.923	0 %100
32	M22	Z	-6.794	-6.794	0 %100
33	M26	X	0	0	0 %100
34	M26	Z	0	0	0 %100
35	M27	X	3.581	3.581	0 %100
36	M27	Z	-6.202	-6.202	0 %100
37	M28	X	3.581	3.581	0 %100
38	M28	Z	-6.202	-6.202	0 %100
39	M54	X	6.645	6.645	0 %100
40	M54	Z	-11.509	-11.509	0 %100
41	M55	X	1.424	1.424	0 %100
42	M55	Z	-2.466	-2.466	0 %100
43	M55A	X	5.696	5.696	0 %100
44	M55A	Z	-9.865	-9.865	0 %100
45	M56	X	1.661	1.661	0 %100
46	M56	Z	-2.877	-2.877	0 %100
47	M57	X	1.424	1.424	0 %100
48	M57	Z	-2.466	-2.466	0 %100
49	MP1A	X	4.774	4.774	0 %100
50	MP1A	Z	-8.269	-8.269	0 %100
51	MP1B	X	4.774	4.774	0 %100
52	MP1B	Z	-8.269	-8.269	0 %100
53	MP1C	X	4.774	4.774	0 %100
54	MP1C	Z	-8.269	-8.269	0 %100
55	MP2A	X	4.774	4.774	0 %100
56	MP2A	Z	-8.269	-8.269	0 %100
57	MP2B	X	4.774	4.774	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
58	MP2B	Z	-8.269	-8.269	0 %100
59	MP2C	X	4.774	4.774	0 %100
60	MP2C	Z	-8.269	-8.269	0 %100
61	MP4A	X	4.774	4.774	0 %100
62	MP4A	Z	-8.269	-8.269	0 %100
63	MP4B	X	4.774	4.774	0 %100
64	MP4B	Z	-8.269	-8.269	0 %100
65	MP4C	X	4.774	4.774	0 %100
66	MP4C	Z	-8.269	-8.269	0 %100
67	SP2	X	3.681	3.681	0 %100
68	SP2	Z	-6.375	-6.375	0 %100
69	SP1	X	3.681	3.681	0 %100
70	SP1	Z	-6.375	-6.375	0 %100
71	M71	X	1.032	1.032	0 %100
72	M71	Z	-1.787	-1.787	0 %100
73	M72	X	.066	.066	0 %100
74	M72	Z	-.114	-.114	0 %100
75	MP3A	X	5.779	5.779	0 %100
76	MP3A	Z	-10.01	-10.01	0 %100
77	M73A	X	4.774	4.774	0 %100
78	M73A	Z	-8.269	-8.269	0 %100
79	MP3B	X	5.779	5.779	0 %100
80	MP3B	Z	-10.01	-10.01	0 %100
81	M73	X	4.774	4.774	0 %100
82	M73	Z	-8.269	-8.269	0 %100
83	MP3C	X	5.779	5.779	0 %100
84	MP3C	Z	-10.01	-10.01	0 %100
85	M79	X	4.774	4.774	0 %100
86	M79	Z	-8.269	-8.269	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	ASO	X	8.632	8.632	0 %100
2	ASO	Z	-4.984	-4.984	0 %100
3	M1	X	4.352	4.352	0 %100
4	M1	Z	-2.513	-2.513	0 %100
5	M2	X	4.352	4.352	0 %100
6	M2	Z	-2.513	-2.513	0 %100
7	M3	X	0	0	0 %100
8	M3	Z	0	0	0 %100
9	M4	X	17.409	17.409	0 %100
10	M4	Z	-10.051	-10.051	0 %100
11	M5	X	17.409	17.409	0 %100
12	M5	Z	-10.051	-10.051	0 %100
13	M6	X	10.953	10.953	0 %100
14	M6	Z	-6.324	-6.324	0 %100
15	M7	X	4.352	4.352	0 %100
16	M7	Z	-2.513	-2.513	0 %100
17	M8	X	4.352	4.352	0 %100
18	M8	Z	-2.513	-2.513	0 %100
19	M9	X	10.953	10.953	0 %100
20	M9	Z	-6.324	-6.324	0 %100
21	M17	X	2.067	2.067	0 %100
22	M17	Z	-1.194	-1.194	0 %100
23	M18	X	2.067	2.067	0 %100
24	M18	Z	-1.194	-1.194	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
25	M19	X	8.269	8.269	0 %100
26	M19	Z	-4.774	-4.774	0 %100
27	M20A	X	2.265	2.265	0 %100
28	M20A	Z	-1.308	-1.308	0 %100
29	M21	X	9.059	9.059	0 %100
30	M21	Z	-5.23	-5.23	0 %100
31	M22	X	2.265	2.265	0 %100
32	M22	Z	-1.308	-1.308	0 %100
33	M26	X	2.067	2.067	0 %100
34	M26	Z	-1.194	-1.194	0 %100
35	M27	X	8.269	8.269	0 %100
36	M27	Z	-4.774	-4.774	0 %100
37	M28	X	2.067	2.067	0 %100
38	M28	Z	-1.194	-1.194	0 %100
39	M54	X	8.632	8.632	0 %100
40	M54	Z	-4.984	-4.984	0 %100
41	M55	X	7.399	7.399	0 %100
42	M55	Z	-4.272	-4.272	0 %100
43	M55A	X	7.399	7.399	0 %100
44	M55A	Z	-4.272	-4.272	0 %100
45	M56	X	0	0	0 %100
46	M56	Z	0	0	0 %100
47	M57	X	0	0	0 %100
48	M57	Z	0	0	0 %100
49	MP1A	X	8.269	8.269	0 %100
50	MP1A	Z	-4.774	-4.774	0 %100
51	MP1B	X	8.269	8.269	0 %100
52	MP1B	Z	-4.774	-4.774	0 %100
53	MP1C	X	8.269	8.269	0 %100
54	MP1C	Z	-4.774	-4.774	0 %100
55	MP2A	X	8.269	8.269	0 %100
56	MP2A	Z	-4.774	-4.774	0 %100
57	MP2B	X	8.269	8.269	0 %100
58	MP2B	Z	-4.774	-4.774	0 %100
59	MP2C	X	8.269	8.269	0 %100
60	MP2C	Z	-4.774	-4.774	0 %100
61	MP4A	X	8.269	8.269	0 %100
62	MP4A	Z	-4.774	-4.774	0 %100
63	MP4B	X	8.269	8.269	0 %100
64	MP4B	Z	-4.774	-4.774	0 %100
65	MP4C	X	8.269	8.269	0 %100
66	MP4C	Z	-4.774	-4.774	0 %100
67	SP2	X	6.375	6.375	0 %100
68	SP2	Z	-3.681	-3.681	0 %100
69	SP1	X	6.375	6.375	0 %100
70	SP1	Z	-3.681	-3.681	0 %100
71	M71	X	4.54	4.54	0 %100
72	M71	Z	-2.621	-2.621	0 %100
73	M72	X	.773	.773	0 %100
74	M72	Z	-.446	-.446	0 %100
75	MP3A	X	10.01	10.01	0 %100
76	MP3A	Z	-5.779	-5.779	0 %100
77	M73A	X	8.269	8.269	0 %100
78	M73A	Z	-4.774	-4.774	0 %100
79	MP3B	X	10.01	10.01	0 %100
80	MP3B	Z	-5.779	-5.779	0 %100
81	M73	X	8.269	8.269	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft, %]	End Location[ft, %]
82	M73	Z	-4.774	-4.774	0	%100
83	MP3C	X	10.01	10.01	0	%100
84	MP3C	Z	-5.779	-5.779	0	%100
85	M79	X	8.269	8.269	0	%100
86	M79	Z	-4.774	-4.774	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	13.29	13.29	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	15.076	15.076	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	15.076	15.076	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	4.216	4.216	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	15.076	15.076	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	15.076	15.076	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	16.863	16.863	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	0	0	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	0	0	0	%100
19	M9	X	4.216	4.216	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	7.161	7.161	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	7.161	7.161	0	%100
26	M19	Z	0	0	0	%100
27	M20A	X	7.845	7.845	0	%100
28	M20A	Z	0	0	0	%100
29	M21	X	7.845	7.845	0	%100
30	M21	Z	0	0	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	0	0	0	%100
33	M26	X	7.161	7.161	0	%100
34	M26	Z	0	0	0	%100
35	M27	X	7.161	7.161	0	%100
36	M27	Z	0	0	0	%100
37	M28	X	0	0	0	%100
38	M28	Z	0	0	0	%100
39	M54	X	3.322	3.322	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	11.391	11.391	0	%100
42	M55	Z	0	0	0	%100
43	M55A	X	2.848	2.848	0	%100
44	M55A	Z	0	0	0	%100
45	M56	X	3.322	3.322	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	2.848	2.848	0	%100
48	M57	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,...	Start Location[ft, %]	End Location[ft, %]
49	MP1A	X	9.548	9.548	0	%100
50	MP1A	Z	0	0	0	%100
51	MP1B	X	9.548	9.548	0	%100
52	MP1B	Z	0	0	0	%100
53	MP1C	X	9.548	9.548	0	%100
54	MP1C	Z	0	0	0	%100
55	MP2A	X	9.548	9.548	0	%100
56	MP2A	Z	0	0	0	%100
57	MP2B	X	9.548	9.548	0	%100
58	MP2B	Z	0	0	0	%100
59	MP2C	X	9.548	9.548	0	%100
60	MP2C	Z	0	0	0	%100
61	MP4A	X	9.548	9.548	0	%100
62	MP4A	Z	0	0	0	%100
63	MP4B	X	9.548	9.548	0	%100
64	MP4B	Z	0	0	0	%100
65	MP4C	X	9.548	9.548	0	%100
66	MP4C	Z	0	0	0	%100
67	SP2	X	7.361	7.361	0	%100
68	SP2	Z	0	0	0	%100
69	SP1	X	7.361	7.361	0	%100
70	SP1	Z	0	0	0	%100
71	M71	X	6.398	6.398	0	%100
72	M71	Z	0	0	0	%100
73	M72	X	3.994	3.994	0	%100
74	M72	Z	0	0	0	%100
75	MP3A	X	11.559	11.559	0	%100
76	MP3A	Z	0	0	0	%100
77	M73A	X	9.548	9.548	0	%100
78	M73A	Z	0	0	0	%100
79	MP3B	X	11.559	11.559	0	%100
80	MP3B	Z	0	0	0	%100
81	M73	X	9.548	9.548	0	%100
82	M73	Z	0	0	0	%100
83	MP3C	X	11.559	11.559	0	%100
84	MP3C	Z	0	0	0	%100
85	M79	X	9.548	9.548	0	%100
86	M79	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,...	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	8.632	8.632	0	%100
2	ASO	Z	4.984	4.984	0	%100
3	M1	X	17.409	17.409	0	%100
4	M1	Z	10.051	10.051	0	%100
5	M2	X	17.409	17.409	0	%100
6	M2	Z	10.051	10.051	0	%100
7	M3	X	10.953	10.953	0	%100
8	M3	Z	6.324	6.324	0	%100
9	M4	X	4.352	4.352	0	%100
10	M4	Z	2.513	2.513	0	%100
11	M5	X	4.352	4.352	0	%100
12	M5	Z	2.513	2.513	0	%100
13	M6	X	10.953	10.953	0	%100
14	M6	Z	6.324	6.324	0	%100
15	M7	X	4.352	4.352	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
16	M7	Z	2.513	2.513	0 %100
17	M8	X	4.352	4.352	0 %100
18	M8	Z	2.513	2.513	0 %100
19	M9	X	0	0	0 %100
20	M9	Z	0	0	0 %100
21	M17	X	2.067	2.067	0 %100
22	M17	Z	1.194	1.194	0 %100
23	M18	X	8.269	8.269	0 %100
24	M18	Z	4.774	4.774	0 %100
25	M19	X	2.067	2.067	0 %100
26	M19	Z	1.194	1.194	0 %100
27	M20A	X	9.059	9.059	0 %100
28	M20A	Z	5.23	5.23	0 %100
29	M21	X	2.265	2.265	0 %100
30	M21	Z	1.308	1.308	0 %100
31	M22	X	2.265	2.265	0 %100
32	M22	Z	1.308	1.308	0 %100
33	M26	X	8.269	8.269	0 %100
34	M26	Z	4.774	4.774	0 %100
35	M27	X	2.067	2.067	0 %100
36	M27	Z	1.194	1.194	0 %100
37	M28	X	2.067	2.067	0 %100
38	M28	Z	1.194	1.194	0 %100
39	M54	X	0	0	0 %100
40	M54	Z	0	0	0 %100
41	M55	X	7.399	7.399	0 %100
42	M55	Z	4.272	4.272	0 %100
43	M55A	X	0	0	0 %100
44	M55A	Z	0	0	0 %100
45	M56	X	8.632	8.632	0 %100
46	M56	Z	4.984	4.984	0 %100
47	M57	X	7.399	7.399	0 %100
48	M57	Z	4.272	4.272	0 %100
49	MP1A	X	8.269	8.269	0 %100
50	MP1A	Z	4.774	4.774	0 %100
51	MP1B	X	8.269	8.269	0 %100
52	MP1B	Z	4.774	4.774	0 %100
53	MP1C	X	8.269	8.269	0 %100
54	MP1C	Z	4.774	4.774	0 %100
55	MP2A	X	8.269	8.269	0 %100
56	MP2A	Z	4.774	4.774	0 %100
57	MP2B	X	8.269	8.269	0 %100
58	MP2B	Z	4.774	4.774	0 %100
59	MP2C	X	8.269	8.269	0 %100
60	MP2C	Z	4.774	4.774	0 %100
61	MP4A	X	8.269	8.269	0 %100
62	MP4A	Z	4.774	4.774	0 %100
63	MP4B	X	8.269	8.269	0 %100
64	MP4B	Z	4.774	4.774	0 %100
65	MP4C	X	8.269	8.269	0 %100
66	MP4C	Z	4.774	4.774	0 %100
67	SP2	X	6.375	6.375	0 %100
68	SP2	Z	3.681	3.681	0 %100
69	SP1	X	6.375	6.375	0 %100
70	SP1	Z	3.681	3.681	0 %100
71	M71	X	3.788	3.788	0 %100
72	M71	Z	2.187	2.187	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
73	M72	X	5.486	5.486	0	%100
74	M72	Z	3.168	3.168	0	%100
75	MP3A	X	10.01	10.01	0	%100
76	MP3A	Z	5.779	5.779	0	%100
77	M73A	X	8.269	8.269	0	%100
78	M73A	Z	4.774	4.774	0	%100
79	MP3B	X	10.01	10.01	0	%100
80	MP3B	Z	5.779	5.779	0	%100
81	M73	X	8.269	8.269	0	%100
82	M73	Z	4.774	4.774	0	%100
83	MP3C	X	10.01	10.01	0	%100
84	MP3C	Z	5.779	5.779	0	%100
85	M79	X	8.269	8.269	0	%100
86	M79	Z	4.774	4.774	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	1.661	1.661	0	%100
2	ASO	Z	2.877	2.877	0	%100
3	M1	X	7.538	7.538	0	%100
4	M1	Z	13.056	13.056	0	%100
5	M2	X	7.538	7.538	0	%100
6	M2	Z	13.056	13.056	0	%100
7	M3	X	8.432	8.432	0	%100
8	M3	Z	14.604	14.604	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	2.108	2.108	0	%100
14	M6	Z	3.651	3.651	0	%100
15	M7	X	7.538	7.538	0	%100
16	M7	Z	13.056	13.056	0	%100
17	M8	X	7.538	7.538	0	%100
18	M8	Z	13.056	13.056	0	%100
19	M9	X	2.108	2.108	0	%100
20	M9	Z	3.651	3.651	0	%100
21	M17	X	3.581	3.581	0	%100
22	M17	Z	6.202	6.202	0	%100
23	M18	X	3.581	3.581	0	%100
24	M18	Z	6.202	6.202	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	0	0	0	%100
27	M20A	X	3.923	3.923	0	%100
28	M20A	Z	6.794	6.794	0	%100
29	M21	X	0	0	0	%100
30	M21	Z	0	0	0	%100
31	M22	X	3.923	3.923	0	%100
32	M22	Z	6.794	6.794	0	%100
33	M26	X	3.581	3.581	0	%100
34	M26	Z	6.202	6.202	0	%100
35	M27	X	0	0	0	%100
36	M27	Z	0	0	0	%100
37	M28	X	3.581	3.581	0	%100
38	M28	Z	6.202	6.202	0	%100
39	M54	X	1.661	1.661	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
40	M54	Z	2.877	2.877	0 %100
41	M55	X	1.424	1.424	0 %100
42	M55	Z	2.466	2.466	0 %100
43	M55A	X	1.424	1.424	0 %100
44	M55A	Z	2.466	2.466	0 %100
45	M56	X	6.645	6.645	0 %100
46	M56	Z	11.509	11.509	0 %100
47	M57	X	5.696	5.696	0 %100
48	M57	Z	9.865	9.865	0 %100
49	MP1A	X	4.774	4.774	0 %100
50	MP1A	Z	8.269	8.269	0 %100
51	MP1B	X	4.774	4.774	0 %100
52	MP1B	Z	8.269	8.269	0 %100
53	MP1C	X	4.774	4.774	0 %100
54	MP1C	Z	8.269	8.269	0 %100
55	MP2A	X	4.774	4.774	0 %100
56	MP2A	Z	8.269	8.269	0 %100
57	MP2B	X	4.774	4.774	0 %100
58	MP2B	Z	8.269	8.269	0 %100
59	MP2C	X	4.774	4.774	0 %100
60	MP2C	Z	8.269	8.269	0 %100
61	MP4A	X	4.774	4.774	0 %100
62	MP4A	Z	8.269	8.269	0 %100
63	MP4B	X	4.774	4.774	0 %100
64	MP4B	Z	8.269	8.269	0 %100
65	MP4C	X	4.774	4.774	0 %100
66	MP4C	Z	8.269	8.269	0 %100
67	SP2	X	3.681	3.681	0 %100
68	SP2	Z	6.375	6.375	0 %100
69	SP1	X	3.681	3.681	0 %100
70	SP1	Z	6.375	6.375	0 %100
71	M71	X	.597	.597	0 %100
72	M71	Z	1.035	1.035	0 %100
73	M72	X	2.787	2.787	0 %100
74	M72	Z	4.828	4.828	0 %100
75	MP3A	X	5.779	5.779	0 %100
76	MP3A	Z	10.01	10.01	0 %100
77	M73A	X	4.774	4.774	0 %100
78	M73A	Z	8.269	8.269	0 %100
79	MP3B	X	5.779	5.779	0 %100
80	MP3B	Z	10.01	10.01	0 %100
81	M73	X	4.774	4.774	0 %100
82	M73	Z	8.269	8.269	0 %100
83	MP3C	X	5.779	5.779	0 %100
84	MP3C	Z	10.01	10.01	0 %100
85	M79	X	4.774	4.774	0 %100
86	M79	Z	8.269	8.269	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	0	0	0 %100
2	ASO	Z	0	0	0 %100
3	M1	X	0	0	0 %100
4	M1	Z	5.025	5.025	0 %100
5	M2	X	0	0	0 %100
6	M2	Z	5.025	5.025	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
7	M3	X	0	0	%100
8	M3	Z	12.647	12.647	%100
9	M4	X	0	0	%100
10	M4	Z	5.025	5.025	%100
11	M5	X	0	0	%100
12	M5	Z	5.025	5.025	%100
13	M6	X	0	0	%100
14	M6	Z	0	0	%100
15	M7	X	0	0	%100
16	M7	Z	20.102	20.102	%100
17	M8	X	0	0	%100
18	M8	Z	20.102	20.102	%100
19	M9	X	0	0	%100
20	M9	Z	12.647	12.647	%100
21	M17	X	0	0	%100
22	M17	Z	9.548	9.548	%100
23	M18	X	0	0	%100
24	M18	Z	2.387	2.387	%100
25	M19	X	0	0	%100
26	M19	Z	2.387	2.387	%100
27	M20A	X	0	0	%100
28	M20A	Z	2.615	2.615	%100
29	M21	X	0	0	%100
30	M21	Z	2.615	2.615	%100
31	M22	X	0	0	%100
32	M22	Z	10.46	10.46	%100
33	M26	X	0	0	%100
34	M26	Z	2.387	2.387	%100
35	M27	X	0	0	%100
36	M27	Z	2.387	2.387	%100
37	M28	X	0	0	%100
38	M28	Z	9.548	9.548	%100
39	M54	X	0	0	%100
40	M54	Z	9.967	9.967	%100
41	M55	X	0	0	%100
42	M55	Z	0	0	%100
43	M55A	X	0	0	%100
44	M55A	Z	8.543	8.543	%100
45	M56	X	0	0	%100
46	M56	Z	9.967	9.967	%100
47	M57	X	0	0	%100
48	M57	Z	8.543	8.543	%100
49	MP1A	X	0	0	%100
50	MP1A	Z	9.548	9.548	%100
51	MP1B	X	0	0	%100
52	MP1B	Z	9.548	9.548	%100
53	MP1C	X	0	0	%100
54	MP1C	Z	9.548	9.548	%100
55	MP2A	X	0	0	%100
56	MP2A	Z	9.548	9.548	%100
57	MP2B	X	0	0	%100
58	MP2B	Z	9.548	9.548	%100
59	MP2C	X	0	0	%100
60	MP2C	Z	9.548	9.548	%100
61	MP4A	X	0	0	%100
62	MP4A	Z	9.548	9.548	%100
63	MP4B	X	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
64	MP4B	Z	9.548	9.548	0	%100
65	MP4C	X	0	0	0	%100
66	MP4C	Z	9.548	9.548	0	%100
67	SP2	X	0	0	0	%100
68	SP2	Z	7.361	7.361	0	%100
69	SP1	X	0	0	0	%100
70	SP1	Z	7.361	7.361	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	.039	.039	0	%100
73	M72	X	0	0	0	%100
74	M72	Z	2.473	2.473	0	%100
75	MP3A	X	0	0	0	%100
76	MP3A	Z	11.559	11.559	0	%100
77	M73A	X	0	0	0	%100
78	M73A	Z	9.548	9.548	0	%100
79	MP3B	X	0	0	0	%100
80	MP3B	Z	11.559	11.559	0	%100
81	M73	X	0	0	0	%100
82	M73	Z	9.548	9.548	0	%100
83	MP3C	X	0	0	0	%100
84	MP3C	Z	11.559	11.559	0	%100
85	M79	X	0	0	0	%100
86	M79	Z	9.548	9.548	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	-1.661	-1.661	0	%100
2	ASO	Z	2.877	2.877	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	-2.108	-2.108	0	%100
8	M3	Z	3.651	3.651	0	%100
9	M4	X	-7.538	-7.538	0	%100
10	M4	Z	13.056	13.056	0	%100
11	M5	X	-7.538	-7.538	0	%100
12	M5	Z	13.056	13.056	0	%100
13	M6	X	-2.108	-2.108	0	%100
14	M6	Z	3.651	3.651	0	%100
15	M7	X	-7.538	-7.538	0	%100
16	M7	Z	13.056	13.056	0	%100
17	M8	X	-7.538	-7.538	0	%100
18	M8	Z	13.056	13.056	0	%100
19	M9	X	-8.432	-8.432	0	%100
20	M9	Z	14.604	14.604	0	%100
21	M17	X	-3.581	-3.581	0	%100
22	M17	Z	6.202	6.202	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	-3.581	-3.581	0	%100
26	M19	Z	6.202	6.202	0	%100
27	M20A	X	0	0	0	%100
28	M20A	Z	0	0	0	%100
29	M21	X	-3.923	-3.923	0	%100
30	M21	Z	6.794	6.794	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
31	M22	X	-3.923	-3.923	0 %100
32	M22	Z	6.794	6.794	0 %100
33	M26	X	0	0	0 %100
34	M26	Z	0	0	0 %100
35	M27	X	-3.581	-3.581	0 %100
36	M27	Z	6.202	6.202	0 %100
37	M28	X	-3.581	-3.581	0 %100
38	M28	Z	6.202	6.202	0 %100
39	M54	X	-6.645	-6.645	0 %100
40	M54	Z	11.509	11.509	0 %100
41	M55	X	-1.424	-1.424	0 %100
42	M55	Z	2.466	2.466	0 %100
43	M55A	X	-5.696	-5.696	0 %100
44	M55A	Z	9.865	9.865	0 %100
45	M56	X	-1.661	-1.661	0 %100
46	M56	Z	2.877	2.877	0 %100
47	M57	X	-1.424	-1.424	0 %100
48	M57	Z	2.466	2.466	0 %100
49	MP1A	X	-4.774	-4.774	0 %100
50	MP1A	Z	8.269	8.269	0 %100
51	MP1B	X	-4.774	-4.774	0 %100
52	MP1B	Z	8.269	8.269	0 %100
53	MP1C	X	-4.774	-4.774	0 %100
54	MP1C	Z	8.269	8.269	0 %100
55	MP2A	X	-4.774	-4.774	0 %100
56	MP2A	Z	8.269	8.269	0 %100
57	MP2B	X	-4.774	-4.774	0 %100
58	MP2B	Z	8.269	8.269	0 %100
59	MP2C	X	-4.774	-4.774	0 %100
60	MP2C	Z	8.269	8.269	0 %100
61	MP4A	X	-4.774	-4.774	0 %100
62	MP4A	Z	8.269	8.269	0 %100
63	MP4B	X	-4.774	-4.774	0 %100
64	MP4B	Z	8.269	8.269	0 %100
65	MP4C	X	-4.774	-4.774	0 %100
66	MP4C	Z	8.269	8.269	0 %100
67	SP2	X	-3.681	-3.681	0 %100
68	SP2	Z	6.375	6.375	0 %100
69	SP1	X	-3.681	-3.681	0 %100
70	SP1	Z	6.375	6.375	0 %100
71	M71	X	-1.032	-1.032	0 %100
72	M71	Z	1.787	1.787	0 %100
73	M72	X	-.066	-.066	0 %100
74	M72	Z	.114	.114	0 %100
75	MP3A	X	-5.779	-5.779	0 %100
76	MP3A	Z	10.01	10.01	0 %100
77	M73A	X	-4.774	-4.774	0 %100
78	M73A	Z	8.269	8.269	0 %100
79	MP3B	X	-5.779	-5.779	0 %100
80	MP3B	Z	10.01	10.01	0 %100
81	M73	X	-4.774	-4.774	0 %100
82	M73	Z	8.269	8.269	0 %100
83	MP3C	X	-5.779	-5.779	0 %100
84	MP3C	Z	10.01	10.01	0 %100
85	M79	X	-4.774	-4.774	0 %100
86	M79	Z	8.269	8.269	0 %100



Company : GPD
 Designer : Karumanchi, Ujwala
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Member Distributed Loads (BLC 49 : Structure Wo (240 Deg))

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	ASO	X	-8.632	-8.632	0 %100
2	ASO	Z	4.984	4.984	0 %100
3	M1	X	-4.352	-4.352	0 %100
4	M1	Z	2.513	2.513	0 %100
5	M2	X	-4.352	-4.352	0 %100
6	M2	Z	2.513	2.513	0 %100
7	M3	X	0	0	0 %100
8	M3	Z	0	0	0 %100
9	M4	X	-17.409	-17.409	0 %100
10	M4	Z	10.051	10.051	0 %100
11	M5	X	-17.409	-17.409	0 %100
12	M5	Z	10.051	10.051	0 %100
13	M6	X	-10.953	-10.953	0 %100
14	M6	Z	6.324	6.324	0 %100
15	M7	X	-4.352	-4.352	0 %100
16	M7	Z	2.513	2.513	0 %100
17	M8	X	-4.352	-4.352	0 %100
18	M8	Z	2.513	2.513	0 %100
19	M9	X	-10.953	-10.953	0 %100
20	M9	Z	6.324	6.324	0 %100
21	M17	X	-2.067	-2.067	0 %100
22	M17	Z	1.194	1.194	0 %100
23	M18	X	-2.067	-2.067	0 %100
24	M18	Z	1.194	1.194	0 %100
25	M19	X	-8.269	-8.269	0 %100
26	M19	Z	4.774	4.774	0 %100
27	M20A	X	-2.265	-2.265	0 %100
28	M20A	Z	1.308	1.308	0 %100
29	M21	X	-9.059	-9.059	0 %100
30	M21	Z	5.23	5.23	0 %100
31	M22	X	-2.265	-2.265	0 %100
32	M22	Z	1.308	1.308	0 %100
33	M26	X	-2.067	-2.067	0 %100
34	M26	Z	1.194	1.194	0 %100
35	M27	X	-8.269	-8.269	0 %100
36	M27	Z	4.774	4.774	0 %100
37	M28	X	-2.067	-2.067	0 %100
38	M28	Z	1.194	1.194	0 %100
39	M54	X	-8.632	-8.632	0 %100
40	M54	Z	4.984	4.984	0 %100
41	M55	X	-7.399	-7.399	0 %100
42	M55	Z	4.272	4.272	0 %100
43	M55A	X	-7.399	-7.399	0 %100
44	M55A	Z	4.272	4.272	0 %100
45	M56	X	0	0	0 %100
46	M56	Z	0	0	0 %100
47	M57	X	0	0	0 %100
48	M57	Z	0	0	0 %100
49	MP1A	X	-8.269	-8.269	0 %100
50	MP1A	Z	4.774	4.774	0 %100
51	MP1B	X	-8.269	-8.269	0 %100
52	MP1B	Z	4.774	4.774	0 %100
53	MP1C	X	-8.269	-8.269	0 %100
54	MP1C	Z	4.774	4.774	0 %100
55	MP2A	X	-8.269	-8.269	0 %100
56	MP2A	Z	4.774	4.774	0 %100
57	MP2B	X	-8.269	-8.269	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
58	MP2B	Z	4.774	4.774	0	%100
59	MP2C	X	-8.269	-8.269	0	%100
60	MP2C	Z	4.774	4.774	0	%100
61	MP4A	X	-8.269	-8.269	0	%100
62	MP4A	Z	4.774	4.774	0	%100
63	MP4B	X	-8.269	-8.269	0	%100
64	MP4B	Z	4.774	4.774	0	%100
65	MP4C	X	-8.269	-8.269	0	%100
66	MP4C	Z	4.774	4.774	0	%100
67	SP2	X	-6.375	-6.375	0	%100
68	SP2	Z	3.681	3.681	0	%100
69	SP1	X	-6.375	-6.375	0	%100
70	SP1	Z	3.681	3.681	0	%100
71	M71	X	-4.54	-4.54	0	%100
72	M71	Z	2.621	2.621	0	%100
73	M72	X	-.773	-.773	0	%100
74	M72	Z	.446	.446	0	%100
75	MP3A	X	-10.01	-10.01	0	%100
76	MP3A	Z	5.779	5.779	0	%100
77	M73A	X	-8.269	-8.269	0	%100
78	M73A	Z	4.774	4.774	0	%100
79	MP3B	X	-10.01	-10.01	0	%100
80	MP3B	Z	5.779	5.779	0	%100
81	M73	X	-8.269	-8.269	0	%100
82	M73	Z	4.774	4.774	0	%100
83	MP3C	X	-10.01	-10.01	0	%100
84	MP3C	Z	5.779	5.779	0	%100
85	M79	X	-8.269	-8.269	0	%100
86	M79	Z	4.774	4.774	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	ASO	X	-13.29	-13.29	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	-15.076	-15.076	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	-15.076	-15.076	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	-4.216	-4.216	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	-15.076	-15.076	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	-15.076	-15.076	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	-16.863	-16.863	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	0	0	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	0	0	0	%100
19	M9	X	-4.216	-4.216	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	-7.161	-7.161	0	%100
24	M18	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
25	M19	X	-7.161	-7.161	0 %100
26	M19	Z	0	0	0 %100
27	M20A	X	-7.845	-7.845	0 %100
28	M20A	Z	0	0	0 %100
29	M21	X	-7.845	-7.845	0 %100
30	M21	Z	0	0	0 %100
31	M22	X	0	0	0 %100
32	M22	Z	0	0	0 %100
33	M26	X	-7.161	-7.161	0 %100
34	M26	Z	0	0	0 %100
35	M27	X	-7.161	-7.161	0 %100
36	M27	Z	0	0	0 %100
37	M28	X	0	0	0 %100
38	M28	Z	0	0	0 %100
39	M54	X	-3.322	-3.322	0 %100
40	M54	Z	0	0	0 %100
41	M55	X	-11.391	-11.391	0 %100
42	M55	Z	0	0	0 %100
43	M55A	X	-2.848	-2.848	0 %100
44	M55A	Z	0	0	0 %100
45	M56	X	-3.322	-3.322	0 %100
46	M56	Z	0	0	0 %100
47	M57	X	-2.848	-2.848	0 %100
48	M57	Z	0	0	0 %100
49	MP1A	X	-9.548	-9.548	0 %100
50	MP1A	Z	0	0	0 %100
51	MP1B	X	-9.548	-9.548	0 %100
52	MP1B	Z	0	0	0 %100
53	MP1C	X	-9.548	-9.548	0 %100
54	MP1C	Z	0	0	0 %100
55	MP2A	X	-9.548	-9.548	0 %100
56	MP2A	Z	0	0	0 %100
57	MP2B	X	-9.548	-9.548	0 %100
58	MP2B	Z	0	0	0 %100
59	MP2C	X	-9.548	-9.548	0 %100
60	MP2C	Z	0	0	0 %100
61	MP4A	X	-9.548	-9.548	0 %100
62	MP4A	Z	0	0	0 %100
63	MP4B	X	-9.548	-9.548	0 %100
64	MP4B	Z	0	0	0 %100
65	MP4C	X	-9.548	-9.548	0 %100
66	MP4C	Z	0	0	0 %100
67	SP2	X	-7.361	-7.361	0 %100
68	SP2	Z	0	0	0 %100
69	SP1	X	-7.361	-7.361	0 %100
70	SP1	Z	0	0	0 %100
71	M71	X	-6.398	-6.398	0 %100
72	M71	Z	0	0	0 %100
73	M72	X	-3.994	-3.994	0 %100
74	M72	Z	0	0	0 %100
75	MP3A	X	-11.559	-11.559	0 %100
76	MP3A	Z	0	0	0 %100
77	M73A	X	-9.548	-9.548	0 %100
78	M73A	Z	0	0	0 %100
79	MP3B	X	-11.559	-11.559	0 %100
80	MP3B	Z	0	0	0 %100
81	M73	X	-9.548	-9.548	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft, %]	End Location[ft, %]
82	M73	Z	0	0	0	%100
83	MP3C	X	-11.559	-11.559	0	%100
84	MP3C	Z	0	0	0	%100
85	M79	X	-9.548	-9.548	0	%100
86	M79	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,...]	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	-8.632	-8.632	0	%100
2	ASO	Z	-4.984	-4.984	0	%100
3	M1	X	-17.409	-17.409	0	%100
4	M1	Z	-10.051	-10.051	0	%100
5	M2	X	-17.409	-17.409	0	%100
6	M2	Z	-10.051	-10.051	0	%100
7	M3	X	-10.953	-10.953	0	%100
8	M3	Z	-6.324	-6.324	0	%100
9	M4	X	-4.352	-4.352	0	%100
10	M4	Z	-2.513	-2.513	0	%100
11	M5	X	-4.352	-4.352	0	%100
12	M5	Z	-2.513	-2.513	0	%100
13	M6	X	-10.953	-10.953	0	%100
14	M6	Z	-6.324	-6.324	0	%100
15	M7	X	-4.352	-4.352	0	%100
16	M7	Z	-2.513	-2.513	0	%100
17	M8	X	-4.352	-4.352	0	%100
18	M8	Z	-2.513	-2.513	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	-2.067	-2.067	0	%100
22	M17	Z	-1.194	-1.194	0	%100
23	M18	X	-8.269	-8.269	0	%100
24	M18	Z	-4.774	-4.774	0	%100
25	M19	X	-2.067	-2.067	0	%100
26	M19	Z	-1.194	-1.194	0	%100
27	M20A	X	-9.059	-9.059	0	%100
28	M20A	Z	-5.23	-5.23	0	%100
29	M21	X	-2.265	-2.265	0	%100
30	M21	Z	-1.308	-1.308	0	%100
31	M22	X	-2.265	-2.265	0	%100
32	M22	Z	-1.308	-1.308	0	%100
33	M26	X	-8.269	-8.269	0	%100
34	M26	Z	-4.774	-4.774	0	%100
35	M27	X	-2.067	-2.067	0	%100
36	M27	Z	-1.194	-1.194	0	%100
37	M28	X	-2.067	-2.067	0	%100
38	M28	Z	-1.194	-1.194	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-7.399	-7.399	0	%100
42	M55	Z	-4.272	-4.272	0	%100
43	M55A	X	0	0	0	%100
44	M55A	Z	0	0	0	%100
45	M56	X	-8.632	-8.632	0	%100
46	M56	Z	-4.984	-4.984	0	%100
47	M57	X	-7.399	-7.399	0	%100
48	M57	Z	-4.272	-4.272	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
49	MP1A	X	-8.269	-8.269	0	%100
50	MP1A	Z	-4.774	-4.774	0	%100
51	MP1B	X	-8.269	-8.269	0	%100
52	MP1B	Z	-4.774	-4.774	0	%100
53	MP1C	X	-8.269	-8.269	0	%100
54	MP1C	Z	-4.774	-4.774	0	%100
55	MP2A	X	-8.269	-8.269	0	%100
56	MP2A	Z	-4.774	-4.774	0	%100
57	MP2B	X	-8.269	-8.269	0	%100
58	MP2B	Z	-4.774	-4.774	0	%100
59	MP2C	X	-8.269	-8.269	0	%100
60	MP2C	Z	-4.774	-4.774	0	%100
61	MP4A	X	-8.269	-8.269	0	%100
62	MP4A	Z	-4.774	-4.774	0	%100
63	MP4B	X	-8.269	-8.269	0	%100
64	MP4B	Z	-4.774	-4.774	0	%100
65	MP4C	X	-8.269	-8.269	0	%100
66	MP4C	Z	-4.774	-4.774	0	%100
67	SP2	X	-6.375	-6.375	0	%100
68	SP2	Z	-3.681	-3.681	0	%100
69	SP1	X	-6.375	-6.375	0	%100
70	SP1	Z	-3.681	-3.681	0	%100
71	M71	X	-3.788	-3.788	0	%100
72	M71	Z	-2.187	-2.187	0	%100
73	M72	X	-5.486	-5.486	0	%100
74	M72	Z	-3.168	-3.168	0	%100
75	MP3A	X	-10.01	-10.01	0	%100
76	MP3A	Z	-5.779	-5.779	0	%100
77	M73A	X	-8.269	-8.269	0	%100
78	M73A	Z	-4.774	-4.774	0	%100
79	MP3B	X	-10.01	-10.01	0	%100
80	MP3B	Z	-5.779	-5.779	0	%100
81	M73	X	-8.269	-8.269	0	%100
82	M73	Z	-4.774	-4.774	0	%100
83	MP3C	X	-10.01	-10.01	0	%100
84	MP3C	Z	-5.779	-5.779	0	%100
85	M79	X	-8.269	-8.269	0	%100
86	M79	Z	-4.774	-4.774	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	-1.661	-1.661	0	%100
2	ASO	Z	-2.877	-2.877	0	%100
3	M1	X	-7.538	-7.538	0	%100
4	M1	Z	-13.056	-13.056	0	%100
5	M2	X	-7.538	-7.538	0	%100
6	M2	Z	-13.056	-13.056	0	%100
7	M3	X	-8.432	-8.432	0	%100
8	M3	Z	-14.604	-14.604	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	-2.108	-2.108	0	%100
14	M6	Z	-3.651	-3.651	0	%100
15	M7	X	-7.538	-7.538	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
16	M7	Z	-13.056	-13.056	0 %100
17	M8	X	-7.538	-7.538	0 %100
18	M8	Z	-13.056	-13.056	0 %100
19	M9	X	-2.108	-2.108	0 %100
20	M9	Z	-3.651	-3.651	0 %100
21	M17	X	-3.581	-3.581	0 %100
22	M17	Z	-6.202	-6.202	0 %100
23	M18	X	-3.581	-3.581	0 %100
24	M18	Z	-6.202	-6.202	0 %100
25	M19	X	0	0	0 %100
26	M19	Z	0	0	0 %100
27	M20A	X	-3.923	-3.923	0 %100
28	M20A	Z	-6.794	-6.794	0 %100
29	M21	X	0	0	0 %100
30	M21	Z	0	0	0 %100
31	M22	X	-3.923	-3.923	0 %100
32	M22	Z	-6.794	-6.794	0 %100
33	M26	X	-3.581	-3.581	0 %100
34	M26	Z	-6.202	-6.202	0 %100
35	M27	X	0	0	0 %100
36	M27	Z	0	0	0 %100
37	M28	X	-3.581	-3.581	0 %100
38	M28	Z	-6.202	-6.202	0 %100
39	M54	X	-1.661	-1.661	0 %100
40	M54	Z	-2.877	-2.877	0 %100
41	M55	X	-1.424	-1.424	0 %100
42	M55	Z	-2.466	-2.466	0 %100
43	M55A	X	-1.424	-1.424	0 %100
44	M55A	Z	-2.466	-2.466	0 %100
45	M56	X	-6.645	-6.645	0 %100
46	M56	Z	-11.509	-11.509	0 %100
47	M57	X	-5.696	-5.696	0 %100
48	M57	Z	-9.865	-9.865	0 %100
49	MP1A	X	-4.774	-4.774	0 %100
50	MP1A	Z	-8.269	-8.269	0 %100
51	MP1B	X	-4.774	-4.774	0 %100
52	MP1B	Z	-8.269	-8.269	0 %100
53	MP1C	X	-4.774	-4.774	0 %100
54	MP1C	Z	-8.269	-8.269	0 %100
55	MP2A	X	-4.774	-4.774	0 %100
56	MP2A	Z	-8.269	-8.269	0 %100
57	MP2B	X	-4.774	-4.774	0 %100
58	MP2B	Z	-8.269	-8.269	0 %100
59	MP2C	X	-4.774	-4.774	0 %100
60	MP2C	Z	-8.269	-8.269	0 %100
61	MP4A	X	-4.774	-4.774	0 %100
62	MP4A	Z	-8.269	-8.269	0 %100
63	MP4B	X	-4.774	-4.774	0 %100
64	MP4B	Z	-8.269	-8.269	0 %100
65	MP4C	X	-4.774	-4.774	0 %100
66	MP4C	Z	-8.269	-8.269	0 %100
67	SP2	X	-3.681	-3.681	0 %100
68	SP2	Z	-6.375	-6.375	0 %100
69	SP1	X	-3.681	-3.681	0 %100
70	SP1	Z	-6.375	-6.375	0 %100
71	M71	X	-.597	-.597	0 %100
72	M71	Z	-1.035	-1.035	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
73	M72	X	-2.787	-2.787	0	%100
74	M72	Z	-4.828	-4.828	0	%100
75	MP3A	X	-5.779	-5.779	0	%100
76	MP3A	Z	-10.01	-10.01	0	%100
77	M73A	X	-4.774	-4.774	0	%100
78	M73A	Z	-8.269	-8.269	0	%100
79	MP3B	X	-5.779	-5.779	0	%100
80	MP3B	Z	-10.01	-10.01	0	%100
81	M73	X	-4.774	-4.774	0	%100
82	M73	Z	-8.269	-8.269	0	%100
83	MP3C	X	-5.779	-5.779	0	%100
84	MP3C	Z	-10.01	-10.01	0	%100
85	M79	X	-4.774	-4.774	0	%100
86	M79	Z	-8.269	-8.269	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	ASO	X	0	0	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	-1.339	-1.339	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	-1.339	-1.339	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	-3.458	-3.458	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	-1.339	-1.339	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	-1.339	-1.339	0	%100
13	M6	X	0	0	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	-5.358	-5.358	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	-5.358	-5.358	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	-3.458	-3.458	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	-3.431	-3.431	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-.858	-.858	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	-.858	-.858	0	%100
27	M20A	X	0	0	0	%100
28	M20A	Z	-.735	-.735	0	%100
29	M21	X	0	0	0	%100
30	M21	Z	-.735	-.735	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	-2.939	-2.939	0	%100
33	M26	X	0	0	0	%100
34	M26	Z	-.858	-.858	0	%100
35	M27	X	0	0	0	%100
36	M27	Z	-.858	-.858	0	%100
37	M28	X	0	0	0	%100
38	M28	Z	-3.431	-3.431	0	%100
39	M54	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,...	Start Location[ft, %]	End Location[ft, %]
40	M54	Z	-2.744	-2.744	0 %100
41	M55	X	0	0	0 %100
42	M55	Z	0	0	0 %100
43	M55A	X	0	0	0 %100
44	M55A	Z	-2.342	-2.342	0 %100
45	M56	X	0	0	0 %100
46	M56	Z	-2.744	-2.744	0 %100
47	M57	X	0	0	0 %100
48	M57	Z	-2.342	-2.342	0 %100
49	MP1A	X	0	0	0 %100
50	MP1A	Z	-3.431	-3.431	0 %100
51	MP1B	X	0	0	0 %100
52	MP1B	Z	-3.431	-3.431	0 %100
53	MP1C	X	0	0	0 %100
54	MP1C	Z	-3.431	-3.431	0 %100
55	MP2A	X	0	0	0 %100
56	MP2A	Z	-3.431	-3.431	0 %100
57	MP2B	X	0	0	0 %100
58	MP2B	Z	-3.431	-3.431	0 %100
59	MP2C	X	0	0	0 %100
60	MP2C	Z	-3.431	-3.431	0 %100
61	MP4A	X	0	0	0 %100
62	MP4A	Z	-3.431	-3.431	0 %100
63	MP4B	X	0	0	0 %100
64	MP4B	Z	-3.431	-3.431	0 %100
65	MP4C	X	0	0	0 %100
66	MP4C	Z	-3.431	-3.431	0 %100
67	SP2	X	0	0	0 %100
68	SP2	Z	-2.658	-2.658	0 %100
69	SP1	X	0	0	0 %100
70	SP1	Z	-2.658	-2.658	0 %100
71	M71	X	0	0	0 %100
72	M71	Z	-.014	-.014	0 %100
73	M72	X	0	0	0 %100
74	M72	Z	-.891	-.891	0 %100
75	MP3A	X	0	0	0 %100
76	MP3A	Z	-3.798	-3.798	0 %100
77	M73A	X	0	0	0 %100
78	M73A	Z	-3.431	-3.431	0 %100
79	MP3B	X	0	0	0 %100
80	MP3B	Z	-3.798	-3.798	0 %100
81	M73	X	0	0	0 %100
82	M73	Z	-3.431	-3.431	0 %100
83	MP3C	X	0	0	0 %100
84	MP3C	Z	-3.798	-3.798	0 %100
85	M79	X	0	0	0 %100
86	M79	Z	-3.431	-3.431	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	.457	.457	0 %100
2	ASO	Z	-.792	-.792	0 %100
3	M1	X	0	0	0 %100
4	M1	Z	0	0	0 %100
5	M2	X	0	0	0 %100
6	M2	Z	0	0	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
7	M3	X	.576	.576	0 %100
8	M3	Z	-.998	-.998	0 %100
9	M4	X	2.009	2.009	0 %100
10	M4	Z	-3.48	-3.48	0 %100
11	M5	X	2.009	2.009	0 %100
12	M5	Z	-3.48	-3.48	0 %100
13	M6	X	.576	.576	0 %100
14	M6	Z	-.998	-.998	0 %100
15	M7	X	2.009	2.009	0 %100
16	M7	Z	-3.48	-3.48	0 %100
17	M8	X	2.009	2.009	0 %100
18	M8	Z	-3.48	-3.48	0 %100
19	M9	X	2.306	2.306	0 %100
20	M9	Z	-3.993	-3.993	0 %100
21	M17	X	1.286	1.286	0 %100
22	M17	Z	-2.228	-2.228	0 %100
23	M18	X	0	0	0 %100
24	M18	Z	0	0	0 %100
25	M19	X	1.286	1.286	0 %100
26	M19	Z	-2.228	-2.228	0 %100
27	M20A	X	0	0	0 %100
28	M20A	Z	0	0	0 %100
29	M21	X	1.102	1.102	0 %100
30	M21	Z	-1.909	-1.909	0 %100
31	M22	X	1.102	1.102	0 %100
32	M22	Z	-1.909	-1.909	0 %100
33	M26	X	0	0	0 %100
34	M26	Z	0	0	0 %100
35	M27	X	1.286	1.286	0 %100
36	M27	Z	-2.228	-2.228	0 %100
37	M28	X	1.286	1.286	0 %100
38	M28	Z	-2.228	-2.228	0 %100
39	M54	X	1.83	1.83	0 %100
40	M54	Z	-3.169	-3.169	0 %100
41	M55	X	.39	.39	0 %100
42	M55	Z	-.676	-.676	0 %100
43	M55A	X	1.561	1.561	0 %100
44	M55A	Z	-2.704	-2.704	0 %100
45	M56	X	.457	.457	0 %100
46	M56	Z	-.792	-.792	0 %100
47	M57	X	.39	.39	0 %100
48	M57	Z	-.676	-.676	0 %100
49	MP1A	X	1.715	1.715	0 %100
50	MP1A	Z	-2.971	-2.971	0 %100
51	MP1B	X	1.715	1.715	0 %100
52	MP1B	Z	-2.971	-2.971	0 %100
53	MP1C	X	1.715	1.715	0 %100
54	MP1C	Z	-2.971	-2.971	0 %100
55	MP2A	X	1.715	1.715	0 %100
56	MP2A	Z	-2.971	-2.971	0 %100
57	MP2B	X	1.715	1.715	0 %100
58	MP2B	Z	-2.971	-2.971	0 %100
59	MP2C	X	1.715	1.715	0 %100
60	MP2C	Z	-2.971	-2.971	0 %100
61	MP4A	X	1.715	1.715	0 %100
62	MP4A	Z	-2.971	-2.971	0 %100
63	MP4B	X	1.715	1.715	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
64	MP4B	Z	-2.971	-2.971	0	%100
65	MP4C	X	1.715	1.715	0	%100
66	MP4C	Z	-2.971	-2.971	0	%100
67	SP2	X	1.329	1.329	0	%100
68	SP2	Z	-2.302	-2.302	0	%100
69	SP1	X	1.329	1.329	0	%100
70	SP1	Z	-2.302	-2.302	0	%100
71	M71	X	.372	.372	0	%100
72	M71	Z	-.644	-.644	0	%100
73	M72	X	.024	.024	0	%100
74	M72	Z	-.041	-.041	0	%100
75	MP3A	X	1.899	1.899	0	%100
76	MP3A	Z	-3.289	-3.289	0	%100
77	M73A	X	1.715	1.715	0	%100
78	M73A	Z	-2.971	-2.971	0	%100
79	MP3B	X	1.899	1.899	0	%100
80	MP3B	Z	-3.289	-3.289	0	%100
81	M73	X	1.715	1.715	0	%100
82	M73	Z	-2.971	-2.971	0	%100
83	MP3C	X	1.899	1.899	0	%100
84	MP3C	Z	-3.289	-3.289	0	%100
85	M79	X	1.715	1.715	0	%100
86	M79	Z	-2.971	-2.971	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	2.377	2.377	0	%100
2	ASO	Z	-1.372	-1.372	0	%100
3	M1	X	1.16	1.16	0	%100
4	M1	Z	-.67	-.67	0	%100
5	M2	X	1.16	1.16	0	%100
6	M2	Z	-.67	-.67	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	4.64	4.64	0	%100
10	M4	Z	-2.679	-2.679	0	%100
11	M5	X	4.64	4.64	0	%100
12	M5	Z	-2.679	-2.679	0	%100
13	M6	X	2.995	2.995	0	%100
14	M6	Z	-1.729	-1.729	0	%100
15	M7	X	1.16	1.16	0	%100
16	M7	Z	-.67	-.67	0	%100
17	M8	X	1.16	1.16	0	%100
18	M8	Z	-.67	-.67	0	%100
19	M9	X	2.995	2.995	0	%100
20	M9	Z	-1.729	-1.729	0	%100
21	M17	X	.743	.743	0	%100
22	M17	Z	-.429	-.429	0	%100
23	M18	X	.743	.743	0	%100
24	M18	Z	-.429	-.429	0	%100
25	M19	X	2.971	2.971	0	%100
26	M19	Z	-1.715	-1.715	0	%100
27	M20A	X	.636	.636	0	%100
28	M20A	Z	-.367	-.367	0	%100
29	M21	X	2.545	2.545	0	%100
30	M21	Z	-1.469	-1.469	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
31	M22	X	.636	.636	0 %100
32	M22	Z	-.367	-.367	0 %100
33	M26	X	.743	.743	0 %100
34	M26	Z	-.429	-.429	0 %100
35	M27	X	2.971	2.971	0 %100
36	M27	Z	-1.715	-1.715	0 %100
37	M28	X	.743	.743	0 %100
38	M28	Z	-.429	-.429	0 %100
39	M54	X	2.377	2.377	0 %100
40	M54	Z	-1.372	-1.372	0 %100
41	M55	X	2.028	2.028	0 %100
42	M55	Z	-1.171	-1.171	0 %100
43	M55A	X	2.028	2.028	0 %100
44	M55A	Z	-1.171	-1.171	0 %100
45	M56	X	0	0	0 %100
46	M56	Z	0	0	0 %100
47	M57	X	0	0	0 %100
48	M57	Z	0	0	0 %100
49	MP1A	X	2.971	2.971	0 %100
50	MP1A	Z	-1.715	-1.715	0 %100
51	MP1B	X	2.971	2.971	0 %100
52	MP1B	Z	-1.715	-1.715	0 %100
53	MP1C	X	2.971	2.971	0 %100
54	MP1C	Z	-1.715	-1.715	0 %100
55	MP2A	X	2.971	2.971	0 %100
56	MP2A	Z	-1.715	-1.715	0 %100
57	MP2B	X	2.971	2.971	0 %100
58	MP2B	Z	-1.715	-1.715	0 %100
59	MP2C	X	2.971	2.971	0 %100
60	MP2C	Z	-1.715	-1.715	0 %100
61	MP4A	X	2.971	2.971	0 %100
62	MP4A	Z	-1.715	-1.715	0 %100
63	MP4B	X	2.971	2.971	0 %100
64	MP4B	Z	-1.715	-1.715	0 %100
65	MP4C	X	2.971	2.971	0 %100
66	MP4C	Z	-1.715	-1.715	0 %100
67	SP2	X	2.302	2.302	0 %100
68	SP2	Z	-1.329	-1.329	0 %100
69	SP1	X	2.302	2.302	0 %100
70	SP1	Z	-1.329	-1.329	0 %100
71	M71	X	1.637	1.637	0 %100
72	M71	Z	-.945	-.945	0 %100
73	M72	X	.279	.279	0 %100
74	M72	Z	-.161	-.161	0 %100
75	MP3A	X	3.289	3.289	0 %100
76	MP3A	Z	-1.899	-1.899	0 %100
77	M73A	X	2.971	2.971	0 %100
78	M73A	Z	-1.715	-1.715	0 %100
79	MP3B	X	3.289	3.289	0 %100
80	MP3B	Z	-1.899	-1.899	0 %100
81	M73	X	2.971	2.971	0 %100
82	M73	Z	-1.715	-1.715	0 %100
83	MP3C	X	3.289	3.289	0 %100
84	MP3C	Z	-1.899	-1.899	0 %100
85	M79	X	2.971	2.971	0 %100
86	M79	Z	-1.715	-1.715	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	3.659	3.659	0 %100
2	ASO	Z	0	0	0 %100
3	M1	X	4.018	4.018	0 %100
4	M1	Z	0	0	0 %100
5	M2	X	4.018	4.018	0 %100
6	M2	Z	0	0	0 %100
7	M3	X	1.153	1.153	0 %100
8	M3	Z	0	0	0 %100
9	M4	X	4.018	4.018	0 %100
10	M4	Z	0	0	0 %100
11	M5	X	4.018	4.018	0 %100
12	M5	Z	0	0	0 %100
13	M6	X	4.611	4.611	0 %100
14	M6	Z	0	0	0 %100
15	M7	X	0	0	0 %100
16	M7	Z	0	0	0 %100
17	M8	X	0	0	0 %100
18	M8	Z	0	0	0 %100
19	M9	X	1.153	1.153	0 %100
20	M9	Z	0	0	0 %100
21	M17	X	0	0	0 %100
22	M17	Z	0	0	0 %100
23	M18	X	2.573	2.573	0 %100
24	M18	Z	0	0	0 %100
25	M19	X	2.573	2.573	0 %100
26	M19	Z	0	0	0 %100
27	M20A	X	2.204	2.204	0 %100
28	M20A	Z	0	0	0 %100
29	M21	X	2.204	2.204	0 %100
30	M21	Z	0	0	0 %100
31	M22	X	0	0	0 %100
32	M22	Z	0	0	0 %100
33	M26	X	2.573	2.573	0 %100
34	M26	Z	0	0	0 %100
35	M27	X	2.573	2.573	0 %100
36	M27	Z	0	0	0 %100
37	M28	X	0	0	0 %100
38	M28	Z	0	0	0 %100
39	M54	X	.915	.915	0 %100
40	M54	Z	0	0	0 %100
41	M55	X	3.122	3.122	0 %100
42	M55	Z	0	0	0 %100
43	M55A	X	.781	.781	0 %100
44	M55A	Z	0	0	0 %100
45	M56	X	.915	.915	0 %100
46	M56	Z	0	0	0 %100
47	M57	X	.781	.781	0 %100
48	M57	Z	0	0	0 %100
49	MP1A	X	3.431	3.431	0 %100
50	MP1A	Z	0	0	0 %100
51	MP1B	X	3.431	3.431	0 %100
52	MP1B	Z	0	0	0 %100
53	MP1C	X	3.431	3.431	0 %100
54	MP1C	Z	0	0	0 %100
55	MP2A	X	3.431	3.431	0 %100
56	MP2A	Z	0	0	0 %100
57	MP2B	X	3.431	3.431	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
58	MP2B	Z	0	0	0	%100
59	MP2C	X	3.431	3.431	0	%100
60	MP2C	Z	0	0	0	%100
61	MP4A	X	3.431	3.431	0	%100
62	MP4A	Z	0	0	0	%100
63	MP4B	X	3.431	3.431	0	%100
64	MP4B	Z	0	0	0	%100
65	MP4C	X	3.431	3.431	0	%100
66	MP4C	Z	0	0	0	%100
67	SP2	X	2.658	2.658	0	%100
68	SP2	Z	0	0	0	%100
69	SP1	X	2.658	2.658	0	%100
70	SP1	Z	0	0	0	%100
71	M71	X	2.307	2.307	0	%100
72	M71	Z	0	0	0	%100
73	M72	X	1.44	1.44	0	%100
74	M72	Z	0	0	0	%100
75	MP3A	X	3.798	3.798	0	%100
76	MP3A	Z	0	0	0	%100
77	M73A	X	3.431	3.431	0	%100
78	M73A	Z	0	0	0	%100
79	MP3B	X	3.798	3.798	0	%100
80	MP3B	Z	0	0	0	%100
81	M73	X	3.431	3.431	0	%100
82	M73	Z	0	0	0	%100
83	MP3C	X	3.798	3.798	0	%100
84	MP3C	Z	0	0	0	%100
85	M79	X	3.431	3.431	0	%100
86	M79	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....	Start Location[ft.%,]	End Location[ft.%,]
1	ASO	X	2.377	2.377	0	%100
2	ASO	Z	1.372	1.372	0	%100
3	M1	X	4.64	4.64	0	%100
4	M1	Z	2.679	2.679	0	%100
5	M2	X	4.64	4.64	0	%100
6	M2	Z	2.679	2.679	0	%100
7	M3	X	2.995	2.995	0	%100
8	M3	Z	1.729	1.729	0	%100
9	M4	X	1.16	1.16	0	%100
10	M4	Z	.67	.67	0	%100
11	M5	X	1.16	1.16	0	%100
12	M5	Z	.67	.67	0	%100
13	M6	X	2.995	2.995	0	%100
14	M6	Z	1.729	1.729	0	%100
15	M7	X	1.16	1.16	0	%100
16	M7	Z	.67	.67	0	%100
17	M8	X	1.16	1.16	0	%100
18	M8	Z	.67	.67	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	.743	.743	0	%100
22	M17	Z	.429	.429	0	%100
23	M18	X	2.971	2.971	0	%100
24	M18	Z	1.715	1.715	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
25	M19	X	.743	.743	0 %100
26	M19	Z	.429	.429	0 %100
27	M20A	X	2.545	2.545	0 %100
28	M20A	Z	1.469	1.469	0 %100
29	M21	X	.636	.636	0 %100
30	M21	Z	.367	.367	0 %100
31	M22	X	.636	.636	0 %100
32	M22	Z	.367	.367	0 %100
33	M26	X	2.971	2.971	0 %100
34	M26	Z	1.715	1.715	0 %100
35	M27	X	.743	.743	0 %100
36	M27	Z	.429	.429	0 %100
37	M28	X	.743	.743	0 %100
38	M28	Z	.429	.429	0 %100
39	M54	X	0	0	0 %100
40	M54	Z	0	0	0 %100
41	M55	X	2.028	2.028	0 %100
42	M55	Z	1.171	1.171	0 %100
43	M55A	X	0	0	0 %100
44	M55A	Z	0	0	0 %100
45	M56	X	2.377	2.377	0 %100
46	M56	Z	1.372	1.372	0 %100
47	M57	X	2.028	2.028	0 %100
48	M57	Z	1.171	1.171	0 %100
49	MP1A	X	2.971	2.971	0 %100
50	MP1A	Z	1.715	1.715	0 %100
51	MP1B	X	2.971	2.971	0 %100
52	MP1B	Z	1.715	1.715	0 %100
53	MP1C	X	2.971	2.971	0 %100
54	MP1C	Z	1.715	1.715	0 %100
55	MP2A	X	2.971	2.971	0 %100
56	MP2A	Z	1.715	1.715	0 %100
57	MP2B	X	2.971	2.971	0 %100
58	MP2B	Z	1.715	1.715	0 %100
59	MP2C	X	2.971	2.971	0 %100
60	MP2C	Z	1.715	1.715	0 %100
61	MP4A	X	2.971	2.971	0 %100
62	MP4A	Z	1.715	1.715	0 %100
63	MP4B	X	2.971	2.971	0 %100
64	MP4B	Z	1.715	1.715	0 %100
65	MP4C	X	2.971	2.971	0 %100
66	MP4C	Z	1.715	1.715	0 %100
67	SP2	X	2.302	2.302	0 %100
68	SP2	Z	1.329	1.329	0 %100
69	SP1	X	2.302	2.302	0 %100
70	SP1	Z	1.329	1.329	0 %100
71	M71	X	1.366	1.366	0 %100
72	M71	Z	.788	.788	0 %100
73	M72	X	1.978	1.978	0 %100
74	M72	Z	1.142	1.142	0 %100
75	MP3A	X	3.289	3.289	0 %100
76	MP3A	Z	1.899	1.899	0 %100
77	M73A	X	2.971	2.971	0 %100
78	M73A	Z	1.715	1.715	0 %100
79	MP3B	X	3.289	3.289	0 %100
80	MP3B	Z	1.899	1.899	0 %100
81	M73	X	2.971	2.971	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
82	M73	Z	1.715	1.715	0	%100
83	MP3C	X	3.289	3.289	0	%100
84	MP3C	Z	1.899	1.899	0	%100
85	M79	X	2.971	2.971	0	%100
86	M79	Z	1.715	1.715	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,...]	Start Location[ft,%]	End Location[ft,%]
1	ASO	X	.457	.457	0	%100
2	ASO	Z	.792	.792	0	%100
3	M1	X	2.009	2.009	0	%100
4	M1	Z	3.48	3.48	0	%100
5	M2	X	2.009	2.009	0	%100
6	M2	Z	3.48	3.48	0	%100
7	M3	X	2.306	2.306	0	%100
8	M3	Z	3.993	3.993	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	.576	.576	0	%100
14	M6	Z	.998	.998	0	%100
15	M7	X	2.009	2.009	0	%100
16	M7	Z	3.48	3.48	0	%100
17	M8	X	2.009	2.009	0	%100
18	M8	Z	3.48	3.48	0	%100
19	M9	X	.576	.576	0	%100
20	M9	Z	.998	.998	0	%100
21	M17	X	1.286	1.286	0	%100
22	M17	Z	2.228	2.228	0	%100
23	M18	X	1.286	1.286	0	%100
24	M18	Z	2.228	2.228	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	0	0	0	%100
27	M20A	X	1.102	1.102	0	%100
28	M20A	Z	1.909	1.909	0	%100
29	M21	X	0	0	0	%100
30	M21	Z	0	0	0	%100
31	M22	X	1.102	1.102	0	%100
32	M22	Z	1.909	1.909	0	%100
33	M26	X	1.286	1.286	0	%100
34	M26	Z	2.228	2.228	0	%100
35	M27	X	0	0	0	%100
36	M27	Z	0	0	0	%100
37	M28	X	1.286	1.286	0	%100
38	M28	Z	2.228	2.228	0	%100
39	M54	X	.457	.457	0	%100
40	M54	Z	.792	.792	0	%100
41	M55	X	.39	.39	0	%100
42	M55	Z	.676	.676	0	%100
43	M55A	X	.39	.39	0	%100
44	M55A	Z	.676	.676	0	%100
45	M56	X	1.83	1.83	0	%100
46	M56	Z	3.169	3.169	0	%100
47	M57	X	1.561	1.561	0	%100
48	M57	Z	2.704	2.704	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
49	MP1A	X	1.715	1.715	0	%100
50	MP1A	Z	2.971	2.971	0	%100
51	MP1B	X	1.715	1.715	0	%100
52	MP1B	Z	2.971	2.971	0	%100
53	MP1C	X	1.715	1.715	0	%100
54	MP1C	Z	2.971	2.971	0	%100
55	MP2A	X	1.715	1.715	0	%100
56	MP2A	Z	2.971	2.971	0	%100
57	MP2B	X	1.715	1.715	0	%100
58	MP2B	Z	2.971	2.971	0	%100
59	MP2C	X	1.715	1.715	0	%100
60	MP2C	Z	2.971	2.971	0	%100
61	MP4A	X	1.715	1.715	0	%100
62	MP4A	Z	2.971	2.971	0	%100
63	MP4B	X	1.715	1.715	0	%100
64	MP4B	Z	2.971	2.971	0	%100
65	MP4C	X	1.715	1.715	0	%100
66	MP4C	Z	2.971	2.971	0	%100
67	SP2	X	1.329	1.329	0	%100
68	SP2	Z	2.302	2.302	0	%100
69	SP1	X	1.329	1.329	0	%100
70	SP1	Z	2.302	2.302	0	%100
71	M71	X	.215	.215	0	%100
72	M71	Z	.373	.373	0	%100
73	M72	X	1.005	1.005	0	%100
74	M72	Z	1.741	1.741	0	%100
75	MP3A	X	1.899	1.899	0	%100
76	MP3A	Z	3.289	3.289	0	%100
77	M73A	X	1.715	1.715	0	%100
78	M73A	Z	2.971	2.971	0	%100
79	MP3B	X	1.899	1.899	0	%100
80	MP3B	Z	3.289	3.289	0	%100
81	M73	X	1.715	1.715	0	%100
82	M73	Z	2.971	2.971	0	%100
83	MP3C	X	1.899	1.899	0	%100
84	MP3C	Z	3.289	3.289	0	%100
85	M79	X	1.715	1.715	0	%100
86	M79	Z	2.971	2.971	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	0	0	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	1.339	1.339	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	1.339	1.339	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	3.458	3.458	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	1.339	1.339	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	1.339	1.339	0	%100
13	M6	X	0	0	0	%100
14	M6	Z	0	0	0	%100
15	M7	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....	Start Location[ft.%]	End Location[ft.%]
16	M7	Z	5.358	5.358	0 %100
17	M8	X	0	0	0 %100
18	M8	Z	5.358	5.358	0 %100
19	M9	X	0	0	0 %100
20	M9	Z	3.458	3.458	0 %100
21	M17	X	0	0	0 %100
22	M17	Z	3.431	3.431	0 %100
23	M18	X	0	0	0 %100
24	M18	Z	.858	.858	0 %100
25	M19	X	0	0	0 %100
26	M19	Z	.858	.858	0 %100
27	M20A	X	0	0	0 %100
28	M20A	Z	.735	.735	0 %100
29	M21	X	0	0	0 %100
30	M21	Z	.735	.735	0 %100
31	M22	X	0	0	0 %100
32	M22	Z	2.939	2.939	0 %100
33	M26	X	0	0	0 %100
34	M26	Z	.858	.858	0 %100
35	M27	X	0	0	0 %100
36	M27	Z	.858	.858	0 %100
37	M28	X	0	0	0 %100
38	M28	Z	3.431	3.431	0 %100
39	M54	X	0	0	0 %100
40	M54	Z	2.744	2.744	0 %100
41	M55	X	0	0	0 %100
42	M55	Z	0	0	0 %100
43	M55A	X	0	0	0 %100
44	M55A	Z	2.342	2.342	0 %100
45	M56	X	0	0	0 %100
46	M56	Z	2.744	2.744	0 %100
47	M57	X	0	0	0 %100
48	M57	Z	2.342	2.342	0 %100
49	MP1A	X	0	0	0 %100
50	MP1A	Z	3.431	3.431	0 %100
51	MP1B	X	0	0	0 %100
52	MP1B	Z	3.431	3.431	0 %100
53	MP1C	X	0	0	0 %100
54	MP1C	Z	3.431	3.431	0 %100
55	MP2A	X	0	0	0 %100
56	MP2A	Z	3.431	3.431	0 %100
57	MP2B	X	0	0	0 %100
58	MP2B	Z	3.431	3.431	0 %100
59	MP2C	X	0	0	0 %100
60	MP2C	Z	3.431	3.431	0 %100
61	MP4A	X	0	0	0 %100
62	MP4A	Z	3.431	3.431	0 %100
63	MP4B	X	0	0	0 %100
64	MP4B	Z	3.431	3.431	0 %100
65	MP4C	X	0	0	0 %100
66	MP4C	Z	3.431	3.431	0 %100
67	SP2	X	0	0	0 %100
68	SP2	Z	2.658	2.658	0 %100
69	SP1	X	0	0	0 %100
70	SP1	Z	2.658	2.658	0 %100
71	M71	X	0	0	0 %100
72	M71	Z	.014	.014	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
73	M72	X	0	0	0	%100
74	M72	Z	.891	.891	0	%100
75	MP3A	X	0	0	0	%100
76	MP3A	Z	3.798	3.798	0	%100
77	M73A	X	0	0	0	%100
78	M73A	Z	3.431	3.431	0	%100
79	MP3B	X	0	0	0	%100
80	MP3B	Z	3.798	3.798	0	%100
81	M73	X	0	0	0	%100
82	M73	Z	3.431	3.431	0	%100
83	MP3C	X	0	0	0	%100
84	MP3C	Z	3.798	3.798	0	%100
85	M79	X	0	0	0	%100
86	M79	Z	3.431	3.431	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	ASO	X	-.457	-.457	0	%100
2	ASO	Z	.792	.792	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	-.576	-.576	0	%100
8	M3	Z	.998	.998	0	%100
9	M4	X	-2.009	-2.009	0	%100
10	M4	Z	3.48	3.48	0	%100
11	M5	X	-2.009	-2.009	0	%100
12	M5	Z	3.48	3.48	0	%100
13	M6	X	-.576	-.576	0	%100
14	M6	Z	.998	.998	0	%100
15	M7	X	-2.009	-2.009	0	%100
16	M7	Z	3.48	3.48	0	%100
17	M8	X	-2.009	-2.009	0	%100
18	M8	Z	3.48	3.48	0	%100
19	M9	X	-2.306	-2.306	0	%100
20	M9	Z	3.993	3.993	0	%100
21	M17	X	-1.286	-1.286	0	%100
22	M17	Z	2.228	2.228	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	-1.286	-1.286	0	%100
26	M19	Z	2.228	2.228	0	%100
27	M20A	X	0	0	0	%100
28	M20A	Z	0	0	0	%100
29	M21	X	-1.102	-1.102	0	%100
30	M21	Z	1.909	1.909	0	%100
31	M22	X	-1.102	-1.102	0	%100
32	M22	Z	1.909	1.909	0	%100
33	M26	X	0	0	0	%100
34	M26	Z	0	0	0	%100
35	M27	X	-1.286	-1.286	0	%100
36	M27	Z	2.228	2.228	0	%100
37	M28	X	-1.286	-1.286	0	%100
38	M28	Z	2.228	2.228	0	%100
39	M54	X	-1.83	-1.83	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
40	M54	Z	3.169	3.169	0	%100
41	M55	X	-.39	-.39	0	%100
42	M55	Z	.676	.676	0	%100
43	M55A	X	-1.561	-1.561	0	%100
44	M55A	Z	2.704	2.704	0	%100
45	M56	X	-.457	-.457	0	%100
46	M56	Z	.792	.792	0	%100
47	M57	X	-.39	-.39	0	%100
48	M57	Z	.676	.676	0	%100
49	MP1A	X	-1.715	-1.715	0	%100
50	MP1A	Z	2.971	2.971	0	%100
51	MP1B	X	-1.715	-1.715	0	%100
52	MP1B	Z	2.971	2.971	0	%100
53	MP1C	X	-1.715	-1.715	0	%100
54	MP1C	Z	2.971	2.971	0	%100
55	MP2A	X	-1.715	-1.715	0	%100
56	MP2A	Z	2.971	2.971	0	%100
57	MP2B	X	-1.715	-1.715	0	%100
58	MP2B	Z	2.971	2.971	0	%100
59	MP2C	X	-1.715	-1.715	0	%100
60	MP2C	Z	2.971	2.971	0	%100
61	MP4A	X	-1.715	-1.715	0	%100
62	MP4A	Z	2.971	2.971	0	%100
63	MP4B	X	-1.715	-1.715	0	%100
64	MP4B	Z	2.971	2.971	0	%100
65	MP4C	X	-1.715	-1.715	0	%100
66	MP4C	Z	2.971	2.971	0	%100
67	SP2	X	-1.329	-1.329	0	%100
68	SP2	Z	2.302	2.302	0	%100
69	SP1	X	-1.329	-1.329	0	%100
70	SP1	Z	2.302	2.302	0	%100
71	M71	X	-.372	-.372	0	%100
72	M71	Z	.644	.644	0	%100
73	M72	X	-.024	-.024	0	%100
74	M72	Z	.041	.041	0	%100
75	MP3A	X	-1.899	-1.899	0	%100
76	MP3A	Z	3.289	3.289	0	%100
77	M73A	X	-1.715	-1.715	0	%100
78	M73A	Z	2.971	2.971	0	%100
79	MP3B	X	-1.899	-1.899	0	%100
80	MP3B	Z	3.289	3.289	0	%100
81	M73	X	-1.715	-1.715	0	%100
82	M73	Z	2.971	2.971	0	%100
83	MP3C	X	-1.899	-1.899	0	%100
84	MP3C	Z	3.289	3.289	0	%100
85	M79	X	-1.715	-1.715	0	%100
86	M79	Z	2.971	2.971	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	-2.377	-2.377	0	%100
2	ASO	Z	1.372	1.372	0	%100
3	M1	X	-1.16	-1.16	0	%100
4	M1	Z	.67	.67	0	%100
5	M2	X	-1.16	-1.16	0	%100
6	M2	Z	.67	.67	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
7	M3	X	0	0	%100
8	M3	Z	0	0	%100
9	M4	X	-4.64	-4.64	%100
10	M4	Z	2.679	2.679	%100
11	M5	X	-4.64	-4.64	%100
12	M5	Z	2.679	2.679	%100
13	M6	X	-2.995	-2.995	%100
14	M6	Z	1.729	1.729	%100
15	M7	X	-1.16	-1.16	%100
16	M7	Z	.67	.67	%100
17	M8	X	-1.16	-1.16	%100
18	M8	Z	.67	.67	%100
19	M9	X	-2.995	-2.995	%100
20	M9	Z	1.729	1.729	%100
21	M17	X	-.743	-.743	%100
22	M17	Z	.429	.429	%100
23	M18	X	-.743	-.743	%100
24	M18	Z	.429	.429	%100
25	M19	X	-2.971	-2.971	%100
26	M19	Z	1.715	1.715	%100
27	M20A	X	-.636	-.636	%100
28	M20A	Z	.367	.367	%100
29	M21	X	-2.545	-2.545	%100
30	M21	Z	1.469	1.469	%100
31	M22	X	-.636	-.636	%100
32	M22	Z	.367	.367	%100
33	M26	X	-.743	-.743	%100
34	M26	Z	.429	.429	%100
35	M27	X	-2.971	-2.971	%100
36	M27	Z	1.715	1.715	%100
37	M28	X	-.743	-.743	%100
38	M28	Z	.429	.429	%100
39	M54	X	-2.377	-2.377	%100
40	M54	Z	1.372	1.372	%100
41	M55	X	-2.028	-2.028	%100
42	M55	Z	1.171	1.171	%100
43	M55A	X	-2.028	-2.028	%100
44	M55A	Z	1.171	1.171	%100
45	M56	X	0	0	%100
46	M56	Z	0	0	%100
47	M57	X	0	0	%100
48	M57	Z	0	0	%100
49	MP1A	X	-2.971	-2.971	%100
50	MP1A	Z	1.715	1.715	%100
51	MP1B	X	-2.971	-2.971	%100
52	MP1B	Z	1.715	1.715	%100
53	MP1C	X	-2.971	-2.971	%100
54	MP1C	Z	1.715	1.715	%100
55	MP2A	X	-2.971	-2.971	%100
56	MP2A	Z	1.715	1.715	%100
57	MP2B	X	-2.971	-2.971	%100
58	MP2B	Z	1.715	1.715	%100
59	MP2C	X	-2.971	-2.971	%100
60	MP2C	Z	1.715	1.715	%100
61	MP4A	X	-2.971	-2.971	%100
62	MP4A	Z	1.715	1.715	%100
63	MP4B	X	-2.971	-2.971	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
64	MP4B	Z	1.715	1.715	0	%100
65	MP4C	X	-2.971	-2.971	0	%100
66	MP4C	Z	1.715	1.715	0	%100
67	SP2	X	-2.302	-2.302	0	%100
68	SP2	Z	1.329	1.329	0	%100
69	SP1	X	-2.302	-2.302	0	%100
70	SP1	Z	1.329	1.329	0	%100
71	M71	X	-1.637	-1.637	0	%100
72	M71	Z	.945	.945	0	%100
73	M72	X	-.279	-.279	0	%100
74	M72	Z	.161	.161	0	%100
75	MP3A	X	-3.289	-3.289	0	%100
76	MP3A	Z	1.899	1.899	0	%100
77	M73A	X	-2.971	-2.971	0	%100
78	M73A	Z	1.715	1.715	0	%100
79	MP3B	X	-3.289	-3.289	0	%100
80	MP3B	Z	1.899	1.899	0	%100
81	M73	X	-2.971	-2.971	0	%100
82	M73	Z	1.715	1.715	0	%100
83	MP3C	X	-3.289	-3.289	0	%100
84	MP3C	Z	1.899	1.899	0	%100
85	M79	X	-2.971	-2.971	0	%100
86	M79	Z	1.715	1.715	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	-3.659	-3.659	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	-4.018	-4.018	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	-4.018	-4.018	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	-1.153	-1.153	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	-4.018	-4.018	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	-4.018	-4.018	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	-4.611	-4.611	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	0	0	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	0	0	0	%100
19	M9	X	-1.153	-1.153	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	-2.573	-2.573	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	-2.573	-2.573	0	%100
26	M19	Z	0	0	0	%100
27	M20A	X	-2.204	-2.204	0	%100
28	M20A	Z	0	0	0	%100
29	M21	X	-2.204	-2.204	0	%100
30	M21	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
31	M22	X	0	0	%100
32	M22	Z	0	0	%100
33	M26	X	-2.573	-2.573	%100
34	M26	Z	0	0	%100
35	M27	X	-2.573	-2.573	%100
36	M27	Z	0	0	%100
37	M28	X	0	0	%100
38	M28	Z	0	0	%100
39	M54	X	-.915	-.915	%100
40	M54	Z	0	0	%100
41	M55	X	-3.122	-3.122	%100
42	M55	Z	0	0	%100
43	M55A	X	-.781	-.781	%100
44	M55A	Z	0	0	%100
45	M56	X	-.915	-.915	%100
46	M56	Z	0	0	%100
47	M57	X	-.781	-.781	%100
48	M57	Z	0	0	%100
49	MP1A	X	-3.431	-3.431	%100
50	MP1A	Z	0	0	%100
51	MP1B	X	-3.431	-3.431	%100
52	MP1B	Z	0	0	%100
53	MP1C	X	-3.431	-3.431	%100
54	MP1C	Z	0	0	%100
55	MP2A	X	-3.431	-3.431	%100
56	MP2A	Z	0	0	%100
57	MP2B	X	-3.431	-3.431	%100
58	MP2B	Z	0	0	%100
59	MP2C	X	-3.431	-3.431	%100
60	MP2C	Z	0	0	%100
61	MP4A	X	-3.431	-3.431	%100
62	MP4A	Z	0	0	%100
63	MP4B	X	-3.431	-3.431	%100
64	MP4B	Z	0	0	%100
65	MP4C	X	-3.431	-3.431	%100
66	MP4C	Z	0	0	%100
67	SP2	X	-2.658	-2.658	%100
68	SP2	Z	0	0	%100
69	SP1	X	-2.658	-2.658	%100
70	SP1	Z	0	0	%100
71	M71	X	-2.307	-2.307	%100
72	M71	Z	0	0	%100
73	M72	X	-1.44	-1.44	%100
74	M72	Z	0	0	%100
75	MP3A	X	-3.798	-3.798	%100
76	MP3A	Z	0	0	%100
77	M73A	X	-3.431	-3.431	%100
78	M73A	Z	0	0	%100
79	MP3B	X	-3.798	-3.798	%100
80	MP3B	Z	0	0	%100
81	M73	X	-3.431	-3.431	%100
82	M73	Z	0	0	%100
83	MP3C	X	-3.798	-3.798	%100
84	MP3C	Z	0	0	%100
85	M79	X	-3.431	-3.431	%100
86	M79	Z	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	-2.377	-2.377	0 %100
2	ASO	Z	-1.372	-1.372	0 %100
3	M1	X	-4.64	-4.64	0 %100
4	M1	Z	-2.679	-2.679	0 %100
5	M2	X	-4.64	-4.64	0 %100
6	M2	Z	-2.679	-2.679	0 %100
7	M3	X	-2.995	-2.995	0 %100
8	M3	Z	-1.729	-1.729	0 %100
9	M4	X	-1.16	-1.16	0 %100
10	M4	Z	-.67	-.67	0 %100
11	M5	X	-1.16	-1.16	0 %100
12	M5	Z	-.67	-.67	0 %100
13	M6	X	-2.995	-2.995	0 %100
14	M6	Z	-1.729	-1.729	0 %100
15	M7	X	-1.16	-1.16	0 %100
16	M7	Z	-.67	-.67	0 %100
17	M8	X	-1.16	-1.16	0 %100
18	M8	Z	-.67	-.67	0 %100
19	M9	X	0	0	0 %100
20	M9	Z	0	0	0 %100
21	M17	X	-.743	-.743	0 %100
22	M17	Z	-.429	-.429	0 %100
23	M18	X	-2.971	-2.971	0 %100
24	M18	Z	-1.715	-1.715	0 %100
25	M19	X	-.743	-.743	0 %100
26	M19	Z	-.429	-.429	0 %100
27	M20A	X	-2.545	-2.545	0 %100
28	M20A	Z	-1.469	-1.469	0 %100
29	M21	X	-.636	-.636	0 %100
30	M21	Z	-.367	-.367	0 %100
31	M22	X	-.636	-.636	0 %100
32	M22	Z	-.367	-.367	0 %100
33	M26	X	-2.971	-2.971	0 %100
34	M26	Z	-1.715	-1.715	0 %100
35	M27	X	-.743	-.743	0 %100
36	M27	Z	-.429	-.429	0 %100
37	M28	X	-.743	-.743	0 %100
38	M28	Z	-.429	-.429	0 %100
39	M54	X	0	0	0 %100
40	M54	Z	0	0	0 %100
41	M55	X	-2.028	-2.028	0 %100
42	M55	Z	-1.171	-1.171	0 %100
43	M55A	X	0	0	0 %100
44	M55A	Z	0	0	0 %100
45	M56	X	-2.377	-2.377	0 %100
46	M56	Z	-1.372	-1.372	0 %100
47	M57	X	-2.028	-2.028	0 %100
48	M57	Z	-1.171	-1.171	0 %100
49	MP1A	X	-2.971	-2.971	0 %100
50	MP1A	Z	-1.715	-1.715	0 %100
51	MP1B	X	-2.971	-2.971	0 %100
52	MP1B	Z	-1.715	-1.715	0 %100
53	MP1C	X	-2.971	-2.971	0 %100
54	MP1C	Z	-1.715	-1.715	0 %100
55	MP2A	X	-2.971	-2.971	0 %100
56	MP2A	Z	-1.715	-1.715	0 %100
57	MP2B	X	-2.971	-2.971	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
58	MP2B	Z	-1.715	-1.715	0 %100
59	MP2C	X	-2.971	-2.971	0 %100
60	MP2C	Z	-1.715	-1.715	0 %100
61	MP4A	X	-2.971	-2.971	0 %100
62	MP4A	Z	-1.715	-1.715	0 %100
63	MP4B	X	-2.971	-2.971	0 %100
64	MP4B	Z	-1.715	-1.715	0 %100
65	MP4C	X	-2.971	-2.971	0 %100
66	MP4C	Z	-1.715	-1.715	0 %100
67	SP2	X	-2.302	-2.302	0 %100
68	SP2	Z	-1.329	-1.329	0 %100
69	SP1	X	-2.302	-2.302	0 %100
70	SP1	Z	-1.329	-1.329	0 %100
71	M71	X	-1.366	-1.366	0 %100
72	M71	Z	-.788	-.788	0 %100
73	M72	X	-1.978	-1.978	0 %100
74	M72	Z	-1.142	-1.142	0 %100
75	MP3A	X	-3.289	-3.289	0 %100
76	MP3A	Z	-1.899	-1.899	0 %100
77	M73A	X	-2.971	-2.971	0 %100
78	M73A	Z	-1.715	-1.715	0 %100
79	MP3B	X	-3.289	-3.289	0 %100
80	MP3B	Z	-1.899	-1.899	0 %100
81	M73	X	-2.971	-2.971	0 %100
82	M73	Z	-1.715	-1.715	0 %100
83	MP3C	X	-3.289	-3.289	0 %100
84	MP3C	Z	-1.899	-1.899	0 %100
85	M79	X	-2.971	-2.971	0 %100
86	M79	Z	-1.715	-1.715	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	ASO	X	-.457	-.457	0 %100
2	ASO	Z	-.792	-.792	0 %100
3	M1	X	-2.009	-2.009	0 %100
4	M1	Z	-3.48	-3.48	0 %100
5	M2	X	-2.009	-2.009	0 %100
6	M2	Z	-3.48	-3.48	0 %100
7	M3	X	-2.306	-2.306	0 %100
8	M3	Z	-3.993	-3.993	0 %100
9	M4	X	0	0	0 %100
10	M4	Z	0	0	0 %100
11	M5	X	0	0	0 %100
12	M5	Z	0	0	0 %100
13	M6	X	-.576	-.576	0 %100
14	M6	Z	-.998	-.998	0 %100
15	M7	X	-2.009	-2.009	0 %100
16	M7	Z	-3.48	-3.48	0 %100
17	M8	X	-2.009	-2.009	0 %100
18	M8	Z	-3.48	-3.48	0 %100
19	M9	X	-.576	-.576	0 %100
20	M9	Z	-.998	-.998	0 %100
21	M17	X	-1.286	-1.286	0 %100
22	M17	Z	-2.228	-2.228	0 %100
23	M18	X	-1.286	-1.286	0 %100
24	M18	Z	-2.228	-2.228	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
25	M19	X	0	0	%100
26	M19	Z	0	0	%100
27	M20A	X	-1.102	-1.102	%100
28	M20A	Z	-1.909	-1.909	%100
29	M21	X	0	0	%100
30	M21	Z	0	0	%100
31	M22	X	-1.102	-1.102	%100
32	M22	Z	-1.909	-1.909	%100
33	M26	X	-1.286	-1.286	%100
34	M26	Z	-2.228	-2.228	%100
35	M27	X	0	0	%100
36	M27	Z	0	0	%100
37	M28	X	-1.286	-1.286	%100
38	M28	Z	-2.228	-2.228	%100
39	M54	X	-.457	-.457	%100
40	M54	Z	-.792	-.792	%100
41	M55	X	-.39	-.39	%100
42	M55	Z	-.676	-.676	%100
43	M55A	X	-.39	-.39	%100
44	M55A	Z	-.676	-.676	%100
45	M56	X	-1.83	-1.83	%100
46	M56	Z	-3.169	-3.169	%100
47	M57	X	-1.561	-1.561	%100
48	M57	Z	-2.704	-2.704	%100
49	MP1A	X	-1.715	-1.715	%100
50	MP1A	Z	-2.971	-2.971	%100
51	MP1B	X	-1.715	-1.715	%100
52	MP1B	Z	-2.971	-2.971	%100
53	MP1C	X	-1.715	-1.715	%100
54	MP1C	Z	-2.971	-2.971	%100
55	MP2A	X	-1.715	-1.715	%100
56	MP2A	Z	-2.971	-2.971	%100
57	MP2B	X	-1.715	-1.715	%100
58	MP2B	Z	-2.971	-2.971	%100
59	MP2C	X	-1.715	-1.715	%100
60	MP2C	Z	-2.971	-2.971	%100
61	MP4A	X	-1.715	-1.715	%100
62	MP4A	Z	-2.971	-2.971	%100
63	MP4B	X	-1.715	-1.715	%100
64	MP4B	Z	-2.971	-2.971	%100
65	MP4C	X	-1.715	-1.715	%100
66	MP4C	Z	-2.971	-2.971	%100
67	SP2	X	-1.329	-1.329	%100
68	SP2	Z	-2.302	-2.302	%100
69	SP1	X	-1.329	-1.329	%100
70	SP1	Z	-2.302	-2.302	%100
71	M71	X	-.215	-.215	%100
72	M71	Z	-.373	-.373	%100
73	M72	X	-1.005	-1.005	%100
74	M72	Z	-1.741	-1.741	%100
75	MP3A	X	-1.899	-1.899	%100
76	MP3A	Z	-3.289	-3.289	%100
77	M73A	X	-1.715	-1.715	%100
78	M73A	Z	-2.971	-2.971	%100
79	MP3B	X	-1.899	-1.899	%100
80	MP3B	Z	-3.289	-3.289	%100
81	M73	X	-1.715	-1.715	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.-%]	End Location[ft.-%]
82	M73	Z	-2.971	-2.971	0	%100
83	MP3C	X	-1.899	-1.899	0	%100
84	MP3C	Z	-3.289	-3.289	0	%100
85	M79	X	-1.715	-1.715	0	%100
86	M79	Z	-2.971	-2.971	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.-%]	End Location[ft.-%]
1	ASO	X	0	0	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	-33	-33	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	-33	-33	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	-832	-832	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	-33	-33	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	-33	-33	0	%100
13	M6	X	0	0	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	-1.322	-1.322	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	-1.322	-1.322	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	-832	-832	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	-628	-628	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-157	-157	0	%100
25	M19	X	0	0	0	%100
26	M19	Z	-157	-157	0	%100
27	M20A	X	0	0	0	%100
28	M20A	Z	-172	-172	0	%100
29	M21	X	0	0	0	%100
30	M21	Z	-172	-172	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	-688	-688	0	%100
33	M26	X	0	0	0	%100
34	M26	Z	-157	-157	0	%100
35	M27	X	0	0	0	%100
36	M27	Z	-157	-157	0	%100
37	M28	X	0	0	0	%100
38	M28	Z	-628	-628	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-655	-655	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M55A	X	0	0	0	%100
44	M55A	Z	-562	-562	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	-655	-655	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	-562	-562	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
49	MP1A	X	0	0	0	%100
50	MP1A	Z	-.628	-.628	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	-.628	-.628	0	%100
53	MP1C	X	0	0	0	%100
54	MP1C	Z	-.628	-.628	0	%100
55	MP2A	X	0	0	0	%100
56	MP2A	Z	-.628	-.628	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	-.628	-.628	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	-.628	-.628	0	%100
61	MP4A	X	0	0	0	%100
62	MP4A	Z	-.628	-.628	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-.628	-.628	0	%100
65	MP4C	X	0	0	0	%100
66	MP4C	Z	-.628	-.628	0	%100
67	SP2	X	0	0	0	%100
68	SP2	Z	-.484	-.484	0	%100
69	SP1	X	0	0	0	%100
70	SP1	Z	-.484	-.484	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	-.003	-.003	0	%100
73	M72	X	0	0	0	%100
74	M72	Z	-.163	-.163	0	%100
75	MP3A	X	0	0	0	%100
76	MP3A	Z	-.76	-.76	0	%100
77	M73A	X	0	0	0	%100
78	M73A	Z	-.628	-.628	0	%100
79	MP3B	X	0	0	0	%100
80	MP3B	Z	-.76	-.76	0	%100
81	M73	X	0	0	0	%100
82	M73	Z	-.628	-.628	0	%100
83	MP3C	X	0	0	0	%100
84	MP3C	Z	-.76	-.76	0	%100
85	M79	X	0	0	0	%100
86	M79	Z	-.628	-.628	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	.109	.109	0	%100
2	ASO	Z	-.189	-.189	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	.139	.139	0	%100
8	M3	Z	-.24	-.24	0	%100
9	M4	X	.496	.496	0	%100
10	M4	Z	-.858	-.858	0	%100
11	M5	X	.496	.496	0	%100
12	M5	Z	-.858	-.858	0	%100
13	M6	X	.139	.139	0	%100
14	M6	Z	-.24	-.24	0	%100
15	M7	X	.496	.496	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.-%]	End Location[ft.-%]
16	M7	Z	-.858	-.858	0 %100
17	M8	X	.496	.496	0 %100
18	M8	Z	-.858	-.858	0 %100
19	M9	X	.554	.554	0 %100
20	M9	Z	-.96	-.96	0 %100
21	M17	X	.235	.235	0 %100
22	M17	Z	-.408	-.408	0 %100
23	M18	X	0	0	0 %100
24	M18	Z	0	0	0 %100
25	M19	X	.235	.235	0 %100
26	M19	Z	-.408	-.408	0 %100
27	M20A	X	0	0	0 %100
28	M20A	Z	0	0	0 %100
29	M21	X	.258	.258	0 %100
30	M21	Z	-.447	-.447	0 %100
31	M22	X	.258	.258	0 %100
32	M22	Z	-.447	-.447	0 %100
33	M26	X	0	0	0 %100
34	M26	Z	0	0	0 %100
35	M27	X	.235	.235	0 %100
36	M27	Z	-.408	-.408	0 %100
37	M28	X	.235	.235	0 %100
38	M28	Z	-.408	-.408	0 %100
39	M54	X	.437	.437	0 %100
40	M54	Z	-.757	-.757	0 %100
41	M55	X	.094	.094	0 %100
42	M55	Z	-.162	-.162	0 %100
43	M55A	X	.374	.374	0 %100
44	M55A	Z	-.649	-.649	0 %100
45	M56	X	.109	.109	0 %100
46	M56	Z	-.189	-.189	0 %100
47	M57	X	.094	.094	0 %100
48	M57	Z	-.162	-.162	0 %100
49	MP1A	X	.314	.314	0 %100
50	MP1A	Z	-.544	-.544	0 %100
51	MP1B	X	.314	.314	0 %100
52	MP1B	Z	-.544	-.544	0 %100
53	MP1C	X	.314	.314	0 %100
54	MP1C	Z	-.544	-.544	0 %100
55	MP2A	X	.314	.314	0 %100
56	MP2A	Z	-.544	-.544	0 %100
57	MP2B	X	.314	.314	0 %100
58	MP2B	Z	-.544	-.544	0 %100
59	MP2C	X	.314	.314	0 %100
60	MP2C	Z	-.544	-.544	0 %100
61	MP4A	X	.314	.314	0 %100
62	MP4A	Z	-.544	-.544	0 %100
63	MP4B	X	.314	.314	0 %100
64	MP4B	Z	-.544	-.544	0 %100
65	MP4C	X	.314	.314	0 %100
66	MP4C	Z	-.544	-.544	0 %100
67	SP2	X	.242	.242	0 %100
68	SP2	Z	-.419	-.419	0 %100
69	SP1	X	.242	.242	0 %100
70	SP1	Z	-.419	-.419	0 %100
71	M71	X	.068	.068	0 %100
72	M71	Z	-.117	-.117	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
73	M72	X	.004	.004	0	%100
74	M72	Z	-.007	-.007	0	%100
75	MP3A	X	.38	.38	0	%100
76	MP3A	Z	-.658	-.658	0	%100
77	M73A	X	.314	.314	0	%100
78	M73A	Z	-.544	-.544	0	%100
79	MP3B	X	.38	.38	0	%100
80	MP3B	Z	-.658	-.658	0	%100
81	M73	X	.314	.314	0	%100
82	M73	Z	-.544	-.544	0	%100
83	MP3C	X	.38	.38	0	%100
84	MP3C	Z	-.658	-.658	0	%100
85	M79	X	.314	.314	0	%100
86	M79	Z	-.544	-.544	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	ASO	X	.568	.568	0	%100
2	ASO	Z	-.328	-.328	0	%100
3	M1	X	.286	.286	0	%100
4	M1	Z	-.165	-.165	0	%100
5	M2	X	.286	.286	0	%100
6	M2	Z	-.165	-.165	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	1.145	1.145	0	%100
10	M4	Z	-.661	-.661	0	%100
11	M5	X	1.145	1.145	0	%100
12	M5	Z	-.661	-.661	0	%100
13	M6	X	.72	.72	0	%100
14	M6	Z	-.416	-.416	0	%100
15	M7	X	.286	.286	0	%100
16	M7	Z	-.165	-.165	0	%100
17	M8	X	.286	.286	0	%100
18	M8	Z	-.165	-.165	0	%100
19	M9	X	.72	.72	0	%100
20	M9	Z	-.416	-.416	0	%100
21	M17	X	.136	.136	0	%100
22	M17	Z	-.078	-.078	0	%100
23	M18	X	.136	.136	0	%100
24	M18	Z	-.078	-.078	0	%100
25	M19	X	.544	.544	0	%100
26	M19	Z	-.314	-.314	0	%100
27	M20A	X	.149	.149	0	%100
28	M20A	Z	-.086	-.086	0	%100
29	M21	X	.596	.596	0	%100
30	M21	Z	-.344	-.344	0	%100
31	M22	X	.149	.149	0	%100
32	M22	Z	-.086	-.086	0	%100
33	M26	X	.136	.136	0	%100
34	M26	Z	-.078	-.078	0	%100
35	M27	X	.544	.544	0	%100
36	M27	Z	-.314	-.314	0	%100
37	M28	X	.136	.136	0	%100
38	M28	Z	-.078	-.078	0	%100
39	M54	X	.568	.568	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
40	M54	Z	-.328	-.328	0	%100
41	M55	X	.486	.486	0	%100
42	M55	Z	-.281	-.281	0	%100
43	M55A	X	.486	.486	0	%100
44	M55A	Z	-.281	-.281	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	0	0	0	%100
49	MP1A	X	.544	.544	0	%100
50	MP1A	Z	-.314	-.314	0	%100
51	MP1B	X	.544	.544	0	%100
52	MP1B	Z	-.314	-.314	0	%100
53	MP1C	X	.544	.544	0	%100
54	MP1C	Z	-.314	-.314	0	%100
55	MP2A	X	.544	.544	0	%100
56	MP2A	Z	-.314	-.314	0	%100
57	MP2B	X	.544	.544	0	%100
58	MP2B	Z	-.314	-.314	0	%100
59	MP2C	X	.544	.544	0	%100
60	MP2C	Z	-.314	-.314	0	%100
61	MP4A	X	.544	.544	0	%100
62	MP4A	Z	-.314	-.314	0	%100
63	MP4B	X	.544	.544	0	%100
64	MP4B	Z	-.314	-.314	0	%100
65	MP4C	X	.544	.544	0	%100
66	MP4C	Z	-.314	-.314	0	%100
67	SP2	X	.419	.419	0	%100
68	SP2	Z	-.242	-.242	0	%100
69	SP1	X	.419	.419	0	%100
70	SP1	Z	-.242	-.242	0	%100
71	M71	X	.299	.299	0	%100
72	M71	Z	-.172	-.172	0	%100
73	M72	X	.051	.051	0	%100
74	M72	Z	-.029	-.029	0	%100
75	MP3A	X	.658	.658	0	%100
76	MP3A	Z	-.38	-.38	0	%100
77	M73A	X	.544	.544	0	%100
78	M73A	Z	-.314	-.314	0	%100
79	MP3B	X	.658	.658	0	%100
80	MP3B	Z	-.38	-.38	0	%100
81	M73	X	.544	.544	0	%100
82	M73	Z	-.314	-.314	0	%100
83	MP3C	X	.658	.658	0	%100
84	MP3C	Z	-.38	-.38	0	%100
85	M79	X	.544	.544	0	%100
86	M79	Z	-.314	-.314	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	ASO	X	.874	.874	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	.991	.991	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	.991	.991	0	%100
6	M2	Z	0	0	0	%100



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 Designer : Karumanchi, Ujwala
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Member Distributed Loads (BLC 68 : Structure Wm (90 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
7	M3	X	.277	.277	0 %100
8	M3	Z	0	0	0 %100
9	M4	X	.991	.991	0 %100
10	M4	Z	0	0	0 %100
11	M5	X	.991	.991	0 %100
12	M5	Z	0	0	0 %100
13	M6	X	1.109	1.109	0 %100
14	M6	Z	0	0	0 %100
15	M7	X	0	0	0 %100
16	M7	Z	0	0	0 %100
17	M8	X	0	0	0 %100
18	M8	Z	0	0	0 %100
19	M9	X	.277	.277	0 %100
20	M9	Z	0	0	0 %100
21	M17	X	0	0	0 %100
22	M17	Z	0	0	0 %100
23	M18	X	.471	.471	0 %100
24	M18	Z	0	0	0 %100
25	M19	X	.471	.471	0 %100
26	M19	Z	0	0	0 %100
27	M20A	X	.516	.516	0 %100
28	M20A	Z	0	0	0 %100
29	M21	X	.516	.516	0 %100
30	M21	Z	0	0	0 %100
31	M22	X	0	0	0 %100
32	M22	Z	0	0	0 %100
33	M26	X	.471	.471	0 %100
34	M26	Z	0	0	0 %100
35	M27	X	.471	.471	0 %100
36	M27	Z	0	0	0 %100
37	M28	X	0	0	0 %100
38	M28	Z	0	0	0 %100
39	M54	X	.218	.218	0 %100
40	M54	Z	0	0	0 %100
41	M55	X	.749	.749	0 %100
42	M55	Z	0	0	0 %100
43	M55A	X	.187	.187	0 %100
44	M55A	Z	0	0	0 %100
45	M56	X	.218	.218	0 %100
46	M56	Z	0	0	0 %100
47	M57	X	.187	.187	0 %100
48	M57	Z	0	0	0 %100
49	MP1A	X	.628	.628	0 %100
50	MP1A	Z	0	0	0 %100
51	MP1B	X	.628	.628	0 %100
52	MP1B	Z	0	0	0 %100
53	MP1C	X	.628	.628	0 %100
54	MP1C	Z	0	0	0 %100
55	MP2A	X	.628	.628	0 %100
56	MP2A	Z	0	0	0 %100
57	MP2B	X	.628	.628	0 %100
58	MP2B	Z	0	0	0 %100
59	MP2C	X	.628	.628	0 %100
60	MP2C	Z	0	0	0 %100
61	MP4A	X	.628	.628	0 %100
62	MP4A	Z	0	0	0 %100
63	MP4B	X	.628	.628	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
64	MP4B	Z	0	0	0	%100
65	MP4C	X	.628	.628	0	%100
66	MP4C	Z	0	0	0	%100
67	SP2	X	.484	.484	0	%100
68	SP2	Z	0	0	0	%100
69	SP1	X	.484	.484	0	%100
70	SP1	Z	0	0	0	%100
71	M71	X	.421	.421	0	%100
72	M71	Z	0	0	0	%100
73	M72	X	.263	.263	0	%100
74	M72	Z	0	0	0	%100
75	MP3A	X	.76	.76	0	%100
76	MP3A	Z	0	0	0	%100
77	M73A	X	.628	.628	0	%100
78	M73A	Z	0	0	0	%100
79	MP3B	X	.76	.76	0	%100
80	MP3B	Z	0	0	0	%100
81	M73	X	.628	.628	0	%100
82	M73	Z	0	0	0	%100
83	MP3C	X	.76	.76	0	%100
84	MP3C	Z	0	0	0	%100
85	M79	X	.628	.628	0	%100
86	M79	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,...	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	.568	.568	0	%100
2	ASO	Z	.328	.328	0	%100
3	M1	X	1.145	1.145	0	%100
4	M1	Z	.661	.661	0	%100
5	M2	X	1.145	1.145	0	%100
6	M2	Z	.661	.661	0	%100
7	M3	X	.72	.72	0	%100
8	M3	Z	.416	.416	0	%100
9	M4	X	.286	.286	0	%100
10	M4	Z	.165	.165	0	%100
11	M5	X	.286	.286	0	%100
12	M5	Z	.165	.165	0	%100
13	M6	X	.72	.72	0	%100
14	M6	Z	.416	.416	0	%100
15	M7	X	.286	.286	0	%100
16	M7	Z	.165	.165	0	%100
17	M8	X	.286	.286	0	%100
18	M8	Z	.165	.165	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	.136	.136	0	%100
22	M17	Z	.078	.078	0	%100
23	M18	X	.544	.544	0	%100
24	M18	Z	.314	.314	0	%100
25	M19	X	.136	.136	0	%100
26	M19	Z	.078	.078	0	%100
27	M20A	X	.596	.596	0	%100
28	M20A	Z	.344	.344	0	%100
29	M21	X	.149	.149	0	%100
30	M21	Z	.086	.086	0	%100



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 Designer : Karumanchi, Ujwala
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Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
31	M22	X	.149	.149	0 %100
32	M22	Z	.086	.086	0 %100
33	M26	X	.544	.544	0 %100
34	M26	Z	.314	.314	0 %100
35	M27	X	.136	.136	0 %100
36	M27	Z	.078	.078	0 %100
37	M28	X	.136	.136	0 %100
38	M28	Z	.078	.078	0 %100
39	M54	X	0	0	0 %100
40	M54	Z	0	0	0 %100
41	M55	X	.486	.486	0 %100
42	M55	Z	.281	.281	0 %100
43	M55A	X	0	0	0 %100
44	M55A	Z	0	0	0 %100
45	M56	X	.568	.568	0 %100
46	M56	Z	.328	.328	0 %100
47	M57	X	.486	.486	0 %100
48	M57	Z	.281	.281	0 %100
49	MP1A	X	.544	.544	0 %100
50	MP1A	Z	.314	.314	0 %100
51	MP1B	X	.544	.544	0 %100
52	MP1B	Z	.314	.314	0 %100
53	MP1C	X	.544	.544	0 %100
54	MP1C	Z	.314	.314	0 %100
55	MP2A	X	.544	.544	0 %100
56	MP2A	Z	.314	.314	0 %100
57	MP2B	X	.544	.544	0 %100
58	MP2B	Z	.314	.314	0 %100
59	MP2C	X	.544	.544	0 %100
60	MP2C	Z	.314	.314	0 %100
61	MP4A	X	.544	.544	0 %100
62	MP4A	Z	.314	.314	0 %100
63	MP4B	X	.544	.544	0 %100
64	MP4B	Z	.314	.314	0 %100
65	MP4C	X	.544	.544	0 %100
66	MP4C	Z	.314	.314	0 %100
67	SP2	X	.419	.419	0 %100
68	SP2	Z	.242	.242	0 %100
69	SP1	X	.419	.419	0 %100
70	SP1	Z	.242	.242	0 %100
71	M71	X	.249	.249	0 %100
72	M71	Z	.144	.144	0 %100
73	M72	X	.361	.361	0 %100
74	M72	Z	.208	.208	0 %100
75	MP3A	X	.658	.658	0 %100
76	MP3A	Z	.38	.38	0 %100
77	M73A	X	.544	.544	0 %100
78	M73A	Z	.314	.314	0 %100
79	MP3B	X	.658	.658	0 %100
80	MP3B	Z	.38	.38	0 %100
81	M73	X	.544	.544	0 %100
82	M73	Z	.314	.314	0 %100
83	MP3C	X	.658	.658	0 %100
84	MP3C	Z	.38	.38	0 %100
85	M79	X	.544	.544	0 %100
86	M79	Z	.314	.314	0 %100



Company : GPD
 Designer : Karumanchi, Ujwala
 Job Number : Project No. 10039638
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Member Distributed Loads (BLC 70 : Structure Wm (150 Deg))

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	ASO	X	.109	.109	0 %100
2	ASO	Z	.189	.189	0 %100
3	M1	X	.496	.496	0 %100
4	M1	Z	.858	.858	0 %100
5	M2	X	.496	.496	0 %100
6	M2	Z	.858	.858	0 %100
7	M3	X	.554	.554	0 %100
8	M3	Z	.96	.96	0 %100
9	M4	X	0	0	0 %100
10	M4	Z	0	0	0 %100
11	M5	X	0	0	0 %100
12	M5	Z	0	0	0 %100
13	M6	X	.139	.139	0 %100
14	M6	Z	.24	.24	0 %100
15	M7	X	.496	.496	0 %100
16	M7	Z	.858	.858	0 %100
17	M8	X	.496	.496	0 %100
18	M8	Z	.858	.858	0 %100
19	M9	X	.139	.139	0 %100
20	M9	Z	.24	.24	0 %100
21	M17	X	.235	.235	0 %100
22	M17	Z	.408	.408	0 %100
23	M18	X	.235	.235	0 %100
24	M18	Z	.408	.408	0 %100
25	M19	X	0	0	0 %100
26	M19	Z	0	0	0 %100
27	M20A	X	.258	.258	0 %100
28	M20A	Z	.447	.447	0 %100
29	M21	X	0	0	0 %100
30	M21	Z	0	0	0 %100
31	M22	X	.258	.258	0 %100
32	M22	Z	.447	.447	0 %100
33	M26	X	.235	.235	0 %100
34	M26	Z	.408	.408	0 %100
35	M27	X	0	0	0 %100
36	M27	Z	0	0	0 %100
37	M28	X	.235	.235	0 %100
38	M28	Z	.408	.408	0 %100
39	M54	X	.109	.109	0 %100
40	M54	Z	.189	.189	0 %100
41	M55	X	.094	.094	0 %100
42	M55	Z	.162	.162	0 %100
43	M55A	X	.094	.094	0 %100
44	M55A	Z	.162	.162	0 %100
45	M56	X	.437	.437	0 %100
46	M56	Z	.757	.757	0 %100
47	M57	X	.374	.374	0 %100
48	M57	Z	.649	.649	0 %100
49	MP1A	X	.314	.314	0 %100
50	MP1A	Z	.544	.544	0 %100
51	MP1B	X	.314	.314	0 %100
52	MP1B	Z	.544	.544	0 %100
53	MP1C	X	.314	.314	0 %100
54	MP1C	Z	.544	.544	0 %100
55	MP2A	X	.314	.314	0 %100
56	MP2A	Z	.544	.544	0 %100
57	MP2B	X	.314	.314	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
58	MP2B	Z	.544	.544	0	%100
59	MP2C	X	.314	.314	0	%100
60	MP2C	Z	.544	.544	0	%100
61	MP4A	X	.314	.314	0	%100
62	MP4A	Z	.544	.544	0	%100
63	MP4B	X	.314	.314	0	%100
64	MP4B	Z	.544	.544	0	%100
65	MP4C	X	.314	.314	0	%100
66	MP4C	Z	.544	.544	0	%100
67	SP2	X	.242	.242	0	%100
68	SP2	Z	.419	.419	0	%100
69	SP1	X	.242	.242	0	%100
70	SP1	Z	.419	.419	0	%100
71	M71	X	.039	.039	0	%100
72	M71	Z	.068	.068	0	%100
73	M72	X	.183	.183	0	%100
74	M72	Z	.317	.317	0	%100
75	MP3A	X	.38	.38	0	%100
76	MP3A	Z	.658	.658	0	%100
77	M73A	X	.314	.314	0	%100
78	M73A	Z	.544	.544	0	%100
79	MP3B	X	.38	.38	0	%100
80	MP3B	Z	.658	.658	0	%100
81	M73	X	.314	.314	0	%100
82	M73	Z	.544	.544	0	%100
83	MP3C	X	.38	.38	0	%100
84	MP3C	Z	.658	.658	0	%100
85	M79	X	.314	.314	0	%100
86	M79	Z	.544	.544	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	ASO	X	0	0	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	.33	.33	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	.33	.33	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	.832	.832	0	%100
9	M4	X	0	0	0	%100
10	M4	Z	.33	.33	0	%100
11	M5	X	0	0	0	%100
12	M5	Z	.33	.33	0	%100
13	M6	X	0	0	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	1.322	1.322	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	1.322	1.322	0	%100
19	M9	X	0	0	0	%100
20	M9	Z	.832	.832	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	.628	.628	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	.157	.157	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
25	M19	X	0	0	%100
26	M19	Z	.157	.157	%100
27	M20A	X	0	0	%100
28	M20A	Z	.172	.172	%100
29	M21	X	0	0	%100
30	M21	Z	.172	.172	%100
31	M22	X	0	0	%100
32	M22	Z	.688	.688	%100
33	M26	X	0	0	%100
34	M26	Z	.157	.157	%100
35	M27	X	0	0	%100
36	M27	Z	.157	.157	%100
37	M28	X	0	0	%100
38	M28	Z	.628	.628	%100
39	M54	X	0	0	%100
40	M54	Z	.655	.655	%100
41	M55	X	0	0	%100
42	M55	Z	0	0	%100
43	M55A	X	0	0	%100
44	M55A	Z	.562	.562	%100
45	M56	X	0	0	%100
46	M56	Z	.655	.655	%100
47	M57	X	0	0	%100
48	M57	Z	.562	.562	%100
49	MP1A	X	0	0	%100
50	MP1A	Z	.628	.628	%100
51	MP1B	X	0	0	%100
52	MP1B	Z	.628	.628	%100
53	MP1C	X	0	0	%100
54	MP1C	Z	.628	.628	%100
55	MP2A	X	0	0	%100
56	MP2A	Z	.628	.628	%100
57	MP2B	X	0	0	%100
58	MP2B	Z	.628	.628	%100
59	MP2C	X	0	0	%100
60	MP2C	Z	.628	.628	%100
61	MP4A	X	0	0	%100
62	MP4A	Z	.628	.628	%100
63	MP4B	X	0	0	%100
64	MP4B	Z	.628	.628	%100
65	MP4C	X	0	0	%100
66	MP4C	Z	.628	.628	%100
67	SP2	X	0	0	%100
68	SP2	Z	.484	.484	%100
69	SP1	X	0	0	%100
70	SP1	Z	.484	.484	%100
71	M71	X	0	0	%100
72	M71	Z	.003	.003	%100
73	M72	X	0	0	%100
74	M72	Z	.163	.163	%100
75	MP3A	X	0	0	%100
76	MP3A	Z	.76	.76	%100
77	M73A	X	0	0	%100
78	M73A	Z	.628	.628	%100
79	MP3B	X	0	0	%100
80	MP3B	Z	.76	.76	%100
81	M73	X	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
82	M73	Z	.628	.628	0	%100
83	MP3C	X	0	0	0	%100
84	MP3C	Z	.76	.76	0	%100
85	M79	X	0	0	0	%100
86	M79	Z	.628	.628	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	ASO	X	-.109	-.109	0	%100
2	ASO	Z	.189	.189	0	%100
3	M1	X	0	0	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	0	0	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	-.139	-.139	0	%100
8	M3	Z	.24	.24	0	%100
9	M4	X	-.496	-.496	0	%100
10	M4	Z	.858	.858	0	%100
11	M5	X	-.496	-.496	0	%100
12	M5	Z	.858	.858	0	%100
13	M6	X	-.139	-.139	0	%100
14	M6	Z	.24	.24	0	%100
15	M7	X	-.496	-.496	0	%100
16	M7	Z	.858	.858	0	%100
17	M8	X	-.496	-.496	0	%100
18	M8	Z	.858	.858	0	%100
19	M9	X	-.554	-.554	0	%100
20	M9	Z	.96	.96	0	%100
21	M17	X	-.235	-.235	0	%100
22	M17	Z	.408	.408	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	-.235	-.235	0	%100
26	M19	Z	.408	.408	0	%100
27	M20A	X	0	0	0	%100
28	M20A	Z	0	0	0	%100
29	M21	X	-.258	-.258	0	%100
30	M21	Z	.447	.447	0	%100
31	M22	X	-.258	-.258	0	%100
32	M22	Z	.447	.447	0	%100
33	M26	X	0	0	0	%100
34	M26	Z	0	0	0	%100
35	M27	X	-.235	-.235	0	%100
36	M27	Z	.408	.408	0	%100
37	M28	X	-.235	-.235	0	%100
38	M28	Z	.408	.408	0	%100
39	M54	X	-.437	-.437	0	%100
40	M54	Z	.757	.757	0	%100
41	M55	X	-.094	-.094	0	%100
42	M55	Z	.162	.162	0	%100
43	M55A	X	-.374	-.374	0	%100
44	M55A	Z	.649	.649	0	%100
45	M56	X	-.109	-.109	0	%100
46	M56	Z	.189	.189	0	%100
47	M57	X	-.094	-.094	0	%100
48	M57	Z	.162	.162	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
49	MP1A	X	-.314	-.314	0	%100
50	MP1A	Z	.544	.544	0	%100
51	MP1B	X	-.314	-.314	0	%100
52	MP1B	Z	.544	.544	0	%100
53	MP1C	X	-.314	-.314	0	%100
54	MP1C	Z	.544	.544	0	%100
55	MP2A	X	-.314	-.314	0	%100
56	MP2A	Z	.544	.544	0	%100
57	MP2B	X	-.314	-.314	0	%100
58	MP2B	Z	.544	.544	0	%100
59	MP2C	X	-.314	-.314	0	%100
60	MP2C	Z	.544	.544	0	%100
61	MP4A	X	-.314	-.314	0	%100
62	MP4A	Z	.544	.544	0	%100
63	MP4B	X	-.314	-.314	0	%100
64	MP4B	Z	.544	.544	0	%100
65	MP4C	X	-.314	-.314	0	%100
66	MP4C	Z	.544	.544	0	%100
67	SP2	X	-.242	-.242	0	%100
68	SP2	Z	.419	.419	0	%100
69	SP1	X	-.242	-.242	0	%100
70	SP1	Z	.419	.419	0	%100
71	M71	X	-.068	-.068	0	%100
72	M71	Z	.117	.117	0	%100
73	M72	X	-.004	-.004	0	%100
74	M72	Z	.007	.007	0	%100
75	MP3A	X	-.38	-.38	0	%100
76	MP3A	Z	.658	.658	0	%100
77	M73A	X	-.314	-.314	0	%100
78	M73A	Z	.544	.544	0	%100
79	MP3B	X	-.38	-.38	0	%100
80	MP3B	Z	.658	.658	0	%100
81	M73	X	-.314	-.314	0	%100
82	M73	Z	.544	.544	0	%100
83	MP3C	X	-.38	-.38	0	%100
84	MP3C	Z	.658	.658	0	%100
85	M79	X	-.314	-.314	0	%100
86	M79	Z	.544	.544	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	-.568	-.568	0	%100
2	ASO	Z	.328	.328	0	%100
3	M1	X	-.286	-.286	0	%100
4	M1	Z	.165	.165	0	%100
5	M2	X	-.286	-.286	0	%100
6	M2	Z	.165	.165	0	%100
7	M3	X	0	0	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	-1.145	-1.145	0	%100
10	M4	Z	.661	.661	0	%100
11	M5	X	-1.145	-1.145	0	%100
12	M5	Z	.661	.661	0	%100
13	M6	X	-.72	-.72	0	%100
14	M6	Z	.416	.416	0	%100
15	M7	X	-.286	-.286	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
16	M7	Z	.165	.165	0 %100
17	M8	X	-.286	-.286	0 %100
18	M8	Z	.165	.165	0 %100
19	M9	X	-.72	-.72	0 %100
20	M9	Z	.416	.416	0 %100
21	M17	X	-.136	-.136	0 %100
22	M17	Z	.078	.078	0 %100
23	M18	X	-.136	-.136	0 %100
24	M18	Z	.078	.078	0 %100
25	M19	X	-.544	-.544	0 %100
26	M19	Z	.314	.314	0 %100
27	M20A	X	-.149	-.149	0 %100
28	M20A	Z	.086	.086	0 %100
29	M21	X	-.596	-.596	0 %100
30	M21	Z	.344	.344	0 %100
31	M22	X	-.149	-.149	0 %100
32	M22	Z	.086	.086	0 %100
33	M26	X	-.136	-.136	0 %100
34	M26	Z	.078	.078	0 %100
35	M27	X	-.544	-.544	0 %100
36	M27	Z	.314	.314	0 %100
37	M28	X	-.136	-.136	0 %100
38	M28	Z	.078	.078	0 %100
39	M54	X	-.568	-.568	0 %100
40	M54	Z	.328	.328	0 %100
41	M55	X	-.486	-.486	0 %100
42	M55	Z	.281	.281	0 %100
43	M55A	X	-.486	-.486	0 %100
44	M55A	Z	.281	.281	0 %100
45	M56	X	0	0	0 %100
46	M56	Z	0	0	0 %100
47	M57	X	0	0	0 %100
48	M57	Z	0	0	0 %100
49	MP1A	X	-.544	-.544	0 %100
50	MP1A	Z	.314	.314	0 %100
51	MP1B	X	-.544	-.544	0 %100
52	MP1B	Z	.314	.314	0 %100
53	MP1C	X	-.544	-.544	0 %100
54	MP1C	Z	.314	.314	0 %100
55	MP2A	X	-.544	-.544	0 %100
56	MP2A	Z	.314	.314	0 %100
57	MP2B	X	-.544	-.544	0 %100
58	MP2B	Z	.314	.314	0 %100
59	MP2C	X	-.544	-.544	0 %100
60	MP2C	Z	.314	.314	0 %100
61	MP4A	X	-.544	-.544	0 %100
62	MP4A	Z	.314	.314	0 %100
63	MP4B	X	-.544	-.544	0 %100
64	MP4B	Z	.314	.314	0 %100
65	MP4C	X	-.544	-.544	0 %100
66	MP4C	Z	.314	.314	0 %100
67	SP2	X	-.419	-.419	0 %100
68	SP2	Z	.242	.242	0 %100
69	SP1	X	-.419	-.419	0 %100
70	SP1	Z	.242	.242	0 %100
71	M71	X	-.299	-.299	0 %100
72	M71	Z	.172	.172	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
73	M72	X	-.051	-.051	0	%100
74	M72	Z	.029	.029	0	%100
75	MP3A	X	-.658	-.658	0	%100
76	MP3A	Z	.38	.38	0	%100
77	M73A	X	-.544	-.544	0	%100
78	M73A	Z	.314	.314	0	%100
79	MP3B	X	-.658	-.658	0	%100
80	MP3B	Z	.38	.38	0	%100
81	M73	X	-.544	-.544	0	%100
82	M73	Z	.314	.314	0	%100
83	MP3C	X	-.658	-.658	0	%100
84	MP3C	Z	.38	.38	0	%100
85	M79	X	-.544	-.544	0	%100
86	M79	Z	.314	.314	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	ASO	X	-.874	-.874	0	%100
2	ASO	Z	0	0	0	%100
3	M1	X	-.991	-.991	0	%100
4	M1	Z	0	0	0	%100
5	M2	X	-.991	-.991	0	%100
6	M2	Z	0	0	0	%100
7	M3	X	-.277	-.277	0	%100
8	M3	Z	0	0	0	%100
9	M4	X	-.991	-.991	0	%100
10	M4	Z	0	0	0	%100
11	M5	X	-.991	-.991	0	%100
12	M5	Z	0	0	0	%100
13	M6	X	-1.109	-1.109	0	%100
14	M6	Z	0	0	0	%100
15	M7	X	0	0	0	%100
16	M7	Z	0	0	0	%100
17	M8	X	0	0	0	%100
18	M8	Z	0	0	0	%100
19	M9	X	-.277	-.277	0	%100
20	M9	Z	0	0	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	-.471	-.471	0	%100
24	M18	Z	0	0	0	%100
25	M19	X	-.471	-.471	0	%100
26	M19	Z	0	0	0	%100
27	M20A	X	-.516	-.516	0	%100
28	M20A	Z	0	0	0	%100
29	M21	X	-.516	-.516	0	%100
30	M21	Z	0	0	0	%100
31	M22	X	0	0	0	%100
32	M22	Z	0	0	0	%100
33	M26	X	-.471	-.471	0	%100
34	M26	Z	0	0	0	%100
35	M27	X	-.471	-.471	0	%100
36	M27	Z	0	0	0	%100
37	M28	X	0	0	0	%100
38	M28	Z	0	0	0	%100
39	M54	X	-.218	-.218	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
40	M54	Z	0	0	%100
41	M55	X	-0.749	-0.749	%100
42	M55	Z	0	0	%100
43	M55A	X	-0.187	-0.187	%100
44	M55A	Z	0	0	%100
45	M56	X	-0.218	-0.218	%100
46	M56	Z	0	0	%100
47	M57	X	-0.187	-0.187	%100
48	M57	Z	0	0	%100
49	MP1A	X	-0.628	-0.628	%100
50	MP1A	Z	0	0	%100
51	MP1B	X	-0.628	-0.628	%100
52	MP1B	Z	0	0	%100
53	MP1C	X	-0.628	-0.628	%100
54	MP1C	Z	0	0	%100
55	MP2A	X	-0.628	-0.628	%100
56	MP2A	Z	0	0	%100
57	MP2B	X	-0.628	-0.628	%100
58	MP2B	Z	0	0	%100
59	MP2C	X	-0.628	-0.628	%100
60	MP2C	Z	0	0	%100
61	MP4A	X	-0.628	-0.628	%100
62	MP4A	Z	0	0	%100
63	MP4B	X	-0.628	-0.628	%100
64	MP4B	Z	0	0	%100
65	MP4C	X	-0.628	-0.628	%100
66	MP4C	Z	0	0	%100
67	SP2	X	-0.484	-0.484	%100
68	SP2	Z	0	0	%100
69	SP1	X	-0.484	-0.484	%100
70	SP1	Z	0	0	%100
71	M71	X	-0.421	-0.421	%100
72	M71	Z	0	0	%100
73	M72	X	-0.263	-0.263	%100
74	M72	Z	0	0	%100
75	MP3A	X	-0.76	-0.76	%100
76	MP3A	Z	0	0	%100
77	M73A	X	-0.628	-0.628	%100
78	M73A	Z	0	0	%100
79	MP3B	X	-0.76	-0.76	%100
80	MP3B	Z	0	0	%100
81	M73	X	-0.628	-0.628	%100
82	M73	Z	0	0	%100
83	MP3C	X	-0.76	-0.76	%100
84	MP3C	Z	0	0	%100
85	M79	X	-0.628	-0.628	%100
86	M79	Z	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	-0.568	-0.568	%100
2	ASO	Z	-0.328	-0.328	%100
3	M1	X	-1.145	-1.145	%100
4	M1	Z	-0.661	-0.661	%100
5	M2	X	-1.145	-1.145	%100
6	M2	Z	-0.661	-0.661	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
7	M3	X	-72	-72	0 %100
8	M3	Z	-416	-416	0 %100
9	M4	X	-286	-286	0 %100
10	M4	Z	-165	-165	0 %100
11	M5	X	-286	-286	0 %100
12	M5	Z	-165	-165	0 %100
13	M6	X	-72	-72	0 %100
14	M6	Z	-416	-416	0 %100
15	M7	X	-286	-286	0 %100
16	M7	Z	-165	-165	0 %100
17	M8	X	-286	-286	0 %100
18	M8	Z	-165	-165	0 %100
19	M9	X	0	0	0 %100
20	M9	Z	0	0	0 %100
21	M17	X	-136	-136	0 %100
22	M17	Z	-078	-078	0 %100
23	M18	X	-544	-544	0 %100
24	M18	Z	-314	-314	0 %100
25	M19	X	-136	-136	0 %100
26	M19	Z	-078	-078	0 %100
27	M20A	X	-596	-596	0 %100
28	M20A	Z	-344	-344	0 %100
29	M21	X	-149	-149	0 %100
30	M21	Z	-086	-086	0 %100
31	M22	X	-149	-149	0 %100
32	M22	Z	-086	-086	0 %100
33	M26	X	-544	-544	0 %100
34	M26	Z	-314	-314	0 %100
35	M27	X	-136	-136	0 %100
36	M27	Z	-078	-078	0 %100
37	M28	X	-136	-136	0 %100
38	M28	Z	-078	-078	0 %100
39	M54	X	0	0	0 %100
40	M54	Z	0	0	0 %100
41	M55	X	-486	-486	0 %100
42	M55	Z	-281	-281	0 %100
43	M55A	X	0	0	0 %100
44	M55A	Z	0	0	0 %100
45	M56	X	-568	-568	0 %100
46	M56	Z	-328	-328	0 %100
47	M57	X	-486	-486	0 %100
48	M57	Z	-281	-281	0 %100
49	MP1A	X	-544	-544	0 %100
50	MP1A	Z	-314	-314	0 %100
51	MP1B	X	-544	-544	0 %100
52	MP1B	Z	-314	-314	0 %100
53	MP1C	X	-544	-544	0 %100
54	MP1C	Z	-314	-314	0 %100
55	MP2A	X	-544	-544	0 %100
56	MP2A	Z	-314	-314	0 %100
57	MP2B	X	-544	-544	0 %100
58	MP2B	Z	-314	-314	0 %100
59	MP2C	X	-544	-544	0 %100
60	MP2C	Z	-314	-314	0 %100
61	MP4A	X	-544	-544	0 %100
62	MP4A	Z	-314	-314	0 %100
63	MP4B	X	-544	-544	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
64	MP4B	Z	-.314	-.314	0 %100
65	MP4C	X	-.544	-.544	0 %100
66	MP4C	Z	-.314	-.314	0 %100
67	SP2	X	-.419	-.419	0 %100
68	SP2	Z	-.242	-.242	0 %100
69	SP1	X	-.419	-.419	0 %100
70	SP1	Z	-.242	-.242	0 %100
71	M71	X	-.249	-.249	0 %100
72	M71	Z	-.144	-.144	0 %100
73	M72	X	-.361	-.361	0 %100
74	M72	Z	-.208	-.208	0 %100
75	MP3A	X	-.658	-.658	0 %100
76	MP3A	Z	-.38	-.38	0 %100
77	M73A	X	-.544	-.544	0 %100
78	M73A	Z	-.314	-.314	0 %100
79	MP3B	X	-.658	-.658	0 %100
80	MP3B	Z	-.38	-.38	0 %100
81	M73	X	-.544	-.544	0 %100
82	M73	Z	-.314	-.314	0 %100
83	MP3C	X	-.658	-.658	0 %100
84	MP3C	Z	-.38	-.38	0 %100
85	M79	X	-.544	-.544	0 %100
86	M79	Z	-.314	-.314	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	ASO	X	-.109	-.109	0 %100
2	ASO	Z	-.189	-.189	0 %100
3	M1	X	-.496	-.496	0 %100
4	M1	Z	-.858	-.858	0 %100
5	M2	X	-.496	-.496	0 %100
6	M2	Z	-.858	-.858	0 %100
7	M3	X	-.554	-.554	0 %100
8	M3	Z	-.96	-.96	0 %100
9	M4	X	0	0	0 %100
10	M4	Z	0	0	0 %100
11	M5	X	0	0	0 %100
12	M5	Z	0	0	0 %100
13	M6	X	-.139	-.139	0 %100
14	M6	Z	-.24	-.24	0 %100
15	M7	X	-.496	-.496	0 %100
16	M7	Z	-.858	-.858	0 %100
17	M8	X	-.496	-.496	0 %100
18	M8	Z	-.858	-.858	0 %100
19	M9	X	-.139	-.139	0 %100
20	M9	Z	-.24	-.24	0 %100
21	M17	X	-.235	-.235	0 %100
22	M17	Z	-.408	-.408	0 %100
23	M18	X	-.235	-.235	0 %100
24	M18	Z	-.408	-.408	0 %100
25	M19	X	0	0	0 %100
26	M19	Z	0	0	0 %100
27	M20A	X	-.258	-.258	0 %100
28	M20A	Z	-.447	-.447	0 %100
29	M21	X	0	0	0 %100
30	M21	Z	0	0	0 %100



Company : GPD
 Designer : Karumanchi, Ujwala
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Member Distributed Loads (BLC 76 : Structure Wm (330 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
31	M22	X	-.258	-.258	0 %100
32	M22	Z	-.447	-.447	0 %100
33	M26	X	-.235	-.235	0 %100
34	M26	Z	-.408	-.408	0 %100
35	M27	X	0	0	0 %100
36	M27	Z	0	0	0 %100
37	M28	X	-.235	-.235	0 %100
38	M28	Z	-.408	-.408	0 %100
39	M54	X	-.109	-.109	0 %100
40	M54	Z	-.189	-.189	0 %100
41	M55	X	-.094	-.094	0 %100
42	M55	Z	-.162	-.162	0 %100
43	M55A	X	-.094	-.094	0 %100
44	M55A	Z	-.162	-.162	0 %100
45	M56	X	-.437	-.437	0 %100
46	M56	Z	-.757	-.757	0 %100
47	M57	X	-.374	-.374	0 %100
48	M57	Z	-.649	-.649	0 %100
49	MP1A	X	-.314	-.314	0 %100
50	MP1A	Z	-.544	-.544	0 %100
51	MP1B	X	-.314	-.314	0 %100
52	MP1B	Z	-.544	-.544	0 %100
53	MP1C	X	-.314	-.314	0 %100
54	MP1C	Z	-.544	-.544	0 %100
55	MP2A	X	-.314	-.314	0 %100
56	MP2A	Z	-.544	-.544	0 %100
57	MP2B	X	-.314	-.314	0 %100
58	MP2B	Z	-.544	-.544	0 %100
59	MP2C	X	-.314	-.314	0 %100
60	MP2C	Z	-.544	-.544	0 %100
61	MP4A	X	-.314	-.314	0 %100
62	MP4A	Z	-.544	-.544	0 %100
63	MP4B	X	-.314	-.314	0 %100
64	MP4B	Z	-.544	-.544	0 %100
65	MP4C	X	-.314	-.314	0 %100
66	MP4C	Z	-.544	-.544	0 %100
67	SP2	X	-.242	-.242	0 %100
68	SP2	Z	-.419	-.419	0 %100
69	SP1	X	-.242	-.242	0 %100
70	SP1	Z	-.419	-.419	0 %100
71	M71	X	-.039	-.039	0 %100
72	M71	Z	-.068	-.068	0 %100
73	M72	X	-.183	-.183	0 %100
74	M72	Z	-.317	-.317	0 %100
75	MP3A	X	-.38	-.38	0 %100
76	MP3A	Z	-.658	-.658	0 %100
77	M73A	X	-.314	-.314	0 %100
78	M73A	Z	-.544	-.544	0 %100
79	MP3B	X	-.38	-.38	0 %100
80	MP3B	Z	-.658	-.658	0 %100
81	M73	X	-.314	-.314	0 %100
82	M73	Z	-.544	-.544	0 %100
83	MP3C	X	-.38	-.38	0 %100
84	MP3C	Z	-.658	-.658	0 %100
85	M79	X	-.314	-.314	0 %100
86	M79	Z	-.544	-.544	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	M1	Y	-1.96	-5.058	0	2.333
2	M1	Y	-5.058	-7.193	2.333	4.667
3	M1	Y	-7.193	-7.779	4.667	7
4	M1	Y	-7.779	-7.193	7	9.333
5	M1	Y	-7.193	-5.058	9.333	11.667
6	M1	Y	-5.058	-1.96	11.667	14
7	M2	Y	-7.317	-7.317	.014	7.346
8	M3	Y	-8.408	-4.682	0	1.917
9	M3	Y	-4.682	-.955	1.917	3.833
10	M6	Y	-16.816	-9.363	0	1.917
11	M6	Y	-9.363	-1.911	1.917	3.833
12	M54	Y	-18.401	-18.401	0	1.917
13	ASO	Y	-10.367	-11.996	0	.5
14	ASO	Y	-11.996	-8.959	.5	1
15	ASO	Y	-8.959	-5.892	1	1.5
16	ASO	Y	-5.892	-7.46	1.5	2
17	M3	Y	-.073	-11.996	0	3.067
18	M7	Y	-3.123	-3.787	0	2
19	M7	Y	-3.787	-6.332	2	4
20	M7	Y	-6.332	-6.3	4	6
21	M7	Y	-6.3	-7.03	6	8
22	M7	Y	-7.03	-8.412	8	10
23	M7	Y	-8.412	-5.119	10	12
24	M7	Y	-5.119	-1.719	12	14
25	M8	Y	-9.79	-7.46	0	1.472
26	M8	Y	-7.46	-3.745	1.472	2.944
27	M8	Y	-3.745	-4.853	2.944	4.416
28	M8	Y	-4.853	-9.104	4.416	5.888
29	M8	Y	-9.104	-10.288	5.888	7.36
30	M9	Y	-10.162	-7.041	0	1.917
31	M9	Y	-7.041	-3.919	1.917	3.833
32	M71	Y	-9.799	-11.966	0	.733
33	M71	Y	-11.966	-14.133	.733	1.466
34	M72	Y	-16.177	-10.666	0	.5
35	M72	Y	-10.666	-3.726	.5	.999
36	M72	Y	-3.726	.459	.999	1.499
37	M4	Y	-1.96	-5.058	0	2.333
38	M4	Y	-5.058	-7.193	2.333	4.667
39	M4	Y	-7.193	-7.779	4.667	7
40	M4	Y	-7.779	-7.193	7	9.333
41	M4	Y	-7.193	-5.058	9.333	11.667
42	M4	Y	-5.058	-1.96	11.667	14
43	M5	Y	-7.317	-7.317	.014	7.346
44	M56	Y	-18.401	-18.401	2.533e-13	1.917

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	M1	Y	-2.101	-5.422	0	2.333
2	M1	Y	-5.422	-7.712	2.333	4.667
3	M1	Y	-7.712	-8.34	4.667	7
4	M1	Y	-8.34	-7.712	7	9.333
5	M1	Y	-7.712	-5.422	9.333	11.667
6	M1	Y	-5.422	-2.101	11.667	14
7	M2	Y	-7.845	-7.845	.014	7.346
8	M3	Y	-9.014	-5.019	0	1.917
9	M3	Y	-5.019	-1.024	1.917	3.833



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
10	M6	Y	-18.029	-10.039	0	1.917
11	M6	Y	-10.039	-2.048	1.917	3.833
12	M54	Y	-19.728	-19.728	0	1.917
13	ASO	Y	-11.114	-12.861	0	.5
14	ASO	Y	-12.861	-9.605	.5	1
15	ASO	Y	-9.605	-6.317	1	1.5
16	ASO	Y	-6.317	-7.998	1.5	2
17	M3	Y	-.078	-12.861	0	3.067
18	M7	Y	-3.348	-4.06	0	2
19	M7	Y	-4.06	-6.788	2	4
20	M7	Y	-6.788	-6.754	4	6
21	M7	Y	-6.754	-7.537	6	8
22	M7	Y	-7.537	-9.018	8	10
23	M7	Y	-9.018	-5.488	10	12
24	M7	Y	-5.488	-1.843	12	14
25	M8	Y	-10.496	-7.998	0	1.472
26	M8	Y	-7.998	-4.015	1.472	2.944
27	M8	Y	-4.015	-5.203	2.944	4.416
28	M8	Y	-5.203	-9.761	4.416	5.888
29	M8	Y	-9.761	-11.03	5.888	7.36
30	M9	Y	-10.894	-7.548	0	1.917
31	M9	Y	-7.548	-4.202	1.917	3.833
32	M71	Y	-10.505	-12.828	0	.733
33	M71	Y	-12.828	-15.152	.733	1.466
34	M72	Y	-17.343	-11.435	0	.5
35	M72	Y	-11.435	-3.994	.5	.999
36	M72	Y	-3.994	.492	.999	1.499
37	M4	Y	-2.101	-5.422	0	2.333
38	M4	Y	-5.422	-7.712	2.333	4.667
39	M4	Y	-7.712	-8.34	4.667	7
40	M4	Y	-8.34	-7.712	7	9.333
41	M4	Y	-7.712	-5.422	9.333	11.667
42	M4	Y	-5.422	-2.101	11.667	14
43	M5	Y	-7.845	-7.845	.014	7.346
44	M56	Y	-19.728	-19.728	2.533e-13	1.917

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N1	N2	N3	N4	Y	Two Way	-.01
2	N1	N4	N45	N44	Y	Two Way	-.01
3	N44	N2	N3	N45	Y	Two Way	-.01

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N1	N2	N3	N4	Y	Two Way	-.011
2	N1	N4	N45	N44	Y	Two Way	-.011
3	N44	N2	N3	N45	Y	Two Way	-.011

Envelope Joint Reactions

Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC	
1	N97A	max	2030.199	9	2668.119	19	1395.039	1	-2.598	1	1.537	8	1.019	29
2		min	-2022.366	3	1164.201	1	-1815.732	7	-6.514	19	-1.529	2	-4.98	50
3	N96A	max	1954.959	10	2353.816	23	2085.3	12	2.948	13	1.426	12	-1.691	28



Envelope Joint Reactions (Continued)

Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC	
4		min	-1557.32	4	829.562	29	-1864.276	6	.989	31	-1.442	6	-4.998	22
5	N99A	max	1516.614	10	2502.17	14	2307.8	2	2.897	13	1.48	8	5.429	16
6		min	-1923.064	4	968.152	50	-2108.903	8	1.075	50	-1.499	2	2.052	50
7	Totals:	max	5336.979	10	7478.782	17	5650.214	1						
8		min	-5336.974	4	3602.735	11	-5650.214	7						

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

Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	LC	phi*P	phi*P	phi*	phi*	Eqn		
1	M7	L3X3X4	.839	7	19	.263	2.333	y	27	9336...	46656	1.688	2.82	H2-1
2	M1	L3X3X4	.802	7	11	.109	7	y	17	9336...	46656	1.688	2.506	H2-1
3	M4	L3X3X4	.771	7	15	.112	7	y	21	9336...	46656	1.688	2.8	H2-1
4	M19	PIPE 2.0	.439	8.156	14	.101	5.062		14	5397...	32130	1.872	1.872	H1-...
5	M17	PIPE 2.0	.432	8.156	18	.102	5.063		19	5397...	32130	1.872	1.872	H1-...
6	M55	HSS4X4X4	.429	.833	20	.125	.833	y	29	1391...	1395...	16.181	16.181	H1-...
7	MP2C	PIPE 2.0	.423	3.25	14	.125	3.25		22	2086...	32130	1.872	1.872	H1-...
8	M18	PIPE 2.0	.421	8.156	22	.105	5.062		23	5397...	32130	1.872	1.872	H1-...
9	MP2A	PIPE 2.0	.419	3.25	18	.131	4.75		32	2086...	32130	1.872	1.872	H1-...
10	M57	HSS4X4X4	.407	.833	14	.105	.833	y	30	1391...	1395...	16.181	16.181	H1-...
11	MP2B	PIPE 2.0	.381	3.25	23	.111	3.25		18	2086...	32130	1.872	1.872	H1-...
12	M55A	HSS4X4X4	.380	.833	22	.079	.833	y	50	1391...	1395...	16.181	16.181	H1-...
13	M8	L3X3X4	.336	3.68	17	.018	3.68	y	13	2809...	46656	1.688	3.191	H2-1
14	M5	L3X3X4	.325	3.68	29	.018	3.68	y	22	2809...	46656	1.688	3.201	H2-1
15	MP4C	PIPE 2.0	.323	3.25	31	.150	4.5		16	2086...	32130	1.872	1.872	H1-...
16	MP1A	PIPE 2.0	.320	3.25	49	.103	3.25		49	2086...	32130	1.872	1.872	H1-...
17	MP4A	PIPE 2.0	.309	3.25	50	.145	4.5		20	2086...	32130	1.872	1.872	H1-...
18	MP1B	PIPE 2.0	.297	3.25	50	.098	3.25		50	2086...	32130	1.872	1.872	H1-...
19	M2	L3X3X4	.289	3.68	22	.016	3.68	y	18	2809...	46656	1.688	3.177	H2-1
20	MP3B	PIPE 2.5	.269	3.573	11	.093	3.646		11	3396...	50715	3.596	3.596	H1-...
21	MP3C	PIPE 2.5	.267	3.573	2	.092	3.646		3	3396...	50715	3.596	3.596	H1-...
22	MP3A	PIPE 2.5	.264	3.573	6	.091	3.646		7	3396...	50715	3.596	3.596	H1-...
23	MP1C	PIPE 2.0	.252	3.25	25	.095	3.25		13	2086...	32130	1.872	1.872	H1-...
24	MP4B	PIPE 2.0	.221	3.25	16	.133	4.5		24	2086...	32130	1.872	1.872	H1-...
25	ASO	HSS4.5X4.5X4	.211	2	22	.101	2	z	29	1569...	1589...	20.907	20.907	H1-...
26	M56	HSS4.5X4.5X4	.206	2	18	.085	2	z	30	1569...	1589...	20.907	20.907	H1-...
27	M73A	PIPE 2.0	.201	3.25	20	.065	3.25		7	2086...	32130	1.872	1.872	H1-...
28	M79	PIPE 2.0	.197	3.25	16	.066	3.25		3	2086...	32130	1.872	1.872	H1-...
29	M73	PIPE 2.0	.197	3.25	12	.067	3.25		11	2086...	32130	1.872	1.872	H1-...
30	M54	HSS4.5X4.5X4	.191	2	14	.065	2	z	50	1569...	1589...	20.907	20.907	H1-...
31	M72	PIPE 2.0	.140	1.499	8	.098	1.499		5	2770...	33048	1.676	1.676	H1-...
32	M3	LL3x3x4x0	.122	3.833	6	.016	0	z	6	7734...	93312	6.48	4.364	H1-...
33	M6	LL3x3x4x0	.116	3.833	10	.015	0	z	10	7734...	93312	6.48	4.364	H1-...
34	SP2	PIPE 2.0	.098	0	8	.043	0		6	2981...	32130	1.872	1.872	H1-...
35	SP1	PIPE 2.0	.098	0	8	.043	0		6	2981...	32130	1.872	1.872	H1-...
36	M9	LL3x3x4x0	.086	3.833	2	.051	0	y	34	7734...	93312	6.48	4.364	H1-...
37	M71	PIPE 2.0	.086	.733	8	.074	.733		3	2789...	33048	1.676	1.676	H1-...
38	M20A	L2.5x2.5x4	.062	.75	2	.058	.75	z	27	3785...	38556	1.114	2.537	H2-1
39	M21	L2.5x2.5x4	.060	.75	15	.071	.75	z	30	3785...	38556	1.114	2.537	H2-1
40	M22	L2.5x2.5x4	.055	.75	23	.055	.75	z	50	3785...	38556	1.114	2.537	H2-1
41	M26	PIPE 2.0	.036	3.25	5	.016	0		43	1936...	32130	1.872	1.872	H1-...
42	M28	PIPE 2.0	.036	3.25	1	.011	0		2	1936...	32130	1.872	1.872	H1-...
43	M27	PIPE 2.0	.036	3.25	21	.010	6.5		11	1936...	32130	1.872	1.872	H1-...

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – **Passing Mount Analysis**

Purpose – to provide GPD 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 GPD 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.vzsmart.com> as depicted on the drawings

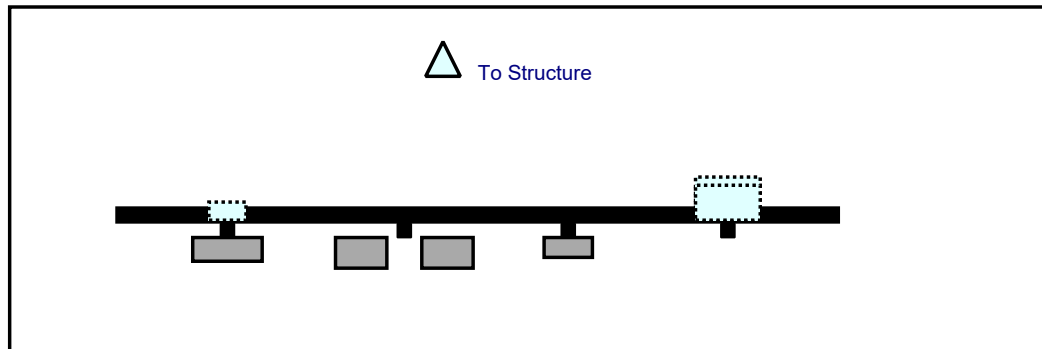
Photo Requirements:

- 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

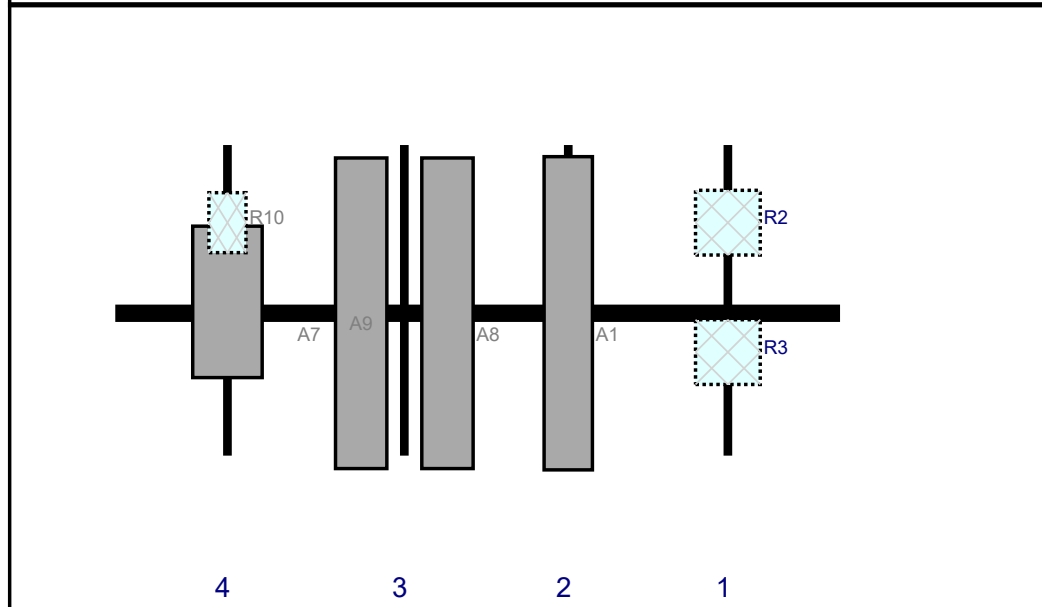
Schedule A – Photo & Document File Structure

-  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

Plan View

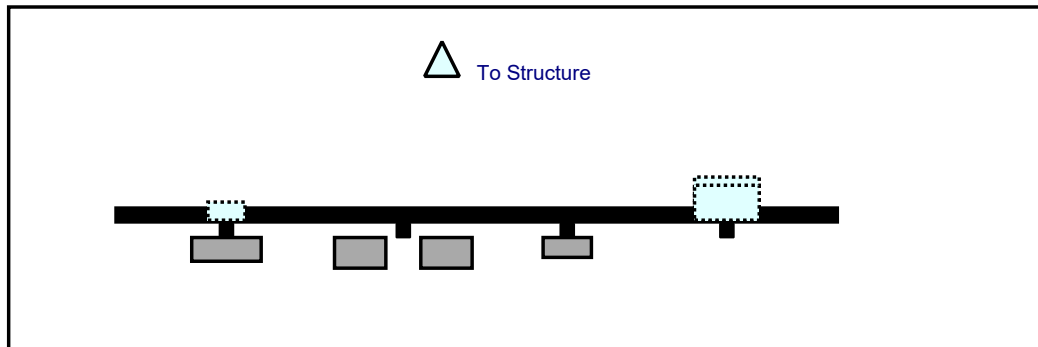


Front View
Looking at Structure

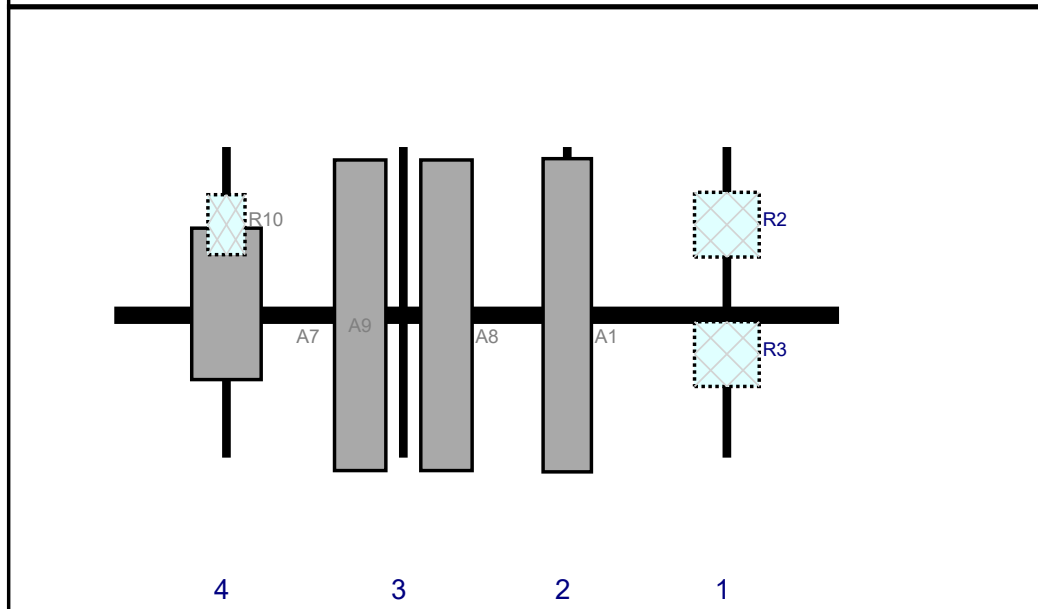


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	142	1	a	Behind	18	0	Retained	03/24/2021
R3	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	142	1	a	Behind	48	0	Retained	03/24/2021
A1	BXA-80080/6CF	72.6	11.2	105	2	a	Front	39	0	Retained	03/24/2021
A7	NHH-65B-R2B	72	11.9	67	3	a	Front	39	-10	Added	
A8	NHHSS-65B-R2BT2	72	11.9	67	3	b	Front	39	10	Added	
A9	MT6407-77A	35.1	16.1	26	4	a	Front	36.36	0	Added	
R10	CBRS RRH - RT4401-48A	13.9	8.6	26	4	a	Behind	18	0	Added	

Plan View

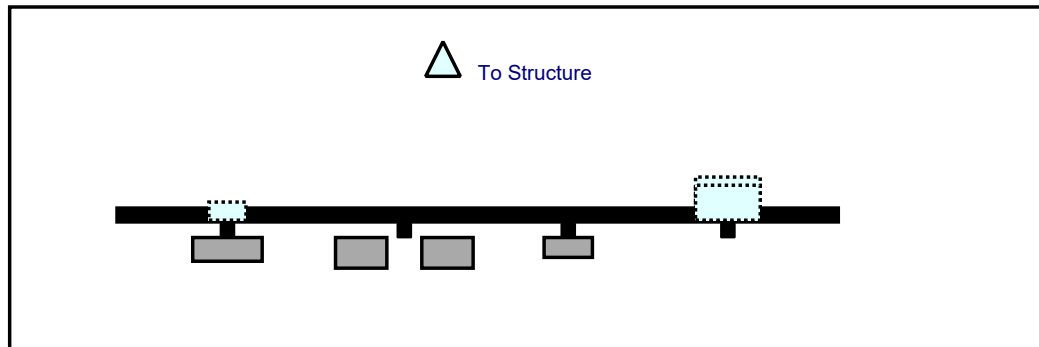


Front View
Looking at Structure

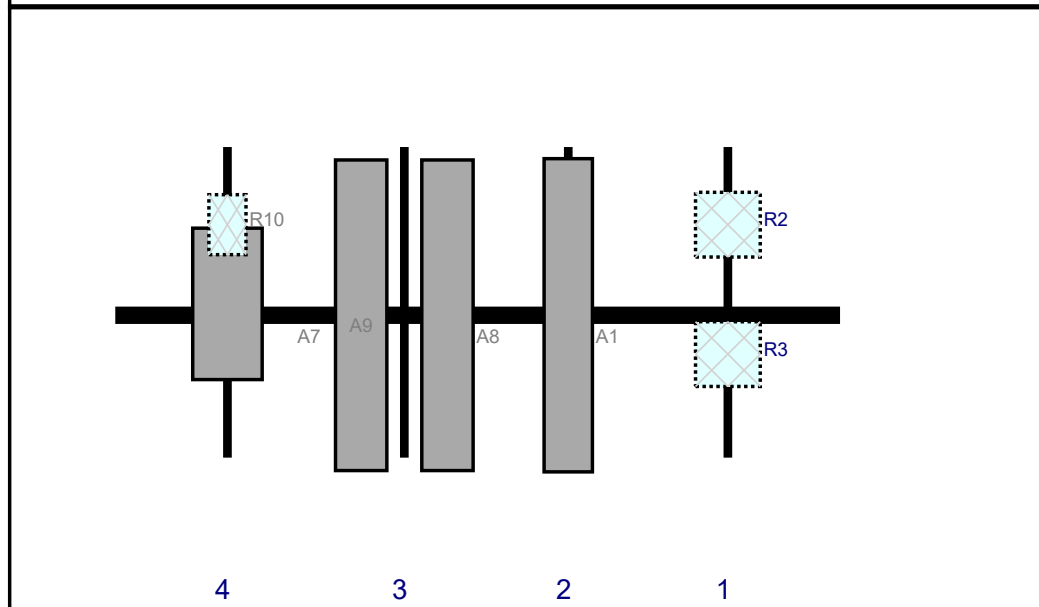


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	142	1	a	Behind	18	0	Retained	03/24/2021
R3	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	142	1	a	Behind	48	0	Retained	03/24/2021
A1	BXA-80080/6CF	72.6	11.2	105	2	a	Front	39	0	Retained	03/24/2021
A7	NHH-65B-R2B	72	11.9	67	3	a	Front	39	-10	Added	
A8	NHHSS-65B-R2BT2	72	11.9	67	3	b	Front	39	10	Added	
A9	MT6407-77A	35.1	16.1	26	4	a	Front	36.36	0	Added	
R10	CBRS RRH - RT4401-48A	13.9	8.6	26	4	a	Behind	18	0	Added	

Plan View



Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	142	1	a	Behind	18	0	Retained	03/24/2021
R3	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	142	1	a	Behind	48	0	Retained	03/24/2021
A1	BXA-80080/6CF	72.6	11.2	105	2	a	Front	39	0	Retained	03/24/2021
A7	NHH-65B-R2B	72	11.9	67	3	a	Front	39	-10	Added	
A8	NHHSS-65B-R2BT2	72	11.9	67	3	b	Front	39	10	Added	
A9	MT6407-77A	35.1	16.1	26	4	a	Front	36.36	0	Added	
R10	CBRS RRH - RT4401-48A	13.9	8.6	26	4	a	Behind	18	0	Added	

Subject TIA-222-H Usage

Site Information Site ID: 469273-VZW / SOUTHINGTON CT
Site Name: SOUTHINGTON CT
Carrier Name: Verizon Wireless
Address: 625 Spring St., Southington, Connecticut 06489, Hartford County
Latitude: 41.632472°
Longitude: -72.894250°

Structure Information Tower Type: Monopole
Mount Type: 14.00-Ft Platform Mount

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,

GPD Group



Christopher J. Scheks, P.E.
Connecticut #: 30026

Exhibit F

Power Density/RF Emissions Report

Site Name: **SOUTHINGTON 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	705	2820	132	0.0058
VZW CDMA	869	2	396	792	132	0.0016
VZW Cellular	869	4	697	2788	132	0.0058
VZW PCS	1980	4	1532	6128	132	0.0126
VZW AWS	2125	4	1496	5984	132	0.0124
VZW CBAND	3730	4	6531	26124	132	0.0539
VZW CBRS	3625	4	12	48	132	0.0001

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 Council

MHz = Megahertz

mW/cm² = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.

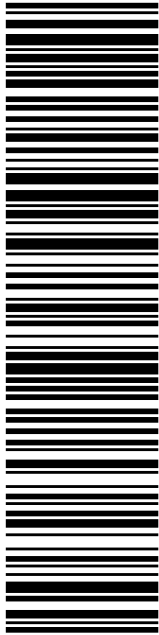
Maximum Permissible Exposure*	Fraction of MPE
(mW/cm ²)	(%)
0.5007	1.16%
0.5793	0.28%
0.5793	0.99%
1.0000	1.26%
1.0000	1.24%
1.0000	5.39%
1.0000	0.01%
	10.34%

/IEEE C95.1-1992

It's November 10, 2015 Memorandum for Exempt Modification filing:

Exhibit F

Recipient Mailings



USPS TRACKING #

9405 5036 9930 0049 6813 68

Electronic Rate Approved #038555749

SHIP TO:

SARAH SNELL
1800 W PARK DR
WESTBOROUGH MA 01581-3926

P

11/01/2021

USPS.com
US POSTAGE
Flat Rate Env
\$8.70

9405 5036 9930 0049 6813 68 0087 0000 0010 1581

Mailed from 01566

U.S. POSTAGE PAID
click-n-ship®

PRIORITY MAIL 1-DAY™

Expected Delivery Date: 11/02/21
Ret#: CR-876334
0006

C006



Cut on dotted line.

Instructions

- 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.
- Place your label so it does not wrap around the edge of the package.
- 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.
- 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.
- Mail your package on the "Ship Date" you selected when creating this label.

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0049 6813 68

Trans. #: 547340128	Priority Mail® Postage: \$8.70
Print Date: 11/01/2021	Total: \$8.70
Ship Date: 11/01/2021	
Expected Delivery Date: 11/02/2021	

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

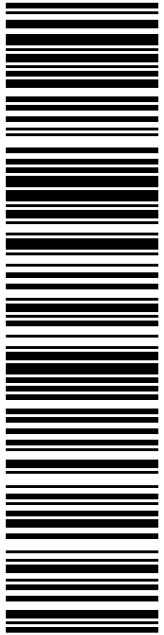
Ref#: CR-876334

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



USPS TRACKING #

9405 5036 9930 0049 6813 75

Electronic Rate Approved #038555749

SHIP

TO: MARK J SCIOTA
SOUTHINGTON TOWN MANAGER
75 MAIN ST
SOUTHINGTON CT 06489-2504

P

PRIORITY MAIL 2-DAY™

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

Expected Delivery Date: 11/04/21
Ref#: CR-876334
0004

C019

UNITED STATES POSTAL SERVICE®

Click-N-Ship®

U.S. POSTAGE PAID
click-n-ship®

Mailed from 01566

11/01/2021

USPS.com 9405 5036 9930 0049 6813 75 0162 5000 0010 6489
US POSTAGE \$16.25
MD Flat Rate Box



Cut on dotted line.

Instructions

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2. Place your label so it does not wrap around the edge of the package.
3. Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.
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5. Mail your package on the "Ship Date" you selected when creating this label.

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0049 6813 75

Trans. #: 547340128	Priority Mail® Postage: \$16.25
Print Date: 11/01/2021	Total: \$16.25
Ship Date: 11/01/2021	
Expected Delivery Date: 11/04/2021	


From: DEBORAH CHASE Ref#: CR-876334
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

To: MARK J SCIOTA
SOUTHINGTON TOWN MANAGER
75 MAIN ST
SOUTHINGTON CT 06489-2504

* 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



**UNITED STATES
POSTAL SERVICE®**

Click-N-Ship®

P

usps.com 9405 5036 9930 0049 6813 82 0162 5000 0010 6489
US POSTAGE \$16.25
 MD Flat Rate Box

U.S. POSTAGE PAID
click-n-ship®

11/01/2021 Mailed from 01566

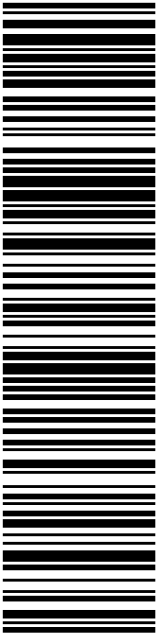
PRIORITY MAIL 2-DAY™

Expected Delivery Date: 11/04/21
 Ref#: CR-876334
0004

C020

SHIP TO: MATTHEW A REIMONDO
 SOUTHINGTON ZONING ENFORCEMENT OFFICER
 196 N MAIN ST
 # 200
 SOUTHINGTON CT 06489-2514

USPS TRACKING #



9405 5036 9930 0049 6813 82

Electronic Rate Approved #038555749



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

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0049 6813 82

Trans. #: 547340128	Priority Mail® Postage: \$16.25
Print Date: 11/01/2021	Total: \$16.25
Ship Date: 11/01/2021	
Expected Delivery Date: 11/04/2021	

From: DEBORAH CHASE Ref#: CR-876334
 NORTHEAST SITE SOLUTIONS
 420 MAIN ST
 STE 1
 STURBRIDGE MA 01566-1359

To: MATTHEW A REIMONDO
 SOUTHINGTON ZONING ENFORCEMENT OFFICER
 196 N MAIN ST
 # 200
 SOUTHINGTON CT 06489-2514

* 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

876334



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 6813 68	1		\$0.00
Prepaid Mail Southington, CT 06489 Weight: 1 lb 14.40 oz Acceptance Date: Wed 11/03/2021 Tracking #: 9405 5036 9930 0049 6813 75	1		\$0.00
Prepaid Mail Southington, CT 06489 Weight: 1 lb 14.50 oz Acceptance Date: Wed 11/03/2021 Tracking #: 9405 5036 9930 0049 6813 82	1		\$0.00
Grand Total:			\$0.00

USPS is experiencing unprecedented volume
increases and limited employee
availability due to the impacts of
COVID-19.