



Crown Castle
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065

August 17, 2020

Melanie A. Bachman
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

**RE: Notice of Exempt Modification for T-Mobile:
842873 - T-Mobile Site ID: CTF531A
30 Oliver Terrace, Shelton, CT 06484
Latitude: 41° 17' 38.21" / Longitude: -73° 6' 25.83"**

Dear Ms. Bachman:

T-Mobile currently maintains nine (9) antennas at the 120-foot mount on the existing 140-foot Monopole Tower, located at 30 Oliver Terrace, Shelton, CT. The tower is owned by Crown Castle and the property is owned by Brennan Realty LLC. T-Mobile now intends to add three (3) new 2500/2500 MHz antennas. The new antennas will be installed at the 120-ft level of the tower. T-Mobile is also proposing tower mount modifications, as shown on the enclosed mount analysis.

Planned Modifications:

Tower:

Remove:

(4) 1 5/8" Coax

Install New:

(1) 1 3/8" Hybrid Fiber Line
(3) AIR6449 B41 Antenna 2500/2500 MHz
(3) RRU 4415 B25

Existing to Remain:

(12) 1 5/8" Coax
(2) Fiber line
(3) AIR32_B66A_B2A Antenna 1900/2100 MHz
(3) RFS-APX16DWV-16DWVS-E-A20 Antenna 1900/2100 MHz
(3) RFS-APXVAARR24_43-U-NA20 Antenna 600/700/1900 MHz
(3) Radio 4449 B71/B12
(6) TMA

Ground:

Replacement of existing ground cabinet.
Upgrade existing breakers.

The facility was approved by the Connecticut Siting Council in Petition 608 on March 25, 2003. This approval was given without conditions which could be violated by this exempt modification.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-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. § 16-50j-73, a copy of this letter is being sent to Mark Lauretti, Mayor for the City of Shelton, Alexander Rosetti, Planning & Zoning Administrator, Brennan Realty LLC as the property owner and Crown Castle is the tower owner.

1. The proposed modifications will not result in an increase in the height of the existing tower.
2. The proposed modifications will not require the extension of the site boundary.
3. The proposed modification 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 Communication 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, T-Mobile respectfully submits that the proposed modifications to the above-reference telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2). Please send approval/rejection letter to Attn: Anne Marie Zsamba.

Sincerely,

Anne Marie Zsamba
Site Acquisition Specialist
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065
(201) 236-9224
AnneMarie.Zsamba@crowncastle.com

Attachments

cc:

The Honorable Mark Lauretti, Mayor (*via email only to shelton01@cityofshelton.org*)
City Hall, Room 202
54 Hill Street
Shelton, CT 06484

Melanie A. Bachman

Page 3

Alexander Rosetti, Planning & Zoning Administrator (*via email only to a.castro@cityofshelton.org*)
City Hall, Third Floor
54 Hill Street
Shelton, CT 06484

Brennan Realty LLC, Property Owner
70 Platt Road
PO Box 788
Shelton, CT 06484

Crown Castle, Tower Owner

ORIGIN ID: SCHA (518) 350-3639
ANNE MARIE ZSAMBRA
CROWN CASTLE
21 HEATHER DRIVE
GANSEVOORT, NY 12831

SHIP DATE: 17AUG20
ACTWGT: 1.00 LB
CAD: 104924194/INET4280

UNITED STATES US

BILL SENDER

TO **BRENNAN REALTY LLC**

70 PLATT ROAD

PO BOX 788

SHELLTON CT 06484

(518) 373-3543 REF: 1734.7890
INV/ DEPT:
PO:

56BJ27709/B766



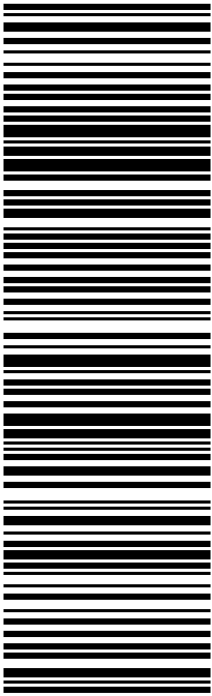
J202020071401uv

TRK# 7712 7826 5707
0201

TUE - 18 AUG 10:30A
PRIORITY OVERNIGHT

EB CIVA

06484
CT-US BDL



After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

From: [Zsamba, Anne Marie](#)
To: ["shelton01@cityofshelton.org"](mailto:shelton01@cityofshelton.org)
Subject: Notice of Exempt Modification - T-Mobile - 30 Oliver Terrace
Date: Monday, August 17, 2020 1:29:00 PM
Attachments: [EM T-MOBILE 30 Oliver Terrace Shelton 842873 CTF531A notice.pdf](#)

Dear Mayor Lauretti:

Attached please find T-Mobile's exempt modification application that is being submitted to the Connecticut Siting Council, today Monday, August 17, 2020.

In light of the present circumstances with Covid-19, The Council has advised that electronic notification of this filing is acceptable. If you could kindly confirm receipt. Thank you.

Best,
Anne Marie Zsamba

ANNE MARIE ZSAMBA
Site Acquisition Specialist
T: (201) 236-9224
M: (518) 350-3639
F: (724) 416-6112

CROWN CASTLE
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065
CrownCastle.com

From: [Zsamba, Anne Marie](#)
To: ["a.castro@cityofshelton.org"](mailto:a.castro@cityofshelton.org)
Subject: Notice of Exempt Modification - T-Mobile - 30 Oliver Terrace
Date: Monday, August 17, 2020 1:33:00 PM
Attachments: [EM T-MOBILE 30 Oliver Terrace Shelton 842873 CTF531A notice.pdf](#)

Dear Mr. Rosetti:

Attached please find T-Mobile's exempt modification application that is being submitted to the Connecticut Siting Council, today Monday, August 17, 2020.

In light of the present circumstances with Covid-19, The Council has advised that electronic notification of this filing is acceptable. If you could kindly confirm receipt. Thank you.

Best,
Anne Marie Zsamba

ANNE MARIE ZSAMBA
Site Acquisition Specialist
T: (201) 236-9224
M: (518) 350-3639
F: (724) 416-6112

CROWN CASTLE
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065
CrownCastle.com

Exhibit A

Original Facility Approval

Petition No. 608
AT&T Wireless PCS, LLC
Shelton, Connecticut
Staff Report
March 25, 2003

On February 4, 2003, Connecticut Siting Council (Council) member Gerald Heffernan and Robert Mercier of Council staff met with AT&T Wireless PCS, Inc. (AT&T) representative Christopher Fisher at 70 Platt Road in Shelton to review this petition. AT&T proposes to replace an existing 75-foot monopole with a 100-foot monopole 275 feet west of its existing location. AT&T is petitioning the Council for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need (Certificate) is required for the tower replacement and relocation.

The existing monopole is owned by the John J. Brennan Construction Company and is located adjacent to an office/garage building. The existing monopole, with a base diameter of 8 inches tapering to 4 inches at the top, has limited structural capability and supports one whip antenna extending to a height of 81 feet above ground level. The proposed 100-foot replacement tower would be located approximately 275 feet west of the existing tower, adjacent to a warehouse building in an area used for equipment storage.

The new tower would have a base diameter of 3.5 feet tapering to 1.5 feet at the top and would be designed to support three antenna platforms and the whip antenna. AT&T would place 6 panel antennas at the 95-foot level of the tower. The whip antenna would be placed at the top of the tower and would extend to a height of 107 feet above ground level. Nextel and Sprint intend on locating on the tower at the 85-foot and 75-foot levels at a future date. The existing monopole would be removed once the new tower is operational.

AT&T would install equipment cabinets on a concrete pad within a fenced compound at the base of the tower. Compound expansion would be necessary to accommodate future carriers. Utilities would be installed underground from a utility pole on Oliver Terrace, an abutting street.

The proposed site is located in an industrial and commercial area adjacent to Route 8. A residence is located approximately 200 feet north of the proposed tower site. A band of mature trees along the north property boundary would provide some screening of views from Platt Road and the adjacent residence.

The worst-case power density for the telecommunications operations at the site has been calculated to be 4.3% of the applicable standard for uncontrolled environments.

Exhibit B

Property Card

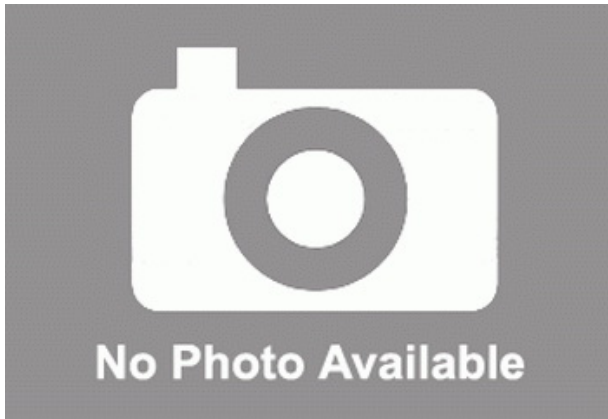


Property Information

Owner	BRENNAN REALTY LLC
Address	30 OLIVER TERR
Mailing Address	PO BOX 788 70 PLATT RD 06484
Land Use	- RESIDENTIAL
Land Class	3-2

Census Tract	1102
Neighborhood	
Zoning	IA-2
Acreage	1.18
Utilities	GAS/ELECTRIC
Lot Setting/ Desc	/

Photo



PARCEL VALUATIONS (Assessed value = 70% of Appraised Value)

	Appraised	Assessed
Buildings		
Outbuildings		
Improvements		
Extras		
Land		
Total	238000	166600
Previous		

Construction Details

Year Built	
Stories	
Building Style	
Building Use	
Building Condition	
Total Rooms	
Bedrooms	
Full Bathrooms	
Half Bathrooms	
Bath Style	
Kitchen Style	
Roof Style	
Roof Cover	

EXTERIOR WALLS:

Primary	
Secondary	

INTERIOR WALLS:

Primary	
Secondary	

FLOORS:

Primary	
Secondary	

HEATING/AC:

Heating Type	
Heating Fuel	
AC Type	

BUILDING AREA:

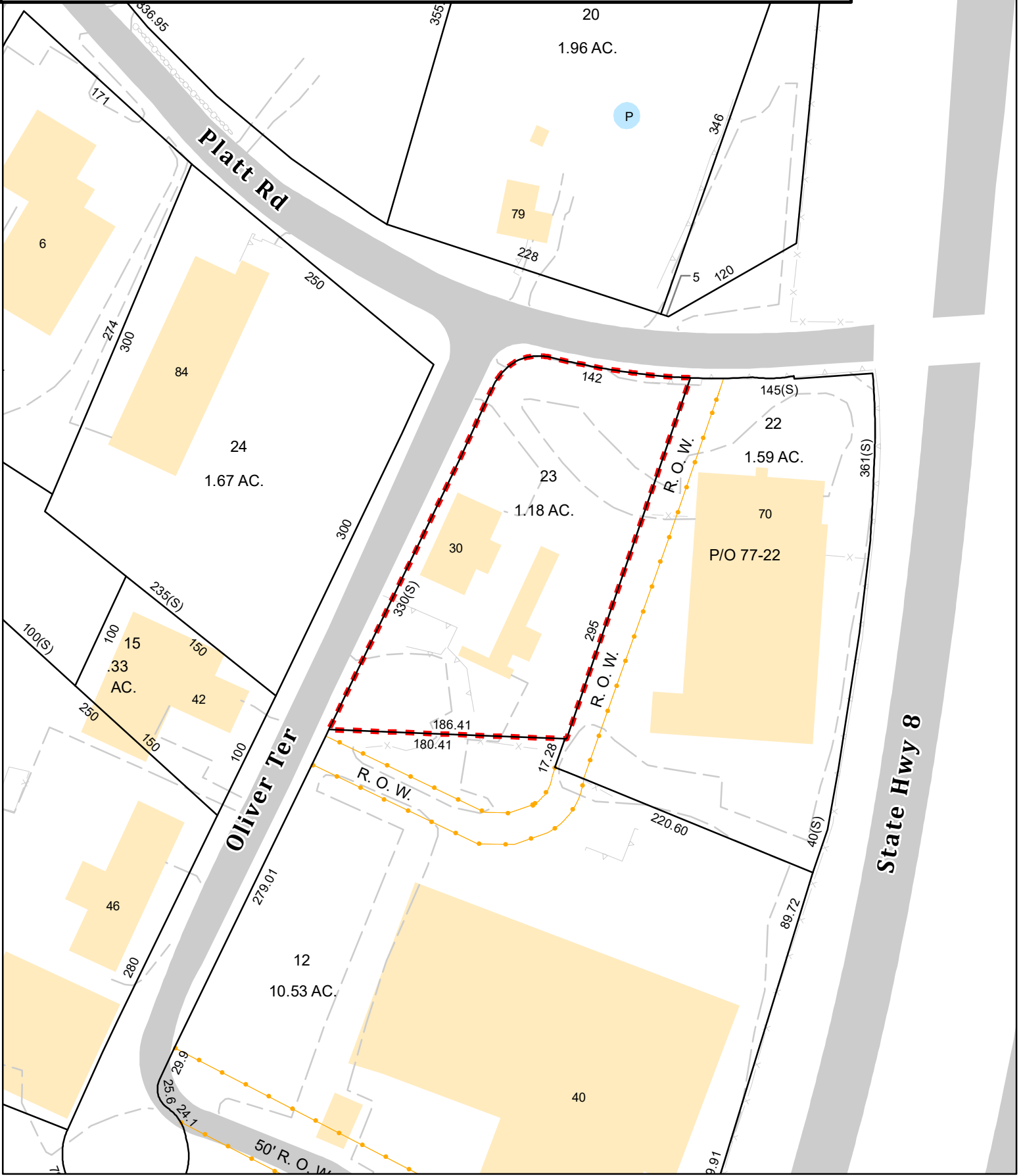
Effective Building Area	
Gross Building Area	
Total Living Area	

SALES HISTORY:

Sale Date	20040702
Sale Price	0
Book/ Page	2400/316-2



City of Shelton, Connecticut - Parcel Map
Parcels: 77.-23 **Address: 30 OLIVER TERR**



Approximate Scale: 1:1,200
 50 0 50 100 Feet

Map Produced
 April 2017

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

Exhibit C

Construction Drawings

T-Mobile

T-MOBILE SITE NUMBER: CTFF531A
T-MOBILE SITE NAME: SHELTON_RT8-AT&T
SITE TYPE: MONOPOLE
TOWER HEIGHT: 140'-0"

BUSINESS UNIT #: 842873
SITE ADDRESS: 30 OLIVER TERRACE
 SHELTON, CT 06484
COUNTY: FAIRFIELD
JURISDICTION: CITY OF SHELTON

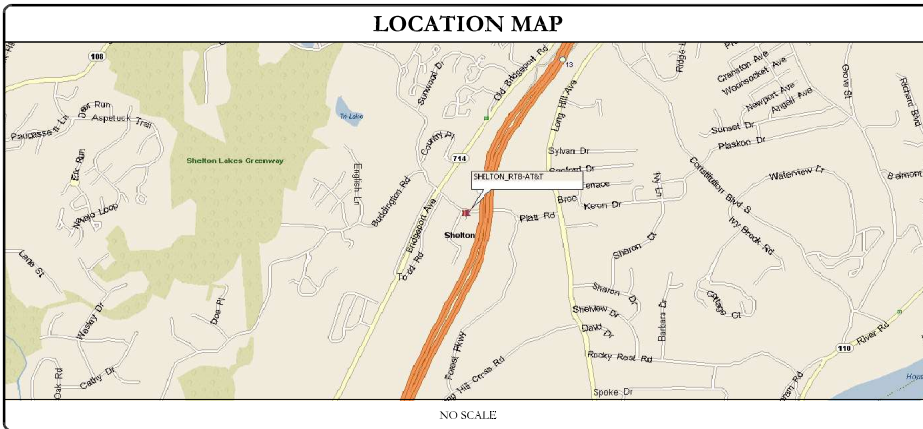
T-MOBILE ANCHOR SITE CONFIGURATION: 67D5A994DB



T-MOBILE SITE NUMBER:
CTFF531A
BU #: 842873
SHELTON NE
 30 OLIVER TERRACE
 SHELTON, CT 06484
 EXISTING
 140'-0" MONOPOLE

SITE INFORMATION	
CROWN CASTLE USA INC.	SHELTON NE
SITE NAME:	
SITE ADDRESS:	30 OLIVER TERRACE SHELTON, CT 06484
COUNTY:	FAIRFIELD
MAP/PARCEL #:	77-23
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.294600°
LONGITUDE:	73.107800°
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	311 FT
CURRENT ZONING:	N/A
JURISDICTION:	CITY OF SHELTON
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	HIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	BRENNAN REALTY 70 PLATT ROAD SHELTON, CT 06484
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	T-MOBILE 35 GRUFFIN ROAD BLOOMFIELD, CT 06002
ELECTRIC PROVIDER:	NOT PROVIDED
TELCO PROVIDER:	NOT PROVIDED

DRAWING INDEX	
SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
G-1-1	OVERALL SITE PLAN
C-1-2	SITE PLAN & ENLARGED SITE PLAN
C-2	FINAL ELEVATION & ANTENNA PLANS
C-3	ANTENNA & CABLE SCHEDULE
C-4	PLUMBING DIAGRAM
C-5	EQUIPMENT SPECS
E-1	AC PANEL SCHEDULES & ONE LINE DIAGRAM
G-1	ANTENNA GROUNDING DIAGRAM
G-2	GROUNDING DETAILS
G-3	GROUNDING DETAILS
ATTACHED	MOUNT MODIFICATION SPECS
ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 64336. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.	



PROJECT DESCRIPTION	
THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.	
TOWER SCOPE OF WORK:	
<ul style="list-style-type: none"> REMOVE (4) 1 5/8" COAX CABLES INSTALL (3) ANTENNAS INSTALL (3) RRHs INSTALL (1) 6x12 HYBRID CABLE 	
GROUND SCOPE OF WORK:	
<ul style="list-style-type: none"> REMOVE (1) 3106 CABINET INSTALL (1) AAV CABINET INSTALL (1) SSC6169 CABINET INSTALL (1) B160 BATTERY CABINET INSTALL (3) BB 6630 INSTALL (1) BB 6648 UPGRADE BTS CABINET BREAKER 	
NOTE: PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER	

APPLICABLE CODES/REFERENCE DOCUMENTS	
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:	
CODE TYPE	CODE
BUILDING	2018 CT STATE BUILDING CODE
MECHANICAL	2018 CT STATE MECHANICAL CODE
ELECTRICAL	2017 NEC
REFERENCE DOCUMENTS:	
STRUCTURAL ANALYSIS:	BY OTHERS
DATE:	
MOUNT ANALYSIS:	POWER OF DESIGN
DATE:	JUNE 11, 2020
RFDS REVISION:	6
DATE:	5/11/20
ORDER ID:	524462
REVISION:	1

APPROVALS		
APPROVAL	SIGNATURE	DATE
PROPERTY OWNER OR REP.	_____	_____
LAND USE PLANNER	_____	_____
T-MOBILE	_____	_____
OPERATIONS	_____	_____
RF	_____	_____
NETWORK	_____	_____
BACKHAUL	_____	_____
CONSTRUCTION MANAGER	_____	_____
THE PARTIES ABOVE HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND ANY CHANGES AND MODIFICATIONS THEY MAY IMPOSE.		

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES/QA
0	7/13/20	STH	CONSTRUCTION	EMC
1	8/3/20	MTJ	CONSTRUCTION	GDM

B&T ENGINEERING, INC.
 PEC.0001564
 Expires 2/10/21
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER:	REVISION:
T-1	1

139809_842873_Shelton_NE.dwg - Sheet T-1 - User: mjones - Aug. 03, 2020 - 10:12am

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

- 1. NOTICE TO PROCEED - NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (ORDER) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800-788-7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
2. LOOK UP - CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENTS: 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 EQUIPMENT INSTALLATION SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY OF THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: FINISHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM SUPPORTS, DIRECT CONTACT, OR CLOSE CONTACT TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
4. ALL CONSTRUCTION MEANS AND METHODS, INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANS/ASSE 410.48 (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 ANS/ASSE 410.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CSD-STU-10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IN CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANS/17A-322 (LATEST EDITION).
5. ALL SITE WORK TO COMPLY WITH OASD-ST-19068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE" AND LATEST VERSION OF ANS/17A-1019-4-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
6. 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 THE INSTALLATION.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LOCAL ORDINANCES, 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 REGULATIONS.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRENCHING AND SHIELDING FOR ALL EXCAVATIONS BUT THIS DOES NOT APPLY TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E)
11. ALL SITE WORK TO COMPLY WITH OASD-ST-19068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE" AND LATEST VERSION OF ANS/17A-1019-4-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. NECESSARY SUBURBS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED OR COVERED. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GREENFIELD GROUNING NOTES:

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

GENERAL NOTES:

- 1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
CARRIER: T-MOBILE
TOWER OWNER: CROWN CASTLE USA INC.
2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPPLICITLY SHOWN ON THESE DRAWINGS.
3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASUREMENTS 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 ARE NOT INCLUDED IN THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS, WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.
6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CROWN CASTLE.
7. ALL MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LOCAL ORDINANCES, 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 REGULATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL 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.
8. 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.
9. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
10. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
11. 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.
12. 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.
13. 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.
14. 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.
15. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

- 1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (FC) 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° AT TIME OF PLACEMENT.
4. CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES, AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS SPECIFICATION (VERY SEVERE). CEMENT USED SHALL BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER-TO-CEMENT RATIO (W/C) OF 0.45.
5. ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615, ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPRINGS SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:
#4 BARS AND SMALLER 40 ksi
#5 BARS AND LARGER 60 ksi
6. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
CONCRETE EXPOSED TO EARTH OR WEATHER: 2"
SLAB AND WALLS 1-1/2"
SEAMS AND COLUMNS 1-1/2"
7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

ELECTRICAL INSTALLATION NOTES:

- 1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTING AND SUPPORT METHODS, CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TRIP HAZARDS ARE ELIMINATED.
3. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAPE SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR CAPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
5. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO ALL EXCEEDING RATING DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THE EQUIPMENT IS BEING SUBMITTED, 22,000 AC MINIMUM. VERIFIY 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.
6. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNING 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.
7. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAPE SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR CAPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
8. PANEL BOARD(S) (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
9. ALL THE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
10. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
13. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE C-CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
14. ALL POWER AND GROUNING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE NUTS 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).
15. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND IEC.
16. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED UNDERGROUND CONDUIT.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. RECENT-THE FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREEN FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND POWER, AND TELCO AND FOR GROUNING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNING PLAN DRAWINGS.
21. 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.
22. 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.
23. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
24. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECIMATE WIREWAY).
25. DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF CROWN CASTLE USA INC.
26. CONDUIT 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 BUSHINGS ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKWAL ON OUTSIDE AND INSIDE.
25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING, SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR EXTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR INTERIOR LOCATIONS.
26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEVEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
27. 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.
28. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "T-MOBILE".
30. ALL EMPT/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE FULL CORD INSTALLED.

Table with columns: SYSTEM, CONDUCTOR, COLOR. Rows include 120/240V, 1Ø and 120/208V, 3Ø. Legend includes DC VOLTAGE POS (+), NEG (-), and BLACK**.

APWA UNIFORM COLOR CODE:

Color key for proposed excavation, temporary survey markings, electric power lines, gas, oil, steam, petroleum, communication, alarm or signal lines, potable water, reclaimed water, irrigation, and sewers and drain lines.

ABBREVIATIONS:

- ANT ANTENNA
EXIST EXISTING
FACILITY INTERFACE FRAME
GEN GENERATOR
GLOBAL POSITIONING SYSTEM
GSM GLOBAL SYSTEM FOR MOBILE
LTE LONG TERM EVOLUTION
MSB MASTER GROUND BAR
MW MICROWAVE
N NEW
NEC NATIONAL ELECTRIC CODE
PCC PROPOSED
PP POWER PLANT
QTY QUANTITY
RECT RECTIFIER
RADIO BASE STATION
RET REMOTE ELECTRIC TILT
RFBS RF FREQUENCY BAND SHEET
RFBS REMOTE BASE STATION
RTR REMOTE TOWER HEAD
RTR REMOTE TOWER UNIT
SMT SMART INTERFACED DEVICE
TMA TOWER MOUNTED AMPLIFIER
TYPICAL
UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
W.P. WORK POINT

T-Mobile logo and address: 4 SYLVAN WAY, PARSIPPANY, NJ 07054. Crown Castle logo and address: 3530 THORNTON WAY, SUITE 300, CHARLOTTE, NC 28277.

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

T-MOBILE SITE NUMBER: CTF531A

BU #: 842873 SHELTON NE

30 OLIVER TERRACE SHELTON, CT 06484

EXISTING 140'-0" MONOPOLE

Table with columns: REV, DATE, DRWN, DESCRIPTION, DIS./QA. Shows revision 1 dated 8/3/20 for CONSTRUCTION. GCM.

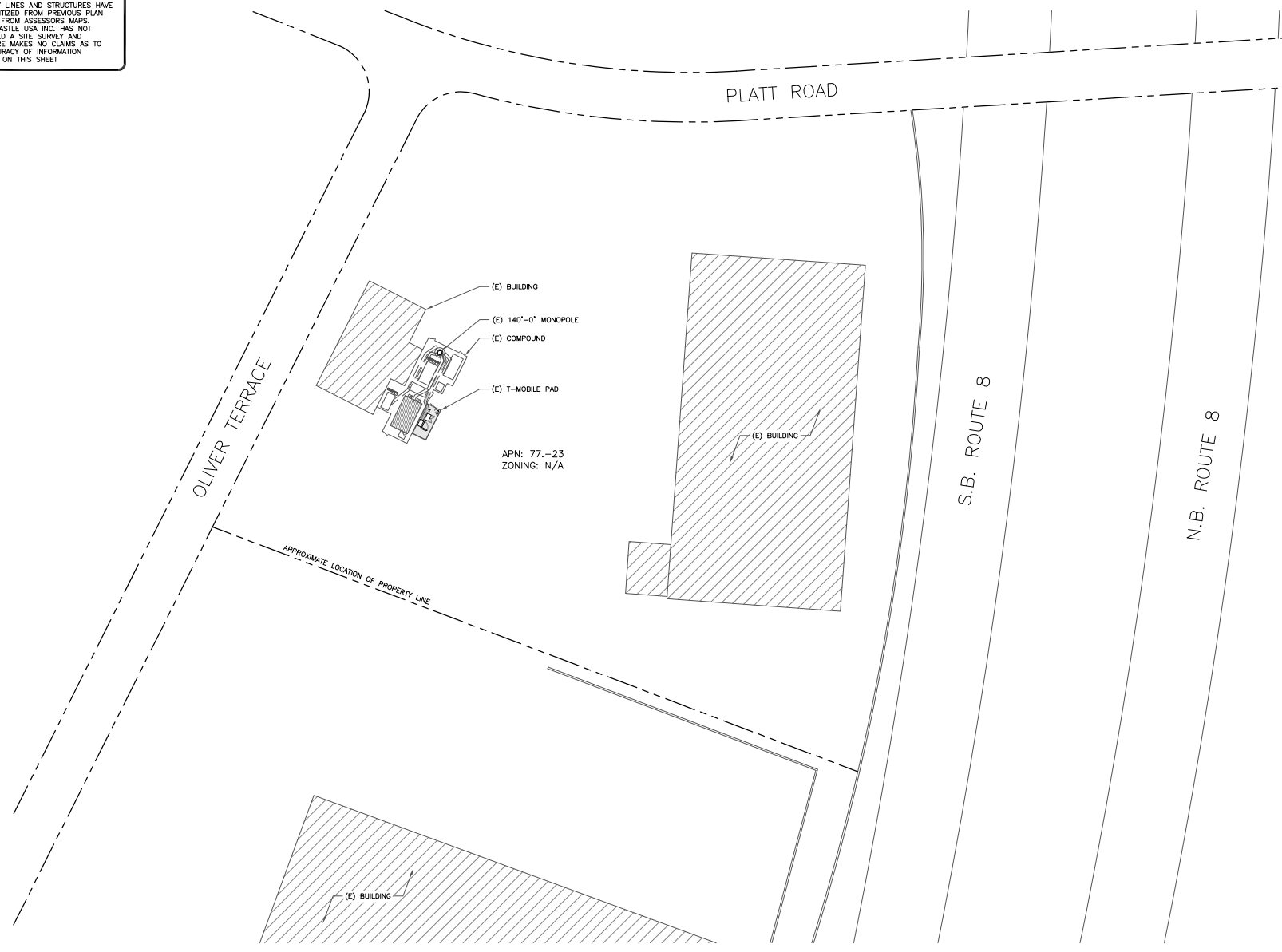
Professional Engineer seal for Daniel J. Taylor, License No. 31627, State of Connecticut.

B&T ENGINEERING, INC. P.E.C. 0001564 Expires 2/10/21

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

SHEET NUMBER: T-2 REVISION: 1

SITE PLAN DISCLAIMER:
 PROPERTY LINES AND STRUCTURES HAVE BEEN DIGITIZED FROM PREVIOUS PLAN SETS OR FROM ASSESSOR'S MAPS. CROWN CASTLE USA INC. HAS NOT COMPLETED A SITE SURVEY AND THEREFORE MAKES NO CLAIMS AS TO THE ACCURACY OF INFORMATION DEPICTED ON THIS SHEET



1 OVERALL SITE PLAN
 SCALE: 1"=30'-0" (FULL SIZE)
 1"=60'-0" (11x17)



T-Mobile
 4 SYLVAN WAY
 PARSIPPANY, NJ 07054

CROWN CASTLE
 3530 TORINGDON WAY, SUITE 300
 CHARLOTTE, NC 28277

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

T-MOBILE SITE NUMBER:
CTFF531A

BU #: 842873
SHELTON NE

30 OLIVER TERRACE
SHELTON, CT 06484

EXISTING
140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	7/13/20	STH	CONSTRUCTION	EMC
1	8/3/20	MTJ	CONSTRUCTION	GDM

Professional Engineer Seal:
 STATE OF CONNECTICUT
 PROFESSIONAL ENGINEER
 31627
 LICENSED
 8/3/20

B&T ENGINEERING, INC.
 PEC.0001564
 Expires 2/10/21

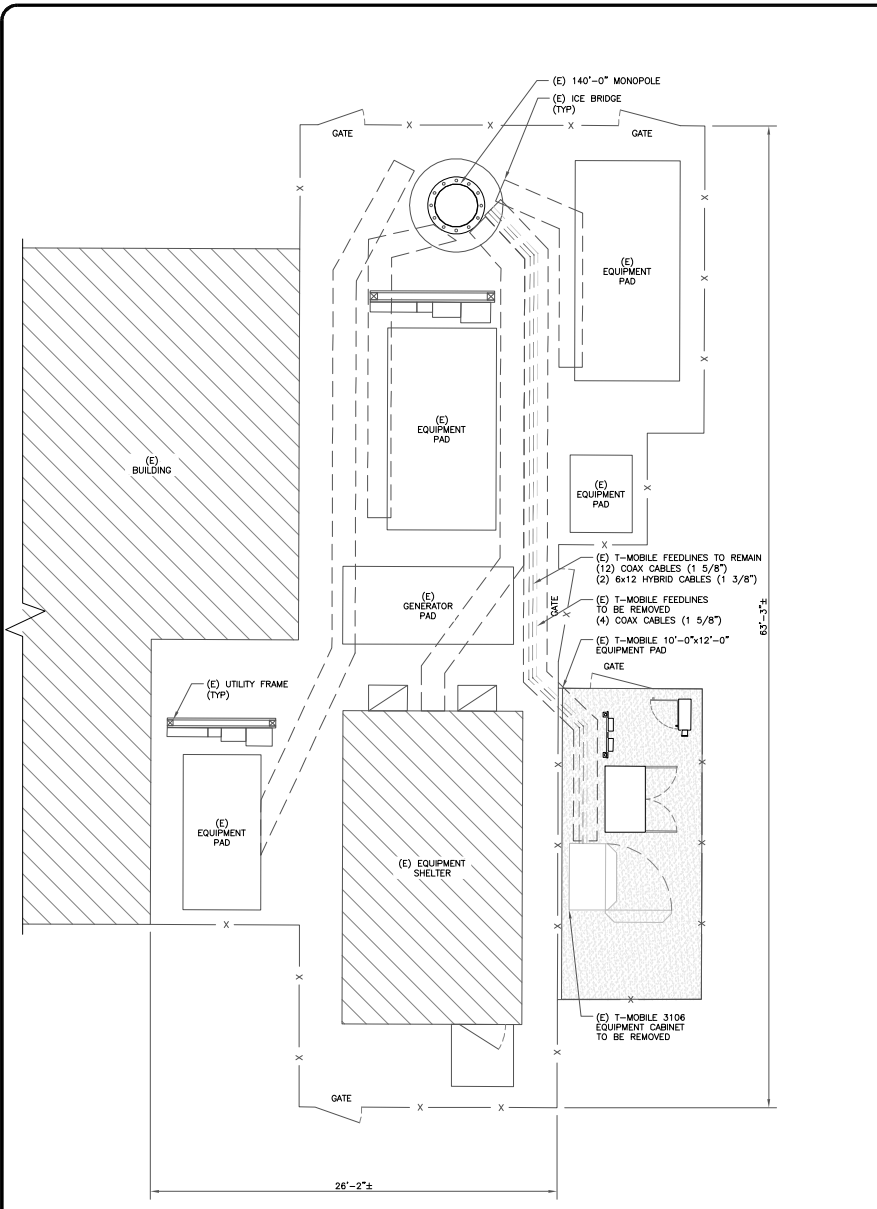
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER:
C-1.1

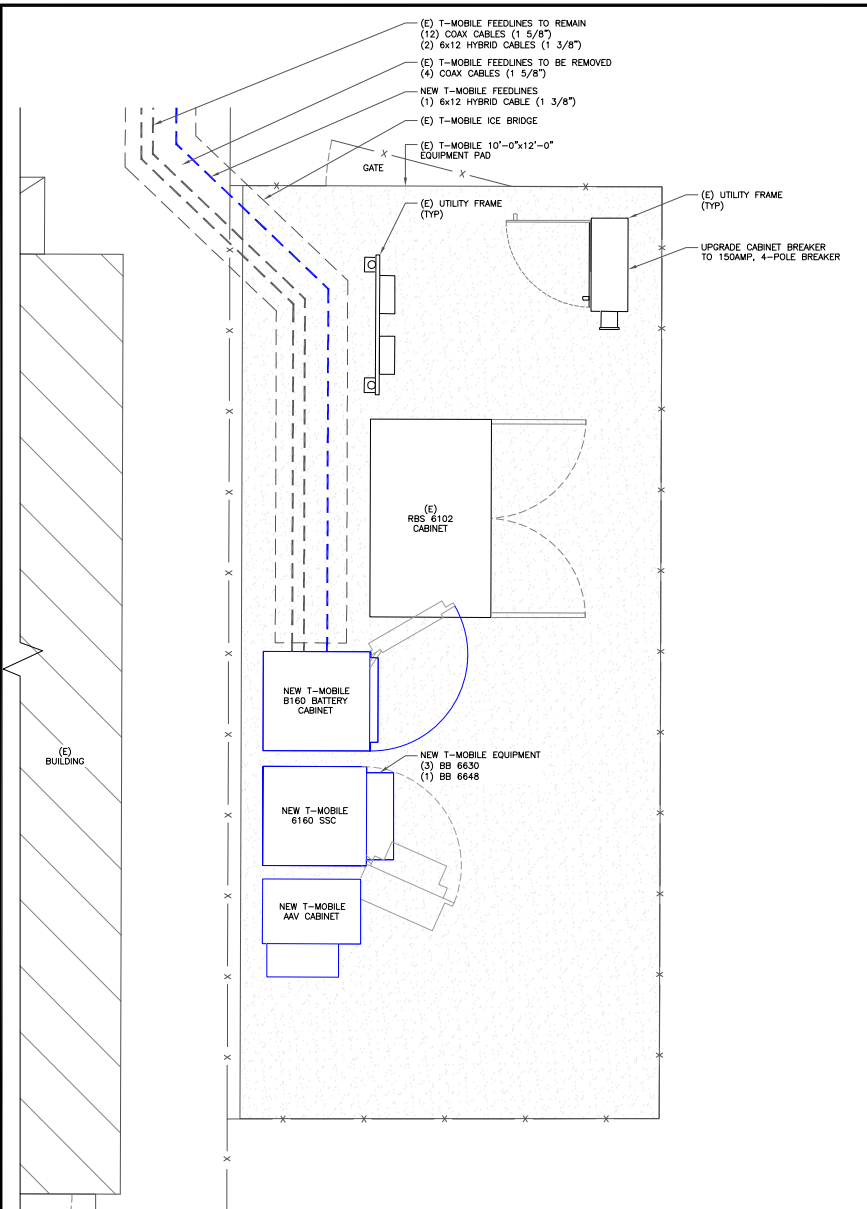
REVISION:
1

I:\39805_842873_Shelton_NE.dwg - SheetC-1.1 - User: mjones - Aug 03, 2020 - 10:13am

1:39806_842873_Shelton_NE.dwg - SheetC-1.2 - User: mjones - Aug 03, 2020 - 10:13am



1 SITE PLAN
 SCALE: 1/4"=1'-0" (FULL SIZE)
 1/8"=1'-0" (11x17)



2 ENLARGED SITE PLAN
 SCALE: 3/4"=1'-0" (FULL SIZE)
 3/8"=1'-0" (11x17)

T-Mobile
 4 SYLVAN WAY
 PARSIPPANY, NJ 07054

CROWN CASTLE
 3530 TORINGDON WAY, SUITE 300
 CHARLOTTE, NC 28277

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

T-MOBILE SITE NUMBER:
CTFF531A

BU #: **842873**
SHELTON NE

30 OLIVER TERRACE
 SHELTON, CT 06484

EXISTING
 140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	7/13/20	STH	CONSTRUCTION	PMC
1	8/3/20	MTJ	CONSTRUCTION	GDM

8/3/20

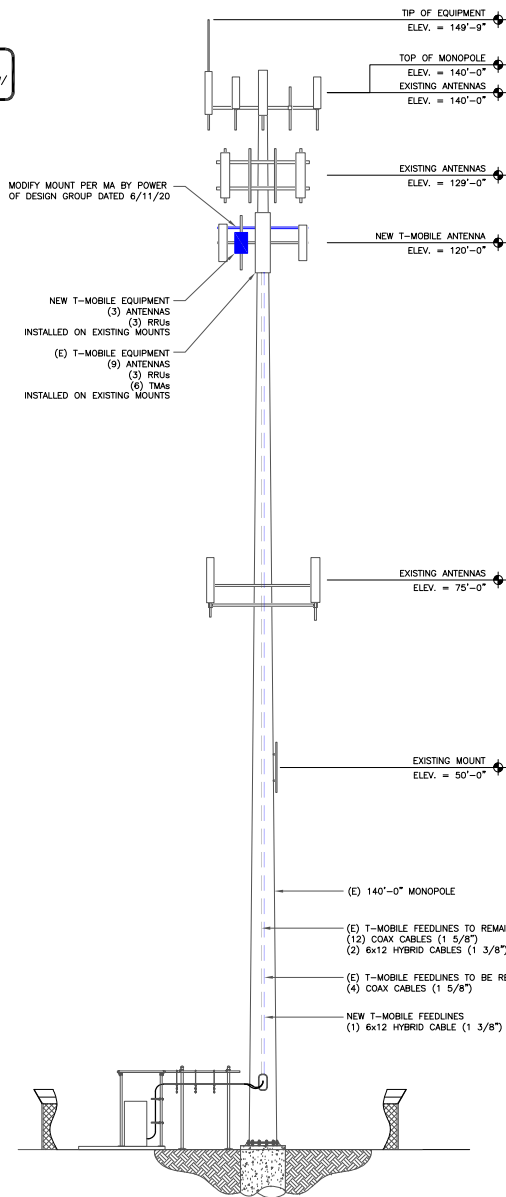
B&T ENGINEERING, INC.
 PEC.0001564
 Expires 2/10/21

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

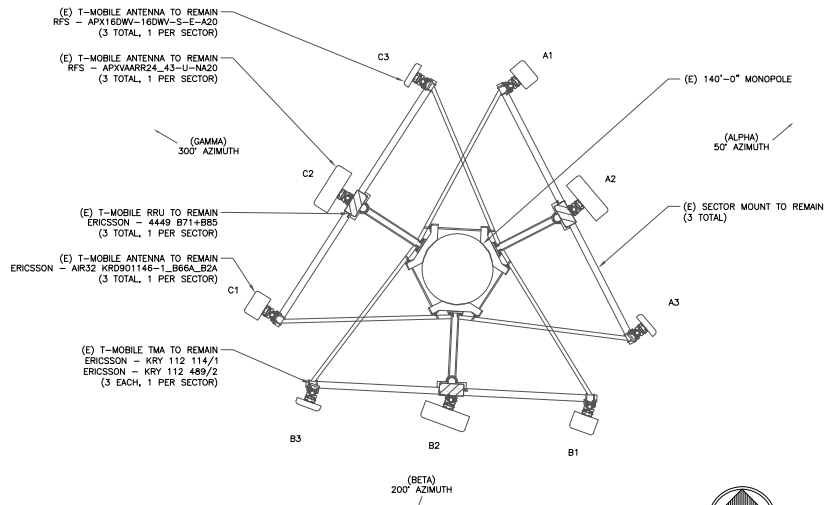
SHEET NUMBER: **C-1.2** REVISION: **1**

T-MOBILE EQUIPMENT
 ANTENNA CL: 120'-0"
 MOUNT CL: 120'-0"

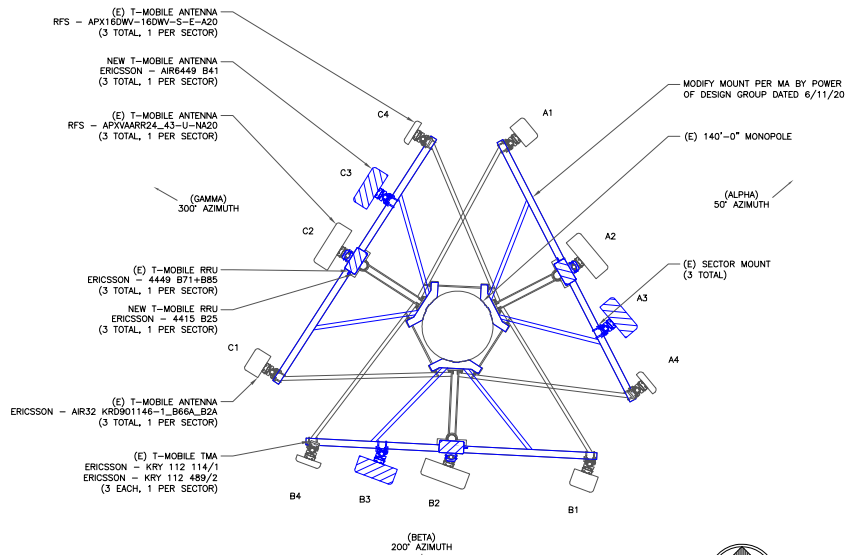
ANY AND ALL TOWER MOUNTED EQUIPMENT MUST NOT TRAP OR INTERFERE W/ EXISTING SAFETY CLIMB



1 FINAL ELEVATION
 SCALE: NOT TO SCALE



2 EXISTING ANTENNA LAYOUT
 SCALE: NOT TO SCALE



3 FINAL ANTENNA LAYOUT
 SCALE: NOT TO SCALE

T-Mobile
 4 SYLVAN WAY
 PARSIPPANY, NJ 07054

CROWN CASTLE
 3530 TORINGDON WAY, SUITE 300
 CHARLOTTE, NC 28277

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

T-MOBILE SITE NUMBER:
CTFF531A

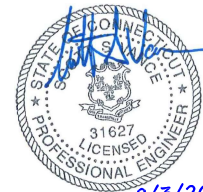
BU #: 842873
SHELTON NE

30 OLIVER TERRACE
 SHELTON, CT 06484

EXISTING
 140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	7/13/20	STH	CONSTRUCTION	EMC
1	8/3/20	MTJ	CONSTRUCTION	GDM



B&T ENGINEERING, INC.
 PEC.0001564
 Expires 2/10/21

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

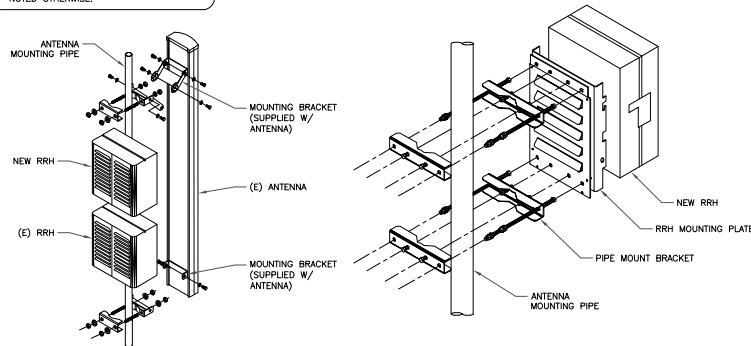
SHEET NUMBER:
C-2

REVISION:
1

ANTENNA SCHEDULE										
SECTOR	POS.	TECHNOLOGY	RAD CENTER	AZIMUTH	ANTENNA MANUFACTURER	ANTENNA MODEL	MECH. TILT	ELECT. TILT	TOWER MOUNTED EQUIPMENT	FEEDLINE TYPE
ALPHA	A1	L2100/L1900	120°-0°	50°	ERICSSON	AIR32 KR0901146-1_B66A_B2A	0°	0°/0°	-	(1) 6x12 HYBRID
ALPHA	A2	L700/L600/N600 L1900	120°-0°	50°	RFS/CELWAVE	APXVAARR24_43-U-NA20	0°	0°/0°	(1) ERICSSON - RRUS 4449 B71+BB5 (1) ERICSSON - RRUS 4415 B25	(1) 6x12 HYBRID
ALPHA	A3	L2500/N2500	120°-0°	50°	ERICSSON	AIR6449 B41	0°	0°	-	(1) 6x12 HYBRID
ALPHA	A4	G1900/U2100	120°-0°	50°	RFS/CELWAVE	APX160W-160W-S-E-A20	0°	0°/0°	(1) ERICSSON - KRY 112 114/1 (1) ERICSSON - KRY 112 489/2	(4) 1-5/8" COAX
BETA	B1	L2100/L1900	120°-0°	200°	ERICSSON	AIR32 KR0901146-1_B66A_B2A	0°	0°/0°	-	(SHARED) W/ A1
BETA	B2	L700/L600/N600 L1900	120°-0°	200°	RFS/CELWAVE	APXVAARR24_43-U-NA20	0°	0°/0°	(1) ERICSSON - RRUS 4449 B71+BB5 (1) ERICSSON - RRUS 4415 B25	(SHARED) W/ A2
BETA	B3	L2500/N2500	120°-0°	200°	ERICSSON	AIR6449 B41	0°	0°	-	(SHARED) W/ A3
BETA	B4	G1900/U2100	120°-0°	200°	RFS/CELWAVE	APX160W-160W-S-E-A20	0°	0°/0°	(1) ERICSSON - KRY 112 114/1 (1) ERICSSON - KRY 112 489/2	(4) 1-5/8" COAX
GAMMA	C1	L2100/L1900	120°-0°	300°	ERICSSON	AIR32 KR0901146-1_B66A_B2A	0°	0°/0°	-	(SHARED) W/ A1
GAMMA	C2	L700/L600/N600 L1900	120°-0°	300°	RFS/CELWAVE	APXVAARR24_43-U-NA20	0°	0°/0°	(1) ERICSSON - RRUS 4449 B71+BB5 (1) ERICSSON - RRUS 4415 B25	(SHARED) W/ A2
GAMMA	C3	L2500/N2500	120°-0°	300°	ERICSSON	AIR6449 B41	0°	0°	-	(SHARED) W/ A3
GAMMA	C4	G1900/U2100	120°-0°	300°	RFS/CELWAVE	APX160W-160W-S-E-A20	0°	0°/0°	(1) ERICSSON - KRY 112 114/1 (1) ERICSSON - KRY 112 489/2	(4) 1-5/8" COAX

1 ANTENNA AND CABLE SCHEDULE
SCALE: NOT TO SCALE

INSTALLER NOTES:
 1. COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRHS RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING.
 2. DO NOT OPEN RRH PACKAGES IN THE RAIN.
 3. ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.



2 ANTENNA WITH RRHS MOUNTING DETAIL
SCALE: NOT TO SCALE

T-Mobile
 4 SYLVAN WAY
 PARSIPPANY, NJ 07054

CROWN CASTLE
 3530 TORINGDON WAY, SUITE 300
 CHARLOTTE, NC 28277

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

T-MOBILE SITE NUMBER:
CTFF531A

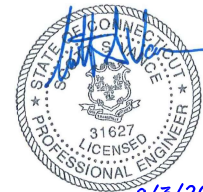
BU #: **842873**
SHELTON NE

30 OLIVER TERRACE
 SHELTON, CT 06484

EXISTING
 140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	7/13/20	STH	CONSTRUCTION	EMC
1	8/3/20	MTJ	CONSTRUCTION	GDM



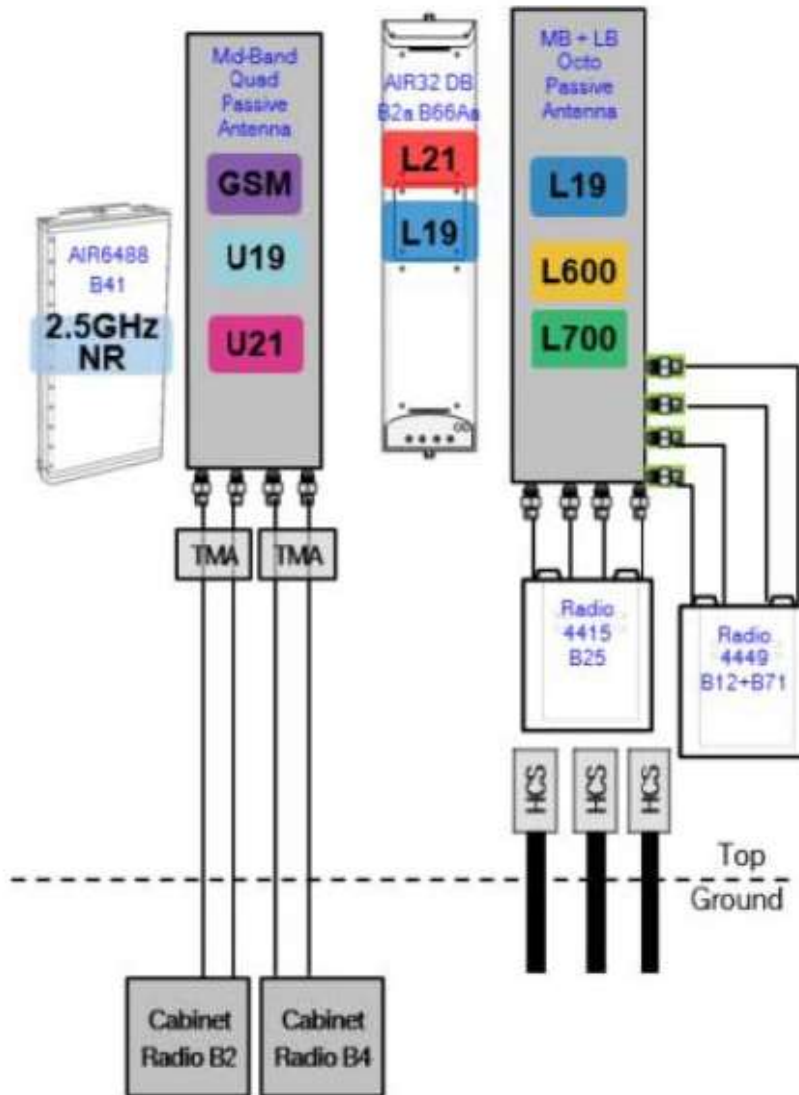
B&T ENGINEERING, INC.
 PEC.0001564
 Expires 2/10/21

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

SHEET NUMBER: REVISION:

C-3

1



1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

T-Mobile
4 SYLVAN WAY
PARSLIPPANT, NJ 07054

CROWN CASTLE
3530 TORINGDON WAY, SUITE 300
CHARLOTTE, NC 28277

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

T-MOBILE SITE NUMBER:
CTFF531A

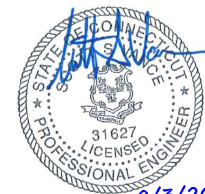
BU #: 842873
SHELTON NE

30 OLIVER TERRACE
SHELTON, CT 06484

EXISTING
140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES-QA
0	7/13/20	STH	CONSTRUCTION	EMC
1	8/3/20	MTJ	CONSTRUCTION	GDM



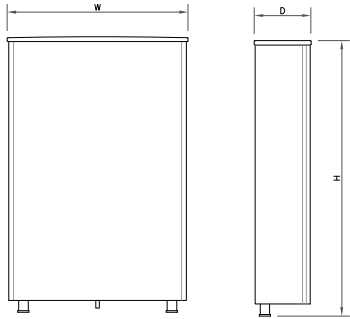
8/3/20

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/21

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

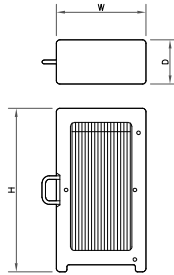
SHEET NUMBER:
C-4

REVISION:
1



ANTENNA SPECS	
MANUFACTURER	ERICSSON
MODEL #	AIR6449 B41
WIDTH	20.6"
DEPTH	8.6"
HEIGHT	33.1"
WEIGHT	104 LBS

① ANTENNA SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	ERICSSON
MODEL #	RRUS 4415 B25
WIDTH	13.19"
DEPTH	5.39"
HEIGHT	14.96"
WEIGHT	44 LBS

② RRU SPECS
SCALE: NOT TO SCALE

T-Mobile
4 SYLVAN WAY
PARSLIPPANT, NJ 07054

CROWN CASTLE
3530 TORINGDON WAY, SUITE 300
CHARLOTTE, NC 28277

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

T-MOBILE SITE NUMBER:
CTFF531A

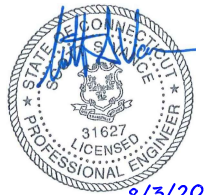
BU #: **842873**
SHELTON NE

30 OLIVER TERRACE
SHELTON, CT 06484

EXISTING
140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	7/13/20	STH	CONSTRUCTION	EMC
1	8/3/20	MTJ	CONSTRUCTION	GDM



B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/21

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

SHEET NUMBER: **C-5** REVISION: **1**

T-MOBILE SITE NUMBER:
CTFF531A

BU #: **842873**
SHELTON NE

30 OLIVER TERRACE
SHELTON, CT 06484

EXISTING
140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	7/13/20	STH	CONSTRUCTION	EMC
1	8/3/20	MTJ	CONSTRUCTION	GDM



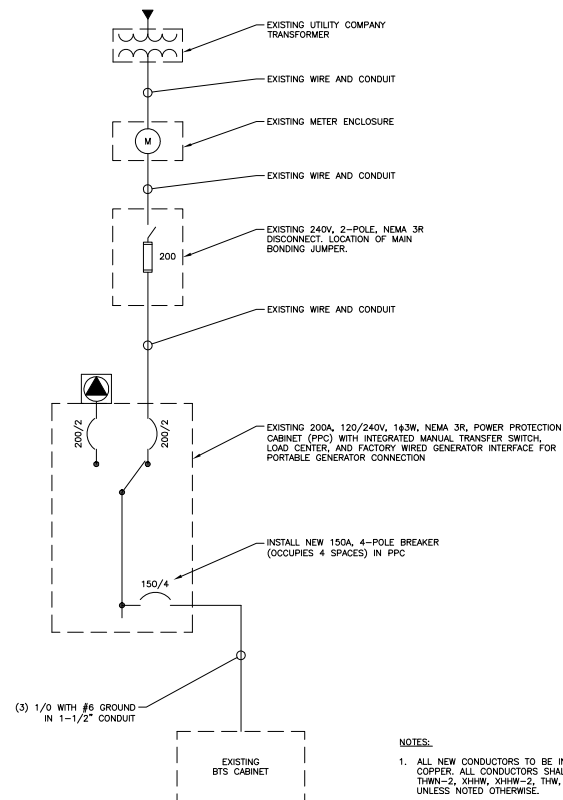
B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/21

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

SHEET NUMBER: REVISION:

E-1 **1**

T-MOBILE PANEL SCHEDULE											
MAIN: 200 AMP MAIN BREAKER			VOLTAGE/PHASE: 120/240V, 1-PHASE, 3-WIRE				SHORT CIRCUIT CURRENT RATING: ---				
MOUNTING: INSIDE PPC ENCLOSURE			ENCLOSURE: NEMA 3R				SURGE PROTECTION DEVICE: YES				
DESCRIPTION	LOAD (VA)	C or NC	C/B	C/R No.	LOAD (VA)		C/R No.	C/B	C or NC	LOAD (VA)	DESCRIPTION
					A-PHASE	B-PHASE					
SURGE PROTECTION DEVICE	0	NC	60	1	180		2	20	NC	180	RECEPTACLE
	0	NC		3		200	4	20	NC	200	LIGHT
BTS CABINET **	3600	C	150	5	3600		6				BLANK
	3600	C		7		3600	8				
	3600	C		9	3600		10				
	3600	C		11		3600	12				
BLANK				13	0		14				
				15		0	16				
				17	0		18				
				19		0	20				
				21	0		22				
				23		0	24				
BASE LOAD (VA) =					7390	7400	C = CONTINUOUS LOAD; NC = NON-CONTINUOUS LOAD				
25% OF CONTINUOUS LOAD (VA) =					1800	1800	** INDICATES NEW LOAD, ALL OTHER LOADS ARE EXISTING.				
TOTAL LOAD (VA) =					9180	9200	NEW BREAKER TO BE SAME TYPE AND HAVE SAME AIC RATING AS EXISTING.				
TOTAL LOAD (A) =					77	77	CUSTOMER HAS NOT PROVIDED LOADS FOR EQUIPMENT CABINETS THEREFORE THE CABINET LOADS SHOWN ARE ESTIMATED VALUES.				



NOTES:

- ALL NEW CONDUCTORS TO BE INSTALLED SHALL BE COPPER. ALL CONDUCTORS SHALL BE THW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 UNLESS NOTED OTHERWISE.
- CONTRACTOR IS TO FIELD VERIFY ALL EXISTING ITEMS SHOWN ON THE ELECTRICAL ONE-LINE DIAGRAM AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- ALL GROUNDING AND BONDING PER THE NEC.

1 AC PANEL SCHEDULE
SCALE: NOT TO SCALE

2 ONE LINE DIAGRAM
SCALE: NOT TO SCALE

T-Mobile

4 SYLVAN WAY
PARSLIPPANT, NJ 07054

CROWN CASTLE

3530 TORINGDON WAY, SUITE 300
CHARLOTTE, NC 28277

B+T GRP

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

T-MOBILE SITE NUMBER:
CTFF531A

BU #: 842873
SHELTON NE

30 OLIVER TERRACE
SHELTON, CT 06484

EXISTING
140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	7/13/20	STH	CONSTRUCTION	EMC
1	8/3/20	MTJ	CONSTRUCTION	GDM



8/3/20

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/21

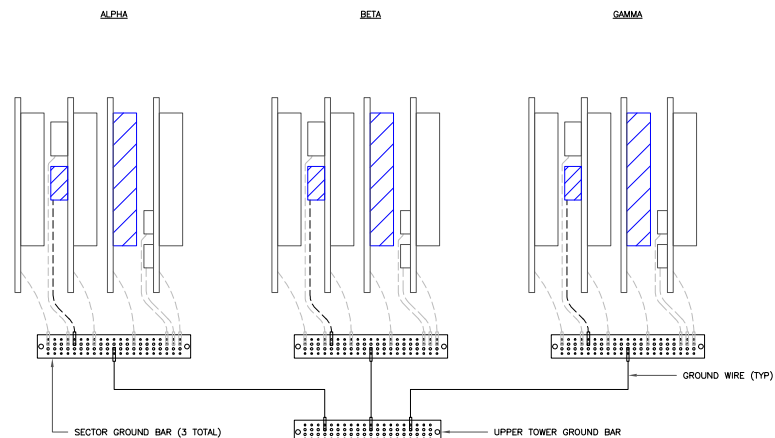
IT IS A VIOLATION OF LAW FOR ANY PERSON,
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

SHEET NUMBER:

G-1

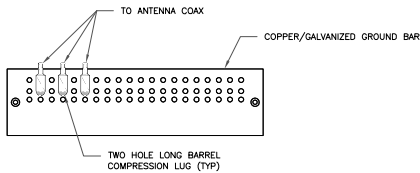
REVISION:

1



NOTE:
ALL NEW GROUNDS TO BE #6 STRANDED
COPPER WITH GREEN INSULATION UNLESS
NOTED OTHERWISE.

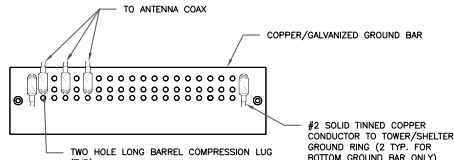
1 ANTENNA GROUNDING DIAGRAM
SCALE: NOT TO SCALE



NOTES:

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

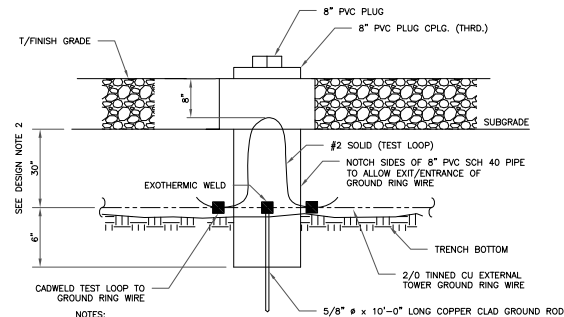
① ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

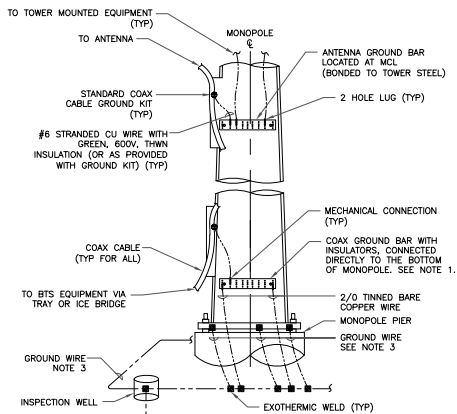
② TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

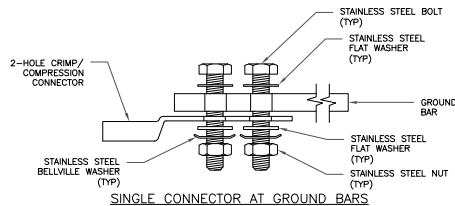
③ INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



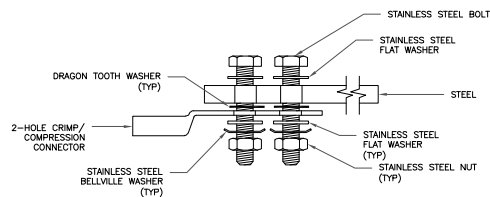
NOTES:

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

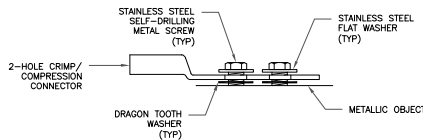
④ TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

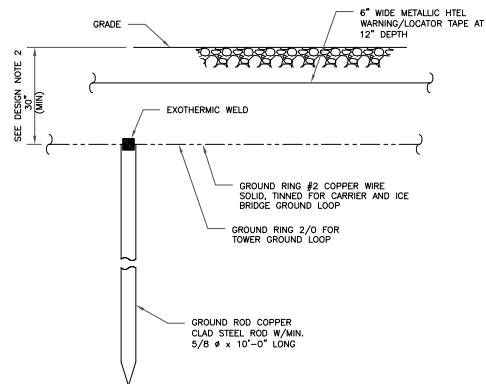


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

⑤ HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

⑥ GROUND ROD DETAIL
SCALE: NOT TO SCALE



4 SYLVAN WAY
PARSLIPPANT, NJ 07054



3530 TORINGDON WAY, SUITE 300
CHARLOTTE, NC 28277



1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.bgrp.com

T-MOBILE SITE NUMBER:
CTTF531A

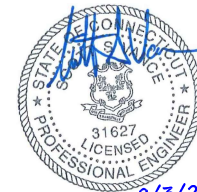
BU #: 842873
SHELTON NE

30 OLIVER TERRACE
SHELTON, CT 06484

EXISTING
140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	7/13/20	STH	CONSTRUCTION	EMC
1	8/15/20	MTJ	CONSTRUCTION	GDM



8/3/20

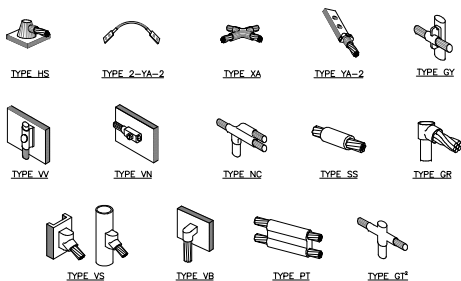
B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/21

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

SHEET NUMBER: REVISION:

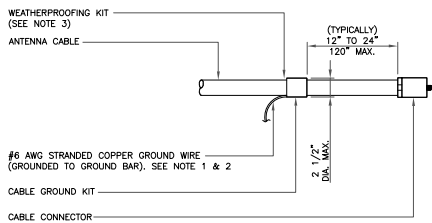
G-2

1



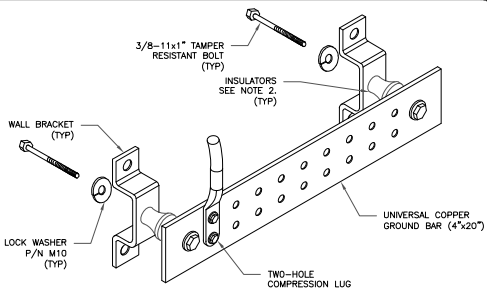
NOTE:
 1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
 2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

1 CADWELD GROUNDING CONNECTIONS
 SCALE: NOT TO SCALE



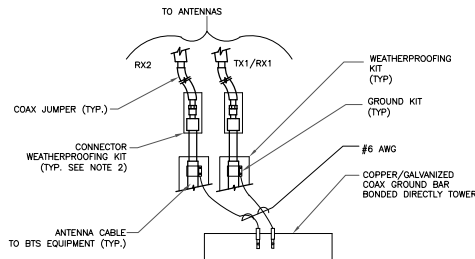
NOTES:
 1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
 3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

3 CABLE GROUND KIT CONNECTION
 SCALE: NOT TO SCALE



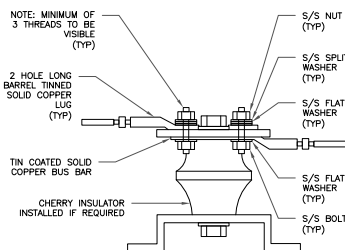
NOTES:
 1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER. PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION. CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
 2. OMIT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

6 GROUND BAR DETAIL
 SCALE: NOT TO SCALE



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.

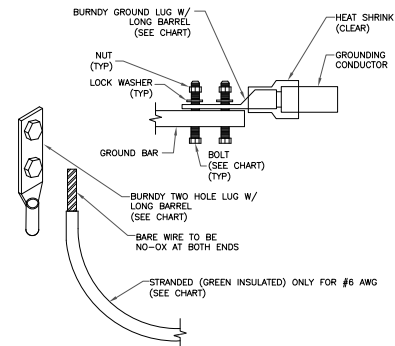
4 GROUND CABLE CONNECTION
 SCALE: NOT TO SCALE



NOTE: MINIMUM OF 3 THREADS TO BE VISIBLE (TYP)

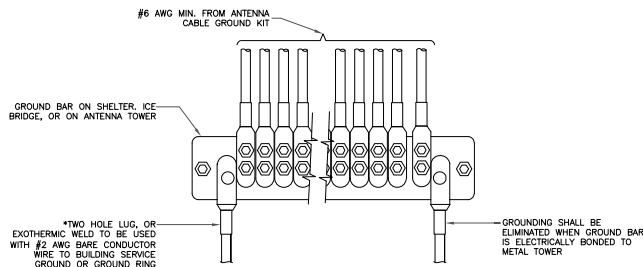
7 LUG DETAIL
 SCALE: NOT TO SCALE

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

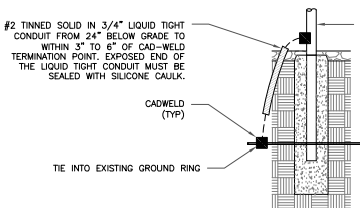


NOTES:
 1. ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

2 MECHANICAL LUG CONNECTION
 SCALE: NOT TO SCALE



5 GROUNDWIRE INSTALLATION
 SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
 SCALE: NOT TO SCALE

T-Mobile
 4 SYLVAN WAY
 PARSIPPANY, NJ 07054

CROWN CASTLE
 3530 TORINGDON WAY, SUITE 300
 CHARLOTTE, NC 28277

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

T-MOBILE SITE NUMBER:
CTTF531A

BU #: **842873**
SHELTON NE

30 OLIVER TERRACE
 SHELTON, CT 06484

EXISTING
 140'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
0	7/13/20	STH	CONSTRUCTION	JMC
1	8/3/20	MTJ	CONSTRUCTION	GDM



8/3/20

B&T ENGINEERING, INC.
 PEC.0001564
 Expires 2/10/21

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

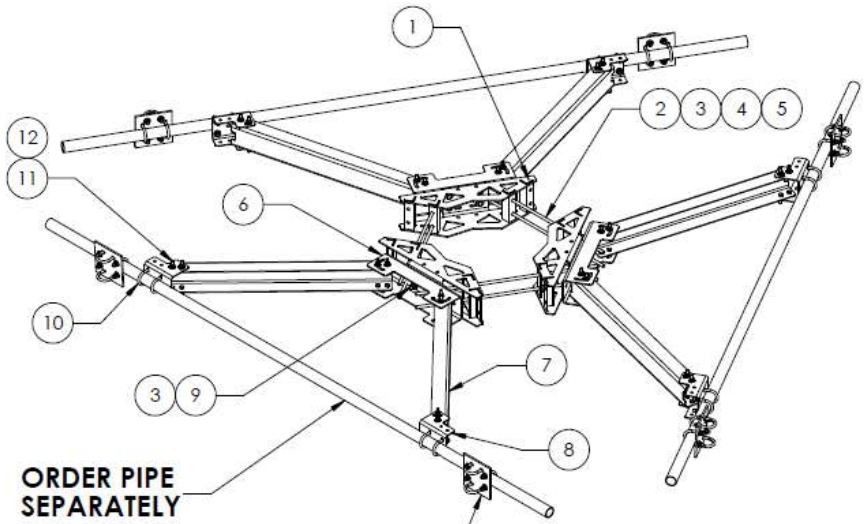
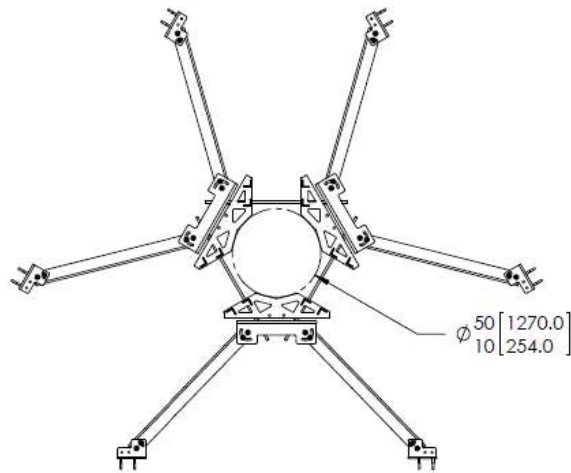
SHEET NUMBER: REVISION:

G-3

1

ITEM	PART NO.	DESCRIPTION	QTY.	WEIGHT
1	MTC328601	10-50 RRU Mount Weldment	3	29.99 LBS
2	MT38240	5/8" X 40" GALV THREADED ROD	6	3.46 LBS
3	GWf-05	5/8" GALV FLAT WASHER	36	0.06 LBS
4	GWl-05	5/8" GALV LOCK WASHER	12	0.03 LBS
5	GN-05	5/8" GALV HEX NUT	12	0.08 LBS
6	MTC340501	Mount Channel	3	23.34 LBS
7	MTC340502	Support Arm	6	29.88 LBS
8	MTC340503	Mount Channel	6	5.39 LBS
9	GB-0520A	5/8" X 2" GALV BOLT KIT (A325)	12	0.27 LBS
10	GUB-4240	1/2" X 2-1/2" X 4" GALV U-BOLT	12	0.56 LBS
11	GB-04205	1/2" X 2" GALV BOLT KIT	48	0.16 LBS
12	GWf-04	1/2" GALV FLAT WASHER	48	0.03 LBS

REVISIONS				
REV.	ZONE	DESCRIPTION	BY	DATE
A		INITIAL RELEASE	MSM	06/11/13



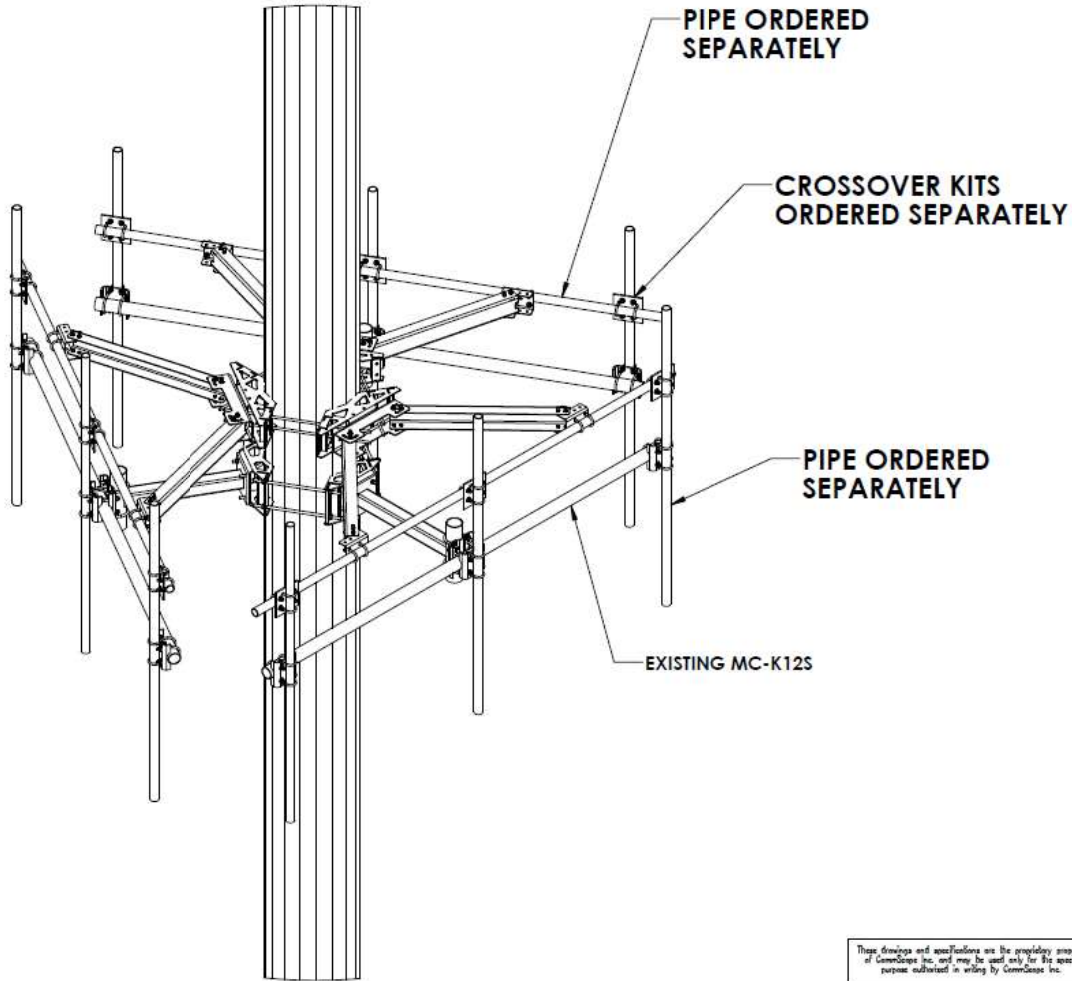
ORDER PIPE SEPARATELY

ORDER CROSSOVER KITS SEPARATELY

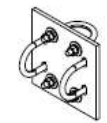
- NOTES:
1. ALL METRIC DIMENSIONS ARE IN BRACKETS.
 2. FIT MONOPOLES 10" - 50".
 3. PRE CUT ALLTHREAD AS NEEDED FOR POLE OD.

<small>These drawings and specifications are the proprietary property of Commscope Inc. and may be used only for the specific purpose authorized in writing by Commscope Inc.</small>		DATE: MSM DRAWN: TP DATE: 06/11/13 REV: A	SHEET: 1 of 2 TOL: NTS WPK: A36 P/W: GALV A123 WGT: 421.17 LBS	PART NUMBER: VSR-MS-B DESCRIPTION: Monopole T-Arm Reinforcement Kit DRAWING TYPE: ASSEMBLY DRAWING Hickory, NC 28602 U.S.A.
---	--	--	--	--

DO NOT SCALE THIS PRINT



AVAILABLE CROSSOVER KITS



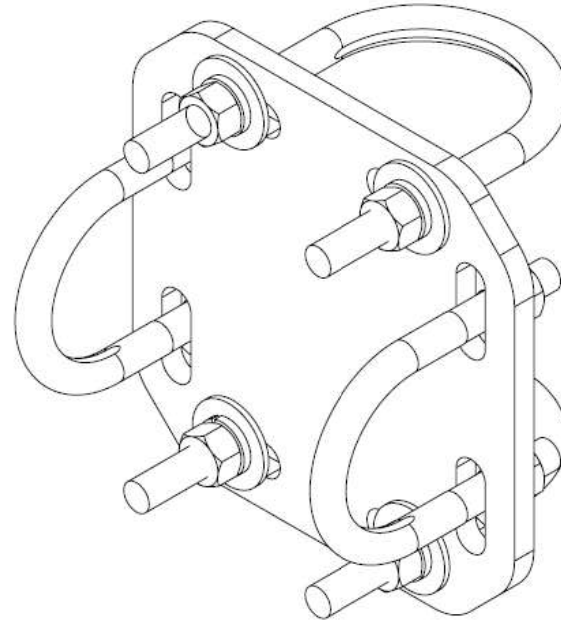
PART NUMBER	DESCRIPTION
XP-2020	2-3/8" OD to 2-3/8" OD
XP-2025	2-3/8" OD to 2-7/8" OD
XP-2030	2-3/8" OD to 3-1/2" OD
XP-2040	2-3/8" OD to 4-1/2" OD

<small>These drawings and specifications are the proprietary property of Commscope Inc. and may be used only for the specific purpose authorized in writing by Commscope Inc.</small>		SHEET: 2 of 2 PART NUMBER: VSR-MS-B
<small>ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED: .XX ± .12 ANGLES ± 2 .XXX ± .05 FRACTIONS ± 1/32 .XXXX ± .03</small>		DRAWN BY: NTS CHECKED BY: A36 ASSEMBLY DRAWING
<small>REMOVE BURRS AND BREAK EDGES .015</small>		<p>Hickory, NC 28602 U.S.A.</p>
DO NOT SCALE THIS PRINT		

NOTES:

REVISIONS				
REV.	ECN	DESCRIPTION	BY	DATE
A	800000068	INITIAL RELEASE	WOL	07/25/16

PRODUCT	PLATE (QTY 1)	U-BOLT #1	QTY	U-BOLT #2	QTY
XP-2020	XPU01	GUB-4240	4	-	-
XP-2025	XPU01	GUB-4240	2	GUB-4352	2
XP-2030	XPU01	GUB-4240	2	GUB-4355	2
XP-2040	XPU02	GUB52440	2	GUB-5456	2
XP-2525	XPU01	GUB-4352	4	-	-
XP-2530	XPU01	GUB-4352	2	GUB-4355	2
XP-2540	XPU02	GUB-53045	2	GUB-5456	2
XP-3030	XPU01	GUB-4355	4	-	-
XP-3040	XPU02	GUB-53560	2	GUB-5456	2
XP-4040	XPU02	GUB-5456	4	-	-



COMMScope, INC. OF NORTH CAROLINA																															
TOLERANCES																															
0 PLACE .X ± .25	2 PLACE .XX ± .06																														
1 PLACE .X ± .12	ANGLES ± 2°																														
SEE TABLE																															
GAP MATERIAL MASTER																															
FINISH	MATERIAL																														
GALV A123	A1011/A1018 GR 36																														
<table border="1"> <thead> <tr> <th>REV</th> <th>NAME</th> <th>DATE</th> <th>TITLE</th> </tr> </thead> <tbody> <tr> <td>CE</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>RW</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>RV</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>AD</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>RE</td> <td>TP</td> <td>-</td> <td>SCALE</td> </tr> <tr> <td>ECN</td> <td>800000</td> <td>-</td> <td>1:1</td> </tr> </tbody> </table>	REV	NAME	DATE	TITLE	CE	-	-	-	RW	-	-	-	RV	-	-	-	AD	-	-	-	RE	TP	-	SCALE	ECN	800000	-	1:1	<table border="1"> <thead> <tr> <th>DOCUMENT NO.</th> </tr> </thead> <tbody> <tr> <td>XP SERIES</td> </tr> </tbody> </table>	DOCUMENT NO.	XP SERIES
REV	NAME	DATE	TITLE																												
CE	-	-	-																												
RW	-	-	-																												
RV	-	-	-																												
AD	-	-	-																												
RE	TP	-	SCALE																												
ECN	800000	-	1:1																												
DOCUMENT NO.																															
XP SERIES																															
<table border="1"> <thead> <tr> <th>DENSITY</th> <td>0.28</td> <td>lb/in³</td> </tr> <tr> <th>MASS</th> <td>8.01</td> <td>lb</td> </tr> <tr> <th>VOLUME</th> <td>28.43</td> <td>in³</td> </tr> <tr> <th>SURFACE AREA</th> <td></td> <td>in²</td> </tr> <tr> <th>HEIGHT</th> <td></td> <td></td> </tr> <tr> <th>LENGTH</th> <td></td> <td></td> </tr> <tr> <th>WIDTH</th> <td></td> <td></td> </tr> </thead> </table>	DENSITY	0.28	lb/in ³	MASS	8.01	lb	VOLUME	28.43	in ³	SURFACE AREA		in ²	HEIGHT			LENGTH			WIDTH			<table border="1"> <thead> <tr> <th>SIZE</th> <td>C</td> </tr> </thead> <tbody> <tr> <td>WORK AREA</td> <td> </td> </tr> </tbody> </table>	SIZE	C	WORK AREA						
DENSITY	0.28	lb/in ³																													
MASS	8.01	lb																													
VOLUME	28.43	in ³																													
SURFACE AREA		in ²																													
HEIGHT																															
LENGTH																															
WIDTH																															
SIZE	C																														
WORK AREA																															
<table border="1"> <thead> <tr> <th colspan="3">DRAWING</th> <th colspan="3">SHEET</th> </tr> <tr> <th>VERSION</th> <th>STATUS</th> <th>REVISION</th> <th>VERSION</th> <th>STATUS</th> <th>REVISION</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>A</td> </tr> </tbody> </table>		DRAWING			SHEET			VERSION	STATUS	REVISION	VERSION	STATUS	REVISION						A												
DRAWING			SHEET																												
VERSION	STATUS	REVISION	VERSION	STATUS	REVISION																										
					A																										

Exhibit D

Structural Analysis Report

Date: **June 17, 2020**



Onnesta Gillis
Crown Castle
8000 Avalon Blvd
Alpharetta, GA 30009

Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317
(724) 416-2000

Subject: **Structural Analysis Report**

Carrier Designation: **T-Mobile Co-Locate**
Carrier Site Number: CTF531A
Carrier Site Name: SHELTON_RT8 - AT&T

Crown Castle Designation: **Crown Castle BU Number:** 842873
Crown Castle Site Name: SHELTON NE
Crown Castle JDE Job Number: 614603
Crown Castle Work Order Number: 1860404
Crown Castle Order Number: 524462 Rev. 1

Engineering Firm Designation: **Crown Castle Project Number:** 1860404

Site Data: **30 Oliver Terrace, SHELTON, Fairfield County, CT**
Latitude 41° 17' 38.21", Longitude -73° 6' 25.83"
140 Foot - Monopole Tower

Dear Onnesta Gillis,

Crown Castle 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:

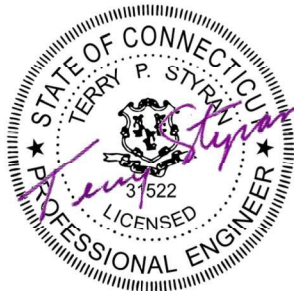
LC7: Proposed Equipment Configuration **Sufficient Capacity - 97.8%**

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

Structural analysis prepared by: Abigail Ruiz / ECM

Respectfully submitted by:

Terry P. Styran, P.E.
Senior Project Engineer



6/18/2020

TABLE OF CONTENTS

1) INTRODUCTION

2) ANALYSIS CRITERIA

Table 1 - Proposed Equipment Configuration

Table 2 - Other Considered Equipment

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

3.1) Analysis Method

3.2) Assumptions

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Table 5 – Tower Component Stresses vs. Capacity-LC7

4.1) Recommendations

5) APPENDIX A

tnxTower Output

6) APPENDIX B

Base Level Drawing

7) APPENDIX C

Additional Calculations

1) INTRODUCTION

This tower is a 140 ft Monopole tower designed by FWT INC. The tower has been modified multiple times to accommodate additional loading.

2) ANALYSIS CRITERIA

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

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
120.0	120.0	3	ericsson	AIR 32 B2A B66AA w/ Mount Pipe	14 1	1-5/8 1-3/8
		3	ericsson	AIR6449 B41 w/ Mount Pipe		
		3	ericsson	KRY 112 144/1		
		3	ericsson	KRY 112 489/2		
		3	ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	ericsson	RRUS 4415 B25		
		3	rfs celwave	APX16DWV-16DWVS-E-A20 w/ Mount Pipe		
		3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
		3	commscope	Stabilizer Kit (Part#: VSR-MS-B) with a P2.5 rail member		
		1	tower mounts	T-Arm Mount [TA 602-3]		

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)
138.0	145.0	1	andrew	DB636-C	14 2	1-5/8 1-1/4
	140.0	3	alcatel lucent	AWS4 (B66) 4X45 RRH		
		3	alcatel lucent	RRH2X60-700		
		3	alcatel lucent	RRH2X60-PCS		
		3	amphenol	BXA-80063-6BF-EDIN-4 w/ Mount Pipe		
		6	andrew	HBXX-6516DS-A2M w/ Mount Pipe		
		3	css	X7C-FRO-660-VR0 w/ Mount Pipe		
		2	rfs celwave	DB-T1-6Z-8AB-0Z		
	138.0	1	tower mounts	Platform Mount [LP 403-1]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
129.0	129.0	3	cci antennas	DMP65R-BU6D w/ Mount Pipe	6	1-5/8
		6	cci antennas	HPA-65R-BUU-H6 w/ Mount Pipe		
		3	cci antennas	OPA65R-BU6D w/ Mount Pipe		
		3	ericsson	RADIO 4415 B30		
		3	ericsson	RRUS 32 B2		
		3	ericsson	RRUS 32 B66A		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 4478 B14_CCIV2		
		2	raycap	DC6-48-60-0-8C-EV		
		1	raycap	DC6-48-60-18-8C-EV		
		1	tower mounts	Sector Mount [SM 503-3]		
73.0	75.0	3	alcatel lucent	1900MHZ 4X40W RRH	4	1-5/8
		3	alcatel lucent	RRH2x50-800		
		3	commscope	DT465B-2XR w/ Mount Pipe		
		3	nokia	FZHN		
		3	rfs celwave	APXVSP18-C-A20 w/ Mount Pipe		
	73.0	1	tower mounts	Miscellaneous [NA 510-1]		
		1	tower mounts	Platform Mount [LP 1201-1]		
50.0	50.0	1	pctel	GPS-TMG-HR-26NCM	1	1/2
		1	tower mounts	Pipe Mount [PM 601-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
4-GEOTECHNICAL REPORTS	Clarence Welti Assoc., Inc.	4529442	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	Dewberry-Goodkind, Inc.	4598376	CCISITES
4-TOWER MANUFACTURER DRAWINGS	FWT, Inc.	4598387	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	B+T Group	4858944	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	GPD Associates	5461041	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	GPD Associates	5461043	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	FDH Velocitel	5785413	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	Jacobs Engineering Group, Inc.	5963243	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	Jacobs Engineering Group, Inc.	6087139	CCISITES
4-POST-MODIFICATION INSPECTION	B+T Group	5095590	CCISITES

Document	Remarks	Reference	Source
4-POST-MODIFICATION INSPECTION	Tower Engineering Professionals	5994609	CCISITES
4-POST-MODIFICATION INSPECTION	FDH Velocitel	6086125	CCISITES
4-POST-MODIFICATION INSPECTION	FDH Velocitel	6231105	CCISITES

3.1) Analysis Method

tnxTower (version 8.0.5.0), 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. Crown Castle should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
140 - 135	Pole	TP14.296x13.161x0.1875	Pole	13.9%	Pass
135 - 130	Pole	TP15.431x14.296x0.1875	Pole	24.5%	Pass
130 - 125	Pole	TP16.566x15.431x0.1875	Pole	42.9%	Pass
125 - 120	Pole	TP17.701x16.566x0.1875	Pole	58.5%	Pass
120 - 115	Pole	TP18.836x17.701x0.1875	Pole	78.6%	Pass
115 - 114.75	Pole + Reinf.	TP18.893x18.836x0.4625	Reinf. 9 Tension Rupture	58.3%	Pass
114.75 - 109.75	Pole + Reinf.	TP20.027x18.893x0.45	Reinf. 9 Tension Rupture	71.6%	Pass
109.75 - 104.75	Pole + Reinf.	TP21.162x20.027x0.425	Reinf. 9 Tension Rupture	83.4%	Pass
104.75 - 101.58	Pole + Reinf.	TP21.882x21.162x0.4188	Reinf. 9 Tension Rupture	90.3%	Pass
101.58 - 101.33	Pole	TP21.939x21.882x0.3125	Pole	68.1%	Pass
101.33 - 96.33	Pole	TP23.074x21.939x0.3125	Pole	73.2%	Pass
96.33 - 91.33	Pole	TP24.209x23.074x0.3125	Pole	77.4%	Pass
91.33 - 91	Pole	TP24.284x24.209x0.3125	Pole	77.7%	Pass
91 - 90.75	Pole + Reinf.	TP24.34x24.284x0.6	Reinf. 8 Tension Rupture	67.4%	Pass

90.75 - 85.75	Pole + Reinf.	TP25.475x24.34x0.5875	Reinf. 8 Tension Rupture	71.9%	Pass
85.75 - 80.75	Pole + Reinf.	TP26.61x25.475x0.5625	Reinf. 8 Tension Rupture	75.9%	Pass
80.75 - 75.75	Pole + Reinf.	TP27.745x26.61x0.55	Reinf. 8 Tension Rupture	79.5%	Pass
75.75 - 70.75	Pole + Reinf.	TP28.88x27.745x0.5438	Reinf. 8 Tension Rupture	83.4%	Pass
70.75 - 69.98	Pole + Reinf.	TP29.055x28.88x0.5313	Reinf. 3 Tension Rupture	87.7%	Pass
69.98 - 69.73	Pole + Reinf.	TP29.112x29.055x0.5313	Reinf. 3 Tension Rupture	87.9%	Pass
69.73 - 64.73	Pole + Reinf.	TP30.247x29.112x0.525	Reinf. 3 Tension Rupture	91.7%	Pass
64.73 - 63	Pole + Reinf.	TP30.64x30.247x0.5188	Reinf. 3 Tension Rupture	92.9%	Pass
63 - 62.75	Pole + Reinf.	TP30.696x30.64x0.7	Reinf. 3 Tension Rupture	71.7%	Pass
62.75 - 59.08	Pole + Reinf.	TP31.53x30.696x0.6875	Reinf. 3 Tension Rupture	74.0%	Pass
59.08 - 58.82	Pole + Reinf.	TP31.589x31.53x0.625	Reinf. 4 Tension Rupture	75.7%	Pass
58.82 - 58.67	Pole + Reinf.	TP31.623x31.589x0.625	Reinf. 4 Tension Rupture	75.7%	Pass
58.67 - 53.67	Pole + Reinf.	TP32.758x31.623x0.6125	Reinf. 4 Tension Rupture	78.4%	Pass
53.67 - 53	Pole + Reinf.	TP33.913x32.758x0.6125	Reinf. 4 Tension Rupture	78.8%	Pass
53 - 47.58	Pole + Reinf.	TP33.515x32.285x0.6375	Reinf. 2 Tension Rupture	83.6%	Pass
47.58 - 42.58	Pole + Reinf.	TP34.65x33.515x0.625	Reinf. 2 Tension Rupture	86.0%	Pass
42.58 - 39.67	Pole + Reinf.	TP35.311x34.65x0.6125	Reinf. 2 Tension Rupture	87.3%	Pass
39.67 - 39.42	Pole + Reinf.	TP35.368x35.311x0.8125	Reinf. 2 Tension Rupture	67.8%	Pass
39.42 - 34.42	Pole + Reinf.	TP36.503x35.368x0.7875	Reinf. 2 Tension Rupture	69.7%	Pass
34.42 - 32.5	Pole + Reinf.	TP36.939x36.503x0.7875	Reinf. 2 Tension Rupture	70.4%	Pass
32.5 - 32.25	Pole + Reinf.	TP36.995x36.939x0.6125	Reinf. 5 Tension Rupture	87.1%	Pass
32.25 - 31.42	Pole + Reinf.	TP37.184x36.995x0.6	Reinf. 5 Tension Rupture	87.5%	Pass
31.42 - 31.17	Pole + Reinf.	TP37.241x37.184x0.775	Reinf. 1 Tension Rupture	70.9%	Pass
31.17 - 29	Pole + Reinf.	TP37.733x37.241x0.7625	Reinf. 1 Tension Rupture	71.7%	Pass
29 - 28.65	Pole + Reinf.	TP37.813x37.733x0.675	Reinf. 1 Tension Rupture	85.3%	Pass
28.65 - 28.42	Pole + Reinf.	TP37.865x37.813x0.675	Reinf. 1 Tension Rupture	85.4%	Pass
28.42 - 23.5	Pole + Reinf.	TP38.982x37.865x0.6625	Reinf. 1 Tension Rupture	87.1%	Pass
23.5 - 23.25	Pole + Reinf.	TP39.039x38.982x0.7875	Reinf. 1 Tension Rupture	71.3%	Pass
23.25 - 23	Pole + Reinf.	TP39.095x39.039x0.7875	Reinf. 1 Tension Rupture	71.4%	Pass
23 - 22.75	Pole + Reinf.	TP39.152x39.095x0.65	Reinf. 1 Tension Rupture	86.7%	Pass
22.75 - 17.75	Pole + Reinf.	TP40.287x39.152x0.6375	Reinf. 1 Tension Rupture	88.3%	Pass
17.75 - 12.75	Pole + Reinf.	TP41.422x40.287x0.625	Reinf. 1 Tension Rupture	89.8%	Pass
12.75 - 7.75	Pole + Reinf.	TP42.558x41.422x0.6125	Reinf. 1 Tension Rupture	91.1%	Pass
7.75 - 2.75	Pole + Reinf.	TP43.693x42.558x0.6	Reinf. 1 Tension Rupture	92.4%	Pass
2.75 - 0	Pole + Reinf.	TP44.317x43.693x0.6	Reinf. 1 Tension Rupture	93.1%	Pass
				Summary	
			Pole	78.6%	Pass
			Reinforcement	93.1%	Pass
			Overall	93.1%	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Flange Bolts	101.58	97.8	Pass
1	Flange Plate	101.58	62.3	Pass
1	Anchor Rods	0	70.2	Pass
1	Base Plate	0	63.8	Pass
1	Base Foundation (Structure)	0	59.9	Pass
1	Base Foundation (Soil Interaction)	0	77.6	Pass

Structure Rating (max from all components) =	97.8%
---	--------------

Notes:

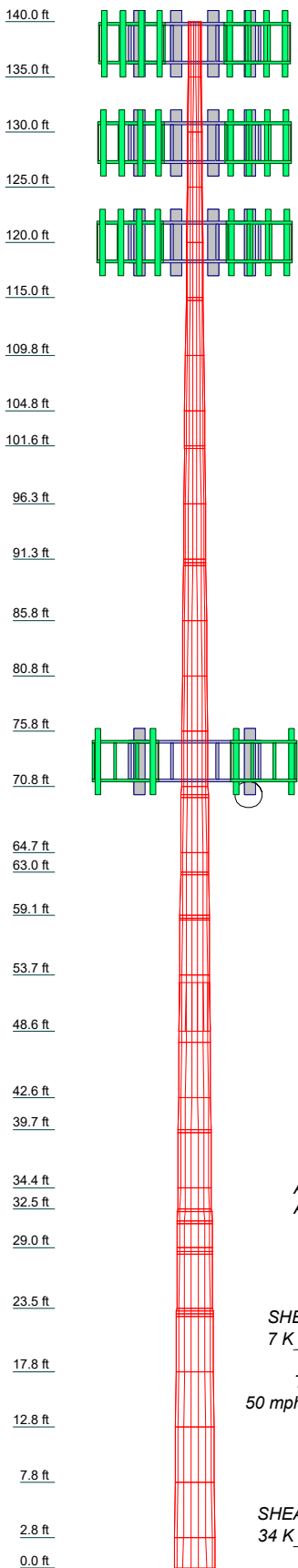
- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.

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		18	0.1875					0.1
2		18	0.1875					0.1
3		18	0.1875					0.2
4		18	0.1875					0.2
5		18	0.1875					0.2
6		18	0.4500					0.4
7		18	0.4500					0.4
8		18	0.4250					0.4
9		18	0.3125					0.4
10		18	0.26188					0.3
11		18	0.3125					0.4
12		18	0.3125					0.4
13		18	0.5825					0.7
14		18	0.5825					0.7
15		18	0.5825					0.7
16		18	0.5625					0.7
17		18	0.5500					0.8
18		18	0.5437					0.8
19		18	0.5437					0.8
20		18	0.5437					0.8
21		18	0.5437					0.8
22		18	0.5437					0.8
23		18	0.5437					0.8
24		18	0.5437					0.8
25		18	0.5437					0.8
26		18	0.5437					0.8
27		18	0.5437					1.0
28		18	0.6125					1.1
29		18	0.6125					1.1
30		18	0.6250					1.1
31		18	0.6250					1.1
32		18	0.6250					1.1
33		18	0.6250					1.4
34		18	0.6250					1.4
35		18	0.6250					1.4
36		18	0.6250					1.4
37		18	0.6250					1.4
38		18	0.6250					1.4
39		18	0.6250					1.4
40		18	0.6250					1.4
41		18	0.6250					1.3
42		18	0.6250					1.3
43		18	0.6250					1.3
44		18	0.6250					1.3
45		18	0.6250					1.5
46		18	0.6250					1.5
47		18	0.6125					1.5
48		18	0.6125					1.5
49		18	0.6000					1.5
50		18	0.6000					1.5
51		18	0.6000					1.5
52		18	0.6000					1.5
53		18	0.6000					1.5
54		18	0.6000					1.5
55		18	0.6000					1.5
56		18	0.6000					1.5
57		18	0.6000					1.5
58		18	0.6000					1.5
59		18	0.6000					1.5
60		18	0.6000					1.5
61		18	0.6000					1.5
62		18	0.6000					1.5
63		18	0.6000					1.5
64		18	0.6000					1.5
65		18	0.6000					1.5
66		18	0.6000					1.5
67		18	0.6000					1.5
68		18	0.6000					1.5
69		18	0.6000					1.5
70		18	0.6000					1.5
71		18	0.6000					1.5
72		18	0.6000					1.5
73		18	0.6000					1.5
74		18	0.6000					1.5
75		18	0.6000					1.5
76		18	0.6000					1.5
77		18	0.6000					1.5
78		18	0.6000					1.5
79		18	0.6000					1.5
80		18	0.6000					1.5
81		18	0.6000					1.5
82		18	0.6000					1.5
83		18	0.6000					1.5
84		18	0.6000					1.5
85		18	0.6000					1.5
86		18	0.6000					1.5
87		18	0.6000					1.5
88		18	0.6000					1.5
89		18	0.6000					1.5
90		18	0.6000					1.5
91		18	0.6000					1.5
92		18	0.6000					1.5
93		18	0.6000					1.5
94		18	0.6000					1.5
95		18	0.6000					1.5
96		18	0.6000					1.5
97		18	0.6000					1.5
98		18	0.6000					1.5
99		18	0.6000					1.5
100		18	0.6000					1.5

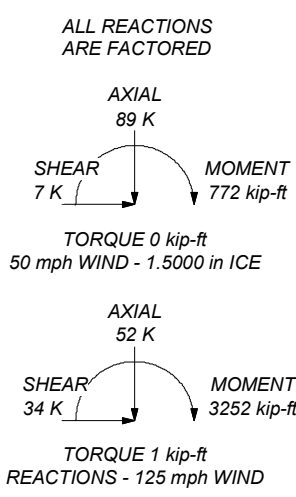


MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.0000 ft
8. TOWER RATING: 93.1%



CROWN CASTLE The Pathway to Possible	Crown Castle 2000 Corporate Drive Canonsburg, PA 15317 Phone: (724) 416-2000 FAX:		Job: BU# 842873
	Project: Crown Castle	Drawn by: emccarty	App'd:
Code: TIA-222-H	Date: 06/17/20	Scale: NTS	
Path: R:\SA Models - Letters\Work Area\Ruiz\WIP\842873 WO_1860\04\QA_ECM\842873_mod.en	Dwg No. E-1		

Tower Input Data

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

- 3) Tower is located in Fairfield County, Connecticut.
- 4) Tower base elevation above sea level: 311.0000 ft.
- 5) Basic wind speed of 125 mph.
- 6) Risk Category II.
- 7) Exposure Category B.
- 8) Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- 9) Topographic Category: 1.
- 10) Crest Height: 0.0000 ft.
- 11) Nominal ice thickness of 1.5000 in.
- 12) Ice thickness is considered to increase with height.
- 13) Ice density of 56.0000 pcf.
- 14) A wind speed of 50 mph is used in combination with ice.
- 15) Temperature drop of 50.0000 °F.
- 16) Deflections calculated using a wind speed of 60 mph.
- 17) TOWER RATING: 93.1%.
- 18) A non-linear (P-delta) analysis was used.
- 19) Pressures are calculated at each section.
- 20) Stress ratio used in pole design is 1.05.
- 21) Tower analysis based on target reliabilities in accordance with Annex S.
- 22) Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- 23) Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification Use Code Stress Ratios Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile Include Bolts In Member Capacity Leg Bolts Are At Top Of Section Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) SR Members Have Cut Ends SR Members Are Concentric	Distribute Leg Loads As Uniform Assume Legs Pinned ✓ Assume Rigid Index Plate ✓ Use Clear Spans For Wind Area Use Clear Spans For KL/r Retension Guys To Initial Tension ✓ Bypass Mast Stability Checks ✓ 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	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 <div style="text-align: center; background-color: #e0e0e0; padding: 2px;">Poles</div> ✓ 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	Section Length	Splice Length	Number of Sides	Top Diameter	Bottom Diameter	Wall Thickness	Bend Radius	Pole Grade
	ft	ft	ft		in	in	in	in	

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	140.0000- 135.0000	5.0000	0.0000	18	13.1610	14.2960	0.1875	0.7500	A572-65 (65 ksi)
L2	135.0000- 130.0000	5.0000	0.0000	18	14.2960	15.4309	0.1875	0.7500	A572-65 (65 ksi)
L3	130.0000- 125.0000	5.0000	0.0000	18	15.4309	16.5659	0.1875	0.7500	A572-65 (65 ksi)
L4	125.0000- 120.0000	5.0000	0.0000	18	16.5659	17.7008	0.1875	0.7500	A572-65 (65 ksi)
L5	120.0000- 115.0000	5.0000	0.0000	18	17.7008	18.8358	0.1875	0.7500	A572-65 (65 ksi)
L6	115.0000- 114.7500	0.2500	0.0000	18	18.8358	18.8925	0.4625	1.8500	A572-65 (65 ksi)
L7	114.7500- 109.7500	5.0000	0.0000	18	18.8925	20.0275	0.4500	1.8000	A572-65 (65 ksi)
L8	109.7500- 104.7500	5.0000	0.0000	18	20.0275	21.1624	0.4250	1.7000	A572-65 (65 ksi)
L9	104.7500- 101.5800	3.1700	0.0000	18	21.1624	21.8820	0.4188	1.6750	A572-65 (65 ksi)
L10	101.5800- 101.3300	0.2500	0.0000	18	21.8820	21.9387	0.3125	1.2500	A572-65 (65 ksi)
L11	101.3300- 96.3300	5.0000	0.0000	18	21.9387	23.0738	0.3125	1.2500	A572-65 (65 ksi)
L12	96.3300- 91.3300	5.0000	0.0000	18	23.0738	24.2087	0.3125	1.2500	A572-65 (65 ksi)
L13	91.3300- 91.0000	0.3300	0.0000	18	24.2087	24.2837	0.3125	1.2500	A572-65 (65 ksi)
L14	91.0000- 90.7500	0.2500	0.0000	18	24.2837	24.3404	0.6000	2.4000	A572-65 (65 ksi)
L15	90.7500- 85.7500	5.0000	0.0000	18	24.3404	25.4754	0.5875	2.3500	A572-65 (65 ksi)
L16	85.7500- 80.7500	5.0000	0.0000	18	25.4754	26.6104	0.5625	2.2500	A572-65 (65 ksi)
L17	80.7500- 75.7500	5.0000	0.0000	18	26.6104	27.7454	0.5500	2.2000	A572-65 (65 ksi)
L18	75.7500- 70.7500	5.0000	0.0000	18	27.7454	28.8804	0.5437	2.1750	A572-65 (65 ksi)
L19	70.7500- 69.9800	0.7700	0.0000	18	28.8804	29.0552	0.5313	2.1250	A572-65 (65 ksi)
L20	69.9800- 69.7300	0.2500	0.0000	18	29.0552	29.1120	0.5313	2.1250	A572-65 (65 ksi)
L21	69.7300- 64.7300	5.0000	0.0000	18	29.1120	30.2469	0.5250	2.1000	A572-65 (65 ksi)
L22	64.7300- 63.0000	1.7300	0.0000	18	30.2469	30.6397	0.5188	2.0750	A572-65 (65 ksi)
L23	63.0000- 62.7500	0.2500	0.0000	18	30.6397	30.6964	0.7000	2.8000	A572-65 (65 ksi)
L24	62.7500- 59.0800	3.6700	0.0000	18	30.6964	31.5295	0.6875	2.7500	A572-65 (65 ksi)
L25	59.0800- 58.8200	0.2600	0.0000	18	31.5295	31.5885	0.6250	2.5000	A572-65 (65 ksi)
L26	58.8200- 58.6700	0.1500	0.0000	18	31.5885	31.6226	0.6250	2.5000	A572-65 (65 ksi)
L27	58.6700- 53.6700	5.0000	0.0000	18	31.6226	32.7576	0.6125	2.4500	A572-65 (65 ksi)
L28	53.6700- 48.5800	5.0900	4.4200	18	32.7576	33.9130	0.6125	2.4500	A572-65 (65 ksi)
L29	48.5800- 47.5800	5.4200	0.0000	18	32.2847	33.5151	0.6375	2.5500	A572-65 (65 ksi)
L30	47.5800- 42.5800	5.0000	0.0000	18	33.5151	34.6503	0.6250	2.5000	A572-65 (65 ksi)
L31	42.5800- 39.6700	2.9100	0.0000	18	34.6503	35.3109	0.6125	2.4500	A572-65 (65 ksi)
L32	39.6700- 39.4200	0.2500	0.0000	18	35.3109	35.3677	0.8125	3.2500	A572-65 (65 ksi)
L33	39.4200- 34.4200	5.0000	0.0000	18	35.3677	36.5028	0.7875	3.1500	A572-65 (65 ksi)
L34	34.4200- 32.5000	1.9200	0.0000	18	36.5028	36.9387	0.7875	3.1500	A572-65 (65 ksi)
L35	32.5000- 32.5000	0.2500	0.0000	18	36.9387	36.9954	0.6125	2.4500	A572-65

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
L36	32.2500 32.2500- 31.4200	0.8300	0.0000	18	36.9954	37.1839	0.6000	2.4000	(65 ksi) A572-65
L37	31.4200- 31.1700	0.2500	0.0000	18	37.1839	37.2406	0.7750	3.1000	(65 ksi) A572-65
L38	31.1700- 29.0000	2.1700	0.0000	18	37.2406	37.7333	0.7625	3.0500	(65 ksi) A572-65
L39	29.0000- 28.6500	0.3500	0.0000	18	37.7333	37.8127	0.6750	2.7000	(65 ksi) A572-65
L40	28.6500- 28.4200	0.2300	0.0000	18	37.8127	37.8649	0.6750	2.7000	(65 ksi) A572-65
L41	28.4200- 23.5000	4.9200	0.0000	18	37.8649	38.9819	0.6625	2.6500	(65 ksi) A572-65
L42	23.5000- 23.2500	0.2500	0.0000	18	38.9819	39.0387	0.7875	3.1500	(65 ksi) A572-65
L43	23.2500- 23.0000	0.2500	0.0000	18	39.0387	39.0954	0.7875	3.1500	(65 ksi) A572-65
L44	23.0000- 22.7500	0.2500	0.0000	18	39.0954	39.1522	0.6500	2.6000	(65 ksi) A572-65
L45	22.7500- 17.7500	5.0000	0.0000	18	39.1522	40.2873	0.6375	2.5500	(65 ksi) A572-65
L46	17.7500- 12.7500	5.0000	0.0000	18	40.2873	41.4224	0.6250	2.5000	(65 ksi) A572-65
L47	12.7500- 7.7500	5.0000	0.0000	18	41.4224	42.5576	0.6125	2.4500	(65 ksi) A572-65
L48	7.7500-2.7500	5.0000	0.0000	18	42.5576	43.6927	0.6000	2.4000	(65 ksi) A572-65
L49	2.7500-0.0000	2.7500		18	43.6927	44.3170	0.6000	2.4000	(65 ksi) A572-65

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	I/Q in ²	w in	w/t
L1	13.3351 14.4876	7.7209 8.3963	164.1788 211.1466	4.6056 5.0085	6.6858 7.2623	24.5564 29.0742	328.5737 422.5710	3.8612 4.1989	1.9863 2.1861	10.594 11.659
L2	14.4876 15.6400	8.3963 9.0717	211.1466 266.3129	5.0085 5.4114	7.2623 7.8389	29.0742 33.9732	422.5710 532.9762	4.1989 4.5367	2.1861 2.3858	11.659 12.724
L3	15.6400 16.7925	9.0717 9.7472	266.3129 330.3372	5.4114 5.8143	7.8389 8.4155	33.9732 39.2536	532.9762 661.1090	4.5367 4.8745	2.3858 2.5856	12.724 13.79
L4	16.7925 17.9450	9.7472 10.4226	330.3372 403.8790	5.8143 6.2172	8.4155 8.9920	39.2536 44.9153	661.1090 808.2895	4.8745 5.2123	2.5856 2.7853	13.79 14.855
L5	17.9450 19.0974	10.4226 11.0981	403.8790 487.5980	6.2172 6.6201	8.9920 9.5686	44.9153 50.9583	808.2895 975.8376	5.2123 5.5501	2.7853 2.9851	14.855 15.921
L6	19.0550 19.1126	26.9715 27.0548	1150.3132 1161.0047	6.5225 6.5427	9.5686 9.5974	120.2178 120.9707	2302.1400 2323.5372	13.4883 13.5300	2.5011 2.5111	5.408 5.429
L7	19.1146 20.2670	26.3415 27.9625	1131.9263 1354.0273	6.5471 6.9500	9.5974 10.1740	117.9409 133.0875	2265.3420 2709.8362	13.1732 13.9839	2.5331 2.7328	5.629 6.073
L8	20.2709 21.4233	26.4428 27.9738	1283.7088 1519.8426	6.9589 7.3618	10.1740 10.7505	126.1759 141.3739	2569.1067 3041.6850	13.2239 13.9895	2.7768 2.9766	6.534 7.004
L9	21.4243 22.1550	27.5707 28.5271	1498.8463 1660.2965	7.3640 7.6195	10.7505 11.1161	139.4208 149.3602	2999.6649 3322.7776	13.7880 14.2662	2.9876 3.1142	7.135 7.437
L10	22.1714 22.2290	21.3942 21.4505	1257.5192 1267.4711	7.6572 7.6773	11.1161 11.1449	113.1264 113.7267	2516.6931 2536.6099	10.6992 10.7273	3.3012 3.3112	10.564 10.596
L11	22.2290 23.3815	21.4505 22.5763	1267.4711 1477.6879	7.6773 8.0802	11.1449 11.7215	113.7267 126.0668	2536.6099 2957.3202	10.7273 11.2903	3.3112 3.5110	10.596 11.235
L12	23.3815 24.5340	22.5763 23.7021	1477.6879 1709.9510	8.0802 8.4832	11.7215 12.2980	126.0668 139.0425	2957.3202 3422.1519	11.2903 11.8533	3.5110 3.7107	11.235 11.874
L13	24.5340 24.6101	23.7021 23.7764	1709.9510 1726.0825	8.4832 8.5098	12.2980 12.3361	139.0425 139.9213	3422.1519 3454.4362	11.8533 11.8905	3.7107 3.7239	11.874 11.917
L14	24.6101 24.6233	23.7764 45.1032	1726.0825 3196.2598	8.5098 8.4077	12.3361 12.3649	139.9213 260.3566	3454.4362 6442.8185	11.8905 22.6099	3.7239 3.2279	11.917 5.38
L15	24.6233 25.7778	45.1032 46.4091	3196.2598 3631.7632	8.4077 8.8352	12.3649 12.9415	260.3566 280.6291	6442.8185 7268.3052	22.6099 23.2090	3.2279 3.4497	5.38 5.872
L16	25.7778 25.7816	46.4091 44.4789	3631.7632 3487.7093	8.8352 8.8441	12.9415 12.9415	280.6291 269.4979	7268.3052 6980.0078	23.2090 22.2437	3.4497 3.4937	5.872 6.211

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	I/Q in ²	w in	w/t
L17	26.9341	46.5053	3986.4429	9.2470	13.5181	294.8969	7978.1313	23.2571	3.6934	6.566
	26.9361	45.4937	3903.4695	9.2514	13.5181	288.7590	7812.0754	22.7512	3.7154	6.755
	28.0886	47.4750	4436.0241	9.6544	14.0947	314.7306	8877.8852	23.7420	3.9152	7.119
L18	28.0895	46.9463	4388.6391	9.6566	14.0947	311.3687	8783.0529	23.4776	3.9262	7.221
	29.2421	48.9052	4961.2330	10.0595	14.6712	338.1602	9928.9940	24.4572	4.1260	7.588
L19	29.2440	47.8020	4853.5991	10.0640	14.6712	330.8239	9713.5847	23.9055	4.1480	7.808
	29.4215	48.0967	4943.9300	10.1260	14.7600	334.9537	9894.3654	24.0529	4.1787	7.866
L20	29.4215	48.0967	4943.9300	10.1260	14.7600	334.9537	9894.3654	24.0529	4.1787	7.866
	29.4791	48.1924	4973.4975	10.1461	14.7889	336.3000	9953.5392	24.1008	4.1887	7.885
L21	29.4801	47.6359	4918.2108	10.1484	14.7889	332.5616	9842.8932	23.8225	4.1997	7.999
	30.6326	49.5272	5527.5868	10.5513	15.3655	359.7413	11062.447	24.7683	4.3995	8.38
L22	30.6335	48.9479	5465.2285	10.5535	15.3655	355.6829	10937.648	24.4786	4.4105	8.502
	31.0323	49.5945	5684.6895	10.6929	15.5649	365.2238	11376.859	24.8019	4.4796	8.635
L23	31.0043	66.5199	7533.2608	10.6286	15.5649	483.9888	15076.434	33.2663	4.1606	5.944
	31.0620	66.6460	7576.1795	10.6487	15.5938	485.8464	15162.327	33.3293	4.1706	5.958
L24	31.0639	65.4832	7450.1967	10.6532	15.5938	477.7673	14910.196	32.7478	4.1926	6.098
	31.9098	67.3011	8088.0658	10.9489	16.0170	504.9680	16186.774	33.6569	4.3392	6.312
L25	31.9195	61.3068	7397.5780	10.9711	16.0170	461.8583	14804.890	30.6592	4.4492	7.119
	31.9794	61.4239	7440.0417	10.9920	16.0470	463.6416	14889.873	30.7178	4.4596	7.135
L26	31.9794	61.4239	7440.0417	10.9920	16.0470	463.6416	14889.873	30.7178	4.4596	7.135
	32.0140	61.4914	7464.6137	11.0041	16.0643	464.6720	14939.049	30.7516	4.4656	7.145
L27	32.0159	60.2859	7324.1749	11.0086	16.0643	455.9296	14657.987	30.1487	4.4876	7.327
	33.1684	62.4924	8158.1858	11.4115	16.6408	490.2507	16327.106	31.2522	4.6873	7.653
L28	33.1684	62.4924	8158.1858	11.4115	16.6408	490.2507	16327.106	31.2522	4.6873	7.653
	34.3417	64.7387	9069.9048	11.8217	17.2278	526.4690	18151.744	32.3755	4.8907	7.985
L29	33.7033	64.0357	8102.6819	11.2347	16.4006	494.0477	16216.025	32.0239	4.5601	7.153
	33.9338	66.5254	9085.0297	11.6716	17.0257	533.6071	18182.013	33.2690	4.7767	7.493
L30	33.9357	65.2458	8917.0549	11.6760	17.0257	523.7412	17845.843	32.6291	4.7987	7.678
	35.0884	67.4976	9872.5395	12.0790	17.6023	560.8654	19758.069	33.7552	4.9984	7.998
L31	35.0903	66.1720	9685.7557	12.0834	17.6023	550.2541	19384.256	33.0923	5.0204	8.197
	35.7611	67.4563	10260.749	12.3179	17.9379	572.0138	20535.000	33.7346	5.1367	8.386
L32	35.7303	88.9671	13377.189	12.2469	17.9379	745.7483	26771.980	44.4920	4.7847	5.889
	35.7879	89.1134	13443.321	12.2671	17.9668	748.2324	26904.332	44.5652	4.7947	5.901
L33	35.7918	86.4340	13057.981	12.2760	17.9668	726.7850	26133.145	43.2252	4.8387	6.144
	36.9444	89.2713	14386.576	12.6789	18.5434	775.8320	28792.083	44.6441	5.0385	6.398
L34	36.9444	89.2713	14386.576	12.6789	18.5434	775.8320	28792.083	44.6441	5.0385	6.398
	37.3870	90.3608	14919.776	12.8337	18.7648	795.0917	29859.184	45.1890	5.1152	6.496
L35	37.4140	70.6208	11773.608	12.8958	18.7648	627.4289	23562.709	35.3171	5.4232	8.854
	37.4717	70.7312	11828.880	12.9159	18.7937	629.4073	23673.325	35.3723	5.4332	8.871
L36	37.4736	69.3115	11599.422	12.9204	18.7937	617.1980	23214.107	34.6623	5.4552	9.092

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	I/Q in ²	w in	w/t
	37.6649	69.6703	11780.518	12.9873	18.8894	623.6575	23576.537	34.8418	5.4884	9.147
L37	37.6379	89.5603	14999.180	12.9251	18.8894	794.0526	30018.096	44.7887	5.1804	6.684
	37.6956	89.7000	15069.434	12.9453	18.9182	796.5560	30158.697	44.8585	5.1903	6.697
L38	37.6975	88.2834	14841.631	12.9497	18.9182	784.5145	29702.791	44.1501	5.2123	6.836
	38.1977	89.4757	15451.106	13.1246	19.1685	806.0676	30922.544	44.7464	5.2991	6.95
L39	38.2112	79.3955	13775.375	13.1557	19.1685	718.6465	27568.877	39.7053	5.4531	8.079
	38.2919	79.5657	13864.175	13.1839	19.2089	721.7593	27746.594	39.7904	5.4670	8.099
L40	38.2919	79.5657	13864.175	13.1839	19.2089	721.7593	27746.594	39.7904	5.4670	8.099
	38.3449	79.6776	13922.737	13.2024	19.2354	723.8084	27863.794	39.8464	5.4762	8.113
L41	38.3469	78.2284	13678.692	13.2069	19.2354	711.1211	27375.383	39.1216	5.4982	8.299
	39.4811	80.5771	14948.119	13.6034	19.8028	754.8485	29915.907	40.2962	5.6948	8.596
L42	39.4618	95.4679	17595.200	13.5590	19.8028	888.5205	35213.552	47.7430	5.4748	6.952
	39.5194	95.6097	17673.755	13.5792	19.8316	891.1898	35370.766	47.8140	5.4848	6.965
L43	39.5194	95.6097	17673.755	13.5792	19.8316	891.1898	35370.766	47.8140	5.4848	6.965
	39.5770	95.7516	17752.544	13.5993	19.8605	893.8631	35528.447	47.8849	5.4948	6.978
L44	39.5983	79.3167	14811.243	13.6481	19.8605	745.7649	29641.975	39.6659	5.7368	8.826
	39.6559	79.4338	14876.936	13.6683	19.8893	747.9868	29773.448	39.7245	5.7468	8.841
L45	39.6578	77.9316	14605.057	13.6727	19.8893	734.3171	29229.332	38.9732	5.7688	9.049
	40.8105	80.2284	15934.836	14.0757	20.4659	778.6024	31890.640	40.1218	5.9686	9.362
L46	40.8124	78.6801	15637.168	14.0801	20.4659	764.0578	31294.912	39.3475	5.9906	9.585
	41.9650	80.9319	17018.557	14.4831	21.0426	808.7671	34059.507	40.4736	6.1903	9.905
L47	41.9669	79.3376	16693.520	14.4875	21.0426	793.3205	33409.007	39.6763	6.2123	10.143
	43.1196	81.5443	18125.614	14.8905	21.6192	838.4021	36275.079	40.7799	6.4121	10.469
L48	43.1215	79.9040	17771.582	14.8949	21.6192	822.0264	35566.550	39.9596	6.4341	10.724
	44.2742	82.0657	19253.343	15.2979	22.1959	867.4286	38532.020	41.0406	6.6339	11.057
L49	44.2742	82.0657	19253.343	15.2979	22.1959	867.4286	38532.020	41.0406	6.6339	11.057
	44.9081	83.2547	20102.343	15.5195	22.5130	892.9201	40231.137	41.6352	6.7438	11.24

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 140.0000-135.0000				1	1	1			
L2 135.0000-130.0000				1	1	1			
L3 130.0000-125.0000				1	1	1			
L4 125.0000-120.0000				1	1	1			
L5 120.0000-				1	1	1			

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							
115.0000									
L6 115.0000-114.7500				1	1	0.910459			
L7 114.7500-109.7500				1	1	0.90506			
L8 109.7500-104.7500				1	1	0.928842			
L9 104.7500-101.5800				1	1	0.925837			
L10 101.5800-101.3300				1	1	1			
L11 101.3300-96.3300				1	1	1			
L12 96.3300-91.3300				1	1	1			
L13 91.3300-91.0000				1	1	1			
L14 91.0000-90.7500				1	1	0.925286			
L15 90.7500-85.7500				1	1	0.925661			
L16 85.7500-80.7500				1	1	0.947954			
L17 80.7500-75.7500				1	1	0.952304			
L18 75.7500-70.7500				1	1	0.947475			
L19 70.7500-69.9800				1	1	0.951412			
L20 69.9800-69.7300				1	1	0.950691			
L21 69.7300-64.7300				1	1	0.9478			
L22 64.7300-63.0000				1	1	0.954368			
L23 63.0000-62.7500				1	1	0.981128			
L24 62.7500-59.0800				1	1	0.983857			
L25 59.0800-58.8200				1	1	0.999823			
L26 58.8200-58.6700				1	1	0.999274			
L27 58.6700-53.6700				1	1	1.00128			
L28 53.6700-48.5800				1	1	0.99897			
L29 48.5800-47.5800				1	1	0.940602			
L30 47.5800-42.5800				1	1	0.943735			
L31 42.5800-39.6700				1	1	0.954027			
L32 39.6700-39.4200				1	1	0.924799			
L33 39.4200-34.4200				1	1	0.935777			
L34 34.4200-32.5000				1	1	0.929278			
L35 32.5000-32.2500				1	1	0.944082			
L36 32.2500-31.4200				1	1	0.961139			
L37 31.4200-31.1700				1	1	0.939463			

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
L38 31.1700-29.0000				1	1	0.947279			
L39 29.0000-28.6500				1	1	0.990842			
L40 28.6500-28.4200				1	1	0.990101			
L41 28.4200-23.5000				1	1	0.992797			
L42 23.5000-23.2500				1	1	1.02556			
L43 23.2500-23.0000				1	1	1.02463			
L44 23.0000-22.7500				1	1	1.08475			
L45 22.7500-17.7500				1	1	1.08804			
L46 17.7500-12.7500				1	1	1.09249			
L47 12.7500-7.7500				1	1	1.0981			
L48 7.7500-2.7500				1	1	1.10484			
L49 2.7500-0.0000				1	1	1.0965			

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
5.75" x 1" Flat Plate (G)	A	No	Surface Af (CaAa)	33.3300 - 0.5000	1	1	0.500 0.500	5.7500	13.5000	0.0000
5.75" x 1" Flat Plate (G)	B	No	Surface Af (CaAa)	33.3300 - 0.5000	1	1	0.500 0.500	5.7500	13.5000	0.0000
5.75" x 1" Flat Plate (G)	C	No	Surface Af (CaAa)	33.3300 - 0.5000	1	1	0.500 0.500	5.7500	13.5000	0.0000
**										
5.75" x 1" Flat Plate (G)	A	No	Surface Af (CaAa)	50.5800 - 30.5800	1	1	-0.300 -0.300	5.7500	13.5000	0.0000
5.75" x 1" Flat Plate (G)	B	No	Surface Af (CaAa)	50.5800 - 30.5800	1	1	-0.300 -0.300	5.7500	13.5000	0.0000
5.75" x 1" Flat Plate (G)	C	No	Surface Af (CaAa)	50.5800 - 30.5800	1	1	-0.300 -0.300	5.7500	13.5000	0.0000
**										
5.75" x 1" Flat Plate (G)	A	No	Surface Af (CaAa)	72.0000 - 57.0000	1	1	-0.300 -0.300	5.7500	13.5000	0.0000
5.75" x 1" Flat Plate (G)	B	No	Surface Af (CaAa)	72.0000 - 57.0000	1	1	-0.300 -0.300	5.7500	13.5000	0.0000
5.75" x 1" Flat Plate (G)	C	No	Surface Af (CaAa)	72.0000 - 57.0000	1	1	-0.300 -0.300	5.7500	13.5000	0.0000
**										
MP3-04	A	No	Surface Af (CaAa)	60.5000 - 0.5000	1	1	0.000 0.000	4.7800	12.7800	0.0000
MP3-04	B	No	Surface Af (CaAa)	60.5000 - 0.5000	1	1	0.000 0.000	4.7800	12.7800	0.0000
MP3-04	C	No	Surface Af (CaAa)	60.5000 - 0.5000	1	1	0.000 0.000	4.7800	12.7800	0.0000
**										
CCI-65FP-060100	A	No	Surface Af (CaAa)	41.6700 - 26.6700	1	1	0.000 0.000	6.0000	14.0000	0.0000
CCI-65FP-060100	B	No	Surface Af (CaAa)	41.6700 - 26.6700	1	1	0.000 0.000	6.0000	14.0000	0.0000

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
CCI-65FP-060100	C	No	Surface Af (CaAa)	41.6700 - 26.6700	1	1	0.000 0.000	6.0000	14.0000	0.0000
**										
CCI-65FP-060100	A	No	Surface Af (CaAa)	25.5000 - 0.5000	1	1	0.000 0.000	6.0000	14.0000	0.0000
CCI-65FP-060100	B	No	Surface Af (CaAa)	25.5000 - 0.5000	1	1	0.000 0.000	6.0000	14.0000	0.0000
CCI-65FP-060100	C	No	Surface Af (CaAa)	25.5000 - 0.5000	1	1	0.000 0.000	6.0000	14.0000	0.0000
**										
CCI-65FP-060100	A	No	Surface Af (CaAa)	65.0000 - 50.0000	1	1	0.000 0.000	6.0000	14.0000	0.0000
CCI-65FP-060100	B	No	Surface Af (CaAa)	65.0000 - 50.0000	1	1	0.000 0.000	6.0000	14.0000	0.0000
CCI-65FP-060100	C	No	Surface Af (CaAa)	65.0000 - 50.0000	1	1	0.000 0.000	6.0000	14.0000	0.0000
**										
CCI-65FP-060100	A	No	Surface Af (CaAa)	93.0000 - 68.0000	1	1	0.000 0.000	6.0000	14.0000	0.0000
CCI-65FP-060100	B	No	Surface Af (CaAa)	93.0000 - 68.0000	1	1	0.000 0.000	6.0000	14.0000	0.0000
CCI-65FP-060100	C	No	Surface Af (CaAa)	93.0000 - 68.0000	1	1	0.000 0.000	6.0000	14.0000	0.0000
**										
CCI-65FP-045100	A	No	Surface Af (CaAa)	117.0000 - 102.0000	1	1	0.300 0.300	4.5000	11.0000	0.0000
CCI-65FP-045100	B	No	Surface Af (CaAa)	117.0000 - 102.0000	1	1	0.300 0.300	4.5000	11.0000	0.0000
CCI-65FP-045100	C	No	Surface Af (CaAa)	117.0000 - 102.0000	1	1	0.300 0.300	4.5000	11.0000	0.0000
**										
CCI-65FP-060100	A	No	Surface Af (CaAa)	31.0000 - 21.0000	1	1	-0.200 -0.200	6.0000	14.0000	0.0000
CCI-65FP-060100	C	No	Surface Af (CaAa)	31.0000 - 21.0000	1	1	-0.200 -0.200	6.0000	14.0000	0.0000
**										
**										
HB158-1-08U8-S8J18(1-5/8)	B	No	Surface Ar (CaAa)	138.0000 - 0.0000	1	1	0.340 0.360	1.9800		1.3000
**										
LDF7-50A(1-5/8)	B	No	Surface Ar (CaAa)	120.0000 - 0.0000	15	6	-0.100 0.100	1.9800		0.8200

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
**									
**									
**									
LDF7-50A(1-5/8)	C	No	No	Inside Pole	138.0000 - 0.0000	13	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.8200 0.8200 0.8200 0.8200
AVA6-50(1-1/4)	C	No	No	Inside Pole	138.0000 - 0.0000	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.4600 0.4600 0.4600 0.4600
**									

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
2" Rigid Conduit	C	No	No	Inside Pole	129.0000 - 0.0000	1	No Ice	0.0000	2.8000
							1/2" Ice	0.0000	2.8000
							1" Ice	0.0000	2.8000
							2" Ice	0.0000	2.8000
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	129.0000 - 0.0000	2	No Ice	0.0000	0.5840
							1/2" Ice	0.0000	0.5840
							1" Ice	0.0000	0.5840
							2" Ice	0.0000	0.5840
FB-L98B-034-XXXXXX(3/8)	C	No	No	Inside Pole	129.0000 - 0.0000	2	No Ice	0.0000	0.0500
							1/2" Ice	0.0000	0.0500
							1" Ice	0.0000	0.0500
							2" Ice	0.0000	0.0500
WR-VG66ST-BRD_CCIV2(7/8)	C	No	No	Inside Pole	129.0000 - 0.0000	4	No Ice	0.0000	0.8800
							1/2" Ice	0.0000	0.8800
							1" Ice	0.0000	0.8800
							2" Ice	0.0000	0.8800
AL7-50(1-5/8)	C	No	No	Inside Pole	129.0000 - 0.0000	6	No Ice	0.0000	0.5200
							1/2" Ice	0.0000	0.5200
							1" Ice	0.0000	0.5200
							2" Ice	0.0000	0.5200
**									
HB158-21U6M48-30F(1-5/8)	C	No	No	Inside Pole	73.0000 - 0.0000	4	No Ice	0.0000	2.3900
							1/2" Ice	0.0000	2.3900
							1" Ice	0.0000	2.3900
							2" Ice	0.0000	2.3900
LDF4-50A(1/2)	C	No	No	Inside Pole	50.0000 - 0.0000	1	No Ice	0.0000	0.1500
							1/2" Ice	0.0000	0.1500
							1" Ice	0.0000	0.1500
							2" Ice	0.0000	0.1500

Feed Line/Linear Appurtenances Section Areas

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
L1	140.0000-135.0000	A	0.000	0.000	0.000	0.000	0.0000
		B	0.000	0.000	0.594	0.000	0.0039
		C	0.000	0.000	0.000	0.000	0.0347
L2	135.0000-130.0000	A	0.000	0.000	0.000	0.000	0.0000
		B	0.000	0.000	0.990	0.000	0.0065
		C	0.000	0.000	0.000	0.000	0.0579
L3	130.0000-125.0000	A	0.000	0.000	0.000	0.000	0.0000
		B	0.000	0.000	0.990	0.000	0.0065
		C	0.000	0.000	0.000	0.000	0.1007
L4	125.0000-120.0000	A	0.000	0.000	0.000	0.000	0.0000
		B	0.000	0.000	0.990	0.000	0.0065
		C	0.000	0.000	0.000	0.000	0.1114
L5	120.0000-115.0000	A	0.000	0.000	1.500	0.000	0.0000
		B	0.000	0.000	8.430	0.000	0.0680
		C	0.000	0.000	1.500	0.000	0.1114
L6	115.0000-114.7500	A	0.000	0.000	0.188	0.000	0.0000
		B	0.000	0.000	0.534	0.000	0.0034
		C	0.000	0.000	0.188	0.000	0.0056
L7	114.7500-109.7500	A	0.000	0.000	3.750	0.000	0.0000
		B	0.000	0.000	10.680	0.000	0.0680
		C	0.000	0.000	3.750	0.000	0.1114
L8	109.7500-104.7500	A	0.000	0.000	3.750	0.000	0.0000
		B	0.000	0.000	10.680	0.000	0.0680

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
		C	0.000	0.000	3.750	0.000	0.1114
L9	104.7500-101.5800	A	0.000	0.000	2.063	0.000	0.0000
		B	0.000	0.000	6.456	0.000	0.0431
		C	0.000	0.000	2.063	0.000	0.0707
L10	101.5800-101.3300	A	0.000	0.000	0.000	0.000	0.0000
		B	0.000	0.000	0.346	0.000	0.0034
		C	0.000	0.000	0.000	0.000	0.0056
L11	101.3300-96.3300	A	0.000	0.000	0.000	0.000	0.0000
		B	0.000	0.000	6.930	0.000	0.0680
		C	0.000	0.000	0.000	0.000	0.1114
L12	96.3300-91.3300	A	0.000	0.000	1.670	0.000	0.0000
		B	0.000	0.000	8.600	0.000	0.0680
		C	0.000	0.000	1.670	0.000	0.1114
L13	91.3300-91.0000	A	0.000	0.000	0.330	0.000	0.0000
		B	0.000	0.000	0.787	0.000	0.0045
		C	0.000	0.000	0.330	0.000	0.0074
L14	91.0000-90.7500	A	0.000	0.000	0.250	0.000	0.0000
		B	0.000	0.000	0.597	0.000	0.0034
		C	0.000	0.000	0.250	0.000	0.0056
L15	90.7500-85.7500	A	0.000	0.000	5.000	0.000	0.0000
		B	0.000	0.000	11.930	0.000	0.0680
		C	0.000	0.000	5.000	0.000	0.1114
L16	85.7500-80.7500	A	0.000	0.000	5.000	0.000	0.0000
		B	0.000	0.000	11.930	0.000	0.0680
		C	0.000	0.000	5.000	0.000	0.1114
L17	80.7500-75.7500	A	0.000	0.000	5.000	0.000	0.0000
		B	0.000	0.000	11.930	0.000	0.0680
		C	0.000	0.000	5.000	0.000	0.1114
L18	75.7500-70.7500	A	0.000	0.000	6.198	0.000	0.0000
		B	0.000	0.000	13.128	0.000	0.0680
		C	0.000	0.000	6.198	0.000	0.1329
L19	70.7500-69.9800	A	0.000	0.000	1.508	0.000	0.0000
		B	0.000	0.000	2.575	0.000	0.0105
		C	0.000	0.000	1.508	0.000	0.0245
L20	69.9800-69.7300	A	0.000	0.000	0.490	0.000	0.0000
		B	0.000	0.000	0.836	0.000	0.0034
		C	0.000	0.000	0.490	0.000	0.0080
L21	69.7300-64.7300	A	0.000	0.000	6.792	0.000	0.0000
		B	0.000	0.000	13.722	0.000	0.0680
		C	0.000	0.000	6.792	0.000	0.1592
L22	64.7300-63.0000	A	0.000	0.000	3.388	0.000	0.0000
		B	0.000	0.000	5.786	0.000	0.0235
		C	0.000	0.000	3.388	0.000	0.0551
L23	63.0000-62.7500	A	0.000	0.000	0.490	0.000	0.0000
		B	0.000	0.000	0.836	0.000	0.0034
		C	0.000	0.000	0.490	0.000	0.0080
L24	62.7500-59.0800	A	0.000	0.000	8.318	0.000	0.0000
		B	0.000	0.000	13.405	0.000	0.0499
		C	0.000	0.000	8.318	0.000	0.1169
L25	59.0800-58.8200	A	0.000	0.000	0.716	0.000	0.0000
		B	0.000	0.000	1.077	0.000	0.0035
		C	0.000	0.000	0.716	0.000	0.0083
L26	58.8200-58.6700	A	0.000	0.000	0.413	0.000	0.0000
		B	0.000	0.000	0.621	0.000	0.0020
		C	0.000	0.000	0.413	0.000	0.0048
L27	58.6700-53.6700	A	0.000	0.000	10.584	0.000	0.0000
		B	0.000	0.000	17.514	0.000	0.0680
		C	0.000	0.000	10.584	0.000	0.1592
L28	53.6700-48.5800	A	0.000	0.000	9.642	0.000	0.0000
		B	0.000	0.000	16.696	0.000	0.0692
		C	0.000	0.000	9.642	0.000	0.1623
L29	48.5800-47.5800	A	0.000	0.000	1.755	0.000	0.0000
		B	0.000	0.000	3.141	0.000	0.0136
		C	0.000	0.000	1.755	0.000	0.0320
L30	47.5800-42.5800	A	0.000	0.000	8.775	0.000	0.0000
		B	0.000	0.000	15.705	0.000	0.0680
		C	0.000	0.000	8.775	0.000	0.1600
L31	42.5800-39.6700	A	0.000	0.000	7.107	0.000	0.0000
		B	0.000	0.000	11.140	0.000	0.0396

Tower Sectio n	Tower Elevation ft	Face	A_R	A_F	C_{AA}	C_{AA}	Weight K
			ft^2	ft^2	In Face ft^2	Out Face ft^2	
L32	39.6700-39.4200	C	0.000	0.000	7.107	0.000	0.0931
		A	0.000	0.000	0.689	0.000	0.0000
		B	0.000	0.000	1.035	0.000	0.0034
L33	39.4200-34.4200	C	0.000	0.000	0.689	0.000	0.0080
		A	0.000	0.000	13.775	0.000	0.0000
		B	0.000	0.000	20.705	0.000	0.0680
L34	34.4200-32.5000	C	0.000	0.000	13.775	0.000	0.1600
		A	0.000	0.000	6.085	0.000	0.0000
		B	0.000	0.000	8.746	0.000	0.0261
L35	32.5000-32.2500	C	0.000	0.000	6.085	0.000	0.0614
		A	0.000	0.000	0.928	0.000	0.0000
		B	0.000	0.000	1.275	0.000	0.0034
L36	32.2500-31.4200	C	0.000	0.000	0.928	0.000	0.0080
		A	0.000	0.000	3.082	0.000	0.0000
		B	0.000	0.000	4.232	0.000	0.0113
L37	31.4200-31.1700	C	0.000	0.000	3.082	0.000	0.0266
		A	0.000	0.000	0.928	0.000	0.0000
		B	0.000	0.000	1.275	0.000	0.0034
L38	31.1700-29.0000	C	0.000	0.000	0.928	0.000	0.0080
		A	0.000	0.000	8.368	0.000	0.0000
		B	0.000	0.000	9.551	0.000	0.0295
L39	29.0000-28.6500	C	0.000	0.000	8.368	0.000	0.0694
		A	0.000	0.000	1.283	0.000	0.0000
		B	0.000	0.000	1.449	0.000	0.0048
L40	28.6500-28.4200	C	0.000	0.000	1.283	0.000	0.0112
		A	0.000	0.000	0.843	0.000	0.0000
		B	0.000	0.000	0.952	0.000	0.0031
L41	28.4200-23.5000	C	0.000	0.000	0.843	0.000	0.0074
		A	0.000	0.000	16.872	0.000	0.0000
		B	0.000	0.000	19.204	0.000	0.0669
L42	23.5000-23.2500	C	0.000	0.000	16.872	0.000	0.1574
		A	0.000	0.000	0.917	0.000	0.0000
		B	0.000	0.000	1.035	0.000	0.0034
L43	23.2500-23.0000	C	0.000	0.000	0.917	0.000	0.0080
		A	0.000	0.000	0.917	0.000	0.0000
		B	0.000	0.000	1.035	0.000	0.0034
L44	23.0000-22.7500	C	0.000	0.000	0.917	0.000	0.0080
		A	0.000	0.000	0.917	0.000	0.0000
		B	0.000	0.000	1.035	0.000	0.0034
L45	22.7500-17.7500	C	0.000	0.000	0.917	0.000	0.0080
		A	0.000	0.000	15.371	0.000	0.0000
		B	0.000	0.000	20.705	0.000	0.0680
L46	17.7500-12.7500	C	0.000	0.000	15.371	0.000	0.1600
		A	0.000	0.000	13.775	0.000	0.0000
		B	0.000	0.000	20.705	0.000	0.0680
L47	12.7500-7.7500	C	0.000	0.000	13.775	0.000	0.1600
		A	0.000	0.000	13.775	0.000	0.0000
		B	0.000	0.000	20.705	0.000	0.0680
L48	7.7500-2.7500	C	0.000	0.000	13.775	0.000	0.1600
		A	0.000	0.000	13.775	0.000	0.0000
		B	0.000	0.000	20.705	0.000	0.0680
L49	2.7500-0.0000	C	0.000	0.000	13.775	0.000	0.1600
		A	0.000	0.000	6.199	0.000	0.0000
		B	0.000	0.000	10.010	0.000	0.0374
		C	0.000	0.000	6.199	0.000	0.0880

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Sectio n	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R	A_F	C_{AA}	C_{AA}	Weight K
				ft^2	ft^2	In Face ft^2	Out Face ft^2	
L1	140.0000- 135.0000	A	1.471	0.000	0.000	0.000	0.000	0.0000
		B		0.000	0.000	1.476	0.000	0.0225
		C		0.000	0.000	0.000	0.000	0.0347
L2	135.0000- 130.0000	A	1.465	0.000	0.000	0.000	0.000	0.0000
		B		0.000	0.000	2.455	0.000	0.0373

Tower Section	Tower Elevation	Face or Leg	Ice Thickness	A _R	A _F	C _{AA} _{In Face}	C _{AA} _{Out Face}	Weight
n	ft		in	ft ²	ft ²	ft ²	ft ²	K
		C		0.000	0.000	0.000	0.000	0.0579
L3	130.0000-125.0000	A	1.459	0.000	0.000	0.000	0.000	0.0000
		B		0.000	0.000	2.449	0.000	0.0372
		C		0.000	0.000	0.000	0.000	0.1007
L4	125.0000-120.0000	A	1.454	0.000	0.000	0.000	0.000	0.0000
		B		0.000	0.000	2.444	0.000	0.0370
		C		0.000	0.000	0.000	0.000	0.1114
L5	120.0000-115.0000	A	1.448	0.000	0.000	2.072	0.000	0.0186
		B		0.000	0.000	13.744	0.000	0.2456
		C		0.000	0.000	2.072	0.000	0.1300
L6	115.0000-114.7500	A	1.444	0.000	0.000	0.259	0.000	0.0023
		B		0.000	0.000	0.842	0.000	0.0136
		C		0.000	0.000	0.259	0.000	0.0079
L7	114.7500-109.7500	A	1.441	0.000	0.000	5.175	0.000	0.0461
		B		0.000	0.000	16.833	0.000	0.2725
		C		0.000	0.000	5.175	0.000	0.1575
L8	109.7500-104.7500	A	1.434	0.000	0.000	5.170	0.000	0.0458
		B		0.000	0.000	16.812	0.000	0.2714
		C		0.000	0.000	5.170	0.000	0.1573
L9	104.7500-101.5800	A	1.429	0.000	0.000	2.841	0.000	0.0251
		B		0.000	0.000	10.214	0.000	0.1677
		C		0.000	0.000	2.841	0.000	0.0957
L10	101.5800-101.3300	A	1.427	0.000	0.000	0.000	0.000	0.0000
		B		0.000	0.000	0.581	0.000	0.0112
		C		0.000	0.000	0.000	0.000	0.0056
L11	101.3300-96.3300	A	1.423	0.000	0.000	0.000	0.000	0.0000
		B		0.000	0.000	11.616	0.000	0.2243
		C		0.000	0.000	0.000	0.000	0.1114
L12	96.3300-91.3300	A	1.415	0.000	0.000	2.143	0.000	0.0178
		B		0.000	0.000	13.742	0.000	0.2413
		C		0.000	0.000	2.143	0.000	0.1292
L13	91.3300-91.0000	A	1.411	0.000	0.000	0.423	0.000	0.0035
		B		0.000	0.000	1.188	0.000	0.0182
		C		0.000	0.000	0.423	0.000	0.0109
L14	91.0000-90.7500	A	1.411	0.000	0.000	0.321	0.000	0.0027
		B		0.000	0.000	0.900	0.000	0.0138
		C		0.000	0.000	0.321	0.000	0.0082
L15	90.7500-85.7500	A	1.407	0.000	0.000	6.407	0.000	0.0529
		B		0.000	0.000	17.987	0.000	0.2754
		C		0.000	0.000	6.407	0.000	0.1643
L16	85.7500-80.7500	A	1.399	0.000	0.000	6.399	0.000	0.0525
		B		0.000	0.000	17.960	0.000	0.2741
		C		0.000	0.000	6.399	0.000	0.1639
L17	80.7500-75.7500	A	1.390	0.000	0.000	6.390	0.000	0.0521
		B		0.000	0.000	17.932	0.000	0.2727
		C		0.000	0.000	6.390	0.000	0.1635
L18	75.7500-70.7500	A	1.381	0.000	0.000	7.874	0.000	0.0642
		B		0.000	0.000	19.396	0.000	0.2839
		C		0.000	0.000	7.874	0.000	0.1971
L19	70.7500-69.9800	A	1.375	0.000	0.000	1.901	0.000	0.0156
		B		0.000	0.000	3.673	0.000	0.0494
		C		0.000	0.000	1.901	0.000	0.0401
L20	69.9800-69.7300	A	1.374	0.000	0.000	0.617	0.000	0.0051
		B		0.000	0.000	1.192	0.000	0.0160
		C		0.000	0.000	0.617	0.000	0.0130
L21	69.7300-64.7300	A	1.369	0.000	0.000	8.499	0.000	0.0702
		B		0.000	0.000	19.994	0.000	0.2885
		C		0.000	0.000	8.499	0.000	0.2294
L22	64.7300-63.0000	A	1.362	0.000	0.000	4.170	0.000	0.0346
		B		0.000	0.000	8.142	0.000	0.1099
		C		0.000	0.000	4.170	0.000	0.0897
L23	63.0000-62.7500	A	1.360	0.000	0.000	0.602	0.000	0.0050
		B		0.000	0.000	1.176	0.000	0.0159
		C		0.000	0.000	0.602	0.000	0.0130
L24	62.7500-59.0800	A	1.356	0.000	0.000	10.358	0.000	0.0865
		B		0.000	0.000	18.773	0.000	0.2457
		C		0.000	0.000	10.358	0.000	0.2034
L25	59.0800-58.8200	A	1.351	0.000	0.000	0.904	0.000	0.0076
		B		0.000	0.000	1.499	0.000	0.0189

Tower Section	Tower Elevation	Face or Leg	Ice Thickness	A _R	A _F	C _A A _A In Face	C _A A _A Out Face	Weight
n	ft		in	ft ²	ft ²	ft ²	ft ²	K
		C		0.000	0.000	0.904	0.000	0.0159
L26	58.8200-58.6700	A	1.351	0.000	0.000	0.521	0.000	0.0044
		B		0.000	0.000	0.865	0.000	0.0109
		C		0.000	0.000	0.521	0.000	0.0092
L27	58.6700-53.6700	A	1.345	0.000	0.000	13.397	0.000	0.1129
		B		0.000	0.000	24.838	0.000	0.3286
		C		0.000	0.000	13.397	0.000	0.2721
L28	53.6700-48.5800	A	1.332	0.000	0.000	12.319	0.000	0.1024
		B		0.000	0.000	23.937	0.000	0.3206
		C		0.000	0.000	12.319	0.000	0.2647
L29	48.5800-47.5800	A	1.324	0.000	0.000	2.288	0.000	0.0188
		B		0.000	0.000	4.570	0.000	0.0617
		C		0.000	0.000	2.288	0.000	0.0508
L30	47.5800-42.5800	A	1.315	0.000	0.000	11.406	0.000	0.0927
		B		0.000	0.000	22.780	0.000	0.3052
		C		0.000	0.000	11.406	0.000	0.2527
L31	42.5800-39.6700	A	1.303	0.000	0.000	9.048	0.000	0.0725
		B		0.000	0.000	15.653	0.000	0.1955
		C		0.000	0.000	9.048	0.000	0.1656
L32	39.6700-39.4200	A	1.298	0.000	0.000	0.871	0.000	0.0069
		B		0.000	0.000	1.438	0.000	0.0175
		C		0.000	0.000	0.871	0.000	0.0149
L33	39.4200-34.4200	A	1.289	0.000	0.000	17.407	0.000	0.1377
		B		0.000	0.000	28.723	0.000	0.3474
		C		0.000	0.000	17.407	0.000	0.2977
L34	34.4200-32.5000	A	1.277	0.000	0.000	7.680	0.000	0.0598
		B		0.000	0.000	12.014	0.000	0.1398
		C		0.000	0.000	7.680	0.000	0.1212
L35	32.5000-32.2500	A	1.273	0.000	0.000	1.171	0.000	0.0090
		B		0.000	0.000	1.735	0.000	0.0194
		C		0.000	0.000	1.171	0.000	0.0170
L36	32.2500-31.4200	A	1.270	0.000	0.000	3.888	0.000	0.0299
		B		0.000	0.000	5.759	0.000	0.0644
		C		0.000	0.000	3.888	0.000	0.0565
L37	31.4200-31.1700	A	1.268	0.000	0.000	1.171	0.000	0.0090
		B		0.000	0.000	1.734	0.000	0.0194
		C		0.000	0.000	1.171	0.000	0.0170
L38	31.1700-29.0000	A	1.263	0.000	0.000	10.334	0.000	0.0820
		B		0.000	0.000	13.127	0.000	0.1533
		C		0.000	0.000	10.334	0.000	0.1514
L39	29.0000-28.6500	A	1.258	0.000	0.000	1.579	0.000	0.0126
		B		0.000	0.000	2.000	0.000	0.0238
		C		0.000	0.000	1.579	0.000	0.0238
L40	28.6500-28.4200	A	1.257	0.000	0.000	1.038	0.000	0.0082
		B		0.000	0.000	1.314	0.000	0.0156
		C		0.000	0.000	1.038	0.000	0.0156
L41	28.4200-23.5000	A	1.245	0.000	0.000	20.833	0.000	0.1636
		B		0.000	0.000	26.729	0.000	0.3207
		C		0.000	0.000	20.833	0.000	0.3210
L42	23.5000-23.2500	A	1.232	0.000	0.000	1.134	0.000	0.0087
		B		0.000	0.000	1.433	0.000	0.0167
		C		0.000	0.000	1.134	0.000	0.0167
L43	23.2500-23.0000	A	1.230	0.000	0.000	1.134	0.000	0.0087
		B		0.000	0.000	1.432	0.000	0.0167
		C		0.000	0.000	1.134	0.000	0.0167
L44	23.0000-22.7500	A	1.229	0.000	0.000	1.134	0.000	0.0087
		B		0.000	0.000	1.432	0.000	0.0166
		C		0.000	0.000	1.134	0.000	0.0167
L45	22.7500-17.7500	A	1.214	0.000	0.000	19.240	0.000	0.1430
		B		0.000	0.000	28.564	0.000	0.3293
		C		0.000	0.000	19.240	0.000	0.3030
L46	17.7500-12.7500	A	1.180	0.000	0.000	17.316	0.000	0.1232
		B		0.000	0.000	28.386	0.000	0.3213
		C		0.000	0.000	17.316	0.000	0.2832
L47	12.7500-7.7500	A	1.134	0.000	0.000	17.178	0.000	0.1172
		B		0.000	0.000	28.144	0.000	0.3105
		C		0.000	0.000	17.178	0.000	0.2772
L48	7.7500-2.7500	A	1.061	0.000	0.000	16.957	0.000	0.1079
		B		0.000	0.000	27.759	0.000	0.2936

Tower Section	Tower Elevation	Face or Leg	Ice Thickness	A _R	A _F	C _A A _A In Face	C _A A _A Out Face	Weight
n	ft		in	ft ²	ft ²	ft ²	ft ²	K
L49	2.7500-0.0000	C		0.000	0.000	16.957	0.000	0.2679
		A	0.928	0.000	0.000	7.451	0.000	0.0412
		B		0.000	0.000	13.227	0.000	0.1360
		C		0.000	0.000	7.451	0.000	0.1292

Feed Line Center of Pressure

Section	Elevation	CP _x	CP _z	CP _x	CP _z
	ft	in	in	Ice in	Ice in
L1	140.0000-135.0000	0.9594	0.2039	1.1619	0.2470
L2	135.0000-130.0000	1.4219	0.3022	1.7660	0.3754
L3	130.0000-125.0000	1.4554	0.3094	1.7923	0.3810
L4	125.0000-120.0000	1.4753	0.3136	1.8156	0.3859
L5	120.0000-115.0000	3.4832	-1.6368	3.8219	-1.6040
L6	115.0000-114.7500	2.5898	-1.2158	2.9401	-1.2325
L7	114.7500-109.7500	2.6274	-1.2324	2.9934	-1.2535
L8	109.7500-104.7500	2.6970	-1.2631	3.0929	-1.2928
L9	104.7500-101.5800	2.9163	-1.3641	3.3473	-1.3973
L10	101.5800-101.3300	4.6146	-2.1575	5.1259	-2.1386
L11	101.3300-96.3300	4.6378	-2.1668	5.1810	-2.1600
L12	96.3300-91.3300	3.6996	-1.7263	4.2961	-1.7888
L13	91.3300-91.0000	2.6273	-1.2251	3.1630	-1.3162
L14	91.0000-90.7500	2.6323	-1.2274	3.1693	-1.3188
L15	90.7500-85.7500	2.6632	-1.2411	3.2142	-1.3367
L16	85.7500-80.7500	2.7207	-1.2665	3.2980	-1.3703
L17	80.7500-75.7500	2.7765	-1.2912	3.3797	-1.4033
L18	75.7500-70.7500	2.5471	-1.1834	3.1431	-1.3042
L19	70.7500-69.9800	1.9847	-0.9216	2.5028	-1.0383
L20	69.9800-69.7300	1.9893	-0.9237	2.5092	-1.0409
L21	69.7300-64.7300	2.4548	-1.1393	3.0762	-1.2758
L22	64.7300-63.0000	2.0429	-0.9477	2.6139	-1.0839
L23	63.0000-62.7500	2.0522	-0.9518	2.6265	-1.0891
L24	62.7500-59.0800	1.8962	-0.8792	2.4233	-1.0048
L25	59.0800-58.8200	1.6892	-0.7830	2.1541	-0.8931
L26	58.8200-58.6700	1.6908	-0.7837	2.1562	-0.8940
L27	58.6700-53.6700	2.0379	-0.9442	2.5741	-1.0672
L28	53.6700-48.5800	2.2163	-1.0262	2.7819	-1.1535
L29	48.5800-47.5800	2.2908	-1.0606	2.8482	-1.1809
L30	47.5800-42.5800	2.3165	-1.0721	2.8829	-1.1964
L31	42.5800-39.6700	1.9437	-0.8991	2.4589	-1.0208
L32	39.6700-39.4200	1.8138	-0.8388	2.3072	-0.9580
L33	39.4200-34.4200	1.8328	-0.8473	2.3325	-0.9689
L34	34.4200-32.5000	1.6870	-0.7796	2.1539	-0.8952
L35	32.5000-32.2500	1.5120	-0.6987	1.9361	-0.8049
L36	32.2500-31.4200	1.5154	-0.7002	1.9405	-0.8068
L37	31.4200-31.1700	1.5189	-0.7018	1.9451	-0.8088
L38	31.1700-29.0000	1.3072	0.2834	1.7888	0.0753
L39	29.0000-28.6500	1.3495	0.3883	1.8578	0.1618
L40	28.6500-28.4200	1.3510	0.3890	1.8598	0.1622
L41	28.4200-23.5000	1.4320	0.4146	1.9614	0.1735
L42	23.5000-23.2500	1.3775	0.4009	1.8841	0.1689
L43	23.2500-23.0000	1.3788	0.4015	1.8858	0.1693
L44	23.0000-22.7500	1.3799	0.4020	1.8874	0.1697
L45	22.7500-17.7500	1.7387	-0.4058	2.2566	-0.5791

Section	Elevation	CP _x	CP _z	CP _x Ice	CP _z Ice
	ft	in	in	in	in
L46	17.7500-12.7500	1.9835	-0.9149	2.5113	-1.0505
L47	12.7500-7.7500	2.0169	-0.9299	2.5516	-1.0715
L48	7.7500-2.7500	2.0498	-0.9446	2.5867	-1.0936
L49	2.7500-0.0000	2.3372	-1.0767	2.9226	-1.2522

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	43	HB158-1-08U8-S8J18(1-5/8)	135.00 - 138.00	1.0000	1.0000
L2	43	HB158-1-08U8-S8J18(1-5/8)	130.00 - 135.00	1.0000	1.0000
L3	43	HB158-1-08U8-S8J18(1-5/8)	125.00 - 130.00	1.0000	1.0000
L4	43	HB158-1-08U8-S8J18(1-5/8)	120.00 - 125.00	1.0000	1.0000
L5	33	CCI-65FP-045100	115.00 - 117.00	1.0000	1.0000
L5	34	CCI-65FP-045100	115.00 - 117.00	1.0000	1.0000
L5	35	CCI-65FP-045100	115.00 - 117.00	1.0000	1.0000
L5	43	HB158-1-08U8-S8J18(1-5/8)	115.00 - 120.00	1.0000	1.0000
L5	52	LDF7-50A(1-5/8)	115.00 - 120.00	1.0000	1.0000
L6	33	CCI-65FP-045100	114.75 - 115.00	1.0000	1.0000
L6	34	CCI-65FP-045100	114.75 - 115.00	1.0000	1.0000
L6	35	CCI-65FP-045100	114.75 - 115.00	1.0000	1.0000
L6	43	HB158-1-08U8-S8J18(1-5/8)	114.75 - 115.00	1.0000	1.0000
L6	52	LDF7-50A(1-5/8)	114.75 - 115.00	1.0000	1.0000
L7	33	CCI-65FP-045100	109.75 - 114.75	1.0000	1.0000
L7	34	CCI-65FP-045100	109.75 - 114.75	1.0000	1.0000
L7	35	CCI-65FP-045100	109.75 - 114.75	1.0000	1.0000
L7	43	HB158-1-08U8-S8J18(1-5/8)	109.75 - 114.75	1.0000	1.0000
L7	52	LDF7-50A(1-5/8)	109.75 - 114.75	1.0000	1.0000
L8	33	CCI-65FP-045100	104.75 - 109.75	1.0000	1.0000
L8	34	CCI-65FP-045100	104.75 - 109.75	1.0000	1.0000
L8	35	CCI-65FP-045100	104.75 - 109.75	1.0000	1.0000
L8	43	HB158-1-08U8-S8J18(1-5/8)	104.75 - 109.75	1.0000	1.0000
L8	52	LDF7-50A(1-5/8)	104.75 - 109.75	1.0000	1.0000
L9	33	CCI-65FP-045100	102.00 - 104.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L9	34	CCI-65FP-045100	102.00 - 104.75	1.0000	1.0000
L9	35	CCI-65FP-045100	102.00 - 104.75	1.0000	1.0000
L9	43	HB158-1-08U8-S8J18(1- 5/8)	101.58 - 104.75	1.0000	1.0000
L9	52	LDF7-50A(1-5/8)	101.58 - 104.75	1.0000	1.0000
L10	43	HB158-1-08U8-S8J18(1- 5/8)	101.33 - 101.58	1.0000	1.0000
L10	52	LDF7-50A(1-5/8)	101.33 - 101.58	1.0000	1.0000
L11	43	HB158-1-08U8-S8J18(1- 5/8)	96.33 - 101.33	1.0000	1.0000
L11	52	LDF7-50A(1-5/8)	96.33 - 101.33	1.0000	1.0000
L12	29	CCI-65FP-060100	91.33 - 93.00	1.0000	1.0000
L12	30	CCI-65FP-060100	91.33 - 93.00	1.0000	1.0000
L12	31	CCI-65FP-060100	91.33 - 93.00	1.0000	1.0000
L12	43	HB158-1-08U8-S8J18(1- 5/8)	91.33 - 96.33	1.0000	1.0000
L12	52	LDF7-50A(1-5/8)	91.33 - 96.33	1.0000	1.0000
L13	29	CCI-65FP-060100	91.00 - 91.33	1.0000	1.0000
L13	30	CCI-65FP-060100	91.00 - 91.33	1.0000	1.0000
L13	31	CCI-65FP-060100	91.00 - 91.33	1.0000	1.0000
L13	43	HB158-1-08U8-S8J18(1- 5/8)	91.00 - 91.33	1.0000	1.0000
L13	52	LDF7-50A(1-5/8)	91.00 - 91.33	1.0000	1.0000
L14	29	CCI-65FP-060100	90.75 - 91.00	1.0000	1.0000
L14	30	CCI-65FP-060100	90.75 - 91.00	1.0000	1.0000
L14	31	CCI-65FP-060100	90.75 - 91.00	1.0000	1.0000
L14	43	HB158-1-08U8-S8J18(1- 5/8)	90.75 - 91.00	1.0000	1.0000
L14	52	LDF7-50A(1-5/8)	90.75 - 91.00	1.0000	1.0000
L15	29	CCI-65FP-060100	85.75 - 90.75	1.0000	1.0000
L15	30	CCI-65FP-060100	85.75 - 90.75	1.0000	1.0000
L15	31	CCI-65FP-060100	85.75 - 90.75	1.0000	1.0000
L15	43	HB158-1-08U8-S8J18(1- 5/8)	85.75 - 90.75	1.0000	1.0000
L15	52	LDF7-50A(1-5/8)	85.75 - 90.75	1.0000	1.0000
L16	29	CCI-65FP-060100	80.75 - 85.75	1.0000	1.0000
L16	30	CCI-65FP-060100	80.75 - 85.75	1.0000	1.0000
L16	31	CCI-65FP-060100	80.75 - 85.75	1.0000	1.0000
L16	43	HB158-1-08U8-S8J18(1- 5/8)	80.75 - 85.75	1.0000	1.0000
L16	52	LDF7-50A(1-5/8)	80.75 - 85.75	1.0000	1.0000
L17	29	CCI-65FP-060100	75.75 - 80.75	1.0000	1.0000
L17	30	CCI-65FP-060100	75.75 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
			80.75		
L17	31	CCI-65FP-060100	75.75 - 80.75	1.0000	1.0000
L17	43	HB158-1-08U8-S8J18(1-5/8)	75.75 - 80.75	1.0000	1.0000
L17	52	LDF7-50A(1-5/8)	75.75 - 80.75	1.0000	1.0000
L18	9	5.75" x 1" Flat Plate (G)	70.75 - 72.00	1.0000	1.0000
L18	10	5.75" x 1" Flat Plate (G)	70.75 - 72.00	1.0000	1.0000
L18	11	5.75" x 1" Flat Plate (G)	70.75 - 72.00	1.0000	1.0000
L18	29	CCI-65FP-060100	70.75 - 75.75	1.0000	1.0000
L18	30	CCI-65FP-060100	70.75 - 75.75	1.0000	1.0000
L18	31	CCI-65FP-060100	70.75 - 75.75	1.0000	1.0000
L18	43	HB158-1-08U8-S8J18(1-5/8)	70.75 - 75.75	1.0000	1.0000
L18	52	LDF7-50A(1-5/8)	70.75 - 75.75	1.0000	1.0000
L19	9	5.75" x 1" Flat Plate (G)	69.98 - 70.75	1.0000	1.0000
L19	10	5.75" x 1" Flat Plate (G)	69.98 - 70.75	1.0000	1.0000
L19	11	5.75" x 1" Flat Plate (G)	69.98 - 70.75	1.0000	1.0000
L19	29	CCI-65FP-060100	69.98 - 70.75	1.0000	1.0000
L19	30	CCI-65FP-060100	69.98 - 70.75	1.0000	1.0000
L19	31	CCI-65FP-060100	69.98 - 70.75	1.0000	1.0000
L19	43	HB158-1-08U8-S8J18(1-5/8)	69.98 - 70.75	1.0000	1.0000
L19	52	LDF7-50A(1-5/8)	69.98 - 70.75	1.0000	1.0000
L20	9	5.75" x 1" Flat Plate (G)	69.73 - 69.98	1.0000	1.0000
L20	10	5.75" x 1" Flat Plate (G)	69.73 - 69.98	1.0000	1.0000
L20	11	5.75" x 1" Flat Plate (G)	69.73 - 69.98	1.0000	1.0000
L20	29	CCI-65FP-060100	69.73 - 69.98	1.0000	1.0000
L20	30	CCI-65FP-060100	69.73 - 69.98	1.0000	1.0000
L20	31	CCI-65FP-060100	69.73 - 69.98	1.0000	1.0000
L20	43	HB158-1-08U8-S8J18(1-5/8)	69.73 - 69.98	1.0000	1.0000
L20	52	LDF7-50A(1-5/8)	69.73 - 69.98	1.0000	1.0000
L21	9	5.75" x 1" Flat Plate (G)	64.73 - 69.73	1.0000	1.0000
L21	10	5.75" x 1" Flat Plate (G)	64.73 - 69.73	1.0000	1.0000
L21	11	5.75" x 1" Flat Plate (G)	64.73 - 69.73	1.0000	1.0000
L21	25	CCI-65FP-060100	64.73 - 65.00	1.0000	1.0000
L21	26	CCI-65FP-060100	64.73 - 65.00	1.0000	1.0000
L21	27	CCI-65FP-060100	64.73 - 65.00	1.0000	1.0000
L21	29	CCI-65FP-060100	68.00 - 69.73	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L21	30	CCI-65FP-060100	68.00 - 69.73	1.0000	1.0000
L21	31	CCI-65FP-060100	68.00 - 69.73	1.0000	1.0000
L21	43	HB158-1-08U8-S8J18(1-5/8)	64.73 - 69.73	1.0000	1.0000
L21	52	LDF7-50A(1-5/8)	64.73 - 69.73	1.0000	1.0000
L22	9	5.75" x 1" Flat Plate (G)	63.00 - 64.73	1.0000	1.0000
L22	10	5.75" x 1" Flat Plate (G)	63.00 - 64.73	1.0000	1.0000
L22	11	5.75" x 1" Flat Plate (G)	63.00 - 64.73	1.0000	1.0000
L22	25	CCI-65FP-060100	63.00 - 64.73	1.0000	1.0000
L22	26	CCI-65FP-060100	63.00 - 64.73	1.0000	1.0000
L22	27	CCI-65FP-060100	63.00 - 64.73	1.0000	1.0000
L22	43	HB158-1-08U8-S8J18(1-5/8)	63.00 - 64.73	1.0000	1.0000
L22	52	LDF7-50A(1-5/8)	63.00 - 64.73	1.0000	1.0000
L23	9	5.75" x 1" Flat Plate (G)	62.75 - 63.00	1.0000	1.0000
L23	10	5.75" x 1" Flat Plate (G)	62.75 - 63.00	1.0000	1.0000
L23	11	5.75" x 1" Flat Plate (G)	62.75 - 63.00	1.0000	1.0000
L23	25	CCI-65FP-060100	62.75 - 63.00	1.0000	1.0000
L23	26	CCI-65FP-060100	62.75 - 63.00	1.0000	1.0000
L23	27	CCI-65FP-060100	62.75 - 63.00	1.0000	1.0000
L23	43	HB158-1-08U8-S8J18(1-5/8)	62.75 - 63.00	1.0000	1.0000
L23	52	LDF7-50A(1-5/8)	62.75 - 63.00	1.0000	1.0000
L24	9	5.75" x 1" Flat Plate (G)	59.08 - 62.75	1.0000	1.0000
L24	10	5.75" x 1" Flat Plate (G)	59.08 - 62.75	1.0000	1.0000
L24	11	5.75" x 1" Flat Plate (G)	59.08 - 62.75	1.0000	1.0000
L24	13	MP3-04	59.08 - 60.50	1.0000	1.0000
L24	14	MP3-04	59.08 - 60.50	1.0000	1.0000
L24	15	MP3-04	59.08 - 60.50	1.0000	1.0000
L24	25	CCI-65FP-060100	59.08 - 62.75	1.0000	1.0000
L24	26	CCI-65FP-060100	59.08 - 62.75	1.0000	1.0000
L24	27	CCI-65FP-060100	59.08 - 62.75	1.0000	1.0000
L24	43	HB158-1-08U8-S8J18(1-5/8)	59.08 - 62.75	1.0000	1.0000
L24	52	LDF7-50A(1-5/8)	59.08 - 62.75	1.0000	1.0000
L25	9	5.75" x 1" Flat Plate (G)	58.82 - 59.08	1.0000	1.0000
L25	10	5.75" x 1" Flat Plate (G)	58.82 - 59.08	1.0000	1.0000
L25	11	5.75" x 1" Flat Plate (G)	58.82 - 59.08	1.0000	1.0000
L25	13	MP3-04	58.82 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
			59.08		
L25	14	MP3-04	58.82 - 59.08	1.0000	1.0000
L25	15	MP3-04	58.82 - 59.08	1.0000	1.0000
L25	25	CCI-65FP-060100	58.82 - 59.08	1.0000	1.0000
L25	26	CCI-65FP-060100	58.82 - 59.08	1.0000	1.0000
L25	27	CCI-65FP-060100	58.82 - 59.08	1.0000	1.0000
L25	43	HB158-1-08U8-S8J18(1-5/8)	58.82 - 59.08	1.0000	1.0000
L25	52	LDF7-50A(1-5/8)	58.82 - 59.08	1.0000	1.0000
L26	9	5.75" x 1" Flat Plate (G)	58.67 - 58.82	1.0000	1.0000
L26	10	5.75" x 1" Flat Plate (G)	58.67 - 58.82	1.0000	1.0000
L26	11	5.75" x 1" Flat Plate (G)	58.67 - 58.82	1.0000	1.0000
L26	13	MP3-04	58.67 - 58.82	1.0000	1.0000
L26	14	MP3-04	58.67 - 58.82	1.0000	1.0000
L26	15	MP3-04	58.67 - 58.82	1.0000	1.0000
L26	25	CCI-65FP-060100	58.67 - 58.82	1.0000	1.0000
L26	26	CCI-65FP-060100	58.67 - 58.82	1.0000	1.0000
L26	27	CCI-65FP-060100	58.67 - 58.82	1.0000	1.0000
L26	43	HB158-1-08U8-S8J18(1-5/8)	58.67 - 58.82	1.0000	1.0000
L26	52	LDF7-50A(1-5/8)	58.67 - 58.82	1.0000	1.0000
L27	9	5.75" x 1" Flat Plate (G)	57.00 - 58.67	1.0000	1.0000
L27	10	5.75" x 1" Flat Plate (G)	57.00 - 58.67	1.0000	1.0000
L27	11	5.75" x 1" Flat Plate (G)	57.00 - 58.67	1.0000	1.0000
L27	13	MP3-04	53.67 - 58.67	1.0000	1.0000
L27	14	MP3-04	53.67 - 58.67	1.0000	1.0000
L27	15	MP3-04	53.67 - 58.67	1.0000	1.0000
L27	25	CCI-65FP-060100	53.67 - 58.67	1.0000	1.0000
L27	26	CCI-65FP-060100	53.67 - 58.67	1.0000	1.0000
L27	27	CCI-65FP-060100	53.67 - 58.67	1.0000	1.0000
L27	43	HB158-1-08U8-S8J18(1-5/8)	53.67 - 58.67	1.0000	1.0000
L27	52	LDF7-50A(1-5/8)	53.67 - 58.67	1.0000	1.0000
L28	5	5.75" x 1" Flat Plate (G)	48.58 - 50.58	1.0000	1.0000
L28	6	5.75" x 1" Flat Plate (G)	48.58 - 50.58	1.0000	1.0000
L28	7	5.75" x 1" Flat Plate (G)	48.58 - 50.58	1.0000	1.0000
L28	13	MP3-04	48.58 - 53.67	1.0000	1.0000
L28	14	MP3-04	48.58 - 53.67	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L28	15	MP3-04	48.58 - 53.67	1.0000	1.0000
L28	25	CCI-65FP-060100	50.00 - 53.67	1.0000	1.0000
L28	26	CCI-65FP-060100	50.00 - 53.67	1.0000	1.0000
L28	27	CCI-65FP-060100	50.00 - 53.67	1.0000	1.0000
L28	43	HB158-1-08U8-S8J18(1-5/8)	48.58 - 53.67	1.0000	1.0000
L28	52	LDF7-50A(1-5/8)	48.58 - 53.67	1.0000	1.0000
L30	5	5.75" x 1" Flat Plate (G)	42.58 - 47.58	1.0000	1.0000
L30	6	5.75" x 1" Flat Plate (G)	42.58 - 47.58	1.0000	1.0000
L30	7	5.75" x 1" Flat Plate (G)	42.58 - 47.58	1.0000	1.0000
L30	13	MP3-04	42.58 - 47.58	1.0000	1.0000
L30	14	MP3-04	42.58 - 47.58	1.0000	1.0000
L30	15	MP3-04	42.58 - 47.58	1.0000	1.0000
L30	43	HB158-1-08U8-S8J18(1-5/8)	42.58 - 47.58	1.0000	1.0000
L30	52	LDF7-50A(1-5/8)	42.58 - 47.58	1.0000	1.0000
L31	5	5.75" x 1" Flat Plate (G)	39.67 - 42.58	1.0000	1.0000
L31	6	5.75" x 1" Flat Plate (G)	39.67 - 42.58	1.0000	1.0000
L31	7	5.75" x 1" Flat Plate (G)	39.67 - 42.58	1.0000	1.0000
L31	13	MP3-04	39.67 - 42.58	1.0000	1.0000
L31	14	MP3-04	39.67 - 42.58	1.0000	1.0000
L31	15	MP3-04	39.67 - 42.58	1.0000	1.0000
L31	17	CCI-65FP-060100	39.67 - 41.67	1.0000	1.0000
L31	18	CCI-65FP-060100	39.67 - 41.67	1.0000	1.0000
L31	19	CCI-65FP-060100	39.67 - 41.67	1.0000	1.0000
L31	43	HB158-1-08U8-S8J18(1-5/8)	39.67 - 42.58	1.0000	1.0000
L31	52	LDF7-50A(1-5/8)	39.67 - 42.58	1.0000	1.0000
L32	5	5.75" x 1" Flat Plate (G)	39.42 - 39.67	1.0000	1.0000
L32	6	5.75" x 1" Flat Plate (G)	39.42 - 39.67	1.0000	1.0000
L32	7	5.75" x 1" Flat Plate (G)	39.42 - 39.67	1.0000	1.0000
L32	13	MP3-04	39.42 - 39.67	1.0000	1.0000
L32	14	MP3-04	39.42 - 39.67	1.0000	1.0000
L32	15	MP3-04	39.42 - 39.67	1.0000	1.0000
L32	17	CCI-65FP-060100	39.42 - 39.67	1.0000	1.0000
L32	18	CCI-65FP-060100	39.42 - 39.67	1.0000	1.0000
L32	19	CCI-65FP-060100	39.42 - 39.67	1.0000	1.0000
L32	43	HB158-1-08U8-S8J18(1-	39.42 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L32	52	LDF7-50A(1-5/8)	39.67 39.42 - 39.67	1.0000	1.0000
L33	5	5.75" x 1" Flat Plate (G)	34.42 - 39.42	1.0000	1.0000
L33	6	5.75" x 1" Flat Plate (G)	34.42 - 39.42	1.0000	1.0000
L33	7	5.75" x 1" Flat Plate (G)	34.42 - 39.42	1.0000	1.0000
L33	13	MP3-04	34.42 - 39.42	1.0000	1.0000
L33	14	MP3-04	34.42 - 39.42	1.0000	1.0000
L33	15	MP3-04	34.42 - 39.42	1.0000	1.0000
L33	17	CCI-65FP-060100	34.42 - 39.42	1.0000	1.0000
L33	18	CCI-65FP-060100	34.42 - 39.42	1.0000	1.0000
L33	19	CCI-65FP-060100	34.42 - 39.42	1.0000	1.0000
L33	43	HB158-1-08U8-S8J18(1-5/8)	34.42 - 39.42	1.0000	1.0000
L33	52	LDF7-50A(1-5/8)	34.42 - 39.42	1.0000	1.0000
L34	1	5.75" x 1" Flat Plate (G)	32.50 - 33.33	1.0000	1.0000
L34	2	5.75" x 1" Flat Plate (G)	32.50 - 33.33	1.0000	1.0000
L34	3	5.75" x 1" Flat Plate (G)	32.50 - 33.33	1.0000	1.0000
L34	5	5.75" x 1" Flat Plate (G)	32.50 - 34.42	1.0000	1.0000
L34	6	5.75" x 1" Flat Plate (G)	32.50 - 34.42	1.0000	1.0000
L34	7	5.75" x 1" Flat Plate (G)	32.50 - 34.42	1.0000	1.0000
L34	13	MP3-04	32.50 - 34.42	1.0000	1.0000
L34	14	MP3-04	32.50 - 34.42	1.0000	1.0000
L34	15	MP3-04	32.50 - 34.42	1.0000	1.0000
L34	17	CCI-65FP-060100	32.50 - 34.42	1.0000	1.0000
L34	18	CCI-65FP-060100	32.50 - 34.42	1.0000	1.0000
L34	19	CCI-65FP-060100	32.50 - 34.42	1.0000	1.0000
L34	43	HB158-1-08U8-S8J18(1-5/8)	32.50 - 34.42	1.0000	1.0000
L34	52	LDF7-50A(1-5/8)	32.50 - 34.42	1.0000	1.0000
L35	1	5.75" x 1" Flat Plate (G)	32.25 - 32.50	1.0000	1.0000
L35	2	5.75" x 1" Flat Plate (G)	32.25 - 32.50	1.0000	1.0000
L35	3	5.75" x 1" Flat Plate (G)	32.25 - 32.50	1.0000	1.0000
L35	5	5.75" x 1" Flat Plate (G)	32.25 - 32.50	1.0000	1.0000
L35	6	5.75" x 1" Flat Plate (G)	32.25 - 32.50	1.0000	1.0000
L35	7	5.75" x 1" Flat Plate (G)	32.25 - 32.50	1.0000	1.0000
L35	13	MP3-04	32.25 - 32.50	1.0000	1.0000
L35	14	MP3-04	32.25 - 32.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L35	15	MP3-04	32.25 - 32.50	1.0000	1.0000
L35	17	CCI-65FP-060100	32.25 - 32.50	1.0000	1.0000
L35	18	CCI-65FP-060100	32.25 - 32.50	1.0000	1.0000
L35	19	CCI-65FP-060100	32.25 - 32.50	1.0000	1.0000
L35	43	HB158-1-08U8-S8J18(1-5/8)	32.25 - 32.50	1.0000	1.0000
L35	52	LDF7-50A(1-5/8)	32.25 - 32.50	1.0000	1.0000
L36	1	5.75" x 1" Flat Plate (G)	31.42 - 32.25	1.0000	1.0000
L36	2	5.75" x 1" Flat Plate (G)	31.42 - 32.25	1.0000	1.0000
L36	3	5.75" x 1" Flat Plate (G)	31.42 - 32.25	1.0000	1.0000
L36	5	5.75" x 1" Flat Plate (G)	31.42 - 32.25	1.0000	1.0000
L36	6	5.75" x 1" Flat Plate (G)	31.42 - 32.25	1.0000	1.0000
L36	7	5.75" x 1" Flat Plate (G)	31.42 - 32.25	1.0000	1.0000
L36	13	MP3-04	31.42 - 32.25	1.0000	1.0000
L36	14	MP3-04	31.42 - 32.25	1.0000	1.0000
L36	15	MP3-04	31.42 - 32.25	1.0000	1.0000
L36	17	CCI-65FP-060100	31.42 - 32.25	1.0000	1.0000
L36	18	CCI-65FP-060100	31.42 - 32.25	1.0000	1.0000
L36	19	CCI-65FP-060100	31.42 - 32.25	1.0000	1.0000
L36	43	HB158-1-08U8-S8J18(1-5/8)	31.42 - 32.25	1.0000	1.0000
L36	52	LDF7-50A(1-5/8)	31.42 - 32.25	1.0000	1.0000
L37	1	5.75" x 1" Flat Plate (G)	31.17 - 31.42	1.0000	1.0000
L37	2	5.75" x 1" Flat Plate (G)	31.17 - 31.42	1.0000	1.0000
L37	3	5.75" x 1" Flat Plate (G)	31.17 - 31.42	1.0000	1.0000
L37	5	5.75" x 1" Flat Plate (G)	31.17 - 31.42	1.0000	1.0000
L37	6	5.75" x 1" Flat Plate (G)	31.17 - 31.42	1.0000	1.0000
L37	7	5.75" x 1" Flat Plate (G)	31.17 - 31.42	1.0000	1.0000
L37	13	MP3-04	31.17 - 31.42	1.0000	1.0000
L37	14	MP3-04	31.17 - 31.42	1.0000	1.0000
L37	15	MP3-04	31.17 - 31.42	1.0000	1.0000
L37	17	CCI-65FP-060100	31.17 - 31.42	1.0000	1.0000
L37	18	CCI-65FP-060100	31.17 - 31.42	1.0000	1.0000
L37	19	CCI-65FP-060100	31.17 - 31.42	1.0000	1.0000
L37	43	HB158-1-08U8-S8J18(1-5/8)	31.17 - 31.42	1.0000	1.0000
L37	52	LDF7-50A(1-5/8)	31.17 - 31.42	1.0000	1.0000
L38	1	5.75" x 1" Flat Plate (G)	29.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L38	2	5.75" x 1" Flat Plate (G)	31.17 29.00 - 31.17	1.0000	1.0000
L38	3	5.75" x 1" Flat Plate (G)	31.17 29.00 - 31.17	1.0000	1.0000
L38	5	5.75" x 1" Flat Plate (G)	30.58 - 31.17	1.0000	1.0000
L38	6	5.75" x 1" Flat Plate (G)	30.58 - 31.17	1.0000	1.0000
L38	7	5.75" x 1" Flat Plate (G)	30.58 - 31.17	1.0000	1.0000
L38	13	MP3-04	29.00 - 31.17	1.0000	1.0000
L38	14	MP3-04	29.00 - 31.17	1.0000	1.0000
L38	15	MP3-04	29.00 - 31.17	1.0000	1.0000
L38	17	CCI-65FP-060100	29.00 - 31.17	1.0000	1.0000
L38	18	CCI-65FP-060100	29.00 - 31.17	1.0000	1.0000
L38	19	CCI-65FP-060100	29.00 - 31.17	1.0000	1.0000
L38	37	CCI-65FP-060100	29.00 - 31.00	1.0000	1.0000
L38	38	CCI-65FP-060100	29.00 - 31.00	1.0000	1.0000
L38	43	HB158-1-08U8-S8J18(1-5/8)	29.00 - 31.17	1.0000	1.0000
L38	52	LDF7-50A(1-5/8)	29.00 - 31.17	1.0000	1.0000
L39	1	5.75" x 1" Flat Plate (G)	28.65 - 29.00	1.0000	1.0000
L39	2	5.75" x 1" Flat Plate (G)	28.65 - 29.00	1.0000	1.0000
L39	3	5.75" x 1" Flat Plate (G)	28.65 - 29.00	1.0000	1.0000
L39	13	MP3-04	28.65 - 29.00	1.0000	1.0000
L39	14	MP3-04	28.65 - 29.00	1.0000	1.0000
L39	15	MP3-04	28.65 - 29.00	1.0000	1.0000
L39	17	CCI-65FP-060100	28.65 - 29.00	1.0000	1.0000
L39	18	CCI-65FP-060100	28.65 - 29.00	1.0000	1.0000
L39	19	CCI-65FP-060100	28.65 - 29.00	1.0000	1.0000
L39	37	CCI-65FP-060100	28.65 - 29.00	1.0000	1.0000
L39	38	CCI-65FP-060100	28.65 - 29.00	1.0000	1.0000
L39	43	HB158-1-08U8-S8J18(1-5/8)	28.65 - 29.00	1.0000	1.0000
L39	52	LDF7-50A(1-5/8)	28.65 - 29.00	1.0000	1.0000
L40	1	5.75" x 1" Flat Plate (G)	28.42 - 28.65	1.0000	1.0000
L40	2	5.75" x 1" Flat Plate (G)	28.42 - 28.65	1.0000	1.0000
L40	3	5.75" x 1" Flat Plate (G)	28.42 - 28.65	1.0000	1.0000
L40	13	MP3-04	28.42 - 28.65	1.0000	1.0000
L40	14	MP3-04	28.42 - 28.65	1.0000	1.0000
L40	15	MP3-04	28.42 - 28.65	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L40	17	CCI-65FP-060100	28.42 - 28.65	1.0000	1.0000
L40	18	CCI-65FP-060100	28.42 - 28.65	1.0000	1.0000
L40	19	CCI-65FP-060100	28.42 - 28.65	1.0000	1.0000
L40	37	CCI-65FP-060100	28.42 - 28.65	1.0000	1.0000
L40	38	CCI-65FP-060100	28.42 - 28.65	1.0000	1.0000
L40	43	HB158-1-08U8-S8J18(1- 5/8)	28.42 - 28.65	1.0000	1.0000
L40	52	LDF7-50A(1-5/8)	28.42 - 28.65	1.0000	1.0000
L41	1	5.75" x 1" Flat Plate (G)	23.50 - 28.42	1.0000	1.0000
L41	2	5.75" x 1" Flat Plate (G)	23.50 - 28.42	1.0000	1.0000
L41	3	5.75" x 1" Flat Plate (G)	23.50 - 28.42	1.0000	1.0000
L41	13	MP3-04	23.50 - 28.42	1.0000	1.0000
L41	14	MP3-04	23.50 - 28.42	1.0000	1.0000
L41	15	MP3-04	23.50 - 28.42	1.0000	1.0000
L41	17	CCI-65FP-060100	26.67 - 28.42	1.0000	1.0000
L41	18	CCI-65FP-060100	26.67 - 28.42	1.0000	1.0000
L41	19	CCI-65FP-060100	26.67 - 28.42	1.0000	1.0000
L41	21	CCI-65FP-060100	23.50 - 25.50	1.0000	1.0000
L41	22	CCI-65FP-060100	23.50 - 25.50	1.0000	1.0000
L41	23	CCI-65FP-060100	23.50 - 25.50	1.0000	1.0000
L41	37	CCI-65FP-060100	23.50 - 28.42	1.0000	1.0000
L41	38	CCI-65FP-060100	23.50 - 28.42	1.0000	1.0000
L41	43	HB158-1-08U8-S8J18(1- 5/8)	23.50 - 28.42	1.0000	1.0000
L41	52	LDF7-50A(1-5/8)	23.50 - 28.42	1.0000	1.0000
L42	1	5.75" x 1" Flat Plate (G)	23.25 - 23.50	1.0000	1.0000
L42	2	5.75" x 1" Flat Plate (G)	23.25 - 23.50	1.0000	1.0000
L42	3	5.75" x 1" Flat Plate (G)	23.25 - 23.50	1.0000	1.0000
L42	13	MP3-04	23.25 - 23.50	1.0000	1.0000
L42	14	MP3-04	23.25 - 23.50	1.0000	1.0000
L42	15	MP3-04	23.25 - 23.50	1.0000	1.0000
L42	21	CCI-65FP-060100	23.25 - 23.50	1.0000	1.0000
L42	22	CCI-65FP-060100	23.25 - 23.50	1.0000	1.0000
L42	23	CCI-65FP-060100	23.25 - 23.50	1.0000	1.0000
L42	37	CCI-65FP-060100	23.25 - 23.50	1.0000	1.0000
L42	38	CCI-65FP-060100	23.25 - 23.50	1.0000	1.0000
L42	43	HB158-1-08U8-S8J18(1-	23.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L42	52	5/8) LDF7-50A(1-5/8)	23.50 23.25 - 23.50	1.0000	1.0000
L43	1	5.75" x 1" Flat Plate (G)	23.00 - 23.25	1.0000	1.0000
L43	2	5.75" x 1" Flat Plate (G)	23.00 - 23.25	1.0000	1.0000
L43	3	5.75" x 1" Flat Plate (G)	23.00 - 23.25	1.0000	1.0000
L43	13	MP3-04	23.00 - 23.25	1.0000	1.0000
L43	14	MP3-04	23.00 - 23.25	1.0000	1.0000
L43	15	MP3-04	23.00 - 23.25	1.0000	1.0000
L43	21	CCI-65FP-060100	23.00 - 23.25	1.0000	1.0000
L43	22	CCI-65FP-060100	23.00 - 23.25	1.0000	1.0000
L43	23	CCI-65FP-060100	23.00 - 23.25	1.0000	1.0000
L43	37	CCI-65FP-060100	23.00 - 23.25	1.0000	1.0000
L43	38	CCI-65FP-060100	23.00 - 23.25	1.0000	1.0000
L43	43	HB158-1-08U8-S8J18(1-5/8)	23.00 - 23.25	1.0000	1.0000
L43	52	LDF7-50A(1-5/8)	23.00 - 23.25	1.0000	1.0000
L44	1	5.75" x 1" Flat Plate (G)	22.75 - 23.00	1.0000	1.0000
L44	2	5.75" x 1" Flat Plate (G)	22.75 - 23.00	1.0000	1.0000
L44	3	5.75" x 1" Flat Plate (G)	22.75 - 23.00	1.0000	1.0000
L44	13	MP3-04	22.75 - 23.00	1.0000	1.0000
L44	14	MP3-04	22.75 - 23.00	1.0000	1.0000
L44	15	MP3-04	22.75 - 23.00	1.0000	1.0000
L44	21	CCI-65FP-060100	22.75 - 23.00	1.0000	1.0000
L44	22	CCI-65FP-060100	22.75 - 23.00	1.0000	1.0000
L44	23	CCI-65FP-060100	22.75 - 23.00	1.0000	1.0000
L44	37	CCI-65FP-060100	22.75 - 23.00	1.0000	1.0000
L44	38	CCI-65FP-060100	22.75 - 23.00	1.0000	1.0000
L44	43	HB158-1-08U8-S8J18(1-5/8)	22.75 - 23.00	1.0000	1.0000
L44	52	LDF7-50A(1-5/8)	22.75 - 23.00	1.0000	1.0000
L45	1	5.75" x 1" Flat Plate (G)	17.75 - 22.75	1.0000	1.0000
L45	2	5.75" x 1" Flat Plate (G)	17.75 - 22.75	1.0000	1.0000
L45	3	5.75" x 1" Flat Plate (G)	17.75 - 22.75	1.0000	1.0000
L45	13	MP3-04	17.75 - 22.75	1.0000	1.0000
L45	14	MP3-04	17.75 - 22.75	1.0000	1.0000
L45	15	MP3-04	17.75 - 22.75	1.0000	1.0000
L45	21	CCI-65FP-060100	17.75 - 22.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L45	22	CCI-65FP-060100	17.75 - 22.75	1.0000	1.0000
L45	23	CCI-65FP-060100	17.75 - 22.75	1.0000	1.0000
L45	37	CCI-65FP-060100	21.00 - 22.75	1.0000	1.0000
L45	38	CCI-65FP-060100	21.00 - 22.75	1.0000	1.0000
L45	43	HB158-1-08U8-S8J18(1-5/8)	17.75 - 22.75	1.0000	1.0000
L45	52	LDF7-50A(1-5/8)	17.75 - 22.75	1.0000	1.0000
L46	1	5.75" x 1" Flat Plate (G)	12.75 - 17.75	1.0000	1.0000
L46	2	5.75" x 1" Flat Plate (G)	12.75 - 17.75	1.0000	1.0000
L46	3	5.75" x 1" Flat Plate (G)	12.75 - 17.75	1.0000	1.0000
L46	13	MP3-04	12.75 - 17.75	1.0000	1.0000
L46	14	MP3-04	12.75 - 17.75	1.0000	1.0000
L46	15	MP3-04	12.75 - 17.75	1.0000	1.0000
L46	21	CCI-65FP-060100	12.75 - 17.75	1.0000	1.0000
L46	22	CCI-65FP-060100	12.75 - 17.75	1.0000	1.0000
L46	23	CCI-65FP-060100	12.75 - 17.75	1.0000	1.0000
L46	43	HB158-1-08U8-S8J18(1-5/8)	12.75 - 17.75	1.0000	1.0000
L46	52	LDF7-50A(1-5/8)	12.75 - 17.75	1.0000	1.0000
L47	1	5.75" x 1" Flat Plate (G)	7.75 - 12.75	1.0000	1.0000
L47	2	5.75" x 1" Flat Plate (G)	7.75 - 12.75	1.0000	1.0000
L47	3	5.75" x 1" Flat Plate (G)	7.75 - 12.75	1.0000	1.0000
L47	13	MP3-04	7.75 - 12.75	1.0000	1.0000
L47	14	MP3-04	7.75 - 12.75	1.0000	1.0000
L47	15	MP3-04	7.75 - 12.75	1.0000	1.0000
L47	21	CCI-65FP-060100	7.75 - 12.75	1.0000	1.0000
L47	22	CCI-65FP-060100	7.75 - 12.75	1.0000	1.0000
L47	23	CCI-65FP-060100	7.75 - 12.75	1.0000	1.0000
L47	43	HB158-1-08U8-S8J18(1-5/8)	7.75 - 12.75	1.0000	1.0000
L47	52	LDF7-50A(1-5/8)	7.75 - 12.75	1.0000	1.0000
L48	1	5.75" x 1" Flat Plate (G)	2.75 - 7.75	1.0000	1.0000
L48	2	5.75" x 1" Flat Plate (G)	2.75 - 7.75	1.0000	1.0000
L48	3	5.75" x 1" Flat Plate (G)	2.75 - 7.75	1.0000	1.0000
L48	13	MP3-04	2.75 - 7.75	1.0000	1.0000
L48	14	MP3-04	2.75 - 7.75	1.0000	1.0000
L48	15	MP3-04	2.75 - 7.75	1.0000	1.0000
L48	21	CCI-65FP-060100	2.75 - 7.75	1.0000	1.0000
L48	22	CCI-65FP-060100	2.75 - 7.75	1.0000	1.0000
L48	23	CCI-65FP-060100	2.75 - 7.75	1.0000	1.0000
L48	43	HB158-1-08U8-S8J18(1-5/8)	2.75 - 7.75	1.0000	1.0000
L48	52	LDF7-50A(1-5/8)	2.75 - 7.75	1.0000	1.0000
L49	1	5.75" x 1" Flat Plate (G)	0.50 - 2.75	1.0000	1.0000
L49	2	5.75" x 1" Flat Plate (G)	0.50 - 2.75	1.0000	1.0000
L49	3	5.75" x 1" Flat Plate (G)	0.50 - 2.75	1.0000	1.0000
L49	13	MP3-04	0.50 - 2.75	1.0000	1.0000
L49	14	MP3-04	0.50 - 2.75	1.0000	1.0000
L49	15	MP3-04	0.50 - 2.75	1.0000	1.0000
L49	21	CCI-65FP-060100	0.50 - 2.75	1.0000	1.0000
L49	22	CCI-65FP-060100	0.50 - 2.75	1.0000	1.0000
L49	23	CCI-65FP-060100	0.50 - 2.75	1.0000	1.0000
L49	43	HB158-1-08U8-S8J18(1-5/8)	0.00 - 2.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L49	52	LDF7-50A(1-5/8)	0.00 -2.75	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
(2) HBXX-6516DS-A2M w/ Mount Pipe	A	From Leg	4.0000 0.0000 2.0000	0.0000	138.0000	No Ice	5.1800	3.9700	0.0498
						1/2" Ice	5.7000	4.4700	0.0944
						1" Ice	6.2400	4.9800	0.1474
						2" Ice	7.3600	6.0600	0.2796
(2) HBXX-6516DS-A2M w/ Mount Pipe	B	From Leg	4.0000 0.0000 2.0000	0.0000	138.0000	No Ice	5.1800	3.9700	0.0498
						1/2" Ice	5.7000	4.4700	0.0944
						1" Ice	6.2400	4.9800	0.1474
						2" Ice	7.3600	6.0600	0.2796
(2) HBXX-6516DS-A2M w/ Mount Pipe	C	From Leg	4.0000 0.0000 2.0000	0.0000	138.0000	No Ice	5.1800	3.9700	0.0498
						1/2" Ice	5.7000	4.4700	0.0944
						1" Ice	6.2400	4.9800	0.1474
						2" Ice	7.3600	6.0600	0.2796
X7C-FRO-660-VR0 w/ Mount Pipe	A	From Leg	4.0000 0.0000 2.0000	0.0000	138.0000	No Ice	8.8800	6.4400	0.0750
						1/2" Ice	9.6000	7.1300	0.1470
						1" Ice	10.3400	7.8300	0.2301
						2" Ice	11.8700	9.2900	0.4306
X7C-FRO-660-VR0 w/ Mount Pipe	B	From Leg	4.0000 0.0000 2.0000	0.0000	138.0000	No Ice	8.8800	6.4400	0.0750
						1/2" Ice	9.6000	7.1300	0.1470
						1" Ice	10.3400	7.8300	0.2301
						2" Ice	11.8700	9.2900	0.4306
X7C-FRO-660-VR0 w/ Mount Pipe	C	From Leg	4.0000 0.0000 2.0000	0.0000	138.0000	No Ice	8.8800	6.4400	0.0750
						1/2" Ice	9.6000	7.1300	0.1470
						1" Ice	10.3400	7.8300	0.2301
						2" Ice	11.8700	9.2900	0.4306
BXA-80063-6BF-EDIN-4 w/ Mount Pipe	A	From Leg	4.0000 0.0000 2.0000	0.0000	138.0000	No Ice	7.4998	5.6302	0.0437
						1/2" Ice	8.0328	6.7191	0.1029
						1" Ice	8.5348	7.5606	0.1695
						2" Ice	9.5641	9.2937	0.3290
BXA-80063-6BF-EDIN-4 w/ Mount Pipe	B	From Leg	4.0000 0.0000 2.0000	0.0000	138.0000	No Ice	7.4998	5.6302	0.0437
						1/2" Ice	8.0328	6.7191	0.1029
						1" Ice	8.5348	7.5606	0.1695
						2" Ice	9.5641	9.2937	0.3290
BXA-80063-6BF-EDIN-4 w/ Mount Pipe	C	From Leg	4.0000 0.0000 2.0000	0.0000	138.0000	No Ice	7.4998	5.6302	0.0437
						1/2" Ice	8.0328	6.7191	0.1029
						1" Ice	8.5348	7.5606	0.1695
						2" Ice	9.5641	9.2937	0.3290
AWS4 (B66) 4X45 RRH	A	From Leg	4.0000 0.0000 2.0000	0.0000	138.0000	No Ice	2.6600	1.5861	0.0640
						1/2" Ice	2.8781	1.7690	0.0844
						1" Ice	3.1037	1.9588	0.1078
						2" Ice	3.5770	2.3594	0.1650
AWS4 (B66) 4X45 RRH	B	From Leg	4.0000	0.0000	138.0000	No Ice	2.6600	1.5861	0.0640

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	
			0.0000			1/2"	2.8781	1.7690	0.0844
			2.0000			Ice	3.1037	1.9588	0.1078
						1" Ice	3.5770	2.3594	0.1650
						2" Ice			
AWS4 (B66) 4X45 RRH	C	From Leg	4.0000	0.0000	138.0000	No Ice	2.6600	1.5861	0.0640
			0.0000			1/2"	2.8781	1.7690	0.0844
			2.0000			Ice	3.1037	1.9588	0.1078
						1" Ice	3.5770	2.3594	0.1650
						2" Ice			
RRH2X60-PCS	A	From Leg	4.0000	0.0000	138.0000	No Ice	2.2000	1.7233	0.0550
			0.0000			1/2"	2.3926	1.9015	0.0754
			2.0000			Ice	2.5926	2.0870	0.0987
						1" Ice	3.0148	2.4804	0.1552
						2" Ice			
RRH2X60-PCS	B	From Leg	4.0000	0.0000	138.0000	No Ice	2.2000	1.7233	0.0550
			0.0000			1/2"	2.3926	1.9015	0.0754
			2.0000			Ice	2.5926	2.0870	0.0987
						1" Ice	3.0148	2.4804	0.1552
						2" Ice			
RRH2X60-PCS	C	From Leg	4.0000	0.0000	138.0000	No Ice	2.2000	1.7233	0.0550
			0.0000			1/2"	2.3926	1.9015	0.0754
			2.0000			Ice	2.5926	2.0870	0.0987
						1" Ice	3.0148	2.4804	0.1552
						2" Ice			
RRH2X60-700	A	From Leg	4.0000	0.0000	138.0000	No Ice	3.5002	1.8157	0.0600
			0.0000			1/2"	3.7609	2.0519	0.0827
			2.0000			Ice	4.0285	2.2894	0.1091
						1" Ice	4.5849	2.7852	0.1734
						2" Ice			
RRH2X60-700	B	From Leg	4.0000	0.0000	138.0000	No Ice	3.5002	1.8157	0.0600
			0.0000			1/2"	3.7609	2.0519	0.0827
			2.0000			Ice	4.0285	2.2894	0.1091
						1" Ice	4.5849	2.7852	0.1734
						2" Ice			
RRH2X60-700	C	From Leg	4.0000	0.0000	138.0000	No Ice	3.5002	1.8157	0.0600
			0.0000			1/2"	3.7609	2.0519	0.0827
			2.0000			Ice	4.0285	2.2894	0.1091
						1" Ice	4.5849	2.7852	0.1734
						2" Ice			
(2) DB-T1-6Z-8AB-0Z	C	From Leg	4.0000	0.0000	138.0000	No Ice	4.8000	2.0000	0.0440
			0.0000			1/2"	5.0704	2.1926	0.0801
			2.0000			Ice	5.3481	2.3926	0.1202
						1" Ice	5.9259	2.8148	0.2130
						2" Ice			
4' x 2" Pipe Mount	C	From Leg	4.0000	0.0000	138.0000	No Ice	0.7852	0.7852	0.0290
			0.0000			1/2"	1.0284	1.0284	0.0353
			0.0000			Ice	1.2809	1.2809	0.0445
						1" Ice	1.8136	1.8136	0.0718
						2" Ice			
Platform Mount [LP 403-1]	C	None		0.0000	138.0000	No Ice	18.9400	18.9400	1.5000
						1/2"	23.3100	23.3100	1.9017
						Ice	27.7400	27.7400	2.3739
						1" Ice	36.7700	36.7700	3.5301
						2" Ice			
**									
DB636-C	C	From Leg	4.0000	0.0000	138.0000	No Ice	2.3750	2.3750	0.0300
			0.0000			1/2"	3.3542	3.3542	0.0477
			7.0000			Ice	4.3500	4.3500	0.0717
						1" Ice	5.5813	5.5813	0.1388
						2" Ice			
**									
(2) HPA-65R-BUU-H6 w/ Mount Pipe	A	From Leg	4.0000	0.0000	129.0000	No Ice	9.2200	6.2500	0.0736
			0.0000			1/2"	9.9800	6.9600	0.1434
			0.0000			Ice	10.7600	7.7000	0.2242
						1" Ice	12.3600	9.2200	0.4201

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	
(2) HPA-65R-BUU-H6 w/ Mount Pipe	B	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	9.2200	6.2500	0.0736
						1/2"	9.9800	6.9600	0.1434
						Ice	10.7600	7.7000	0.2242
(2) HPA-65R-BUU-H6 w/ Mount Pipe	C	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	9.2200	6.2500	0.0736
						1/2"	9.9800	6.9600	0.1434
						Ice	10.7600	7.7000	0.2242
DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	11.9600	5.9700	0.1147
						1/2"	12.7000	6.6300	0.2009
						Ice	13.4600	7.3000	0.2985
DMP65R-BU6D w/ Mount Pipe	B	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	11.9600	5.9700	0.1147
						1/2"	12.7000	6.6300	0.2009
						Ice	13.4600	7.3000	0.2985
DMP65R-BU6D w/ Mount Pipe	C	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	11.9600	5.9700	0.1147
						1/2"	12.7000	6.6300	0.2009
						Ice	13.4600	7.3000	0.2985
OPA65R-BU6D w/ Mount Pipe	A	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	12.2500	6.0500	0.0888
						1/2"	13.0000	6.7100	0.1762
						Ice	13.7600	7.3900	0.2749
OPA65R-BU6D w/ Mount Pipe	B	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	12.2500	6.0500	0.0888
						1/2"	13.0000	6.7100	0.1762
						Ice	13.7600	7.3900	0.2749
OPA65R-BU6D w/ Mount Pipe	C	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	12.2500	6.0500	0.0888
						1/2"	13.0000	6.7100	0.1762
						Ice	13.7600	7.3900	0.2749
RRUS 32 B2	A	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	2.7313	1.6681	0.0529
						1/2"	2.9531	1.8552	0.0740
						Ice	3.1823	2.0493	0.0982
RRUS 32 B2	B	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	2.7313	1.6681	0.0529
						1/2"	2.9531	1.8552	0.0740
						Ice	3.1823	2.0493	0.0982
RRUS 32 B2	C	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	2.7313	1.6681	0.0529
						1/2"	2.9531	1.8552	0.0740
						Ice	3.1823	2.0493	0.0982
DC6-48-60-0-8C-EV	A	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	1.1445	1.1445	0.0262
						1/2"	1.7918	1.7918	0.0466
						Ice	2.0017	2.0017	0.0698
DC6-48-60-0-8C-EV	B	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	1.1445	1.1445	0.0262
						1/2"	1.7918	1.7918	0.0466
						Ice	2.0017	2.0017	0.0698
DC6-48-60-0-8C-EV						2" Ice			
						No Ice	2.4505	2.4505	0.1251
						1" Ice	2.4505	2.4505	0.1251
						1" Ice	2.4505	2.4505	0.1251

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
DC6-48-60-18-8C-EV	C	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	1.1445	1.1445	0.0262
						1/2"	1.7918	1.7918	0.0466
						Ice	2.0017	2.0017	0.0698
RRUS 32 B66A	A	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	1" Ice	2.4505	2.4505	0.1251
						2" Ice			
						No Ice	2.8635	1.7816	0.0551
						1/2"	3.0897	1.9730	0.0774
RRUS 32 B66A	B	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	Ice	3.3233	2.1713	0.1030
						1" Ice	3.8128	2.5890	0.1648
						2" Ice			
						No Ice	2.8635	1.7816	0.0551
RRUS 32 B66A	B	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	1/2"	3.0897	1.9730	0.0774
						Ice	3.3233	2.1713	0.1030
						1" Ice	3.8128	2.5890	0.1648
						2" Ice			
RRUS 32 B66A	C	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	No Ice	2.8635	1.7816	0.0551
						1/2"	3.0897	1.9730	0.0774
						Ice	3.3233	2.1713	0.1030
						1" Ice	3.8128	2.5890	0.1648
RRUS 4478 B14_CCIV2	A	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	2.0212	1.2459	0.0594
						1/2"	2.1999	1.3960	0.0770
						Ice	2.3860	1.5536	0.0974
RRUS 4478 B14_CCIV2	B	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	1" Ice	2.7804	1.8909	0.1473
						2" Ice			
						No Ice	2.0212	1.2459	0.0594
						1/2"	2.1999	1.3960	0.0770
RRUS 4478 B14_CCIV2	B	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	Ice	2.3860	1.5536	0.0974
						1" Ice	2.7804	1.8909	0.1473
						2" Ice			
						No Ice	2.0212	1.2459	0.0594
RRUS 4478 B14_CCIV2	C	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	1/2"	2.1999	1.3960	0.0770
						Ice	2.3860	1.5536	0.0974
						1" Ice	2.7804	1.8909	0.1473
						2" Ice			
RADIO 4415 B30	A	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	No Ice	1.6431	0.6392	0.0429
						1/2"	1.8031	0.7497	0.0550
						Ice	1.9706	0.8672	0.0694
						1" Ice	2.3277	1.1320	0.1061
RADIO 4415 B30	B	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	1.6431	0.6392	0.0429
						1/2"	1.8031	0.7497	0.0550
						Ice	1.9706	0.8672	0.0694
RADIO 4415 B30	B	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	1" Ice	2.3277	1.1320	0.1061
						2" Ice			
						No Ice	1.6431	0.6392	0.0429
						1/2"	1.8031	0.7497	0.0550
RADIO 4415 B30	C	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	Ice	1.9706	0.8672	0.0694
						1" Ice	2.3277	1.1320	0.1061
						2" Ice			
						No Ice	1.6431	0.6392	0.0429
RRUS 4449 B5/B12	A	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	1/2"	2.1439	1.5637	0.0895
						Ice	2.3278	1.7267	0.1108
						1" Ice	2.7177	2.0749	0.1627
						2" Ice			
RRUS 4449 B5/B12	B	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	No Ice	1.9675	1.4081	0.0710
						1/2"	2.1439	1.5637	0.0895
						Ice	2.3278	1.7267	0.1108
						1" Ice	2.7177	2.0749	0.1627
RRUS 4449 B5/B12	B	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	2" Ice			
						No Ice	1.9675	1.4081	0.0710
						1/2"	2.1439	1.5637	0.0895
						Ice	2.3278	1.7267	0.1108
RRUS 4449 B5/B12	C	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	1" Ice	2.7177	2.0749	0.1627
						2" Ice			
						No Ice	1.9675	1.4081	0.0710
						1/2"	2.1439	1.5637	0.0895
RRUS 4449 B5/B12	C	From Leg	4.0000 0.0000 0.0000	0.0000	129.0000	Ice	2.3278	1.7267	0.1108
						1" Ice	2.7177	2.0749	0.1627
						2" Ice			
						No Ice	1.9675	1.4081	0.0710

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	
Sector Mount [SM 503-3]	C	None		0.0000	129.0000	2" Ice			
						No Ice	30.4300	30.4300	1.6905
						1/2"	43.0200	43.0200	2.2961
						Ice	55.4300	55.4300	3.0974
						1" Ice	79.8900	79.8900	5.2687
** AIR 32 B2A B66AA w/ Mount Pipe	A	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	2" Ice			
						No Ice	7.0872	6.3736	0.1647
						1/2"	7.5606	7.2305	0.2280
						Ice	8.0206	7.9731	0.2984
						1" Ice	8.9662	9.5071	0.4638
AIR 32 B2A B66AA w/ Mount Pipe	B	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	2" Ice			
						No Ice	7.0872	6.3736	0.1647
						1/2"	7.5606	7.2305	0.2280
						Ice	8.0206	7.9731	0.2984
						1" Ice	8.9662	9.5071	0.4638
AIR 32 B2A B66AA w/ Mount Pipe	C	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	2" Ice			
						No Ice	7.0872	6.3736	0.1647
						1/2"	7.5606	7.2305	0.2280
						Ice	8.0206	7.9731	0.2984
						1" Ice	8.9662	9.5071	0.4638
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	2" Ice			
						No Ice	14.6900	6.8700	0.1862
						1/2"	15.4600	7.5500	0.3147
						Ice	16.2300	8.2500	0.4577
						1" Ice	17.8200	9.6700	0.7882
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	2" Ice			
						No Ice	14.6900	6.8700	0.1862
						1/2"	15.4600	7.5500	0.3147
						Ice	16.2300	8.2500	0.4577
						1" Ice	17.8200	9.6700	0.7882
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	2" Ice			
						No Ice	14.6900	6.8700	0.1862
						1/2"	15.4600	7.5500	0.3147
						Ice	16.2300	8.2500	0.4577
						1" Ice	17.8200	9.6700	0.7882
APX16DWW-16DWVS-E- A20 w/ Mount Pipe	A	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	2" Ice			
						No Ice	6.2900	2.7600	0.0614
						1/2"	6.8600	3.2700	0.1050
						Ice	7.4500	3.7900	0.1574
						1" Ice	8.6800	4.9000	0.2897
APX16DWW-16DWVS-E- A20 w/ Mount Pipe	B	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	2" Ice			
						No Ice	6.2900	2.7600	0.0614
						1/2"	6.8600	3.2700	0.1050
						Ice	7.4500	3.7900	0.1574
						1" Ice	8.6800	4.9000	0.2897
APX16DWW-16DWVS-E- A20 w/ Mount Pipe	C	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	2" Ice			
						No Ice	6.2900	2.7600	0.0614
						1/2"	6.8600	3.2700	0.1050
						Ice	7.4500	3.7900	0.1574
						1" Ice	8.6800	4.9000	0.2897
AIR6449 B41 w/ Mount Pipe	A	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	2" Ice			
						No Ice	5.8932	3.2839	0.1177
						1/2"	6.2567	3.7423	0.1669
						Ice	6.6301	4.2169	0.2215
						1" Ice	7.4065	5.2149	0.3496
AIR6449 B41 w/ Mount Pipe	B	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	2" Ice			
						No Ice	5.8932	3.2839	0.1177
						1/2"	6.2567	3.7423	0.1669
						Ice	6.6301	4.2169	0.2215
						1" Ice	7.4065	5.2149	0.3496
AIR6449 B41 w/ Mount Pipe	C	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	2" Ice			
						No Ice	5.8932	3.2839	0.1177
						1/2"	6.2567	3.7423	0.1669
						Ice	6.6301	4.2169	0.2215

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	
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	1" Ice	7.4065	5.2149	0.3496
						2" Ice			
						No Ice	1.9701	1.5865	0.0732
						1/2" Ice	2.1466	1.7488	0.0930
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	1" Ice	2.3306	1.9185	0.1156
						2" Ice	2.7207	2.2800	0.1704
						No Ice	1.9701	1.5865	0.0732
						1/2" Ice	2.1466	1.7488	0.0930
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	Ice	2.3306	1.9185	0.1156
						1" Ice	2.7207	2.2800	0.1704
						2" Ice			
						No Ice	1.9701	1.5865	0.0732
KRY 112 489/2	A	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	1/2" Ice	0.6579	0.4484	0.0205
						Ice	0.7640	0.5420	0.0271
						1" Ice	0.9984	0.7524	0.0458
						2" Ice			
KRY 112 489/2	B	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	No Ice	0.5592	0.3651	0.0154
						1/2" Ice	0.6579	0.4484	0.0205
						Ice	0.7640	0.5420	0.0271
						1" Ice	0.9984	0.7524	0.0458
KRY 112 489/2	C	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	2" Ice			
						No Ice	0.5592	0.3651	0.0154
						1/2" Ice	0.6579	0.4484	0.0205
						Ice	0.7640	0.5420	0.0271
KRY 112 144/1	A	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	1" Ice	0.6981	0.4565	0.0319
						2" Ice			
						No Ice	0.3500	0.1750	0.0110
						1/2" Ice	0.4259	0.2343	0.0142
KRY 112 144/1	B	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	Ice	0.5093	0.3009	0.0186
						1" Ice	0.6981	0.4565	0.0319
						2" Ice			
						No Ice	0.3500	0.1750	0.0110
KRY 112 144/1	C	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	1/2" Ice	0.4259	0.2343	0.0142
						Ice	0.5093	0.3009	0.0186
						1" Ice	0.6981	0.4565	0.0319
						2" Ice			
RRUS 4415 B25	A	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	No Ice	1.6444	0.6788	0.0440
						1/2" Ice	1.8044	0.7911	0.0564
						Ice	1.9719	0.9129	0.0712
						1" Ice	2.3292	1.1834	0.1087
RRUS 4415 B25	B	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	2" Ice			
						No Ice	1.6444	0.6788	0.0440
						1/2" Ice	1.8044	0.7911	0.0564
						Ice	1.9719	0.9129	0.0712
RRUS 4415 B25	C	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	1" Ice	2.3292	1.1834	0.1087
						2" Ice			
						No Ice	1.6444	0.6788	0.0440
						1/2" Ice	1.8044	0.7911	0.0564
(2) 10' horizontal x2" Pipe Mount	A	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	Ice	1.9719	0.9129	0.0712
						1" Ice	2.3292	1.1834	0.1087
						2" Ice			
						No Ice	1.9000	0.0100	0.0272
						1/2" Ice	2.9200	0.0400	0.0420
						Ice	3.9700	0.0900	0.0632

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	
(2) 10' horizontal x 2" Pipe Mount	B	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	1" Ice	5.6500	0.2100	0.1257
						2" Ice			
						No Ice	1.9000	0.0100	0.0272
						1/2" Ice	2.9200	0.0400	0.0420
(2) 10' horizontal x 2" Pipe Mount	C	From Leg	4.0000 0.0000 0.0000	0.0000	120.0000	1" Ice	5.6500	0.2100	0.1257
						2" Ice			
						No Ice	1.9000	0.0100	0.0272
						1/2" Ice	2.9200	0.0400	0.0420
T-Arm Mount [TA 602-3]	C	None		0.0000	120.0000	Ice	3.9700	0.0900	0.0632
						1" Ice	5.6500	0.2100	0.1257
						2" Ice			
						No Ice	13.4000	13.4000	0.7743
Miscellaneous [NA 509-1]	A	From Leg	2.0000 0.0000 0.0000	0.0000	120.0000	1/2" Ice	16.4400	16.4400	1.0040
						Ice	19.7000	19.7000	1.2915
						1" Ice	25.8600	25.8600	2.0526
						2" Ice			
Miscellaneous [NA 509-1]	B	From Leg	2.0000 0.0000 0.0000	0.0000	120.0000	No Ice	6.3200	4.8500	0.0917
						1/2" Ice	7.7900	6.3600	0.1389
						Ice	9.3600	7.9400	0.1992
						1" Ice	12.8100	11.3200	0.3615
Miscellaneous [NA 509-1]	C	From Leg	2.0000 0.0000 0.0000	0.0000	120.0000	2" Ice			
						No Ice	6.3200	4.8500	0.0917
						1/2" Ice	7.7900	6.3600	0.1389
						Ice	9.3600	7.9400	0.1992
Miscellaneous [NA 509-1]	C	From Leg	2.0000 0.0000 0.0000	0.0000	120.0000	1" Ice	12.8100	11.3200	0.3615
						2" Ice			
						No Ice	6.3200	4.8500	0.0917
						1/2" Ice	7.7900	6.3600	0.1389
DT465B-2XR w/ Mount Pipe	A	From Leg	4.0000 0.0000 2.0000	0.0000	73.0000	Ice	6.4500	5.3000	0.2480
						1" Ice	7.4400	6.2600	0.4507
						2" Ice			
						No Ice	5.5000	4.3800	0.0908
DT465B-2XR w/ Mount Pipe	B	From Leg	4.0000 0.0000 2.0000	0.0000	73.0000	1/2" Ice	5.9700	4.8400	0.1639
						Ice	6.4500	5.3000	0.2480
						1" Ice	7.4400	6.2600	0.4507
						2" Ice			
DT465B-2XR w/ Mount Pipe	C	From Leg	4.0000 0.0000 2.0000	0.0000	73.0000	No Ice	5.5000	4.3800	0.0908
						1/2" Ice	5.9700	4.8400	0.1639
						Ice	6.4500	5.3000	0.2480
						1" Ice	7.4400	6.2600	0.4507
APXVSP18-C-A20 w/ Mount Pipe	A	From Leg	4.0000 0.0000 2.0000	0.0000	73.0000	2" Ice			
						No Ice	4.6000	4.0100	0.0951
						1/2" Ice	5.0500	4.4500	0.1595
						Ice	5.5000	4.8900	0.2348
APXVSP18-C-A20 w/ Mount Pipe	B	From Leg	4.0000 0.0000 2.0000	0.0000	73.0000	1" Ice	6.4400	5.8200	0.4191
						2" Ice			
						No Ice	4.6000	4.0100	0.0951
						1/2" Ice	5.0500	4.4500	0.1595
APXVSP18-C-A20 w/ Mount Pipe	C	From Leg	4.0000 0.0000 2.0000	0.0000	73.0000	Ice	5.5000	4.8900	0.2348
						1" Ice	6.4400	5.8200	0.4191
						2" Ice			
						No Ice	4.6000	4.0100	0.0951
RRH2x50-800	A	From Leg	4.0000 0.0000	0.0000	73.0000	1/2" Ice	5.0500	4.4500	0.1595
						Ice	5.5000	4.8900	0.2348
						1" Ice	6.4400	5.8200	0.4191
						2" Ice			
RRH2x50-800	A	From Leg	4.0000 0.0000	0.0000	73.0000	No Ice	1.7008	1.2822	0.0529
						1/2" Ice	1.8640	1.4275	0.0699

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
			2.0000			Ice 2.0345	1.5803	0.0896
						1" Ice 2.3979	1.9081	0.1379
						2" Ice		
RRH2x50-800	B	From Leg	4.0000	0.0000	73.0000	No Ice 1.7008	1.2822	0.0529
			0.0000			1/2" 1.8640	1.4275	0.0699
			2.0000			Ice 2.0345	1.5803	0.0896
						1" Ice 2.3979	1.9081	0.1379
						2" Ice		
RRH2x50-800	C	From Leg	4.0000	0.0000	73.0000	No Ice 1.7008	1.2822	0.0529
			0.0000			1/2" 1.8640	1.4275	0.0699
			2.0000			Ice 2.0345	1.5803	0.0896
						1" Ice 2.3979	1.9081	0.1379
						2" Ice		
FZHN	A	From Leg	4.0000	0.0000	73.0000	No Ice 2.0197	0.6068	0.0441
			0.0000			1/2" 2.1967	0.7146	0.0581
			2.0000			Ice 2.3811	0.8294	0.0747
						1" Ice 2.7723	1.0888	0.1161
						2" Ice		
FZHN	B	From Leg	4.0000	0.0000	73.0000	No Ice 2.0197	0.6068	0.0441
			0.0000			1/2" 2.1967	0.7146	0.0581
			2.0000			Ice 2.3811	0.8294	0.0747
						1" Ice 2.7723	1.0888	0.1161
						2" Ice		
FZHN	C	From Leg	4.0000	0.0000	73.0000	No Ice 2.0197	0.6068	0.0441
			0.0000			1/2" 2.1967	0.7146	0.0581
			2.0000			Ice 2.3811	0.8294	0.0747
						1" Ice 2.7723	1.0888	0.1161
						2" Ice		
1900MHZ 4X40WRRH	A	From Leg	4.0000	0.0000	73.0000	No Ice 2.3218	2.2360	0.0595
			0.0000			1/2" 2.5266	2.4385	0.0826
			2.0000			Ice 2.7388	2.6485	0.1090
						1" Ice 3.1855	3.0906	0.1722
						2" Ice		
1900MHZ 4X40WRRH	B	From Leg	4.0000	0.0000	73.0000	No Ice 2.3218	2.2360	0.0595
			0.0000			1/2" 2.5266	2.4385	0.0826
			2.0000			Ice 2.7388	2.6485	0.1090
						1" Ice 3.1855	3.0906	0.1722
						2" Ice		
1900MHZ 4X40WRRH	C	From Leg	4.0000	0.0000	73.0000	No Ice 2.3218	2.2360	0.0595
			0.0000			1/2" 2.5266	2.4385	0.0826
			2.0000			Ice 2.7388	2.6485	0.1090
						1" Ice 3.1855	3.0906	0.1722
						2" Ice		
(2) 6' x 2" Mount Pipe	A	From Leg	4.0000	0.0000	73.0000	No Ice 1.4250	1.4250	0.0220
			0.0000			1/2" 1.9250	1.9250	0.0328
			0.0000			Ice 2.2939	2.2939	0.0477
						1" Ice 3.0596	3.0596	0.0903
						2" Ice		
(2) 6' x 2" Mount Pipe	B	From Leg	4.0000	0.0000	73.0000	No Ice 1.4250	1.4250	0.0220
			0.0000			1/2" 1.9250	1.9250	0.0328
			0.0000			Ice 2.2939	2.2939	0.0477
						1" Ice 3.0596	3.0596	0.0903
						2" Ice		
(2) 6' x 2" Mount Pipe	C	From Leg	4.0000	0.0000	73.0000	No Ice 1.4250	1.4250	0.0220
			0.0000			1/2" 1.9250	1.9250	0.0328
			0.0000			Ice 2.2939	2.2939	0.0477
						1" Ice 3.0596	3.0596	0.0903
						2" Ice		
Platform Mount [LP 1201-1]	C	None		0.0000	73.0000	No Ice 18.3800	18.3800	2.1000
						1/2" 22.1100	22.1100	2.6519
						Ice 25.8700	25.8700	3.2630
						1" Ice 33.4700	33.4700	4.6624
						2" Ice		
Miscellaneous [NA 510-1]	C	None		0.0000	73.0000	No Ice 6.3600	6.3600	0.2557
						1/2" 8.5200	8.5200	0.3438

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
						Ice	10.6200	10.6200	0.4587
						1" Ice	14.6400	14.6400	0.7690
						2" Ice			
**									
GPS-TMG-HR-26NCM	C	From Leg	1.0000 0.0000 0.0000	0.0000	50.0000	No Ice	0.1333	0.1333	0.0006
						1/2"	0.1826	0.1826	0.0024
						Ice	0.2393	0.2393	0.0051
						1" Ice	0.3748	0.3748	0.0141
						2" Ice			
Pipe Mount [PM 601-1]	C	From Leg	0.5000 0.0000 0.0000	0.0000	50.0000	No Ice	1.3200	1.3200	0.0650
						1/2"	1.5800	1.5800	0.0775
						Ice	1.8400	1.8400	0.0930
						1" Ice	2.4000	2.4000	0.1338
						2" Ice			

Load Combinations

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

Comb. No.	Description
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	140 - 135	Pole	Max Tension	8	0.0000	0.0000	0.0002
			Max. Compression	26	-8.5126	2.0583	-1.1884
			Max. Mx	20	-2.8519	25.0478	-0.7869
			Max. My	14	-2.8379	1.0047	-24.2674
			Max. Vy	8	5.3881	-23.6560	0.1651
			Max. Vx	14	5.2977	1.0047	-24.2674
			Max. Torque	24			1.4143
L2	135 - 130	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-8.9467	2.0605	-1.1897
			Max. Mx	20	-3.0975	52.5157	-1.2788
			Max. My	14	-3.0803	1.4991	-51.3064
			Max. Vy	8	5.6052	-51.1347	0.6432
			Max. Vx	14	5.5228	1.4991	-51.3064
			Max. Torque	24			1.4141
L3	130 - 125	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-20.6162	2.0706	-1.1956
			Max. Mx	20	-6.9964	105.9304	-1.7914
			Max. My	14	-6.9399	2.0151	-104.4078
			Max. Vy	8	12.0367	-104.5662	1.1340
			Max. Vx	14	11.9784	2.0151	-104.4078
			Max. Torque	24			1.4135
L4	125 - 120	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-21.1609	2.0692	-1.1948
			Max. Mx	20	-7.4204	166.5630	-2.3033
			Max. My	14	-7.3604	2.5274	-164.7687
			Max. Vy	8	12.2347	-165.2209	1.6300
			Max. Vx	14	12.1787	2.5274	-164.7687
			Max. Torque	24			1.4124
L5	120 - 115	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-30.9264	1.8796	-1.0854
			Max. Mx	20	-11.3265	251.0922	-2.7893
			Max. My	14	-11.1951	2.9963	-249.9660
			Max. Vy	8	17.0131	-249.9112	2.1764
			Max. Vx	2	-17.3003	-1.9666	249.2467
			Max. Torque	24			1.4107
L6	115 - 114.75	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-30.9862	1.8693	-1.0795
			Max. Mx	20	-11.3838	255.3396	-2.8133
			Max. My	14	-11.2514	3.0190	-254.2892
			Max. Vy	8	17.0237	-254.1673	2.2035
			Max. Vx	2	-17.3208	-1.9949	253.5743
			Max. Torque	24			1.3222
L7	114.75 - 109.75	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-32.1858	1.6546	-0.9555
			Max. Mx	20	-12.1450	341.3512	-3.2918
			Max. My	14	-11.9892	3.4736	-342.3164

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L8	109.75 - 104.75	Pole	Max. Vy	8	17.4639	-340.4274	2.7513
			Max. Vx	2	-17.9522	-2.5660	341.7627
			Max. Torque	24			1.3192
			Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-33.4072	1.4309	-0.8264
L9	104.75 - 101.58	Pole	Max. Mx	20	-12.9464	429.3890	-3.7660
			Max. My	14	-12.7710	3.9212	-433.3246
			Max. Vy	8	17.8985	-428.8629	3.3013
			Max. Vx	2	-18.5757	-3.1418	433.0758
			Max. Torque	24			1.2614
			Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-34.1829	1.2844	-0.7418
			Max. Mx	20	-13.4803	486.0874	-4.0641
			Max. My	2	-13.2764	-3.5088	492.5718
			Max. Vy	8	18.1701	-486.0496	3.6510
L10	101.58 - 101.33	Pole	Max. Vx	2	-18.9637	-3.5088	492.5718
			Max. Torque	24			1.2016
			Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-34.2337	1.2729	-0.7351
			Max. Mx	8	-13.5036	-490.5950	3.6786
			Max. My	2	-13.3251	-3.5375	497.3159
			Max. Vy	8	18.1748	-490.5950	3.6786
			Max. Vx	2	-18.9850	-3.5375	497.3159
			Max. Torque	24			1.1595
			Max Tension	1	0.0000	0.0000	0.0000
L11	101.33 - 96.33	Pole	Max. Compression	26	-35.2649	1.0338	-0.5971
			Max. Mx	8	-14.3038	-582.0118	4.2314
			Max. My	2	-14.1018	-4.1108	593.5746
			Max. Vy	8	18.3783	-582.0118	4.2314
			Max. Vx	2	-19.5215	-4.1108	593.5746
			Max. Torque	24			1.1514
			Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-36.3804	0.7861	-0.4540
			Max. Mx	8	-15.1462	-674.3946	4.7841
			Max. My	2	-14.9291	-4.6932	692.4705
L12	96.33 - 91.33	Pole	Max. Vy	8	18.5696	-674.3946	4.7841
			Max. Vx	2	-20.0489	-4.6932	692.4705
			Max. Torque	24			0.9896
			Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-36.4621	0.7695	-0.4445
			Max. Mx	8	-15.2140	-680.5276	4.8206
			Max. My	2	-14.9985	-4.7321	699.0909
			Max. Vy	8	18.5856	-680.5276	4.8206
			Max. Vx	2	-20.0751	-4.7321	699.0909
			Max. Torque	24			0.8877
L13	91.33 - 91	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-36.5425	0.7570	-0.4373
			Max. Mx	8	-15.2738	-685.1799	4.8481
			Max. My	2	-15.0585	-4.7616	704.1147
			Max. Vy	8	18.6073	-685.1799	4.8481
			Max. Vx	2	-20.1047	-4.7616	704.1147
			Max. Torque	24			0.8836
			Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-38.1565	0.4992	-0.2884
			Max. Mx	8	-16.4000	-779.4610	5.4007
L14	91 - 90.75	Pole	Max. My	2	-16.1802	-5.3494	806.2347
			Max. Vy	8	19.0848	-779.4610	5.4007
			Max. Vx	2	-20.7393	-5.3494	806.2347
			Max. Torque	24			0.8804
			Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-39.8002	0.2329	-0.1347
			Max. Mx	8	-17.5642	-876.1086	5.9547
			Max. My	2	-16.1802	-5.3494	806.2347
			Max. Vy	8	19.0848	-779.4610	5.4007
			Max. Vx	2	-20.7393	-5.3494	806.2347
L15	90.75 - 85.75	Pole	Max. Torque	24			0.8836
			Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-38.1565	0.4992	-0.2884
			Max. Mx	8	-16.4000	-779.4610	5.4007
			Max. My	2	-16.1802	-5.3494	806.2347
			Max. Vy	8	19.0848	-779.4610	5.4007
			Max. Vx	2	-20.7393	-5.3494	806.2347
			Max. Torque	24			0.8804
			Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-39.8002	0.2329	-0.1347
L16	85.75 - 80.75	Pole	Max. Mx	8	-17.5642	-876.1086	5.9547
			Max. My	2	-16.1802	-5.3494	806.2347

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L17	80.75 - 75.75	Pole	Max. My	2	-17.3439	-5.9407	911.4962
			Max. Vy	8	19.5579	-876.1086	5.9547
			Max. Vx	14	21.3691	5.9725	-909.9817
			Max. Torque	22			0.8632
			Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-41.4732	-0.0419	0.0240
			Max. Mx	8	-18.7572	-975.1208	6.5100
			Max. My	2	-18.5392	-6.5349	1019.8804
			Max. Vy	8	20.0308	-975.1208	6.5100
			Max. Vx	14	22.0261	6.3791	-
L18	75.75 - 70.75	Pole	Max. Torque	22			1018.3550
			Max Tension	1	0.0000	0.0000	0.8627
			Max. Compression	26	-51.5874	-0.3250	0.1874
			Max. Mx	8	-24.0791	-	7.0691
			Max. My	2	-23.8542	-7.1351	1139.7130
			Max. Vy	8	23.0857	-	7.0691
			Max. Vx	14	25.2836	6.7827	-
			Max. Torque	22			1138.3220
			Max Tension	1	0.0000	0.0000	0.8621
			L19	70.75 - 69.98	Pole	Max. Compression	26
Max. Mx	8	-24.2818				-	7.1558
Max. My	2	-24.0579				-7.2284	1159.1717
Max. Vy	8	23.1571				-	7.1558
Max. Vx	14	25.3850				6.8447	-
Max. Torque	22						1157.8111
Max Tension	1	0.0000				0.0000	0.8617
Max. Compression	26	-51.9786				-0.3836	0.2213
Max. Mx	8	-24.3535				-	7.1838
L20	69.98 - 69.73	Pole				Max. My	2
			Max. Vy	8	23.1769	-	7.1838
			Max. Vx	14	25.4118	6.8648	-
			Max. Torque	22			1164.1559
			Max Tension	1	0.0000	0.0000	0.8616
			Max. Compression	26	-53.8146	-0.6769	0.3906
			Max. Mx	8	-25.6563	-	7.7467
			Max. My	2	-25.4388	-7.8645	1293.9059
			Max. Vy	8	23.6419	-	7.7467
			L21	69.73 - 64.73	Pole	Max. Vx	14
Max. Torque	22						1292.7065
Max Tension	1	0.0000				0.0000	0.8615
Max. Compression	26	-54.4894				-0.7802	0.4502
Max. Mx	8	-26.1080				-	7.9413
Max. My	2	-25.8919				-8.0746	1339.0942
Max. Vy	8	23.8168				-	7.9413
Max. Vx	14	26.2945				7.4012	-
Max. Torque	22						1337.9312
L23	63 - 62.75	Pole				Max Tension	1
			Max. Compression	26	-54.6056	-0.7949	0.0000
							0.4587

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft	
L24	62.75 - 59.08	Pole	Max. Mx	8	-26.2119	-	7.9693	
			Max. My	2	-25.9993	1272.4811	1345.6578	
			Max. Vy	8	23.8241	-8.1052	7.9693	
						-		
			Max. Vx	14	26.3075	1272.4811	-	1344.4998
						7.4208		
			Max. Torque	22				0.8609
			Max Tension	1	0.0000	0.0000	0.0000	0.0000
			Max. Compression	26	-56.3527	-1.0177	0.5873	
			Max. Mx	8	-27.4343	-	8.3823	
L25	59.08 - 58.82	Pole	Max. My	2	-27.2239	-8.5516	1443.0366	
			Max. Vy	8	24.2217	-	8.3823	
			Max. Vx	14	26.8543	1360.6856	-	1441.9706
						7.7081		
			Max. Torque	22				0.8609
			Max Tension	1	0.0000	0.0000	0.0000	0.0000
			Max. Compression	26	-56.4768	-1.0334	0.5964	
			Max. Mx	8	-27.5275	-	8.4115	
			Max. My	2	-27.3191	-8.5834	1450.0092	
			Max. Vy	8	24.2411	-	8.4115	
L26	58.82 - 58.67	Pole	Max. Vx	14	26.8816	1366.9891	-	1448.9507
						7.7283		
			Max. Torque	22				0.8607
			Max Tension	1	0.0000	0.0000	0.0000	0.0000
			Max. Compression	26	-56.5485	-1.0424	0.6016	
			Max. Mx	8	-27.5770	-	8.4282	
			Max. My	2	-27.3690	-8.6018	1454.0363	
			Max. Vy	8	24.2613	-	8.4282	
			Max. Vx	14	26.9027	1370.6291	-	1452.9821
						7.7400		
L27	58.67 - 53.67	Pole	Max. Torque	22				0.8606
			Max Tension	1	0.0000	0.0000	0.0000	0.0000
			Max. Compression	26	-58.8407	-1.3533	0.7811	
			Max. Mx	8	-29.1820	-	8.9913	
			Max. My	2	-28.9833	-9.2118	1589.9415	
			Max. Vy	8	24.7664	-	8.9913	
			Max. Vx	14	27.6110	1493.2448	-	1589.1541
						8.1261		
			Max. Torque	22				0.8606
			Max Tension	1	0.0000	0.0000	0.0000	0.0000
L28	53.67 - 48.58	Pole	Max. Compression	26	-59.1467	-1.3959	0.8057	
			Max. Mx	8	-29.4055	-	9.0669	
			Max. My	2	-29.2090	-9.2939	1608.4003	
			Max. Vy	8	24.8271	-	9.0669	
			Max. Vx	14	27.6951	1509.8664	-	1607.6649
						8.1773		
			Max. Torque	22				0.8602
			Max Tension	1	0.0000	0.0000	0.0000	0.0000
			Max. Compression	26	-63.1203	-1.5274	0.8817	
			Max. Mx	8	-32.3307	-	9.6047	
L29	48.58 - 47.58	Pole	Max. My	2	-32.1378	-9.8312	1760.2132	

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L30	47.58 - 42.58	Pole	Max. Vy	8	25.5085	-	9.6047
			Max. Vx	14	28.5779	1646.2536 8.7178	-
			Max. Torque	22			1760.1581
			Max Tension	1	0.0000	0.0000	0.9363
			Max. Compression	26			0.0000
			Max. Mx	8	-65.3827 -33.9794	-1.8491 -	1.0674 10.1687
			Max. My	14	-33.7952	1774.9698 9.0957	-
			Max. Vy	8	25.9630	-	1904.4368
L31	42.58 - 39.67	Pole	Max. Vx	14	29.1945	1774.9698 9.0957	10.1687
			Max. Torque	22			-
			Max Tension	1	0.0000	0.0000	1904.4368
			Max. Compression	26			0.9362
			Max. Mx	8	-66.7701 -34.9484	-2.0396 -	1.1773 10.4965
			Max. My	14	-34.7726	1850.9372 9.3124	-
			Max. Vy	8	26.2393	-	1989.8443
			Max. Vx	14	29.5737	1850.9372 9.3124	10.4965
L32	39.67 - 39.42	Pole	Max. Torque	22			1989.8443
			Max Tension	1	0.0000	0.0000	0.9358
			Max. Compression	26			0.0000
			Max. Mx	8	-66.9105 -35.0647	-2.0558 -	1.1867 10.5246
			Max. My	14	-34.8927	1857.5008 9.3309	-
			Max. Vy	8	26.2479	-	1997.2325
			Max. Vx	14	29.5875	1857.5008 9.3309	10.5246
			Max. Torque	22			-
L33	39.42 - 34.42	Pole	Max Tension	1	0.0000	0.0000	1997.2325
			Max. Compression	26			0.9357
			Max. Mx	8	-69.7136 -37.0854	-2.3887 -	1.3789 11.0876
			Max. My	14	-36.9247	1990.0815 9.6985	-
			Max. Vy	8	26.7560	-	2146.7819
			Max. Vx	14	30.2799	1990.0815 9.6985	11.0876
			Max. Torque	22			-
			Max Tension	1	0.0000	0.0000	2146.7819
L34	34.42 - 32.5	Pole	Max. Compression	26			0.9357
			Max. Mx	8	-70.8212 -37.8653	-2.5181 -	0.0000 1.4536
			Max. My	14	-37.7080	2041.6614 9.8382	11.3036
			Max. Vy	20	-26.9695	2030.3509	-
			Max. Vx	14	30.5528	9.8382	2205.1154
			Max. Torque	22			-10.2279
			Max Tension	1	0.0000	0.0000	2205.1154
			Max. Compression	26			0.9354
L35	32.5 - 32.25	Pole	Max. Mx	8	-70.9522 -37.9667	-2.5349 -	0.0000 1.4633
			Max. My	14	-37.8138	2048.4049 9.8563	11.3318
			Max. Vy	20	-26.9695	2030.3509	-
			Max. Vx	14	30.5528	9.8382	2205.1154

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft	
L36	32.25 - 31.42	Pole	Max. Vy	20	-26.9741	2037.0840	-10.2486	
			Max. Vx	14	30.5564	9.8563	-	
			Max. Torque	22			2212.7466	0.9354
			Max Tension	1	0.0000	0.0000	0.0000	0.0000
			Max. Compression	26	-71.3869	-2.5913	1.4958	
			Max. Mx	8	-38.2486	-	11.4252	
			Max. My	14	-38.0981	9.9163	-	2238.1272
			Max. Vy	20	-27.0649	2059.4819	-10.3176	
			Max. Vx	14	30.6500	9.9163	-	2238.1272
			Max. Torque	22			0.9354	
L37	31.42 - 31.17	Pole	Max. Torque	22			0.9354	
			Max Tension	1	0.0000	0.0000	0.0000	
			Max. Compression	26	-71.5356	-2.6081	1.5055	
			Max. Mx	8	-38.3596	-	11.4533	
			Max. My	14	-38.2117	9.9343	-	2245.7858
			Max. Vy	20	-27.0811	2066.2417	-10.3383	
			Max. Vx	14	30.6662	9.9343	-	2245.7858
			Max. Torque	22			0.9354	
			Max Tension	1	0.0000	0.0000	0.0000	
			Max. Compression	26	-72.8192	-2.7363	1.5663	
L38	31.17 - 29	Pole	Max. Compression	8	-39.2511	-	11.6975	
			Max. Mx	8	-39.2511	-	11.6975	
			Max. My	14	-39.1081	10.0903	-	2312.6085
			Max. Vy	20	-27.3136	2125.1852	-10.5180	
			Max. Vx	14	30.9708	10.0903	-	2312.6085
			Max. Torque	22			0.9353	
			Max Tension	1	0.0000	0.0000	0.0000	
			Max. Compression	26	-73.0163	-2.7567	1.5757	
			Max. Mx	8	-39.3957	-	11.7368	
			Max. My	14	-39.2558	10.1154	-	2323.4440
L39	29 - 28.65	Pole	Max. Vy	20	-27.3379	2134.7368	-10.5469	
			Max. Vx	14	30.9969	10.1154	-	2323.4440
			Max. Torque	22			0.9353	
			Max Tension	1	0.0000	0.0000	0.0000	
			Max. Compression	26	-73.0163	-2.7567	1.5757	
			Max. Mx	8	-39.3957	-	11.7368	
			Max. My	14	-39.2558	10.1154	-	2323.4440
			Max. Vy	20	-27.3379	2134.7368	-10.5469	
			Max. Vx	14	30.9969	10.1154	-	2323.4440
			Max. Torque	22			0.9353	
L40	28.65 - 28.42	Pole	Max. Torque	22			0.9353	
			Max Tension	1	0.0000	0.0000	0.0000	
			Max. Compression	26	-73.1458	-2.7701	1.5819	
			Max. Mx	8	-39.4878	-	11.7627	
			Max. My	14	-39.3491	10.1318	-	2330.5713
			Max. Vy	20	-27.3583	2141.0199	-10.5658	
			Max. Vx	14	31.0189	10.1318	-	2330.5713
			Max. Torque	22			0.9353	
			Max Tension	1	0.0000	0.0000	0.0000	
			Max. Compression	26	-75.8795	-3.0609	1.7168	
L41	28.42 - 23.5	Pole	Max. Compression	8	-41.4228	-	12.3155	
			Max. Mx	8	-41.4228	-	12.3155	
			Max. My	14	-41.3037	10.4803	-	2484.3089
			Max. Vy	20	-27.8402	2276.6216	-10.9692	
			Max. Vx	14	31.5320	10.4803	-	2484.3089
			Max. Torque	22			0.9352	
			Max Tension	1	0.0000	0.0000	0.0000	
			Max. Compression	26	-76.0392	-3.0756	1.7237	
			Max. Mx	8	-41.4228	-	12.3155	
			Max. My	14	-41.3037	10.4803	-	2484.3089
L42	23.5 - 23.25	Pole	Max. Torque	22			0.9352	
			Max Tension	1	0.0000	0.0000	0.0000	
			Max. Compression	26	-76.0392	-3.0756	1.7237	
			Max. Mx	8	-41.4228	-	12.3155	
			Max. My	14	-41.3037	10.4803	-	2484.3089
			Max. Vy	20	-27.8402	2276.6216	-10.9692	
			Max. Vx	14	31.5320	10.4803	-	2484.3089
			Max. Torque	22			0.9352	
			Max Tension	1	0.0000	0.0000	0.0000	
			Max. Compression	26	-76.0392	-3.0756	1.7237	

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft	
L43	23.25 - 23	Pole	Max. Mx	8	-41.5512	-	12.3435	
			Max. My	14	-41.4356	2295.1928	-	
			Max. Vy	20	-27.8499	10.4978	2492.1863	
			Max. Vx	14	31.5422	2283.5734	-10.9895	
			Max. Torque	22		10.4978	-	2492.1863
			Max Tension	1	0.0000	0.0000	0.9351	
			Max. Compression	26	-76.1990	-3.0905	1.7306	
			Max. Mx	8	-41.6689	-	12.3716	
			Max. My	14	-41.5542	2302.1593	-	
			Max. Vy	20	-27.8756	10.5153	2500.0705	
L44	23 - 22.75	Pole	Max. Mx	14	31.5698	10.5153	-11.0099	
			Max. My	14	-41.6612	2309.1319	-	
			Max. Vy	20	-27.9004	10.5328	2507.9615	
			Max. Vx	14	31.5965	10.5328	-11.0302	
			Max. Torque	22		0.0000	0.9351	
			Max Tension	1	0.0000	0.0000	0.0000	
			Max. Compression	26	-76.3465	-3.1054	1.7375	
			Max. Mx	8	-41.7749	-	12.3996	
			Max. My	14	-43.8043	2449.8042	-	
			Max. Vy	20	-28.3774	10.8798	2667.0889	
L45	22.75 - 17.75	Pole	Max. Mx	8	-43.8963	-	12.9600	
			Max. My	14	-43.8043	10.8798	-	
			Max. Vy	20	-28.3774	2438.0026	-11.4343	
			Max. Vx	14	32.1090	10.8798	-	
			Max. Torque	22		0.0000	0.9351	
			Max Tension	1	0.0000	0.0000	0.0000	
			Max. Compression	26	-79.2309	-3.4384	1.9182	
			Max. Mx	8	-43.8963	-	12.9600	
			Max. My	14	-45.9847	2592.7779	-	
			Max. Vy	20	-28.8341	11.2201	2828.6831	
L46	17.75 - 12.75	Pole	Max. Mx	8	-46.0524	-	13.5186	
			Max. My	14	-45.9847	11.2201	-	
			Max. Vy	20	-28.8341	2580.8069	-11.8329	
			Max. Vx	14	32.5984	11.2201	-	
			Max. Torque	22		0.0000	0.9349	
			Max Tension	1	0.0000	0.0000	0.0000	
			Max. Compression	26	-82.0905	-3.7916	2.1220	
			Max. Mx	8	-46.0524	-	13.5186	
			Max. My	14	-48.1922	2738.0326	-	
			Max. Vy	20	-29.2912	11.5537	2992.7152	
L47	12.75 - 7.75	Pole	Max. Mx	8	-48.2349	-	14.0753	
			Max. My	14	-48.1922	11.5537	-	
			Max. Vy	20	-29.2912	2725.8892	-12.2258	
			Max. Vx	14	33.0865	11.5537	-	
			Max. Torque	22		0.0000	0.9348	
			Max Tension	1	0.0000	0.0000	0.0000	
			Max. Compression	26	-84.9464	-4.1452	2.3262	
			Max. Mx	8	-48.2349	-	14.0753	
			Max. My	14	-50.4270	2885.5704	-	
			Max. Vy	20	-29.7487	11.8802	3159.1780	
L48	7.75 - 2.75	Pole	Max. Mx	8	-50.4440	-	14.6298	
			Max. My	14	-50.4270	11.8802	-	
			Max. Vy	20	-29.7487	2873.2516	-12.6127	
			Max. Vx	14	33.5730	11.8802	-	
			Max. Torque	22		0.0000	0.9348	
			Max Tension	1	0.0000	0.0000	0.0000	
			Max. Compression	26	-87.7775	-4.4942	2.5277	
			Max. Mx	8	-50.4440	-	14.6298	
			Max. My	14	-50.4270	2885.5704	-	
			Max. Vy	20	-29.7487	11.8802	3159.1780	

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L49	2.75 -0	Pole	Max. Torque	22			0.9347
			Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-89.2683	-4.6766	2.6330
			Max. Mx	8	-51.6684	-	14.9336
						2967.6831	
			Max. My	14	-51.6648	12.0567	-
							3251.7533
			Max. Vy	20	-30.0019	2955.2667	-12.8230
			Max. Vx	14	33.8375	12.0567	-
							3251.7533
			Max. Torque	22			0.9347

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	27	89.2683	-0.0161	7.0983
	Max. H _x	21	38.7627	29.9758	-0.0932
	Max. H _z	2	51.6835	-0.0932	33.5192
	Max. M _x	2	3243.7825	-0.0932	33.5192
	Max. M _z	8	2967.6831	-29.9527	0.0932
	Max. Torsion	22	0.9347	27.5548	15.8011
	Min. Vert	17	38.7627	15.0313	-25.8485
	Min. H _x	8	51.6835	-29.9527	0.0932
	Min. H _z	15	38.7627	0.0932	-33.8088
	Min. M _x	14	-3251.7534	0.0932	-33.8088
	Min. M _z	20	-2955.2667	29.9758	-0.0932
	Min. Torsion	10	-0.8958	-27.3040	-15.6563

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overtuning Moment, M _x kip-ft	Overtuning Moment, M _z kip-ft	Torque kip-ft
Dead Only	43.0696	0.0000	0.0000	-0.8514	-1.4747	0.0000
1.2 Dead+1.0 Wind 0 deg - No Ice	51.6835	0.0932	-33.5192	-3243.7825	-15.6907	-0.2095
0.9 Dead+1.0 Wind 0 deg - No Ice	38.7627	0.0932	-33.5192	-3201.8823	-15.0039	-0.1836
1.2 Dead+1.0 Wind 30 deg - No Ice	51.6835	15.0944	-25.9578	-2556.1531	-1493.0400	-0.7197
0.9 Dead+1.0 Wind 30 deg - No Ice	38.7627	15.0944	-25.9578	-2522.3326	-1472.9427	-0.7059
1.2 Dead+1.0 Wind 60 deg - No Ice	51.6835	26.5002	-15.2999	-1494.5927	-2588.7106	-0.0000
0.9 Dead+1.0 Wind 60 deg - No Ice	38.7627	26.5002	-15.2999	-1474.7552	-2554.3509	-0.0000
1.2 Dead+1.0 Wind 90 deg - No Ice	51.6835	29.9527	-0.0932	-14.9337	-2967.6831	0.7197
0.9 Dead+1.0 Wind 90 deg - No Ice	38.7627	29.9527	-0.0932	-14.4392	-2928.1892	0.7059
1.2 Dead+1.0 Wind 120 deg - No Ice	51.6835	27.3040	15.6563	1537.7248	-2694.8149	0.8958
0.9 Dead+1.0 Wind 120 deg - No Ice	38.7627	27.3040	15.6563	1517.9517	-2659.1898	0.8706
1.2 Dead+1.0 Wind 150 deg - No Ice	51.6835	17.0480	29.5280	2793.7297	-1615.3849	0.1703
0.9 Dead+1.0 Wind 150 deg - No Ice	38.7627	17.0480	29.5280	2758.2621	-1594.2940	0.1401
1.2 Dead+1.0 Wind 180 deg	51.6835	-0.0932	33.8088	3251.7534	12.0567	0.2494

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
- No Ice						
0.9 Dead+1.0 Wind 180 deg	38.7627	-0.0932	33.8088	3210.3418	12.2897	0.2226
- No Ice						
1.2 Dead+1.0 Wind 210 deg	51.6835	-15.0313	25.8485	2559.3960	1492.4741	0.7568
- No Ice						
0.9 Dead+1.0 Wind 210 deg	38.7627	-15.0313	25.8485	2525.9641	1473.2186	0.7420
- No Ice						
1.2 Dead+1.0 Wind 240 deg	51.6835	-26.2555	15.1586	1491.8987	2584.0443	-0.0000
- No Ice						
0.9 Dead+1.0 Wind 240 deg	38.7627	-26.2555	15.1586	1472.5435	2550.5202	-0.0000
- No Ice						
1.2 Dead+1.0 Wind 270 deg	51.6835	-29.9758	0.0932	12.8228	2955.2667	-0.7566
- No Ice						
0.9 Dead+1.0 Wind 270 deg	38.7627	-29.9758	0.0932	12.8630	2916.8436	-0.7419
- No Ice						
1.2 Dead+1.0 Wind 300 deg	51.6835	-27.5548	-15.8011	-1544.8668	2699.8927	-0.9347
- No Ice						
0.9 Dead+1.0 Wind 300 deg	38.7627	-27.5548	-15.8011	-1524.5398	2665.1545	-0.9085
- No Ice						
1.2 Dead+1.0 Wind 330 deg	51.6835	-16.9835	-29.4163	-2793.6048	1610.4642	-0.1704
- No Ice						
0.9 Dead+1.0 Wind 330 deg	38.7627	-16.9835	-29.4163	-2757.5781	1590.2779	-0.1402
- No Ice						
1.2 Dead+1.0 Ice+1.0 Temp	89.2683	-0.0000	0.0000	-2.6330	-4.6766	0.0000
1.2 Dead+1.0 Wind 0	89.2683	0.0161	-7.0983	-771.6374	-7.5277	-0.1357
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 30	89.2683	3.2193	-5.5436	-619.1957	-363.8278	-0.2269
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 60	89.2683	5.6369	-3.2545	-362.0354	-627.1853	-0.0000
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 90	89.2683	6.3802	-0.0161	-5.3811	-717.6529	0.2269
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 120	89.2683	5.7184	3.2829	361.0617	-640.3132	0.3240
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 150	89.2683	3.6123	6.2567	657.9598	-386.3871	0.1459
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 180	89.2683	-0.0161	7.1477	767.8202	-2.3031	0.1374
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 210	89.2683	-3.1997	5.5097	612.9805	353.6023	0.2286
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 240	89.2683	-5.5796	3.2214	355.4259	615.4943	0.0000
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 270	89.2683	-6.4018	0.0161	-0.1564	708.1579	-0.2286
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 300	89.2683	-5.7611	-3.3076	-367.4582	631.9694	-0.3257
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 330	89.2683	-3.6015	-6.2380	-663.2104	376.3909	-0.1460
deg+1.0 Ice+1.0 Temp						
Dead+Wind 0 deg - Service	43.0696	0.0202	-7.2761	-700.3184	-4.4884	-0.0491
Dead+Wind 30 deg - Service	43.0696	3.2767	-5.6350	-551.8381	-323.0543	-0.1609
Dead+Wind 60 deg - Service	43.0696	5.7527	-3.3213	-322.9379	-559.3448	-0.0000
Dead+Wind 90 deg - Service	43.0696	6.5022	-0.0202	-3.8542	-641.0466	0.1609
Dead+Wind 120 deg - Service	43.0696	5.9271	3.3986	330.9978	-582.2823	0.1993
Dead+Wind 150 deg - Service	43.0696	3.7006	6.4097	601.9524	-349.5391	0.0374
Dead+Wind 180 deg - Service	43.0696	-0.0202	7.3390	700.7612	1.4858	0.0509
Dead+Wind 210 deg - Service	43.0696	-3.2630	5.6113	551.2515	320.7134	0.1626
Dead+Wind 240 deg - Service	43.0696	-5.6996	3.2906	321.0709	556.1111	-0.0000
Dead+Wind 270 deg - Service	43.0696	-6.5072	0.0202	2.1201	636.1409	-0.1625
Dead+Wind 300 deg - Service	43.0696	-5.9815	-3.4301	-333.8199	581.1643	-0.2010
Dead+Wind 330 deg - Service	43.0696	-3.6866	-6.3855	-603.2037	346.2581	-0.0375

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	0.0000	-43.0696	0.0000	0.0000	43.0696	0.0000	0.000%
2	0.0932	-51.6835	-33.5192	-0.0932	51.6835	33.5192	0.000%
3	0.0932	-38.7627	-33.5192	-0.0932	38.7627	33.5192	0.000%
4	15.0944	-51.6835	-25.9578	-15.0944	51.6835	25.9578	0.000%
5	15.0944	-38.7627	-25.9578	-15.0944	38.7627	25.9578	0.000%
6	26.5002	-51.6835	-15.2999	-26.5002	51.6835	15.2999	0.000%
7	26.5002	-38.7627	-15.2999	-26.5002	38.7627	15.2999	0.000%
8	29.9527	-51.6835	-0.0932	-29.9527	51.6835	0.0932	0.000%
9	29.9527	-38.7627	-0.0932	-29.9527	38.7627	0.0932	0.000%
10	27.3040	-51.6835	15.6563	-27.3040	51.6835	-15.6563	0.000%
11	27.3040	-38.7627	15.6563	-27.3040	38.7627	-15.6563	0.000%
12	17.0480	-51.6835	29.5280	-17.0480	51.6835	-29.5280	0.000%
13	17.0480	-38.7627	29.5280	-17.0480	38.7627	-29.5280	0.000%
14	-0.0932	-51.6835	33.8088	0.0932	51.6835	-33.8088	0.000%
15	-0.0932	-38.7627	33.8088	0.0932	38.7627	-33.8088	0.000%
16	-15.0313	-51.6835	25.8485	15.0313	51.6835	-25.8485	0.000%
17	-15.0313	-38.7627	25.8485	15.0313	38.7627	-25.8485	0.000%
18	-26.2555	-51.6835	15.1586	26.2555	51.6835	-15.1586	0.000%
19	-26.2555	-38.7627	15.1586	26.2555	38.7627	-15.1586	0.000%
20	-29.9758	-51.6835	0.0932	29.9758	51.6835	-0.0932	0.000%
21	-29.9758	-38.7627	0.0932	29.9758	38.7627	-0.0932	0.000%
22	-27.5548	-51.6835	-15.8011	27.5548	51.6835	15.8011	0.000%
23	-27.5548	-38.7627	-15.8011	27.5548	38.7627	15.8011	0.000%
24	-16.9835	-51.6835	-29.4163	16.9835	51.6835	29.4163	0.000%
25	-16.9835	-38.7627	-29.4163	16.9835	38.7627	29.4163	0.000%
26	0.0000	-89.2683	0.0000	0.0000	89.2683	-0.0000	0.000%
27	0.0161	-89.2683	-7.0983	-0.0161	89.2683	7.0983	0.000%
28	3.2193	-89.2683	-5.5436	-3.2193	89.2683	5.5436	0.000%
29	5.6369	-89.2683	-3.2545	-5.6369	89.2683	3.2545	0.000%
30	6.3802	-89.2683	-0.0161	-6.3802	89.2683	0.0161	0.000%
31	5.7184	-89.2683	3.2829	-5.7184	89.2683	-3.2829	0.000%
32	3.6123	-89.2683	6.2567	-3.6123	89.2683	-6.2567	0.000%
33	-0.0161	-89.2683	7.1477	0.0161	89.2683	-7.1477	0.000%
34	-3.1997	-89.2683	5.5097	3.1997	89.2683	-5.5097	0.000%
35	-5.5796	-89.2683	3.2214	5.5796	89.2683	-3.2214	0.000%
36	-6.4018	-89.2683	0.0161	6.4018	89.2683	-0.0161	0.000%
37	-5.7611	-89.2683	-3.3076	5.7611	89.2683	3.3076	0.000%
38	-3.6015	-89.2683	-6.2379	3.6015	89.2683	6.2380	0.000%
39	0.0202	-43.0696	-7.2761	-0.0202	43.0696	7.2761	0.000%
40	3.2767	-43.0696	-5.6350	-3.2767	43.0696	5.6350	0.000%
41	5.7527	-43.0696	-3.3213	-5.7527	43.0696	3.3213	0.000%
42	6.5022	-43.0696	-0.0202	-6.5022	43.0696	0.0202	0.000%
43	5.9271	-43.0696	3.3986	-5.9271	43.0696	-3.3986	0.000%
44	3.7006	-43.0696	6.4097	-3.7006	43.0696	-6.4097	0.000%
45	-0.0202	-43.0696	7.3390	0.0202	43.0696	-7.3390	0.000%
46	-3.2630	-43.0696	5.6113	3.2630	43.0696	-5.6113	0.000%
47	-5.6996	-43.0696	3.2906	5.6996	43.0696	-3.2906	0.000%
48	-6.5072	-43.0696	0.0202	6.5072	43.0696	-0.0202	0.000%
49	-5.9815	-43.0696	-3.4301	5.9815	43.0696	3.4301	0.000%
50	-3.6866	-43.0696	-6.3855	3.6866	43.0696	6.3855	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00048372
3	Yes	5	0.00000001	0.00017817
4	Yes	7	0.00000001	0.00012146
5	Yes	6	0.00000001	0.00061216

6	Yes	7	0.00000001	0.00012400
7	Yes	6	0.00000001	0.00062441
8	Yes	5	0.00000001	0.00053282
9	Yes	5	0.00000001	0.00021233
10	Yes	7	0.00000001	0.00013291
11	Yes	6	0.00000001	0.00066599
12	Yes	7	0.00000001	0.00013105
13	Yes	6	0.00000001	0.00065218
14	Yes	6	0.00000001	0.00007179
15	Yes	5	0.00000001	0.00048104
16	Yes	7	0.00000001	0.00012631
17	Yes	6	0.00000001	0.00063722
18	Yes	7	0.00000001	0.00012451
19	Yes	6	0.00000001	0.00062712
20	Yes	6	0.00000001	0.00008488
21	Yes	5	0.00000001	0.00058951
22	Yes	7	0.00000001	0.00012749
23	Yes	6	0.00000001	0.00063788
24	Yes	7	0.00000001	0.00013513
25	Yes	6	0.00000001	0.00067274
26	Yes	4	0.00000001	0.00019086
27	Yes	7	0.00000001	0.00049913
28	Yes	7	0.00000001	0.00055514
29	Yes	7	0.00000001	0.00055875
30	Yes	7	0.00000001	0.00047827
31	Yes	7	0.00000001	0.00057133
32	Yes	7	0.00000001	0.00058062
33	Yes	7	0.00000001	0.00050031
34	Yes	7	0.00000001	0.00055905
35	Yes	7	0.00000001	0.00055977
36	Yes	7	0.00000001	0.00047970
37	Yes	7	0.00000001	0.00056859
38	Yes	7	0.00000001	0.00058413
39	Yes	5	0.00000001	0.00009348
40	Yes	5	0.00000001	0.00043359
41	Yes	5	0.00000001	0.00045389
42	Yes	5	0.00000001	0.00009223
43	Yes	5	0.00000001	0.00051682
44	Yes	5	0.00000001	0.00049955
45	Yes	5	0.00000001	0.00009699
46	Yes	5	0.00000001	0.00047168
47	Yes	5	0.00000001	0.00045623
48	Yes	5	0.00000001	0.00009627
49	Yes	5	0.00000001	0.00047031
50	Yes	5	0.00000001	0.00053352

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	140 - 135	25.0890	45	1.9188	0.0104
L2	135 - 130	23.0847	45	1.9023	0.0087
L3	130 - 125	21.1169	45	1.8526	0.0065
L4	125 - 120	19.2160	39	1.7744	0.0047
L5	120 - 115	17.4191	39	1.6613	0.0032
L6	115 - 114.75	15.7534	39	1.5183	0.0022
L7	114.75 - 109.75	15.6741	39	1.5149	0.0021
L8	109.75 - 104.75	14.1259	39	1.4413	0.0018
L9	104.75 - 101.58	12.6605	39	1.3568	0.0015
L10	101.58 - 101.33	11.7785	39	1.3000	0.0013
L11	101.33 - 96.33	11.7105	39	1.2941	0.0013
L12	96.33 - 91.33	10.4189	39	1.1725	0.0010
L13	91.33 - 91	9.2557	39	1.0490	0.0008
L14	91 - 90.75	9.1835	39	1.0408	0.0008
L15	90.75 - 85.75	9.1290	39	1.0375	0.0008
L16	85.75 - 80.75	8.0783	39	0.9694	0.0007
L17	80.75 - 75.75	7.1001	39	0.8990	0.0006

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L18	75.75 - 70.75	6.1959	39	0.8281	0.0005
L19	70.75 - 69.98	5.3658	39	0.7574	0.0005
L20	69.98 - 69.73	5.2446	39	0.7464	0.0004
L21	69.73 - 64.73	5.2056	39	0.7429	0.0004
L22	64.73 - 63	4.4655	39	0.6707	0.0004
L23	63 - 62.75	4.2269	39	0.6462	0.0004
L24	62.75 - 59.08	4.1932	39	0.6435	0.0004
L25	59.08 - 58.82	3.7141	39	0.6031	0.0003
L26	58.82 - 58.67	3.6814	39	0.6000	0.0003
L27	58.67 - 53.67	3.6626	39	0.5982	0.0003
L28	53.67 - 48.58	3.0678	39	0.5380	0.0003
L29	53 - 47.58	2.9928	39	0.5300	0.0003
L30	47.58 - 42.58	2.4100	39	0.4917	0.0002
L31	42.58 - 39.67	1.9266	45	0.4319	0.0002
L32	39.67 - 39.42	1.6740	45	0.3971	0.0002
L33	39.42 - 34.42	1.6533	45	0.3949	0.0002
L34	34.42 - 32.5	1.2642	45	0.3486	0.0002
L35	32.5 - 32.25	1.1274	45	0.3314	0.0001
L36	32.25 - 31.42	1.1102	45	0.3286	0.0001
L37	31.42 - 31.17	1.0539	45	0.3190	0.0001
L38	31.17 - 29	1.0372	45	0.3167	0.0001
L39	29 - 28.65	0.8979	45	0.2967	0.0001
L40	28.65 - 28.42	0.8763	45	0.2931	0.0001
L41	28.42 - 23.5	0.8622	45	0.2907	0.0001
L42	23.5 - 23.25	0.5888	45	0.2400	0.0001
L43	23.25 - 23	0.5763	45	0.2379	0.0001
L44	23 - 22.75	0.5639	45	0.2357	0.0001
L45	22.75 - 17.75	0.5516	45	0.2332	0.0001
L46	17.75 - 12.75	0.3348	45	0.1812	0.0001
L47	12.75 - 7.75	0.1721	45	0.1297	0.0001
L48	7.75 - 2.75	0.0632	45	0.0784	0.0000
L49	2.75 - 0	0.0079	45	0.0275	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
138.0000	(2) HBXX-6516DS-A2M w/ Mount Pipe	45	24.2851	1.9146	0.0098	7545
129.0000	(2) HPA-65R-BUU-H6 w/ Mount Pipe	45	20.7302	1.8389	0.0061	3975
120.0000	AIR 32 B2A B66AA w/ Mount Pipe	39	17.4191	1.6613	0.0032	2193
73.0000	DT465B-2XR w/ Mount Pipe	39	5.7302	0.7892	0.0005	4047
50.0000	GPS-TMG-HR-26NCM	39	2.6643	0.5072	0.0003	6811

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	140 - 135	116.2435	14	8.8819	0.0476
L2	135 - 130	106.9986	14	8.8112	0.0401
L3	130 - 125	97.9139	14	8.5879	0.0298
L4	125 - 120	89.1224	14	8.2314	0.0215
L5	120 - 115	80.7905	14	7.7111	0.0152
L6	115 - 114.75	73.0695	14	7.0509	0.0103
L7	114.75 - 109.75	72.7017	14	7.0354	0.0102
L8	109.75 - 104.75	65.5265	14	6.6950	0.0085
L9	104.75 - 101.58	58.7345	14	6.3019	0.0070

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L10	101.58 - 101.33	54.6465	14	6.0376	0.0062
L11	101.33 - 96.33	54.3317	14	6.0098	0.0062
L12	96.33 - 91.33	48.3443	14	5.4442	0.0048
L13	91.33 - 91	42.9513	14	4.8699	0.0038
L14	91 - 90.75	42.6164	14	4.8320	0.0037
L15	90.75 - 85.75	42.3642	14	4.8165	0.0037
L16	85.75 - 80.75	37.4916	14	4.5000	0.0032
L17	80.75 - 75.75	32.9547	14	4.1734	0.0028
L18	75.75 - 70.75	28.7605	14	3.8442	0.0024
L19	70.75 - 69.98	24.9093	14	3.5164	0.0021
L20	69.98 - 69.73	24.3467	14	3.4655	0.0021
L21	69.73 - 64.73	24.1658	14	3.4489	0.0020
L22	64.73 - 63	20.7315	14	3.1141	0.0017
L23	63 - 62.75	19.6242	14	3.0003	0.0016
L24	62.75 - 59.08	19.4675	14	2.9877	0.0016
L25	59.08 - 58.82	17.2441	14	2.8004	0.0015
L26	58.82 - 58.67	17.0920	14	2.7860	0.0015
L27	58.67 - 53.67	17.0047	14	2.7777	0.0015
L28	53.67 - 48.58	14.2437	14	2.4980	0.0013
L29	53 - 47.58	13.8958	14	2.4609	0.0012
L30	47.58 - 42.58	11.1903	14	2.2835	0.0011
L31	42.58 - 39.67	8.9455	14	2.0059	0.0009
L32	39.67 - 39.42	7.7725	14	1.8442	0.0008
L33	39.42 - 34.42	7.6762	14	1.8336	0.0008
L34	34.42 - 32.5	5.8692	14	1.6187	0.0007
L35	32.5 - 32.25	5.2343	14	1.5391	0.0007
L36	32.25 - 31.42	5.1541	14	1.5258	0.0007
L37	31.42 - 31.17	4.8928	14	1.4812	0.0006
L38	31.17 - 29	4.8155	14	1.4706	0.0006
L39	29 - 28.65	4.1684	14	1.3777	0.0006
L40	28.65 - 28.42	4.0680	14	1.3610	0.0006
L41	28.42 - 23.5	4.0027	14	1.3501	0.0006
L42	23.5 - 23.25	2.7334	14	1.1145	0.0005
L43	23.25 - 23	2.6753	14	1.1045	0.0005
L44	23 - 22.75	2.6177	14	1.0945	0.0004
L45	22.75 - 17.75	2.5607	14	1.0826	0.0004
L46	17.75 - 12.75	1.5539	14	0.8414	0.0003
L47	12.75 - 7.75	0.7987	14	0.6019	0.0002
L48	7.75 - 2.75	0.2935	14	0.3639	0.0001
L49	2.75 - 0	0.0367	14	0.1275	0.0000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
138.0000	(2) HBXX-6516DS-A2M w/ Mount Pipe	14	112.5360	8.8647	0.0449	1863
129.0000	(2) HPA-65R-BUU-H6 w/ Mount Pipe	14	96.1272	8.5256	0.0279	931
120.0000	AIR 32 B2A B66AA w/ Mount Pipe	14	80.7905	7.7111	0.0152	497
73.0000	DT465B-2XR w/ Mount Pipe	14	26.5999	3.6640	0.0022	878
50.0000	GPS-TMG-HR-26NCM	14	12.3709	2.3553	0.0012	1472

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 P _u / φP _n
L1	140 - 135 (1)	TP14.296x13.161x0.1875	5.0000	0.0000	0.0	8.3963	-2.8370	491.1830	0.006
L2	135 - 130 (2)	TP15.4309x14.296x0.1875	5.0000	0.0000	0.0	9.0717	-3.0828	530.6970	0.006
L3	130 - 125 (3)	TP16.5659x15.4309x0.1875	5.0000	0.0000	0.0	9.7472	-6.9749	570.2100	0.012
L4	125 - 120 (4)	TP17.7008x16.5659x0.1875	5.0000	0.0000	0.0	10.4226	-7.4000	609.7230	0.012
L5	120 - 115 (5)	TP18.8358x17.7008x0.1875	5.0000	0.0000	0.0	11.0981	-11.3029	649.2360	0.017
L6	115 - 114.75 (6)	TP18.8925x18.8358x0.4625	0.2500	0.0000	0.0	27.0548	-11.3602	1582.7100	0.007
L7	114.75 - 109.75 (7)	TP20.0275x18.8925x0.455	5.0000	0.0000	0.0	27.9625	-12.1187	1635.8100	0.007
L8	109.75 - 104.75 (8)	TP21.1624x20.0275x0.425	5.0000	0.0000	0.0	27.9738	-12.7710	1636.4700	0.008
L9	104.75 - 101.58 (9)	TP21.882x21.1624x0.4188	3.1700	0.0000	0.0	28.5271	-13.2764	1668.8300	0.008
L10	101.58 - 101.33 (10)	TP21.9388x21.882x0.3125	0.2500	0.0000	0.0	21.4505	-13.3251	1254.8600	0.011
L11	101.33 - 96.33 (11)	TP23.0738x21.9388x0.3125	5.0000	0.0000	0.0	22.5763	-14.1018	1320.7100	0.011
L12	96.33 - 91.33 (12)	TP24.2088x23.0738x0.3125	5.0000	0.0000	0.0	23.7021	-14.9291	1386.5700	0.011
L13	91.33 - 91 (13)	TP24.2837x24.2088x0.3125	0.3300	0.0000	0.0	23.7764	-14.9985	1390.9200	0.011
L14	91 - 90.75 (14)	TP24.3404x24.2837x0.62	0.2500	0.0000	0.0	45.2112	-15.0585	2644.8600	0.006
L15	90.75 - 85.75 (15)	TP25.4754x24.3404x0.5875	5.0000	0.0000	0.0	46.4091	-16.1802	2714.9300	0.006
L16	85.75 - 80.75 (16)	TP26.6104x25.4754x0.5625	5.0000	0.0000	0.0	46.5053	-17.3439	2720.5600	0.006
L17	80.75 - 75.75 (17)	TP27.7454x26.6104x0.550	5.0000	0.0000	0.0	47.4750	-18.5392	2777.2900	0.007
L18	75.75 - 70.75 (18)	TP28.8804x27.7454x0.5438	5.0000	0.0000	0.0	48.9052	-23.8542	2860.9500	0.008
L19	70.75 - 69.98 (19)	TP29.0552x28.8804x0.5313	0.7700	0.0000	0.0	48.0967	-24.0579	2813.6600	0.009
L20	69.98 - 69.73 (20)	TP29.112x29.0552x0.5313	0.2500	0.0000	0.0	48.1924	-24.1309	2819.2600	0.009
L21	69.73 - 64.73 (21)	TP30.247x29.112x0.5252	5.0000	0.0000	0.0	49.5272	-25.4388	2897.3400	0.009
L22	64.73 - 63 (22)	TP30.6397x30.247x0.5188	1.7300	0.0000	0.0	49.5945	-25.8919	2901.2800	0.009
L23	63 - 62.75 (23)	TP30.6964x30.6397x0.70	0.2500	0.0000	0.0	66.6460	-25.9993	3898.7900	0.007
L24	62.75 - 59.08 (24)	TP31.5295x30.6964x0.6875	3.6700	0.0000	0.0	67.3011	-27.2239	3937.1100	0.007
L25	59.08 - 58.82 (25)	TP31.5885x31.5295x0.625	0.2600	0.0000	0.0	61.4239	-27.3191	3593.3000	0.008
L26	58.82 - 58.67 (26)	TP31.6226x31.5885x0.625	0.1500	0.0000	0.0	61.4914	-27.3690	3597.2500	0.008
L27	58.67 - 53.67 (27)	TP32.7576x31.6226x0.6125	5.0000	0.0000	0.0	62.4924	-28.9833	3655.8100	0.008
L28	53.67 - 48.58 (28)	TP33.913x32.7576x0.6125	5.0900	0.0000	0.0	62.7881	-29.2090	3673.1000	0.008
L29	48.58 - 47.58 (29)	TP33.5151x32.2847x0.6375	5.4200	0.0000	0.0	66.5254	-32.1378	3891.7400	0.008
L30	47.58 - 42.58 (30)	TP34.6503x33.5151x0.625	5.0000	0.0000	0.0	67.4976	-33.7952	3948.6100	0.009
L31	42.58 - 39.67 (31)	TP35.3109x34.6503x0.6125	2.9100	0.0000	0.0	67.4563	-34.7726	3946.1900	0.009
L32	39.67 - 39.42 (32)	TP35.3677x35.3109x0.8125	0.2500	0.0000	0.0	89.1134	-34.8927	5213.1400	0.007
L33	39.42 - 34.42 (33)	TP36.5028x35.3677x0.7875	5.0000	0.0000	0.0	89.2713	-36.9247	5222.3700	0.007
L34	34.42 - 32.5 (34)	TP36.9387x36.5028x0.7875	1.9200	0.0000	0.0	90.3608	-37.7080	5286.1100	0.007
L35	32.5 - 32.25 (35)	TP36.9954x36.9387x0.6125	0.2500	0.0000	0.0	70.7312	-37.8138	4137.7700	0.009

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L36	32.25 - 31.42 (36)	TP37.1839x36.9954x0.6	0.8300	0.0000	0.0	69.670 3	-38.0981	4075.7100	0.009
L37	31.42 - 31.17 (37)	TP37.2406x37.1839x0.77 5	0.2500	0.0000	0.0	89.700 0	-38.2117	5247.4500	0.007
L38	31.17 - 29 (38)	TP37.7333x37.2406x0.76 25	2.1700	0.0000	0.0	89.475 7	-39.1081	5234.3300	0.007
L39	29 - 28.65 (39)	TP37.8127x37.7333x0.67 5	0.3500	0.0000	0.0	79.565 7	-39.2558	4654.5900	0.008
L40	28.65 - 28.42 (40)	TP37.8649x37.8127x0.67 5	0.2300	0.0000	0.0	79.677 6	-39.3491	4661.1400	0.008
L41	28.42 - 23.5 (41)	TP38.9819x37.8649x0.66 25	4.9200	0.0000	0.0	80.577 1	-41.3037	4713.7600	0.009
L42	23.5 - 23.25 (42)	TP39.0387x38.9819x0.78 75	0.2500	0.0000	0.0	95.609 7	-41.4356	5593.1700	0.007
L43	23.25 - 23 (43)	TP39.0954x39.0387x0.78 75	0.2500	0.0000	0.0	95.751 6	-41.5542	5601.4700	0.007
L44	23 - 22.75 (44)	TP39.1522x39.0954x0.65 75	0.2500	0.0000	0.0	79.433 8	-41.6612	4646.8800	0.009
L45	22.75 - 17.75 (45)	TP40.2873x39.1522x0.63 75	5.0000	0.0000	0.0	80.228 4	-43.8043	4693.3600	0.009
L46	17.75 - 12.75 (46)	TP41.4224x40.2873x0.62 5	5.0000	0.0000	0.0	80.931 9	-45.9847	4734.5200	0.010
L47	12.75 - 7.75 (47)	TP42.5576x41.4224x0.61 25	5.0000	0.0000	0.0	81.544 3	-48.1922	4770.3400	0.010
L48	7.75 - 2.75 (48)	TP43.6927x42.5576x0.6	5.0000	0.0000	0.0	82.065 7	-50.4270	4800.8400	0.011
L49	2.75 - 0 (49)	TP44.317x43.6927x0.6	2.7500	0.0000	0.0	83.254 7	-51.6648	4870.4000	0.011

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{rx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{rx}}$	M _{uy} kip-ft	φM _{ry} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ry}}$
L1	140 - 135 (1)	TP14.296x13.161x0.1875	25.4331	180.0050	0.141	0.0000	180.0050	0.000
L2	135 - 130 (2)	TP15.4309x14.296x0.1875	53.1854	210.3367	0.253	0.0000	210.3367	0.000
L3	130 - 125 (3)	TP16.5659x15.4309x0.1875	106.9025	243.0292	0.440	0.0000	243.0292	0.000
L4	125 - 120 (4)	TP17.7008x16.5659x0.1875	167.8417	278.0817	0.604	0.0000	278.0817	0.000
L5	120 - 115 (5)	TP18.8358x17.7008x0.1875	252.6850	312.0175	0.810	0.0000	312.0175	0.000
L6	115 - 114.75 (6)	TP18.8925x18.8358x0.4625	256.9483	748.9600	0.343	0.0000	748.9600	0.000
L7	114.75 - 109.75 (7)	TP20.0275x18.8925x0.45	343.3508	823.9783	0.417	0.0000	823.9783	0.000
L8	109.75 - 104.75 (8)	TP21.1624x20.0275x0.425	433.3425	875.2833	0.495	0.0000	875.2833	0.000
L9	104.75 - 101.58 (9)	TP21.882x21.1624x0.4188	492.5842	924.7250	0.533	0.0000	924.7250	0.000
L10	101.58 - 101.33 (10)	TP21.9388x21.882x0.3125	497.3283	704.1108	0.706	0.0000	704.1108	0.000
L11	101.33 - 96.33 (11)	TP23.0738x21.9388x0.3125	593.5892	780.5117	0.761	0.0000	780.5117	0.000
L12	96.33 - 91.33 (12)	TP24.2088x23.0738x0.3125	692.4867	860.8500	0.804	0.0000	860.8500	0.000
L13	91.33 - 91 (13)	TP24.2837x24.2088x0.3125	699.1067	866.2917	0.807	0.0000	866.2917	0.000
L14	91 - 90.75 (14)	TP24.3404x24.2837x0.6	704.1308	1611.9333	0.437	0.0000	1611.9333	0.000
L15	90.75 - 85.75 (15)	TP25.4754x24.3404x0.5875	806.2525	1737.4417	0.464	0.0000	1737.4417	0.000
L16	85.75 - 80.75 (16)	TP26.6104x25.4754x0.5625	911.5167	1825.7833	0.499	0.0000	1825.7833	0.000

Section No.	Elevation ft	Size	M_{ux}	ϕM_{rx}	Ratio	M_{uy} kip-ft	ϕM_{ry}	Ratio
			kip-ft	kip-ft	$\frac{M_{ux}}{\phi M_{rx}}$		kip-ft	$\frac{M_{uy}}{\phi M_{ry}}$
L17	80.75 - 75.75 (17)	TP27.7454x26.6104x0.55	1019.9000	1948.5750	0.523	0.0000	1948.5750	0.000
L18	75.75 - 70.75 (18)	TP28.8804x27.7454x0.54 38	1139.7333	2093.6333	0.544	0.0000	2093.6333	0.000
L19	70.75 - 69.98 (19)	TP29.0552x28.8804x0.53 13	1159.1917	2073.7833	0.559	0.0000	2073.7833	0.000
L20	69.98 - 69.73 (20)	TP29.112x29.0552x0.531 3	1165.5333	2082.1167	0.560	0.0000	2082.1167	0.000
L21	69.73 - 64.73 (21)	TP30.247x29.112x0.525	1293.9333	2227.2500	0.581	0.0000	2227.2500	0.000
L22	64.73 - 63 (22)	TP30.6397x30.247x0.518 8	1339.1167	2261.1917	0.592	0.0000	2261.1917	0.000
L23	63 - 62.75 (23)	TP30.6964x30.6397x0.7	1345.6833	3008.0000	0.447	0.0000	3008.0000	0.000
L24	62.75 - 59.08 (24)	TP31.5295x30.6964x0.68 75	1443.0583	3126.3833	0.462	0.0000	3126.3833	0.000
L25	59.08 - 58.82 (25)	TP31.5885x31.5295x0.62 5	1450.0333	2870.5250	0.505	0.0000	2870.5250	0.000
L26	58.82 - 58.67 (26)	TP31.6226x31.5885x0.62 5	1454.0583	2876.9000	0.505	0.0000	2876.9000	0.000
L27	58.67 - 53.67 (27)	TP32.7576x31.6226x0.61 25	1589.9667	3035.2667	0.524	0.0000	3035.2667	0.000
L28	53.67 - 48.58 (28)	TP33.913x32.7576x0.612 5	1608.4250	3064.3250	0.525	0.0000	3064.3250	0.000
L29	48.58 - 47.58 (29)	TP33.5151x32.2847x0.63 75	1760.2417	3303.6917	0.533	0.0000	3303.6917	0.000
L30	47.58 - 42.58 (30)	TP34.6503x33.5151x0.62 5	1904.4583	3472.4583	0.548	0.0000	3472.4583	0.000
L31	42.58 - 39.67 (31)	TP35.3109x34.6503x0.61 25	1989.8667	3541.4833	0.562	0.0000	3541.4833	0.000
L32	39.67 - 39.42 (32)	TP35.3677x35.3109x0.81 25	1997.2583	4632.4917	0.431	0.0000	4632.4917	0.000
L33	39.42 - 34.42 (33)	TP36.5028x35.3677x0.78 75	2146.8000	4803.3667	0.447	0.0000	4803.3667	0.000
L34	34.42 - 32.5 (34)	TP36.9387x36.5028x0.78 75	2205.1333	4922.6083	0.448	0.0000	4922.6083	0.000
L35	32.5 - 32.25 (35)	TP36.9954x36.9387x0.61 25	2212.7667	3896.8167	0.568	0.0000	3896.8167	0.000
L36	32.25 - 31.42 (36)	TP37.1839x36.9954x0.6 25	2238.1500	3861.2167	0.580	0.0000	3861.2167	0.000
L37	31.42 - 31.17 (37)	TP37.2406x37.1839x0.77 5	2245.8083	4931.6750	0.455	0.0000	4931.6750	0.000
L38	31.17 - 29 (38)	TP37.7333x37.2406x0.76 25	2312.6333	4990.5667	0.463	0.0000	4990.5667	0.000
L39	29 - 28.65 (39)	TP37.8127x37.7333x0.67 5	2323.4667	4468.5917	0.520	0.0000	4468.5917	0.000
L40	28.65 - 28.42 (40)	TP37.8649x37.8127x0.67 5	2330.5917	4481.2750	0.520	0.0000	4481.2750	0.000
L41	28.42 - 23.5 (41)	TP38.9819x37.8649x0.66 25	2484.3333	4673.4583	0.532	0.0000	4673.4583	0.000
L42	23.5 - 23.25 (42)	TP39.0387x38.9819x0.78 75	2492.2083	5517.5750	0.452	0.0000	5517.5750	0.000
L43	23.25 - 23 (43)	TP39.0954x39.0387x0.78 75	2500.0917	5534.1333	0.452	0.0000	5534.1333	0.000
L44	23 - 22.75 (44)	TP39.1522x39.0954x0.65 75	2507.9833	4630.9750	0.542	0.0000	4630.9750	0.000
L45	22.75 - 17.75 (45)	TP40.2873x39.1522x0.63 75	2667.1083	4820.5250	0.553	0.0000	4820.5250	0.000
L46	17.75 - 12.75 (46)	TP41.4224x40.2873x0.62 5	2828.7083	5007.2833	0.565	0.0000	5007.2833	0.000
L47	12.75 - 7.75 (47)	TP42.5576x41.4224x0.61 25	2992.7333	5190.7583	0.577	0.0000	5190.7583	0.000
L48	7.75 - 2.75 (48)	TP43.6927x42.5576x0.6	3159.2000	5370.4667	0.588	0.0000	5370.4667	0.000
L49	2.75 - 0 (49)	TP44.317x43.6927x0.6	3251.7750	5528.2917	0.588	0.0000	5528.2917	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual	ϕV_n	Ratio	Actual	ϕT_n	Ratio
			V_u K	K	$\frac{V_u}{\phi V_n}$	T_u kip-ft	$\frac{T_u}{\phi T_n}$	
L1	140 - 135 (1)	TP14.296x13.161x0.1875	5.4451	147.3550	0.037	0.0000	182.0642	0.000
L2	135 - 130 (2)	TP15.4309x14.296x0.1875	5.6619	159.2090	0.036	0.0000	212.5350	0.000
L3	130 - 125 (3)	TP16.5659x15.4309x0.1875	12.0964	171.0630	0.071	0.0000	245.3617	0.000
L4	125 - 120 (4)	TP17.7008x16.5659x0.1875	12.2936	182.9170	0.067	0.0000	280.5450	0.000
L5	120 - 115 (5)	TP18.8358x17.7008x0.1875	17.0732	194.7710	0.088	0.0000	318.0850	0.000
L6	115 - 114.75 (6)	TP18.8925x18.8358x0.4625	17.0835	474.8120	0.036	0.0000	766.3508	0.000
L7	114.75 - 109.75 (7)	TP20.0275x18.8925x0.45	17.5237	490.7420	0.036	0.0000	841.3750	0.000
L8	109.75 - 104.75 (8)	TP21.1624x20.0275x0.425	18.5186	490.9400	0.038	1.0252	891.5833	0.001
L9	104.75 - 101.58 (9)	TP21.882x21.1624x0.4188	18.9640	500.6500	0.038	0.9410	941.0417	0.001
L10	101.58 - 101.33 (10)	TP21.9388x21.882x0.3125	18.9853	376.4570	0.050	0.9251	712.9783	0.001
L11	101.33 - 96.33 (11)	TP23.0738x21.9388x0.3125	19.5218	396.2140	0.049	0.7876	789.7800	0.001
L12	96.33 - 91.33 (12)	TP24.2088x23.0738x0.3125	20.0492	415.9720	0.048	0.6772	870.5083	0.001
L13	91.33 - 91 (13)	TP24.2837x24.2088x0.3125	20.0753	417.2760	0.048	0.6575	875.9750	0.001
L14	91 - 90.75 (14)	TP24.3404x24.2837x0.6	20.1049	793.4570	0.025	0.6539	1649.6500	0.000
L15	90.75 - 85.75 (15)	TP25.4754x24.3404x0.5875	20.7396	814.4800	0.025	0.6081	1775.2083	0.000
L16	85.75 - 80.75 (16)	TP26.6104x25.4754x0.5625	21.3663	816.1680	0.026	0.5531	1861.8000	0.000
L17	80.75 - 75.75 (17)	TP27.7454x26.6104x0.55	21.9894	833.1870	0.026	0.4971	1984.3500	0.000
L18	75.75 - 70.75 (18)	TP28.8804x27.7454x0.5438	25.2212	858.2860	0.029	0.4452	2129.9083	0.000
L19	70.75 - 69.98 (19)	TP29.0552x28.8804x0.5313	25.3226	844.0980	0.030	0.4349	2108.5417	0.000
L20	69.98 - 69.73 (20)	TP29.112x29.0552x0.5313	25.3518	845.7770	0.030	0.4288	2116.9417	0.000
L21	69.73 - 64.73 (21)	TP30.247x29.112x0.525	26.0086	869.2020	0.030	0.3845	2262.4417	0.000
L22	64.73 - 63 (22)	TP30.6397x30.247x0.5188	26.2491	870.3830	0.030	0.3738	2295.9250	0.000
L23	63 - 62.75 (23)	TP30.6964x30.6397x0.7	26.2648	1169.6400	0.022	0.3599	3072.5583	0.000
L24	62.75 - 59.08 (24)	TP31.5295x30.6964x0.6875	26.8006	1181.1300	0.023	0.3405	3190.2250	0.000
L25	59.08 - 58.82 (25)	TP31.5885x31.5295x0.625	26.8291	1077.9900	0.025	0.3316	2923.1083	0.000
L26	58.82 - 58.67 (26)	TP31.6226x31.5885x0.625	26.8549	1079.1700	0.025	0.3300	2929.5417	0.000
L27	58.67 - 53.67 (27)	TP32.7576x31.6226x0.6125	27.5095	1096.7400	0.025	0.3012	3087.4417	0.000
L28	53.67 - 48.58 (28)	TP33.913x32.7576x0.6125	27.5893	1101.9300	0.025	0.2941	3116.7250	0.000
L29	48.58 - 47.58 (29)	TP33.5151x32.2847x0.6375	28.4423	1167.5200	0.024	0.3310	3361.5917	0.000
L30	47.58 - 42.58 (30)	TP34.6503x33.5151x0.625	29.1946	1184.5800	0.025	0.3275	3529.7750	0.000
L31	42.58 - 39.67 (31)	TP35.3109x34.6503x0.6125	29.5738	1183.8600	0.025	0.3090	3597.4000	0.000
L32	39.67 - 39.42 (32)	TP35.3677x35.3109x0.8125	29.5876	1563.9400	0.019	0.2993	4732.7500	0.000
L33	39.42 - 34.42 (33)	TP36.5028x35.3677x0.7875	30.2800	1566.7100	0.019	0.2741	4900.3000	0.000
L34	34.42 - 32.5	TP36.9387x36.5028x0.78	30.5530	1585.8300	0.019	0.2681	5020.6417	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 $\frac{T_u}{\phi T_n}$
L35	32.5 - 32.25 (34)	TP36.9954x36.9387x0.61 75	30.5566	1241.3300	0.025	0.2581	3955.1750	0.000
L36	32.25 - 31.42 (35)	TP37.1839x36.9954x0.6 25	30.6502	1222.7100	0.025	0.2581	3917.3667	0.000
L37	31.42 - 31.17 (36)	TP37.2406x37.1839x0.77 5	30.6663	1574.2300	0.019	0.2581	5027.2833	0.000
L38	31.17 - 29 (37)	TP37.7333x37.2406x0.76 25	30.9709	1570.3000	0.020	0.2538	5084.1750	0.000
L39	29 - 28.65 (38)	TP37.8127x37.7333x0.67 5	30.9971	1396.3800	0.022	0.2496	4541.4917	0.000
L40	28.65 - 28.42 (39)	TP37.8649x37.8127x0.67 5	31.0191	1398.3400	0.022	0.2496	4554.2667	0.000
L41	28.42 - 23.5 (40)	TP38.9819x37.8649x0.66 25	31.5322	1414.1300	0.022	0.2495	4745.5583	0.000
L42	23.5 - 23.25 (41)	TP39.0387x38.9819x0.78 75	31.5424	1677.9500	0.019	0.2495	5620.8747	0.000
L43	23.25 - 23 (42)	TP39.0954x39.0387x0.78 75	31.5700	1680.4400	0.019	0.2495	5637.5667	0.000
L44	23 - 22.75 (43)	TP39.1522x39.0954x0.65 75	31.5966	1394.0600	0.023	0.2495	4700.5417	0.000
L45	22.75 - 17.75 (44)	TP40.2873x39.1522x0.63 75	32.1092	1408.0100	0.023	0.2495	4889.0667	0.000
L46	17.75 - 12.75 (45)	TP41.4224x40.2873x0.62 5	32.5985	1420.3500	0.023	0.2494	5074.6917	0.000
L47	12.75 - 7.75 (46)	TP42.5576x41.4224x0.61 25	33.0866	1431.1000	0.023	0.2494	5256.9250	0.000
L48	7.75 - 2.75 (47)	TP43.6927x42.5576x0.6 25	33.5731	1440.2500	0.023	0.2494	5435.2833	0.000
L49	2.75 - 0 (49)	TP44.317x43.6927x0.6	33.8377	1461.1200	0.023	0.2494	5593.9167	0.000

Pole Interaction Design Data

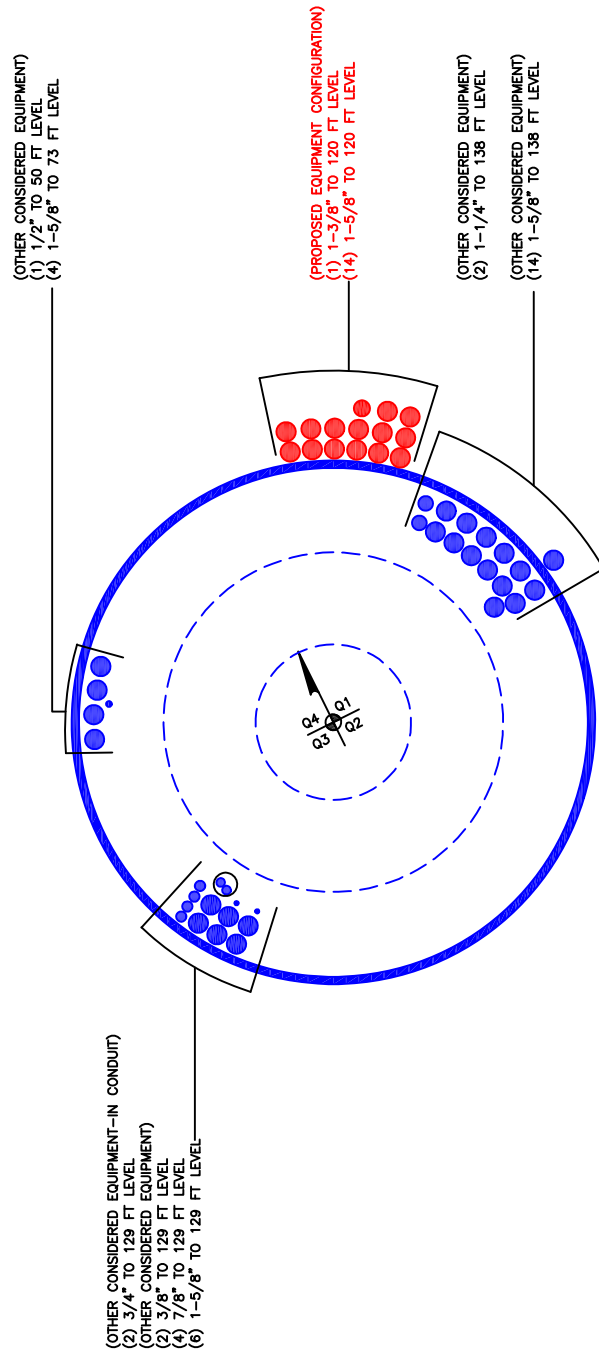
Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	140 - 135 (1)	0.006	0.141	0.000	0.037	0.000	0.148	1.050	4.8.2
L2	135 - 130 (2)	0.006	0.253	0.000	0.036	0.000	0.260	1.050	4.8.2
L3	130 - 125 (3)	0.012	0.440	0.000	0.071	0.000	0.457	1.050	4.8.2
L4	125 - 120 (4)	0.012	0.604	0.000	0.067	0.000	0.620	1.050	4.8.2
L5	120 - 115 (5)	0.017	0.810	0.000	0.088	0.000	0.835	1.050	4.8.2
L6	115 - 114.75 (6)	0.007	0.343	0.000	0.036	0.000	0.352	1.050	4.8.2
L7	114.75 - 109.75 (7)	0.007	0.417	0.000	0.036	0.000	0.425	1.050	4.8.2
L8	109.75 - 104.75 (8)	0.008	0.495	0.000	0.038	0.001	0.504	1.050	4.8.2
L9	104.75 - 101.58 (9)	0.008	0.533	0.000	0.038	0.001	0.542	1.050	4.8.2
L10	101.58 - 101.33 (10)	0.011	0.706	0.000	0.050	0.001	0.720	1.050	4.8.2
L11	101.33 - 96.33 (11)	0.011	0.761	0.000	0.049	0.001	0.774	1.050	4.8.2
L12	96.33 - 91.33 (12)	0.011	0.804	0.000	0.048	0.001	0.818	1.050	4.8.2
L13	91.33 - 91 (13)	0.011	0.807	0.000	0.048	0.001	0.820	1.050	4.8.2
L14	91 - 90.75 (14)	0.006	0.437	0.000	0.025	0.000	0.443	1.050	4.8.2
L15	90.75 - 85.75 (15)	0.006	0.464	0.000	0.025	0.000	0.471	1.050	4.8.2
L16	85.75 - 80.75 (16)	0.006	0.499	0.000	0.026	0.000	0.506	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			
L17	80.75 - 75.75 (17)	0.007	0.523	0.000	0.026	0.000	0.531	1.050	4.8.2
L18	75.75 - 70.75 (18)	0.008	0.544	0.000	0.029	0.000	0.554	1.050	4.8.2
L19	70.75 - 69.98 (19)	0.009	0.559	0.000	0.030	0.000	0.568	1.050	4.8.2
L20	69.98 - 69.73 (20)	0.009	0.560	0.000	0.030	0.000	0.569	1.050	4.8.2
L21	69.73 - 64.73 (21)	0.009	0.581	0.000	0.030	0.000	0.591	1.050	4.8.2
L22	64.73 - 63 (22)	0.009	0.592	0.000	0.030	0.000	0.602	1.050	4.8.2
L23	63 - 62.75 (23)	0.007	0.447	0.000	0.022	0.000	0.455	1.050	4.8.2
L24	62.75 - 59.08 (24)	0.007	0.462	0.000	0.023	0.000	0.469	1.050	4.8.2
L25	59.08 - 58.82 (25)	0.008	0.505	0.000	0.025	0.000	0.513	1.050	4.8.2
L26	58.82 - 58.67 (26)	0.008	0.505	0.000	0.025	0.000	0.514	1.050	4.8.2
L27	58.67 - 53.67 (27)	0.008	0.524	0.000	0.025	0.000	0.532	1.050	4.8.2
L28	53.67 - 48.58 (28)	0.008	0.525	0.000	0.025	0.000	0.533	1.050	4.8.2
L29	48.58 - 47.58 (29)	0.008	0.533	0.000	0.024	0.000	0.542	1.050	4.8.2
L30	47.58 - 42.58 (30)	0.009	0.548	0.000	0.025	0.000	0.558	1.050	4.8.2
L31	42.58 - 39.67 (31)	0.009	0.562	0.000	0.025	0.000	0.571	1.050	4.8.2
L32	39.67 - 39.42 (32)	0.007	0.431	0.000	0.019	0.000	0.438	1.050	4.8.2
L33	39.42 - 34.42 (33)	0.007	0.447	0.000	0.019	0.000	0.454	1.050	4.8.2
L34	34.42 - 32.5 (34)	0.007	0.448	0.000	0.019	0.000	0.455	1.050	4.8.2
L35	32.5 - 32.25 (35)	0.009	0.568	0.000	0.025	0.000	0.578	1.050	4.8.2
L36	32.25 - 31.42 (36)	0.009	0.580	0.000	0.025	0.000	0.590	1.050	4.8.2
L37	31.42 - 31.17 (37)	0.007	0.455	0.000	0.019	0.000	0.463	1.050	4.8.2
L38	31.17 - 29 (38)	0.007	0.463	0.000	0.020	0.000	0.471	1.050	4.8.2
L39	29 - 28.65 (39)	0.008	0.520	0.000	0.022	0.000	0.529	1.050	4.8.2
L40	28.65 - 28.42 (40)	0.008	0.520	0.000	0.022	0.000	0.529	1.050	4.8.2
L41	28.42 - 23.5 (41)	0.009	0.532	0.000	0.022	0.000	0.541	1.050	4.8.2
L42	23.5 - 23.25 (42)	0.007	0.452	0.000	0.019	0.000	0.459	1.050	4.8.2
L43	23.25 - 23 (43)	0.007	0.452	0.000	0.019	0.000	0.460	1.050	4.8.2
L44	23 - 22.75 (44)	0.009	0.542	0.000	0.023	0.000	0.551	1.050	4.8.2
L45	22.75 - 17.75 (45)	0.009	0.553	0.000	0.023	0.000	0.563	1.050	4.8.2
L46	17.75 - 12.75 (46)	0.010	0.565	0.000	0.023	0.000	0.575	1.050	4.8.2
L47	12.75 - 7.75 (47)	0.010	0.577	0.000	0.023	0.000	0.587	1.050	4.8.2
L48	7.75 - 2.75 (48)	0.011	0.588	0.000	0.023	0.000	0.599	1.050	4.8.2
L49	2.75 - 0 (49)	0.011	0.588	0.000	0.023	0.000	0.599	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	140 - 135	Pole	TP14.296x13.161x0.1875	1	-2.8370	515.7421	14.1	Pass	
L2	135 - 130	Pole	TP15.4309x14.296x0.1875	2	-3.0828	557.2318	24.8	Pass	
L3	130 - 125	Pole	TP16.5659x15.4309x0.1875	3	-6.9749	598.7205	43.5	Pass	
L4	125 - 120	Pole	TP17.7008x16.5659x0.1875	4	-7.4000	640.2091	59.1	Pass	
L5	120 - 115	Pole	TP18.8358x17.7008x0.1875	5	-11.3029	681.6978	79.5	Pass	
L6	115 - 114.75	Pole	TP18.8925x18.8358x0.4625	6	-11.3602	1661.8454	33.5	Pass	
L7	114.75 - 109.75	Pole	TP20.0275x18.8925x0.45	7	-12.1187	1717.6004	40.5	Pass	
L8	109.75 - 104.75	Pole	TP21.1624x20.0275x0.425	8	-12.7710	1718.2934	48.0	Pass	
L9	104.75 - 101.58	Pole	TP21.882x21.1624x0.4188	9	-13.2764	1752.2714	51.6	Pass	
L10	101.58 - 101.33	Pole	TP21.9388x21.882x0.3125	10	-13.3251	1317.6029	68.5	Pass	
L11	101.33 - 96.33	Pole	TP23.0738x21.9388x0.3125	11	-14.1018	1386.7454	73.7	Pass	
L12	96.33 - 91.33	Pole	TP24.2088x23.0738x0.3125	12	-14.9291	1455.8984	77.9	Pass	
L13	91.33 - 91	Pole	TP24.2837x24.2088x0.3125	13	-14.9985	1460.4659	78.1	Pass	
L14	91 - 90.75	Pole	TP24.3404x24.2837x0.6	14	-15.0585	2777.1029	42.2	Pass	
L15	90.75 - 85.75	Pole	TP25.4754x24.3404x0.5875	15	-16.1802	2850.6764	44.8	Pass	
L16	85.75 - 80.75	Pole	TP26.6104x25.4754x0.5625	16	-17.3439	2856.5879	48.2	Pass	
L17	80.75 - 75.75	Pole	TP27.7454x26.6104x0.55	17	-18.5392	2916.1544	50.6	Pass	
L18	75.75 - 70.75	Pole	TP28.8804x27.7454x0.5438	18	-23.8542	3003.9974	52.7	Pass	
L19	70.75 - 69.98	Pole	TP29.0552x28.8804x0.5313	19	-24.0579	2954.3429	54.1	Pass	
L20	69.98 - 69.73	Pole	TP29.112x29.0552x0.5313	20	-24.1309	2960.2229	54.2	Pass	
L21	69.73 - 64.73	Pole	TP30.247x29.112x0.525	21	-25.4388	3042.2069	56.3	Pass	
L22	64.73 - 63	Pole	TP30.6397x30.247x0.5188	22	-25.8919	3046.3439	57.3	Pass	
L23	63 - 62.75	Pole	TP30.6964x30.6397x0.7	23	-25.9993	4093.7293	43.3	Pass	
L24	62.75 - 59.08	Pole	TP31.5295x30.6964x0.6875	24	-27.2239	4133.9653	44.7	Pass	
L25	59.08 - 58.82	Pole	TP31.5885x31.5295x0.625	25	-27.3191	3772.9648	48.9	Pass	
L26	58.82 - 58.67	Pole	TP31.6226x31.5885x0.625	26	-27.3690	3777.1123	48.9	Pass	
L27	58.67 - 53.67	Pole	TP32.7576x31.6226x0.6125	27	-28.9833	3838.6003	50.7	Pass	
L28	53.67 - 48.58	Pole	TP33.913x32.7576x0.6125	28	-29.2090	3856.7548	50.8	Pass	
L29	48.58 - 47.58	Pole	TP33.5151x32.2847x0.6375	29	-32.1378	4086.3268	51.6	Pass	
L30	47.58 - 42.58	Pole	TP34.6503x33.5151x0.625	30	-33.7952	4146.0403	53.1	Pass	
L31	42.58 - 39.67	Pole	TP35.3109x34.6503x0.6125	31	-34.7726	4143.4993	54.4	Pass	
L32	39.67 - 39.42	Pole	TP35.3677x35.3109x0.8125	32	-34.8927	5473.7968	41.7	Pass	
L33	39.42 - 34.42	Pole	TP36.5028x35.3677x0.7875	33	-36.9247	5483.4883	43.3	Pass	
L34	34.42 - 32.5	Pole	TP36.9387x36.5028x0.7875	34	-37.7080	5550.4152	43.4	Pass	
L35	32.5 - 32.25	Pole	TP36.9954x36.9387x0.6125	35	-37.8138	4344.6583	55.0	Pass	
L36	32.25 - 31.42	Pole	TP37.1839x36.9954x0.6	36	-38.0981	4279.4953	56.2	Pass	
L37	31.42 - 31.17	Pole	TP37.2406x37.1839x0.775	37	-38.2117	5509.8222	44.1	Pass	
L38	31.17 - 29	Pole	TP37.7333x37.2406x0.7625	38	-39.1081	5496.0463	44.9	Pass	
L39	29 - 28.65	Pole	TP37.8127x37.7333x0.675	39	-39.2558	4887.3193	50.4	Pass	
L40	28.65 - 28.42	Pole	TP37.8649x37.8127x0.675	40	-39.3491	4894.1968	50.4	Pass	
L41	28.42 - 23.5	Pole	TP38.9819x37.8649x0.6625	41	-41.3037	4949.4478	51.5	Pass	
L42	23.5 - 23.25	Pole	TP39.0387x38.9819x0.7875	42	-41.4356	5872.8282	43.8	Pass	
L43	23.25 - 23	Pole	TP39.0954x39.0387x0.7875	43	-41.5542	5881.5432	43.8	Pass	
L44	23 - 22.75	Pole	TP39.1522x39.0954x0.65	44	-41.6612	4879.2238	52.5	Pass	
L45	22.75 - 17.75	Pole	TP40.2873x39.1522x0.6375	45	-43.8043	4928.0278	53.6	Pass	
L46	17.75 - 12.75	Pole	TP41.4224x40.2873x0.625	46	-45.9847	4971.2458	54.8	Pass	
L47	12.75 - 7.75	Pole	TP42.5576x41.4224x0.6125	47	-48.1922	5008.8568	55.9	Pass	
L48	7.75 - 2.75	Pole	TP43.6927x42.5576x0.6	48	-50.4270	5040.8818	57.1	Pass	
L49	2.75 - 0	Pole	TP44.317x43.6927x0.6	49	-51.6648	5113.9198	57.1	Pass	
							Summary		
							Pole (L5)	79.5	Pass
							RATING =	79.5	Pass

APPENDIX B
BASE LEVEL DRAWING



APPENDIX C
ADDITIONAL CALCULATIONS

Pole Geometry

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	140	38.42	0	18	13.161	21.882	0.1875	Auto	A572-65
2	101.58	53	4.42	18	21.88	33.913	0.3125	Auto	A572-65
3	53	53	0	18	32.28	44.317	0.3125	Auto	A572-65

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	13	14	15	16	17	18	
1	0	31.42	plate	PL 5.75" x 1"	3	x																		
2	32.5	48.67	plate	PL 5.75" x 1"	3						x													
3	58.92	70.08	plate	PL 5.75" x 1" (Lu = 16")	3																			
4	0	59.08	channel	MP3-04 (1.25in)	3																			
5	28.67	39.67	plate	CCI-SFP-060100	3																			
6	0	23.5	plate	CCI-APP-060100	3																			
7	52	63	plate	CCI-SFP-060100	3																			
8	70	91	plate	CCI-SFP-060100	3																			
9	101.58	115	plate	CCI-APP-045100	3																			
10	23	29	plate	CCI-SFP-060100	2																			
11																								

Reinforcement Details

	B (in)	H (in)	Gross Area (in ²)	Pole Face to Centroid (in)	Bottom Termination Length (in)	Top Termination Length (in)	L _u (in)	Net Area (in ²)	Bolt Hole Size (in)	Reinforcement Material
1	5.75	1	5.75	0.5	23,000	23,000	14,000	4.438	1.2500	A572-65
2	5.75	1	5.75	0.5	23,000	23,000	14,000	4.438	1.2500	A572-65
3	5.75	1	5.75	0.5	23,000	23,000	16,000	4.438	1.2500	A572-65
4	4.78	1.61	4.13	0.61	17,000	17,000	18,000	3.566	1.2500	A572-65
5	6	1	6	0.5	24,000	24,000	16,000	4.750	1.1875	A572-65
6	6	1	6	0.5	30,000	30,000	16,000	4.750	1.1875	A572-65
7	6	1	6	0.5	24,000	24,000	16,000	4.750	1.1875	A572-65
8	6	1	6	0.5	24,000	24,000	16,000	4.750	1.1875	A572-65
9	4.5	1	4.5	0.5	24,000	24,000	20,000	3.250	1.1875	A572-65
10	6	1	6	0.5	24,000	24,000	16,000	4.750	1.1875	A572-65

TNX Geometry Input

Increment (ft): 5 [Export to TNX](#)

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	140 - 135	5		18	13.161	14.296	0.1875	A572-65	1.000
2	135 - 130	5		18	14.296	15.431	0.1875	A572-65	1.000
3	130 - 125	5		18	15.431	16.566	0.1875	A572-65	1.000
4	125 - 120	5		18	16.566	17.701	0.1875	A572-65	1.000
5	120 - 115	5		18	17.701	18.836	0.1875	A572-65	1.000
6	115 - 114.75	0.25		18	18.836	18.893	0.4625	A572-65	0.910
7	114.75 - 109.75	5		18	18.893	20.027	0.45	A572-65	0.905
8	109.75 - 104.75	5		18	20.027	21.162	0.425	A572-65	0.929
9	104.75 - 101.58	3.17	0	18	21.162	21.882	0.41875	A572-65	0.926
10	101.58 - 101.33	0.25		18	21.882	21.939	0.3125	A572-65	1.000
11	101.33 - 96.33	5		18	21.939	23.074	0.3125	A572-65	1.000
12	96.33 - 91.33	5		18	23.074	24.209	0.3125	A572-65	1.000
13	91.33 - 91	0.33		18	24.209	24.284	0.3125	A572-65	1.000
14	91 - 90.75	0.25		18	24.284	24.340	0.6	A572-65	0.925
15	90.75 - 85.75	5		18	24.340	25.475	0.5875	A572-65	0.926
16	85.75 - 80.75	5		18	25.475	26.610	0.5625	A572-65	0.948
17	80.75 - 75.75	5		18	26.610	27.745	0.55	A572-65	0.952
18	75.75 - 70.75	5		18	27.745	28.880	0.54375	A572-65	0.947
19	70.75 - 69.98	0.77		18	28.880	29.055	0.53125	A572-65	0.951
20	69.98 - 69.73	0.25		18	29.055	29.112	0.53125	A572-65	0.951
21	69.73 - 64.73	5		18	29.112	30.247	0.525	A572-65	0.948
22	64.73 - 63	1.73		18	30.247	30.640	0.51875	A572-65	0.954
23	63 - 62.75	0.25		18	30.640	30.696	0.7	A572-65	0.981
24	62.75 - 59.08	3.67		18	30.696	31.530	0.6875	A572-65	0.984
25	59.08 - 58.82	0.26		18	31.530	31.589	0.625	A572-65	1.000
26	58.82 - 58.67	0.15		18	31.589	31.623	0.625	A572-65	0.999
27	58.67 - 53.67	5		18	31.623	32.758	0.6125	A572-65	1.001
28	53.67 - 53	5.09	4.42	18	32.758	33.913	0.6125	A572-65	0.999
29	53 - 47.58	5.42		18	32.285	33.515	0.6375	A572-65	0.941
30	47.58 - 42.58	5		18	33.515	34.650	0.625	A572-65	0.944
31	42.58 - 39.67	2.91		18	34.650	35.311	0.6125	A572-65	0.954
32	39.67 - 39.42	0.25		18	35.311	35.368	0.8125	A572-65	0.925
33	39.42 - 34.42	5		18	35.368	36.503	0.7875	A572-65	0.936
34	34.42 - 32.5	1.92		18	36.503	36.939	0.7875	A572-65	0.929
35	32.5 - 32.25	0.25		18	36.939	36.995	0.6125	A572-65	0.944
36	32.25 - 31.42	0.83		18	36.995	37.184	0.6	A572-65	0.961
37	31.42 - 31.17	0.25		18	37.184	37.241	0.775	A572-65	0.939
38	31.17 - 29	2.17		18	37.241	37.733	0.7625	A572-65	0.947
39	29 - 28.65	0.35		18	37.733	37.813	0.675	A572-65	0.991
40	28.65 - 28.42	0.23		18	37.813	37.865	0.675	A572-65	0.990
41	28.42 - 23.5	4.92		18	37.865	38.982	0.6625	A572-65	0.993
42	23.5 - 23.25	0.25		18	38.982	39.039	0.7875	A572-65	1.026
43	23.25 - 23	0.25		18	39.039	39.095	0.7875	A572-65	1.025
44	23 - 22.75	0.25		18	39.095	39.152	0.65	A572-65	1.085
45	22.75 - 17.75	5		18	39.152	40.287	0.6375	A572-65	1.088
46	17.75 - 12.75	5		18	40.287	41.422	0.625	A572-65	1.092
47	12.75 - 7.75	5		18	41.422	42.558	0.6125	A572-65	1.098
48	7.75 - 2.75	5		18	42.558	43.693	0.6	A572-65	1.105
49	2.75 - 0	2.75		18	43.693	44.317	0.6	A572-65	1.096

TNX Section Forces

Increment (ft):		TNX Output			
	5	Section Height (ft)	P _u (K)	M _{ux} (kip-ft)	V _u (K)
1	140 - 135		2.84	25.43	5.45
2	135 - 130		3.08	53.19	5.66
3	130 - 125		6.97	106.90	12.10
4	125 - 120		7.40	167.84	12.29
5	120 - 115		11.30	252.69	17.07
6	115 - 114.75		11.36	256.95	17.08
7	114.75 - 109.75		12.12	343.35	17.52
8	109.75 - 104.75		12.77	433.34	18.52
9	104.75 - 101.58		13.28	492.58	18.96
10	101.58 - 101.33		13.33	497.33	18.99
11	101.33 - 96.33		14.10	593.59	19.52
12	96.33 - 91.33		14.93	692.49	20.05
13	91.33 - 91		15.00	699.11	20.08
14	91 - 90.75		15.06	704.13	20.10
15	90.75 - 85.75		16.18	806.25	20.74
16	85.75 - 80.75		17.34	911.52	21.37
17	80.75 - 75.75		18.54	1019.90	21.99
18	75.75 - 70.75		23.85	1139.74	25.22
19	70.75 - 69.98		24.06	1159.19	25.32
20	69.98 - 69.73		24.13	1165.53	25.35
21	69.73 - 64.73		25.44	1293.93	26.01
22	64.73 - 63		25.89	1339.12	26.25
23	63 - 62.75		26.00	1345.68	26.26
24	62.75 - 59.08		27.22	1443.06	26.80
25	59.08 - 58.82		27.32	1450.03	26.83
26	58.82 - 58.67		27.37	1454.06	26.85
27	58.67 - 53.67		28.98	1589.97	27.51
28	53.67 - 53		29.21	1608.43	27.59
29	53 - 47.58		32.14	1760.24	28.44
30	47.58 - 42.58		33.80	1904.46	29.19
31	42.58 - 39.67		34.77	1989.87	29.57
32	39.67 - 39.42		34.89	1997.25	29.59
33	39.42 - 34.42		36.92	2146.80	30.28
34	34.42 - 32.5		37.71	2205.14	30.55
35	32.5 - 32.25		37.81	2212.77	30.56
36	32.25 - 31.42		38.10	2238.15	30.65
37	31.42 - 31.17		38.21	2245.81	30.67
38	31.17 - 29		39.11	2312.63	30.97
39	29 - 28.65		39.26	2323.47	31.00
40	28.65 - 28.42		39.35	2330.59	31.02
41	28.42 - 23.5		41.30	2484.33	31.53
42	23.5 - 23.25		41.44	2492.21	31.54
43	23.25 - 23		41.55	2500.09	31.57
44	23 - 22.75		41.66	2507.98	31.60
45	22.75 - 17.75		43.80	2667.11	32.11
46	17.75 - 12.75		45.98	2828.71	32.60
47	12.75 - 7.75		48.19	2992.74	33.09
48	7.75 - 2.75		50.43	3159.20	33.57
49	2.75 - 0		51.66	3251.78	33.84

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
140 - 135	Pole	TP14.296x13.161x0.1875	Pole	13.9%	Pass
135 - 130	Pole	TP15.431x14.296x0.1875	Pole	24.5%	Pass
130 - 125	Pole	TP16.566x15.431x0.1875	Pole	42.9%	Pass
125 - 120	Pole	TP17.701x16.566x0.1875	Pole	58.5%	Pass
120 - 115	Pole	TP18.836x17.701x0.1875	Pole	78.6%	Pass
115 - 114.75	Pole + Reinf.	TP18.893x18.836x0.4625	Reinf. 9 Tension Rupture	58.3%	Pass
114.75 - 109.75	Pole + Reinf.	TP20.027x18.893x0.45	Reinf. 9 Tension Rupture	71.6%	Pass
109.75 - 104.75	Pole + Reinf.	TP21.162x20.027x0.425	Reinf. 9 Tension Rupture	83.4%	Pass
104.75 - 101.58	Pole + Reinf.	TP21.882x21.162x0.4188	Reinf. 9 Tension Rupture	90.3%	Pass
101.58 - 101.33	Pole	TP21.939x21.882x0.3125	Pole	68.1%	Pass
101.33 - 96.33	Pole	TP23.074x21.939x0.3125	Pole	73.2%	Pass
96.33 - 91.33	Pole	TP24.209x23.074x0.3125	Pole	77.4%	Pass
91.33 - 91	Pole	TP24.284x24.209x0.3125	Pole	77.7%	Pass
91 - 90.75	Pole + Reinf.	TP24.34x24.284x0.6	Reinf. 8 Tension Rupture	67.4%	Pass
90.75 - 85.75	Pole + Reinf.	TP25.475x24.34x0.5875	Reinf. 8 Tension Rupture	71.9%	Pass
85.75 - 80.75	Pole + Reinf.	TP26.61x25.475x0.5625	Reinf. 8 Tension Rupture	75.9%	Pass
80.75 - 75.75	Pole + Reinf.	TP27.745x26.61x0.55	Reinf. 8 Tension Rupture	79.5%	Pass
75.75 - 70.75	Pole + Reinf.	TP28.88x27.745x0.5438	Reinf. 8 Tension Rupture	83.4%	Pass
70.75 - 69.98	Pole + Reinf.	TP29.055x28.88x0.5313	Reinf. 3 Tension Rupture	87.7%	Pass
69.98 - 69.73	Pole + Reinf.	TP29.112x29.055x0.5313	Reinf. 3 Tension Rupture	87.9%	Pass
69.73 - 64.73	Pole + Reinf.	TP30.247x29.112x0.525	Reinf. 3 Tension Rupture	91.7%	Pass
64.73 - 63	Pole + Reinf.	TP30.64x30.247x0.5188	Reinf. 3 Tension Rupture	92.9%	Pass
63 - 62.75	Pole + Reinf.	TP30.696x30.64x0.7	Reinf. 3 Tension Rupture	71.7%	Pass
62.75 - 59.08	Pole + Reinf.	TP31.53x30.696x0.6875	Reinf. 3 Tension Rupture	74.0%	Pass
59.08 - 58.82	Pole + Reinf.	TP31.589x31.53x0.625	Reinf. 4 Tension Rupture	75.7%	Pass
58.82 - 58.67	Pole + Reinf.	TP31.623x31.589x0.625	Reinf. 4 Tension Rupture	75.7%	Pass
58.67 - 53.67	Pole + Reinf.	TP32.758x31.623x0.6125	Reinf. 4 Tension Rupture	78.4%	Pass
53.67 - 53	Pole + Reinf.	TP33.913x32.758x0.6125	Reinf. 4 Tension Rupture	78.8%	Pass
53 - 47.58	Pole + Reinf.	TP33.515x32.285x0.6375	Reinf. 2 Tension Rupture	83.6%	Pass
47.58 - 42.58	Pole + Reinf.	TP34.65x33.515x0.625	Reinf. 2 Tension Rupture	86.0%	Pass
42.58 - 39.67	Pole + Reinf.	TP35.311x34.65x0.6125	Reinf. 2 Tension Rupture	87.3%	Pass
39.67 - 39.42	Pole + Reinf.	TP35.368x35.311x0.8125	Reinf. 2 Tension Rupture	67.8%	Pass
39.42 - 34.42	Pole + Reinf.	TP36.503x35.368x0.7875	Reinf. 2 Tension Rupture	69.7%	Pass
34.42 - 32.5	Pole + Reinf.	TP36.939x36.503x0.7875	Reinf. 2 Tension Rupture	70.4%	Pass
32.5 - 32.25	Pole + Reinf.	TP36.995x36.939x0.6125	Reinf. 5 Tension Rupture	87.1%	Pass
32.25 - 31.42	Pole + Reinf.	TP37.184x36.995x0.6	Reinf. 5 Tension Rupture	87.5%	Pass
31.42 - 31.17	Pole + Reinf.	TP37.241x37.184x0.775	Reinf. 1 Tension Rupture	70.9%	Pass
31.17 - 29	Pole + Reinf.	TP37.733x37.241x0.7625	Reinf. 1 Tension Rupture	71.7%	Pass
29 - 28.65	Pole + Reinf.	TP37.813x37.733x0.675	Reinf. 1 Tension Rupture	85.3%	Pass
28.65 - 28.42	Pole + Reinf.	TP37.865x37.813x0.675	Reinf. 1 Tension Rupture	85.4%	Pass
28.42 - 23.5	Pole + Reinf.	TP38.982x37.865x0.6625	Reinf. 1 Tension Rupture	87.1%	Pass
23.5 - 23.25	Pole + Reinf.	TP39.039x38.982x0.7875	Reinf. 1 Tension Rupture	71.3%	Pass
23.25 - 23	Pole + Reinf.	TP39.095x39.039x0.7875	Reinf. 1 Tension Rupture	71.4%	Pass
23 - 22.75	Pole + Reinf.	TP39.152x39.095x0.65	Reinf. 1 Tension Rupture	86.7%	Pass
22.75 - 17.75	Pole + Reinf.	TP40.287x39.152x0.6375	Reinf. 1 Tension Rupture	88.3%	Pass
17.75 - 12.75	Pole + Reinf.	TP41.422x40.287x0.625	Reinf. 1 Tension Rupture	89.8%	Pass
12.75 - 7.75	Pole + Reinf.	TP42.558x41.422x0.6125	Reinf. 1 Tension Rupture	91.1%	Pass
7.75 - 2.75	Pole + Reinf.	TP43.693x42.558x0.6	Reinf. 1 Tension Rupture	92.4%	Pass
2.75 - 0	Pole + Reinf.	TP44.317x43.693x0.6	Reinf. 1 Tension Rupture	93.1%	Pass
				Summary	
			Pole	78.6%	Pass
			Reinforcement	93.1%	Pass
			Overall	93.1%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in ⁴)			Area (in ²)			% Capacity*										
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10
140 - 135	211	n/a	211	8.40	n/a	8.40	13.9%										
135 - 130	266	n/a	266	9.07	n/a	9.07	24.5%										
130 - 125	330	n/a	330	9.75	n/a	9.75	42.9%										
125 - 120	404	n/a	404	10.42	n/a	10.42	58.5%										
120 - 115	487	n/a	487	11.10	n/a	11.10	78.6%										
115 - 114.75	492	680	1172	11.13	13.50	24.63	33.1%									58.3%	
114.75 - 109.75	587	758	1345	11.81	13.50	25.31	41.3%										
109.75 - 104.75	694	841	1534	12.48	13.50	25.98	48.9%										83.4%
104.75 - 101.58	767	896	1663	12.91	13.50	26.41	53.5%										90.3%
101.58 - 101.33	1267	n/a	1267	21.45	n/a	21.45	68.1%										
101.33 - 96.33	1477	n/a	1477	22.58	n/a	22.58	73.2%										
96.33 - 91.33	1709	n/a	1709	23.70	n/a	23.70	77.4%										
91.33 - 91	1726	n/a	1726	23.78	n/a	23.78	77.7%										
91 - 90.75	1738	1473	3210	23.83	18.00	41.83	41.6%									67.4%	
90.75 - 85.75	1996	1605	3601	24.96	18.00	42.96	44.5%									71.9%	
85.75 - 80.75	2278	1743	4021	26.08	18.00	44.08	47.0%									75.9%	
80.75 - 75.75	2586	1887	4473	27.21	18.00	45.21	49.3%									79.5%	
75.75 - 70.75	2921	2037	4957	28.33	18.00	46.33	51.9%									83.4%	
70.75 - 69.98	2975	1972	4947	28.51	17.25	45.76	53.2%			87.7%							
69.98 - 69.73	2992	1980	4972	28.56	17.25	45.81	53.3%			87.9%							
69.73 - 64.73	3360	2130	5490	29.69	17.25	46.94	55.8%			91.7%							
64.73 - 63	3494	2183	5677	30.08	17.25	47.33	56.7%			92.9%							
63 - 62.75	3520	4069	7589	30.14	35.25	65.39	44.5%			71.7%					66.0%		
62.75 - 59.08	3817	4283	8100	30.96	35.25	66.21	46.2%			74.0%					68.1%		
59.08 - 58.82	3836	3575	7411	31.02	30.39	61.41	50.4%				75.7%				73.9%		
58.82 - 58.67	3848	3583	7431	31.05	30.39	61.44	50.5%				75.7%				74.0%		
58.67 - 53.67	4282	3833	8115	32.18	30.39	62.57	52.8%				78.4%				76.7%		
53.67 - 53	4342	3867	8209	32.33	30.39	62.72	53.1%				78.8%				77.1%		
53 - 47.58	4585	4469	9054	32.93	29.64	62.57	52.4%			83.6%							
47.58 - 42.58	5072	4764	9836	34.06	29.64	63.70	54.5%			86.0%							
42.58 - 39.67	5370	4941	10311	34.71	29.64	64.35	55.6%			87.3%							
39.67 - 39.42	5396	7960	13356	34.77	47.64	82.41	43.2%			67.8%					63.6%	66.1%	
39.42 - 34.42	5938	8460	14398	35.89	47.64	83.53	44.9%			69.7%					65.4%	68.0%	
34.42 - 32.5	6155	8656	14811	36.33	47.64	83.97	45.5%			70.4%					66.1%	68.7%	
32.5 - 32.25	6183	5544	11728	36.38	30.39	66.77	57.8%								83.8%	87.1%	
32.25 - 31.42	6279	5599	11878	36.57	30.39	66.96	58.1%								84.1%	87.5%	
31.42 - 31.17	6308	8793	15102	36.63	47.64	84.27	46.0%			70.9%					66.5%	69.2%	
31.17 - 29	6564	9019	15584	37.12	47.64	84.76	46.7%			71.7%					67.2%	69.9%	
29 - 28.65	6667	7167	13834	37.19	41.64	78.83	57.3%			85.3%					84.1%		70.4%
28.65 - 28.42	6695	7186	13881	37.25	41.64	78.89	57.3%			85.4%					84.2%		70.5%
28.42 - 23.5	7308	7603	14911	38.35	41.64	79.99	59.1%			87.1%					85.8%		72.1%
23.5 - 23.25	7299	10570	17870	38.41	59.64	98.05	48.4%			71.3%					66.8%	65.1%	66.3%
23.25 - 23	7331	10600	17931	38.47	59.64	98.11	48.5%			71.4%					66.9%	65.1%	66.4%
23 - 22.75	7349	7433	14783	38.52	47.64	86.16	58.0%			86.7%					77.3%	68.2%	
22.75 - 17.75	8012	7855	15867	39.65	47.64	87.29	59.7%			88.3%					78.8%	69.7%	
17.75 - 12.75	8714	8288	17002	40.77	47.64	88.41	61.4%			89.8%					80.1%	71.0%	
12.75 - 7.75	9456	8733	18189	41.90	47.64	89.54	63.0%			91.1%					81.4%	72.3%	
7.75 - 2.75	10238	9190	19428	43.03	47.64	90.67	64.6%			92.4%					82.6%	73.4%	
2.75 - 0	10687	9446	20132	43.65	47.64	91.29	65.4%			93.1%					83.2%	74.1%	

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

Monopole Flange Plate Connection

Elevation = 101.58 ft.

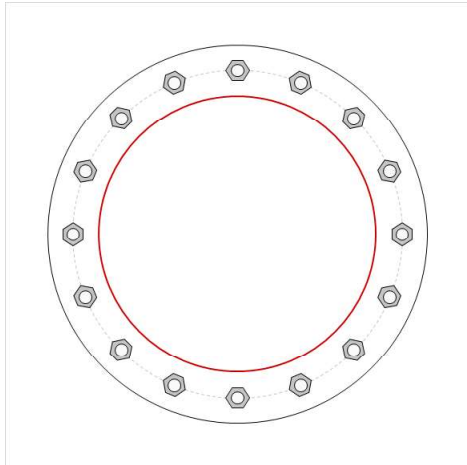


BU #	842873
Site Name	SHELTON NE
Order #	524462 Rev.1
TIA-222 Revision	H

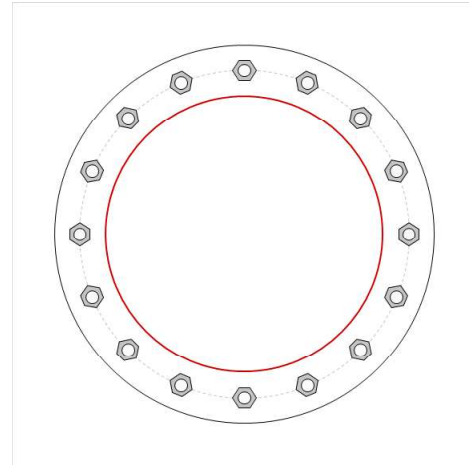
Applied Loads	
Moment (kip-ft)	492.58
Axial Force (kips)	13.28
Shear Force (kips)	18.96

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - External



Connection Properties

Bolt Data

(16) 1" \emptyset bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 26" BC

Top Plate Data

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

Top Stiffener Data

N/A

Top Pole Data

21.882" x 0.1875" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Bottom Plate Data

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

Bottom Stiffener Data

N/A

Bottom Pole Data

21.882" x 0.3125" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	55.97
Allowable (kips)	54.51
Stress Rating:	97.8% Pass

Top Plate Capacity

Max Stress (ksi):	29.46	(Flexural)
Allowable Stress (ksi):	45.00	
Stress Rating:	62.3%	Pass
Tension Side Stress Rating:	58.7%	Pass

Bottom Plate Capacity

Max Stress (ksi):	29.46	(Flexural)
Allowable Stress (ksi):	45.00	
Stress Rating:	62.3%	Pass
Tension Side Stress Rating:	58.7%	Pass

Monopole Base Plate Connection

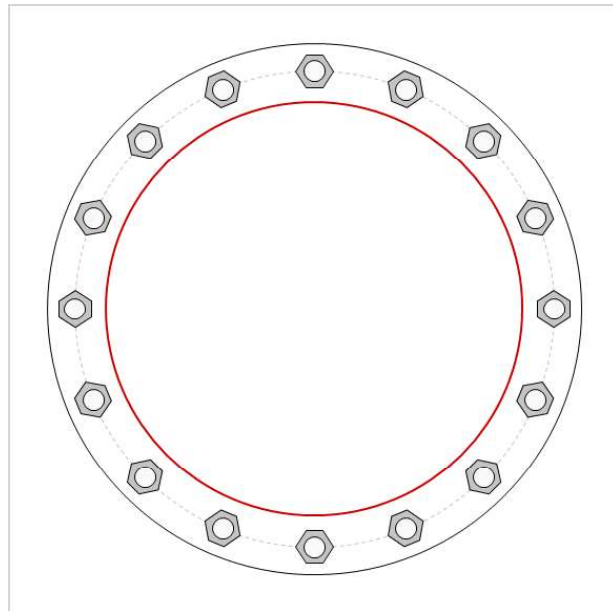


Site Info	
BU #	842873
Site Name	SHELTON NE
Order #	524462 Rev.1

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	0

Applied Loads	
Moment (kip-ft)	3251.78
Axial Force (kips)	51.66
Shear Force (kips)	33.84

*TIA-222-H Section 15.5 Applied



Connection Properties	Analysis Results
-----------------------	------------------

Anchor Rod Data
GROUP 1: (8) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 51" BC
GROUP 2: (4) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 51" BC
GROUP 3: (4) 2-1/4" ϕ bolts (F1554-105 N; $F_y=105$ ksi, $F_u=125$ ksi) on 51" BC
Base Plate Data
57" OD x 2.25" Plate (A633 Grade E; $F_y=60$ ksi, $F_u=70$ ksi)
Stiffener Data
N/A
Pole Data
44.317" x 0.3125" 18-sided pole (A572-65; $F_y=65$ ksi, $F_u=80$ ksi)

Anchor Rod Summary			<i>(units of kips, kip-in)</i>
GROUP 1:			
$P_u_c = 197.59$	$\phi P_n_c = 268.39$	Stress Rating	
$V_u = 4.23$	$\phi V_n = 120.77$	70.2%	
$M_u = n/a$	$\phi M_n = n/a$	Pass	
GROUP 2:			
$P_u_c = 190.95$	$\phi P_n_c = 268.39$	Stress Rating	
$V_u = 0$	$\phi V_n = 120.77$	67.8%	
$M_u = n/a$	$\phi M_n = n/a$	Pass	
GROUP 3:			
$P_u_c = 190.95$	$\phi P_n_c = 375.74$	Stress Rating	
$V_u = 0$	$\phi V_n = 169.08$	48.4%	
$M_u = n/a$	$\phi M_n = n/a$	Pass	
Base Plate Summary			
Max Stress (ksi):	36.15		(Flexural)
Allowable Stress (ksi):	54		
Stress Rating:	63.8%		Pass

Drilled Pier Foundation

BU # : 842873
 Site Name: SHELTON NE
 Order Number: 524462 Rev.1

TIA-222 Revision: H
 Tower Type: Monopole

Applied Loads		Comp.	Uplift
Moment (kip-ft)		3252	
Axial Force (kips)		52	
Shear Force (kips)		34	

Material Properties	
Concrete Strength, f _c :	4 ksi
Rebar Strength, F _y :	60 ksi

Pier Design Data	
Depth	14 ft
Ext. Above Grade	0.5 ft

Pier Section 1	
<i>From 0.5' above grade to 14' below grade</i>	
Pier Diameter	6 ft
Rebar Quantity	26
Rebar Size	11
Clear Cover to Ties	3 in
Tie Size	5

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs



Check Limitation

Apply TIA-222-H Section 15.5:	<input checked="" type="checkbox"/>
	N/A

Analysis Results

Soil Lateral Check

	Compression	Uplift
D _{v=0} (ft. from TOC)	3.78	-
Soil Safety Factor	1.63	-
Max Moment (kip-ft)	3376.14	-
Rating*	77.6%	-

Soil Vertical Check

	Compression	Uplift
Skin Friction (kips)	318.06	-
End Bearing (kips)	254.47	-
Weight of Concrete (kips)	73.80	-
Total Capacity (kips)	572.53	-
Axial (kips)	125.80	-
Rating*	20.9%	-

Reinforced Concrete Check

	Compression	Uplift
Critical Depth (ft. from TOC)	3.81	-
Critical Moment (kip-ft)	3376.11	-
Critical Moment Capacity	5365.08	-
Rating*	59.9%	-

Soil Interaction Rating*	77.6%
Structural Foundation Rating*	59.9%

*Rating per TIA-222-H Section 15.5

Soil Profile

# of Layers	2
-------------	---

Groundwater Depth	n/a
-------------------	-----

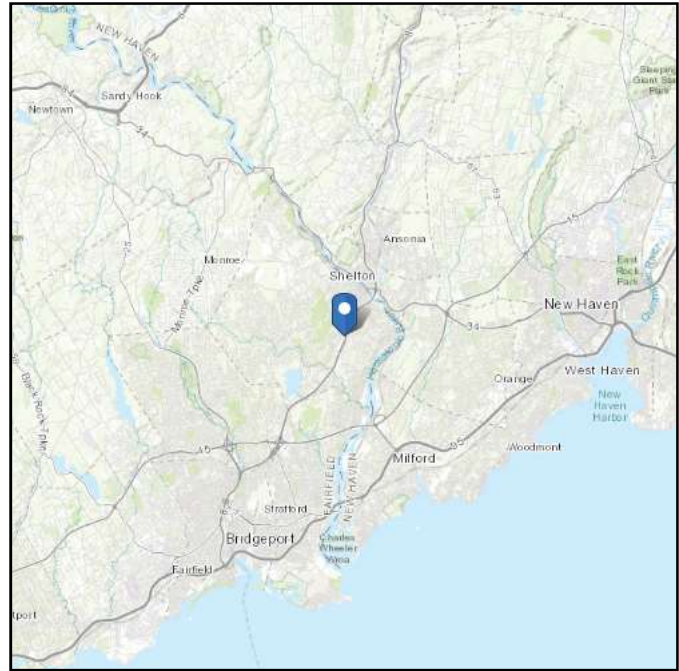
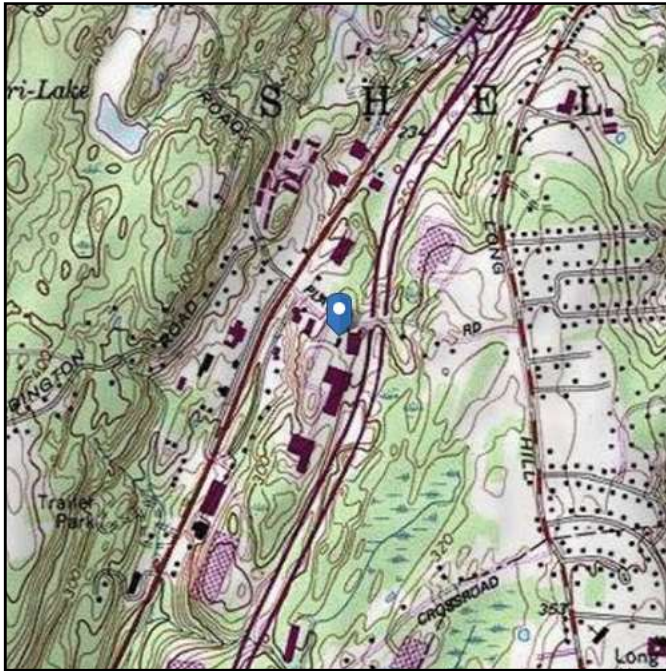
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ _{soil} (pcf)	γ _{concrete} (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3	3	165	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3	14	11	165	150	4	0	2.045	2.045			12		Cohesive

ASCE 7 Hazards Report

Address:
No Address at This
Location

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

Elevation: 311.07 ft (NAVD 88)
Latitude: 41.293947
Longitude: -73.107175



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.

Mountainous terrain, gorges, ocean promontories, and special wind regions should be examined for unusual wind conditions.

Ice

Results:

Ice Thickness: 0.75 in.

Concurrent Temperature: 15 F

Gust Speed: 50 mph

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

Date Accessed: Tue Jun 16 2020

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.



BU: 842873
 WO: 1860404
 Order: 524462

Structure: A
 Rev: 1

Location

	Decimal Degrees	Deg	Min	Sec	
Lat:	41.293947	+	41	17	38.21
Long:	-73.107175	-	73	6	25.83

Code and Site Parameters

Seismic Design Code:	ASCE 7-10	
Site Soil:	D	Stiff Soil (Default)
Risk Category:	II	
<u>USGS Seismic Reference</u>		
S _S :	0.1990	g
S ₁ :	0.0640	g
T _L :	6	s

Seismic Design Category Determination

Importance Factor, I _e :	1
Acceleration-based site coefficient, F _a :	1.6000
Velocity-based site coefficient, F _v :	2.4000
Design spectral response acceleration short period, S _{DS} :	0.2123 g
Design spectral response acceleration 1 s period, S _{D1} :	0.1024 g
Seismic Design Category Based on S _{DS} :	B
Seismic Design Category Based on S _{D1} :	B
Seismic Design Category Based on S ₁ :	N/A
Controlling Seismic Design Category:	B

Exhibit E

Mount Analysis



Date: **June 11, 2020**

Darcy Tarr
Crown Castle
3530 Toringdon Way, Suite 300
Charlotte, NC 28277
704-405-6589

POD Group
1033 E Turkeyfoot Lake Rd. Suite 206
Akron, OH 44312
(330) 961.7432
mhoudehell@podgrp.com

Subject: Mount Analysis Report

Carrier Designation: T-Mobile
Carrier Site Number: CFFF531A
Carrier Site Name: SHELTON_RT8 – AT&T

Crown Castle Designation: Crown Castle BU Number: 842873
Crown Castle Site Name: SHELTON NE
Crown Castle JDE Job Number: 614603
Crown Castle Order Number: 524462 Rev. 0

Engineering Firm Designation: POD Report Designation: 20-65093

Site Data: 30 Oliver Terrace, Shelton, Fairfield County, CT 06484
Latitude 41° 17' 38.21" Longitude -73° 6' 25.83"

Structure Information: Tower Height & Type: 140 ft Monopole
Mount Elevation: 120 ft
Mount Type: 12.5 ft T-Arm

Dear Darcy Tarr,

POD Group is pleased to submit this "Mount Analysis Report" to determine the structural integrity of T-Mobile's antenna mounting system with the proposed appurtenance and equipment addition on the abovementioned supporting tower structure. Analysis of the existing supporting tower structure is to be completed by others and therefore is not part of this analysis. Analysis of the antenna mounting system as a tie-off point for fall protection or rigging is not part of this document.

The purpose of the analysis is to determine acceptability of the mount stress level. Based on our analysis we have determined the mount stress level to be:

12.5 ft T-Arm

Sufficient *

***The mount has sufficient capacity once the loading changes, as described in Section 4.1 Recommendations of this report, are completed.**

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.

Mount structural analysis prepared by: Dario Pelemis

Respectfully submitted by:



Jason Cheronis, P.E.
Connecticut PE #: PEN.0032793

TABLE OF CONTENTS

- 1) **INTRODUCTION**
- 2) **ANALYSIS CRITERIA**
 - Table 1 – Final Equipment Configuration
- 3) **ANALYSIS PROCEDURE**
 - Table 2 – Documents Provided
 - 3.1) Analysis Method
 - 3.2) Assumptions
- 4) **ANALYSIS RESULTS**
 - Table 3 - Mount Component Stresses vs. Capacity
 - 4.1) Recommendations
- 5) **DISCLAIMER OF WARRANTIES**
- 6) **APPENDIX A**
 - Wire Frame and Rendered Models
- 7) **APPENDIX B**
 - Software Input Calculations
- 8) **APPENDIX C**
 - Software Analysis Output
- 9) **APPENDIX D**
 - Additional Calculations
- 10) **APPENDIX E**
 - Specification Sheet

1) INTRODUCTION

This mount is a existing 12.5 ft T-arm. This mount is installed at the 120 ft elevation on 140 ft Monopole.

The mount has been modified per reinforcement drawings prepared by Tectonic, in July of 2018. Reinforcement consists of installation of tieback from mount pipe to adjacent mount.

2) ANALYSIS CRITERIA

Building Code:	2018 Connecticut Building Code
TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	125 mph
Exposure Category:	B
Topographic Factor at Base:	1.000
Topographic Factor at Mount:	1.000
Ice Thickness:	1 in
Wind Speed with Ice:	50 mph
Seismic S_s:	0.180
Seismic S₁:	0.064
Live Loading Wind Speed:	30 mph
Man Live Load at Mid/End-Points:	250 lb
Man Live Load at Mount Pipes:	500 lb

Table 1 - Final Equipment Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount / Modification Details	Note
120	120	3	Ericsson	AIR 32 B2A B66AA	12.5 T-Arm	1
		3	Ericsson	AIR6449 B41		
		3	RFS/CELWAVE	APX16DWV-16DWVS-E-A20		
		3	RFS/CELWAVE	APXVAARR24_43-U-NA20		
		3	Ericsson	KRY 112 144/1		
		3	Ericsson	KRY 112 489/2		
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	Ericsson	RRUS 4415 B25		

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Application	-	Crown Castle Order ID: 524462 Rev.0 Dated: 06/09/2020	Crown Castle
Elevation Drawings	-	Crown Castle Sheet #: A1-120 Dated: 06/10/2020	Crown Castle
Previous Mount Analysis	-	Tectonic Project #: 9500.842873 Dated: 07/23/2018	Crown Castle
Structural Analysis	-	Crown Castle Project #: 1839222 Dated: 04/09/2020	Crown Castle
RFDS	-	T-Mobile Site ID: CTFF531A Dated: 05/11/2020	Crown Castle
Stabilizer Specification Sheet	-	Commscope Part #: VSR-MS-B Dated: 05/15/2012	POD Group

3.1) Analysis Method

RISA-3D (Version 17.0.4), a commercially available analysis software package, was used to create a three-dimensional model of the antenna mounting system and calculate member stresses for various loading cases. Selected output from the analysis are included in the Appendices.

A tool internally developed, using Microsoft Excel, by POD Group, was used to calculate wind loading on all appurtenances, dishes, and mount members for various load cases. Selected output from the calculations is included in Appendix B.

This analysis was performed in accordance with Crown Castle's ENG-SOW-10208 Tower Mount Analysis (Revision B). In addition, this analysis is in accordance with AT&T's mount technical directive.

3.2) Assumptions

- 1) The antenna mounting system was properly fabricated, installed, and maintained in good condition in accordance with its original design, TIA Standards, and/or manufacturer's specifications.
- 2) The configuration of antennas, mounts, and other appurtenances are as specified in Table 1 and the referenced drawings.
- 3) All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
- 4) The weight of the mount was increased 10% in the analysis to account for connections, coax, and jumpers.
- 5) The analysis will be required to be revised if the existing conditions in the field differ from those shown in the above-referenced documents or assumed in this analysis. No allowance was made for any damaged, missing, or rusted members.
- 6) Prior structural modifications to the tower mounting system are assumed to be installed as shown per available data.
- 7) Steel grades have been assumed as follows, unless noted otherwise:
 - a. Channel ASTM A36 (GR 36)
 - b. HSS (Rectangular) ASTM 500 (GR B-46)
 - c. Pipe ASTM A53 (GR 35)
 - d. Connection Bolts ASTM A325

If any of these assumptions are not valid or have been made in error, this analysis may be affected, and POD Group should be allowed to review any new information to determine its effect on the structural integrity of the mount.

4) ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity (12.5 T-Arm)

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
	Vertical	VERT3	120	1.0	Pass
	Tieback	TB3	120	3.8	Pass
	Standoff	SO2	120	22.8	Pass
	Support Rail	RAIL1	120	21.6	Pass
	Mount Pipe	MP ALPHA2	120	47.2	Pass
	Kicker	KICKER1a	120	38.7	Pass
	Channel	BACKCHANNEL3	120	59.7	Pass
1	Flange Plate	-	-	17.9	Pass
	Flange Bolts	-	-	2.6	Pass

Structure Rating (max from all components) =	59.7%
---	--------------

Notes:

- 1) See additional documentation in "Appendix D – Additional Calculations" for calculations supporting the % capacity

4.1) Recommendations

The mount has sufficient capacity to carry the proposed loading configuration. In order for the results of the analysis to be considered valid, the loading modification listed below must be completed.

1. Installation of a Commscope stabilizer kit (Part #: VSR-MS-B) with a P2.5 rail member. Stabilizer kit shall be installed 2 ft above the existing mount. Commscope crossover kit (Part # XP-2025) shall be used to attach mount pipes to proposed face member.
2. An additional mount pipe must be installed in order to accommodate the extra antenna loading. Commscope crossover kit (Part #XP-2030) shall be used to connect mount pipe to existing face member
 - o All critical measurements and manufacturer specifications for the above specified modification part shall be field verified prior to material ordering.
 - o The contractor shall provide shop drawings to POD Group prior to material ordering and/or fabrication of the above specified modification part.
 - o Any substitutes, additions, or alterations shall be approved by POD Group prior to material ordering and/or fabrication.

If any of these guidelines are not met, POD Group shall not be held liable.

5) DISCLAIMER OF WARRANTIES

POD Group has not performed a site visit to the structure to verify the member sizes or antenna/coax loading unless noted otherwise. If the existing conditions are not as represented in this report, we should be contacted immediately to evaluate the significance of the discrepancy. This is not a condition assessment of the structure or foundation. This report does not replace a full structure inspection. The structure, foundations, and mounting systems are assumed to have been properly fabricated, erected, maintained, in good condition, twist free, and plumb.

The engineering services rendered by POD Group in connection with this Structural Analysis are limited to a computer analysis of the structure and theoretical capacity of its main structural members. No allowance was made for any damaged, bent, missing, loose, or rusted members (above and below ground). No allowance was made for loose bolts or cracked welds.

POD Group does not analyze the fabrication of the structure (including welding). It is not possible to have all the very detailed information needed to perform a thorough analysis of every structural sub-component and connection of an existing structure. POD Group provides a limited scope of service in that we cannot verify the adequacy of every weld, plate connection detail, etc. The purpose of this report is to assess the feasibility of adding appurtenances usually accompanied by transmission lines to the structure.

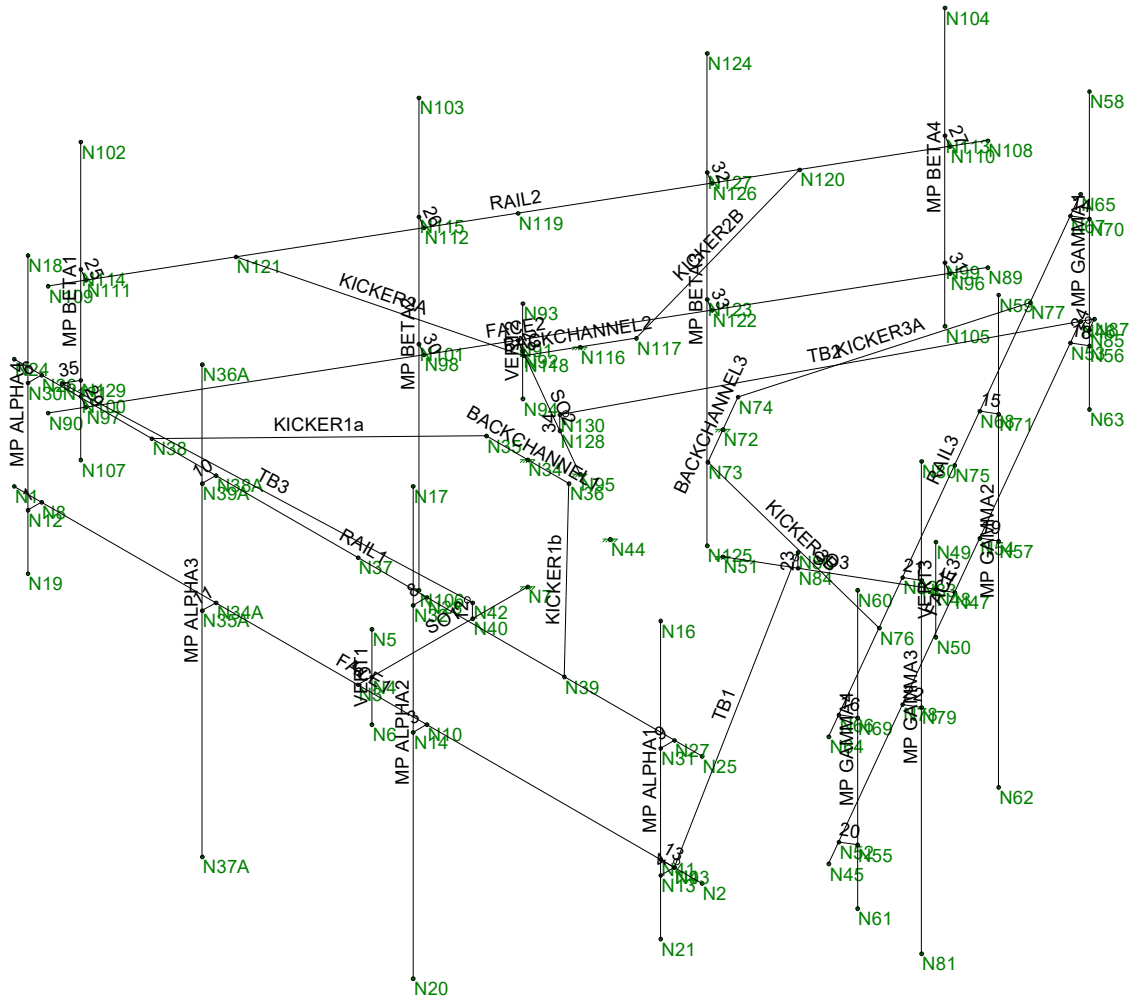
It is the owner's responsibility to determine the amount of ice accumulation in excess of the code specified amount, if any, that should be considered in the structural analysis.

The attached sketches are a schematic representation of the analyzed structure. If any material is fabricated from these sketches, the contractor shall be responsible for field verifying the existing conditions, proper fit, and clearance in the field. Any mentions of structural modifications are reasonable estimates and should not be used as a precise construction document. Precise modification drawings are obtainable from POD Group, but are beyond the scope of this report.

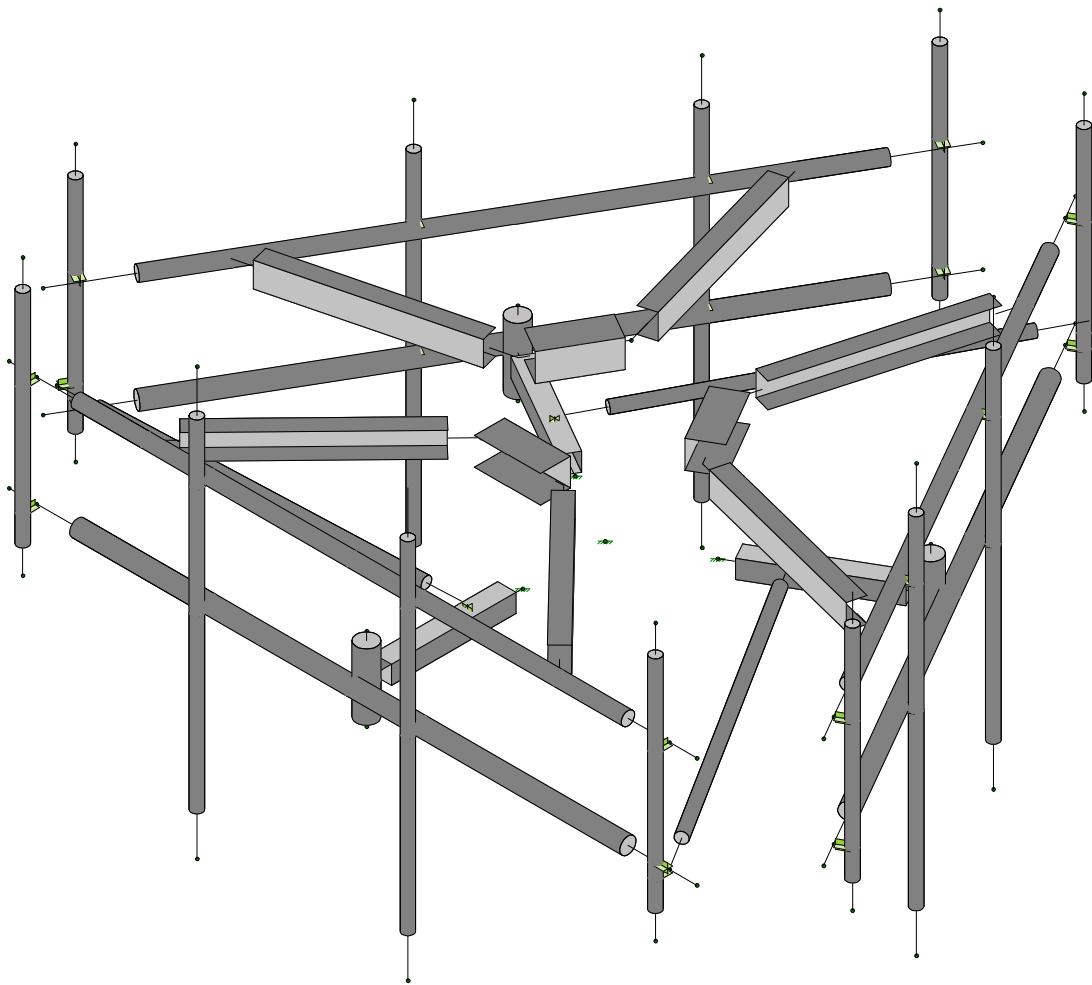
POD Group makes no warranties, expressed and/or implied, in connection with this report and disclaims any liability arising from material, fabrication, and erection of this structure. POD Group will not be responsible whatsoever, for or on account of, consequential or incidental damages sustained by any person, firm, or organization as a result of any data or conclusions contained in this report. The maximum liability of POD Group pursuant to this report will be limited to the total fee received for preparation of this report.

APPENDIX A

Wire Frame and Rendered Models



POD Group	842873	SK - 1
DP		June 11, 2020 at 2:32 PM
20-65093		842873.r3d



POD Group

DP

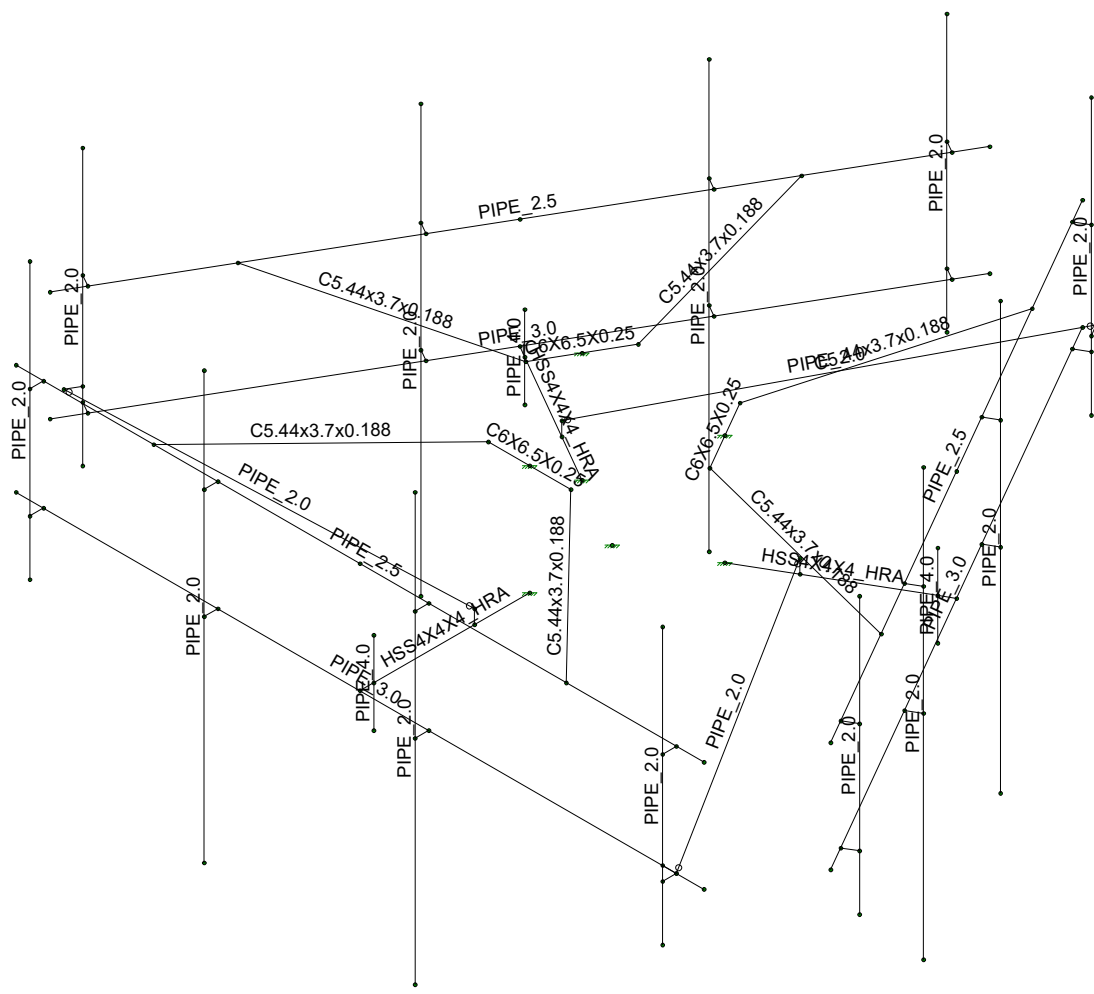
20-65093

842873

SK - 3

June 11, 2020 at 2:33 PM

842873.r3d



POD Group
DP
20-65093

842873

SK - 2
June 11, 2020 at 2:32 PM
842873.r3d

APPENDIX B
Software Input Calculations



POD Job # 20-65093
 Site Number 842873
 Site Name SHELTON_RT8 - AT&T

General Site Information

Mount Type	SFP	Risk Category	II	I (seismic)	1
V (Wind Speed)	125	Ij(ice)	1	Sms	0.317
Zs	313			Sm1	0.154
ti	1	Sc	0.188	Sds	0.211
Vi	50	S1	0.064	Sd1	0.102
Kzt	1	Soil Site Class	D (assumed)	Seismic Design Category	
Exposure	B	Fa	1.600		
zg	1200	Fv	2.400	Seismic Analysis Not Required	
ie	7			R	2 TIA-222-H 16.7
Kmin	0.7	Tower Type	Monopole	As	1 TIA-222-H 16.7
G _r	1	Tower Height	140	Cs, Min	0.03 TIA-222-H 2.7.7.1.1
Ke	0.99			Cs	0.1056 TIA-222-H 2.7.7.1.1
K _o	0.95				
K _z	0.9				

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity	MP #
AIR 32 B2A B66AA	No		120	2.5	30		A/B/C	1	1
AIR6449 B41	No		120	4	18		A/B/C	1	3
APX16DWV-16DWV5-E-A20	No		120	2.5	30		A/B/C	1	4
APXVAARR24_43-U-NA20	No		120	4	70		A/B/C	1	2
KRY 112 L44/L	No		120	4			A/B/C	1	2
KRY 112 489/2	No		120	4			A/B/C	1	2
RADIO 4449 871 BBSA_T-MINo	No		120	2.5			A/B/C	1	4
RRUS 4415 B25	No		120	2.5			A/B/C	1	4

Mount Information

Elevation (ft)	120	Grating Thickness (in)	0
K _r	1.04	Grating Ice Weight (k/ft ²)	0.011
K _{iz}	1.14		
ti _z	1.14		

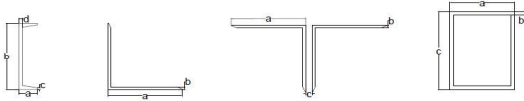
Mount Pipes	Length (ft)	Width (in)	Centerline
	8	2.375	120

Round Members

Member	Length (ft)	Width (in)	Frame Member	# of Members
Vertical	1.5	4.5	No	3
Face On	12.5	3.5	Yes	2
Face Off	12.5	3.5	No	1
Rail On	12.5	2.8	Yes	2
Rail Off	12.5	2.8	No	1
Tieback	7.191	2.375	No	3

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member	# of Members	
Standoff	3	4	Square HSS		4	0.25	4	No	3	
Kickers On	4.3	5.44	Channel		3.7	5.4	0.188	0.188	Yes	4
Kickers Off	4.3	5.44	Channel		3.7	5.4	0.188	0.188	No	2
Back Channell	1.5	6	Channel		6.5	6	0.25	0.25	No	3



Appurtenance Wind Calculations

Model	Height	Width	Depth	Weight (lbs)	Kz	qz (lb/ft ²)	EPA _w (ft ²)	EPA _s (ft ²)	Front	Side	Wind Force (Kips)		
											Alpha	Beta	Gamma
AR 32 B2A B66AA	59.3	12.9	8.7	143.0	1.04	39.12	6.16	4.47	0.241	0.175	0.225	0.225	0.175
AR6449 B41	33.1	20.6	8.6	104.0	1.04	39.12	5.11	2.24	0.200	0.088	0.172	0.172	0.088
APX16DWV-16DWV5-E-A20	59.9	13.0	3.2	40.7	1.04	39.12	6.26	1.50	0.245	0.059	0.198	0.198	0.059
APXVAARR24_43-U-NA20	59.9	24.0	8.7	96.8	1.04	39.12	14.67	5.32	0.574	0.208	0.482	0.482	0.208
KRY 112 144/1	7.0	6.0	3.0	11.0	1.04	39.12	0.32	0.16	0.012	0.006	0.011	0.011	0.006
KRY 112 489/2	11.0	6.1	3.9	15.4	1.04	39.12	0.50	0.33	0.020	0.013	0.018	0.018	0.013
RADIO 4449 B71 B85A_T-M	17.9	13.2	10.6	73.2	1.04	39.12	1.77	1.43	0.069	0.056	0.066	0.066	0.056
RRUS 4415 B25	15.0	13.2	5.4	44.0	1.04	39.12	0.85	0.59	0.033	0.023	0.031	0.031	0.023

Appurtenance Ice Calculations

Model	tiz (in)	Height	Width	Depth	Weight (lbs)	Kiz	qz (lb/ft ²)	EPA _w (ft ²)	EPA _s (ft ²)	Front	Side	Wind Force (Kips)		
												Alpha	Beta	Gamma
AR 32 B2A B66AA	1.14	61.53	15.15	10.94	116.23	1.14	6.26	4.28	3.24	0.027	0.020	0.025	0.025	0.020
AR6449 B41	1.14	35.38	22.88	10.88	95.18	1.14	6.26	3.54	1.73	0.022	0.011	0.019	0.019	0.011
APX16DWV-16DWV5-E-A20	1.14	62.18	15.28	5.43	87.51	1.14	6.26	6.87	2.41	0.043	0.015	0.036	0.036	0.015
APXVAARR24_43-U-NA20	1.14	98.18	26.28	10.98	268.63	1.14	6.26	14.79	6.18	0.093	0.039	0.079	0.079	0.039
KRY 112 144/1	1.14	9.28	8.28	5.28	9.04	1.14	6.26	0.34	0.22	0.002	0.001	0.002	0.002	0.001
KRY 112 489/2	1.14	13.28	8.38	6.22	13.83	1.14	6.26	0.49	0.36	0.003	0.002	0.003	0.003	0.002
RADIO 4449 B71 B85A_T-M	1.14	20.19	15.48	12.91	49.21	1.14	6.26	1.37	1.14	0.009	0.007	0.008	0.008	0.007
RRUS 4415 B25	1.14	17.24	15.47	7.67	31.75	1.14	6.26	1.54	1.26	0.010	0.008	0.009	0.009	0.008

Round Members

Member	q _i (lb/ft ²)	Ar	C	Wind Calculations				Ice Calculations							
				Rr	EPA (ft ²)	Load (k/ft)	Width (in)	Weight (k/ft)	q _i (lb/ft ²)	Arice	Rrice	Cf	EPA (ft ²)	Load (k/ft)	
Vertical	39.12	1.69	46.62	0.79	1.20	0.48	0.006	6.78	0.01	6.26	2.54	1.00	1.20	0.91	0.002
Face On	39.12	7.29	36.26	0.79	1.20	3.11	0.010	5.78	0.01	6.26	12.03	1.00	1.20	6.50	0.003
Face Off	39.12	3.65	36.26	0.79	1.20	3.11	0.005	5.78	0.01	6.26	6.02	1.00	1.20	6.50	0.002
Rail On	39.12	5.83	29.01	0.79	1.20	2.49	0.008	5.08	0.01	6.26	10.57	1.00	1.20	5.71	0.003
Rail Off	39.12	2.92	29.01	0.79	1.20	2.49	0.004	5.08	0.01	6.26	5.29	1.00	1.20	5.71	0.001
Tieback	39.12	4.27	24.60	0.79	1.20	1.21	0.003	4.65	0.00	6.26	8.36	1.00	1.20	3.01	0.001

Flat Members

Member	q _i (lb/ft ²)	Af	Cf	Wind Calculations			Ice Calculations						
				EPA	Load (k/ft)	Width (in)	Weight (k/ft)	q _i (lb/ft ²)	Arice	Rrice	Cf	EPA	Load (k/ft)
Standoff	39.12	3.00	1.25	1.13	0.007	6.28	0.01	6.26	4.71	1.00	1.25	1.77	0.002
Kickers On	39.12	7.80	1.78	3.12	0.028	7.72	0.01	6.26	11.06	1.00	1.78	4.42	0.006
Kickers Off	39.12	3.90	2.00	3.51	0.016	7.72	0.01	6.26	5.53	1.00	2.00	4.98	0.004
Back Channell	39.12	2.25	2.00	1.35	0.018	8.28	0.02	6.26	3.10	1.00	2.00	1.86	0.004

Appurtenance Seismic Calculations

Model	Weight	Sds	p	Cs	As	Ev	Eh
AR 32 B2A B66AA	143.0	0.211	1.000	0.106	1.000	0.006	0.015
AR6449 B41	104.0	0.211	1.000	0.106	1.000	0.004	0.011
APX16DWV-16DWV5-E-A20	40.7	0.211	1.000	0.106	1.000	0.002	0.004
APXVAARR24_43-U-NA20	96.8	0.211	1.000	0.106	1.000	0.004	0.010
KRY 112 144/1	11.0	0.211	1.000	0.106	1.000	0.000	0.001
KRY 112 489/2	15.4	0.211	1.000	0.106	1.000	0.001	0.002
RADIO 4449 B71 B85A_T-M	73.2	0.211	1.000	0.106	1.000	0.003	0.008
RRUS 4415 B25	44.0	0.211	1.000	0.106	1.000	0.002	0.005

Version 3.2

APPENDIX C
Software Analysis Output

Hot Rolled Steel Design Parameters

	Label	Shape	Length[...]	Lbyy[ft]	Lbzz[ft]	Lcomp top...	Lcomp bot...	L-torq...	Kyy	Kzz	Cb	Functi...
1	VERT3	PIPE 4.0	1.5			Lbyy						Lateral
2	VERT2	PIPE 4.0	1.5			Lbyy						Lateral
3	VERT1	PIPE 4.0	1.5			Lbyy						Lateral
4	TB3	PIPE 2.0	7.191			Lbyy						Lateral
5	TB2	PIPE 2.0	7.191			Lbyy						Lateral
6	TB1	PIPE 2.0	7.191			Lbyy						Lateral
7	SO3	HSS4X4X4 HRA	2.833			Lbyy						Lateral
8	SO2	HSS4X4X4 HRA	2.833			Lbyy						Lateral
9	SO1	HSS4X4X4 HRA	2.833			Lbyy						Lateral
10	RAIL3	PIPE 2.5	12.5			Lbyy						Lateral
11	RAIL2	PIPE 2.5	12.5			Lbyy						Lateral
12	RAIL1	PIPE 2.5	12.5			Lbyy						Lateral
13	MP GAM...	PIPE 2.0	5.01			Lbyy						Lateral
14	MP GAM...	PIPE 2.0	7.75			Lbyy						Lateral
15	MP GAM...	PIPE 2.0	7.75			Lbyy						Lateral
16	MP GAM...	PIPE 2.0	5.006			Lbyy						Lateral
17	MP BETA4	PIPE 2.0	5.01			Lbyy						Lateral
18	MP BETA3	PIPE 2.0	7.75			Lbyy						Lateral
19	MP BETA2	PIPE 2.0	7.75			Lbyy						Lateral
20	MP BETA1	PIPE 2.0	5.006			Lbyy						Lateral
21	MP ALPH...	PIPE 2.0	5.01			Lbyy						Lateral
22	MP ALPH...	PIPE 2.0	7.75			Lbyy						Lateral
23	MP ALPH...	PIPE 2.0	7.75			Lbyy						Lateral
24	MP ALPH...	PIPE 2.0	5.006			Lbyy						Lateral
25	KICKER3B	C5.44x3.7x0.188	4.302			Lbyy						Lateral
26	KICKER3A	C5.44x3.7x0.188	4.302			Lbyy						Lateral
27	KICKER2B	C5.44x3.7x0.188	4.302			Lbyy						Lateral
28	KICKER2A	C5.44x3.7x0.188	4.302			Lbyy						Lateral
29	KICKER1b	C5.44x3.7x0.188	4.302			Lbyy						Lateral
30	KICKER1a	C5.44x3.7x0.188	4.302			Lbyy						Lateral
31	FACE3	PIPE 3.0	12.5			Lbyy						Lateral
32	FACE2	PIPE 3.0	12.5			Lbyy						Lateral
33	FACE1	PIPE 3.0	12.5			Lbyy						Lateral
34	BACKCHA...	C6X6.5X0.25	1.5			Lbyy						Lateral
35	BACKCHA...	C6X6.5X0.25	1.5			Lbyy						Lateral
36	BACKCHA...	C6X6.5X0.25	1.5			Lbyy						Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	VERT3	N50	N49			PIPE 4.0	Beam	Pipe	A53 Gr.B	Typical
2	VERT2	N94	N93			PIPE 4.0	Beam	Pipe	A53 Gr.B	Typical
3	VERT1	N6	N5			PIPE 4.0	Beam	Pipe	A53 Gr.B	Typical
4	TB3	N131	N42			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
5	TB2	N87	N130			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
6	TB1	N43	N86			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
7	SO3	N48	N51			HSS4X4X4 HRA	Beam	SquareTube	A500 Gr.B ...	Typical
8	SO2	N92	N95			HSS4X4X4 HRA	Beam	SquareTube	A500 Gr.B ...	Typical
9	SO1	N4	N7			HSS4X4X4 HRA	Beam	SquareTube	A500 Gr.B ...	Typical
10	RAIL3	N64	N65			PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical
11	RAIL2	N108	N109			PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical
12	RAIL1	N24	N25			PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical
13	MP GAMMA4	N61	N60			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
14	MP GAMMA3	N81	N80			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
15	MP GAMMA2	N62	N59			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
16	MP GAMMA1	N63	N58			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
17	MP BETA4	N105	N104			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
18	MP BETA3	N125	N124			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
19	MP BETA2	N106	N103			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
20	MP BETA1	N107	N102			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
21	MP ALPHA4	N19	N18			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
22	MP ALPHA3	N37A	N36A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
23	MP ALPHA2	N20	N17			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
24	MP ALPHA1	N21	N16			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
25	KICKER3B	N76	N73		270	C5.44x3.7x0.188	Beam	Channel	A36 Gr.36	Typical
26	KICKER3A	N77	N74		90	C5.44x3.7x0.188	Beam	Channel	A36 Gr.36	Typical
27	KICKER2B	N120	N117		90	C5.44x3.7x0.188	Beam	Channel	A36 Gr.36	Typical
28	KICKER2A	N121	N118		270	C5.44x3.7x0.188	Beam	Channel	A36 Gr.36	Typical
29	KICKER1b	N39	N36		90	C5.44x3.7x0.188	Beam	Channel	A36 Gr.36	Typical
30	KICKER1a	N38	N35		90	C5.44x3.7x0.188	Beam	Channel	A36 Gr.36	Typical
31	FACE3	N45	N46			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
32	FACE2	N89	N90			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
33	FACE1	N1	N2			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
34	BACKCHAN...	N73	N74		270	C6X6.5X0.25	Beam	Channel	A36 Gr.36	Typical
35	BACKCHAN...	N117	N118		270	C6X6.5X0.25	Beam	Channel	A36 Gr.36	Typical
36	BACKCHAN...	N35	N36		90	C6X6.5X0.25	Beam	Channel	A36 Gr.36	Typical
37	35	N129	N131			RIGID	None	None	RIGID	Typical
38	34	N128	N130			RIGID	None	None	RIGID	Typical
39	33	N123	N122			RIGID	None	None	RIGID	Typical
40	32	N127	N126			RIGID	None	None	RIGID	Typical
41	31	N99	N96			RIGID	None	None	RIGID	Typical
42	30	N101	N98			RIGID	None	None	RIGID	Typical
43	29	N100	N97			RIGID	None	None	RIGID	Typical
44	28	N91	N92			RIGID	None	None	RIGID	Typical
45	27	N113	N110			RIGID	None	None	RIGID	Typical
46	26	N115	N112			RIGID	None	None	RIGID	Typical
47	25	N114	N111			RIGID	None	None	RIGID	Typical
48	24	N85	N87			RIGID	None	None	RIGID	Typical
49	23	N84	N86			RIGID	None	None	RIGID	Typical
50	22	N79	N78			RIGID	None	None	RIGID	Typical
51	21	N83	N82			RIGID	None	None	RIGID	Typical
52	20	N55	N52			RIGID	None	None	RIGID	Typical
53	19	N57	N54			RIGID	None	None	RIGID	Typical
54	18	N56	N53			RIGID	None	None	RIGID	Typical
55	17	N47	N48			RIGID	None	None	RIGID	Typical
56	16	N69	N66			RIGID	None	None	RIGID	Typical
57	15	N71	N68			RIGID	None	None	RIGID	Typical
58	14	N70	N67			RIGID	None	None	RIGID	Typical
59	13	N41	N43			RIGID	None	None	RIGID	Typical
60	12	N40	N42			RIGID	None	None	RIGID	Typical
61	11	N35A	N34A			RIGID	None	None	RIGID	Typical
62	10	N39A	N38A			RIGID	None	None	RIGID	Typical
63	9	N31	N27			RIGID	None	None	RIGID	Typical
64	8	N32	N28			RIGID	None	None	RIGID	Typical
65	6	N30	N26			RIGID	None	None	RIGID	Typical
66	5	N3	N4			RIGID	None	None	RIGID	Typical
67	4	N13	N9			RIGID	None	None	RIGID	Typical
68	3	N14	N10			RIGID	None	None	RIGID	Typical
69	1	N12	N8			RIGID	None	None	RIGID	Typical



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physi...	Defl ...	Analysi...	Inactive	Seis...
1	VERT3						Yes				None
2	VERT2						Yes				None
3	VERT1						Yes				None
4	TB3	BenPIN	BenPIN				Yes	Default			None
5	TB2	BenPIN	BenPIN				Yes	Default			None
6	TB1	BenPIN	BenPIN				Yes	Default			None
7	SO3						Yes				None
8	SO2						Yes				None
9	SO1						Yes				None
10	RAIL3						Yes				None
11	RAIL2						Yes				None
12	RAIL1						Yes				None
13	MP GAMMA4						Yes				None
14	MP GAMMA3						Yes				None
15	MP GAMMA2						Yes				None
16	MP GAMMA1						Yes				None
17	MP BETA4						Yes				None
18	MP BETA3						Yes				None
19	MP BETA2						Yes				None
20	MP BETA1						Yes				None
21	MP ALPHA4						Yes				None
22	MP ALPHA3						Yes				None
23	MP ALPHA2						Yes				None
24	MP ALPHA1						Yes	Default			None
25	KICKER3B						Yes				None
26	KICKER3A						Yes				None
27	KICKER2B						Yes				None
28	KICKER2A						Yes				None
29	KICKER1b						Yes				None
30	KICKER1a						Yes				None
31	FACE3						Yes				None
32	FACE2						Yes				None
33	FACE1						Yes				None
34	BACKCHANNEL3						Yes				None
35	BACKCHANNEL2						Yes				None
36	BACKCHANNEL1						Yes				None
37	35						Yes	** NA...			None
38	34						Yes	** NA...			None
39	33						Yes	** NA...			None
40	32						Yes	** NA...			None
41	31						Yes	** NA...			None
42	30						Yes	** NA...			None
43	29						Yes	** NA...			None
44	28						Yes	** NA...			None
45	27						Yes	** NA...			None
46	26						Yes	** NA...			None
47	25						Yes	** NA...			None
48	24						Yes	** NA...			None
49	23						Yes	** NA...			None
50	22						Yes	** NA...			None
51	21						Yes	** NA...			None
52	20						Yes	** NA...			None
53	19						Yes	** NA...			None
54	18						Yes	** NA...			None
55	17						Yes	** NA...			None
56	16						Yes	** NA...			None



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physi...	Defl ...	Analysi...	Inactive	Seis...
57	15						Yes	** NA...			None
58	14						Yes	** NA...			None
59	13						Yes	** NA...			None
60	12						Yes	** NA...			None
61	11						Yes	** NA...			None
62	10						Yes	** NA...			None
63	9						Yes	** NA...			None
64	8						Yes	** NA...			None
65	6						Yes	** NA...			None
66	5						Yes	** NA...			None
67	4						Yes	** NA...			None
68	3						Yes	** NA...			None
69	1						Yes	** NA...			None

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.25	65	1.15
8	A913 Gr.65	29000	11154	.3	.65	.49	65	1.1	80	1.1

Member Point Loads (BLC 1 : Live Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	FACE1	Z	-.5	0

Member Point Loads (BLC 2 : Wind Load (0))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.121	3.75
2	MP ALPHA1	Y	-.121	1.25
3	MP BETA1	Y	-.096	3.75
4	MP BETA1	Y	-.096	1.25
5	MP GAMMA1	Y	-.096	3.75
6	MP GAMMA1	Y	-.096	1.25
7	MP ALPHA3	Y	-.1	4.75
8	MP ALPHA3	Y	-.1	3.25
9	MP BETA3	Y	-.058	4.75
10	MP BETA3	Y	-.058	3.25
11	MP GAMMA3	Y	-.058	4.75
12	MP GAMMA3	Y	-.058	3.25
13	MP ALPHA4	Y	-.122	3.75
14	MP ALPHA4	Y	-.122	1.25
15	MP BETA4	Y	-.053	3.75
16	MP BETA4	Y	-.053	1.25
17	MP GAMMA4	Y	-.053	3.75
18	MP GAMMA4	Y	-.053	1.25
19	MP ALPHA2	Y	-.287	6.917
20	MP ALPHA2	Y	-.287	1.083
21	MP BETA2	Y	-.15	6.917
22	MP BETA2	Y	-.15	1.083



Member Point Loads (BLC 2 : Wind Load (0)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
23	MP GAMMA2	Y	-.15	6.917
24	MP GAMMA2	Y	-.15	1.083
25	MP ALPHA2	Y	-.012	4
26	MP BETA2	Y	-.008	4
27	MP GAMMA2	Y	-.008	4
28	MP ALPHA2	Y	-.02	4
29	MP BETA2	Y	-.015	4
30	MP GAMMA2	Y	-.015	4
31	MP ALPHA4	Y	-.069	2.5
32	MP BETA4	Y	-.059	2.5
33	MP GAMMA4	Y	-.059	2.5
34	MP ALPHA4	Y	-.033	2.5
35	MP BETA4	Y	-.026	2.5
36	MP GAMMA4	Y	-.026	2.5

Member Point Loads (BLC 3 : Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.071	3.75
2	MP ALPHA1	Z	-.071	1.25
3	MP BETA1	Z	-.071	3.75
4	MP BETA1	Z	-.071	1.25
5	MP GAMMA1	Z	-.071	3.75
6	MP GAMMA1	Z	-.071	1.25
7	MP ALPHA3	Z	-.052	4.75
8	MP ALPHA3	Z	-.052	3.25
9	MP BETA3	Z	-.052	4.75
10	MP BETA3	Z	-.052	3.25
11	MP GAMMA3	Z	-.052	4.75
12	MP GAMMA3	Z	-.052	3.25
13	MP ALPHA4	Z	-.02	3.75
14	MP ALPHA4	Z	-.02	1.25
15	MP BETA4	Z	-.02	3.75
16	MP BETA4	Z	-.02	1.25
17	MP GAMMA4	Z	-.02	3.75
18	MP GAMMA4	Z	-.02	1.25
19	MP ALPHA2	Z	-.048	6.917
20	MP ALPHA2	Z	-.048	1.083
21	MP BETA2	Z	-.048	6.917
22	MP BETA2	Z	-.048	1.083
23	MP GAMMA2	Z	-.048	6.917
24	MP GAMMA2	Z	-.048	1.083
25	MP ALPHA2	Z	-.011	4
26	MP BETA2	Z	-.011	4
27	MP GAMMA2	Z	-.011	4
28	MP ALPHA2	Z	-.015	4
29	MP BETA2	Z	-.015	4
30	MP GAMMA2	Z	-.015	4
31	MP ALPHA4	Z	-.073	2.5
32	MP BETA4	Z	-.073	2.5
33	MP GAMMA4	Z	-.073	2.5
34	MP ALPHA4	Z	-.044	2.5
35	MP BETA4	Z	-.044	2.5
36	MP GAMMA4	Z	-.044	2.5

Member Point Loads (BLC 4 : Wind Load (30))

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



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.097	3.75
2	MP ALPHA1	Y	-.097	1.25
3	MP ALPHA1	X	-.056	3.75
4	MP ALPHA1	X	-.056	1.25
5	MP BETA1	Y	-.076	3.75
6	MP BETA1	Y	-.076	1.25
7	MP BETA1	X	-.044	3.75
8	MP BETA1	X	-.044	1.25
9	MP GAMMA1	Y	-.097	3.75
10	MP GAMMA1	Y	-.097	1.25
11	MP GAMMA1	X	-.056	3.75
12	MP GAMMA1	X	-.056	1.25
13	MP ALPHA3	Y	-.074	4.75
14	MP ALPHA3	Y	-.074	3.25
15	MP ALPHA3	X	-.043	4.75
16	MP ALPHA3	X	-.043	3.25
17	MP BETA3	Y	-.038	4.75
18	MP BETA3	Y	-.038	3.25
19	MP BETA3	X	-.022	4.75
20	MP BETA3	X	-.022	3.25
21	MP GAMMA3	Y	-.074	4.75
22	MP GAMMA3	Y	-.074	3.25
23	MP GAMMA3	X	-.043	4.75
24	MP GAMMA3	X	-.043	3.25
25	MP ALPHA4	Y	-.086	3.75
26	MP ALPHA4	Y	-.086	1.25
27	MP ALPHA4	X	-.05	3.75
28	MP ALPHA4	X	-.05	1.25
29	MP BETA4	Y	-.025	3.75
30	MP BETA4	Y	-.025	1.25
31	MP BETA4	X	-.015	3.75
32	MP BETA4	X	-.015	1.25
33	MP GAMMA4	Y	-.086	3.75
34	MP GAMMA4	Y	-.086	1.25
35	MP GAMMA4	X	-.05	3.75
36	MP GAMMA4	X	-.05	1.25
37	MP ALPHA2	Y	-.209	6.917
38	MP ALPHA2	Y	-.209	1.083
39	MP ALPHA2	X	-.121	6.917
40	MP ALPHA2	X	-.121	1.083
41	MP BETA2	Y	-.09	6.917
42	MP BETA2	Y	-.09	1.083
43	MP BETA2	X	-.052	6.917
44	MP BETA2	X	-.052	1.083
45	MP GAMMA2	Y	-.209	6.917
46	MP GAMMA2	Y	-.209	1.083
47	MP GAMMA2	X	-.121	6.917
48	MP GAMMA2	X	-.121	1.083
49	MP ALPHA2	Y	-.009	4
50	MP ALPHA2	X	-.005	4
51	MP BETA2	Y	-.005	4
52	MP BETA2	X	-.003	4
53	MP GAMMA2	Y	-.009	4
54	MP GAMMA2	X	-.005	4
55	MP ALPHA2	Y	-.016	4
56	MP ALPHA2	X	-.009	4
57	MP BETA2	Y	-.011	4



Member Point Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP BETA2	X	-0.06	4
59	MP GAMMA2	Y	-0.016	4
60	MP GAMMA2	X	-0.009	4
61	MP ALPHA4	Y	-0.057	2.5
62	MP ALPHA4	X	-0.033	2.5
63	MP BETA4	Y	-0.048	2.5
64	MP BETA4	X	-0.028	2.5
65	MP GAMMA4	Y	-0.057	2.5
66	MP GAMMA4	X	-0.033	2.5
67	MP ALPHA4	Y	-0.027	2.5
68	MP ALPHA4	X	-0.015	2.5
69	MP BETA4	Y	-0.02	2.5
70	MP BETA4	X	-0.012	2.5
71	MP GAMMA4	Y	-0.027	2.5
72	MP GAMMA4	X	-0.015	2.5

Member Point Loads (BLC 5 : Wind Load (60))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-0.048	3.75
2	MP ALPHA1	Y	-0.048	1.25
3	MP ALPHA1	X	-0.083	3.75
4	MP ALPHA1	X	-0.083	1.25
5	MP BETA1	Y	-0.048	3.75
6	MP BETA1	Y	-0.048	1.25
7	MP BETA1	X	-0.083	3.75
8	MP BETA1	X	-0.083	1.25
9	MP GAMMA1	Y	-0.06	3.75
10	MP GAMMA1	Y	-0.06	1.25
11	MP GAMMA1	X	-0.104	3.75
12	MP GAMMA1	X	-0.104	1.25
13	MP ALPHA3	Y	-0.029	4.75
14	MP ALPHA3	Y	-0.029	3.25
15	MP ALPHA3	X	-0.05	4.75
16	MP ALPHA3	X	-0.05	3.25
17	MP BETA3	Y	-0.029	4.75
18	MP BETA3	Y	-0.029	3.25
19	MP BETA3	X	-0.05	4.75
20	MP BETA3	X	-0.05	3.25
21	MP GAMMA3	Y	-0.05	4.75
22	MP GAMMA3	Y	-0.05	3.25
23	MP GAMMA3	X	-0.087	4.75
24	MP GAMMA3	X	-0.087	3.25
25	MP ALPHA4	Y	-0.026	3.75
26	MP ALPHA4	Y	-0.026	1.25
27	MP ALPHA4	X	-0.046	3.75
28	MP ALPHA4	X	-0.046	1.25
29	MP BETA4	Y	-0.026	3.75
30	MP BETA4	Y	-0.026	1.25
31	MP BETA4	X	-0.046	3.75
32	MP BETA4	X	-0.046	1.25
33	MP GAMMA4	Y	-0.061	3.75
34	MP GAMMA4	Y	-0.061	1.25
35	MP GAMMA4	X	-0.106	3.75
36	MP GAMMA4	X	-0.106	1.25
37	MP ALPHA2	Y	-0.075	6.917
38	MP ALPHA2	Y	-0.075	1.083



Member Point Loads (BLC 5 : Wind Load (60)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP ALPHA2	X	-.13	6.917
40	MP ALPHA2	X	-.13	1.083
41	MP BETA2	Y	-.075	6.917
42	MP BETA2	Y	-.075	1.083
43	MP BETA2	X	-.13	6.917
44	MP BETA2	X	-.13	1.083
45	MP GAMMA2	Y	-.143	6.917
46	MP GAMMA2	Y	-.143	1.083
47	MP GAMMA2	X	-.248	6.917
48	MP GAMMA2	X	-.248	1.083
49	MP ALPHA2	Y	-.004	4
50	MP ALPHA2	X	-.007	4
51	MP BETA2	Y	-.004	4
52	MP BETA2	X	-.007	4
53	MP GAMMA2	Y	-.006	4
54	MP GAMMA2	X	-.011	4
55	MP ALPHA2	Y	-.007	4
56	MP ALPHA2	X	-.013	4
57	MP BETA2	Y	-.007	4
58	MP BETA2	X	-.013	4
59	MP GAMMA2	Y	-.01	4
60	MP GAMMA2	X	-.017	4
61	MP ALPHA4	Y	-.03	2.5
62	MP ALPHA4	X	-.051	2.5
63	MP BETA4	Y	-.03	2.5
64	MP BETA4	X	-.051	2.5
65	MP GAMMA4	Y	-.035	2.5
66	MP GAMMA4	X	-.06	2.5
67	MP ALPHA4	Y	-.013	2.5
68	MP ALPHA4	X	-.022	2.5
69	MP BETA4	Y	-.013	2.5
70	MP BETA4	X	-.022	2.5
71	MP GAMMA4	Y	-.017	2.5
72	MP GAMMA4	X	-.029	2.5

Member Point Loads (BLC 6 : Wind Load (90))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.087	3.75
2	MP ALPHA1	X	-.087	1.25
3	MP BETA1	X	-.112	3.75
4	MP BETA1	X	-.112	1.25
5	MP GAMMA1	X	-.112	3.75
6	MP GAMMA1	X	-.112	1.25
7	MP ALPHA3	X	-.044	4.75
8	MP ALPHA3	X	-.044	3.25
9	MP BETA3	X	-.086	4.75
10	MP BETA3	X	-.086	3.25
11	MP GAMMA3	X	-.086	4.75
12	MP GAMMA3	X	-.086	3.25
13	MP ALPHA4	X	-.029	3.75
14	MP ALPHA4	X	-.029	1.25
15	MP BETA4	X	-.099	3.75
16	MP BETA4	X	-.099	1.25
17	MP GAMMA4	X	-.099	3.75
18	MP GAMMA4	X	-.099	1.25
19	MP ALPHA2	X	-.104	6.917



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 6 : Wind Load (90)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
20	MP ALPHA2	X	-.104	1.083
21	MP BETA2	X	-.241	6.917
22	MP BETA2	X	-.241	1.083
23	MP GAMMA2	X	-.241	6.917
24	MP GAMMA2	X	-.241	1.083
25	MP ALPHA2	X	-.006	4
26	MP BETA2	X	-.011	4
27	MP GAMMA2	X	-.011	4
28	MP ALPHA2	X	-.013	4
29	MP BETA2	X	-.018	4
30	MP GAMMA2	X	-.018	4
31	MP ALPHA4	X	-.056	2.5
32	MP BETA4	X	-.066	2.5
33	MP GAMMA4	X	-.066	2.5
34	MP ALPHA4	X	-.023	2.5
35	MP BETA4	X	-.031	2.5
36	MP GAMMA4	X	-.031	2.5

Member Point Loads (BLC 7 : Wind Load (120))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.048	3.75
2	MP ALPHA1	Y	.048	1.25
3	MP ALPHA1	X	-.083	3.75
4	MP ALPHA1	X	-.083	1.25
5	MP BETA1	Y	.06	3.75
6	MP BETA1	Y	.06	1.25
7	MP BETA1	X	-.104	3.75
8	MP BETA1	X	-.104	1.25
9	MP GAMMA1	Y	.048	3.75
10	MP GAMMA1	Y	.048	1.25
11	MP GAMMA1	X	-.083	3.75
12	MP GAMMA1	X	-.083	1.25
13	MP ALPHA3	Y	.029	4.75
14	MP ALPHA3	Y	.029	3.25
15	MP ALPHA3	X	-.05	4.75
16	MP ALPHA3	X	-.05	3.25
17	MP BETA3	Y	.05	4.75
18	MP BETA3	Y	.05	3.25
19	MP BETA3	X	-.087	4.75
20	MP BETA3	X	-.087	3.25
21	MP GAMMA3	Y	.029	4.75
22	MP GAMMA3	Y	.029	3.25
23	MP GAMMA3	X	-.05	4.75
24	MP GAMMA3	X	-.05	3.25
25	MP ALPHA4	Y	.026	3.75
26	MP ALPHA4	Y	.026	1.25
27	MP ALPHA4	X	-.046	3.75
28	MP ALPHA4	X	-.046	1.25
29	MP BETA4	Y	.061	3.75
30	MP BETA4	Y	.061	1.25
31	MP BETA4	X	-.106	3.75
32	MP BETA4	X	-.106	1.25
33	MP GAMMA4	Y	.026	3.75
34	MP GAMMA4	Y	.026	1.25
35	MP GAMMA4	X	-.046	3.75
36	MP GAMMA4	X	-.046	1.25



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 7 : Wind Load (120)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
37	MP ALPHA2	Y	.075	6.917
38	MP ALPHA2	Y	.075	1.083
39	MP ALPHA2	X	-.13	6.917
40	MP ALPHA2	X	-.13	1.083
41	MP BETA2	Y	.143	6.917
42	MP BETA2	Y	.143	1.083
43	MP BETA2	X	-.248	6.917
44	MP BETA2	X	-.248	1.083
45	MP GAMMA2	Y	.075	6.917
46	MP GAMMA2	Y	.075	1.083
47	MP GAMMA2	X	-.13	6.917
48	MP GAMMA2	X	-.13	1.083
49	MP ALPHA2	Y	.004	4
50	MP ALPHA2	X	-.007	4
51	MP BETA2	Y	.006	4
52	MP BETA2	X	-.011	4
53	MP GAMMA2	Y	.004	4
54	MP GAMMA2	X	-.007	4
55	MP ALPHA2	Y	.007	4
56	MP ALPHA2	X	-.013	4
57	MP BETA2	Y	.01	4
58	MP BETA2	X	-.017	4
59	MP GAMMA2	Y	.007	4
60	MP GAMMA2	X	-.013	4
61	MP ALPHA4	Y	.03	2.5
62	MP ALPHA4	X	-.051	2.5
63	MP BETA4	Y	.035	2.5
64	MP BETA4	X	-.06	2.5
65	MP GAMMA4	Y	.03	2.5
66	MP GAMMA4	X	-.051	2.5
67	MP ALPHA4	Y	.013	2.5
68	MP ALPHA4	X	-.022	2.5
69	MP BETA4	Y	.017	2.5
70	MP BETA4	X	-.029	2.5
71	MP GAMMA4	Y	.013	2.5
72	MP GAMMA4	X	-.022	2.5

Member Point Loads (BLC 8 : Wind Load (150))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.097	3.75
2	MP ALPHA1	Y	.097	1.25
3	MP ALPHA1	X	-.056	3.75
4	MP ALPHA1	X	-.056	1.25
5	MP BETA1	Y	.097	3.75
6	MP BETA1	Y	.097	1.25
7	MP BETA1	X	-.056	3.75
8	MP BETA1	X	-.056	1.25
9	MP GAMMA1	Y	.076	3.75
10	MP GAMMA1	Y	.076	1.25
11	MP GAMMA1	X	-.044	3.75
12	MP GAMMA1	X	-.044	1.25
13	MP ALPHA3	Y	.074	4.75
14	MP ALPHA3	Y	.074	3.25
15	MP ALPHA3	X	-.043	4.75
16	MP ALPHA3	X	-.043	3.25
17	MP BETA3	Y	.074	4.75



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 8 : Wind Load (150)) (Continued)

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
18	MP BETA3	Y	.074	3.25
19	MP BETA3	X	-.043	4.75
20	MP BETA3	X	-.043	3.25
21	MP GAMMA3	Y	.038	4.75
22	MP GAMMA3	Y	.038	3.25
23	MP GAMMA3	X	-.022	4.75
24	MP GAMMA3	X	-.022	3.25
25	MP ALPHA4	Y	.086	3.75
26	MP ALPHA4	Y	.086	1.25
27	MP ALPHA4	X	-.05	3.75
28	MP ALPHA4	X	-.05	1.25
29	MP BETA4	Y	.086	3.75
30	MP BETA4	Y	.086	1.25
31	MP BETA4	X	-.05	3.75
32	MP BETA4	X	-.05	1.25
33	MP GAMMA4	Y	.025	3.75
34	MP GAMMA4	Y	.025	1.25
35	MP GAMMA4	X	-.015	3.75
36	MP GAMMA4	X	-.015	1.25
37	MP ALPHA2	Y	.209	6.917
38	MP ALPHA2	Y	.209	1.083
39	MP ALPHA2	X	-.121	6.917
40	MP ALPHA2	X	-.121	1.083
41	MP BETA2	Y	.209	6.917
42	MP BETA2	Y	.209	1.083
43	MP BETA2	X	-.121	6.917
44	MP BETA2	X	-.121	1.083
45	MP GAMMA2	Y	.09	6.917
46	MP GAMMA2	Y	.09	1.083
47	MP GAMMA2	X	-.052	6.917
48	MP GAMMA2	X	-.052	1.083
49	MP ALPHA2	Y	.009	4
50	MP ALPHA2	X	-.005	4
51	MP BETA2	Y	.009	4
52	MP BETA2	X	-.005	4
53	MP GAMMA2	Y	.005	4
54	MP GAMMA2	X	-.003	4
55	MP ALPHA2	Y	.016	4
56	MP ALPHA2	X	-.009	4
57	MP BETA2	Y	.016	4
58	MP BETA2	X	-.009	4
59	MP GAMMA2	Y	.011	4
60	MP GAMMA2	X	-.006	4
61	MP ALPHA4	Y	.057	2.5
62	MP ALPHA4	X	-.033	2.5
63	MP BETA4	Y	.057	2.5
64	MP BETA4	X	-.033	2.5
65	MP GAMMA4	Y	.048	2.5
66	MP GAMMA4	X	-.028	2.5
67	MP ALPHA4	Y	.027	2.5
68	MP ALPHA4	X	-.015	2.5
69	MP BETA4	Y	.027	2.5
70	MP BETA4	X	-.015	2.5
71	MP GAMMA4	Y	.02	2.5
72	MP GAMMA4	X	-.012	2.5



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 9 : Wind Load (180))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.121	3.75
2	MP ALPHA1	Y	.121	1.25
3	MP BETA1	Y	.096	3.75
4	MP BETA1	Y	.096	1.25
5	MP GAMMA1	Y	.096	3.75
6	MP GAMMA1	Y	.096	1.25
7	MP ALPHA3	Y	.1	4.75
8	MP ALPHA3	Y	.1	3.25
9	MP BETA3	Y	.058	4.75
10	MP BETA3	Y	.058	3.25
11	MP GAMMA3	Y	.058	4.75
12	MP GAMMA3	Y	.058	3.25
13	MP ALPHA4	Y	.122	3.75
14	MP ALPHA4	Y	.122	1.25
15	MP BETA4	Y	.053	3.75
16	MP BETA4	Y	.053	1.25
17	MP GAMMA4	Y	.053	3.75
18	MP GAMMA4	Y	.053	1.25
19	MP ALPHA2	Y	.287	6.917
20	MP ALPHA2	Y	.287	1.083
21	MP BETA2	Y	.15	6.917
22	MP BETA2	Y	.15	1.083
23	MP GAMMA2	Y	.15	6.917
24	MP GAMMA2	Y	.15	1.083
25	MP ALPHA2	Y	.012	4
26	MP BETA2	Y	.008	4
27	MP GAMMA2	Y	.008	4
28	MP ALPHA2	Y	.02	4
29	MP BETA2	Y	.015	4
30	MP GAMMA2	Y	.015	4
31	MP ALPHA4	Y	.069	2.5
32	MP BETA4	Y	.059	2.5
33	MP GAMMA4	Y	.059	2.5
34	MP ALPHA4	Y	.033	2.5
35	MP BETA4	Y	.026	2.5
36	MP GAMMA4	Y	.026	2.5

Member Point Loads (BLC 10 : Wind Load (210))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.097	3.75
2	MP ALPHA1	Y	.097	1.25
3	MP ALPHA1	X	.056	3.75
4	MP ALPHA1	X	.056	1.25
5	MP BETA1	Y	.076	3.75
6	MP BETA1	Y	.076	1.25
7	MP BETA1	X	.044	3.75
8	MP BETA1	X	.044	1.25
9	MP GAMMA1	Y	.097	3.75
10	MP GAMMA1	Y	.097	1.25
11	MP GAMMA1	X	.056	3.75
12	MP GAMMA1	X	.056	1.25
13	MP ALPHA3	Y	.074	4.75
14	MP ALPHA3	Y	.074	3.25
15	MP ALPHA3	X	.043	4.75
16	MP ALPHA3	X	.043	3.25
17	MP BETA3	Y	.038	4.75



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 10 : Wind Load (210)) (Continued)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
18	MP BETA3	Y	.038	3.25
19	MP BETA3	X	.022	4.75
20	MP BETA3	X	.022	3.25
21	MP GAMMA3	Y	.074	4.75
22	MP GAMMA3	Y	.074	3.25
23	MP GAMMA3	X	.043	4.75
24	MP GAMMA3	X	.043	3.25
25	MP ALPHA4	Y	.086	3.75
26	MP ALPHA4	Y	.086	1.25
27	MP ALPHA4	X	.05	3.75
28	MP ALPHA4	X	.05	1.25
29	MP BETA4	Y	.025	3.75
30	MP BETA4	Y	.025	1.25
31	MP BETA4	X	.015	3.75
32	MP BETA4	X	.015	1.25
33	MP GAMMA4	Y	.086	3.75
34	MP GAMMA4	Y	.086	1.25
35	MP GAMMA4	X	.05	3.75
36	MP GAMMA4	X	.05	1.25
37	MP ALPHA2	Y	.209	6.917
38	MP ALPHA2	Y	.209	1.083
39	MP ALPHA2	X	.121	6.917
40	MP ALPHA2	X	.121	1.083
41	MP BETA2	Y	.09	6.917
42	MP BETA2	Y	.09	1.083
43	MP BETA2	X	.052	6.917
44	MP BETA2	X	.052	1.083
45	MP GAMMA2	Y	.209	6.917
46	MP GAMMA2	Y	.209	1.083
47	MP GAMMA2	X	.121	6.917
48	MP GAMMA2	X	.121	1.083
49	MP ALPHA2	Y	.009	4
50	MP ALPHA2	X	.005	4
51	MP BETA2	Y	.005	4
52	MP BETA2	X	.003	4
53	MP GAMMA2	Y	.009	4
54	MP GAMMA2	X	.005	4
55	MP ALPHA2	Y	.016	4
56	MP ALPHA2	X	.009	4
57	MP BETA2	Y	.011	4
58	MP BETA2	X	.006	4
59	MP GAMMA2	Y	.016	4
60	MP GAMMA2	X	.009	4
61	MP ALPHA4	Y	.057	2.5
62	MP ALPHA4	X	.033	2.5
63	MP BETA4	Y	.048	2.5
64	MP BETA4	X	.028	2.5
65	MP GAMMA4	Y	.057	2.5
66	MP GAMMA4	X	.033	2.5
67	MP ALPHA4	Y	.027	2.5
68	MP ALPHA4	X	.015	2.5
69	MP BETA4	Y	.02	2.5
70	MP BETA4	X	.012	2.5
71	MP GAMMA4	Y	.027	2.5
72	MP GAMMA4	X	.015	2.5



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 11 : Wind Load (240))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.048	3.75
2	MP ALPHA1	Y	.048	1.25
3	MP ALPHA1	X	.083	3.75
4	MP ALPHA1	X	.083	1.25
5	MP BETA1	Y	.048	3.75
6	MP BETA1	Y	.048	1.25
7	MP BETA1	X	.083	3.75
8	MP BETA1	X	.083	1.25
9	MP GAMMA1	Y	.06	3.75
10	MP GAMMA1	Y	.06	1.25
11	MP GAMMA1	X	.104	3.75
12	MP GAMMA1	X	.104	1.25
13	MP ALPHA3	Y	.029	4.75
14	MP ALPHA3	Y	.029	3.25
15	MP ALPHA3	X	.05	4.75
16	MP ALPHA3	X	.05	3.25
17	MP BETA3	Y	.029	4.75
18	MP BETA3	Y	.029	3.25
19	MP BETA3	X	.05	4.75
20	MP BETA3	X	.05	3.25
21	MP GAMMA3	Y	.05	4.75
22	MP GAMMA3	Y	.05	3.25
23	MP GAMMA3	X	.087	4.75
24	MP GAMMA3	X	.087	3.25
25	MP ALPHA4	Y	.026	3.75
26	MP ALPHA4	Y	.026	1.25
27	MP ALPHA4	X	.046	3.75
28	MP ALPHA4	X	.046	1.25
29	MP BETA4	Y	.026	3.75
30	MP BETA4	Y	.026	1.25
31	MP BETA4	X	.046	3.75
32	MP BETA4	X	.046	1.25
33	MP GAMMA4	Y	.061	3.75
34	MP GAMMA4	Y	.061	1.25
35	MP GAMMA4	X	.106	3.75
36	MP GAMMA4	X	.106	1.25
37	MP ALPHA2	Y	.075	6.917
38	MP ALPHA2	Y	.075	1.083
39	MP ALPHA2	X	.13	6.917
40	MP ALPHA2	X	.13	1.083
41	MP BETA2	Y	.075	6.917
42	MP BETA2	Y	.075	1.083
43	MP BETA2	X	.13	6.917
44	MP BETA2	X	.13	1.083
45	MP GAMMA2	Y	.143	6.917
46	MP GAMMA2	Y	.143	1.083
47	MP GAMMA2	X	.248	6.917
48	MP GAMMA2	X	.248	1.083
49	MP ALPHA2	Y	.004	4
50	MP ALPHA2	X	.007	4
51	MP BETA2	Y	.004	4
52	MP BETA2	X	.007	4
53	MP GAMMA2	Y	.006	4
54	MP GAMMA2	X	.011	4
55	MP ALPHA2	Y	.007	4
56	MP ALPHA2	X	.013	4
57	MP BETA2	Y	.007	4



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 11 : Wind Load (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP BETA2	X	.013	4
59	MP GAMMA2	Y	.01	4
60	MP GAMMA2	X	.017	4
61	MP ALPHA4	Y	.03	2.5
62	MP ALPHA4	X	.051	2.5
63	MP BETA4	Y	.03	2.5
64	MP BETA4	X	.051	2.5
65	MP GAMMA4	Y	.035	2.5
66	MP GAMMA4	X	.06	2.5
67	MP ALPHA4	Y	.013	2.5
68	MP ALPHA4	X	.022	2.5
69	MP BETA4	Y	.013	2.5
70	MP BETA4	X	.022	2.5
71	MP GAMMA4	Y	.017	2.5
72	MP GAMMA4	X	.029	2.5

Member Point Loads (BLC 12 : Wind Load (270))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.087	3.75
2	MP ALPHA1	X	.087	1.25
3	MP BETA1	X	.112	3.75
4	MP BETA1	X	.112	1.25
5	MP GAMMA1	X	.112	3.75
6	MP GAMMA1	X	.112	1.25
7	MP ALPHA3	X	.044	4.75
8	MP ALPHA3	X	.044	3.25
9	MP BETA3	X	.086	4.75
10	MP BETA3	X	.086	3.25
11	MP GAMMA3	X	.086	4.75
12	MP GAMMA3	X	.086	3.25
13	MP ALPHA4	X	.029	3.75
14	MP ALPHA4	X	.029	1.25
15	MP BETA4	X	.099	3.75
16	MP BETA4	X	.099	1.25
17	MP GAMMA4	X	.099	3.75
18	MP GAMMA4	X	.099	1.25
19	MP ALPHA2	X	.104	6.917
20	MP ALPHA2	X	.104	1.083
21	MP BETA2	X	.241	6.917
22	MP BETA2	X	.241	1.083
23	MP GAMMA2	X	.241	6.917
24	MP GAMMA2	X	.241	1.083
25	MP ALPHA2	X	.006	4
26	MP BETA2	X	.011	4
27	MP GAMMA2	X	.011	4
28	MP ALPHA2	X	.013	4
29	MP BETA2	X	.018	4
30	MP GAMMA2	X	.018	4
31	MP ALPHA4	X	.056	2.5
32	MP BETA4	X	.066	2.5
33	MP GAMMA4	X	.066	2.5
34	MP ALPHA4	X	.023	2.5
35	MP BETA4	X	.031	2.5
36	MP GAMMA4	X	.031	2.5



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 13 : Wind Load (300))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.048	3.75
2	MP ALPHA1	Y	-.048	1.25
3	MP ALPHA1	X	.083	3.75
4	MP ALPHA1	X	.083	1.25
5	MP BETA1	Y	-.06	3.75
6	MP BETA1	Y	-.06	1.25
7	MP BETA1	X	.104	3.75
8	MP BETA1	X	.104	1.25
9	MP GAMMA1	Y	-.048	3.75
10	MP GAMMA1	Y	-.048	1.25
11	MP GAMMA1	X	.083	3.75
12	MP GAMMA1	X	.083	1.25
13	MP ALPHA3	Y	-.029	4.75
14	MP ALPHA3	Y	-.029	3.25
15	MP ALPHA3	X	.05	4.75
16	MP ALPHA3	X	.05	3.25
17	MP BETA3	Y	-.05	4.75
18	MP BETA3	Y	-.05	3.25
19	MP BETA3	X	.087	4.75
20	MP BETA3	X	.087	3.25
21	MP GAMMA3	Y	-.029	4.75
22	MP GAMMA3	Y	-.029	3.25
23	MP GAMMA3	X	.05	4.75
24	MP GAMMA3	X	.05	3.25
25	MP ALPHA4	Y	-.026	3.75
26	MP ALPHA4	Y	-.026	1.25
27	MP ALPHA4	X	.046	3.75
28	MP ALPHA4	X	.046	1.25
29	MP BETA4	Y	-.061	3.75
30	MP BETA4	Y	-.061	1.25
31	MP BETA4	X	.106	3.75
32	MP BETA4	X	.106	1.25
33	MP GAMMA4	Y	-.026	3.75
34	MP GAMMA4	Y	-.026	1.25
35	MP GAMMA4	X	.046	3.75
36	MP GAMMA4	X	.046	1.25
37	MP ALPHA2	Y	-.075	6.917
38	MP ALPHA2	Y	-.075	1.083
39	MP ALPHA2	X	.13	6.917
40	MP ALPHA2	X	.13	1.083
41	MP BETA2	Y	-.143	6.917
42	MP BETA2	Y	-.143	1.083
43	MP BETA2	X	.248	6.917
44	MP BETA2	X	.248	1.083
45	MP GAMMA2	Y	-.075	6.917
46	MP GAMMA2	Y	-.075	1.083
47	MP GAMMA2	X	.13	6.917
48	MP GAMMA2	X	.13	1.083
49	MP ALPHA2	Y	-.004	4
50	MP ALPHA2	X	.007	4
51	MP BETA2	Y	-.006	4
52	MP BETA2	X	.011	4
53	MP GAMMA2	Y	-.004	4
54	MP GAMMA2	X	.007	4
55	MP ALPHA2	Y	-.007	4
56	MP ALPHA2	X	.013	4
57	MP BETA2	Y	-.01	4



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 13 : Wind Load (300)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP BETA2	X	.017	4
59	MP GAMMA2	Y	-.007	4
60	MP GAMMA2	X	.013	4
61	MP ALPHA4	Y	-.03	2.5
62	MP ALPHA4	X	.051	2.5
63	MP BETA4	Y	-.035	2.5
64	MP BETA4	X	.06	2.5
65	MP GAMMA4	Y	-.03	2.5
66	MP GAMMA4	X	.051	2.5
67	MP ALPHA4	Y	-.013	2.5
68	MP ALPHA4	X	.022	2.5
69	MP BETA4	Y	-.017	2.5
70	MP BETA4	X	.029	2.5
71	MP GAMMA4	Y	-.013	2.5
72	MP GAMMA4	X	.022	2.5

Member Point Loads (BLC 14 : Wind Load (330))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.097	3.75
2	MP ALPHA1	Y	-.097	1.25
3	MP ALPHA1	X	.056	3.75
4	MP ALPHA1	X	.056	1.25
5	MP BETA1	Y	-.097	3.75
6	MP BETA1	Y	-.097	1.25
7	MP BETA1	X	.056	3.75
8	MP BETA1	X	.056	1.25
9	MP GAMMA1	Y	-.076	3.75
10	MP GAMMA1	Y	-.076	1.25
11	MP GAMMA1	X	.044	3.75
12	MP GAMMA1	X	.044	1.25
13	MP ALPHA3	Y	-.074	4.75
14	MP ALPHA3	Y	-.074	3.25
15	MP ALPHA3	X	.043	4.75
16	MP ALPHA3	X	.043	3.25
17	MP BETA3	Y	-.074	4.75
18	MP BETA3	Y	-.074	3.25
19	MP BETA3	X	.043	4.75
20	MP BETA3	X	.043	3.25
21	MP GAMMA3	Y	-.038	4.75
22	MP GAMMA3	Y	-.038	3.25
23	MP GAMMA3	X	.022	4.75
24	MP GAMMA3	X	.022	3.25
25	MP ALPHA4	Y	-.086	3.75
26	MP ALPHA4	Y	-.086	1.25
27	MP ALPHA4	X	.05	3.75
28	MP ALPHA4	X	.05	1.25
29	MP BETA4	Y	-.086	3.75
30	MP BETA4	Y	-.086	1.25
31	MP BETA4	X	.05	3.75
32	MP BETA4	X	.05	1.25
33	MP GAMMA4	Y	-.025	3.75
34	MP GAMMA4	Y	-.025	1.25
35	MP GAMMA4	X	.015	3.75
36	MP GAMMA4	X	.015	1.25
37	MP ALPHA2	Y	-.209	6.917
38	MP ALPHA2	Y	-.209	1.083



Member Point Loads (BLC 14 : Wind Load (330)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP ALPHA2	X	.121	6.917
40	MP ALPHA2	X	.121	1.083
41	MP BETA2	Y	-.209	6.917
42	MP BETA2	Y	-.209	1.083
43	MP BETA2	X	.121	6.917
44	MP BETA2	X	.121	1.083
45	MP GAMMA2	Y	-.09	6.917
46	MP GAMMA2	Y	-.09	1.083
47	MP GAMMA2	X	.052	6.917
48	MP GAMMA2	X	.052	1.083
49	MP ALPHA2	Y	-.009	4
50	MP ALPHA2	X	.005	4
51	MP BETA2	Y	-.009	4
52	MP BETA2	X	.005	4
53	MP GAMMA2	Y	-.005	4
54	MP GAMMA2	X	.003	4
55	MP ALPHA2	Y	-.016	4
56	MP ALPHA2	X	.009	4
57	MP BETA2	Y	-.016	4
58	MP BETA2	X	.009	4
59	MP GAMMA2	Y	-.011	4
60	MP GAMMA2	X	.006	4
61	MP ALPHA4	Y	-.057	2.5
62	MP ALPHA4	X	.033	2.5
63	MP BETA4	Y	-.057	2.5
64	MP BETA4	X	.033	2.5
65	MP GAMMA4	Y	-.048	2.5
66	MP GAMMA4	X	.028	2.5
67	MP ALPHA4	Y	-.027	2.5
68	MP ALPHA4	X	.015	2.5
69	MP BETA4	Y	-.027	2.5
70	MP BETA4	X	.015	2.5
71	MP GAMMA4	Y	-.02	2.5
72	MP GAMMA4	X	.012	2.5

Member Point Loads (BLC 15 : Maintenance (0))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.007	3.75
2	MP ALPHA1	Y	-.007	1.25
3	MP BETA1	Y	-.006	3.75
4	MP BETA1	Y	-.006	1.25
5	MP GAMMA1	Y	-.006	3.75
6	MP GAMMA1	Y	-.006	1.25
7	MP ALPHA3	Y	-.006	4.75
8	MP ALPHA3	Y	-.006	3.25
9	MP BETA3	Y	-.003	4.75
10	MP BETA3	Y	-.003	3.25
11	MP GAMMA3	Y	-.003	4.75
12	MP GAMMA3	Y	-.003	3.25
13	MP ALPHA4	Y	-.007	3.75
14	MP ALPHA4	Y	-.007	1.25
15	MP BETA4	Y	-.003	3.75
16	MP BETA4	Y	-.003	1.25
17	MP GAMMA4	Y	-.003	3.75
18	MP GAMMA4	Y	-.003	1.25
19	MP ALPHA2	Y	-.017	6.917

Member Point Loads (BLC 15 : Maintenance (0)) (Continued)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
20	MP ALPHA2	Y	-0.017	1.083
21	MP BETA2	Y	-0.009	6.917
22	MP BETA2	Y	-0.009	1.083
23	MP GAMMA2	Y	-0.009	6.917
24	MP GAMMA2	Y	-0.009	1.083
25	MP ALPHA2	Y	-0.00071	4
26	MP BETA2	Y	-0.000444	4
27	MP GAMMA2	Y	-0.000444	4
28	MP ALPHA2	Y	-0.001	4
29	MP BETA2	Y	-0.000839	4
30	MP GAMMA2	Y	-0.000839	4
31	MP ALPHA4	Y	-0.004	2.5
32	MP BETA4	Y	-0.003	2.5
33	MP GAMMA4	Y	-0.003	2.5
34	MP ALPHA4	Y	-0.002	2.5
35	MP BETA4	Y	-0.001	2.5
36	MP GAMMA4	Y	-0.001	2.5

Member Point Loads (BLC 16 : Maintenance (30))

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA1	Y	-0.006	3.75
2	MP ALPHA1	Y	-0.006	1.25
3	MP ALPHA1	X	-0.003	3.75
4	MP ALPHA1	X	-0.003	1.25
5	MP BETA1	Y	-0.004	3.75
6	MP BETA1	Y	-0.004	1.25
7	MP BETA1	X	-0.003	3.75
8	MP BETA1	X	-0.003	1.25
9	MP GAMMA1	Y	-0.006	3.75
10	MP GAMMA1	Y	-0.006	1.25
11	MP GAMMA1	X	-0.003	3.75
12	MP GAMMA1	X	-0.003	1.25
13	MP ALPHA3	Y	-0.004	4.75
14	MP ALPHA3	Y	-0.004	3.25
15	MP ALPHA3	X	-0.002	4.75
16	MP ALPHA3	X	-0.002	3.25
17	MP BETA3	Y	-0.002	4.75
18	MP BETA3	Y	-0.002	3.25
19	MP BETA3	X	-0.001	4.75
20	MP BETA3	X	-0.001	3.25
21	MP GAMMA3	Y	-0.004	4.75
22	MP GAMMA3	Y	-0.004	3.25
23	MP GAMMA3	X	-0.002	4.75
24	MP GAMMA3	X	-0.002	3.25
25	MP ALPHA4	Y	-0.005	3.75
26	MP ALPHA4	Y	-0.005	1.25
27	MP ALPHA4	X	-0.003	3.75
28	MP ALPHA4	X	-0.003	1.25
29	MP BETA4	Y	-0.001	3.75
30	MP BETA4	Y	-0.001	1.25
31	MP BETA4	X	-0.000844	3.75
32	MP BETA4	X	-0.000844	1.25
33	MP GAMMA4	Y	-0.005	3.75
34	MP GAMMA4	Y	-0.005	1.25
35	MP GAMMA4	X	-0.003	3.75
36	MP GAMMA4	X	-0.003	1.25



Member Point Loads (BLC 16 : Maintenance (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
37	MP ALPHA2	Y	-0.12	6.917
38	MP ALPHA2	Y	-0.12	1.083
39	MP ALPHA2	X	-0.07	6.917
40	MP ALPHA2	X	-0.07	1.083
41	MP BETA2	Y	-0.05	6.917
42	MP BETA2	Y	-0.05	1.083
43	MP BETA2	X	-0.03	6.917
44	MP BETA2	X	-0.03	1.083
45	MP GAMMA2	Y	-0.12	6.917
46	MP GAMMA2	Y	-0.12	1.083
47	MP GAMMA2	X	-0.07	6.917
48	MP GAMMA2	X	-0.07	1.083
49	MP ALPHA2	Y	-0.00538	4
50	MP ALPHA2	X	-0.0031	4
51	MP BETA2	Y	-0.00307	4
52	MP BETA2	X	-0.00177	4
53	MP GAMMA2	Y	-0.00538	4
54	MP GAMMA2	X	-0.0031	4
55	MP ALPHA2	Y	-0.00897	4
56	MP ALPHA2	X	-0.00518	4
57	MP BETA2	Y	-0.00641	4
58	MP BETA2	X	-0.0037	4
59	MP GAMMA2	Y	-0.00897	4
60	MP GAMMA2	X	-0.00518	4
61	MP ALPHA4	Y	-0.03	2.5
62	MP ALPHA4	X	-0.02	2.5
63	MP BETA4	Y	-0.03	2.5
64	MP BETA4	X	-0.02	2.5
65	MP GAMMA4	Y	-0.03	2.5
66	MP GAMMA4	X	-0.02	2.5
67	MP ALPHA4	Y	-0.02	2.5
68	MP ALPHA4	X	-0.00884	2.5
69	MP BETA4	Y	-0.01	2.5
70	MP BETA4	X	-0.00664	2.5
71	MP GAMMA4	Y	-0.02	2.5
72	MP GAMMA4	X	-0.00884	2.5

Member Point Loads (BLC 17 : Maintenance (60))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-0.03	3.75
2	MP ALPHA1	Y	-0.03	1.25
3	MP ALPHA1	X	-0.05	3.75
4	MP ALPHA1	X	-0.05	1.25
5	MP BETA1	Y	-0.03	3.75
6	MP BETA1	Y	-0.03	1.25
7	MP BETA1	X	-0.05	3.75
8	MP BETA1	X	-0.05	1.25
9	MP GAMMA1	Y	-0.03	3.75
10	MP GAMMA1	Y	-0.03	1.25
11	MP GAMMA1	X	-0.06	3.75
12	MP GAMMA1	X	-0.06	1.25
13	MP ALPHA3	Y	-0.02	4.75
14	MP ALPHA3	Y	-0.02	3.25
15	MP ALPHA3	X	-0.03	4.75
16	MP ALPHA3	X	-0.03	3.25
17	MP BETA3	Y	-0.02	4.75



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 17 : Maintenance (60)) (Continued)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
18	MP BETA3	Y	-0.02	3.25
19	MP BETA3	X	-0.03	4.75
20	MP BETA3	X	-0.03	3.25
21	MP GAMMA3	Y	-0.03	4.75
22	MP GAMMA3	Y	-0.03	3.25
23	MP GAMMA3	X	-0.05	4.75
24	MP GAMMA3	X	-0.05	3.25
25	MP ALPHA4	Y	-0.02	3.75
26	MP ALPHA4	Y	-0.02	1.25
27	MP ALPHA4	X	-0.03	3.75
28	MP ALPHA4	X	-0.03	1.25
29	MP BETA4	Y	-0.02	3.75
30	MP BETA4	Y	-0.02	1.25
31	MP BETA4	X	-0.03	3.75
32	MP BETA4	X	-0.03	1.25
33	MP GAMMA4	Y	-0.04	3.75
34	MP GAMMA4	Y	-0.04	1.25
35	MP GAMMA4	X	-0.06	3.75
36	MP GAMMA4	X	-0.06	1.25
37	MP ALPHA2	Y	-0.04	6.917
38	MP ALPHA2	Y	-0.04	1.083
39	MP ALPHA2	X	-0.07	6.917
40	MP ALPHA2	X	-0.07	1.083
41	MP BETA2	Y	-0.04	6.917
42	MP BETA2	Y	-0.04	1.083
43	MP BETA2	X	-0.07	6.917
44	MP BETA2	X	-0.07	1.083
45	MP GAMMA2	Y	-0.08	6.917
46	MP GAMMA2	Y	-0.08	1.083
47	MP GAMMA2	X	-0.14	6.917
48	MP GAMMA2	X	-0.14	1.083
49	MP ALPHA2	Y	-0.00222	4
50	MP ALPHA2	X	-0.00384	4
51	MP BETA2	Y	-0.00222	4
52	MP BETA2	X	-0.00384	4
53	MP GAMMA2	Y	-0.00355	4
54	MP GAMMA2	X	-0.00615	4
55	MP ALPHA2	Y	-0.00419	4
56	MP ALPHA2	X	-0.00726	4
57	MP BETA2	Y	-0.00419	4
58	MP BETA2	X	-0.00726	4
59	MP GAMMA2	Y	-0.00567	4
60	MP GAMMA2	X	-0.00982	4
61	MP ALPHA4	Y	-0.02	2.5
62	MP ALPHA4	X	-0.03	2.5
63	MP BETA4	Y	-0.02	2.5
64	MP BETA4	X	-0.03	2.5
65	MP GAMMA4	Y	-0.02	2.5
66	MP GAMMA4	X	-0.03	2.5
67	MP ALPHA4	Y	-0.00737	2.5
68	MP ALPHA4	X	-0.01	2.5
69	MP BETA4	Y	-0.00737	2.5
70	MP BETA4	X	-0.01	2.5
71	MP GAMMA4	Y	-0.00957	2.5
72	MP GAMMA4	X	-0.02	2.5



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 18 : Maintenance (90))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.005	3.75
2	MP ALPHA1	X	-.005	1.25
3	MP BETA1	X	-.006	3.75
4	MP BETA1	X	-.006	1.25
5	MP GAMMA1	X	-.006	3.75
6	MP GAMMA1	X	-.006	1.25
7	MP ALPHA3	X	-.003	4.75
8	MP ALPHA3	X	-.003	3.25
9	MP BETA3	X	-.005	4.75
10	MP BETA3	X	-.005	3.25
11	MP GAMMA3	X	-.005	4.75
12	MP GAMMA3	X	-.005	3.25
13	MP ALPHA4	X	-.002	3.75
14	MP ALPHA4	X	-.002	1.25
15	MP BETA4	X	-.006	3.75
16	MP BETA4	X	-.006	1.25
17	MP GAMMA4	X	-.006	3.75
18	MP GAMMA4	X	-.006	1.25
19	MP ALPHA2	X	-.006	6.917
20	MP ALPHA2	X	-.006	1.083
21	MP BETA2	X	-.014	6.917
22	MP BETA2	X	-.014	1.083
23	MP GAMMA2	X	-.014	6.917
24	MP GAMMA2	X	-.014	1.083
25	MP ALPHA2	X	-.000355	4
26	MP BETA2	X	-.000621	4
27	MP GAMMA2	X	-.000621	4
28	MP ALPHA2	X	-.00074	4
29	MP BETA2	X	-.001	4
30	MP GAMMA2	X	-.001	4
31	MP ALPHA4	X	-.003	2.5
32	MP BETA4	X	-.004	2.5
33	MP GAMMA4	X	-.004	2.5
34	MP ALPHA4	X	-.001	2.5
35	MP BETA4	X	-.002	2.5
36	MP GAMMA4	X	-.002	2.5

Member Point Loads (BLC 19 : Maintenance (120))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.003	3.75
2	MP ALPHA1	Y	.003	1.25
3	MP ALPHA1	X	-.005	3.75
4	MP ALPHA1	X	-.005	1.25
5	MP BETA1	Y	.003	3.75
6	MP BETA1	Y	.003	1.25
7	MP BETA1	X	-.006	3.75
8	MP BETA1	X	-.006	1.25
9	MP GAMMA1	Y	.003	3.75
10	MP GAMMA1	Y	.003	1.25
11	MP GAMMA1	X	-.005	3.75
12	MP GAMMA1	X	-.005	1.25
13	MP ALPHA3	Y	.002	4.75
14	MP ALPHA3	Y	.002	3.25
15	MP ALPHA3	X	-.003	4.75
16	MP ALPHA3	X	-.003	3.25
17	MP BETA3	Y	.003	4.75



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 19 : Maintenance (120)) (Continued)

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
18	MP BETA3	Y	.003	3.25
19	MP BETA3	X	-.005	4.75
20	MP BETA3	X	-.005	3.25
21	MP GAMMA3	Y	.002	4.75
22	MP GAMMA3	Y	.002	3.25
23	MP GAMMA3	X	-.003	4.75
24	MP GAMMA3	X	-.003	3.25
25	MP ALPHA4	Y	.002	3.75
26	MP ALPHA4	Y	.002	1.25
27	MP ALPHA4	X	-.003	3.75
28	MP ALPHA4	X	-.003	1.25
29	MP BETA4	Y	.004	3.75
30	MP BETA4	Y	.004	1.25
31	MP BETA4	X	-.006	3.75
32	MP BETA4	X	-.006	1.25
33	MP GAMMA4	Y	.002	3.75
34	MP GAMMA4	Y	.002	1.25
35	MP GAMMA4	X	-.003	3.75
36	MP GAMMA4	X	-.003	1.25
37	MP ALPHA2	Y	.004	6.917
38	MP ALPHA2	Y	.004	1.083
39	MP ALPHA2	X	-.007	6.917
40	MP ALPHA2	X	-.007	1.083
41	MP BETA2	Y	.008	6.917
42	MP BETA2	Y	.008	1.083
43	MP BETA2	X	-.014	6.917
44	MP BETA2	X	-.014	1.083
45	MP GAMMA2	Y	.004	6.917
46	MP GAMMA2	Y	.004	1.083
47	MP GAMMA2	X	-.007	6.917
48	MP GAMMA2	X	-.007	1.083
49	MP ALPHA2	Y	.000222	4
50	MP ALPHA2	X	-.000384	4
51	MP BETA2	Y	.000355	4
52	MP BETA2	X	-.000615	4
53	MP GAMMA2	Y	.000222	4
54	MP GAMMA2	X	-.000384	4
55	MP ALPHA2	Y	.000419	4
56	MP ALPHA2	X	-.000726	4
57	MP BETA2	Y	.000567	4
58	MP BETA2	X	-.000982	4
59	MP GAMMA2	Y	.000419	4
60	MP GAMMA2	X	-.000726	4
61	MP ALPHA4	Y	.002	2.5
62	MP ALPHA4	X	-.003	2.5
63	MP BETA4	Y	.002	2.5
64	MP BETA4	X	-.003	2.5
65	MP GAMMA4	Y	.002	2.5
66	MP GAMMA4	X	-.003	2.5
67	MP ALPHA4	Y	.000737	2.5
68	MP ALPHA4	X	-.001	2.5
69	MP BETA4	Y	.000957	2.5
70	MP BETA4	X	-.002	2.5
71	MP GAMMA4	Y	.000737	2.5
72	MP GAMMA4	X	-.001	2.5



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 20 : Maintenance (150))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.006	3.75
2	MP ALPHA1	Y	.006	1.25
3	MP ALPHA1	X	-.003	3.75
4	MP ALPHA1	X	-.003	1.25
5	MP BETA1	Y	.006	3.75
6	MP BETA1	Y	.006	1.25
7	MP BETA1	X	-.003	3.75
8	MP BETA1	X	-.003	1.25
9	MP GAMMA1	Y	.004	3.75
10	MP GAMMA1	Y	.004	1.25
11	MP GAMMA1	X	-.003	3.75
12	MP GAMMA1	X	-.003	1.25
13	MP ALPHA3	Y	.004	4.75
14	MP ALPHA3	Y	.004	3.25
15	MP ALPHA3	X	-.002	4.75
16	MP ALPHA3	X	-.002	3.25
17	MP BETA3	Y	.004	4.75
18	MP BETA3	Y	.004	3.25
19	MP BETA3	X	-.002	4.75
20	MP BETA3	X	-.002	3.25
21	MP GAMMA3	Y	.002	4.75
22	MP GAMMA3	Y	.002	3.25
23	MP GAMMA3	X	-.001	4.75
24	MP GAMMA3	X	-.001	3.25
25	MP ALPHA4	Y	.005	3.75
26	MP ALPHA4	Y	.005	1.25
27	MP ALPHA4	X	-.003	3.75
28	MP ALPHA4	X	-.003	1.25
29	MP BETA4	Y	.005	3.75
30	MP BETA4	Y	.005	1.25
31	MP BETA4	X	-.003	3.75
32	MP BETA4	X	-.003	1.25
33	MP GAMMA4	Y	.001	3.75
34	MP GAMMA4	Y	.001	1.25
35	MP GAMMA4	X	-.000844	3.75
36	MP GAMMA4	X	-.000844	1.25
37	MP ALPHA2	Y	.012	6.917
38	MP ALPHA2	Y	.012	1.083
39	MP ALPHA2	X	-.007	6.917
40	MP ALPHA2	X	-.007	1.083
41	MP BETA2	Y	.012	6.917
42	MP BETA2	Y	.012	1.083
43	MP BETA2	X	-.007	6.917
44	MP BETA2	X	-.007	1.083
45	MP GAMMA2	Y	.005	6.917
46	MP GAMMA2	Y	.005	1.083
47	MP GAMMA2	X	-.003	6.917
48	MP GAMMA2	X	-.003	1.083
49	MP ALPHA2	Y	.000538	4
50	MP ALPHA2	X	-.00031	4
51	MP BETA2	Y	.000538	4
52	MP BETA2	X	-.00031	4
53	MP GAMMA2	Y	.000307	4
54	MP GAMMA2	X	-.000177	4
55	MP ALPHA2	Y	.000897	4
56	MP ALPHA2	X	-.000518	4
57	MP BETA2	Y	.000897	4



Member Point Loads (BLC 20 : Maintenance (150)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP BETA2	X	-.000518	4
59	MP GAMMA2	Y	.000641	4
60	MP GAMMA2	X	-.00037	4
61	MP ALPHA4	Y	.003	2.5
62	MP ALPHA4	X	-.002	2.5
63	MP BETA4	Y	.003	2.5
64	MP BETA4	X	-.002	2.5
65	MP GAMMA4	Y	.003	2.5
66	MP GAMMA4	X	-.002	2.5
67	MP ALPHA4	Y	.002	2.5
68	MP ALPHA4	X	-.000884	2.5
69	MP BETA4	Y	.002	2.5
70	MP BETA4	X	-.000884	2.5
71	MP GAMMA4	Y	.001	2.5
72	MP GAMMA4	X	-.000664	2.5

Member Point Loads (BLC 21 : Maintenance (180))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.007	3.75
2	MP ALPHA1	Y	.007	1.25
3	MP BETA1	Y	.006	3.75
4	MP BETA1	Y	.006	1.25
5	MP GAMMA1	Y	.006	3.75
6	MP GAMMA1	Y	.006	1.25
7	MP ALPHA3	Y	.006	4.75
8	MP ALPHA3	Y	.006	3.25
9	MP BETA3	Y	.003	4.75
10	MP BETA3	Y	.003	3.25
11	MP GAMMA3	Y	.003	4.75
12	MP GAMMA3	Y	.003	3.25
13	MP ALPHA4	Y	.007	3.75
14	MP ALPHA4	Y	.007	1.25
15	MP BETA4	Y	.003	3.75
16	MP BETA4	Y	.003	1.25
17	MP GAMMA4	Y	.003	3.75
18	MP GAMMA4	Y	.003	1.25
19	MP ALPHA2	Y	.017	6.917
20	MP ALPHA2	Y	.017	1.083
21	MP BETA2	Y	.009	6.917
22	MP BETA2	Y	.009	1.083
23	MP GAMMA2	Y	.009	6.917
24	MP GAMMA2	Y	.009	1.083
25	MP ALPHA2	Y	.00071	4
26	MP BETA2	Y	.000444	4
27	MP GAMMA2	Y	.000444	4
28	MP ALPHA2	Y	.001	4
29	MP BETA2	Y	.000839	4
30	MP GAMMA2	Y	.000839	4
31	MP ALPHA4	Y	.004	2.5
32	MP BETA4	Y	.003	2.5
33	MP GAMMA4	Y	.003	2.5
34	MP ALPHA4	Y	.002	2.5
35	MP BETA4	Y	.001	2.5
36	MP GAMMA4	Y	.001	2.5



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 22 : Maintenance (210))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.006	3.75
2	MP ALPHA1	Y	.006	1.25
3	MP ALPHA1	X	.003	3.75
4	MP ALPHA1	X	.003	1.25
5	MP BETA1	Y	.004	3.75
6	MP BETA1	Y	.004	1.25
7	MP BETA1	X	.003	3.75
8	MP BETA1	X	.003	1.25
9	MP GAMMA1	Y	.006	3.75
10	MP GAMMA1	Y	.006	1.25
11	MP GAMMA1	X	.003	3.75
12	MP GAMMA1	X	.003	1.25
13	MP ALPHA3	Y	.004	4.75
14	MP ALPHA3	Y	.004	3.25
15	MP ALPHA3	X	.002	4.75
16	MP ALPHA3	X	.002	3.25
17	MP BETA3	Y	.002	4.75
18	MP BETA3	Y	.002	3.25
19	MP BETA3	X	.001	4.75
20	MP BETA3	X	.001	3.25
21	MP GAMMA3	Y	.004	4.75
22	MP GAMMA3	Y	.004	3.25
23	MP GAMMA3	X	.002	4.75
24	MP GAMMA3	X	.002	3.25
25	MP ALPHA4	Y	.005	3.75
26	MP ALPHA4	Y	.005	1.25
27	MP ALPHA4	X	.003	3.75
28	MP ALPHA4	X	.003	1.25
29	MP BETA4	Y	.001	3.75
30	MP BETA4	Y	.001	1.25
31	MP BETA4	X	.000844	3.75
32	MP BETA4	X	.000844	1.25
33	MP GAMMA4	Y	.005	3.75
34	MP GAMMA4	Y	.005	1.25
35	MP GAMMA4	X	.003	3.75
36	MP GAMMA4	X	.003	1.25
37	MP ALPHA2	Y	.012	6.917
38	MP ALPHA2	Y	.012	1.083
39	MP ALPHA2	X	.007	6.917
40	MP ALPHA2	X	.007	1.083
41	MP BETA2	Y	.005	6.917
42	MP BETA2	Y	.005	1.083
43	MP BETA2	X	.003	6.917
44	MP BETA2	X	.003	1.083
45	MP GAMMA2	Y	.012	6.917
46	MP GAMMA2	Y	.012	1.083
47	MP GAMMA2	X	.007	6.917
48	MP GAMMA2	X	.007	1.083
49	MP ALPHA2	Y	.000538	4
50	MP ALPHA2	X	.00031	4
51	MP BETA2	Y	.000307	4
52	MP BETA2	X	.000177	4
53	MP GAMMA2	Y	.000538	4
54	MP GAMMA2	X	.00031	4
55	MP ALPHA2	Y	.000897	4
56	MP ALPHA2	X	.000518	4
57	MP BETA2	Y	.000641	4



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 22 : Maintenance (210)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP BETA2	X	.00037	4
59	MP GAMMA2	Y	.000897	4
60	MP GAMMA2	X	.000518	4
61	MP ALPHA4	Y	.003	2.5
62	MP ALPHA4	X	.002	2.5
63	MP BETA4	Y	.003	2.5
64	MP BETA4	X	.002	2.5
65	MP GAMMA4	Y	.003	2.5
66	MP GAMMA4	X	.002	2.5
67	MP ALPHA4	Y	.002	2.5
68	MP ALPHA4	X	.000884	2.5
69	MP BETA4	Y	.001	2.5
70	MP BETA4	X	.000664	2.5
71	MP GAMMA4	Y	.002	2.5
72	MP GAMMA4	X	.000884	2.5

Member Point Loads (BLC 23 : Maintenance (240))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.003	3.75
2	MP ALPHA1	Y	.003	1.25
3	MP ALPHA1	X	.005	3.75
4	MP ALPHA1	X	.005	1.25
5	MP BETA1	Y	.003	3.75
6	MP BETA1	Y	.003	1.25
7	MP BETA1	X	.005	3.75
8	MP BETA1	X	.005	1.25
9	MP GAMMA1	Y	.003	3.75
10	MP GAMMA1	Y	.003	1.25
11	MP GAMMA1	X	.006	3.75
12	MP GAMMA1	X	.006	1.25
13	MP ALPHA3	Y	.002	4.75
14	MP ALPHA3	Y	.002	3.25
15	MP ALPHA3	X	.003	4.75
16	MP ALPHA3	X	.003	3.25
17	MP BETA3	Y	.002	4.75
18	MP BETA3	Y	.002	3.25
19	MP BETA3	X	.003	4.75
20	MP BETA3	X	.003	3.25
21	MP GAMMA3	Y	.003	4.75
22	MP GAMMA3	Y	.003	3.25
23	MP GAMMA3	X	.005	4.75
24	MP GAMMA3	X	.005	3.25
25	MP ALPHA4	Y	.002	3.75
26	MP ALPHA4	Y	.002	1.25
27	MP ALPHA4	X	.003	3.75
28	MP ALPHA4	X	.003	1.25
29	MP BETA4	Y	.002	3.75
30	MP BETA4	Y	.002	1.25
31	MP BETA4	X	.003	3.75
32	MP BETA4	X	.003	1.25
33	MP GAMMA4	Y	.004	3.75
34	MP GAMMA4	Y	.004	1.25
35	MP GAMMA4	X	.006	3.75
36	MP GAMMA4	X	.006	1.25
37	MP ALPHA2	Y	.004	6.917
38	MP ALPHA2	Y	.004	1.083



Member Point Loads (BLC 23 : Maintenance (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP ALPHA2	X	.007	6.917
40	MP ALPHA2	X	.007	1.083
41	MP BETA2	Y	.004	6.917
42	MP BETA2	Y	.004	1.083
43	MP BETA2	X	.007	6.917
44	MP BETA2	X	.007	1.083
45	MP GAMMA2	Y	.008	6.917
46	MP GAMMA2	Y	.008	1.083
47	MP GAMMA2	X	.014	6.917
48	MP GAMMA2	X	.014	1.083
49	MP ALPHA2	Y	.000222	4
50	MP ALPHA2	X	.000384	4
51	MP BETA2	Y	.000222	4
52	MP BETA2	X	.000384	4
53	MP GAMMA2	Y	.000355	4
54	MP GAMMA2	X	.000615	4
55	MP ALPHA2	Y	.000419	4
56	MP ALPHA2	X	.000726	4
57	MP BETA2	Y	.000419	4
58	MP BETA2	X	.000726	4
59	MP GAMMA2	Y	.000567	4
60	MP GAMMA2	X	.000982	4
61	MP ALPHA4	Y	.002	2.5
62	MP ALPHA4	X	.003	2.5
63	MP BETA4	Y	.002	2.5
64	MP BETA4	X	.003	2.5
65	MP GAMMA4	Y	.002	2.5
66	MP GAMMA4	X	.003	2.5
67	MP ALPHA4	Y	.000737	2.5
68	MP ALPHA4	X	.001	2.5
69	MP BETA4	Y	.000737	2.5
70	MP BETA4	X	.001	2.5
71	MP GAMMA4	Y	.000957	2.5
72	MP GAMMA4	X	.002	2.5

Member Point Loads (BLC 24 : Maintenance (270))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.005	3.75
2	MP ALPHA1	X	.005	1.25
3	MP BETA1	X	.006	3.75
4	MP BETA1	X	.006	1.25
5	MP GAMMA1	X	.006	3.75
6	MP GAMMA1	X	.006	1.25
7	MP ALPHA3	X	.003	4.75
8	MP ALPHA3	X	.003	3.25
9	MP BETA3	X	.005	4.75
10	MP BETA3	X	.005	3.25
11	MP GAMMA3	X	.005	4.75
12	MP GAMMA3	X	.005	3.25
13	MP ALPHA4	X	.002	3.75
14	MP ALPHA4	X	.002	1.25
15	MP BETA4	X	.006	3.75
16	MP BETA4	X	.006	1.25
17	MP GAMMA4	X	.006	3.75
18	MP GAMMA4	X	.006	1.25
19	MP ALPHA2	X	.006	6.917



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 24 : Maintenance (270)) (Continued)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
20	MP ALPHA2	X	.006	1.083
21	MP BETA2	X	.014	6.917
22	MP BETA2	X	.014	1.083
23	MP GAMMA2	X	.014	6.917
24	MP GAMMA2	X	.014	1.083
25	MP ALPHA2	X	.000355	4
26	MP BETA2	X	.000621	4
27	MP GAMMA2	X	.000621	4
28	MP ALPHA2	X	.00074	4
29	MP BETA2	X	.001	4
30	MP GAMMA2	X	.001	4
31	MP ALPHA4	X	.003	2.5
32	MP BETA4	X	.004	2.5
33	MP GAMMA4	X	.004	2.5
34	MP ALPHA4	X	.001	2.5
35	MP BETA4	X	.002	2.5
36	MP GAMMA4	X	.002	2.5

Member Point Loads (BLC 25 : Maintenance (300))

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA1	Y	-.003	3.75
2	MP ALPHA1	Y	-.003	1.25
3	MP ALPHA1	X	.005	3.75
4	MP ALPHA1	X	.005	1.25
5	MP BETA1	Y	-.003	3.75
6	MP BETA1	Y	-.003	1.25
7	MP BETA1	X	.006	3.75
8	MP BETA1	X	.006	1.25
9	MP GAMMA1	Y	-.003	3.75
10	MP GAMMA1	Y	-.003	1.25
11	MP GAMMA1	X	.005	3.75
12	MP GAMMA1	X	.005	1.25
13	MP ALPHA3	Y	-.002	4.75
14	MP ALPHA3	Y	-.002	3.25
15	MP ALPHA3	X	.003	4.75
16	MP ALPHA3	X	.003	3.25
17	MP BETA3	Y	-.003	4.75
18	MP BETA3	Y	-.003	3.25
19	MP BETA3	X	.005	4.75
20	MP BETA3	X	.005	3.25
21	MP GAMMA3	Y	-.002	4.75
22	MP GAMMA3	Y	-.002	3.25
23	MP GAMMA3	X	.003	4.75
24	MP GAMMA3	X	.003	3.25
25	MP ALPHA4	Y	-.002	3.75
26	MP ALPHA4	Y	-.002	1.25
27	MP ALPHA4	X	.003	3.75
28	MP ALPHA4	X	.003	1.25
29	MP BETA4	Y	-.004	3.75
30	MP BETA4	Y	-.004	1.25
31	MP BETA4	X	.006	3.75
32	MP BETA4	X	.006	1.25
33	MP GAMMA4	Y	-.002	3.75
34	MP GAMMA4	Y	-.002	1.25
35	MP GAMMA4	X	.003	3.75
36	MP GAMMA4	X	.003	1.25



Member Point Loads (BLC 25 : Maintenance (300)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
37	MP ALPHA2	Y	-.004	6.917
38	MP ALPHA2	Y	-.004	1.083
39	MP ALPHA2	X	.007	6.917
40	MP ALPHA2	X	.007	1.083
41	MP BETA2	Y	-.008	6.917
42	MP BETA2	Y	-.008	1.083
43	MP BETA2	X	.014	6.917
44	MP BETA2	X	.014	1.083
45	MP GAMMA2	Y	-.004	6.917
46	MP GAMMA2	Y	-.004	1.083
47	MP GAMMA2	X	.007	6.917
48	MP GAMMA2	X	.007	1.083
49	MP ALPHA2	Y	-.000222	4
50	MP ALPHA2	X	.000384	4
51	MP BETA2	Y	-.000355	4
52	MP BETA2	X	.000615	4
53	MP GAMMA2	Y	-.000222	4
54	MP GAMMA2	X	.000384	4
55	MP ALPHA2	Y	-.000419	4
56	MP ALPHA2	X	.000726	4
57	MP BETA2	Y	-.000567	4
58	MP BETA2	X	.000982	4
59	MP GAMMA2	Y	-.000419	4
60	MP GAMMA2	X	.000726	4
61	MP ALPHA4	Y	-.002	2.5
62	MP ALPHA4	X	.003	2.5
63	MP BETA4	Y	-.002	2.5
64	MP BETA4	X	.003	2.5
65	MP GAMMA4	Y	-.002	2.5
66	MP GAMMA4	X	.003	2.5
67	MP ALPHA4	Y	-.000737	2.5
68	MP ALPHA4	X	.001	2.5
69	MP BETA4	Y	-.000957	2.5
70	MP BETA4	X	.002	2.5
71	MP GAMMA4	Y	-.000737	2.5
72	MP GAMMA4	X	.001	2.5

Member Point Loads (BLC 26 : Maintenance (330))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.006	3.75
2	MP ALPHA1	Y	-.006	1.25
3	MP ALPHA1	X	.003	3.75
4	MP ALPHA1	X	.003	1.25
5	MP BETA1	Y	-.006	3.75
6	MP BETA1	Y	-.006	1.25
7	MP BETA1	X	.003	3.75
8	MP BETA1	X	.003	1.25
9	MP GAMMA1	Y	-.004	3.75
10	MP GAMMA1	Y	-.004	1.25
11	MP GAMMA1	X	.003	3.75
12	MP GAMMA1	X	.003	1.25
13	MP ALPHA3	Y	-.004	4.75
14	MP ALPHA3	Y	-.004	3.25
15	MP ALPHA3	X	.002	4.75
16	MP ALPHA3	X	.002	3.25
17	MP BETA3	Y	-.004	4.75



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 26 : Maintenance (330)) (Continued)

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
18	MP BETA3	Y	-.004	3.25
19	MP BETA3	X	.002	4.75
20	MP BETA3	X	.002	3.25
21	MP GAMMA3	Y	-.002	4.75
22	MP GAMMA3	Y	-.002	3.25
23	MP GAMMA3	X	.001	4.75
24	MP GAMMA3	X	.001	3.25
25	MP ALPHA4	Y	-.005	3.75
26	MP ALPHA4	Y	-.005	1.25
27	MP ALPHA4	X	.003	3.75
28	MP ALPHA4	X	.003	1.25
29	MP BETA4	Y	-.005	3.75
30	MP BETA4	Y	-.005	1.25
31	MP BETA4	X	.003	3.75
32	MP BETA4	X	.003	1.25
33	MP GAMMA4	Y	-.001	3.75
34	MP GAMMA4	Y	-.001	1.25
35	MP GAMMA4	X	.000844	3.75
36	MP GAMMA4	X	.000844	1.25
37	MP ALPHA2	Y	-.012	6.917
38	MP ALPHA2	Y	-.012	1.083
39	MP ALPHA2	X	.007	6.917
40	MP ALPHA2	X	.007	1.083
41	MP BETA2	Y	-.012	6.917
42	MP BETA2	Y	-.012	1.083
43	MP BETA2	X	.007	6.917
44	MP BETA2	X	.007	1.083
45	MP GAMMA2	Y	-.005	6.917
46	MP GAMMA2	Y	-.005	1.083
47	MP GAMMA2	X	.003	6.917
48	MP GAMMA2	X	.003	1.083
49	MP ALPHA2	Y	-.000538	4
50	MP ALPHA2	X	.00031	4
51	MP BETA2	Y	-.000538	4
52	MP BETA2	X	.00031	4
53	MP GAMMA2	Y	-.000307	4
54	MP GAMMA2	X	.000177	4
55	MP ALPHA2	Y	-.000897	4
56	MP ALPHA2	X	.000518	4
57	MP BETA2	Y	-.000897	4
58	MP BETA2	X	.000518	4
59	MP GAMMA2	Y	-.000641	4
60	MP GAMMA2	X	.00037	4
61	MP ALPHA4	Y	-.003	2.5
62	MP ALPHA4	X	.002	2.5
63	MP BETA4	Y	-.003	2.5
64	MP BETA4	X	.002	2.5
65	MP GAMMA4	Y	-.003	2.5
66	MP GAMMA4	X	.002	2.5
67	MP ALPHA4	Y	-.002	2.5
68	MP ALPHA4	X	.000884	2.5
69	MP BETA4	Y	-.002	2.5
70	MP BETA4	X	.000884	2.5
71	MP GAMMA4	Y	-.001	2.5
72	MP GAMMA4	X	.000664	2.5

Member Point Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-058	3.75
2	MP ALPHA1	Z	-058	1.25
3	MP BETA1	Z	-058	3.75
4	MP BETA1	Z	-058	1.25
5	MP GAMMA1	Z	-058	3.75
6	MP GAMMA1	Z	-058	1.25
7	MP ALPHA3	Z	-048	4.75
8	MP ALPHA3	Z	-048	3.25
9	MP BETA3	Z	-048	4.75
10	MP BETA3	Z	-048	3.25
11	MP GAMMA3	Z	-048	4.75
12	MP GAMMA3	Z	-048	3.25
13	MP ALPHA4	Z	-044	3.75
14	MP ALPHA4	Z	-044	1.25
15	MP BETA4	Z	-044	3.75
16	MP BETA4	Z	-044	1.25
17	MP GAMMA4	Z	-044	3.75
18	MP GAMMA4	Z	-044	1.25
19	MP ALPHA2	Z	-134	6.917
20	MP ALPHA2	Z	-134	1.083
21	MP BETA2	Z	-134	6.917
22	MP BETA2	Z	-134	1.083
23	MP GAMMA2	Z	-134	6.917
24	MP GAMMA2	Z	-134	1.083
25	MP ALPHA2	Z	-009	4
26	MP BETA2	Z	-009	4
27	MP GAMMA2	Z	-009	4
28	MP ALPHA2	Z	-014	4
29	MP BETA2	Z	-014	4
30	MP GAMMA2	Z	-014	4
31	MP ALPHA4	Z	-049	2.5
32	MP BETA4	Z	-049	2.5
33	MP GAMMA4	Z	-049	2.5
34	MP ALPHA4	Z	-032	2.5
35	MP BETA4	Z	-032	2.5
36	MP GAMMA4	Z	-032	2.5

Member Point Loads (BLC 28 : Ice Wind Load (0))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-013	3.75
2	MP ALPHA1	Y	-013	1.25
3	MP BETA1	Y	-011	3.75
4	MP BETA1	Y	-011	1.25
5	MP GAMMA1	Y	-011	3.75
6	MP GAMMA1	Y	-011	1.25
7	MP ALPHA3	Y	-011	4.75
8	MP ALPHA3	Y	-011	3.25
9	MP BETA3	Y	-007	4.75
10	MP BETA3	Y	-007	3.25
11	MP GAMMA3	Y	-007	4.75
12	MP GAMMA3	Y	-007	3.25
13	MP ALPHA4	Y	-021	3.75
14	MP ALPHA4	Y	-021	1.25
15	MP BETA4	Y	-011	3.75
16	MP BETA4	Y	-011	1.25
17	MP GAMMA4	Y	-011	3.75



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 28 : Ice Wind Load (0)) (Continued)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
18	MP GAMMA4	Y	-.011	1.25
19	MP ALPHA2	Y	-.046	6.917
20	MP ALPHA2	Y	-.046	1.083
21	MP BETA2	Y	-.026	6.917
22	MP BETA2	Y	-.026	1.083
23	MP GAMMA2	Y	-.026	6.917
24	MP GAMMA2	Y	-.026	1.083
25	MP ALPHA2	Y	-.002	4
26	MP BETA2	Y	-.002	4
27	MP GAMMA2	Y	-.002	4
28	MP ALPHA2	Y	-.003	4
29	MP BETA2	Y	-.002	4
30	MP GAMMA2	Y	-.002	4
31	MP ALPHA4	Y	-.009	2.5
32	MP BETA4	Y	-.008	2.5
33	MP GAMMA4	Y	-.008	2.5
34	MP ALPHA4	Y	-.01	2.5
35	MP BETA4	Y	-.008	2.5
36	MP GAMMA4	Y	-.008	2.5

Member Point Loads (BLC 29 : Ice Wind Load (30))

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA1	Y	-.011	3.75
2	MP ALPHA1	Y	-.011	1.25
3	MP ALPHA1	X	-.006	3.75
4	MP ALPHA1	X	-.006	1.25
5	MP BETA1	Y	-.009	3.75
6	MP BETA1	Y	-.009	1.25
7	MP BETA1	X	-.005	3.75
8	MP BETA1	X	-.005	1.25
9	MP GAMMA1	Y	-.011	3.75
10	MP GAMMA1	Y	-.011	1.25
11	MP GAMMA1	X	-.006	3.75
12	MP GAMMA1	X	-.006	1.25
13	MP ALPHA3	Y	-.008	4.75
14	MP ALPHA3	Y	-.008	3.25
15	MP ALPHA3	X	-.005	4.75
16	MP ALPHA3	X	-.005	3.25
17	MP BETA3	Y	-.005	4.75
18	MP BETA3	Y	-.005	3.25
19	MP BETA3	X	-.003	4.75
20	MP BETA3	X	-.003	3.25
21	MP GAMMA3	Y	-.008	4.75
22	MP GAMMA3	Y	-.008	3.25
23	MP GAMMA3	X	-.005	4.75
24	MP GAMMA3	X	-.005	3.25
25	MP ALPHA4	Y	-.016	3.75
26	MP ALPHA4	Y	-.016	1.25
27	MP ALPHA4	X	-.009	3.75
28	MP ALPHA4	X	-.009	1.25
29	MP BETA4	Y	-.007	3.75
30	MP BETA4	Y	-.007	1.25
31	MP BETA4	X	-.004	3.75
32	MP BETA4	X	-.004	1.25
33	MP GAMMA4	Y	-.016	3.75
34	MP GAMMA4	Y	-.016	1.25

Member Point Loads (BLC 29 : Ice Wind Load (30)) (Continued)

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
35	MP GAMMA4	X	-0.009	3.75
36	MP GAMMA4	X	-0.009	1.25
37	MP ALPHA2	Y	-0.034	6.917
38	MP ALPHA2	Y	-0.034	1.083
39	MP ALPHA2	X	-0.02	6.917
40	MP ALPHA2	X	-0.02	1.083
41	MP BETA2	Y	-0.017	6.917
42	MP BETA2	Y	-0.017	1.083
43	MP BETA2	X	-0.01	6.917
44	MP BETA2	X	-0.01	1.083
45	MP GAMMA2	Y	-0.034	6.917
46	MP GAMMA2	Y	-0.034	1.083
47	MP GAMMA2	X	-0.02	6.917
48	MP GAMMA2	X	-0.02	1.083
49	MP ALPHA2	Y	-0.002	4
50	MP ALPHA2	X	-0.000962	4
51	MP BETA2	Y	-0.001	4
52	MP BETA2	X	-0.000676	4
53	MP GAMMA2	Y	-0.002	4
54	MP GAMMA2	X	-0.000962	4
55	MP ALPHA2	Y	-0.002	4
56	MP ALPHA2	X	-0.001	4
57	MP BETA2	Y	-0.002	4
58	MP BETA2	X	-0.001	4
59	MP GAMMA2	Y	-0.002	4
60	MP GAMMA2	X	-0.001	4
61	MP ALPHA4	Y	-0.007	2.5
62	MP ALPHA4	X	-0.004	2.5
63	MP BETA4	Y	-0.006	2.5
64	MP BETA4	X	-0.004	2.5
65	MP GAMMA4	Y	-0.007	2.5
66	MP GAMMA4	X	-0.004	2.5
67	MP ALPHA4	Y	-0.008	2.5
68	MP ALPHA4	X	-0.005	2.5
69	MP BETA4	Y	-0.007	2.5
70	MP BETA4	X	-0.004	2.5
71	MP GAMMA4	Y	-0.008	2.5
72	MP GAMMA4	X	-0.005	2.5

Member Point Loads (BLC 30 : Ice Wind Load (60))

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP ALPHA1	Y	-0.005	3.75
2	MP ALPHA1	Y	-0.005	1.25
3	MP ALPHA1	X	-0.009	3.75
4	MP ALPHA1	X	-0.009	1.25
5	MP BETA1	Y	-0.005	3.75
6	MP BETA1	Y	-0.005	1.25
7	MP BETA1	X	-0.009	3.75
8	MP BETA1	X	-0.009	1.25
9	MP GAMMA1	Y	-0.007	3.75
10	MP GAMMA1	Y	-0.007	1.25
11	MP GAMMA1	X	-0.012	3.75
12	MP GAMMA1	X	-0.012	1.25
13	MP ALPHA3	Y	-0.003	4.75
14	MP ALPHA3	Y	-0.003	3.25
15	MP ALPHA3	X	-0.006	4.75



Member Point Loads (BLC 30 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
16	MP ALPHA3	X	-0.06	3.25
17	MP BETA3	Y	-0.03	4.75
18	MP BETA3	Y	-0.03	3.25
19	MP BETA3	X	-0.06	4.75
20	MP BETA3	X	-0.06	3.25
21	MP GAMMA3	Y	-0.06	4.75
22	MP GAMMA3	Y	-0.06	3.25
23	MP GAMMA3	X	-0.01	4.75
24	MP GAMMA3	X	-0.01	3.25
25	MP ALPHA4	Y	-0.06	3.75
26	MP ALPHA4	Y	-0.06	1.25
27	MP ALPHA4	X	-0.01	3.75
28	MP ALPHA4	X	-0.01	1.25
29	MP BETA4	Y	-0.06	3.75
30	MP BETA4	Y	-0.06	1.25
31	MP BETA4	X	-0.01	3.75
32	MP BETA4	X	-0.01	1.25
33	MP GAMMA4	Y	-0.11	3.75
34	MP GAMMA4	Y	-0.11	1.25
35	MP GAMMA4	X	-0.19	3.75
36	MP GAMMA4	X	-0.19	1.25
37	MP ALPHA2	Y	-0.13	6.917
38	MP ALPHA2	Y	-0.13	1.083
39	MP ALPHA2	X	-0.23	6.917
40	MP ALPHA2	X	-0.23	1.083
41	MP BETA2	Y	-0.13	6.917
42	MP BETA2	Y	-0.13	1.083
43	MP BETA2	X	-0.23	6.917
44	MP BETA2	X	-0.23	1.083
45	MP GAMMA2	Y	-0.23	6.917
46	MP GAMMA2	Y	-0.23	1.083
47	MP GAMMA2	X	-0.04	6.917
48	MP GAMMA2	X	-0.04	1.083
49	MP ALPHA2	Y	-0.00772	4
50	MP ALPHA2	X	-0.001	4
51	MP BETA2	Y	-0.00772	4
52	MP BETA2	X	-0.001	4
53	MP GAMMA2	Y	-0.001	4
54	MP GAMMA2	X	-0.002	4
55	MP ALPHA2	Y	-0.001	4
56	MP ALPHA2	X	-0.002	4
57	MP BETA2	Y	-0.001	4
58	MP BETA2	X	-0.002	4
59	MP GAMMA2	Y	-0.002	4
60	MP GAMMA2	X	-0.003	4
61	MP ALPHA4	Y	-0.004	2.5
62	MP ALPHA4	X	-0.006	2.5
63	MP BETA4	Y	-0.004	2.5
64	MP BETA4	X	-0.006	2.5
65	MP GAMMA4	Y	-0.004	2.5
66	MP GAMMA4	X	-0.007	2.5
67	MP ALPHA4	Y	-0.004	2.5
68	MP ALPHA4	X	-0.007	2.5
69	MP BETA4	Y	-0.004	2.5
70	MP BETA4	X	-0.007	2.5
71	MP GAMMA4	Y	-0.005	2.5
72	MP GAMMA4	X	-0.008	2.5



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 31 : Ice Wind Load (90))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.01	3.75
2	MP ALPHA1	X	-.01	1.25
3	MP BETA1	X	-.013	3.75
4	MP BETA1	X	-.013	1.25
5	MP GAMMA1	X	-.013	3.75
6	MP GAMMA1	X	-.013	1.25
7	MP ALPHA3	X	-.005	4.75
8	MP ALPHA3	X	-.005	3.25
9	MP BETA3	X	-.01	4.75
10	MP BETA3	X	-.01	3.25
11	MP GAMMA3	X	-.01	4.75
12	MP GAMMA3	X	-.01	3.25
13	MP ALPHA4	X	-.008	3.75
14	MP ALPHA4	X	-.008	1.25
15	MP BETA4	X	-.018	3.75
16	MP BETA4	X	-.018	1.25
17	MP GAMMA4	X	-.018	3.75
18	MP GAMMA4	X	-.018	1.25
19	MP ALPHA2	X	-.019	6.917
20	MP ALPHA2	X	-.019	1.083
21	MP BETA2	X	-.04	6.917
22	MP BETA2	X	-.04	1.083
23	MP GAMMA2	X	-.04	6.917
24	MP GAMMA2	X	-.04	1.083
25	MP ALPHA2	X	-.001	4
26	MP BETA2	X	-.002	4
27	MP GAMMA2	X	-.002	4
28	MP ALPHA2	X	-.002	4
29	MP BETA2	X	-.003	4
30	MP GAMMA2	X	-.003	4
31	MP ALPHA4	X	-.007	2.5
32	MP BETA4	X	-.008	2.5
33	MP GAMMA4	X	-.008	2.5
34	MP ALPHA4	X	-.008	2.5
35	MP BETA4	X	-.009	2.5
36	MP GAMMA4	X	-.009	2.5

Member Point Loads (BLC 32 : Ice Wind Load (120))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.005	3.75
2	MP ALPHA1	Y	.005	1.25
3	MP ALPHA1	X	-.009	3.75
4	MP ALPHA1	X	-.009	1.25
5	MP BETA1	Y	.007	3.75
6	MP BETA1	Y	.007	1.25
7	MP BETA1	X	-.012	3.75
8	MP BETA1	X	-.012	1.25
9	MP GAMMA1	Y	.005	3.75
10	MP GAMMA1	Y	.005	1.25
11	MP GAMMA1	X	-.009	3.75
12	MP GAMMA1	X	-.009	1.25
13	MP ALPHA3	Y	.003	4.75
14	MP ALPHA3	Y	.003	3.25
15	MP ALPHA3	X	-.006	4.75
16	MP ALPHA3	X	-.006	3.25
17	MP BETA3	Y	.006	4.75



Member Point Loads (BLC 32 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
18	MP BETA3	Y	.006	3.25
19	MP BETA3	X	-.01	4.75
20	MP BETA3	X	-.01	3.25
21	MP GAMMA3	Y	.003	4.75
22	MP GAMMA3	Y	.003	3.25
23	MP GAMMA3	X	-.006	4.75
24	MP GAMMA3	X	-.006	3.25
25	MP ALPHA4	Y	.006	3.75
26	MP ALPHA4	Y	.006	1.25
27	MP ALPHA4	X	-.01	3.75
28	MP ALPHA4	X	-.01	1.25
29	MP BETA4	Y	.011	3.75
30	MP BETA4	Y	.011	1.25
31	MP BETA4	X	-.019	3.75
32	MP BETA4	X	-.019	1.25
33	MP GAMMA4	Y	.006	3.75
34	MP GAMMA4	Y	.006	1.25
35	MP GAMMA4	X	-.01	3.75
36	MP GAMMA4	X	-.01	1.25
37	MP ALPHA2	Y	.013	6.917
38	MP ALPHA2	Y	.013	1.083
39	MP ALPHA2	X	-.023	6.917
40	MP ALPHA2	X	-.023	1.083
41	MP BETA2	Y	.023	6.917
42	MP BETA2	Y	.023	1.083
43	MP BETA2	X	-.04	6.917
44	MP BETA2	X	-.04	1.083
45	MP GAMMA2	Y	.013	6.917
46	MP GAMMA2	Y	.013	1.083
47	MP GAMMA2	X	-.023	6.917
48	MP GAMMA2	X	-.023	1.083
49	MP ALPHA2	Y	.000772	4
50	MP ALPHA2	X	-.001	4
51	MP BETA2	Y	.001	4
52	MP BETA2	X	-.002	4
53	MP GAMMA2	Y	.000772	4
54	MP GAMMA2	X	-.001	4
55	MP ALPHA2	Y	.001	4
56	MP ALPHA2	X	-.002	4
57	MP BETA2	Y	.002	4
58	MP BETA2	X	-.003	4
59	MP GAMMA2	Y	.001	4
60	MP GAMMA2	X	-.002	4
61	MP ALPHA4	Y	.004	2.5
62	MP ALPHA4	X	-.006	2.5
63	MP BETA4	Y	.004	2.5
64	MP BETA4	X	-.007	2.5
65	MP GAMMA4	Y	.004	2.5
66	MP GAMMA4	X	-.006	2.5
67	MP ALPHA4	Y	.004	2.5
68	MP ALPHA4	X	-.007	2.5
69	MP BETA4	Y	.005	2.5
70	MP BETA4	X	-.008	2.5
71	MP GAMMA4	Y	.004	2.5
72	MP GAMMA4	X	-.007	2.5



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 33 : Ice Wind Load (150))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.011	3.75
2	MP ALPHA1	Y	.011	1.25
3	MP ALPHA1	X	-.006	3.75
4	MP ALPHA1	X	-.006	1.25
5	MP BETA1	Y	.011	3.75
6	MP BETA1	Y	.011	1.25
7	MP BETA1	X	-.006	3.75
8	MP BETA1	X	-.006	1.25
9	MP GAMMA1	Y	.009	3.75
10	MP GAMMA1	Y	.009	1.25
11	MP GAMMA1	X	-.005	3.75
12	MP GAMMA1	X	-.005	1.25
13	MP ALPHA3	Y	.008	4.75
14	MP ALPHA3	Y	.008	3.25
15	MP ALPHA3	X	-.005	4.75
16	MP ALPHA3	X	-.005	3.25
17	MP BETA3	Y	.008	4.75
18	MP BETA3	Y	.008	3.25
19	MP BETA3	X	-.005	4.75
20	MP BETA3	X	-.005	3.25
21	MP GAMMA3	Y	.005	4.75
22	MP GAMMA3	Y	.005	3.25
23	MP GAMMA3	X	-.003	4.75
24	MP GAMMA3	X	-.003	3.25
25	MP ALPHA4	Y	.016	3.75
26	MP ALPHA4	Y	.016	1.25
27	MP ALPHA4	X	-.009	3.75
28	MP ALPHA4	X	-.009	1.25
29	MP BETA4	Y	.016	3.75
30	MP BETA4	Y	.016	1.25
31	MP BETA4	X	-.009	3.75
32	MP BETA4	X	-.009	1.25
33	MP GAMMA4	Y	.007	3.75
34	MP GAMMA4	Y	.007	1.25
35	MP GAMMA4	X	-.004	3.75
36	MP GAMMA4	X	-.004	1.25
37	MP ALPHA2	Y	.034	6.917
38	MP ALPHA2	Y	.034	1.083
39	MP ALPHA2	X	-.02	6.917
40	MP ALPHA2	X	-.02	1.083
41	MP BETA2	Y	.034	6.917
42	MP BETA2	Y	.034	1.083
43	MP BETA2	X	-.02	6.917
44	MP BETA2	X	-.02	1.083
45	MP GAMMA2	Y	.017	6.917
46	MP GAMMA2	Y	.017	1.083
47	MP GAMMA2	X	-.01	6.917
48	MP GAMMA2	X	-.01	1.083
49	MP ALPHA2	Y	.002	4
50	MP ALPHA2	X	-.000962	4
51	MP BETA2	Y	.002	4
52	MP BETA2	X	-.000962	4
53	MP GAMMA2	Y	.001	4
54	MP GAMMA2	X	-.000676	4
55	MP ALPHA2	Y	.002	4
56	MP ALPHA2	X	-.001	4
57	MP BETA2	Y	.002	4



Member Point Loads (BLC 33 : Ice Wind Load (150)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP BETA2	X	-.001	4
59	MP GAMMA2	Y	.002	4
60	MP GAMMA2	X	-.001	4
61	MP ALPHA4	Y	.007	2.5
62	MP ALPHA4	X	-.004	2.5
63	MP BETA4	Y	.007	2.5
64	MP BETA4	X	-.004	2.5
65	MP GAMMA4	Y	.006	2.5
66	MP GAMMA4	X	-.004	2.5
67	MP ALPHA4	Y	.008	2.5
68	MP ALPHA4	X	-.005	2.5
69	MP BETA4	Y	.008	2.5
70	MP BETA4	X	-.005	2.5
71	MP GAMMA4	Y	.007	2.5
72	MP GAMMA4	X	-.004	2.5

Member Point Loads (BLC 34 : Ice Wind Load (180))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.013	3.75
2	MP ALPHA1	Y	.013	1.25
3	MP BETA1	Y	.011	3.75
4	MP BETA1	Y	.011	1.25
5	MP GAMMA1	Y	.011	3.75
6	MP GAMMA1	Y	.011	1.25
7	MP ALPHA3	Y	.011	4.75
8	MP ALPHA3	Y	.011	3.25
9	MP BETA3	Y	.007	4.75
10	MP BETA3	Y	.007	3.25
11	MP GAMMA3	Y	.007	4.75
12	MP GAMMA3	Y	.007	3.25
13	MP ALPHA4	Y	.021	3.75
14	MP ALPHA4	Y	.021	1.25
15	MP BETA4	Y	.011	3.75
16	MP BETA4	Y	.011	1.25
17	MP GAMMA4	Y	.011	3.75
18	MP GAMMA4	Y	.011	1.25
19	MP ALPHA2	Y	.046	6.917
20	MP ALPHA2	Y	.046	1.083
21	MP BETA2	Y	.026	6.917
22	MP BETA2	Y	.026	1.083
23	MP GAMMA2	Y	.026	6.917
24	MP GAMMA2	Y	.026	1.083
25	MP ALPHA2	Y	.002	4
26	MP BETA2	Y	.002	4
27	MP GAMMA2	Y	.002	4
28	MP ALPHA2	Y	.003	4
29	MP BETA2	Y	.002	4
30	MP GAMMA2	Y	.002	4
31	MP ALPHA4	Y	.009	2.5
32	MP BETA4	Y	.008	2.5
33	MP GAMMA4	Y	.008	2.5
34	MP ALPHA4	Y	.01	2.5
35	MP BETA4	Y	.008	2.5
36	MP GAMMA4	Y	.008	2.5



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 35 : Ice Wind Load (210))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.011	3.75
2	MP ALPHA1	Y	.011	1.25
3	MP ALPHA1	X	.006	3.75
4	MP ALPHA1	X	.006	1.25
5	MP BETA1	Y	.009	3.75
6	MP BETA1	Y	.009	1.25
7	MP BETA1	X	.005	3.75
8	MP BETA1	X	.005	1.25
9	MP GAMMA1	Y	.011	3.75
10	MP GAMMA1	Y	.011	1.25
11	MP GAMMA1	X	.006	3.75
12	MP GAMMA1	X	.006	1.25
13	MP ALPHA3	Y	.008	4.75
14	MP ALPHA3	Y	.008	3.25
15	MP ALPHA3	X	.005	4.75
16	MP ALPHA3	X	.005	3.25
17	MP BETA3	Y	.005	4.75
18	MP BETA3	Y	.005	3.25
19	MP BETA3	X	.003	4.75
20	MP BETA3	X	.003	3.25
21	MP GAMMA3	Y	.008	4.75
22	MP GAMMA3	Y	.008	3.25
23	MP GAMMA3	X	.005	4.75
24	MP GAMMA3	X	.005	3.25
25	MP ALPHA4	Y	.016	3.75
26	MP ALPHA4	Y	.016	1.25
27	MP ALPHA4	X	.009	3.75
28	MP ALPHA4	X	.009	1.25
29	MP BETA4	Y	.007	3.75
30	MP BETA4	Y	.007	1.25
31	MP BETA4	X	.004	3.75
32	MP BETA4	X	.004	1.25
33	MP GAMMA4	Y	.016	3.75
34	MP GAMMA4	Y	.016	1.25
35	MP GAMMA4	X	.009	3.75
36	MP GAMMA4	X	.009	1.25
37	MP ALPHA2	Y	.034	6.917
38	MP ALPHA2	Y	.034	1.083
39	MP ALPHA2	X	.02	6.917
40	MP ALPHA2	X	.02	1.083
41	MP BETA2	Y	.017	6.917
42	MP BETA2	Y	.017	1.083
43	MP BETA2	X	.01	6.917
44	MP BETA2	X	.01	1.083
45	MP GAMMA2	Y	.034	6.917
46	MP GAMMA2	Y	.034	1.083
47	MP GAMMA2	X	.02	6.917
48	MP GAMMA2	X	.02	1.083
49	MP ALPHA2	Y	.002	4
50	MP ALPHA2	X	.000962	4
51	MP BETA2	Y	.001	4
52	MP BETA2	X	.000676	4
53	MP GAMMA2	Y	.002	4
54	MP GAMMA2	X	.000962	4
55	MP ALPHA2	Y	.002	4
56	MP ALPHA2	X	.001	4
57	MP BETA2	Y	.002	4



Member Point Loads (BLC 35 : Ice Wind Load (210)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP BETA2	X	.001	4
59	MP GAMMA2	Y	.002	4
60	MP GAMMA2	X	.001	4
61	MP ALPHA4	Y	.007	2.5
62	MP ALPHA4	X	.004	2.5
63	MP BETA4	Y	.006	2.5
64	MP BETA4	X	.004	2.5
65	MP GAMMA4	Y	.007	2.5
66	MP GAMMA4	X	.004	2.5
67	MP ALPHA4	Y	.008	2.5
68	MP ALPHA4	X	.005	2.5
69	MP BETA4	Y	.007	2.5
70	MP BETA4	X	.004	2.5
71	MP GAMMA4	Y	.008	2.5
72	MP GAMMA4	X	.005	2.5

Member Point Loads (BLC 36 : Ice Wind Load (240))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.005	3.75
2	MP ALPHA1	Y	.005	1.25
3	MP ALPHA1	X	.009	3.75
4	MP ALPHA1	X	.009	1.25
5	MP BETA1	Y	.005	3.75
6	MP BETA1	Y	.005	1.25
7	MP BETA1	X	.009	3.75
8	MP BETA1	X	.009	1.25
9	MP GAMMA1	Y	.007	3.75
10	MP GAMMA1	Y	.007	1.25
11	MP GAMMA1	X	.012	3.75
12	MP GAMMA1	X	.012	1.25
13	MP ALPHA3	Y	.003	4.75
14	MP ALPHA3	Y	.003	3.25
15	MP ALPHA3	X	.006	4.75
16	MP ALPHA3	X	.006	3.25
17	MP BETA3	Y	.003	4.75
18	MP BETA3	Y	.003	3.25
19	MP BETA3	X	.006	4.75
20	MP BETA3	X	.006	3.25
21	MP GAMMA3	Y	.006	4.75
22	MP GAMMA3	Y	.006	3.25
23	MP GAMMA3	X	.01	4.75
24	MP GAMMA3	X	.01	3.25
25	MP ALPHA4	Y	.006	3.75
26	MP ALPHA4	Y	.006	1.25
27	MP ALPHA4	X	.01	3.75
28	MP ALPHA4	X	.01	1.25
29	MP BETA4	Y	.006	3.75
30	MP BETA4	Y	.006	1.25
31	MP BETA4	X	.01	3.75
32	MP BETA4	X	.01	1.25
33	MP GAMMA4	Y	.011	3.75
34	MP GAMMA4	Y	.011	1.25
35	MP GAMMA4	X	.019	3.75
36	MP GAMMA4	X	.019	1.25
37	MP ALPHA2	Y	.013	6.917
38	MP ALPHA2	Y	.013	1.083



Member Point Loads (BLC 36 : Ice Wind Load (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP ALPHA2	X	.023	6.917
40	MP ALPHA2	X	.023	1.083
41	MP BETA2	Y	.013	6.917
42	MP BETA2	Y	.013	1.083
43	MP BETA2	X	.023	6.917
44	MP BETA2	X	.023	1.083
45	MP GAMMA2	Y	.023	6.917
46	MP GAMMA2	Y	.023	1.083
47	MP GAMMA2	X	.04	6.917
48	MP GAMMA2	X	.04	1.083
49	MP ALPHA2	Y	.000772	4
50	MP ALPHA2	X	.001	4
51	MP BETA2	Y	.000772	4
52	MP BETA2	X	.001	4
53	MP GAMMA2	Y	.001	4
54	MP GAMMA2	X	.002	4
55	MP ALPHA2	Y	.001	4
56	MP ALPHA2	X	.002	4
57	MP BETA2	Y	.001	4
58	MP BETA2	X	.002	4
59	MP GAMMA2	Y	.002	4
60	MP GAMMA2	X	.003	4
61	MP ALPHA4	Y	.004	2.5
62	MP ALPHA4	X	.006	2.5
63	MP BETA4	Y	.004	2.5
64	MP BETA4	X	.006	2.5
65	MP GAMMA4	Y	.004	2.5
66	MP GAMMA4	X	.007	2.5
67	MP ALPHA4	Y	.004	2.5
68	MP ALPHA4	X	.007	2.5
69	MP BETA4	Y	.004	2.5
70	MP BETA4	X	.007	2.5
71	MP GAMMA4	Y	.005	2.5
72	MP GAMMA4	X	.008	2.5

Member Point Loads (BLC 37 : Ice Wind Load (270))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.01	3.75
2	MP ALPHA1	X	.01	1.25
3	MP BETA1	X	.013	3.75
4	MP BETA1	X	.013	1.25
5	MP GAMMA1	X	.013	3.75
6	MP GAMMA1	X	.013	1.25
7	MP ALPHA3	X	.005	4.75
8	MP ALPHA3	X	.005	3.25
9	MP BETA3	X	.01	4.75
10	MP BETA3	X	.01	3.25
11	MP GAMMA3	X	.01	4.75
12	MP GAMMA3	X	.01	3.25
13	MP ALPHA4	X	.008	3.75
14	MP ALPHA4	X	.008	1.25
15	MP BETA4	X	.018	3.75
16	MP BETA4	X	.018	1.25
17	MP GAMMA4	X	.018	3.75
18	MP GAMMA4	X	.018	1.25
19	MP ALPHA2	X	.019	6.917



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 37 : Ice Wind Load (270)) (Continued)

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
20	MP ALPHA2	X	.019	1.083
21	MP BETA2	X	.04	6.917
22	MP BETA2	X	.04	1.083
23	MP GAMMA2	X	.04	6.917
24	MP GAMMA2	X	.04	1.083
25	MP ALPHA2	X	.001	4
26	MP BETA2	X	.002	4
27	MP GAMMA2	X	.002	4
28	MP ALPHA2	X	.002	4
29	MP BETA2	X	.003	4
30	MP GAMMA2	X	.003	4
31	MP ALPHA4	X	.007	2.5
32	MP BETA4	X	.008	2.5
33	MP GAMMA4	X	.008	2.5
34	MP ALPHA4	X	.008	2.5
35	MP BETA4	X	.009	2.5
36	MP GAMMA4	X	.009	2.5

Member Point Loads (BLC 38 : Ice Wind Load (300))

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP ALPHA1	Y	-.005	3.75
2	MP ALPHA1	Y	-.005	1.25
3	MP ALPHA1	X	.009	3.75
4	MP ALPHA1	X	.009	1.25
5	MP BETA1	Y	-.007	3.75
6	MP BETA1	Y	-.007	1.25
7	MP BETA1	X	.012	3.75
8	MP BETA1	X	.012	1.25
9	MP GAMMA1	Y	-.005	3.75
10	MP GAMMA1	Y	-.005	1.25
11	MP GAMMA1	X	.009	3.75
12	MP GAMMA1	X	.009	1.25
13	MP ALPHA3	Y	-.003	4.75
14	MP ALPHA3	Y	-.003	3.25
15	MP ALPHA3	X	.006	4.75
16	MP ALPHA3	X	.006	3.25
17	MP BETA3	Y	-.006	4.75
18	MP BETA3	Y	-.006	3.25
19	MP BETA3	X	.01	4.75
20	MP BETA3	X	.01	3.25
21	MP GAMMA3	Y	-.003	4.75
22	MP GAMMA3	Y	-.003	3.25
23	MP GAMMA3	X	.006	4.75
24	MP GAMMA3	X	.006	3.25
25	MP ALPHA4	Y	-.006	3.75
26	MP ALPHA4	Y	-.006	1.25
27	MP ALPHA4	X	.01	3.75
28	MP ALPHA4	X	.01	1.25
29	MP BETA4	Y	-.011	3.75
30	MP BETA4	Y	-.011	1.25
31	MP BETA4	X	.019	3.75
32	MP BETA4	X	.019	1.25
33	MP GAMMA4	Y	-.006	3.75
34	MP GAMMA4	Y	-.006	1.25
35	MP GAMMA4	X	.01	3.75
36	MP GAMMA4	X	.01	1.25



Member Point Loads (BLC 38 : Ice Wind Load (300)) (Continued)

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
37	MP ALPHA2	Y	-.013	6.917
38	MP ALPHA2	Y	-.013	1.083
39	MP ALPHA2	X	.023	6.917
40	MP ALPHA2	X	.023	1.083
41	MP BETA2	Y	-.023	6.917
42	MP BETA2	Y	-.023	1.083
43	MP BETA2	X	.04	6.917
44	MP BETA2	X	.04	1.083
45	MP GAMMA2	Y	-.013	6.917
46	MP GAMMA2	Y	-.013	1.083
47	MP GAMMA2	X	.023	6.917
48	MP GAMMA2	X	.023	1.083
49	MP ALPHA2	Y	-.000772	4
50	MP ALPHA2	X	.001	4
51	MP BETA2	Y	-.001	4
52	MP BETA2	X	.002	4
53	MP GAMMA2	Y	-.000772	4
54	MP GAMMA2	X	.001	4
55	MP ALPHA2	Y	-.001	4
56	MP ALPHA2	X	.002	4
57	MP BETA2	Y	-.002	4
58	MP BETA2	X	.003	4
59	MP GAMMA2	Y	-.001	4
60	MP GAMMA2	X	.002	4
61	MP ALPHA4	Y	-.004	2.5
62	MP ALPHA4	X	.006	2.5
63	MP BETA4	Y	-.004	2.5
64	MP BETA4	X	.007	2.5
65	MP GAMMA4	Y	-.004	2.5
66	MP GAMMA4	X	.006	2.5
67	MP ALPHA4	Y	-.004	2.5
68	MP ALPHA4	X	.007	2.5
69	MP BETA4	Y	-.005	2.5
70	MP BETA4	X	.008	2.5
71	MP GAMMA4	Y	-.004	2.5
72	MP GAMMA4	X	.007	2.5

Member Point Loads (BLC 39 : Ice Wind Load (330))

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP ALPHA1	Y	-.011	3.75
2	MP ALPHA1	Y	-.011	1.25
3	MP ALPHA1	X	.006	3.75
4	MP ALPHA1	X	.006	1.25
5	MP BETA1	Y	-.011	3.75
6	MP BETA1	Y	-.011	1.25
7	MP BETA1	X	.006	3.75
8	MP BETA1	X	.006	1.25
9	MP GAMMA1	Y	-.009	3.75
10	MP GAMMA1	Y	-.009	1.25
11	MP GAMMA1	X	.005	3.75
12	MP GAMMA1	X	.005	1.25
13	MP ALPHA3	Y	-.008	4.75
14	MP ALPHA3	Y	-.008	3.25
15	MP ALPHA3	X	.005	4.75
16	MP ALPHA3	X	.005	3.25
17	MP BETA3	Y	-.008	4.75



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 39 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
18	MP BETA3	Y	-.008	3.25
19	MP BETA3	X	.005	4.75
20	MP BETA3	X	.005	3.25
21	MP GAMMA3	Y	-.005	4.75
22	MP GAMMA3	Y	-.005	3.25
23	MP GAMMA3	X	.003	4.75
24	MP GAMMA3	X	.003	3.25
25	MP ALPHA4	Y	-.016	3.75
26	MP ALPHA4	Y	-.016	1.25
27	MP ALPHA4	X	.009	3.75
28	MP ALPHA4	X	.009	1.25
29	MP BETA4	Y	-.016	3.75
30	MP BETA4	Y	-.016	1.25
31	MP BETA4	X	.009	3.75
32	MP BETA4	X	.009	1.25
33	MP GAMMA4	Y	-.007	3.75
34	MP GAMMA4	Y	-.007	1.25
35	MP GAMMA4	X	.004	3.75
36	MP GAMMA4	X	.004	1.25
37	MP ALPHA2	Y	-.034	6.917
38	MP ALPHA2	Y	-.034	1.083
39	MP ALPHA2	X	.02	6.917
40	MP ALPHA2	X	.02	1.083
41	MP BETA2	Y	-.034	6.917
42	MP BETA2	Y	-.034	1.083
43	MP BETA2	X	.02	6.917
44	MP BETA2	X	.02	1.083
45	MP GAMMA2	Y	-.017	6.917
46	MP GAMMA2	Y	-.017	1.083
47	MP GAMMA2	X	.01	6.917
48	MP GAMMA2	X	.01	1.083
49	MP ALPHA2	Y	-.002	4
50	MP ALPHA2	X	.000962	4
51	MP BETA2	Y	-.002	4
52	MP BETA2	X	.000962	4
53	MP GAMMA2	Y	-.001	4
54	MP GAMMA2	X	.000676	4
55	MP ALPHA2	Y	-.002	4
56	MP ALPHA2	X	.001	4
57	MP BETA2	Y	-.002	4
58	MP BETA2	X	.001	4
59	MP GAMMA2	Y	-.002	4
60	MP GAMMA2	X	.001	4
61	MP ALPHA4	Y	-.007	2.5
62	MP ALPHA4	X	.004	2.5
63	MP BETA4	Y	-.007	2.5
64	MP BETA4	X	.004	2.5
65	MP GAMMA4	Y	-.006	2.5
66	MP GAMMA4	X	.004	2.5
67	MP ALPHA4	Y	-.008	2.5
68	MP ALPHA4	X	.005	2.5
69	MP BETA4	Y	-.008	2.5
70	MP BETA4	X	.005	2.5
71	MP GAMMA4	Y	-.007	2.5
72	MP GAMMA4	X	.004	2.5

Member Point Loads (BLC 40 : Earthquake (x-direction))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-0.08	3.75
2	MP ALPHA1	X	-0.08	1.25
3	MP BETA1	X	-0.08	3.75
4	MP BETA1	X	-0.08	1.25
5	MP GAMMA1	X	-0.08	3.75
6	MP GAMMA1	X	-0.08	1.25
7	MP ALPHA3	X	-0.05	4.75
8	MP ALPHA3	X	-0.05	3.25
9	MP BETA3	X	-0.05	4.75
10	MP BETA3	X	-0.05	3.25
11	MP GAMMA3	X	-0.05	4.75
12	MP GAMMA3	X	-0.05	3.25
13	MP ALPHA4	X	-0.02	3.75
14	MP ALPHA4	X	-0.02	1.25
15	MP BETA4	X	-0.02	3.75
16	MP BETA4	X	-0.02	1.25
17	MP GAMMA4	X	-0.02	3.75
18	MP GAMMA4	X	-0.02	1.25
19	MP ALPHA2	X	-0.05	6.917
20	MP ALPHA2	X	-0.05	1.083
21	MP BETA2	X	-0.05	6.917
22	MP BETA2	X	-0.05	1.083
23	MP GAMMA2	X	-0.05	6.917
24	MP GAMMA2	X	-0.05	1.083
25	MP ALPHA2	X	-0.01	4
26	MP BETA2	X	-0.01	4
27	MP GAMMA2	X	-0.01	4
28	MP ALPHA2	X	-0.02	4
29	MP BETA2	X	-0.02	4
30	MP GAMMA2	X	-0.02	4
31	MP ALPHA4	X	-0.08	2.5
32	MP BETA4	X	-0.08	2.5
33	MP GAMMA4	X	-0.08	2.5
34	MP ALPHA4	X	-0.05	2.5
35	MP BETA4	X	-0.05	2.5
36	MP GAMMA4	X	-0.05	2.5

Member Point Loads (BLC 41 : Earthquake (y-direction))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-0.08	3.75
2	MP ALPHA1	Y	-0.08	1.25
3	MP BETA1	Y	-0.08	3.75
4	MP BETA1	Y	-0.08	1.25
5	MP GAMMA1	Y	-0.08	3.75
6	MP GAMMA1	Y	-0.08	1.25
7	MP ALPHA3	Y	-0.05	4.75
8	MP ALPHA3	Y	-0.05	3.25
9	MP BETA3	Y	-0.05	4.75
10	MP BETA3	Y	-0.05	3.25
11	MP GAMMA3	Y	-0.05	4.75
12	MP GAMMA3	Y	-0.05	3.25
13	MP ALPHA4	Y	-0.02	3.75
14	MP ALPHA4	Y	-0.02	1.25
15	MP BETA4	Y	-0.02	3.75
16	MP BETA4	Y	-0.02	1.25
17	MP GAMMA4	Y	-0.02	3.75



Member Point Loads (BLC 41 : Earthquake (y-direction)) (Continued)

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
18	MP GAMMA4	Y	-0.002	1.25
19	MP ALPHA2	Y	-0.005	6.917
20	MP ALPHA2	Y	-0.005	1.083
21	MP BETA2	Y	-0.005	6.917
22	MP BETA2	Y	-0.005	1.083
23	MP GAMMA2	Y	-0.005	6.917
24	MP GAMMA2	Y	-0.005	1.083
25	MP ALPHA2	Y	-0.001	4
26	MP BETA2	Y	-0.001	4
27	MP GAMMA2	Y	-0.001	4
28	MP ALPHA2	Y	-0.002	4
29	MP BETA2	Y	-0.002	4
30	MP GAMMA2	Y	-0.002	4
31	MP ALPHA4	Y	-0.008	2.5
32	MP BETA4	Y	-0.008	2.5
33	MP GAMMA4	Y	-0.008	2.5
34	MP ALPHA4	Y	-0.005	2.5
35	MP BETA4	Y	-0.005	2.5
36	MP GAMMA4	Y	-0.005	2.5

Member Point Loads (BLC 42 : Earthquake (z-direction))

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP ALPHA1	Z	-0.003	3.75
2	MP ALPHA1	Z	-0.003	1.25
3	MP BETA1	Z	-0.003	3.75
4	MP BETA1	Z	-0.003	1.25
5	MP GAMMA1	Z	-0.003	3.75
6	MP GAMMA1	Z	-0.003	1.25
7	MP ALPHA3	Z	-0.002	4.75
8	MP ALPHA3	Z	-0.002	3.25
9	MP BETA3	Z	-0.002	4.75
10	MP BETA3	Z	-0.002	3.25
11	MP GAMMA3	Z	-0.002	4.75
12	MP GAMMA3	Z	-0.002	3.25
13	MP ALPHA4	Z	-0.00086	3.75
14	MP ALPHA4	Z	-0.00086	1.25
15	MP BETA4	Z	-0.00086	3.75
16	MP BETA4	Z	-0.00086	1.25
17	MP GAMMA4	Z	-0.00086	3.75
18	MP GAMMA4	Z	-0.00086	1.25
19	MP ALPHA2	Z	-0.002	6.917
20	MP ALPHA2	Z	-0.002	1.083
21	MP BETA2	Z	-0.002	6.917
22	MP BETA2	Z	-0.002	1.083
23	MP GAMMA2	Z	-0.002	6.917
24	MP GAMMA2	Z	-0.002	1.083
25	MP ALPHA2	Z	-0.000465	4
26	MP BETA2	Z	-0.000465	4
27	MP GAMMA2	Z	-0.000465	4
28	MP ALPHA2	Z	-0.00065	4
29	MP BETA2	Z	-0.00065	4
30	MP GAMMA2	Z	-0.00065	4
31	MP ALPHA4	Z	-0.003	2.5
32	MP BETA4	Z	-0.003	2.5
33	MP GAMMA4	Z	-0.003	2.5
34	MP ALPHA4	Z	-0.002	2.5



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Point Loads (BLC 42 : Earthquake (z-direction)) (Continued)

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
35	MP BETA4	Z	-0.02	2.5
36	MP GAMMA4	Z	-0.02	2.5

Member Distributed Loads (BLC 2 : Wind Load (0))

	Member Label	Direction	Start Magnitude...	End Magnitude[...]	Start Location[ft...	End Location[ft...
1	VERT3	PY	-0.06	-0.06	0	0
2	VERT2	PY	-0.06	-0.06	0	0
3	VERT1	PY	-0.06	-0.06	0	0
4	TB3	PY	-0.03	-0.03	0	0
5	TB2	PY	-0.03	-0.03	0	0
6	TB1	PY	-0.03	-0.03	0	0
7	SO3	PY	-0.07	-0.07	0	0
8	SO2	PY	-0.07	-0.07	0	0
9	SO1	PY	-0.07	-0.07	0	0
10	RAIL3	PY	-0.08	-0.08	0	0
11	RAIL2	PY	-0.08	-0.08	0	0
12	RAIL1	PY	-0.04	-0.04	0	0
13	MP GAMMA4	PY	-0.08	-0.08	0	0
14	MP GAMMA3	PY	-0.08	-0.08	0	0
15	MP GAMMA2	PY	-0.08	-0.08	0	0
16	MP GAMMA1	PY	-0.08	-0.08	0	0
17	MP BETA4	PY	-0.08	-0.08	0	0
18	MP BETA3	PY	-0.08	-0.08	0	0
19	MP BETA2	PY	-0.08	-0.08	0	0
20	MP BETA1	PY	-0.08	-0.08	0	0
21	MP ALPHA4	PY	-0.08	-0.08	0	0
22	MP ALPHA3	PY	-0.08	-0.08	0	0
23	MP ALPHA2	PY	-0.08	-0.08	0	0
24	MP ALPHA1	PY	-0.08	-0.08	0	0
25	KICKER3B	PY	-0.28	-0.28	0	0
26	KICKER3A	PY	-0.28	-0.28	0	0
27	KICKER2B	PY	-0.28	-0.28	0	0
28	KICKER2A	PY	-0.28	-0.28	0	0
29	KICKER1b	PY	-0.16	-0.16	0	0
30	KICKER1a	PY	-0.16	-0.16	0	0
31	FACE3	PY	-0.1	-0.1	0	0
32	FACE2	PY	-0.1	-0.1	0	0
33	FACE1	PY	-0.05	-0.05	0	0
34	BACKCHANNEL3	PY	-0.18	-0.18	0	0
35	BACKCHANNEL2	PY	-0.18	-0.18	0	0
36	BACKCHANNEL1	PY	-0.18	-0.18	0	0

Member Distributed Loads (BLC 4 : Wind Load (30))

	Member Label	Direction	Start Magnitude...	End Magnitude[...]	Start Location[ft...	End Location[ft...
1	VERT3	PY	-0.05	-0.05	0	0
2	VERT2	PY	-0.05	-0.05	0	0
3	VERT1	PY	-0.05	-0.05	0	0
4	TB3	PY	-0.03	-0.03	0	0
5	TB2	PY	-0.03	-0.03	0	0
6	TB1	PY	-0.03	-0.03	0	0
7	SO3	PY	-0.06	-0.06	0	0
8	SO2	PY	-0.06	-0.06	0	0
9	SO1	PY	-0.06	-0.06	0	0
10	RAIL3	PY	-0.07	-0.07	0	0
11	RAIL2	PY	-0.07	-0.07	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude...	Start Locationft...	End Locationft...
12	RAIL1	PY	-0.03	-0.03	0	0
13	MP GAMMA4	PY	-0.07	-0.07	0	0
14	MP GAMMA3	PY	-0.07	-0.07	0	0
15	MP GAMMA2	PY	-0.07	-0.07	0	0
16	MP GAMMA1	PY	-0.07	-0.07	0	0
17	MP BETA4	PY	-0.07	-0.07	0	0
18	MP BETA3	PY	-0.07	-0.07	0	0
19	MP BETA2	PY	-0.07	-0.07	0	0
20	MP BETA1	PY	-0.07	-0.07	0	0
21	MP ALPHA4	PY	-0.07	-0.07	0	0
22	MP ALPHA3	PY	-0.07	-0.07	0	0
23	MP ALPHA2	PY	-0.07	-0.07	0	0
24	MP ALPHA1	PY	-0.07	-0.07	0	0
25	KICKER3B	PY	-0.025	-0.025	0	0
26	KICKER3A	PY	-0.025	-0.025	0	0
27	KICKER2B	PY	-0.025	-0.025	0	0
28	KICKER2A	PY	-0.025	-0.025	0	0
29	KICKER1b	PY	-0.014	-0.014	0	0
30	KICKER1a	PY	-0.014	-0.014	0	0
31	FACE3	PY	-0.008	-0.008	0	0
32	FACE2	PY	-0.008	-0.008	0	0
33	FACE1	PY	-0.004	-0.004	0	0
34	BACKCHANNEL3	PY	-0.015	-0.015	0	0
35	BACKCHANNEL2	PY	-0.015	-0.015	0	0
36	BACKCHANNEL1	PY	-0.015	-0.015	0	0
37	VERT3	PX	-0.003	-0.003	0	0
38	VERT2	PX	-0.003	-0.003	0	0
39	VERT1	PX	-0.003	-0.003	0	0
40	TB3	PX	-0.002	-0.002	0	0
41	TB2	PX	-0.002	-0.002	0	0
42	TB1	PX	-0.002	-0.002	0	0
43	SO3	PX	-0.004	-0.004	0	0
44	SO2	PX	-0.004	-0.004	0	0
45	SO1	PX	-0.004	-0.004	0	0
46	RAIL3	PX	-0.004	-0.004	0	0
47	RAIL2	PX	-0.004	-0.004	0	0
48	RAIL1	PX	-0.002	-0.002	0	0
49	MP GAMMA4	PX	-0.004	-0.004	0	0
50	MP GAMMA3	PX	-0.004	-0.004	0	0
51	MP GAMMA2	PX	-0.004	-0.004	0	0
52	MP GAMMA1	PX	-0.004	-0.004	0	0
53	MP BETA4	PX	-0.004	-0.004	0	0
54	MP BETA3	PX	-0.004	-0.004	0	0
55	MP BETA2	PX	-0.004	-0.004	0	0
56	MP BETA1	PX	-0.004	-0.004	0	0
57	MP ALPHA4	PX	-0.004	-0.004	0	0
58	MP ALPHA3	PX	-0.004	-0.004	0	0
59	MP ALPHA2	PX	-0.004	-0.004	0	0
60	MP ALPHA1	PX	-0.004	-0.004	0	0
61	KICKER3B	PX	-0.014	-0.014	0	0
62	KICKER3A	PX	-0.014	-0.014	0	0
63	KICKER2B	PX	-0.014	-0.014	0	0
64	KICKER2A	PX	-0.014	-0.014	0	0
65	KICKER1b	PX	-0.008	-0.008	0	0
66	KICKER1a	PX	-0.008	-0.008	0	0
67	FACE3	PX	-0.005	-0.005	0	0
68	FACE2	PX	-0.005	-0.005	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
69	FACE1	PX	-0.02	-0.02	0	0
70	BACKCHANNEL3	PX	-0.09	-0.09	0	0
71	BACKCHANNEL2	PX	-0.09	-0.09	0	0
72	BACKCHANNEL1	PX	-0.09	-0.09	0	0

Member Distributed Loads (BLC 5 : Wind Load (60))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
1	VERT3	PY	-0.03	-0.03	0	0
2	VERT2	PY	-0.03	-0.03	0	0
3	VERT1	PY	-0.03	-0.03	0	0
4	TB3	PY	-0.02	-0.02	0	0
5	TB2	PY	-0.02	-0.02	0	0
6	TB1	PY	-0.02	-0.02	0	0
7	SO3	PY	-0.04	-0.04	0	0
8	SO2	PY	-0.04	-0.04	0	0
9	SO1	PY	-0.04	-0.04	0	0
10	RAIL3	PY	-0.04	-0.04	0	0
11	RAIL2	PY	-0.04	-0.04	0	0
12	RAIL1	PY	-0.02	-0.02	0	0
13	MP GAMMA4	PY	-0.04	-0.04	0	0
14	MP GAMMA3	PY	-0.04	-0.04	0	0
15	MP GAMMA2	PY	-0.04	-0.04	0	0
16	MP GAMMA1	PY	-0.04	-0.04	0	0
17	MP BETA4	PY	-0.04	-0.04	0	0
18	MP BETA3	PY	-0.04	-0.04	0	0
19	MP BETA2	PY	-0.04	-0.04	0	0
20	MP BETA1	PY	-0.04	-0.04	0	0
21	MP ALPHA4	PY	-0.04	-0.04	0	0
22	MP ALPHA3	PY	-0.04	-0.04	0	0
23	MP ALPHA2	PY	-0.04	-0.04	0	0
24	MP ALPHA1	PY	-0.04	-0.04	0	0
25	KICKER3B	PY	-0.14	-0.14	0	0
26	KICKER3A	PY	-0.14	-0.14	0	0
27	KICKER2B	PY	-0.14	-0.14	0	0
28	KICKER2A	PY	-0.14	-0.14	0	0
29	KICKER1b	PY	-0.08	-0.08	0	0
30	KICKER1a	PY	-0.08	-0.08	0	0
31	FACE3	PY	-0.05	-0.05	0	0
32	FACE2	PY	-0.05	-0.05	0	0
33	FACE1	PY	-0.02	-0.02	0	0
34	BACKCHANNEL3	PY	-0.09	-0.09	0	0
35	BACKCHANNEL2	PY	-0.09	-0.09	0	0
36	BACKCHANNEL1	PY	-0.09	-0.09	0	0
37	VERT3	PX	-0.05	-0.05	0	0
38	VERT2	PX	-0.05	-0.05	0	0
39	VERT1	PX	-0.05	-0.05	0	0
40	TB3	PX	-0.03	-0.03	0	0
41	TB2	PX	-0.03	-0.03	0	0
42	TB1	PX	-0.03	-0.03	0	0
43	SO3	PX	-0.06	-0.06	0	0
44	SO2	PX	-0.06	-0.06	0	0
45	SO1	PX	-0.06	-0.06	0	0
46	RAIL3	PX	-0.07	-0.07	0	0
47	RAIL2	PX	-0.07	-0.07	0	0
48	RAIL1	PX	-0.03	-0.03	0	0
49	MP GAMMA4	PX	-0.07	-0.07	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 5 : Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
50	MP GAMMA3	PX	-0.07	-0.07	0	0
51	MP GAMMA2	PX	-0.07	-0.07	0	0
52	MP GAMMA1	PX	-0.07	-0.07	0	0
53	MP BETA4	PX	-0.07	-0.07	0	0
54	MP BETA3	PX	-0.07	-0.07	0	0
55	MP BETA2	PX	-0.07	-0.07	0	0
56	MP BETA1	PX	-0.07	-0.07	0	0
57	MP ALPHA4	PX	-0.07	-0.07	0	0
58	MP ALPHA3	PX	-0.07	-0.07	0	0
59	MP ALPHA2	PX	-0.07	-0.07	0	0
60	MP ALPHA1	PX	-0.07	-0.07	0	0
61	KICKER3B	PX	-0.025	-0.025	0	0
62	KICKER3A	PX	-0.025	-0.025	0	0
63	KICKER2B	PX	-0.025	-0.025	0	0
64	KICKER2A	PX	-0.025	-0.025	0	0
65	KICKER1b	PX	-0.014	-0.014	0	0
66	KICKER1a	PX	-0.014	-0.014	0	0
67	FACE3	PX	-0.008	-0.008	0	0
68	FACE2	PX	-0.008	-0.008	0	0
69	FACE1	PX	-0.004	-0.004	0	0
70	BACKCHANNEL3	PX	-0.015	-0.015	0	0
71	BACKCHANNEL2	PX	-0.015	-0.015	0	0
72	BACKCHANNEL1	PX	-0.015	-0.015	0	0

Member Distributed Loads (BLC 6 : Wind Load (90))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
1	VERT3	PX	-0.006	-0.006	0	0
2	VERT2	PX	-0.006	-0.006	0	0
3	VERT1	PX	-0.006	-0.006	0	0
4	TB3	PX	-0.003	-0.003	0	0
5	TB2	PX	-0.003	-0.003	0	0
6	TB1	PX	-0.003	-0.003	0	0
7	SO3	PX	-0.007	-0.007	0	0
8	SO2	PX	-0.007	-0.007	0	0
9	SO1	PX	-0.007	-0.007	0	0
10	RAIL1	PX	-0.008	-0.008	0	0
11	RAIL3	PX	-0.008	-0.008	0	0
12	RAIL2	PX	-0.004	-0.004	0	0
13	MP GAMMA4	PX	-0.008	-0.008	0	0
14	MP GAMMA3	PX	-0.008	-0.008	0	0
15	MP GAMMA2	PX	-0.008	-0.008	0	0
16	MP GAMMA1	PX	-0.008	-0.008	0	0
17	MP BETA4	PX	-0.008	-0.008	0	0
18	MP BETA3	PX	-0.008	-0.008	0	0
19	MP BETA2	PX	-0.008	-0.008	0	0
20	MP BETA1	PX	-0.008	-0.008	0	0
21	MP ALPHA4	PX	-0.008	-0.008	0	0
22	MP ALPHA3	PX	-0.008	-0.008	0	0
23	MP ALPHA2	PX	-0.008	-0.008	0	0
24	MP ALPHA1	PX	-0.008	-0.008	0	0
25	KICKER1b	PX	-0.028	-0.028	0	0
26	KICKER1a	PX	-0.028	-0.028	0	0
27	KICKER3B	PX	-0.028	-0.028	0	0
28	KICKER3A	PX	-0.028	-0.028	0	0
29	KICKER2B	PX	-0.016	-0.016	0	0
30	KICKER2A	PX	-0.016	-0.016	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 6 : Wind Load (90)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
31	FACE1	PX	-.01	-.01	0	0
32	FACE3	PX	-.01	-.01	0	0
33	FACE2	PX	-.005	-.005	0	0
34	BACKCHANNEL3	PX	-.018	-.018	0	0
35	BACKCHANNEL2	PX	-.018	-.018	0	0
36	BACKCHANNEL1	PX	-.018	-.018	0	0

Member Distributed Loads (BLC 7 : Wind Load (120))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
1	VERT3	PY	.003	.003	0	0
2	VERT2	PY	.003	.003	0	0
3	VERT1	PY	.003	.003	0	0
4	TB3	PY	.002	.002	0	0
5	TB2	PY	.002	.002	0	0
6	TB1	PY	.002	.002	0	0
7	SO3	PY	.004	.004	0	0
8	SO2	PY	.004	.004	0	0
9	SO1	PY	.004	.004	0	0
10	RAIL1	PY	.004	.004	0	0
11	RAIL3	PY	.004	.004	0	0
12	RAIL2	PY	.002	.002	0	0
13	MP GAMMA4	PY	.004	.004	0	0
14	MP GAMMA3	PY	.004	.004	0	0
15	MP GAMMA2	PY	.004	.004	0	0
16	MP GAMMA1	PY	.004	.004	0	0
17	MP BETA4	PY	.004	.004	0	0
18	MP BETA3	PY	.004	.004	0	0
19	MP BETA2	PY	.004	.004	0	0
20	MP BETA1	PY	.004	.004	0	0
21	MP ALPHA4	PY	.004	.004	0	0
22	MP ALPHA3	PY	.004	.004	0	0
23	MP ALPHA2	PY	.004	.004	0	0
24	MP ALPHA1	PY	.004	.004	0	0
25	KICKER1b	PY	.014	.014	0	0
26	KICKER1a	PY	.014	.014	0	0
27	KICKER3B	PY	.014	.014	0	0
28	KICKER3A	PY	.014	.014	0	0
29	KICKER2B	PY	.008	.008	0	0
30	KICKER2A	PY	.008	.008	0	0
31	FACE1	PY	.005	.005	0	0
32	FACE3	PY	.005	.005	0	0
33	FACE2	PY	.002	.002	0	0
34	BACKCHANNEL3	PY	.009	.009	0	0
35	BACKCHANNEL2	PY	.009	.009	0	0
36	BACKCHANNEL1	PY	.009	.009	0	0
37	VERT3	PX	-.005	-.005	0	0
38	VERT2	PX	-.005	-.005	0	0
39	VERT1	PX	-.005	-.005	0	0
40	TB3	PX	-.003	-.003	0	0
41	TB2	PX	-.003	-.003	0	0
42	TB1	PX	-.003	-.003	0	0
43	SO3	PX	-.006	-.006	0	0
44	SO2	PX	-.006	-.006	0	0
45	SO1	PX	-.006	-.006	0	0
46	RAIL1	PX	-.007	-.007	0	0
47	RAIL3	PX	-.007	-.007	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 7 : Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
48	RAIL2	PX	-.003	-.003	0	0
49	MP GAMMA4	PX	-.007	-.007	0	0
50	MP GAMMA3	PX	-.007	-.007	0	0
51	MP GAMMA2	PX	-.007	-.007	0	0
52	MP GAMMA1	PX	-.007	-.007	0	0
53	MP BETA4	PX	-.007	-.007	0	0
54	MP BETA3	PX	-.007	-.007	0	0
55	MP BETA2	PX	-.007	-.007	0	0
56	MP BETA1	PX	-.007	-.007	0	0
57	MP ALPHA4	PX	-.007	-.007	0	0
58	MP ALPHA3	PX	-.007	-.007	0	0
59	MP ALPHA2	PX	-.007	-.007	0	0
60	MP ALPHA1	PX	-.007	-.007	0	0
61	KICKER1b	PX	-.025	-.025	0	0
62	KICKER1a	PX	-.025	-.025	0	0
63	KICKER3B	PX	-.025	-.025	0	0
64	KICKER3A	PX	-.025	-.025	0	0
65	KICKER2B	PX	-.014	-.014	0	0
66	KICKER2A	PX	-.014	-.014	0	0
67	FACE1	PX	-.008	-.008	0	0
68	FACE3	PX	-.008	-.008	0	0
69	FACE2	PX	-.004	-.004	0	0
70	BACKCHANNEL3	PX	-.015	-.015	0	0
71	BACKCHANNEL2	PX	-.015	-.015	0	0
72	BACKCHANNEL1	PX	-.015	-.015	0	0

Member Distributed Loads (BLC 8 : Wind Load (150))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
1	VERT3	PY	.005	.005	0	0
2	VERT2	PY	.005	.005	0	0
3	VERT1	PY	.005	.005	0	0
4	TB3	PY	.003	.003	0	0
5	TB2	PY	.003	.003	0	0
6	TB1	PY	.003	.003	0	0
7	SO3	PY	.006	.006	0	0
8	SO2	PY	.006	.006	0	0
9	SO1	PY	.006	.006	0	0
10	RAIL1	PY	.007	.007	0	0
11	RAIL3	PY	.007	.007	0	0
12	RAIL2	PY	.003	.003	0	0
13	MP GAMMA4	PY	.007	.007	0	0
14	MP GAMMA3	PY	.007	.007	0	0
15	MP GAMMA2	PY	.007	.007	0	0
16	MP GAMMA1	PY	.007	.007	0	0
17	MP BETA4	PY	.007	.007	0	0
18	MP BETA3	PY	.007	.007	0	0
19	MP BETA2	PY	.007	.007	0	0
20	MP BETA1	PY	.007	.007	0	0
21	MP ALPHA4	PY	.007	.007	0	0
22	MP ALPHA3	PY	.007	.007	0	0
23	MP ALPHA2	PY	.007	.007	0	0
24	MP ALPHA1	PY	.007	.007	0	0
25	KICKER1b	PY	.025	.025	0	0
26	KICKER1a	PY	.025	.025	0	0
27	KICKER3B	PY	.025	.025	0	0
28	KICKER3A	PY	.025	.025	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 8 : Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
29	KICKER2B	PY	.014	.014	0	0
30	KICKER2A	PY	.014	.014	0	0
31	FACE1	PY	.008	.008	0	0
32	FACE3	PY	.008	.008	0	0
33	FACE2	PY	.004	.004	0	0
34	BACKCHANNEL3	PY	.015	.015	0	0
35	BACKCHANNEL2	PY	.015	.015	0	0
36	BACKCHANNEL1	PY	.015	.015	0	0
37	VERT3	PX	-.003	-.003	0	0
38	VERT2	PX	-.003	-.003	0	0
39	VERT1	PX	-.003	-.003	0	0
40	TB3	PX	-.002	-.002	0	0
41	TB2	PX	-.002	-.002	0	0
42	TB1	PX	-.002	-.002	0	0
43	SO3	PX	-.004	-.004	0	0
44	SO2	PX	-.004	-.004	0	0
45	SO1	PX	-.004	-.004	0	0
46	RAIL1	PX	-.004	-.004	0	0
47	RAIL3	PX	-.004	-.004	0	0
48	RAIL2	PX	-.002	-.002	0	0
49	MP GAMMA4	PX	-.004	-.004	0	0
50	MP GAMMA3	PX	-.004	-.004	0	0
51	MP GAMMA2	PX	-.004	-.004	0	0
52	MP GAMMA1	PX	-.004	-.004	0	0
53	MP BETA4	PX	-.004	-.004	0	0
54	MP BETA3	PX	-.004	-.004	0	0
55	MP BETA2	PX	-.004	-.004	0	0
56	MP BETA1	PX	-.004	-.004	0	0
57	MP ALPHA4	PX	-.004	-.004	0	0
58	MP ALPHA3	PX	-.004	-.004	0	0
59	MP ALPHA2	PX	-.004	-.004	0	0
60	MP ALPHA1	PX	-.004	-.004	0	0
61	KICKER1b	PX	-.014	-.014	0	0
62	KICKER1a	PX	-.014	-.014	0	0
63	KICKER3B	PX	-.014	-.014	0	0
64	KICKER3A	PX	-.014	-.014	0	0
65	KICKER2B	PX	-.008	-.008	0	0
66	KICKER2A	PX	-.008	-.008	0	0
67	FACE1	PX	-.005	-.005	0	0
68	FACE3	PX	-.005	-.005	0	0
69	FACE2	PX	-.002	-.002	0	0
70	BACKCHANNEL3	PX	-.009	-.009	0	0
71	BACKCHANNEL2	PX	-.009	-.009	0	0
72	BACKCHANNEL1	PX	-.009	-.009	0	0

Member Distributed Loads (BLC 9 : Wind Load (180))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
1	VERT3	PY	.006	.006	0	0
2	VERT2	PY	.006	.006	0	0
3	VERT1	PY	.006	.006	0	0
4	TB3	PY	.003	.003	0	0
5	TB2	PY	.003	.003	0	0
6	TB1	PY	.003	.003	0	0
7	SO3	PY	.007	.007	0	0
8	SO2	PY	.007	.007	0	0
9	SO1	PY	.007	.007	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 9 : Wind Load (180)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
10	RAIL1	PY	.008	.008	0	0
11	RAIL3	PY	.008	.008	0	0
12	RAIL2	PY	.004	.004	0	0
13	MP GAMMA4	PY	.008	.008	0	0
14	MP GAMMA3	PY	.008	.008	0	0
15	MP GAMMA2	PY	.008	.008	0	0
16	MP GAMMA1	PY	.008	.008	0	0
17	MP BETA4	PY	.008	.008	0	0
18	MP BETA3	PY	.008	.008	0	0
19	MP BETA2	PY	.008	.008	0	0
20	MP BETA1	PY	.008	.008	0	0
21	MP ALPHA4	PY	.008	.008	0	0
22	MP ALPHA3	PY	.008	.008	0	0
23	MP ALPHA2	PY	.008	.008	0	0
24	MP ALPHA1	PY	.008	.008	0	0
25	KICKER1b	PY	.028	.028	0	0
26	KICKER1a	PY	.028	.028	0	0
27	KICKER3B	PY	.028	.028	0	0
28	KICKER3A	PY	.028	.028	0	0
29	KICKER2B	PY	.016	.016	0	0
30	KICKER2A	PY	.016	.016	0	0
31	FACE1	PY	.01	.01	0	0
32	FACE3	PY	.01	.01	0	0
33	FACE2	PY	.005	.005	0	0
34	BACKCHANNEL3	PY	.018	.018	0	0
35	BACKCHANNEL2	PY	.018	.018	0	0
36	BACKCHANNEL1	PY	.018	.018	0	0

Member Distributed Loads (BLC 10 : Wind Load (210))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
1	VERT3	PY	.005	.005	0	0
2	VERT2	PY	.005	.005	0	0
3	VERT1	PY	.005	.005	0	0
4	TB3	PY	.003	.003	0	0
5	TB2	PY	.003	.003	0	0
6	TB1	PY	.003	.003	0	0
7	SO3	PY	.006	.006	0	0
8	SO2	PY	.006	.006	0	0
9	SO1	PY	.006	.006	0	0
10	RAIL1	PY	.007	.007	0	0
11	RAIL2	PY	.007	.007	0	0
12	RAIL3	PY	.003	.003	0	0
13	MP GAMMA4	PY	.007	.007	0	0
14	MP GAMMA3	PY	.007	.007	0	0
15	MP GAMMA2	PY	.007	.007	0	0
16	MP GAMMA1	PY	.007	.007	0	0
17	MP BETA4	PY	.007	.007	0	0
18	MP BETA3	PY	.007	.007	0	0
19	MP BETA2	PY	.007	.007	0	0
20	MP BETA1	PY	.007	.007	0	0
21	MP ALPHA4	PY	.007	.007	0	0
22	MP ALPHA3	PY	.007	.007	0	0
23	MP ALPHA2	PY	.007	.007	0	0
24	MP ALPHA1	PY	.007	.007	0	0
25	KICKER1b	PY	.025	.025	0	0
26	KICKER1a	PY	.025	.025	0	0



Member Distributed Loads (BLC 10 : Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
27	KICKER3B	PY	.025	.025	0	0
28	KICKER3A	PY	.025	.025	0	0
29	KICKER2B	PY	.014	.014	0	0
30	KICKER2A	PY	.014	.014	0	0
31	FACE1	PY	.008	.008	0	0
32	FACE2	PY	.008	.008	0	0
33	FACE3	PY	.004	.004	0	0
34	BACKCHANNEL3	PY	.015	.015	0	0
35	BACKCHANNEL2	PY	.015	.015	0	0
36	BACKCHANNEL1	PY	.015	.015	0	0
37	VERT3	PX	.003	.003	0	0
38	VERT2	PX	.003	.003	0	0
39	VERT1	PX	.003	.003	0	0
40	TB3	PX	.002	.002	0	0
41	TB2	PX	.002	.002	0	0
42	TB1	PX	.002	.002	0	0
43	SO3	PX	.004	.004	0	0
44	SO2	PX	.004	.004	0	0
45	SO1	PX	.004	.004	0	0
46	RAIL1	PX	.004	.004	0	0
47	RAIL2	PX	.004	.004	0	0
48	RAIL3	PX	.002	.002	0	0
49	MP GAMMA4	PX	.004	.004	0	0
50	MP GAMMA3	PX	.004	.004	0	0
51	MP GAMMA2	PX	.004	.004	0	0
52	MP GAMMA1	PX	.004	.004	0	0
53	MP BETA4	PX	.004	.004	0	0
54	MP BETA3	PX	.004	.004	0	0
55	MP BETA2	PX	.004	.004	0	0
56	MP BETA1	PX	.004	.004	0	0
57	MP ALPHA4	PX	.004	.004	0	0
58	MP ALPHA3	PX	.004	.004	0	0
59	MP ALPHA2	PX	.004	.004	0	0
60	MP ALPHA1	PX	.004	.004	0	0
61	KICKER1b	PX	.014	.014	0	0
62	KICKER1a	PX	.014	.014	0	0
63	KICKER3B	PX	.014	.014	0	0
64	KICKER3A	PX	.014	.014	0	0
65	KICKER2B	PX	.008	.008	0	0
66	KICKER2A	PX	.008	.008	0	0
67	FACE1	PX	.005	.005	0	0
68	FACE2	PX	.005	.005	0	0
69	FACE3	PX	.002	.002	0	0
70	BACKCHANNEL3	PX	.009	.009	0	0
71	BACKCHANNEL2	PX	.009	.009	0	0
72	BACKCHANNEL1	PX	.009	.009	0	0

Member Distributed Loads (BLC 11 : Wind Load (240))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
1	VERT3	PY	.003	.003	0	0
2	VERT2	PY	.003	.003	0	0
3	VERT1	PY	.003	.003	0	0
4	TB3	PY	.002	.002	0	0
5	TB2	PY	.002	.002	0	0
6	TB1	PY	.002	.002	0	0
7	SO3	PY	.004	.004	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 11 : Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude	End Magnitude	Start Locationft	End Locationft
8	SO2	PY	.004	.004	0	0
9	SO1	PY	.004	.004	0	0
10	RAIL1	PY	.004	.004	0	0
11	RAIL2	PY	.004	.004	0	0
12	RAIL3	PY	.002	.002	0	0
13	MP GAMMA4	PY	.004	.004	0	0
14	MP GAMMA3	PY	.004	.004	0	0
15	MP GAMMA2	PY	.004	.004	0	0
16	MP GAMMA1	PY	.004	.004	0	0
17	MP BETA4	PY	.004	.004	0	0
18	MP BETA3	PY	.004	.004	0	0
19	MP BETA2	PY	.004	.004	0	0
20	MP BETA1	PY	.004	.004	0	0
21	MP ALPHA4	PY	.004	.004	0	0
22	MP ALPHA3	PY	.004	.004	0	0
23	MP ALPHA2	PY	.004	.004	0	0
24	MP ALPHA1	PY	.004	.004	0	0
25	KICKER1b	PY	.014	.014	0	0
26	KICKER1a	PY	.014	.014	0	0
27	KICKER3B	PY	.014	.014	0	0
28	KICKER3A	PY	.014	.014	0	0
29	KICKER2B	PY	.008	.008	0	0
30	KICKER2A	PY	.008	.008	0	0
31	FACE1	PY	.005	.005	0	0
32	FACE2	PY	.005	.005	0	0
33	FACE3	PY	.002	.002	0	0
34	BACKCHANNEL3	PY	.009	.009	0	0
35	BACKCHANNEL2	PY	.009	.009	0	0
36	BACKCHANNEL1	PY	.009	.009	0	0
37	VERT3	PX	.005	.005	0	0
38	VERT2	PX	.005	.005	0	0
39	VERT1	PX	.005	.005	0	0
40	TB3	PX	.003	.003	0	0
41	TB2	PX	.003	.003	0	0
42	TB1	PX	.003	.003	0	0
43	SO3	PX	.006	.006	0	0
44	SO2	PX	.006	.006	0	0
45	SO1	PX	.006	.006	0	0
46	RAIL1	PX	.007	.007	0	0
47	RAIL2	PX	.007	.007	0	0
48	RAIL3	PX	.003	.003	0	0
49	MP GAMMA4	PX	.007	.007	0	0
50	MP GAMMA3	PX	.007	.007	0	0
51	MP GAMMA2	PX	.007	.007	0	0
52	MP GAMMA1	PX	.007	.007	0	0
53	MP BETA4	PX	.007	.007	0	0
54	MP BETA3	PX	.007	.007	0	0
55	MP BETA2	PX	.007	.007	0	0
56	MP BETA1	PX	.007	.007	0	0
57	MP ALPHA4	PX	.007	.007	0	0
58	MP ALPHA3	PX	.007	.007	0	0
59	MP ALPHA2	PX	.007	.007	0	0
60	MP ALPHA1	PX	.007	.007	0	0
61	KICKER1b	PX	.025	.025	0	0
62	KICKER1a	PX	.025	.025	0	0
63	KICKER3B	PX	.025	.025	0	0
64	KICKER3A	PX	.025	.025	0	0



Member Distributed Loads (BLC 11 : Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
65	KICKER2B	PX	.014	.014	0	0
66	KICKER2A	PX	.014	.014	0	0
67	FACE1	PX	.008	.008	0	0
68	FACE2	PX	.008	.008	0	0
69	FACE3	PX	.004	.004	0	0
70	BACKCHANNEL3	PX	.015	.015	0	0
71	BACKCHANNEL2	PX	.015	.015	0	0
72	BACKCHANNEL1	PX	.015	.015	0	0

Member Distributed Loads (BLC 12 : Wind Load (270))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
1	VERT3	PX	.006	.006	0	0
2	VERT2	PX	.006	.006	0	0
3	VERT1	PX	.006	.006	0	0
4	TB3	PX	.003	.003	0	0
5	TB2	PX	.003	.003	0	0
6	TB1	PX	.003	.003	0	0
7	SO3	PX	.007	.007	0	0
8	SO2	PX	.007	.007	0	0
9	SO1	PX	.007	.007	0	0
10	RAIL1	PX	.008	.008	0	0
11	RAIL2	PX	.008	.008	0	0
12	RAIL3	PX	.004	.004	0	0
13	MP GAMMA4	PX	.008	.008	0	0
14	MP GAMMA3	PX	.008	.008	0	0
15	MP GAMMA2	PX	.008	.008	0	0
16	MP GAMMA1	PX	.008	.008	0	0
17	MP BETA4	PX	.008	.008	0	0
18	MP BETA3	PX	.008	.008	0	0
19	MP BETA2	PX	.008	.008	0	0
20	MP BETA1	PX	.008	.008	0	0
21	MP ALPHA4	PX	.008	.008	0	0
22	MP ALPHA3	PX	.008	.008	0	0
23	MP ALPHA2	PX	.008	.008	0	0
24	MP ALPHA1	PX	.008	.008	0	0
25	KICKER1b	PX	.028	.028	0	0
26	KICKER1a	PX	.028	.028	0	0
27	KICKER3B	PX	.028	.028	0	0
28	KICKER3A	PX	.028	.028	0	0
29	KICKER2B	PX	.016	.016	0	0
30	KICKER2A	PX	.016	.016	0	0
31	FACE1	PX	.01	.01	0	0
32	FACE2	PX	.01	.01	0	0
33	FACE3	PX	.005	.005	0	0
34	BACKCHANNEL3	PX	.018	.018	0	0
35	BACKCHANNEL2	PX	.018	.018	0	0
36	BACKCHANNEL1	PX	.018	.018	0	0

Member Distributed Loads (BLC 13 : Wind Load (300))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
1	VERT3	PY	-.003	-.003	0	0
2	VERT2	PY	-.003	-.003	0	0
3	VERT1	PY	-.003	-.003	0	0
4	TB3	PY	-.002	-.002	0	0
5	TB2	PY	-.002	-.002	0	0
6	TB1	PY	-.002	-.002	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 13 : Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
7	SO3	PY	-.004	-.004	0	0
8	SO2	PY	-.004	-.004	0	0
9	SO1	PY	-.004	-.004	0	0
10	RAIL1	PY	-.004	-.004	0	0
11	RAIL2	PY	-.004	-.004	0	0
12	RAIL3	PY	-.002	-.002	0	0
13	MP GAMMA4	PY	-.004	-.004	0	0
14	MP GAMMA3	PY	-.004	-.004	0	0
15	MP GAMMA2	PY	-.004	-.004	0	0
16	MP GAMMA1	PY	-.004	-.004	0	0
17	MP BETA4	PY	-.004	-.004	0	0
18	MP BETA3	PY	-.004	-.004	0	0
19	MP BETA2	PY	-.004	-.004	0	0
20	MP BETA1	PY	-.004	-.004	0	0
21	MP ALPHA4	PY	-.004	-.004	0	0
22	MP ALPHA3	PY	-.004	-.004	0	0
23	MP ALPHA2	PY	-.004	-.004	0	0
24	MP ALPHA1	PY	-.004	-.004	0	0
25	KICKER1b	PY	-.014	-.014	0	0
26	KICKER1a	PY	-.014	-.014	0	0
27	KICKER3B	PY	-.014	-.014	0	0
28	KICKER3A	PY	-.014	-.014	0	0
29	KICKER2B	PY	-.008	-.008	0	0
30	KICKER2A	PY	-.008	-.008	0	0
31	FACE1	PY	-.005	-.005	0	0
32	FACE2	PY	-.005	-.005	0	0
33	FACE3	PY	-.002	-.002	0	0
34	BACKCHANNEL3	PY	-.009	-.009	0	0
35	BACKCHANNEL2	PY	-.009	-.009	0	0
36	BACKCHANNEL1	PY	-.009	-.009	0	0
37	VERT3	PX	.005	.005	0	0
38	VERT2	PX	.005	.005	0	0
39	VERT1	PX	.005	.005	0	0
40	TB3	PX	.003	.003	0	0
41	TB2	PX	.003	.003	0	0
42	TB1	PX	.003	.003	0	0
43	SO3	PX	.006	.006	0	0
44	SO2	PX	.006	.006	0	0
45	SO1	PX	.006	.006	0	0
46	RAIL1	PX	.007	.007	0	0
47	RAIL2	PX	.007	.007	0	0
48	RAIL3	PX	.003	.003	0	0
49	MP GAMMA4	PX	.007	.007	0	0
50	MP GAMMA3	PX	.007	.007	0	0
51	MP GAMMA2	PX	.007	.007	0	0
52	MP GAMMA1	PX	.007	.007	0	0
53	MP BETA4	PX	.007	.007	0	0
54	MP BETA3	PX	.007	.007	0	0
55	MP BETA2	PX	.007	.007	0	0
56	MP BETA1	PX	.007	.007	0	0
57	MP ALPHA4	PX	.007	.007	0	0
58	MP ALPHA3	PX	.007	.007	0	0
59	MP ALPHA2	PX	.007	.007	0	0
60	MP ALPHA1	PX	.007	.007	0	0
61	KICKER1b	PX	.025	.025	0	0
62	KICKER1a	PX	.025	.025	0	0
63	KICKER3B	PX	.025	.025	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 13 : Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude	End Magnitude	Start Locationft	End Locationft
64	KICKER3A	PX	.025	.025	0	0
65	KICKER2B	PX	.014	.014	0	0
66	KICKER2A	PX	.014	.014	0	0
67	FACE1	PX	.008	.008	0	0
68	FACE2	PX	.008	.008	0	0
69	FACE3	PX	.004	.004	0	0
70	BACKCHANNEL3	PX	.015	.015	0	0
71	BACKCHANNEL2	PX	.015	.015	0	0
72	BACKCHANNEL1	PX	.015	.015	0	0

Member Distributed Loads (BLC 14 : Wind Load (330))

	Member Label	Direction	Start Magnitude	End Magnitude	Start Locationft	End Locationft
1	VERT3	PY	-.005	-.005	0	0
2	VERT2	PY	-.005	-.005	0	0
3	VERT1	PY	-.005	-.005	0	0
4	TB3	PY	-.003	-.003	0	0
5	TB2	PY	-.003	-.003	0	0
6	TB1	PY	-.003	-.003	0	0
7	SO3	PY	-.006	-.006	0	0
8	SO2	PY	-.006	-.006	0	0
9	SO1	PY	-.006	-.006	0	0
10	RAIL3	PY	-.007	-.007	0	0
11	RAIL2	PY	-.007	-.007	0	0
12	RAIL1	PY	-.003	-.003	0	0
13	MP GAMMA4	PY	-.007	-.007	0	0
14	MP GAMMA3	PY	-.007	-.007	0	0
15	MP GAMMA2	PY	-.007	-.007	0	0
16	MP GAMMA1	PY	-.007	-.007	0	0
17	MP BETA4	PY	-.007	-.007	0	0
18	MP BETA3	PY	-.007	-.007	0	0
19	MP BETA2	PY	-.007	-.007	0	0
20	MP BETA1	PY	-.007	-.007	0	0
21	MP ALPHA4	PY	-.007	-.007	0	0
22	MP ALPHA3	PY	-.007	-.007	0	0
23	MP ALPHA2	PY	-.007	-.007	0	0
24	MP ALPHA1	PY	-.007	-.007	0	0
25	KICKER3B	PY	-.025	-.025	0	0
26	KICKER3A	PY	-.025	-.025	0	0
27	KICKER2B	PY	-.025	-.025	0	0
28	KICKER2A	PY	-.025	-.025	0	0
29	KICKER1b	PY	-.014	-.014	0	0
30	KICKER1a	PY	-.014	-.014	0	0
31	FACE3	PY	-.008	-.008	0	0
32	FACE2	PY	-.008	-.008	0	0
33	FACE1	PY	-.004	-.004	0	0
34	BACKCHANNEL3	PY	-.015	-.015	0	0
35	BACKCHANNEL2	PY	-.015	-.015	0	0
36	BACKCHANNEL1	PY	-.015	-.015	0	0
37	VERT3	PX	.003	.003	0	0
38	VERT2	PX	.003	.003	0	0
39	VERT1	PX	.003	.003	0	0
40	TB3	PX	.002	.002	0	0
41	TB2	PX	.002	.002	0	0
42	TB1	PX	.002	.002	0	0
43	SO3	PX	.004	.004	0	0
44	SO2	PX	.004	.004	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 14 : Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
45	SO1	PX	.004	.004	0	0
46	RAIL3	PX	.004	.004	0	0
47	RAIL2	PX	.004	.004	0	0
48	RAIL1	PX	.002	.002	0	0
49	MP GAMMA4	PX	.004	.004	0	0
50	MP GAMMA3	PX	.004	.004	0	0
51	MP GAMMA2	PX	.004	.004	0	0
52	MP GAMMA1	PX	.004	.004	0	0
53	MP BETA4	PX	.004	.004	0	0
54	MP BETA3	PX	.004	.004	0	0
55	MP BETA2	PX	.004	.004	0	0
56	MP BETA1	PX	.004	.004	0	0
57	MP ALPHA4	PX	.004	.004	0	0
58	MP ALPHA3	PX	.004	.004	0	0
59	MP ALPHA2	PX	.004	.004	0	0
60	MP ALPHA1	PX	.004	.004	0	0
61	KICKER3B	PX	.014	.014	0	0
62	KICKER3A	PX	.014	.014	0	0
63	KICKER2B	PX	.014	.014	0	0
64	KICKER2A	PX	.014	.014	0	0
65	KICKER1b	PX	.008	.008	0	0
66	KICKER1a	PX	.008	.008	0	0
67	FACE3	PX	.005	.005	0	0
68	FACE2	PX	.005	.005	0	0
69	FACE1	PX	.002	.002	0	0
70	BACKCHANNEL3	PX	.009	.009	0	0
71	BACKCHANNEL2	PX	.009	.009	0	0
72	BACKCHANNEL1	PX	.009	.009	0	0

Member Distributed Loads (BLC 15 : Maintenance (0))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
1	VERT3	PY	-.00036	-.00036	0	0
2	VERT2	PY	-.00036	-.00036	0	0
3	VERT1	PY	-.00036	-.00036	0	0
4	TB3	PY	-.00019	-.00019	0	0
5	TB2	PY	-.00019	-.00019	0	0
6	TB1	PY	-.00019	-.00019	0	0
7	SO3	PY	-.000422	-.000422	0	0
8	SO2	PY	-.000422	-.000422	0	0
9	SO1	PY	-.000422	-.000422	0	0
10	RAIL3	PY	-.000448	-.000448	0	0
11	RAIL2	PY	-.000448	-.000448	0	0
12	RAIL1	PY	-.000224	-.000224	0	0
13	MP GAMMA4	PY	-.000482	-.000482	0	0
14	MP GAMMA3	PY	-.000482	-.000482	0	0
15	MP GAMMA2	PY	-.000482	-.000482	0	0
16	MP GAMMA1	PY	-.000482	-.000482	0	0
17	MP BETA4	PY	-.000482	-.000482	0	0
18	MP BETA3	PY	-.000482	-.000482	0	0
19	MP BETA2	PY	-.000482	-.000482	0	0
20	MP BETA1	PY	-.000482	-.000482	0	0
21	MP ALPHA4	PY	-.000482	-.000482	0	0
22	MP ALPHA3	PY	-.000482	-.000482	0	0
23	MP ALPHA2	PY	-.000482	-.000482	0	0
24	MP ALPHA1	PY	-.000482	-.000482	0	0
25	KICKER3B	PY	-.002	-.002	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 15 : Maintenance (0)) (Continued)

	Member Label	Direction	Start Magnitude	End Magnitude	Start Locationft	End Locationft
26	KICKER3A	PY	-0.002	-0.002	0	0
27	KICKER2B	PY	-0.002	-0.002	0	0
28	KICKER2A	PY	-0.002	-0.002	0	0
29	KICKER1b	PY	-0.000919	-0.000919	0	0
30	KICKER1a	PY	-0.000919	-0.000919	0	0
31	FACE3	PY	-0.00056	-0.00056	0	0
32	FACE2	PY	-0.00056	-0.00056	0	0
33	FACE1	PY	-0.00028	-0.00028	0	0
34	BACKCHANNEL3	PY	-0.001	-0.001	0	0
35	BACKCHANNEL2	PY	-0.001	-0.001	0	0
36	BACKCHANNEL1	PY	-0.001	-0.001	0	0

Member Distributed Loads (BLC 16 : Maintenance (30))

	Member Label	Direction	Start Magnitude	End Magnitude	Start Locationft	End Locationft
1	VERT3	PY	-0.000312	-0.000312	0	0
2	VERT2	PY	-0.000312	-0.000312	0	0
3	VERT1	PY	-0.000312	-0.000312	0	0
4	TB3	PY	-0.000165	-0.000165	0	0
5	TB2	PY	-0.000165	-0.000165	0	0
6	TB1	PY	-0.000165	-0.000165	0	0
7	SO3	PY	-0.000366	-0.000366	0	0
8	SO2	PY	-0.000366	-0.000366	0	0
9	SO1	PY	-0.000366	-0.000366	0	0
10	RAIL3	PY	-0.000388	-0.000388	0	0
11	RAIL2	PY	-0.000388	-0.000388	0	0
12	RAIL1	PY	-0.000194	-0.000194	0	0
13	MP GAMMA4	PY	-0.000417	-0.000417	0	0
14	MP GAMMA3	PY	-0.000417	-0.000417	0	0
15	MP GAMMA2	PY	-0.000417	-0.000417	0	0
16	MP GAMMA1	PY	-0.000417	-0.000417	0	0
17	MP BETA4	PY	-0.000417	-0.000417	0	0
18	MP BETA3	PY	-0.000417	-0.000417	0	0
19	MP BETA2	PY	-0.000417	-0.000417	0	0
20	MP BETA1	PY	-0.000417	-0.000417	0	0
21	MP ALPHA4	PY	-0.000417	-0.000417	0	0
22	MP ALPHA3	PY	-0.000417	-0.000417	0	0
23	MP ALPHA2	PY	-0.000417	-0.000417	0	0
24	MP ALPHA1	PY	-0.000417	-0.000417	0	0
25	KICKER3B	PY	-0.001	-0.001	0	0
26	KICKER3A	PY	-0.001	-0.001	0	0
27	KICKER2B	PY	-0.001	-0.001	0	0
28	KICKER2A	PY	-0.001	-0.001	0	0
29	KICKER1b	PY	-0.000796	-0.000796	0	0
30	KICKER1a	PY	-0.000796	-0.000796	0	0
31	FACE3	PY	-0.000485	-0.000485	0	0
32	FACE2	PY	-0.000485	-0.000485	0	0
33	FACE1	PY	-0.000243	-0.000243	0	0
34	BACKCHANNEL3	PY	-0.000878	-0.000878	0	0
35	BACKCHANNEL2	PY	-0.000878	-0.000878	0	0
36	BACKCHANNEL1	PY	-0.000878	-0.000878	0	0
37	VERT3	PX	-0.00018	-0.00018	0	0
38	VERT2	PX	-0.00018	-0.00018	0	0
39	VERT1	PX	-0.00018	-0.00018	0	0
40	TB3	PX	-9.5e-5	-9.5e-5	0	0
41	TB2	PX	-9.5e-5	-9.5e-5	0	0
42	TB1	PX	-9.5e-5	-9.5e-5	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 16 : Maintenance (30)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
43	SO3	PX	-0.00211	-0.00211	0	0
44	SO2	PX	-0.00211	-0.00211	0	0
45	SO1	PX	-0.00211	-0.00211	0	0
46	RAIL3	PX	-0.00224	-0.00224	0	0
47	RAIL2	PX	-0.00224	-0.00224	0	0
48	RAIL1	PX	-0.00112	-0.00112	0	0
49	MP GAMMA4	PX	-0.00241	-0.00241	0	0
50	MP GAMMA3	PX	-0.00241	-0.00241	0	0
51	MP GAMMA2	PX	-0.00241	-0.00241	0	0
52	MP GAMMA1	PX	-0.00241	-0.00241	0	0
53	MP BETA4	PX	-0.00241	-0.00241	0	0
54	MP BETA3	PX	-0.00241	-0.00241	0	0
55	MP BETA2	PX	-0.00241	-0.00241	0	0
56	MP BETA1	PX	-0.00241	-0.00241	0	0
57	MP ALPHA4	PX	-0.00241	-0.00241	0	0
58	MP ALPHA3	PX	-0.00241	-0.00241	0	0
59	MP ALPHA2	PX	-0.00241	-0.00241	0	0
60	MP ALPHA1	PX	-0.00241	-0.00241	0	0
61	KICKER3B	PX	-0.00817	-0.00817	0	0
62	KICKER3A	PX	-0.00817	-0.00817	0	0
63	KICKER2B	PX	-0.00817	-0.00817	0	0
64	KICKER2A	PX	-0.00817	-0.00817	0	0
65	KICKER1b	PX	-0.0046	-0.0046	0	0
66	KICKER1a	PX	-0.0046	-0.0046	0	0
67	FACE3	PX	-0.0028	-0.0028	0	0
68	FACE2	PX	-0.0028	-0.0028	0	0
69	FACE1	PX	-0.0014	-0.0014	0	0
70	BACKCHANNEL3	PX	-0.00507	-0.00507	0	0
71	BACKCHANNEL2	PX	-0.00507	-0.00507	0	0
72	BACKCHANNEL1	PX	-0.00507	-0.00507	0	0

Member Distributed Loads (BLC 17 : Maintenance (60))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
1	VERT3	PY	-0.0018	-0.0018	0	0
2	VERT2	PY	-0.0018	-0.0018	0	0
3	VERT1	PY	-0.0018	-0.0018	0	0
4	TB3	PY	-9.5e-5	-9.5e-5	0	0
5	TB2	PY	-9.5e-5	-9.5e-5	0	0
6	TB1	PY	-9.5e-5	-9.5e-5	0	0
7	SO3	PY	-0.00211	-0.00211	0	0
8	SO2	PY	-0.00211	-0.00211	0	0
9	SO1	PY	-0.00211	-0.00211	0	0
10	RAIL3	PY	-0.00224	-0.00224	0	0
11	RAIL2	PY	-0.00224	-0.00224	0	0
12	RAIL1	PY	-0.00112	-0.00112	0	0
13	MP GAMMA4	PY	-0.00241	-0.00241	0	0
14	MP GAMMA3	PY	-0.00241	-0.00241	0	0
15	MP GAMMA2	PY	-0.00241	-0.00241	0	0
16	MP GAMMA1	PY	-0.00241	-0.00241	0	0
17	MP BETA4	PY	-0.00241	-0.00241	0	0
18	MP BETA3	PY	-0.00241	-0.00241	0	0
19	MP BETA2	PY	-0.00241	-0.00241	0	0
20	MP BETA1	PY	-0.00241	-0.00241	0	0
21	MP ALPHA4	PY	-0.00241	-0.00241	0	0
22	MP ALPHA3	PY	-0.00241	-0.00241	0	0
23	MP ALPHA2	PY	-0.00241	-0.00241	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 17 : Maintenance (60)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
24	MP ALPHA1	PY	-0.00241	-0.00241	0	0
25	KICKER3B	PY	-0.00817	-0.00817	0	0
26	KICKER3A	PY	-0.00817	-0.00817	0	0
27	KICKER2B	PY	-0.00817	-0.00817	0	0
28	KICKER2A	PY	-0.00817	-0.00817	0	0
29	KICKER1b	PY	-0.0046	-0.0046	0	0
30	KICKER1a	PY	-0.0046	-0.0046	0	0
31	FACE3	PY	-0.0028	-0.0028	0	0
32	FACE2	PY	-0.0028	-0.0028	0	0
33	FACE1	PY	-0.0014	-0.0014	0	0
34	BACKCHANNEL3	PY	-0.00507	-0.00507	0	0
35	BACKCHANNEL2	PY	-0.00507	-0.00507	0	0
36	BACKCHANNEL1	PY	-0.00507	-0.00507	0	0
37	VERT3	PX	-0.00312	-0.00312	0	0
38	VERT2	PX	-0.00312	-0.00312	0	0
39	VERT1	PX	-0.00312	-0.00312	0	0
40	TB3	PX	-0.00165	-0.00165	0	0
41	TB2	PX	-0.00165	-0.00165	0	0
42	TB1	PX	-0.00165	-0.00165	0	0
43	SO3	PX	-0.00366	-0.00366	0	0
44	SO2	PX	-0.00366	-0.00366	0	0
45	SO1	PX	-0.00366	-0.00366	0	0
46	RAIL3	PX	-0.00388	-0.00388	0	0
47	RAIL2	PX	-0.00388	-0.00388	0	0
48	RAIL1	PX	-0.00194	-0.00194	0	0
49	MP GAMMA4	PX	-0.00417	-0.00417	0	0
50	MP GAMMA3	PX	-0.00417	-0.00417	0	0
51	MP GAMMA2	PX	-0.00417	-0.00417	0	0
52	MP GAMMA1	PX	-0.00417	-0.00417	0	0
53	MP BETA4	PX	-0.00417	-0.00417	0	0
54	MP BETA3	PX	-0.00417	-0.00417	0	0
55	MP BETA2	PX	-0.00417	-0.00417	0	0
56	MP BETA1	PX	-0.00417	-0.00417	0	0
57	MP ALPHA4	PX	-0.00417	-0.00417	0	0
58	MP ALPHA3	PX	-0.00417	-0.00417	0	0
59	MP ALPHA2	PX	-0.00417	-0.00417	0	0
60	MP ALPHA1	PX	-0.00417	-0.00417	0	0
61	KICKER3B	PX	-0.001	-0.001	0	0
62	KICKER3A	PX	-0.001	-0.001	0	0
63	KICKER2B	PX	-0.001	-0.001	0	0
64	KICKER2A	PX	-0.001	-0.001	0	0
65	KICKER1b	PX	-0.00796	-0.00796	0	0
66	KICKER1a	PX	-0.00796	-0.00796	0	0
67	FACE3	PX	-0.00485	-0.00485	0	0
68	FACE2	PX	-0.00485	-0.00485	0	0
69	FACE1	PX	-0.00243	-0.00243	0	0
70	BACKCHANNEL3	PX	-0.00878	-0.00878	0	0
71	BACKCHANNEL2	PX	-0.00878	-0.00878	0	0
72	BACKCHANNEL1	PX	-0.00878	-0.00878	0	0

Member Distributed Loads (BLC 18 : Maintenance (90))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
1	VERT3	PX	-0.0036	-0.0036	0	0
2	VERT2	PX	-0.0036	-0.0036	0	0
3	VERT1	PX	-0.0036	-0.0036	0	0
4	TB3	PX	-0.0019	-0.0019	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 18 : Maintenance (90)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
5	TB2	PX	-.00019	-.00019	0	0
6	TB1	PX	-.00019	-.00019	0	0
7	SO3	PX	-.000422	-.000422	0	0
8	SO2	PX	-.000422	-.000422	0	0
9	SO1	PX	-.000422	-.000422	0	0
10	RAIL1	PX	-.000448	-.000448	0	0
11	RAIL3	PX	-.000448	-.000448	0	0
12	RAIL2	PX	-.000224	-.000224	0	0
13	MP GAMMA4	PX	-.000482	-.000482	0	0
14	MP GAMMA3	PX	-.000482	-.000482	0	0
15	MP GAMMA2	PX	-.000482	-.000482	0	0
16	MP GAMMA1	PX	-.000482	-.000482	0	0
17	MP BETA4	PX	-.000482	-.000482	0	0
18	MP BETA3	PX	-.000482	-.000482	0	0
19	MP BETA2	PX	-.000482	-.000482	0	0
20	MP BETA1	PX	-.000482	-.000482	0	0
21	MP ALPHA4	PX	-.000482	-.000482	0	0
22	MP ALPHA3	PX	-.000482	-.000482	0	0
23	MP ALPHA2	PX	-.000482	-.000482	0	0
24	MP ALPHA1	PX	-.000482	-.000482	0	0
25	KICKER1b	PX	-.002	-.002	0	0
26	KICKER1a	PX	-.002	-.002	0	0
27	KICKER3B	PX	-.002	-.002	0	0
28	KICKER3A	PX	-.002	-.002	0	0
29	KICKER2B	PX	-.000919	-.000919	0	0
30	KICKER2A	PX	-.000919	-.000919	0	0
31	FACE1	PX	-.00056	-.00056	0	0
32	FACE3	PX	-.00056	-.00056	0	0
33	FACE2	PX	-.00028	-.00028	0	0
34	BACKCHANNEL3	PX	-.001	-.001	0	0
35	BACKCHANNEL2	PX	-.001	-.001	0	0
36	BACKCHANNEL1	PX	-.001	-.001	0	0

Member Distributed Loads (BLC 19 : Maintenance (120))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
1	VERT3	PY	.00018	.00018	0	0
2	VERT2	PY	.00018	.00018	0	0
3	VERT1	PY	.00018	.00018	0	0
4	TB3	PY	9.5e-5	9.5e-5	0	0
5	TB2	PY	9.5e-5	9.5e-5	0	0
6	TB1	PY	9.5e-5	9.5e-5	0	0
7	SO3	PY	.000211	.000211	0	0
8	SO2	PY	.000211	.000211	0	0
9	SO1	PY	.000211	.000211	0	0
10	RAIL1	PY	.000224	.000224	0	0
11	RAIL3	PY	.000224	.000224	0	0
12	RAIL2	PY	.000112	.000112	0	0
13	MP GAMMA4	PY	.000241	.000241	0	0
14	MP GAMMA3	PY	.000241	.000241	0	0
15	MP GAMMA2	PY	.000241	.000241	0	0
16	MP GAMMA1	PY	.000241	.000241	0	0
17	MP BETA4	PY	.000241	.000241	0	0
18	MP BETA3	PY	.000241	.000241	0	0
19	MP BETA2	PY	.000241	.000241	0	0
20	MP BETA1	PY	.000241	.000241	0	0
21	MP ALPHA4	PY	.000241	.000241	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 19 : Maintenance (120)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
22	MP ALPHA3	PY	.000241	.000241	0	0
23	MP ALPHA2	PY	.000241	.000241	0	0
24	MP ALPHA1	PY	.000241	.000241	0	0
25	KICKER1b	PY	.000817	.000817	0	0
26	KICKER1a	PY	.000817	.000817	0	0
27	KICKER3B	PY	.000817	.000817	0	0
28	KICKER3A	PY	.000817	.000817	0	0
29	KICKER2B	PY	.00046	.00046	0	0
30	KICKER2A	PY	.00046	.00046	0	0
31	FACE1	PY	.00028	.00028	0	0
32	FACE3	PY	.00028	.00028	0	0
33	FACE2	PY	.00014	.00014	0	0
34	BACKCHANNEL3	PY	.000507	.000507	0	0
35	BACKCHANNEL2	PY	.000507	.000507	0	0
36	BACKCHANNEL1	PY	.000507	.000507	0	0
37	VERT3	PX	-.000312	-.000312	0	0
38	VERT2	PX	-.000312	-.000312	0	0
39	VERT1	PX	-.000312	-.000312	0	0
40	TB3	PX	-.000165	-.000165	0	0
41	TB2	PX	-.000165	-.000165	0	0
42	TB1	PX	-.000165	-.000165	0	0
43	SO3	PX	-.000366	-.000366	0	0
44	SO2	PX	-.000366	-.000366	0	0
45	SO1	PX	-.000366	-.000366	0	0
46	RAIL1	PX	-.000388	-.000388	0	0
47	RAIL3	PX	-.000388	-.000388	0	0
48	RAIL2	PX	-.000194	-.000194	0	0
49	MP GAMMA4	PX	-.000417	-.000417	0	0
50	MP GAMMA3	PX	-.000417	-.000417	0	0
51	MP GAMMA2	PX	-.000417	-.000417	0	0
52	MP GAMMA1	PX	-.000417	-.000417	0	0
53	MP BETA4	PX	-.000417	-.000417	0	0
54	MP BETA3	PX	-.000417	-.000417	0	0
55	MP BETA2	PX	-.000417	-.000417	0	0
56	MP BETA1	PX	-.000417	-.000417	0	0
57	MP ALPHA4	PX	-.000417	-.000417	0	0
58	MP ALPHA3	PX	-.000417	-.000417	0	0
59	MP ALPHA2	PX	-.000417	-.000417	0	0
60	MP ALPHA1	PX	-.000417	-.000417	0	0
61	KICKER1b	PX	-.001	-.001	0	0
62	KICKER1a	PX	-.001	-.001	0	0
63	KICKER3B	PX	-.001	-.001	0	0
64	KICKER3A	PX	-.001	-.001	0	0
65	KICKER2B	PX	-.000796	-.000796	0	0
66	KICKER2A	PX	-.000796	-.000796	0	0
67	FACE1	PX	-.000485	-.000485	0	0
68	FACE3	PX	-.000485	-.000485	0	0
69	FACE2	PX	-.000243	-.000243	0	0
70	BACKCHANNEL3	PX	-.000878	-.000878	0	0
71	BACKCHANNEL2	PX	-.000878	-.000878	0	0
72	BACKCHANNEL1	PX	-.000878	-.000878	0	0

Member Distributed Loads (BLC 20 : Maintenance (150))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
1	VERT3	PY	.000312	.000312	0	0
2	VERT2	PY	.000312	.000312	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 20 : Maintenance (150)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
3	VERT1	PY	.000312	.000312	0	0
4	TB3	PY	.000165	.000165	0	0
5	TB2	PY	.000165	.000165	0	0
6	TB1	PY	.000165	.000165	0	0
7	SO3	PY	.000366	.000366	0	0
8	SO2	PY	.000366	.000366	0	0
9	SO1	PY	.000366	.000366	0	0
10	RAIL1	PY	.000388	.000388	0	0
11	RAIL3	PY	.000388	.000388	0	0
12	RAIL2	PY	.000194	.000194	0	0
13	MP GAMMA4	PY	.000417	.000417	0	0
14	MP GAMMA3	PY	.000417	.000417	0	0
15	MP GAMMA2	PY	.000417	.000417	0	0
16	MP GAMMA1	PY	.000417	.000417	0	0
17	MP BETA4	PY	.000417	.000417	0	0
18	MP BETA3	PY	.000417	.000417	0	0
19	MP BETA2	PY	.000417	.000417	0	0
20	MP BETA1	PY	.000417	.000417	0	0
21	MP ALPHA4	PY	.000417	.000417	0	0
22	MP ALPHA3	PY	.000417	.000417	0	0
23	MP ALPHA2	PY	.000417	.000417	0	0
24	MP ALPHA1	PY	.000417	.000417	0	0
25	KICKER1b	PY	.001	.001	0	0
26	KICKER1a	PY	.001	.001	0	0
27	KICKER3B	PY	.001	.001	0	0
28	KICKER3A	PY	.001	.001	0	0
29	KICKER2B	PY	.000796	.000796	0	0
30	KICKER2A	PY	.000796	.000796	0	0
31	FACE1	PY	.000485	.000485	0	0
32	FACE3	PY	.000485	.000485	0	0
33	FACE2	PY	.000243	.000243	0	0
34	BACKCHANNEL3	PY	.000878	.000878	0	0
35	BACKCHANNEL2	PY	.000878	.000878	0	0
36	BACKCHANNEL1	PY	.000878	.000878	0	0
37	VERT3	PX	-.00018	-.00018	0	0
38	VERT2	PX	-.00018	-.00018	0	0
39	VERT1	PX	-.00018	-.00018	0	0
40	TB3	PX	-9.5e-5	-9.5e-5	0	0
41	TB2	PX	-9.5e-5	-9.5e-5	0	0
42	TB1	PX	-9.5e-5	-9.5e-5	0	0
43	SO3	PX	-.000211	-.000211	0	0
44	SO2	PX	-.000211	-.000211	0	0
45	SO1	PX	-.000211	-.000211	0	0
46	RAIL1	PX	-.000224	-.000224	0	0
47	RAIL3	PX	-.000224	-.000224	0	0
48	RAIL2	PX	-.000112	-.000112	0	0
49	MP GAMMA4	PX	-.000241	-.000241	0	0
50	MP GAMMA3	PX	-.000241	-.000241	0	0
51	MP GAMMA2	PX	-.000241	-.000241	0	0
52	MP GAMMA1	PX	-.000241	-.000241	0	0
53	MP BETA4	PX	-.000241	-.000241	0	0
54	MP BETA3	PX	-.000241	-.000241	0	0
55	MP BETA2	PX	-.000241	-.000241	0	0
56	MP BETA1	PX	-.000241	-.000241	0	0
57	MP ALPHA4	PX	-.000241	-.000241	0	0
58	MP ALPHA3	PX	-.000241	-.000241	0	0
59	MP ALPHA2	PX	-.000241	-.000241	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 20 : Maintenance (150)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
60	MP ALPHA1	PX	-.000241	-.000241	0	0
61	KICKER1b	PX	-.000817	-.000817	0	0
62	KICKER1a	PX	-.000817	-.000817	0	0
63	KICKER3B	PX	-.000817	-.000817	0	0
64	KICKER3A	PX	-.000817	-.000817	0	0
65	KICKER2B	PX	-.00046	-.00046	0	0
66	KICKER2A	PX	-.00046	-.00046	0	0
67	FACE1	PX	-.00028	-.00028	0	0
68	FACE3	PX	-.00028	-.00028	0	0
69	FACE2	PX	-.00014	-.00014	0	0
70	BACKCHANNEL3	PX	-.000507	-.000507	0	0
71	BACKCHANNEL2	PX	-.000507	-.000507	0	0
72	BACKCHANNEL1	PX	-.000507	-.000507	0	0

Member Distributed Loads (BLC 21 : Maintenance (180))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
1	VERT3	PY	.00036	.00036	0	0
2	VERT2	PY	.00036	.00036	0	0
3	VERT1	PY	.00036	.00036	0	0
4	TB3	PY	.00019	.00019	0	0
5	TB2	PY	.00019	.00019	0	0
6	TB1	PY	.00019	.00019	0	0
7	SO3	PY	.000422	.000422	0	0
8	SO2	PY	.000422	.000422	0	0
9	SO1	PY	.000422	.000422	0	0
10	RAIL1	PY	.000448	.000448	0	0
11	RAIL3	PY	.000448	.000448	0	0
12	RAIL2	PY	.000224	.000224	0	0
13	MP GAMMA4	PY	.000482	.000482	0	0
14	MP GAMMA3	PY	.000482	.000482	0	0
15	MP GAMMA2	PY	.000482	.000482	0	0
16	MP GAMMA1	PY	.000482	.000482	0	0
17	MP BETA4	PY	.000482	.000482	0	0
18	MP BETA3	PY	.000482	.000482	0	0
19	MP BETA2	PY	.000482	.000482	0	0
20	MP BETA1	PY	.000482	.000482	0	0
21	MP ALPHA4	PY	.000482	.000482	0	0
22	MP ALPHA3	PY	.000482	.000482	0	0
23	MP ALPHA2	PY	.000482	.000482	0	0
24	MP ALPHA1	PY	.000482	.000482	0	0
25	KICKER1b	PY	.002	.002	0	0
26	KICKER1a	PY	.002	.002	0	0
27	KICKER3B	PY	.002	.002	0	0
28	KICKER3A	PY	.002	.002	0	0
29	KICKER2B	PY	.000919	.000919	0	0
30	KICKER2A	PY	.000919	.000919	0	0
31	FACE1	PY	.00056	.00056	0	0
32	FACE3	PY	.00056	.00056	0	0
33	FACE2	PY	.00028	.00028	0	0
34	BACKCHANNEL3	PY	.001	.001	0	0
35	BACKCHANNEL2	PY	.001	.001	0	0
36	BACKCHANNEL1	PY	.001	.001	0	0

Member Distributed Loads (BLC 22 : Maintenance (210))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
1	VERT3	PY	.000312	.000312	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 22 : Maintenance (210)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
2	VERT2	PY	.000312	.000312	0	0
3	VERT1	PY	.000312	.000312	0	0
4	TB3	PY	.000165	.000165	0	0
5	TB2	PY	.000165	.000165	0	0
6	TB1	PY	.000165	.000165	0	0
7	SO3	PY	.000366	.000366	0	0
8	SO2	PY	.000366	.000366	0	0
9	SO1	PY	.000366	.000366	0	0
10	RAIL1	PY	.000388	.000388	0	0
11	RAIL2	PY	.000388	.000388	0	0
12	RAIL3	PY	.000194	.000194	0	0
13	MP GAMMA4	PY	.000417	.000417	0	0
14	MP GAMMA3	PY	.000417	.000417	0	0
15	MP GAMMA2	PY	.000417	.000417	0	0
16	MP GAMMA1	PY	.000417	.000417	0	0
17	MP BETA4	PY	.000417	.000417	0	0
18	MP BETA3	PY	.000417	.000417	0	0
19	MP BETA2	PY	.000417	.000417	0	0
20	MP BETA1	PY	.000417	.000417	0	0
21	MP ALPHA4	PY	.000417	.000417	0	0
22	MP ALPHA3	PY	.000417	.000417	0	0
23	MP ALPHA2	PY	.000417	.000417	0	0
24	MP ALPHA1	PY	.000417	.000417	0	0
25	KICKER1b	PY	.001	.001	0	0
26	KICKER1a	PY	.001	.001	0	0
27	KICKER3B	PY	.001	.001	0	0
28	KICKER3A	PY	.001	.001	0	0
29	KICKER2B	PY	.000796	.000796	0	0
30	KICKER2A	PY	.000796	.000796	0	0
31	FACE1	PY	.000485	.000485	0	0
32	FACE2	PY	.000485	.000485	0	0
33	FACE3	PY	.000243	.000243	0	0
34	BACKCHANNEL3	PY	.000878	.000878	0	0
35	BACKCHANNEL2	PY	.000878	.000878	0	0
36	BACKCHANNEL1	PY	.000878	.000878	0	0
37	VERT3	PX	.00018	.00018	0	0
38	VERT2	PX	.00018	.00018	0	0
39	VERT1	PX	.00018	.00018	0	0
40	TB3	PX	9.5e-5	9.5e-5	0	0
41	TB2	PX	9.5e-5	9.5e-5	0	0
42	TB1	PX	9.5e-5	9.5e-5	0	0
43	SO3	PX	.000211	.000211	0	0
44	SO2	PX	.000211	.000211	0	0
45	SO1	PX	.000211	.000211	0	0
46	RAIL1	PX	.000224	.000224	0	0
47	RAIL2	PX	.000224	.000224	0	0
48	RAIL3	PX	.000112	.000112	0	0
49	MP GAMMA4	PX	.000241	.000241	0	0
50	MP GAMMA3	PX	.000241	.000241	0	0
51	MP GAMMA2	PX	.000241	.000241	0	0
52	MP GAMMA1	PX	.000241	.000241	0	0
53	MP BETA4	PX	.000241	.000241	0	0
54	MP BETA3	PX	.000241	.000241	0	0
55	MP BETA2	PX	.000241	.000241	0	0
56	MP BETA1	PX	.000241	.000241	0	0
57	MP ALPHA4	PX	.000241	.000241	0	0
58	MP ALPHA3	PX	.000241	.000241	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 22 : Maintenance (210)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
59	MP ALPHA2	PX	.000241	.000241	0	0
60	MP ALPHA1	PX	.000241	.000241	0	0
61	KICKER1b	PX	.000817	.000817	0	0
62	KICKER1a	PX	.000817	.000817	0	0
63	KICKER3B	PX	.000817	.000817	0	0
64	KICKER3A	PX	.000817	.000817	0	0
65	KICKER2B	PX	.00046	.00046	0	0
66	KICKER2A	PX	.00046	.00046	0	0
67	FACE1	PX	.00028	.00028	0	0
68	FACE2	PX	.00028	.00028	0	0
69	FACE3	PX	.00014	.00014	0	0
70	BACKCHANNEL3	PX	.000507	.000507	0	0
71	BACKCHANNEL2	PX	.000507	.000507	0	0
72	BACKCHANNEL1	PX	.000507	.000507	0	0

Member Distributed Loads (BLC 23 : Maintenance (240))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
1	VERT3	PY	.00018	.00018	0	0
2	VERT2	PY	.00018	.00018	0	0
3	VERT1	PY	.00018	.00018	0	0
4	TB3	PY	9.5e-5	9.5e-5	0	0
5	TB2	PY	9.5e-5	9.5e-5	0	0
6	TB1	PY	9.5e-5	9.5e-5	0	0
7	SO3	PY	.000211	.000211	0	0
8	SO2	PY	.000211	.000211	0	0
9	SO1	PY	.000211	.000211	0	0
10	RAIL1	PY	.000224	.000224	0	0
11	RAIL2	PY	.000224	.000224	0	0
12	RAIL3	PY	.000112	.000112	0	0
13	MP GAMMA4	PY	.000241	.000241	0	0
14	MP GAMMA3	PY	.000241	.000241	0	0
15	MP GAMMA2	PY	.000241	.000241	0	0
16	MP GAMMA1	PY	.000241	.000241	0	0
17	MP BETA4	PY	.000241	.000241	0	0
18	MP BETA3	PY	.000241	.000241	0	0
19	MP BETA2	PY	.000241	.000241	0	0
20	MP BETA1	PY	.000241	.000241	0	0
21	MP ALPHA4	PY	.000241	.000241	0	0
22	MP ALPHA3	PY	.000241	.000241	0	0
23	MP ALPHA2	PY	.000241	.000241	0	0
24	MP ALPHA1	PY	.000241	.000241	0	0
25	KICKER1b	PY	.000817	.000817	0	0
26	KICKER1a	PY	.000817	.000817	0	0
27	KICKER3B	PY	.000817	.000817	0	0
28	KICKER3A	PY	.000817	.000817	0	0
29	KICKER2B	PY	.00046	.00046	0	0
30	KICKER2A	PY	.00046	.00046	0	0
31	FACE1	PY	.00028	.00028	0	0
32	FACE2	PY	.00028	.00028	0	0
33	FACE3	PY	.00014	.00014	0	0
34	BACKCHANNEL3	PY	.000507	.000507	0	0
35	BACKCHANNEL2	PY	.000507	.000507	0	0
36	BACKCHANNEL1	PY	.000507	.000507	0	0
37	VERT3	PX	.000312	.000312	0	0
38	VERT2	PX	.000312	.000312	0	0
39	VERT1	PX	.000312	.000312	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 23 : Maintenance (240)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
40	TB3	PX	.000165	.000165	0	0
41	TB2	PX	.000165	.000165	0	0
42	TB1	PX	.000165	.000165	0	0
43	SO3	PX	.000366	.000366	0	0
44	SO2	PX	.000366	.000366	0	0
45	SO1	PX	.000366	.000366	0	0
46	RAIL1	PX	.000388	.000388	0	0
47	RAIL2	PX	.000388	.000388	0	0
48	RAIL3	PX	.000194	.000194	0	0
49	MP GAMMA4	PX	.000417	.000417	0	0
50	MP GAMMA3	PX	.000417	.000417	0	0
51	MP GAMMA2	PX	.000417	.000417	0	0
52	MP GAMMA1	PX	.000417	.000417	0	0
53	MP BETA4	PX	.000417	.000417	0	0
54	MP BETA3	PX	.000417	.000417	0	0
55	MP BETA2	PX	.000417	.000417	0	0
56	MP BETA1	PX	.000417	.000417	0	0
57	MP ALPHA4	PX	.000417	.000417	0	0
58	MP ALPHA3	PX	.000417	.000417	0	0
59	MP ALPHA2	PX	.000417	.000417	0	0
60	MP ALPHA1	PX	.000417	.000417	0	0
61	KICKER1b	PX	.001	.001	0	0
62	KICKER1a	PX	.001	.001	0	0
63	KICKER3B	PX	.001	.001	0	0
64	KICKER3A	PX	.001	.001	0	0
65	KICKER2B	PX	.000796	.000796	0	0
66	KICKER2A	PX	.000796	.000796	0	0
67	FACE1	PX	.000485	.000485	0	0
68	FACE2	PX	.000485	.000485	0	0
69	FACE3	PX	.000243	.000243	0	0
70	BACKCHANNEL3	PX	.000878	.000878	0	0
71	BACKCHANNEL2	PX	.000878	.000878	0	0
72	BACKCHANNEL1	PX	.000878	.000878	0	0

Member Distributed Loads (BLC 24 : Maintenance (270))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
1	VERT3	PX	.00036	.00036	0	0
2	VERT2	PX	.00036	.00036	0	0
3	VERT1	PX	.00036	.00036	0	0
4	TB3	PX	.00019	.00019	0	0
5	TB2	PX	.00019	.00019	0	0
6	TB1	PX	.00019	.00019	0	0
7	SO3	PX	.000422	.000422	0	0
8	SO2	PX	.000422	.000422	0	0
9	SO1	PX	.000422	.000422	0	0
10	RAIL1	PX	.000448	.000448	0	0
11	RAIL2	PX	.000448	.000448	0	0
12	RAIL3	PX	.000224	.000224	0	0
13	MP GAMMA4	PX	.000482	.000482	0	0
14	MP GAMMA3	PX	.000482	.000482	0	0
15	MP GAMMA2	PX	.000482	.000482	0	0
16	MP GAMMA1	PX	.000482	.000482	0	0
17	MP BETA4	PX	.000482	.000482	0	0
18	MP BETA3	PX	.000482	.000482	0	0
19	MP BETA2	PX	.000482	.000482	0	0
20	MP BETA1	PX	.000482	.000482	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 24 : Maintenance (270)) (Continued)

	Member Label	Direction	Start Magnitude	End Magnitude	Start Location[ft]	End Location[ft]
21	MP ALPHA4	PX	.000482	.000482	0	0
22	MP ALPHA3	PX	.000482	.000482	0	0
23	MP ALPHA2	PX	.000482	.000482	0	0
24	MP ALPHA1	PX	.000482	.000482	0	0
25	KICKER1b	PX	.002	.002	0	0
26	KICKER1a	PX	.002	.002	0	0
27	KICKER3B	PX	.002	.002	0	0
28	KICKER3A	PX	.002	.002	0	0
29	KICKER2B	PX	.000919	.000919	0	0
30	KICKER2A	PX	.000919	.000919	0	0
31	FACE1	PX	.00056	.00056	0	0
32	FACE2	PX	.00056	.00056	0	0
33	FACE3	PX	.00028	.00028	0	0
34	BACKCHANNEL3	PX	.001	.001	0	0
35	BACKCHANNEL2	PX	.001	.001	0	0
36	BACKCHANNEL1	PX	.001	.001	0	0

Member Distributed Loads (BLC 25 : Maintenance (300))

	Member Label	Direction	Start Magnitude	End Magnitude	Start Location[ft]	End Location[ft]
1	VERT3	PY	-.00018	-.00018	0	0
2	VERT2	PY	-.00018	-.00018	0	0
3	VERT1	PY	-.00018	-.00018	0	0
4	TB3	PY	-9.5e-5	-9.5e-5	0	0
5	TB2	PY	-9.5e-5	-9.5e-5	0	0
6	TB1	PY	-9.5e-5	-9.5e-5	0	0
7	SO3	PY	-.000211	-.000211	0	0
8	SO2	PY	-.000211	-.000211	0	0
9	SO1	PY	-.000211	-.000211	0	0
10	RAIL1	PY	-.000224	-.000224	0	0
11	RAIL2	PY	-.000224	-.000224	0	0
12	RAIL3	PY	-.000112	-.000112	0	0
13	MP GAMMA4	PY	-.000241	-.000241	0	0
14	MP GAMMA3	PY	-.000241	-.000241	0	0
15	MP GAMMA2	PY	-.000241	-.000241	0	0
16	MP GAMMA1	PY	-.000241	-.000241	0	0
17	MP BETA4	PY	-.000241	-.000241	0	0
18	MP BETA3	PY	-.000241	-.000241	0	0
19	MP BETA2	PY	-.000241	-.000241	0	0
20	MP BETA1	PY	-.000241	-.000241	0	0
21	MP ALPHA4	PY	-.000241	-.000241	0	0
22	MP ALPHA3	PY	-.000241	-.000241	0	0
23	MP ALPHA2	PY	-.000241	-.000241	0	0
24	MP ALPHA1	PY	-.000241	-.000241	0	0
25	KICKER1b	PY	-.000817	-.000817	0	0
26	KICKER1a	PY	-.000817	-.000817	0	0
27	KICKER3B	PY	-.000817	-.000817	0	0
28	KICKER3A	PY	-.000817	-.000817	0	0
29	KICKER2B	PY	-.00046	-.00046	0	0
30	KICKER2A	PY	-.00046	-.00046	0	0
31	FACE1	PY	-.00028	-.00028	0	0
32	FACE2	PY	-.00028	-.00028	0	0
33	FACE3	PY	-.00014	-.00014	0	0
34	BACKCHANNEL3	PY	-.000507	-.000507	0	0
35	BACKCHANNEL2	PY	-.000507	-.000507	0	0
36	BACKCHANNEL1	PY	-.000507	-.000507	0	0
37	VERT3	PX	.000312	.000312	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 25 : Maintenance (300)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
38	VERT2	PX	.000312	.000312	0	0
39	VERT1	PX	.000312	.000312	0	0
40	TB3	PX	.000165	.000165	0	0
41	TB2	PX	.000165	.000165	0	0
42	TB1	PX	.000165	.000165	0	0
43	SO3	PX	.000366	.000366	0	0
44	SO2	PX	.000366	.000366	0	0
45	SO1	PX	.000366	.000366	0	0
46	RAIL1	PX	.000388	.000388	0	0
47	RAIL2	PX	.000388	.000388	0	0
48	RAIL3	PX	.000194	.000194	0	0
49	MP GAMMA4	PX	.000417	.000417	0	0
50	MP GAMMA3	PX	.000417	.000417	0	0
51	MP GAMMA2	PX	.000417	.000417	0	0
52	MP GAMMA1	PX	.000417	.000417	0	0
53	MP BETA4	PX	.000417	.000417	0	0
54	MP BETA3	PX	.000417	.000417	0	0
55	MP BETA2	PX	.000417	.000417	0	0
56	MP BETA1	PX	.000417	.000417	0	0
57	MP ALPHA4	PX	.000417	.000417	0	0
58	MP ALPHA3	PX	.000417	.000417	0	0
59	MP ALPHA2	PX	.000417	.000417	0	0
60	MP ALPHA1	PX	.000417	.000417	0	0
61	KICKER1b	PX	.001	.001	0	0
62	KICKER1a	PX	.001	.001	0	0
63	KICKER3B	PX	.001	.001	0	0
64	KICKER3A	PX	.001	.001	0	0
65	KICKER2B	PX	.000796	.000796	0	0
66	KICKER2A	PX	.000796	.000796	0	0
67	FACE1	PX	.000485	.000485	0	0
68	FACE2	PX	.000485	.000485	0	0
69	FACE3	PX	.000243	.000243	0	0
70	BACKCHANNEL3	PX	.000878	.000878	0	0
71	BACKCHANNEL2	PX	.000878	.000878	0	0
72	BACKCHANNEL1	PX	.000878	.000878	0	0

Member Distributed Loads (BLC 26 : Maintenance (330))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
1	VERT3	PY	-.000312	-.000312	0	0
2	VERT2	PY	-.000312	-.000312	0	0
3	VERT1	PY	-.000312	-.000312	0	0
4	TB3	PY	-.000165	-.000165	0	0
5	TB2	PY	-.000165	-.000165	0	0
6	TB1	PY	-.000165	-.000165	0	0
7	SO3	PY	-.000366	-.000366	0	0
8	SO2	PY	-.000366	-.000366	0	0
9	SO1	PY	-.000366	-.000366	0	0
10	RAIL3	PY	-.000388	-.000388	0	0
11	RAIL2	PY	-.000388	-.000388	0	0
12	RAIL1	PY	-.000194	-.000194	0	0
13	MP GAMMA4	PY	-.000417	-.000417	0	0
14	MP GAMMA3	PY	-.000417	-.000417	0	0
15	MP GAMMA2	PY	-.000417	-.000417	0	0
16	MP GAMMA1	PY	-.000417	-.000417	0	0
17	MP BETA4	PY	-.000417	-.000417	0	0
18	MP BETA3	PY	-.000417	-.000417	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 26 : Maintenance (330)) (Continued)

	Member Label	Direction	Start Magnitude	End Magnitude	Start Location[ft]	End Location[ft]
19	MP BETA2	PY	-0.000417	-0.000417	0	0
20	MP BETA1	PY	-0.000417	-0.000417	0	0
21	MP ALPHA4	PY	-0.000417	-0.000417	0	0
22	MP ALPHA3	PY	-0.000417	-0.000417	0	0
23	MP ALPHA2	PY	-0.000417	-0.000417	0	0
24	MP ALPHA1	PY	-0.000417	-0.000417	0	0
25	KICKER3B	PY	-0.001	-0.001	0	0
26	KICKER3A	PY	-0.001	-0.001	0	0
27	KICKER2B	PY	-0.001	-0.001	0	0
28	KICKER2A	PY	-0.001	-0.001	0	0
29	KICKER1b	PY	-0.000796	-0.000796	0	0
30	KICKER1a	PY	-0.000796	-0.000796	0	0
31	FACE3	PY	-0.000485	-0.000485	0	0
32	FACE2	PY	-0.000485	-0.000485	0	0
33	FACE1	PY	-0.000243	-0.000243	0	0
34	BACKCHANNEL3	PY	-0.000878	-0.000878	0	0
35	BACKCHANNEL2	PY	-0.000878	-0.000878	0	0
36	BACKCHANNEL1	PY	-0.000878	-0.000878	0	0
37	VERT3	PX	.00018	.00018	0	0
38	VERT2	PX	.00018	.00018	0	0
39	VERT1	PX	.00018	.00018	0	0
40	TB3	PX	9.5e-5	9.5e-5	0	0
41	TB2	PX	9.5e-5	9.5e-5	0	0
42	TB1	PX	9.5e-5	9.5e-5	0	0
43	SO3	PX	.000211	.000211	0	0
44	SO2	PX	.000211	.000211	0	0
45	SO1	PX	.000211	.000211	0	0
46	RAIL3	PX	.000224	.000224	0	0
47	RAIL2	PX	.000224	.000224	0	0
48	RAIL1	PX	.000112	.000112	0	0
49	MP GAMMA4	PX	.000241	.000241	0	0
50	MP GAMMA3	PX	.000241	.000241	0	0
51	MP GAMMA2	PX	.000241	.000241	0	0
52	MP GAMMA1	PX	.000241	.000241	0	0
53	MP BETA4	PX	.000241	.000241	0	0
54	MP BETA3	PX	.000241	.000241	0	0
55	MP BETA2	PX	.000241	.000241	0	0
56	MP BETA1	PX	.000241	.000241	0	0
57	MP ALPHA4	PX	.000241	.000241	0	0
58	MP ALPHA3	PX	.000241	.000241	0	0
59	MP ALPHA2	PX	.000241	.000241	0	0
60	MP ALPHA1	PX	.000241	.000241	0	0
61	KICKER3B	PX	.000817	.000817	0	0
62	KICKER3A	PX	.000817	.000817	0	0
63	KICKER2B	PX	.000817	.000817	0	0
64	KICKER2A	PX	.000817	.000817	0	0
65	KICKER1b	PX	.00046	.00046	0	0
66	KICKER1a	PX	.00046	.00046	0	0
67	FACE3	PX	.00028	.00028	0	0
68	FACE2	PX	.00028	.00028	0	0
69	FACE1	PX	.00014	.00014	0	0
70	BACKCHANNEL3	PX	.000507	.000507	0	0
71	BACKCHANNEL2	PX	.000507	.000507	0	0
72	BACKCHANNEL1	PX	.000507	.000507	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Start Magnitude	End Magnitude	Start Location[ft]	End Location[ft]
--	--------------	-----------	-----------------	---------------	--------------------	------------------



Member Distributed Loads (BLC 27 : Ice Dead Load) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
1	VERT3	Z	-0.08	-0.08	0	0
2	VERT2	Z	-0.08	-0.08	0	0
3	VERT1	Z	-0.08	-0.08	0	0
4	TB3	Z	-0.05	-0.05	0	0
5	TB2	Z	-0.05	-0.05	0	0
6	TB1	Z	-0.05	-0.05	0	0
7	SO3	Z	-0.09	-0.09	0	0
8	SO2	Z	-0.09	-0.09	0	0
9	SO1	Z	-0.09	-0.09	0	0
10	RAIL3	Z	-0.05	-0.05	0	0
11	RAIL2	Z	-0.05	-0.05	0	0
12	RAIL1	Z	-0.05	-0.05	0	0
13	MP GAMMA4	Z	-0.05	-0.05	0	0
14	MP GAMMA3	Z	-0.05	-0.05	0	0
15	MP GAMMA2	Z	-0.05	-0.05	0	0
16	MP GAMMA1	Z	-0.05	-0.05	0	0
17	MP BETA4	Z	-0.05	-0.05	0	0
18	MP BETA3	Z	-0.05	-0.05	0	0
19	MP BETA2	Z	-0.05	-0.05	0	0
20	MP BETA1	Z	-0.05	-0.05	0	0
21	MP ALPHA4	Z	-0.05	-0.05	0	0
22	MP ALPHA3	Z	-0.05	-0.05	0	0
23	MP ALPHA2	Z	-0.05	-0.05	0	0
24	MP ALPHA1	Z	-0.05	-0.05	0	0
25	KICKER3B	Z	-0.14	-0.14	0	0
26	KICKER3A	Z	-0.14	-0.14	0	0
27	KICKER2B	Z	-0.14	-0.14	0	0
28	KICKER2A	Z	-0.14	-0.14	0	0
29	KICKER1b	Z	-0.14	-0.14	0	0
30	KICKER1a	Z	-0.14	-0.14	0	0
31	FACE3	Z	-0.06	-0.06	0	0
32	FACE2	Z	-0.06	-0.06	0	0
33	FACE1	Z	-0.06	-0.06	0	0
34	BACKCHANNEL3	Z	-0.19	-0.19	0	0
35	BACKCHANNEL2	Z	-0.19	-0.19	0	0
36	BACKCHANNEL1	Z	-0.19	-0.19	0	0

Member Distributed Loads (BLC 28 : Ice Wind Load (0))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
1	VERT3	PY	-0.02	-0.02	0	0
2	VERT2	PY	-0.02	-0.02	0	0
3	VERT1	PY	-0.02	-0.02	0	0
4	TB3	PY	-0.01	-0.01	0	0
5	TB2	PY	-0.01	-0.01	0	0
6	TB1	PY	-0.01	-0.01	0	0
7	SO3	PY	-0.02	-0.02	0	0
8	SO2	PY	-0.02	-0.02	0	0
9	SO1	PY	-0.02	-0.02	0	0
10	RAIL3	PY	-0.03	-0.03	0	0
11	RAIL2	PY	-0.03	-0.03	0	0
12	RAIL1	PY	-0.01	-0.01	0	0
13	MP GAMMA4	PY	-0.03	-0.03	0	0
14	MP GAMMA3	PY	-0.03	-0.03	0	0
15	MP GAMMA2	PY	-0.03	-0.03	0	0
16	MP GAMMA1	PY	-0.03	-0.03	0	0
17	MP BETA4	PY	-0.03	-0.03	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 28 : Ice Wind Load (0)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
18	MP BETA3	PY	-0.03	-0.03	0	0
19	MP BETA2	PY	-0.03	-0.03	0	0
20	MP BETA1	PY	-0.03	-0.03	0	0
21	MP ALPHA4	PY	-0.03	-0.03	0	0
22	MP ALPHA3	PY	-0.03	-0.03	0	0
23	MP ALPHA2	PY	-0.03	-0.03	0	0
24	MP ALPHA1	PY	-0.03	-0.03	0	0
25	KICKER3B	PY	-0.06	-0.06	0	0
26	KICKER3A	PY	-0.06	-0.06	0	0
27	KICKER2B	PY	-0.06	-0.06	0	0
28	KICKER2A	PY	-0.06	-0.06	0	0
29	KICKER1b	PY	-0.04	-0.04	0	0
30	KICKER1a	PY	-0.04	-0.04	0	0
31	FACE3	PY	-0.03	-0.03	0	0
32	FACE2	PY	-0.03	-0.03	0	0
33	FACE1	PY	-0.02	-0.02	0	0
34	BACKCHANNEL3	PY	-0.04	-0.04	0	0
35	BACKCHANNEL2	PY	-0.04	-0.04	0	0
36	BACKCHANNEL1	PY	-0.04	-0.04	0	0

Member Distributed Loads (BLC 29 : Ice Wind Load (30))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Locationft...	End Locationft...
1	VERT3	PY	-0.02	-0.02	0	0
2	VERT2	PY	-0.02	-0.02	0	0
3	VERT1	PY	-0.02	-0.02	0	0
4	TB3	PY	-0.01	-0.01	0	0
5	TB2	PY	-0.01	-0.01	0	0
6	TB1	PY	-0.01	-0.01	0	0
7	SO3	PY	-0.02	-0.02	0	0
8	SO2	PY	-0.02	-0.02	0	0
9	SO1	PY	-0.02	-0.02	0	0
10	RAIL3	PY	-0.02	-0.02	0	0
11	RAIL2	PY	-0.02	-0.02	0	0
12	RAIL1	PY	-0.01	-0.01	0	0
13	MP GAMMA4	PY	-0.02	-0.02	0	0
14	MP GAMMA3	PY	-0.02	-0.02	0	0
15	MP GAMMA2	PY	-0.02	-0.02	0	0
16	MP GAMMA1	PY	-0.02	-0.02	0	0
17	MP BETA4	PY	-0.02	-0.02	0	0
18	MP BETA3	PY	-0.02	-0.02	0	0
19	MP BETA2	PY	-0.02	-0.02	0	0
20	MP BETA1	PY	-0.02	-0.02	0	0
21	MP ALPHA4	PY	-0.02	-0.02	0	0
22	MP ALPHA3	PY	-0.02	-0.02	0	0
23	MP ALPHA2	PY	-0.02	-0.02	0	0
24	MP ALPHA1	PY	-0.02	-0.02	0	0
25	KICKER3B	PY	-0.06	-0.06	0	0
26	KICKER3A	PY	-0.06	-0.06	0	0
27	KICKER2B	PY	-0.06	-0.06	0	0
28	KICKER2A	PY	-0.06	-0.06	0	0
29	KICKER1b	PY	-0.03	-0.03	0	0
30	KICKER1a	PY	-0.03	-0.03	0	0
31	FACE3	PY	-0.03	-0.03	0	0
32	FACE2	PY	-0.03	-0.03	0	0
33	FACE1	PY	-0.01	-0.01	0	0
34	BACKCHANNEL3	PY	-0.03	-0.03	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 29 : Ice Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
35	BACKCHANNEL2	PY	-.003	-.003	0	0
36	BACKCHANNEL1	PY	-.003	-.003	0	0
37	VERT3	PX	-.000954	-.000954	0	0
38	VERT2	PX	-.000954	-.000954	0	0
39	VERT1	PX	-.000954	-.000954	0	0
40	TB3	PX	-.000655	-.000655	0	0
41	TB2	PX	-.000655	-.000655	0	0
42	TB1	PX	-.000655	-.000655	0	0
43	SO3	PX	-.000921	-.000921	0	0
44	SO2	PX	-.000921	-.000921	0	0
45	SO1	PX	-.000921	-.000921	0	0
46	RAIL3	PX	-.001	-.001	0	0
47	RAIL2	PX	-.001	-.001	0	0
48	RAIL1	PX	-.000715	-.000715	0	0
49	MP GAMMA4	PX	-.001	-.001	0	0
50	MP GAMMA3	PX	-.001	-.001	0	0
51	MP GAMMA2	PX	-.001	-.001	0	0
52	MP GAMMA1	PX	-.001	-.001	0	0
53	MP BETA4	PX	-.001	-.001	0	0
54	MP BETA3	PX	-.001	-.001	0	0
55	MP BETA2	PX	-.001	-.001	0	0
56	MP BETA1	PX	-.001	-.001	0	0
57	MP ALPHA4	PX	-.001	-.001	0	0
58	MP ALPHA3	PX	-.001	-.001	0	0
59	MP ALPHA2	PX	-.001	-.001	0	0
60	MP ALPHA1	PX	-.001	-.001	0	0
61	KICKER3B	PX	-.003	-.003	0	0
62	KICKER3A	PX	-.003	-.003	0	0
63	KICKER2B	PX	-.003	-.003	0	0
64	KICKER2A	PX	-.003	-.003	0	0
65	KICKER1b	PX	-.002	-.002	0	0
66	KICKER1a	PX	-.002	-.002	0	0
67	FACE3	PX	-.002	-.002	0	0
68	FACE2	PX	-.002	-.002	0	0
69	FACE1	PX	-.000813	-.000813	0	0
70	BACKCHANNEL3	PX	-.002	-.002	0	0
71	BACKCHANNEL2	PX	-.002	-.002	0	0
72	BACKCHANNEL1	PX	-.002	-.002	0	0

Member Distributed Loads (BLC 30 : Ice Wind Load (60))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
1	VERT3	PY	-.000954	-.000954	0	0
2	VERT2	PY	-.000954	-.000954	0	0
3	VERT1	PY	-.000954	-.000954	0	0
4	TB3	PY	-.000655	-.000655	0	0
5	TB2	PY	-.000655	-.000655	0	0
6	TB1	PY	-.000655	-.000655	0	0
7	SO3	PY	-.000921	-.000921	0	0
8	SO2	PY	-.000921	-.000921	0	0
9	SO1	PY	-.000921	-.000921	0	0
10	RAIL3	PY	-.001	-.001	0	0
11	RAIL2	PY	-.001	-.001	0	0
12	RAIL1	PY	-.000715	-.000715	0	0
13	MP GAMMA4	PY	-.001	-.001	0	0
14	MP GAMMA3	PY	-.001	-.001	0	0
15	MP GAMMA2	PY	-.001	-.001	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 30 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude...	Start Locationft...	End Locationft...
16	MP GAMMA1	PY	-0.01	-0.01	0	0
17	MP BETA4	PY	-0.01	-0.01	0	0
18	MP BETA3	PY	-0.01	-0.01	0	0
19	MP BETA2	PY	-0.01	-0.01	0	0
20	MP BETA1	PY	-0.01	-0.01	0	0
21	MP ALPHA4	PY	-0.01	-0.01	0	0
22	MP ALPHA3	PY	-0.01	-0.01	0	0
23	MP ALPHA2	PY	-0.01	-0.01	0	0
24	MP ALPHA1	PY	-0.01	-0.01	0	0
25	KICKER3B	PY	-0.03	-0.03	0	0
26	KICKER3A	PY	-0.03	-0.03	0	0
27	KICKER2B	PY	-0.03	-0.03	0	0
28	KICKER2A	PY	-0.03	-0.03	0	0
29	KICKER1b	PY	-0.02	-0.02	0	0
30	KICKER1a	PY	-0.02	-0.02	0	0
31	FACE3	PY	-0.02	-0.02	0	0
32	FACE2	PY	-0.02	-0.02	0	0
33	FACE1	PY	-0.00813	-0.00813	0	0
34	BACKCHANNEL3	PY	-0.02	-0.02	0	0
35	BACKCHANNEL2	PY	-0.02	-0.02	0	0
36	BACKCHANNEL1	PY	-0.02	-0.02	0	0
37	VERT3	PX	-0.02	-0.02	0	0
38	VERT2	PX	-0.02	-0.02	0	0
39	VERT1	PX	-0.02	-0.02	0	0
40	TB3	PX	-0.01	-0.01	0	0
41	TB2	PX	-0.01	-0.01	0	0
42	TB1	PX	-0.01	-0.01	0	0
43	SO3	PX	-0.02	-0.02	0	0
44	SO2	PX	-0.02	-0.02	0	0
45	SO1	PX	-0.02	-0.02	0	0
46	RAIL3	PX	-0.02	-0.02	0	0
47	RAIL2	PX	-0.02	-0.02	0	0
48	RAIL1	PX	-0.01	-0.01	0	0
49	MP GAMMA4	PX	-0.02	-0.02	0	0
50	MP GAMMA3	PX	-0.02	-0.02	0	0
51	MP GAMMA2	PX	-0.02	-0.02	0	0
52	MP GAMMA1	PX	-0.02	-0.02	0	0
53	MP BETA4	PX	-0.02	-0.02	0	0
54	MP BETA3	PX	-0.02	-0.02	0	0
55	MP BETA2	PX	-0.02	-0.02	0	0
56	MP BETA1	PX	-0.02	-0.02	0	0
57	MP ALPHA4	PX	-0.02	-0.02	0	0
58	MP ALPHA3	PX	-0.02	-0.02	0	0
59	MP ALPHA2	PX	-0.02	-0.02	0	0
60	MP ALPHA1	PX	-0.02	-0.02	0	0
61	KICKER3B	PX	-0.06	-0.06	0	0
62	KICKER3A	PX	-0.06	-0.06	0	0
63	KICKER2B	PX	-0.06	-0.06	0	0
64	KICKER2A	PX	-0.06	-0.06	0	0
65	KICKER1b	PX	-0.03	-0.03	0	0
66	KICKER1a	PX	-0.03	-0.03	0	0
67	FACE3	PX	-0.03	-0.03	0	0
68	FACE2	PX	-0.03	-0.03	0	0
69	FACE1	PX	-0.01	-0.01	0	0
70	BACKCHANNEL3	PX	-0.03	-0.03	0	0
71	BACKCHANNEL2	PX	-0.03	-0.03	0	0
72	BACKCHANNEL1	PX	-0.03	-0.03	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 31 : Ice Wind Load (90))

	Member Label	Direction	Start Magnitude	End Magnitude	Start Location[ft]	End Location[ft]
1	VERT3	PX	-0.02	-0.02	0	0
2	VERT2	PX	-0.02	-0.02	0	0
3	VERT1	PX	-0.02	-0.02	0	0
4	TB3	PX	-0.01	-0.01	0	0
5	TB2	PX	-0.01	-0.01	0	0
6	TB1	PX	-0.01	-0.01	0	0
7	SO3	PX	-0.02	-0.02	0	0
8	SO2	PX	-0.02	-0.02	0	0
9	SO1	PX	-0.02	-0.02	0	0
10	RAIL1	PX	-0.03	-0.03	0	0
11	RAIL3	PX	-0.03	-0.03	0	0
12	RAIL2	PX	-0.01	-0.01	0	0
13	MP GAMMA4	PX	-0.03	-0.03	0	0
14	MP GAMMA3	PX	-0.03	-0.03	0	0
15	MP GAMMA2	PX	-0.03	-0.03	0	0
16	MP GAMMA1	PX	-0.03	-0.03	0	0
17	MP BETA4	PX	-0.03	-0.03	0	0
18	MP BETA3	PX	-0.03	-0.03	0	0
19	MP BETA2	PX	-0.03	-0.03	0	0
20	MP BETA1	PX	-0.03	-0.03	0	0
21	MP ALPHA4	PX	-0.03	-0.03	0	0
22	MP ALPHA3	PX	-0.03	-0.03	0	0
23	MP ALPHA2	PX	-0.03	-0.03	0	0
24	MP ALPHA1	PX	-0.03	-0.03	0	0
25	KICKER1b	PX	-0.06	-0.06	0	0
26	KICKER1a	PX	-0.06	-0.06	0	0
27	KICKER3B	PX	-0.06	-0.06	0	0
28	KICKER3A	PX	-0.06	-0.06	0	0
29	KICKER2B	PX	-0.04	-0.04	0	0
30	KICKER2A	PX	-0.04	-0.04	0	0
31	FACE1	PX	-0.03	-0.03	0	0
32	FACE3	PX	-0.03	-0.03	0	0
33	FACE2	PX	-0.02	-0.02	0	0
34	BACKCHANNEL3	PX	-0.04	-0.04	0	0
35	BACKCHANNEL2	PX	-0.04	-0.04	0	0
36	BACKCHANNEL1	PX	-0.04	-0.04	0	0

Member Distributed Loads (BLC 32 : Ice Wind Load (120))

	Member Label	Direction	Start Magnitude	End Magnitude	Start Location[ft]	End Location[ft]
1	VERT3	PY	.000954	.000954	0	0
2	VERT2	PY	.000954	.000954	0	0
3	VERT1	PY	.000954	.000954	0	0
4	TB3	PY	.000655	.000655	0	0
5	TB2	PY	.000655	.000655	0	0
6	TB1	PY	.000655	.000655	0	0
7	SO3	PY	.000921	.000921	0	0
8	SO2	PY	.000921	.000921	0	0
9	SO1	PY	.000921	.000921	0	0
10	RAIL1	PY	.001	.001	0	0
11	RAIL3	PY	.001	.001	0	0
12	RAIL2	PY	.000715	.000715	0	0
13	MP GAMMA4	PY	.001	.001	0	0
14	MP GAMMA3	PY	.001	.001	0	0
15	MP GAMMA2	PY	.001	.001	0	0
16	MP GAMMA1	PY	.001	.001	0	0
17	MP BETA4	PY	.001	.001	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 32 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude	End Magnitude	Start Locationft	End Locationft
18	MP BETA3	PY	.001	.001	0	0
19	MP BETA2	PY	.001	.001	0	0
20	MP BETA1	PY	.001	.001	0	0
21	MP ALPHA4	PY	.001	.001	0	0
22	MP ALPHA3	PY	.001	.001	0	0
23	MP ALPHA2	PY	.001	.001	0	0
24	MP ALPHA1	PY	.001	.001	0	0
25	KICKER1b	PY	.003	.003	0	0
26	KICKER1a	PY	.003	.003	0	0
27	KICKER3B	PY	.003	.003	0	0
28	KICKER3A	PY	.003	.003	0	0
29	KICKER2B	PY	.002	.002	0	0
30	KICKER2A	PY	.002	.002	0	0
31	FACE1	PY	.002	.002	0	0
32	FACE3	PY	.002	.002	0	0
33	FACE2	PY	.000813	.000813	0	0
34	BACKCHANNEL3	PY	.002	.002	0	0
35	BACKCHANNEL2	PY	.002	.002	0	0
36	BACKCHANNEL1	PY	.002	.002	0	0
37	VERT3	PX	-.002	-.002	0	0
38	VERT2	PX	-.002	-.002	0	0
39	VERT1	PX	-.002	-.002	0	0
40	TB3	PX	-.001	-.001	0	0
41	TB2	PX	-.001	-.001	0	0
42	TB1	PX	-.001	-.001	0	0
43	SO3	PX	-.002	-.002	0	0
44	SO2	PX	-.002	-.002	0	0
45	SO1	PX	-.002	-.002	0	0
46	RAIL1	PX	-.002	-.002	0	0
47	RAIL3	PX	-.002	-.002	0	0
48	RAIL2	PX	-.001	-.001	0	0
49	MP GAMMA4	PX	-.002	-.002	0	0
50	MP GAMMA3	PX	-.002	-.002	0	0
51	MP GAMMA2	PX	-.002	-.002	0	0
52	MP GAMMA1	PX	-.002	-.002	0	0
53	MP BETA4	PX	-.002	-.002	0	0
54	MP BETA3	PX	-.002	-.002	0	0
55	MP BETA2	PX	-.002	-.002	0	0
56	MP BETA1	PX	-.002	-.002	0	0
57	MP ALPHA4	PX	-.002	-.002	0	0
58	MP ALPHA3	PX	-.002	-.002	0	0
59	MP ALPHA2	PX	-.002	-.002	0	0
60	MP ALPHA1	PX	-.002	-.002	0	0
61	KICKER1b	PX	-.006	-.006	0	0
62	KICKER1a	PX	-.006	-.006	0	0
63	KICKER3B	PX	-.006	-.006	0	0
64	KICKER3A	PX	-.006	-.006	0	0
65	KICKER2B	PX	-.003	-.003	0	0
66	KICKER2A	PX	-.003	-.003	0	0
67	FACE1	PX	-.003	-.003	0	0
68	FACE3	PX	-.003	-.003	0	0
69	FACE2	PX	-.001	-.001	0	0
70	BACKCHANNEL3	PX	-.003	-.003	0	0
71	BACKCHANNEL2	PX	-.003	-.003	0	0
72	BACKCHANNEL1	PX	-.003	-.003	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 33 : Ice Wind Load (150))

	Member Label	Direction	Start Magnitude	End Magnitude	Start Location[ft]	End Location[ft]
1	VERT3	PY	.002	.002	0	0
2	VERT2	PY	.002	.002	0	0
3	VERT1	PY	.002	.002	0	0
4	TB3	PY	.001	.001	0	0
5	TB2	PY	.001	.001	0	0
6	TB1	PY	.001	.001	0	0
7	SO3	PY	.002	.002	0	0
8	SO2	PY	.002	.002	0	0
9	SO1	PY	.002	.002	0	0
10	RAIL1	PY	.002	.002	0	0
11	RAIL3	PY	.002	.002	0	0
12	RAIL2	PY	.001	.001	0	0
13	MP GAMMA4	PY	.002	.002	0	0
14	MP GAMMA3	PY	.002	.002	0	0
15	MP GAMMA2	PY	.002	.002	0	0
16	MP GAMMA1	PY	.002	.002	0	0
17	MP BETA4	PY	.002	.002	0	0
18	MP BETA3	PY	.002	.002	0	0
19	MP BETA2	PY	.002	.002	0	0
20	MP BETA1	PY	.002	.002	0	0
21	MP ALPHA4	PY	.002	.002	0	0
22	MP ALPHA3	PY	.002	.002	0	0
23	MP ALPHA2	PY	.002	.002	0	0
24	MP ALPHA1	PY	.002	.002	0	0
25	KICKER1b	PY	.006	.006	0	0
26	KICKER1a	PY	.006	.006	0	0
27	KICKER3B	PY	.006	.006	0	0
28	KICKER3A	PY	.006	.006	0	0
29	KICKER2B	PY	.003	.003	0	0
30	KICKER2A	PY	.003	.003	0	0
31	FACE1	PY	.003	.003	0	0
32	FACE3	PY	.003	.003	0	0
33	FACE2	PY	.001	.001	0	0
34	BACKCHANNEL3	PY	.003	.003	0	0
35	BACKCHANNEL2	PY	.003	.003	0	0
36	BACKCHANNEL1	PY	.003	.003	0	0
37	VERT3	PX	-.000954	-.000954	0	0
38	VERT2	PX	-.000954	-.000954	0	0
39	VERT1	PX	-.000954	-.000954	0	0
40	TB3	PX	-.000655	-.000655	0	0
41	TB2	PX	-.000655	-.000655	0	0
42	TB1	PX	-.000655	-.000655	0	0
43	SO3	PX	-.000921	-.000921	0	0
44	SO2	PX	-.000921	-.000921	0	0
45	SO1	PX	-.000921	-.000921	0	0
46	RAIL1	PX	-.001	-.001	0	0
47	RAIL3	PX	-.001	-.001	0	0
48	RAIL2	PX	-.000715	-.000715	0	0
49	MP GAMMA4	PX	-.001	-.001	0	0
50	MP GAMMA3	PX	-.001	-.001	0	0
51	MP GAMMA2	PX	-.001	-.001	0	0
52	MP GAMMA1	PX	-.001	-.001	0	0
53	MP BETA4	PX	-.001	-.001	0	0
54	MP BETA3	PX	-.001	-.001	0	0
55	MP BETA2	PX	-.001	-.001	0	0
56	MP BETA1	PX	-.001	-.001	0	0
57	MP ALPHA4	PX	-.001	-.001	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 33 : Ice Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude	End Magnitude	Start Locationft	End Locationft
58	MP ALPHA3	PX	-.001	-.001	0	0
59	MP ALPHA2	PX	-.001	-.001	0	0
60	MP ALPHA1	PX	-.001	-.001	0	0
61	KICKER1b	PX	-.003	-.003	0	0
62	KICKER1a	PX	-.003	-.003	0	0
63	KICKER3B	PX	-.003	-.003	0	0
64	KICKER3A	PX	-.003	-.003	0	0
65	KICKER2B	PX	-.002	-.002	0	0
66	KICKER2A	PX	-.002	-.002	0	0
67	FACE1	PX	-.002	-.002	0	0
68	FACE3	PX	-.002	-.002	0	0
69	FACE2	PX	-.000813	-.000813	0	0
70	BACKCHANNEL3	PX	-.002	-.002	0	0
71	BACKCHANNEL2	PX	-.002	-.002	0	0
72	BACKCHANNEL1	PX	-.002	-.002	0	0

Member Distributed Loads (BLC 34 : Ice Wind Load (180))

	Member Label	Direction	Start Magnitude	End Magnitude	Start Locationft	End Locationft
1	VERT3	PY	.002	.002	0	0
2	VERT2	PY	.002	.002	0	0
3	VERT1	PY	.002	.002	0	0
4	TB3	PY	.001	.001	0	0
5	TB2	PY	.001	.001	0	0
6	TB1	PY	.001	.001	0	0
7	SO3	PY	.002	.002	0	0
8	SO2	PY	.002	.002	0	0
9	SO1	PY	.002	.002	0	0
10	RAIL1	PY	.003	.003	0	0
11	RAIL3	PY	.003	.003	0	0
12	RAIL2	PY	.001	.001	0	0
13	MP GAMMA4	PY	.003	.003	0	0
14	MP GAMMA3	PY	.003	.003	0	0
15	MP GAMMA2	PY	.003	.003	0	0
16	MP GAMMA1	PY	.003	.003	0	0
17	MP BETA4	PY	.003	.003	0	0
18	MP BETA3	PY	.003	.003	0	0
19	MP BETA2	PY	.003	.003	0	0
20	MP BETA1	PY	.003	.003	0	0
21	MP ALPHA4	PY	.003	.003	0	0
22	MP ALPHA3	PY	.003	.003	0	0
23	MP ALPHA2	PY	.003	.003	0	0
24	MP ALPHA1	PY	.003	.003	0	0
25	KICKER1b	PY	.006	.006	0	0
26	KICKER1a	PY	.006	.006	0	0
27	KICKER3B	PY	.006	.006	0	0
28	KICKER3A	PY	.006	.006	0	0
29	KICKER2B	PY	.004	.004	0	0
30	KICKER2A	PY	.004	.004	0	0
31	FACE1	PY	.003	.003	0	0
32	FACE3	PY	.003	.003	0	0
33	FACE2	PY	.002	.002	0	0
34	BACKCHANNEL3	PY	.004	.004	0	0
35	BACKCHANNEL2	PY	.004	.004	0	0
36	BACKCHANNEL1	PY	.004	.004	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 35 : Ice Wind Load (210))

	Member Label	Direction	Start Magnitude	End Magnitude	Start Location[ft]	End Location[ft]
1	VERT3	PY	.002	.002	0	0
2	VERT2	PY	.002	.002	0	0
3	VERT1	PY	.002	.002	0	0
4	TB3	PY	.001	.001	0	0
5	TB2	PY	.001	.001	0	0
6	TB1	PY	.001	.001	0	0
7	SO3	PY	.002	.002	0	0
8	SO2	PY	.002	.002	0	0
9	SO1	PY	.002	.002	0	0
10	RAIL1	PY	.002	.002	0	0
11	RAIL2	PY	.002	.002	0	0
12	RAIL3	PY	.001	.001	0	0
13	MP GAMMA4	PY	.002	.002	0	0
14	MP GAMMA3	PY	.002	.002	0	0
15	MP GAMMA2	PY	.002	.002	0	0
16	MP GAMMA1	PY	.002	.002	0	0
17	MP BETA4	PY	.002	.002	0	0
18	MP BETA3	PY	.002	.002	0	0
19	MP BETA2	PY	.002	.002	0	0
20	MP BETA1	PY	.002	.002	0	0
21	MP ALPHA4	PY	.002	.002	0	0
22	MP ALPHA3	PY	.002	.002	0	0
23	MP ALPHA2	PY	.002	.002	0	0
24	MP ALPHA1	PY	.002	.002	0	0
25	KICKER1b	PY	.006	.006	0	0
26	KICKER1a	PY	.006	.006	0	0
27	KICKER3B	PY	.006	.006	0	0
28	KICKER3A	PY	.006	.006	0	0
29	KICKER2B	PY	.003	.003	0	0
30	KICKER2A	PY	.003	.003	0	0
31	FACE1	PY	.003	.003	0	0
32	FACE2	PY	.003	.003	0	0
33	FACE3	PY	.001	.001	0	0
34	BACKCHANNEL3	PY	.003	.003	0	0
35	BACKCHANNEL2	PY	.003	.003	0	0
36	BACKCHANNEL1	PY	.003	.003	0	0
37	VERT3	PX	.000954	.000954	0	0
38	VERT2	PX	.000954	.000954	0	0
39	VERT1	PX	.000954	.000954	0	0
40	TB3	PX	.000655	.000655	0	0
41	TB2	PX	.000655	.000655	0	0
42	TB1	PX	.000655	.000655	0	0
43	SO3	PX	.000921	.000921	0	0
44	SO2	PX	.000921	.000921	0	0
45	SO1	PX	.000921	.000921	0	0
46	RAIL1	PX	.001	.001	0	0
47	RAIL2	PX	.001	.001	0	0
48	RAIL3	PX	.000715	.000715	0	0
49	MP GAMMA4	PX	.001	.001	0	0
50	MP GAMMA3	PX	.001	.001	0	0
51	MP GAMMA2	PX	.001	.001	0	0
52	MP GAMMA1	PX	.001	.001	0	0
53	MP BETA4	PX	.001	.001	0	0
54	MP BETA3	PX	.001	.001	0	0
55	MP BETA2	PX	.001	.001	0	0
56	MP BETA1	PX	.001	.001	0	0
57	MP ALPHA4	PX	.001	.001	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 35 : Ice Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude	End Magnitude	Start Locationft	End Locationft
58	MP ALPHA3	PX	.001	.001	0	0
59	MP ALPHA2	PX	.001	.001	0	0
60	MP ALPHA1	PX	.001	.001	0	0
61	KICKER1b	PX	.003	.003	0	0
62	KICKER1a	PX	.003	.003	0	0
63	KICKER3B	PX	.003	.003	0	0
64	KICKER3A	PX	.003	.003	0	0
65	KICKER2B	PX	.002	.002	0	0
66	KICKER2A	PX	.002	.002	0	0
67	FACE1	PX	.002	.002	0	0
68	FACE2	PX	.002	.002	0	0
69	FACE3	PX	.000813	.000813	0	0
70	BACKCHANNEL3	PX	.002	.002	0	0
71	BACKCHANNEL2	PX	.002	.002	0	0
72	BACKCHANNEL1	PX	.002	.002	0	0

Member Distributed Loads (BLC 36 : Ice Wind Load (240))

	Member Label	Direction	Start Magnitude	End Magnitude	Start Locationft	End Locationft
1	VERT3	PY	.000954	.000954	0	0
2	VERT2	PY	.000954	.000954	0	0
3	VERT1	PY	.000954	.000954	0	0
4	TB3	PY	.000655	.000655	0	0
5	TB2	PY	.000655	.000655	0	0
6	TB1	PY	.000655	.000655	0	0
7	SO3	PY	.000921	.000921	0	0
8	SO2	PY	.000921	.000921	0	0
9	SO1	PY	.000921	.000921	0	0
10	RAIL1	PY	.001	.001	0	0
11	RAIL2	PY	.001	.001	0	0
12	RAIL3	PY	.000715	.000715	0	0
13	MP GAMMA4	PY	.001	.001	0	0
14	MP GAMMA3	PY	.001	.001	0	0
15	MP GAMMA2	PY	.001	.001	0	0
16	MP GAMMA1	PY	.001	.001	0	0
17	MP BETA4	PY	.001	.001	0	0
18	MP BETA3	PY	.001	.001	0	0
19	MP BETA2	PY	.001	.001	0	0
20	MP BETA1	PY	.001	.001	0	0
21	MP ALPHA4	PY	.001	.001	0	0
22	MP ALPHA3	PY	.001	.001	0	0
23	MP ALPHA2	PY	.001	.001	0	0
24	MP ALPHA1	PY	.001	.001	0	0
25	KICKER1b	PY	.003	.003	0	0
26	KICKER1a	PY	.003	.003	0	0
27	KICKER3B	PY	.003	.003	0	0
28	KICKER3A	PY	.003	.003	0	0
29	KICKER2B	PY	.002	.002	0	0
30	KICKER2A	PY	.002	.002	0	0
31	FACE1	PY	.002	.002	0	0
32	FACE2	PY	.002	.002	0	0
33	FACE3	PY	.000813	.000813	0	0
34	BACKCHANNEL3	PY	.002	.002	0	0
35	BACKCHANNEL2	PY	.002	.002	0	0
36	BACKCHANNEL1	PY	.002	.002	0	0
37	VERT3	PX	.002	.002	0	0
38	VERT2	PX	.002	.002	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 36 : Ice Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
39	VERT1	PX	.002	.002	0	0
40	TB3	PX	.001	.001	0	0
41	TB2	PX	.001	.001	0	0
42	TB1	PX	.001	.001	0	0
43	SO3	PX	.002	.002	0	0
44	SO2	PX	.002	.002	0	0
45	SO1	PX	.002	.002	0	0
46	RAIL1	PX	.002	.002	0	0
47	RAIL2	PX	.002	.002	0	0
48	RAIL3	PX	.001	.001	0	0
49	MP GAMMA4	PX	.002	.002	0	0
50	MP GAMMA3	PX	.002	.002	0	0
51	MP GAMMA2	PX	.002	.002	0	0
52	MP GAMMA1	PX	.002	.002	0	0
53	MP BETA4	PX	.002	.002	0	0
54	MP BETA3	PX	.002	.002	0	0
55	MP BETA2	PX	.002	.002	0	0
56	MP BETA1	PX	.002	.002	0	0
57	MP ALPHA4	PX	.002	.002	0	0
58	MP ALPHA3	PX	.002	.002	0	0
59	MP ALPHA2	PX	.002	.002	0	0
60	MP ALPHA1	PX	.002	.002	0	0
61	KICKER1b	PX	.006	.006	0	0
62	KICKER1a	PX	.006	.006	0	0
63	KICKER3B	PX	.006	.006	0	0
64	KICKER3A	PX	.006	.006	0	0
65	KICKER2B	PX	.003	.003	0	0
66	KICKER2A	PX	.003	.003	0	0
67	FACE1	PX	.003	.003	0	0
68	FACE2	PX	.003	.003	0	0
69	FACE3	PX	.001	.001	0	0
70	BACKCHANNEL3	PX	.003	.003	0	0
71	BACKCHANNEL2	PX	.003	.003	0	0
72	BACKCHANNEL1	PX	.003	.003	0	0

Member Distributed Loads (BLC 37 : Ice Wind Load (270))

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
1	VERT3	PX	.002	.002	0	0
2	VERT2	PX	.002	.002	0	0
3	VERT1	PX	.002	.002	0	0
4	TB3	PX	.001	.001	0	0
5	TB2	PX	.001	.001	0	0
6	TB1	PX	.001	.001	0	0
7	SO3	PX	.002	.002	0	0
8	SO2	PX	.002	.002	0	0
9	SO1	PX	.002	.002	0	0
10	RAIL1	PX	.003	.003	0	0
11	RAIL2	PX	.003	.003	0	0
12	RAIL3	PX	.001	.001	0	0
13	MP GAMMA4	PX	.003	.003	0	0
14	MP GAMMA3	PX	.003	.003	0	0
15	MP GAMMA2	PX	.003	.003	0	0
16	MP GAMMA1	PX	.003	.003	0	0
17	MP BETA4	PX	.003	.003	0	0
18	MP BETA3	PX	.003	.003	0	0
19	MP BETA2	PX	.003	.003	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 37 : Ice Wind Load (270)) (Continued)

	Member Label	Direction	Start Magnitude	End Magnitude	Start Locationft	End Locationft
20	MP BETA1	PX	.003	.003	0	0
21	MP ALPHA4	PX	.003	.003	0	0
22	MP ALPHA3	PX	.003	.003	0	0
23	MP ALPHA2	PX	.003	.003	0	0
24	MP ALPHA1	PX	.003	.003	0	0
25	KICKER1b	PX	.006	.006	0	0
26	KICKER1a	PX	.006	.006	0	0
27	KICKER3B	PX	.006	.006	0	0
28	KICKER3A	PX	.006	.006	0	0
29	KICKER2B	PX	.004	.004	0	0
30	KICKER2A	PX	.004	.004	0	0
31	FACE1	PX	.003	.003	0	0
32	FACE2	PX	.003	.003	0	0
33	FACE3	PX	.002	.002	0	0
34	BACKCHANNEL3	PX	.004	.004	0	0
35	BACKCHANNEL2	PX	.004	.004	0	0
36	BACKCHANNEL1	PX	.004	.004	0	0

Member Distributed Loads (BLC 38 : Ice Wind Load (300))

	Member Label	Direction	Start Magnitude	End Magnitude	Start Locationft	End Locationft
1	VERT3	PY	-.000954	-.000954	0	0
2	VERT2	PY	-.000954	-.000954	0	0
3	VERT1	PY	-.000954	-.000954	0	0
4	TB3	PY	-.000655	-.000655	0	0
5	TB2	PY	-.000655	-.000655	0	0
6	TB1	PY	-.000655	-.000655	0	0
7	SO3	PY	-.000921	-.000921	0	0
8	SO2	PY	-.000921	-.000921	0	0
9	SO1	PY	-.000921	-.000921	0	0
10	RAIL1	PY	-.001	-.001	0	0
11	RAIL2	PY	-.001	-.001	0	0
12	RAIL3	PY	-.000715	-.000715	0	0
13	MP GAMMA4	PY	-.001	-.001	0	0
14	MP GAMMA3	PY	-.001	-.001	0	0
15	MP GAMMA2	PY	-.001	-.001	0	0
16	MP GAMMA1	PY	-.001	-.001	0	0
17	MP BETA4	PY	-.001	-.001	0	0
18	MP BETA3	PY	-.001	-.001	0	0
19	MP BETA2	PY	-.001	-.001	0	0
20	MP BETA1	PY	-.001	-.001	0	0
21	MP ALPHA4	PY	-.001	-.001	0	0
22	MP ALPHA3	PY	-.001	-.001	0	0
23	MP ALPHA2	PY	-.001	-.001	0	0
24	MP ALPHA1	PY	-.001	-.001	0	0
25	KICKER1b	PY	-.003	-.003	0	0
26	KICKER1a	PY	-.003	-.003	0	0
27	KICKER3B	PY	-.003	-.003	0	0
28	KICKER3A	PY	-.003	-.003	0	0
29	KICKER2B	PY	-.002	-.002	0	0
30	KICKER2A	PY	-.002	-.002	0	0
31	FACE1	PY	-.002	-.002	0	0
32	FACE2	PY	-.002	-.002	0	0
33	FACE3	PY	-.000813	-.000813	0	0
34	BACKCHANNEL3	PY	-.002	-.002	0	0
35	BACKCHANNEL2	PY	-.002	-.002	0	0
36	BACKCHANNEL1	PY	-.002	-.002	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 38 : Ice Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude	End Magnitude	Start Location[ft]	End Location[ft]
37	VERT3	PX	.002	.002	0	0
38	VERT2	PX	.002	.002	0	0
39	VERT1	PX	.002	.002	0	0
40	TB3	PX	.001	.001	0	0
41	TB2	PX	.001	.001	0	0
42	TB1	PX	.001	.001	0	0
43	SO3	PX	.002	.002	0	0
44	SO2	PX	.002	.002	0	0
45	SO1	PX	.002	.002	0	0
46	RAIL1	PX	.002	.002	0	0
47	RAIL2	PX	.002	.002	0	0
48	RAIL3	PX	.001	.001	0	0
49	MP GAMMA4	PX	.002	.002	0	0
50	MP GAMMA3	PX	.002	.002	0	0
51	MP GAMMA2	PX	.002	.002	0	0
52	MP GAMMA1	PX	.002	.002	0	0
53	MP BETA4	PX	.002	.002	0	0
54	MP BETA3	PX	.002	.002	0	0
55	MP BETA2	PX	.002	.002	0	0
56	MP BETA1	PX	.002	.002	0	0
57	MP ALPHA4	PX	.002	.002	0	0
58	MP ALPHA3	PX	.002	.002	0	0
59	MP ALPHA2	PX	.002	.002	0	0
60	MP ALPHA1	PX	.002	.002	0	0
61	KICKER1b	PX	.006	.006	0	0
62	KICKER1a	PX	.006	.006	0	0
63	KICKER3B	PX	.006	.006	0	0
64	KICKER3A	PX	.006	.006	0	0
65	KICKER2B	PX	.003	.003	0	0
66	KICKER2A	PX	.003	.003	0	0
67	FACE1	PX	.003	.003	0	0
68	FACE2	PX	.003	.003	0	0
69	FACE3	PX	.001	.001	0	0
70	BACKCHANNEL3	PX	.003	.003	0	0
71	BACKCHANNEL2	PX	.003	.003	0	0
72	BACKCHANNEL1	PX	.003	.003	0	0

Member Distributed Loads (BLC 39 : Ice Wind Load (330))

	Member Label	Direction	Start Magnitude	End Magnitude	Start Location[ft]	End Location[ft]
1	VERT3	PY	-.002	-.002	0	0
2	VERT2	PY	-.002	-.002	0	0
3	VERT1	PY	-.002	-.002	0	0
4	TB3	PY	-.001	-.001	0	0
5	TB2	PY	-.001	-.001	0	0
6	TB1	PY	-.001	-.001	0	0
7	SO3	PY	-.002	-.002	0	0
8	SO2	PY	-.002	-.002	0	0
9	SO1	PY	-.002	-.002	0	0
10	RAIL3	PY	-.002	-.002	0	0
11	RAIL2	PY	-.002	-.002	0	0
12	RAIL1	PY	-.001	-.001	0	0
13	MP GAMMA4	PY	-.002	-.002	0	0
14	MP GAMMA3	PY	-.002	-.002	0	0
15	MP GAMMA2	PY	-.002	-.002	0	0
16	MP GAMMA1	PY	-.002	-.002	0	0
17	MP BETA4	PY	-.002	-.002	0	0



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Member Distributed Loads (BLC 39 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude	End Magnitude	Start Locationft	End Locationft
18	MP BETA3	PY	-.002	-.002	0	0
19	MP BETA2	PY	-.002	-.002	0	0
20	MP BETA1	PY	-.002	-.002	0	0
21	MP ALPHA4	PY	-.002	-.002	0	0
22	MP ALPHA3	PY	-.002	-.002	0	0
23	MP ALPHA2	PY	-.002	-.002	0	0
24	MP ALPHA1	PY	-.002	-.002	0	0
25	KICKER3B	PY	-.006	-.006	0	0
26	KICKER3A	PY	-.006	-.006	0	0
27	KICKER2B	PY	-.006	-.006	0	0
28	KICKER2A	PY	-.006	-.006	0	0
29	KICKER1b	PY	-.003	-.003	0	0
30	KICKER1a	PY	-.003	-.003	0	0
31	FACE3	PY	-.003	-.003	0	0
32	FACE2	PY	-.003	-.003	0	0
33	FACE1	PY	-.001	-.001	0	0
34	BACKCHANNEL3	PY	-.003	-.003	0	0
35	BACKCHANNEL2	PY	-.003	-.003	0	0
36	BACKCHANNEL1	PY	-.003	-.003	0	0
37	VERT3	PX	.000954	.000954	0	0
38	VERT2	PX	.000954	.000954	0	0
39	VERT1	PX	.000954	.000954	0	0
40	TB3	PX	.000655	.000655	0	0
41	TB2	PX	.000655	.000655	0	0
42	TB1	PX	.000655	.000655	0	0
43	SO3	PX	.000921	.000921	0	0
44	SO2	PX	.000921	.000921	0	0
45	SO1	PX	.000921	.000921	0	0
46	RAIL3	PX	.001	.001	0	0
47	RAIL2	PX	.001	.001	0	0
48	RAIL1	PX	.000715	.000715	0	0
49	MP GAMMA4	PX	.001	.001	0	0
50	MP GAMMA3	PX	.001	.001	0	0
51	MP GAMMA2	PX	.001	.001	0	0
52	MP GAMMA1	PX	.001	.001	0	0
53	MP BETA4	PX	.001	.001	0	0
54	MP BETA3	PX	.001	.001	0	0
55	MP BETA2	PX	.001	.001	0	0
56	MP BETA1	PX	.001	.001	0	0
57	MP ALPHA4	PX	.001	.001	0	0
58	MP ALPHA3	PX	.001	.001	0	0
59	MP ALPHA2	PX	.001	.001	0	0
60	MP ALPHA1	PX	.001	.001	0	0
61	KICKER3B	PX	.003	.003	0	0
62	KICKER3A	PX	.003	.003	0	0
63	KICKER2B	PX	.003	.003	0	0
64	KICKER2A	PX	.003	.003	0	0
65	KICKER1b	PX	.002	.002	0	0
66	KICKER1a	PX	.002	.002	0	0
67	FACE3	PX	.002	.002	0	0
68	FACE2	PX	.002	.002	0	0
69	FACE1	PX	.000813	.000813	0	0
70	BACKCHANNEL3	PX	.002	.002	0	0
71	BACKCHANNEL2	PX	.002	.002	0	0
72	BACKCHANNEL1	PX	.002	.002	0	0

Envelope Joint Reactions

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N34	max	.638	13	1.249	2	1.206	21	-1.164	2	3.074	22	1.468	17
2		min	-.573	26	-.891	20	.478	2	-2.973	21	-.055	2	-1.152	35
3	N7	max	.763	17	.51	2	1.175	3	-1.202	35	.559	25	1.773	14
4		min	-.913	35	-.961	20	.457	20	-3.032	18	-.159	5	-1.805	32
5	N44	max	0	41	0	41	0	41	0	41	0	41	0	41
6		min	0	1	0	1	0	1	0	1	0	1	0	1
7	N51	max	.856	11	1.078	5	1.176	27	1.543	36	-.991	26	1.93	2
8		min	-.39	29	-.988	23	.455	8	.63	14	-2.612	6	-1.967	20
9	N72	max	.817	8	.57	5	1.207	9	1.2	30	-.99	26	1.51	2
10		min	-1.191	26	-.819	20	.477	26	.535	11	-2.755	9	-1.255	20
11	N95	max	.805	11	.828	8	1.175	15	1.504	33	2.639	30	1.98	26
12		min	-1.122	29	-.475	26	.457	32	.473	14	1.087	11	-2.06	8
13	N116	max	1.078	11	.703	35	1.206	33	1.806	33	2.4	30	1.588	29
14		min	-.698	29	-.861	17	.478	14	.529	14	.999	11	-1.379	8
15	Totals:	max	4.519	11	4.564	2	7.022	12						
16		min	-4.519	29	-4.626	20	3.534	29						

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...)	Surface(P...
1	Live Load	DL					1		
2	Wind Load (0)	DL					36	36	
3	Dead Load	DL			-1.1		36		
4	Wind Load (30)	DL					72	72	
5	Wind Load (60)	DL					72	72	
6	Wind Load (90)	DL					36	36	
7	Wind Load (120)	DL					72	72	
8	Wind Load (150)	DL					72	72	
9	Wind Load (180)	DL					36	36	
10	Wind Load (210)	DL					72	72	
11	Wind Load (240)	DL					72	72	
12	Wind Load (270)	DL					36	36	
13	Wind Load (300)	DL					72	72	
14	Wind Load (330)	DL					72	72	
15	Maintenance (0)	DL					36	36	
16	Maintenance (30)	DL					72	72	
17	Maintenance (60)	DL					72	72	
18	Maintenance (90)	DL					36	36	
19	Maintenance (120)	DL					72	72	
20	Maintenance (150)	DL					72	72	
21	Maintenance (180)	DL					36	36	
22	Maintenance (210)	DL					72	72	
23	Maintenance (240)	DL					72	72	
24	Maintenance (270)	DL					36	36	
25	Maintenance (300)	DL					72	72	
26	Maintenance (330)	DL					72	72	
27	Ice Dead Load	DL					36	36	
28	Ice Wind Load (0)	DL					36	36	
29	Ice Wind Load (30)	DL					72	72	
30	Ice Wind Load (60)	DL					72	72	
31	Ice Wind Load (90)	DL					36	36	
32	Ice Wind Load (120)	DL					72	72	
33	Ice Wind Load (150)	DL					72	72	
34	Ice Wind Load (180)	DL					36	36	
35	Ice Wind Load (210)	DL					72	72	



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
36	Ice Wind Load (240)	DL					72	72	
37	Ice Wind Load (270)	DL					36	36	
38	Ice Wind Load (300)	DL					72	72	
39	Ice Wind Load (330)	DL					72	72	
40	Earthquake (x-directi...	DL	-0.116				36		
41	Earthquake (y-directi...	DL		-0.116			36		
42	Earthquake (z-directi...	DL			-0.046		36		

Load Combinations

	Description	So...	P...	S...	BLC Fact...	BLC Fa...	BLC Fact...	BLC Fact...	BLC Fact...	BLC Fact...	BLC Fact...	BLC Fact...	BLC Fact...
1	1.4D	Yes	Y		3	1.4							
2	1.2D + 1.0W(0)	Yes	Y		3	1.2	2	1					
3	1.2D + 1.0Di + 1...	Yes	Y		3	1.2	27	1	28	1			
4	1.2D + 1.5L + 1...	Yes	Y		3	1.2	1	1.5	15	1			
5	1.2D + 1.0W(30)	Yes	Y		3	1.2	4	1					
6	1.2D + 1.0Di + 1...	Yes	Y		3	1.2	27	1	29	1			
7	1.2D + 1.5L + 1...	Yes	Y		3	1.2	1	1.5	16	1			
8	1.2D + 1.0W(60)	Yes	Y		3	1.2	5	1					
9	1.2D + 1.0Di + 1...	Yes	Y		3	1.2	27	1	30	1			
10	1.2D + 1.5L + 1...	Yes	Y		3	1.2	1	1.5	17	1			
11	1.2D + 1.0W(90)	Yes	Y		3	1.2	6	1					
12	1.2D + 1.0Di + 1...	Yes	Y		3	1.2	27	1	31	1			
13	1.2D + 1.5L + 1...	Yes	Y		3	1.2	1	1.5	18	1			
14	1.2D + 1.0W(120)	Yes	Y		3	1.2	7	1					
15	1.2D + 1.0Di + 1...	Yes	Y		3	1.2	27	1	32	1			
16	1.2D + 1.5L + 1...	Yes	Y		3	1.2	1	1.5	19	1			
17	1.2D + 1.0W(150)	Yes	Y		3	1.2	8	1					
18	1.2D + 1.0Di + 1...	Yes	Y		3	1.2	27	1	33	1			
19	1.2D + 1.5L + 1...	Yes	Y		3	1.2	1	1.5	20	1			
20	1.2D + 1.0W(180)	Yes	Y		3	1.2	9	1					
21	1.2D + 1.0Di + 1...	Yes	Y		3	1.2	27	1	34	1			
22	1.2D + 1.5L + 1...	Yes	Y		3	1.2	1	1.5	21	1			
23	1.2D + 1.0W(210)	Yes	Y		3	1.2	10	1					
24	1.2D + 1.0Di + 1...	Yes	Y		3	1.2	27	1	35	1			
25	1.2D + 1.5L + 1...	Yes	Y		3	1.2	1	1.5	22	1			
26	1.2D + 1.0W(240)	Yes	Y		3	1.2	11	1					
27	1.2D + 1.0Di + 1...	Yes	Y		3	1.2	27	1	36	1			
28	1.2D + 1.5L + 1...	Yes	Y		3	1.2	1	1.5	23	1			
29	1.2D + 1.0W(270)	Yes	Y		3	1.2	12	1					
30	1.2D + 1.0Di + 1...	Yes	Y		3	1.2	27	1	37	1			
31	1.2D + 1.5L + 1...	Yes	Y		3	1.2	1	1.5	24	1			
32	1.2D + 1.0W(300)	Yes	Y		3	1.2	13	1					
33	1.2D + 1.0Di + 1...	Yes	Y		3	1.2	27	1	38	1			
34	1.2D + 1.5L + 1...	Yes	Y		3	1.2	1	1.5	25	1			
35	1.2D + 1.0W(330)	Yes	Y		3	1.2	14	1					
36	1.2D + 1.0Di + 1...	Yes	Y		3	1.2	27	1	39	1			
37	1.2D + 1.5L + 1...	Yes	Y		3	1.2	1	1.5	26	1			
38	1.2D + 1.0E(x) + ...	Yes	Y		3	1.2	40	1	42	1	1	1	
39	1.2D + 1.0E(y) + ...	Yes	Y		3	1.2	41	1	42	1	1	1	
40	1.2D - 1.0E(x) + ...	Yes	Y		3	1.2	40	-1	42	1	1	1	
41	1.2D - 1.0E(y) + ...	Yes	Y		3	1.2	41	-1	42	1	1	1	



Company : POD Group
 Designer : DP
 Job Number : 20-65093
 Model Name : 842873

June 11, 2020
 2:34 PM
 Checked By: _____

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

Member	Shape	Code Check	Loc[ft]	LC	She...	Loc...	Dir	LC	phi*Pn...	phi*Pn...	phi*M...	phi*M...	Eqn	
1	VERT3	PIPE 4.0	.000	.75	29	.000	.75	29	92.571	93.24	10.631	10.631	1 H1-1b	
2	VERT2	PIPE 4.0	.000	.75	17	.000	.75	17	92.571	93.24	10.631	10.631	H1-1b	
3	VERT1	PIPE 4.0	.000	.75	5	.000	.75	35	92.571	93.24	10.631	10.631	H1-1b	
4	TB3	PIPE 2.0	.038	3.595	3	.027	0	30	17.284	32.13	1.872	1.872	H1-1b	
5	TB2	PIPE 2.0	.038	3.595	15	.027	0	6	17.284	32.13	1.872	1.872	H1-1b	
6	TB1	PIPE 2.0	.037	3.595	27	.036	0	19	17.284	32.13	1.872	1.872	H1-1b	
7	SO3	HSS4X4X4 HRA	.225	2.833	2	.036	2.8...	z	27	134.91	139.518	16.181	16.181	H1-1b
8	SO2	HSS4X4X4 HRA	.228	2.833	26	.036	2.8...	z	15	134.91	139.518	16.181	16.181	H1-1b
9	SO1	HSS4X4X4 HRA	.216	2.833	17	.064	2.8...	z	25	134.91	139.518	16.181	16.181	H1-1b
10	RAIL3	PIPE 2.5	.197	2.474	8	.064	2.6...		21	14.559	50.715	3.596	3.596	H1-1b
11	RAIL2	PIPE 2.5	.197	2.474	32	.064	2.6...		9	14.559	50.715	3.596	3.596	H1-1b
12	RAIL1	PIPE 2.5	.216	.521	4	.064	2.6...		33	14.559	50.715	3.596	3.596	H1-1b
13	MP GAMMA4	PIPE 2.0	.187	2.975	30	.062	2.9...		26	23.779	32.13	1.872	1.872	H1-1b
14	MP GAMMA3	PIPE 2.0	.192	3.875	21	.077	5.8...		26	15.637	32.13	1.872	1.872	H1-1b
15	MP GAMMA2	PIPE 2.0	.467	3.875	26	.060	3.8...		26	15.637	32.13	1.872	1.872	H1-1b
16	MP GAMMA1	PIPE 2.0	.225	2.972	18	.060	2.9...		14	23.791	32.13	1.872	1.872	H1-1b
17	MP BETA4	PIPE 2.0	.187	2.975	18	.062	2.9...		14	23.779	32.13	1.872	1.872	H1-1b
18	MP BETA3	PIPE 2.0	.193	3.875	9	.077	5.8...		14	15.637	32.13	1.872	1.872	H1-1b
19	MP BETA2	PIPE 2.0	.467	3.875	14	.060	3.8...		14	15.637	32.13	1.872	1.872	H1-1b
20	MP BETA1	PIPE 2.0	.225	2.972	9	.059	2.9...		2	23.791	32.13	1.872	1.872	H1-1b
21	MP ALPHA4	PIPE 2.0	.417	1.044	4	.100	2.9...		19	23.779	32.13	1.872	1.872	H1-1b
22	MP ALPHA3	PIPE 2.0	.274	3.875	37	.078	5.8...		2	15.637	32.13	1.872	1.872	H1-1b
23	MP ALPHA2	PIPE 2.0	.472	3.875	20	.060	3.8...		2	15.637	32.13	1.872	1.872	H1-1b
24	MP ALPHA1	PIPE 2.0	.224	2.972	33	.058	2.9...		23	23.791	32.13	1.872	1.872	H1-1b
25	KICKER3B	C5.44x3.7x0.188	.223	4.302	14	.031	4.3...	y	9	57.853	75.921	4.02	13.118	H1-1b
26	KICKER3A	C5.44x3.7x0.188	.283	4.302	2	.026	3.63	y	12	57.853	75.921	4.02	13.118	H1-1b
27	KICKER2B	C5.44x3.7x0.188	.227	4.302	8	.031	4.3...	y	33	57.853	75.921	4.02	13.118	H1-1b
28	KICKER2A	C5.44x3.7x0.188	.294	4.302	29	.026	3.4...	y	3	57.853	75.921	4.02	13.118	H1-1b
29	KICKER1b	C5.44x3.7x0.188	.281	4.302	17	.026	3.8...	y	21	57.853	75.921	4.02	13.118	H1-1b
30	KICKER1a	C5.44x3.7x0.188	.387	4.302	19	.058	2.24	y	25	57.853	75.921	5.617	13.118	H1-1b
31	FACE3	PIPE 3.0	.180	6.25	9	.141	6.25		26	28.251	65.205	5.749	5.749	H1-1b
32	FACE2	PIPE 3.0	.179	6.25	30	.142	6.25		14	28.251	65.205	5.749	5.749	H1-1b
33	FACE1	PIPE 3.0	.241	6.25	22	.142	6.25		2	28.251	65.205	5.749	5.749	H1-1b
34	BACKCHANNEL3	C6X6.5X0.25	.597	0	12	.182	.75	z	9	118.777	149.85	11.09	30.333	H1-1b
35	BACKCHANNEL2	C6X6.5X0.25	.596	0	36	.183	.75	z	33	118.777	149.85	11.09	30.333	H1-1b
36	BACKCHANNEL1	C6X6.5X0.25	.591	0	27	.298	.75	z	22	118.777	149.85	11.09	30.333	H1-1b

APPENDIX D

Additional Calculations

POD Job # 20-65093
Site Number 842873
Site Name SHELTON_RT8 - AT&T

Calculations Based on TIA-222-H

Reactions from RISA-3D

Moment 3.032 ft-kip
 Axial 0.913 kips
 Shear 1.176 kips

Bolt Information

Grade A325
 Threads in Shear Plane Included
 Diameter 0.625 in.
 Bolt Spacing 6 in.
 Number of Rods 4

Flange Plate Information

Width 8 in.
 Thickness 0.75 in.
 Grade A36

Standoff Information

Standoff Member HSS
 Flat-Flat 4 in.
 Thickness 0.25 in.

Bolt Calculations

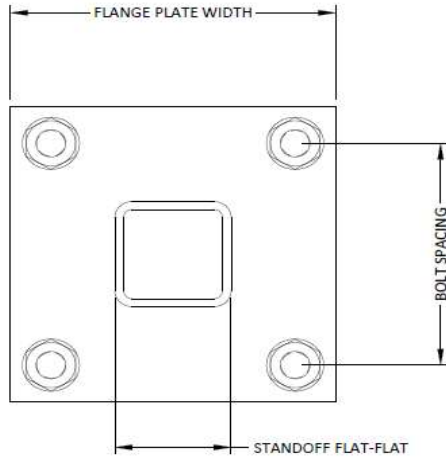
ϕ 0.75
 A_{nt} 0.226 in²
 A_b 0.307 in²
 F_u 120 ksi
 ϕR_{nt} 13.81 kips
 ϕR_{nt} 20.34 kips
 V 0.29 kips
 F 3.25 kips
 Capacity 2.6%

Flange Plate Calculations

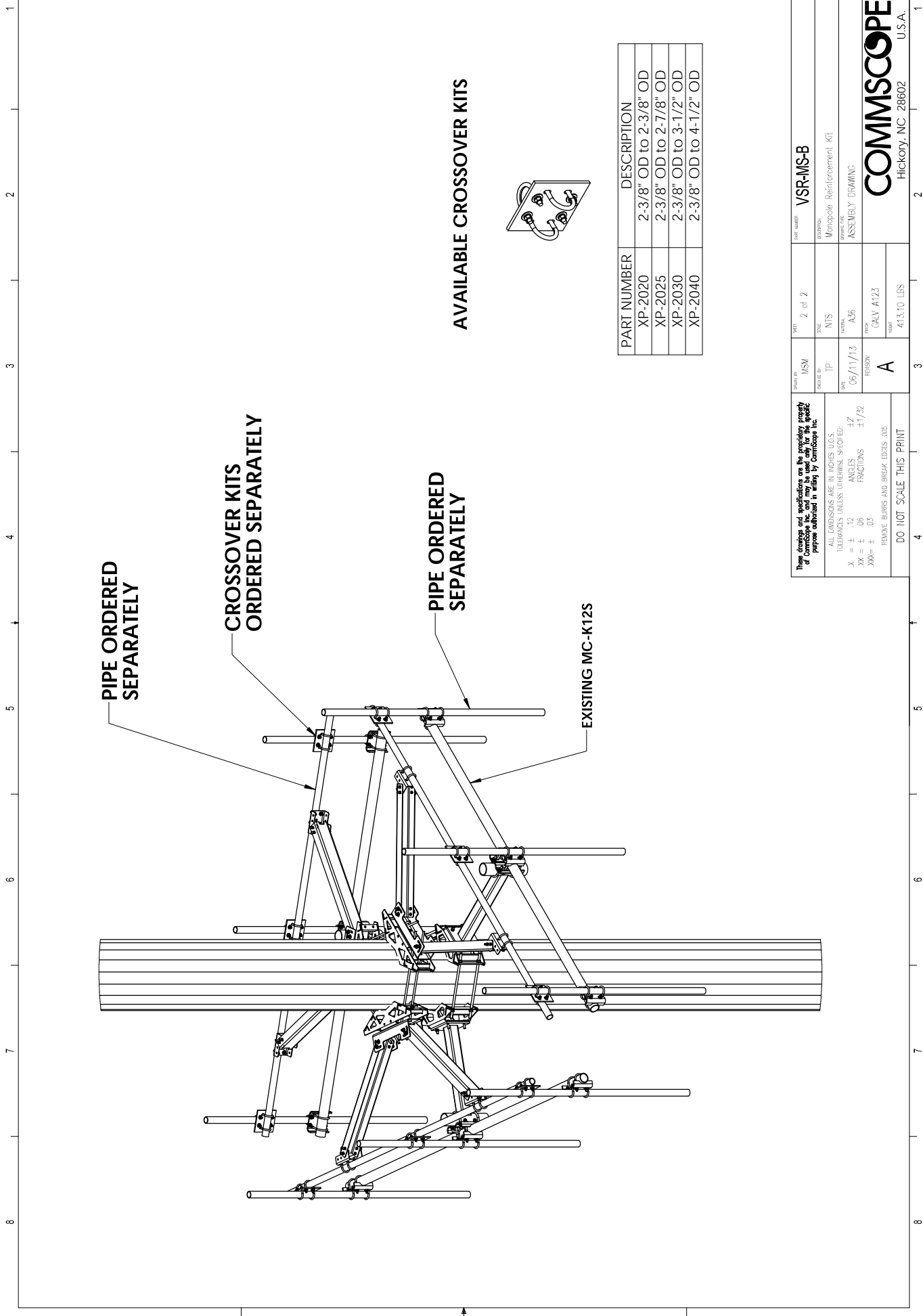
ϕ 0.9
 F_y 36 ksi
 t_{min} 0.17 in
 Z 1.1 in³
 ϕM_n 36.5 in-kip
 M_u 6.5 in-kip
 Capacity 17.9%

Capacities

Bolts	2.6%
Flange Plate	17.9%



APPENDIX E
Specification Sheet



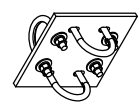
PIPE ORDERED SEPARATELY

CROSSOVER KITS ORDERED SEPARATELY

PIPE ORDERED SEPARATELY

EXISTING MC-K12S

AVAILABLE CROSSOVER KITS



PART NUMBER	DESCRIPTION
XP-2020	2-3/8" OD to 2-3/8" OD
XP-2025	2-3/8" OD to 2-7/8" OD
XP-2030	2-3/8" OD to 3-1/2" OD
XP-2040	2-3/8" OD to 4-1/2" OD

<p>These drawings and specifications are the property of Commscope Inc. and may be used only for the specific purpose authorized in writing by Commscope Inc.</p> <p>ALL DIMENSIONS ARE IN INCHES, U.S.C.S. TOLERANCES UNLESS OTHERWISE SPECIFIED: X = ± .12 ANGLES ±.7° XX = ± .05 FRACTIONS ±.1/32 XXX = ± .03 FEMTOE BURRS AND BREAK EDGES .005</p> <p>DO NOT SCALE THIS PRINT</p>	<p>DATE: 05/11/13</p> <p>DESIGNER: A</p> <p>REVISION: A</p>	<p>PROJECT NO: 413.10 LBS</p> <p>SCALE: 1:1</p>	<p>SHEET: 2 of 2</p> <p>REV: 1</p>	<p>DATE: 05/11/13</p> <p>DESIGNER: A</p> <p>REVISION: A</p>	<p>PROJECT NO: 413.10 LBS</p> <p>SCALE: 1:1</p>	<p>DATE: 05/11/13</p> <p>DESIGNER: A</p> <p>REVISION: A</p>	<p>PROJECT NO: 413.10 LBS</p> <p>SCALE: 1:1</p>	<p>DATE: 05/11/13</p> <p>DESIGNER: A</p> <p>REVISION: A</p>	<p>PROJECT NO: 413.10 LBS</p> <p>SCALE: 1:1</p>
	<p>DATE: 05/11/13</p> <p>DESIGNER: A</p> <p>REVISION: A</p>	<p>PROJECT NO: 413.10 LBS</p> <p>SCALE: 1:1</p>	<p>SHEET: 2 of 2</p> <p>REV: 1</p>	<p>DATE: 05/11/13</p> <p>DESIGNER: A</p> <p>REVISION: A</p>	<p>PROJECT NO: 413.10 LBS</p> <p>SCALE: 1:1</p>	<p>DATE: 05/11/13</p> <p>DESIGNER: A</p> <p>REVISION: A</p>	<p>PROJECT NO: 413.10 LBS</p> <p>SCALE: 1:1</p>	<p>DATE: 05/11/13</p> <p>DESIGNER: A</p> <p>REVISION: A</p>	<p>PROJECT NO: 413.10 LBS</p> <p>SCALE: 1:1</p>
	<p>DATE: 05/11/13</p> <p>DESIGNER: A</p> <p>REVISION: A</p>	<p>PROJECT NO: 413.10 LBS</p> <p>SCALE: 1:1</p>	<p>SHEET: 2 of 2</p> <p>REV: 1</p>	<p>DATE: 05/11/13</p> <p>DESIGNER: A</p> <p>REVISION: A</p>	<p>PROJECT NO: 413.10 LBS</p> <p>SCALE: 1:1</p>	<p>DATE: 05/11/13</p> <p>DESIGNER: A</p> <p>REVISION: A</p>	<p>PROJECT NO: 413.10 LBS</p> <p>SCALE: 1:1</p>	<p>DATE: 05/11/13</p> <p>DESIGNER: A</p> <p>REVISION: A</p>	<p>PROJECT NO: 413.10 LBS</p> <p>SCALE: 1:1</p>
	<p>DATE: 05/11/13</p> <p>DESIGNER: A</p> <p>REVISION: A</p>	<p>PROJECT NO: 413.10 LBS</p> <p>SCALE: 1:1</p>	<p>SHEET: 2 of 2</p> <p>REV: 1</p>	<p>DATE: 05/11/13</p> <p>DESIGNER: A</p> <p>REVISION: A</p>	<p>PROJECT NO: 413.10 LBS</p> <p>SCALE: 1:1</p>	<p>DATE: 05/11/13</p> <p>DESIGNER: A</p> <p>REVISION: A</p>	<p>PROJECT NO: 413.10 LBS</p> <p>SCALE: 1:1</p>	<p>DATE: 05/11/13</p> <p>DESIGNER: A</p> <p>REVISION: A</p>	<p>PROJECT NO: 413.10 LBS</p> <p>SCALE: 1:1</p>

COMMSCOPE®
 HICKORY, NC 28602
 U.S.A.

Exhibit F

Power Density/RF Emissions Report



RADIO FREQUENCY EMISSIONS ANALYSIS REPORT EVALUATION OF HUMAN EXPOSURE POTENTIAL TO NON-IONIZING EMISSIONS

T-Mobile Existing Facility

Site ID: CTFF531A

Shelton_Rt8 - AT&T
30 Oliver Terrace
Shelton, Connecticut 06484

July 10, 2020

EBI Project Number: 6220002991

Site Compliance Summary	
Compliance Status:	COMPLIANT
Site total MPE% of FCC general population allowable limit:	36.76%

July 10, 2020

T-Mobile
Attn: Jason Overbey, RF Manager
35 Griffin Road South
Bloomfield, Connecticut 06002

Emissions Analysis for Site: CTFF531A - Shelton_Rt8 - AT&T

EBI Consulting was directed to analyze the proposed T-Mobile facility located at **30 Oliver Terrace in Shelton, Connecticut** for the purpose of determining whether the emissions from the Proposed T-Mobile Antenna Installation located on this property are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01 and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The number of $\mu\text{W}/\text{cm}^2$ calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits; therefore, it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

General population/uncontrolled exposure limits apply to situations in which the general population may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general population would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The general population exposure limits for the 600 MHz and 700 MHz frequency bands are approximately $400 \mu\text{W}/\text{cm}^2$ and $467 \mu\text{W}/\text{cm}^2$, respectively. The general population exposure limit for the 1900 MHz (PCS), 2100 MHz (AWS) and 11 GHz frequency bands is $1000 \mu\text{W}/\text{cm}^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.



Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were done for the proposed T-Mobile Wireless antenna facility located at 30 Oliver Terrace in Shelton, Connecticut using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since T-Mobile is proposing highly focused directional panel antennas, which project most of the emitted energy out toward the horizon, all calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was focused at the base of the tower. For this report, the sample point is the top of a 6-foot person standing at the base of the tower.

For all calculations, all equipment was calculated using the following assumptions:

- 1) 2 LTE channels (600 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.
- 2) 1 NR channel (600 MHz Band) was considered for each sector of the proposed installation. This Channel has a transmit power of 80 Watts.
- 3) 2 LTE channels (700 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.
- 4) 4 GSM channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.
- 5) 4 LTE channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 60 Watts per Channel.



- 6) 2 UMTS channels (AWS Band - 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.
- 7) 2 LTE channels (AWS Band – 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 60 Watts per Channel.
- 8) 2 LTE channels (BRS Band - 2500 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.
- 9) 2 NR channels (BRS Band - 2500 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.
- 10) All radios at the proposed installation were considered to be running at full power and were uncombined in their RF transmissions paths per carrier prescribed configuration. Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.
- 11) For the following calculations, the sample point was the top of a 6-foot person standing at the base of the tower. The maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was used in this direction. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.
- 12) The antennas used in this modeling are the Ericsson AIR 32 for the 1900 MHz / 2100 MHz channel(s), the RFS APXVAARR24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz channel(s), the RFS APX16DWV-16DWV-S-E-A20 for the 1900 MHz / 2100 MHz channel(s) in Sector A, the Ericsson AIR 32 for the 1900 MHz / 2100 MHz channel(s), the RFS APXVAARR24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz channel(s), the RFS APX16DWV-16DWV-S-E-A20 for the 1900 MHz / 2100 MHz channel(s) in Sector B, the Ericsson AIR 32 for the 1900 MHz / 2100 MHz channel(s), the RFS APXVAARR24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz channel(s), the RFS APX16DWV-16DWV-S-E-A20 for the 1900 MHz / 2100 MHz channel(s) in Sector C. This is based on feedback from the carrier with regard to anticipated antenna selection. All Antenna gain values and associated transmit power levels are shown in the Site Inventory and Power Data table below. The maximum gain of the antenna per the antenna manufacturer's



EBI Consulting

environmental | engineering | due diligence

- supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was used for all calculations. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.
- 13) The antenna mounting height centerline of the proposed antennas is 120 feet above ground level (AGL).
 - 14) Emissions values for additional carriers were taken from the Connecticut Siting Council active database. Values in this database are provided by the individual carriers themselves.
 - 15) All calculations were done with respect to uncontrolled / general population threshold limits.



T-Mobile Site Inventory and Power Data

Sector:	A	Sector:	B	Sector:	C
Antenna #:	1	Antenna #:	1	Antenna #:	1
Make / Model:	Ericsson AIR 32	Make / Model:	Ericsson AIR 32	Make / Model:	Ericsson AIR 32
Frequency Bands:	1900 MHz / 2100 MHz	Frequency Bands:	1900 MHz / 2100 MHz	Frequency Bands:	1900 MHz / 2100 MHz
Gain:	15.35 dBd / 15.85 dBd	Gain:	15.35 dBd / 15.85 dBd	Gain:	15.35 dBd / 15.85 dBd
Height (AGL):	120 feet	Height (AGL):	120 feet	Height (AGL):	120 feet
Channel Count:	4	Channel Count:	4	Channel Count:	4
Total TX Power (W):	240 Watts	Total TX Power (W):	240 Watts	Total TX Power (W):	240 Watts
ERP (W):	8,728.31	ERP (W):	8,728.31	ERP (W):	8,728.31
Antenna A1 MPE %:	2.18%	Antenna B1 MPE %:	2.18%	Antenna C1 MPE %:	2.18%
Antenna #:	2	Antenna #:	2	Antenna #:	2
Make / Model:	RFS APXVAARR24_43-U-NA20	Make / Model:	RFS APXVAARR24_43-U-NA20	Make / Model:	RFS APXVAARR24_43-U-NA20
Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz	Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz	Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz
Gain:	12.95 dBd / 12.95 dBd / 13.35 dBd / 15.65 dBd	Gain:	12.95 dBd / 12.95 dBd / 13.35 dBd / 15.65 dBd	Gain:	12.95 dBd / 12.95 dBd / 13.35 dBd / 15.65 dBd
Height (AGL):	120 feet	Height (AGL):	120 feet	Height (AGL):	120 feet
Channel Count:	7	Channel Count:	7	Channel Count:	7
Total TX Power (W):	320 Watts	Total TX Power (W):	320 Watts	Total TX Power (W):	320 Watts
ERP (W):	8,466.41	ERP (W):	8,466.41	ERP (W):	8,466.41
Antenna A2 MPE %:	3.52%	Antenna B2 MPE %:	3.52%	Antenna C2 MPE %:	3.52%
Antenna #:	3	Antenna #:	3	Antenna #:	3
Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449
Frequency Bands:	2500 MHz / 2500 MHz	Frequency Bands:	2500 MHz / 2500 MHz	Frequency Bands:	2500 MHz / 2500 MHz
Gain:	22.05 dBd / 22.05 dBd	Gain:	22.05 dBd / 22.05 dBd	Gain:	22.05 dBd / 22.05 dBd
Height (AGL):	120 feet	Height (AGL):	120 feet	Height (AGL):	120 feet
Channel Count:	4	Channel Count:	4	Channel Count:	4
Total TX Power (W):	160 Watts	Total TX Power (W):	160 Watts	Total TX Power (W):	160 Watts
ERP (W):	25,651.93	ERP (W):	25,651.93	ERP (W):	25,651.93
Antenna A3 MPE %:	6.40%	Antenna B3 MPE %:	6.40%	Antenna C3 MPE %:	6.40%
Antenna #:	4	Antenna #:	4	Antenna #:	4
Make / Model:	RFS APX16DWV-16DWV-S-E-A20	Make / Model:	RFS APX16DWV-16DWV-S-E-A20	Make / Model:	RFS APX16DWV-16DWV-S-E-A20
Frequency Bands:	1900 MHz / 2100 MHz	Frequency Bands:	1900 MHz / 2100 MHz	Frequency Bands:	1900 MHz / 2100 MHz
Gain:	15.9 dBd / 15.9 dBd	Gain:	15.9 dBd / 15.9 dBd	Gain:	15.9 dBd / 15.9 dBd
Height (AGL):	120 feet	Height (AGL):	120 feet	Height (AGL):	120 feet
Channel Count:	6	Channel Count:	6	Channel Count:	6
Total TX Power (W):	180 Watts	Total TX Power (W):	180 Watts	Total TX Power (W):	180 Watts
ERP (W):	7,002.81	ERP (W):	7,002.81	ERP (W):	7,002.81
Antenna A4 MPE %:	1.75%	Antenna B4 MPE %:	1.75%	Antenna C4 MPE %:	1.75%



Site Composite MPE %	
Carrier	MPE %
T-Mobile (Max at Sector A):	13.85%
AT&T	5.51%
Metro PCS	0.44%
J. Brennan Constrcn	2.2%
Clearwire	0.39%
Sprint	12.14%
Verizon	2.23%
Site Total MPE % :	36.76%

T-Mobile MPE % Per Sector	
T-Mobile Sector A Total:	13.85%
T-Mobile Sector B Total:	13.85%
T-Mobile Sector C Total:	13.85%
Site Total MPE % :	36.76%

T-Mobile Maximum MPE Power Values (Sector A)

T-Mobile Frequency Band / Technology (Sector A)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density ($\mu\text{W}/\text{cm}^2$)	Frequency (MHz)	Allowable MPE ($\mu\text{W}/\text{cm}^2$)	Calculated % MPE
T-Mobile 1900 MHz LTE	2	2056.61	120.0	10.27	1900 MHz LTE	1000	1.03%
T-Mobile 2100 MHz LTE	2	2307.55	120.0	11.52	2100 MHz LTE	1000	1.15%
T-Mobile 600 MHz LTE	2	591.73	120.0	2.95	600 MHz LTE	400	0.74%
T-Mobile 600 MHz NR	1	1577.94	120.0	3.94	600 MHz NR	400	0.98%
T-Mobile 700 MHz LTE	2	648.82	120.0	3.24	700 MHz LTE	467	0.69%
T-Mobile 1900 MHz LTE	2	2203.69	120.0	11.00	1900 MHz LTE	1000	1.10%
T-Mobile 2500 MHz LTE	2	6412.98	120.0	32.02	2500 MHz LTE	1000	3.20%
T-Mobile 2500 MHz NR	2	6412.98	120.0	32.02	2500 MHz NR	1000	3.20%
T-Mobile 1900 MHz GSM	4	1167.14	120.0	11.66	1900 MHz GSM	1000	1.17%
T-Mobile 2100 MHz UMTS	2	1167.14	120.0	5.83	2100 MHz UMTS	1000	0.58%
						Total:	13.85%

• NOTE: Totals may vary by approximately 0.01% due to summation of remainders in calculations.

Summary

All calculations performed for this analysis yielded results that were **within** the allowable limits for general population exposure to RF Emissions.

The anticipated maximum composite contributions from the T-Mobile facility as well as the site composite emissions value with regards to compliance with FCC's allowable limits for general population exposure to RF Emissions are shown here:

T-Mobile Sector	Power Density Value (%)
Sector A:	13.85%
Sector B:	13.85%
Sector C:	13.85%
T-Mobile Maximum MPE % (Sector A):	13.85%
Site Total:	36.76%
Site Compliance Status:	COMPLIANT

The anticipated composite MPE value for this site assuming all carriers present is **36.76%** of the allowable FCC established general population limit sampled at the ground level. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions.

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were well within the allowable 100% threshold standard per the federal government.