



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

March 24, 2022

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

RE: Tower Share Application
115 Industrial Park Road, New Hartford, CT 06057
Latitude: 41.886111
Longitude: -72.965833
Site #: 876392_Crown_Dish

Dear Ms. Bachman:

This letter and attachments are submitted on behalf of Dish Wireless LLC. Dish Wireless LLC plans to install antennas and related equipment to the tower site located at 115 Industrial Park Road, New Hartford, Connecticut.

Dish Wireless LLC proposes to install three (3) 600/1900 MHz 5G antennas and six (6) RRUs, at the 130-foot level of the existing 168-foot monopole, one (1) Fiber cable will also be installed. Dish Wireless LLC equipment cabinets will be placed within a 7' x 5' lease area within the existing fenced compound. Included are plans by Kimley Horn, dated March 3, 2022, Exhibit C. Also included is a structural analysis prepared by Crown Castle, dated September 1, 2021, confirming that the existing tower is structurally capable of supporting the proposed equipment. Attached as Exhibit D. The facility was originally approved by the Town of New Hartford Planning & Zoning Commission on August 9, 2000 and a tower extension was subsequently approved by the Connecticut Siting Council, Petition No. 885 on March 12, 2009. Please see attached.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies 16-50aa, of Dish Wireless LLC intent to share a telecommunications facility pursuant to R.C.S.A. 16-50j-88. In accordance with R.C.S.A., a copy of this letter is being sent to David V. Jerram, First Selectman and Michael Lucas, Zoning Enforcement Officer for the Town of New Hartford, as well as the tower owner (Crown Castle) and property owner (Framingham Commons LLC).

The planned modifications of the facility fall squarely within those activities explicitly provided for in R.C.S.A. 16-50j-89.

1. The proposed modification will not result in an increase in the height of the existing structure. The top of the existing tower is 168-feet and the Dish Wireless LLC antennas will be located at a centerline height of 130-feet.
2. The proposed modifications will not result in an increase of the site boundary as depicted on the attached site plan.



NSS **NORTHEAST**
SITE SOLUTIONS

Turnkey Wireless Development

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

4. The operation of the proposed antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard. The combined site operations will result in a total power density of 11.98% as evidenced by Exhibit F.

Connecticut General Statutes 16-50aa indicates that the Council must approve the shared use of a telecommunications facility provided it finds the shared use is technically, legally, environmentally, and economically feasible and meets public safety concerns. As demonstrated in this letter, Dish Wireless LLC respectfully submits that the shared use of this facility satisfies these criteria.

A. Technical Feasibility. The existing monopole has been deemed structurally capable of supporting Dish Wireless LLC proposed loading. The structural analysis is included as Exhibit D.

B. Legal Feasibility. As referenced above, C.G.S. 16-50aa has been authorized to issue orders approving the shared use of an existing tower such as this monopole in New Hartford. Under the authority granted to the Council, an order of the Council approving the requested shared use would permit Dish Wireless LLC to obtain a building permit for the proposed installation. Further, a Letter of Authorization is included as Exhibit G, authorizing Dish Wireless LLC to file this application for shared use.

C. Environmental Feasibility. The proposed shared use of this facility would have a minimal environmental impact. The installation of Dish Wireless LLC equipment at the 130-foot level of the existing 168-foot tower would have an insignificant visual impact on the area around the tower. Dish Wireless LLC ground equipment would be installed within the existing facility compound. Dish Wireless LLC shared use would therefore not cause any significant alteration in the physical or environmental characteristics of the existing site. Additionally, as evidenced by Exhibit F, the proposed antennas would not increase radio frequency emissions to a level at or above the Federal Communications Commission safety standard.

D. Economic Feasibility. Dish Wireless LLC will be entering into an agreement with the owner of this facility to mutually agreeable terms. As previously mentioned, the Letter of Authorization has been provided by the owner to assist Dish Wireless LLC with this tower sharing application.

E. Public Safety Concerns. As discussed above, the tower is structurally capable of supporting Dish Wireless LLC proposed loading. Dish Wireless LLC is not aware of any public safety concerns relative to the proposed sharing of the existing tower. Dish Wireless LLC intentions of providing new and improved wireless service through the shared use of this facility is expected to enhance the safety and welfare of local residents and individuals traveling through New Hartford.

Sincerely,

Denise Sabo

Denise Sabo

Mobile: 203-435-3640

Fax: 413-521-0558

Office: 4 Angela's Way, Burlington CT 06013

Email: denise@northeastsitesolutions.com



NSS **NORTHEAST**
SITE SOLUTIONS
Turnkey Wireless Development

Attachments

Cc: David V. Jerram, First Selectman
Town Hall
530 Main Street
P.O. Box 316
New Hartford, CT 06057

Michael Lucas, Zoning Enforcement Officer
Town Hall
530 Main Street
P.O. Box 316
New Hartford, CT 06057

Framingham Commons LLC - Property Owner
705 North Mountain Road
Newington, CT 06111

Crown Castle – Tower Owner

Exhibit A

Original Facility Approval

Petition No. 885
Omnipoint Communications Inc.
115 Industrial Park Road, New Hartford, Connecticut
Staff Report
March 12, 2009

On January 29, 2009, the Connecticut Siting Council (Council) received a petition from Omnipoint Communications Inc. (T-Mobile) for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the extension of an existing telecommunications tower at 115 Industrial Park Road in New Hartford, Connecticut. On March 4, 2009, Council Member Colin Tait and Council staff member Robert Mercier met T-Mobile representative Jennifer Young Gaudet at the site to review the project. The Town of New Hartford did not comment or attend the field review.

T-Mobile proposes to install a 10-foot extension on an existing 158-foot monopole owned by Crown Castle. The site would provide coverage to Route 44 between Pine Meadow and the Barkhamsted town line, including New Hartford village, and to Route 219 along the east shoreline of Lake McDonough. Although Alltel was located at the 129-134-foot level of the tower, Crown Castle has indicated that the lease rights have not been terminated, precluding T-Mobile from potentially locating there.

T-Mobile would install a ten-foot mast extension to support three panel antennas and three amplifiers (to receive weaker signals) in a cluster array. The top of the antennas would extend to 171 feet above ground level. The tower currently supports Sprint at the 158-foot level, Verizon at the 147-foot, non-operational Alltel antennas at the 129-134-foot levels and AT&T at the 122-foot level. Alltel's non-operational antennas would be removed at a future date. Pocket PCS is approved to locate three panel antennas at the 112-foot level. The tower and foundation are capable of supporting the current antenna loading, approved Pocket PCS equipment, and the proposed extension/antennas.

T-Mobile would install three equipment cabinets within the existing compound. No expansion of the compound would be necessary.

Although the site is in an industrial park and is remote from area residences, the existing tower is visible from a school and residential area ~0.65 mile to the south. Visibility impacts of the extension from this area would be minimal given the distance and the relatively short height of the extension.

Power density emissions from the site with T-Mobile's equipment would be 33.3% of the applicable standard.

Exhibit B

Property Card



Town of New Hartford, CT

Property Listing Report

Map Block Lot

038-134-15C

Bldg # 1

Sec # 1

PID

5876

Account

00284400

Property Information

Property Location	115 INDUSTRIAL PARK ROAD
Owner	FRAMINGHAM COMMONS LLC
Co-Owner	na
Mailing Address	705 NORTH MOUNTAIN ROAD NEWINGTON CT 06111
Land Use	6100 FOREST
Land Class	S
Zoning Code	IP
Census Tract	3061

Neighborhood	C
Acreage	57.84
Utilities	Well,Septic
Lot Setting/Desc	Rural Level
Book / Page	0234/0515
Fire District	1

Primary Construction Details

Year Built	0
Building Desc.	FOREST
Building Style	UNKNOWN
Building Grade	
Stories	
Occupancy	
Exterior Walls	
Exterior Walls 2	NA
Roof Style	
Roof Cover	
Interior Walls	
Interior Walls 2	NA
Interior Floors 1	
Interior Floors 2	NA

Heating Fuel	
Heating Type	
AC Type	
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	
Fin Bsmt Quality	
Bsmt Gar	
Fireplaces	

(*Industrial / Commercial Details)

Building Use	Vacant
Building Condition	
Sprinkler %	NA
Heat / AC	NA
Frame Type	NA
Baths / Plumbing	NA
Ceiling / Wall	NA
Rooms / Prtns	NA
Wall Height	NA
First Floor Use	NA
Foundation	NA

Photo



Sketch





Town of New Hartford, CT

Property Listing Report

Map Block Lot

038-134-15C

Bldg #

1

Sec #

1

PID

5876

Account

00284400

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

Item	Appraised	Assessed
Buildings	0	0
Extras	0	0
Improvements		
Outbuildings	0	0
Land	485400	81510
Total	485400	81510

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	0	0

Outbuilding and Extra Features

Type	Description

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
FRAMINGHAM COMMONS LLC	0234/0515	2005-05-10	760000
EGI ACQUISITION CORPORATION	0225/0589	2004-05-03	0
EXECUTIVE GREETINGS INC	0145/0451	1992-08-03	0

Town of New Hartford, CT - MapXpress Property Information Viewer

Full Town View Reset Map Search Print Map Help Select View Legend

Base Maps / Air Photos

Map Layers



Canton

Exhibit C

Construction Drawings



DISH Wireless L.L.C. SITE ID:

BOHVN00170A

DISH Wireless L.L.C. SITE ADDRESS:

**115 INDUSTRIAL PARK RD
NEW HARTFORD, CT 06057**

SCOPE OF WORK
THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIVALENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:
TOWER SCOPE OF WORK: <ul style="list-style-type: none"> INSTALL (3) PROPOSED PANEL ANTENNAS (1 PER SECTOR) INSTALL (1) PROPOSED ANTENNA PLATFORM MOUNT INSTALL PROPOSED JUMPERS INSTALL (6) PROPOSED RRUs (2 PER SECTOR) INSTALL (1) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP) INSTALL (1) PROPOSED HYBRID CABLE
GROUND SCOPE OF WORK: <ul style="list-style-type: none"> UTILIZE EXISTING ICE BRIDGE INSTALL (1) PROPOSED PPC CABINET INSTALL (1) PROPOSED EQUIPMENT CABINET INSTALL (1) PROPOSED POWER CONDUIT INSTALL (1) PROPOSED TELCO CONDUIT INSTALL (1) PROPOSED TELCO-FIBER BOX INSTALL (1) PROPOSED GPS UNIT INSTALL (1) PROPOSED SAFETY SWITCH (IF REQUIRED) INSTALL (1) PROPOSED FIBER NID (IF REQUIRED) DISH WIRELESS L.L.C. TO UTILIZE EXISTING EMPTY METER SOCKET 'B'

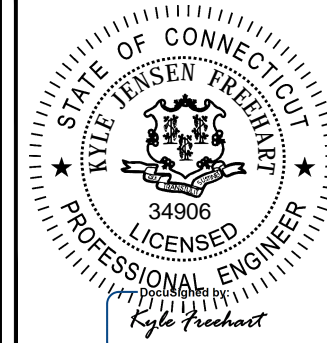
SITE INFORMATION	PROJECT DIRECTORY
PROPERTY OWNER: GLOBAL SIGNAL ACQUISITION ADDRESS: PO BOX 277455 ATLANTA, GA 30389 TOWER TYPE: MONOPOLE CROWN CASTLE SITE ID: 876392 CROWN CASTLE APP NUMBER: 553387 COUNTY: LITCHFIELD LATITUDE (NAD 83): 41° 53' 10.48" N 41.886244° N LONGITUDE (NAD 83): 72° 57' 58.10" W 72.966139° W ZONING JURISDICTION: CONNECTICUT SITTING COUNCIL ZONING DISTRICT: IP PARCEL NUMBER: NHAR-000038-000134-000015C-000001 OCCUPANCY GROUP: U CONSTRUCTION TYPE: II-B POWER COMPANY: NORTHEAST UTILITIES TELEPHONE COMPANY: TBD	APPLICANT: DISH WIRELESS, LLC. 5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120 TOWER OWNER: CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317 (877) 486-9377 SITE DESIGNER: KIMLEY-HORN & ASSOCIATES 3875 EMBASSY PKWY, SUITE 280 AKRON, OH 44333 (216) 505-7771 COA #: PEC.0000738 SITE ACQUISITION: VICTOR NUNEZ VICTOR.NUNEZ@CROWNCastle.COM CONSTRUCTION MANAGER: JAMIER SOTO JAMIER.SOTO@DISH.COM RF ENGINEER: SYED ZAIDI SYED.ZAIDI@DISH.COM



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601



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.

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: 0

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER
KHCLC-16709

DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

SITE PHOTO



UNDERGROUND SERVICE ALERT CBYD 811
 UTILITY NOTIFICATION CENTER OF CONNECTICUT
 (800) 922-4455
 WWW.CBYD.COM
 CALL 2 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

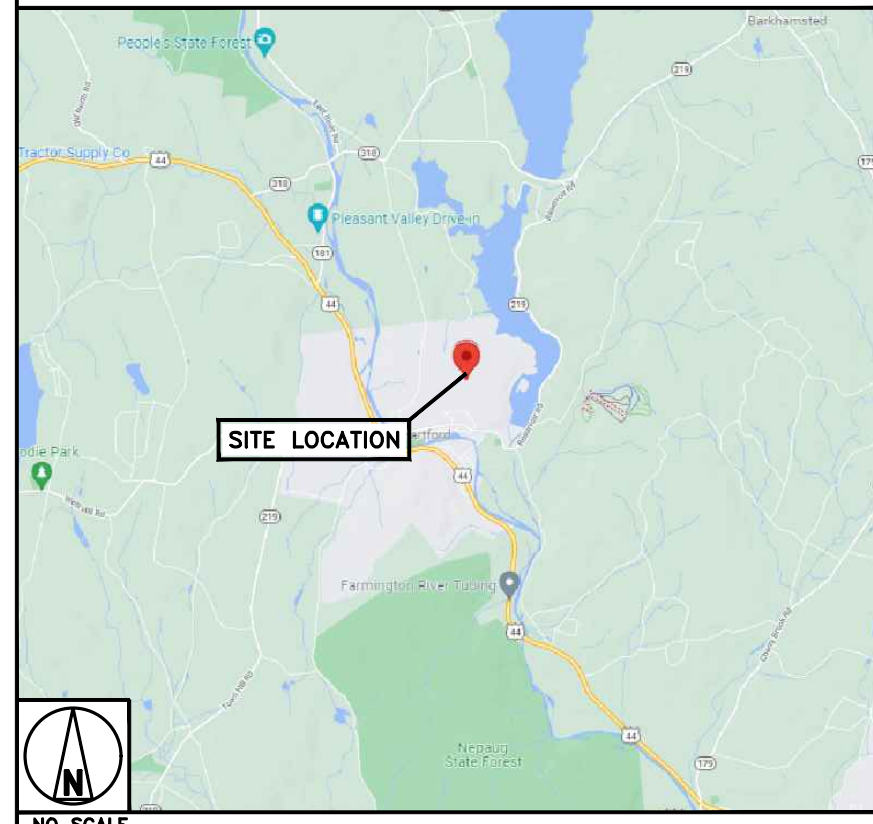
11"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

DIRECTIONS

DIRECTIONS FROM BRADLEY INTERNATIONAL AIRPORT:
 x CONTINUE TO BRADLEY INTERNATIONAL AIRPORT CON
 x FOLLOW CT-20 W AND CT-219 S TO GREENWOOD INDUSTRIAL PARK RD IN NEW HARTFORD
 x TURN RIGHT ONTO GREENWOOD INDUSTRIAL PARK RD
 x DESTINATION WILL BE ON THE LEFT

VICINITY MAP



CONNECTICUT CODE OF COMPLIANCE

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

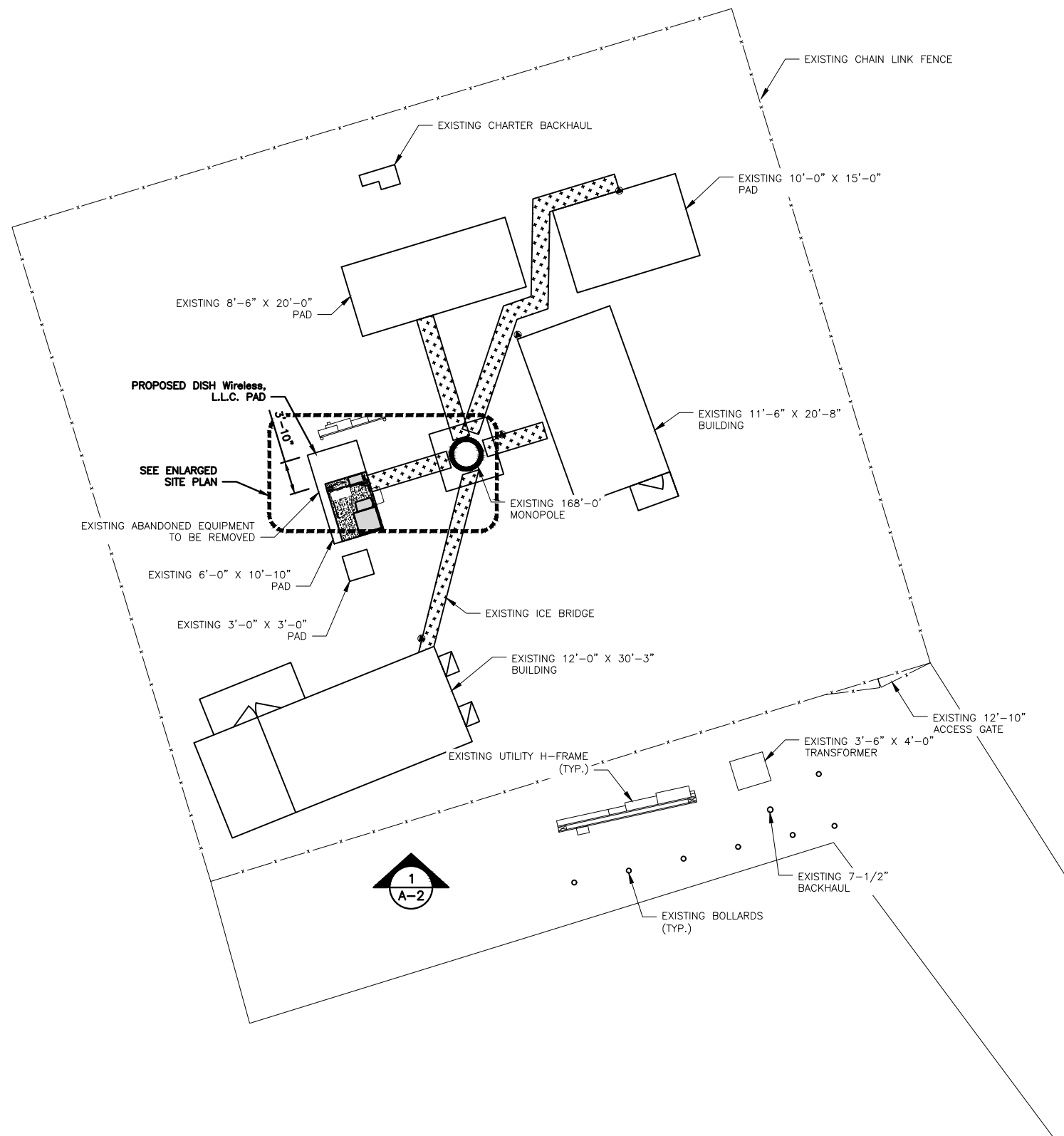
CODE TYPE	CODE
BUILDING	2018 CT STATE BUILDING CODE/2015 IBC W/ CT AMENDMENTS
MECHANICAL	2018 CT STATE BUILDING CODE/2015 IMC W/ CT AMENDMENTS
ELECTRICAL	2018 CT STATE BUILDING CODE/2017 NEC W/ CT AMENDMENTS

SHEET INDEX

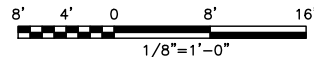
SHEET NO.	SHEET TITLE
T-1	TITLE SHEET
A-1	OVERALL AND ENLARGED SITE PLAN
A-2	ELEVATION, ANTENNA LAYOUT AND SCHEDULE
A-3	EQUIPMENT PLATFORM AND H-FRAME DETAILS
A-4	EQUIPMENT DETAILS
A-5	EQUIPMENT DETAILS
A-6	EQUIPMENT DETAILS
E-1	ELECTRICAL/FIBER ROUTE PLAN AND NOTES
E-2	ELECTRICAL DETAILS
E-3	ELECTRICAL ONE-LINE, FAULT CALCS & PANEL SCHEDULE
G-1	GROUNDING PLANS AND NOTES
G-2	GROUNDING DETAILS
G-3	GROUNDING DETAILS
RF-1	RF CABLE COLOR CODE
GN-1	LEGEND AND ABBREVIATIONS
GN-2	GENERAL NOTES
GN-3	GENERAL NOTES
GN-4	GENERAL NOTES

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.



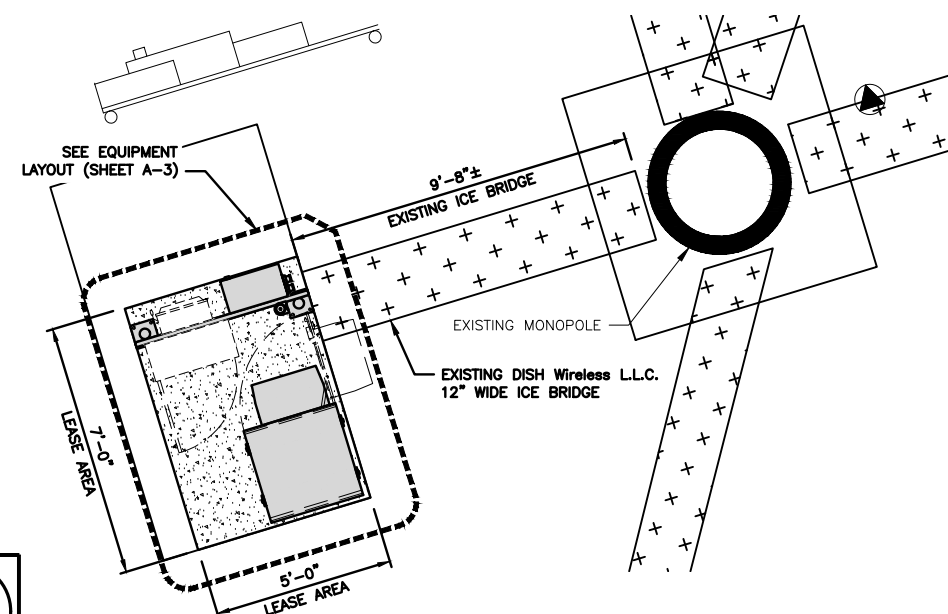
OVERALL SITE PLAN



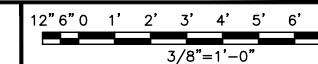
1

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
3. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.



ENLARGED SITE PLAN



2



OVERALL UTILITY ROUTE PLAN

NO SCALE

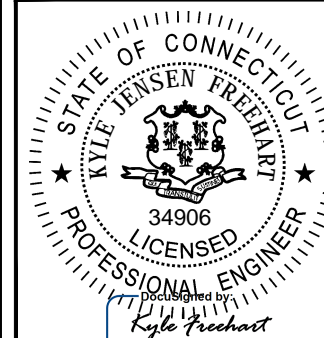
3



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601



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.

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: 0

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER
KHCLC-16709

DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

SHEET TITLE
OVERALL AND ENLARGED
SITE PLAN

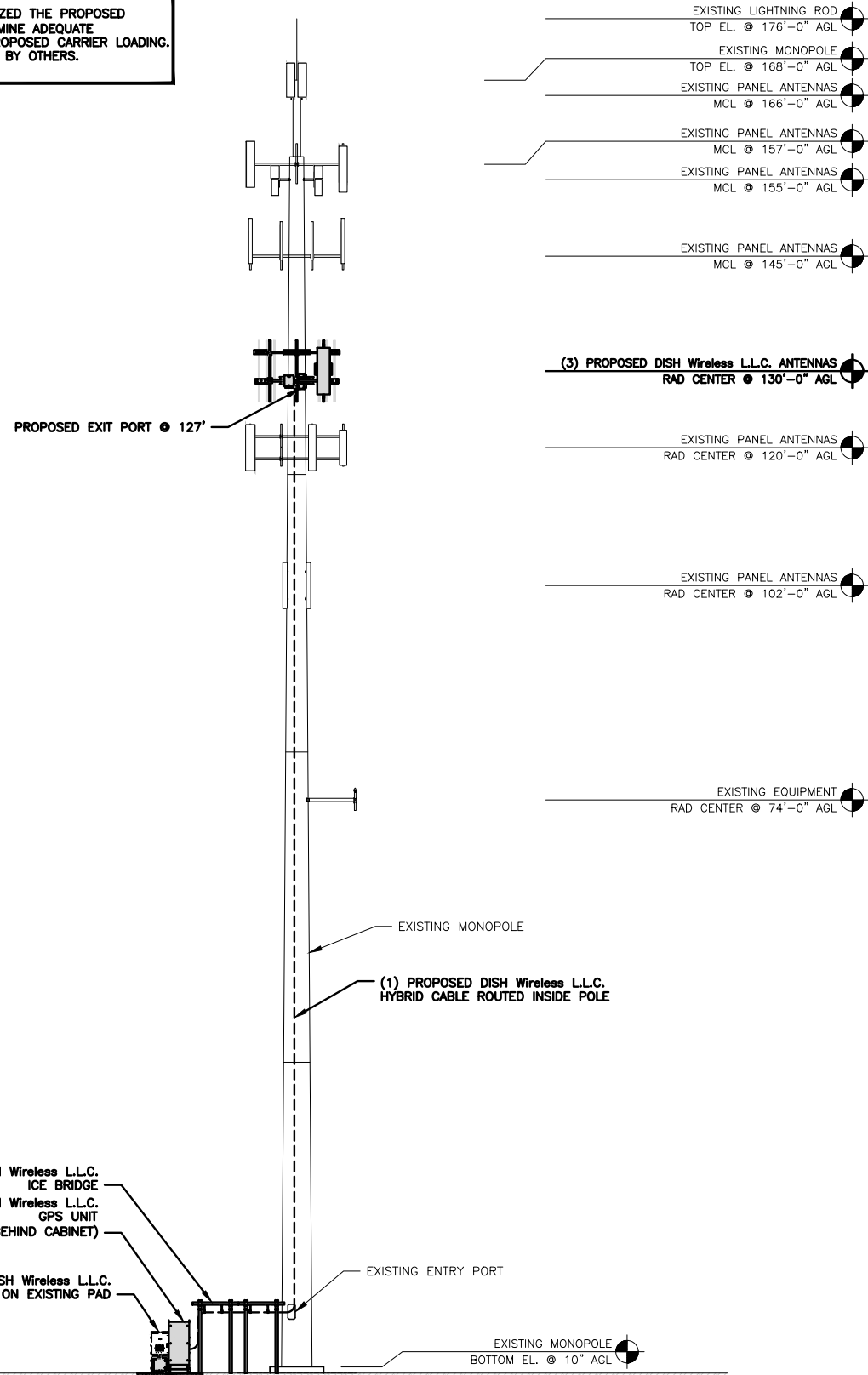
SHEET NUMBER

A-1

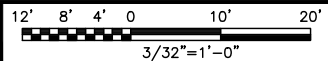
NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. ANTENNA AND MW DISH SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS
3. EXISTING EQUIPMENT AND FENCE OMITTED FOR CLARITY.

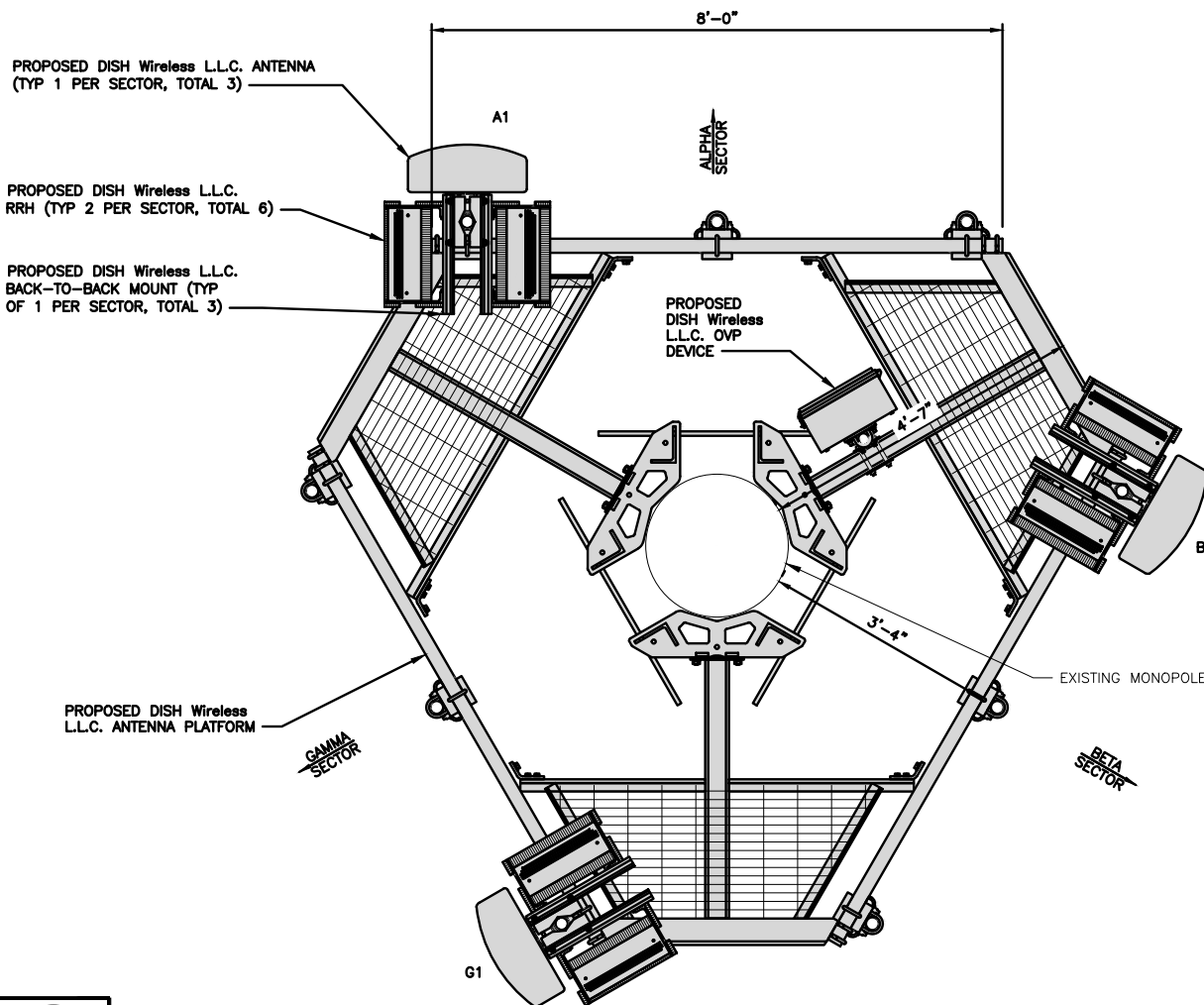
KIMLEY-HORN HAS NOT ANALYZED THE PROPOSED ANTENNA MOUNT(S) TO DETERMINE ADEQUATE STRUCTURAL CAPACITY FOR PROPOSED CARRIER LOADING. MOUNT ANALYSIS TO BE DONE BY OTHERS.



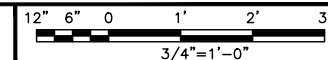
PROPOSED SOUTH ELEVATION



1



ANTENNA LAYOUT



2

SECTOR	POSITION	ANTENNA					TRANSMISSION CABLE	
		EXISTING OR PROPOSED	MANUFACTURER - MODEL NUMBER	TECHNOLOGY	SIZE (HxW)	AZIMUTH	RAD CENTER	FEED LINE TYPE AND LENGTH
ALPHA	A1	PROPOSED	JMA - MX08FRO665-21	5G	72.0" x 20.0"	0°	130'-0"	(1) HIGH-CAPACITY HYBRID CABLE (165'-0" LONG)
BETA	B1	PROPOSED	JMA - MX08FRO665-21	5G	72.0" x 20.0"	120°	130'-0"	
GAMMA	G1	PROPOSED	JMA - MX08FRO665-21	5G	72.0" x 20.0"	240°	130'-0"	

SECTOR	POSITION	RRH		NOTES
		MANUFACTURER - MODEL NUMBER	TECHNOLOGY	
ALPHA	A1	FUJITSU - TA08025-B604	5G	1. CONTRACTOR TO REFER TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS. 2. ANTENNA AND RRH MODELS MAY CHANGE DUE TO EQUIPMENT AVAILABILITY. ALL EQUIPMENT CHANGES MUST BE APPROVED AND REMAIN IN COMPLIANCE WITH THE PROPOSED DESIGN AND STRUCTURAL ANALYSES.
	A1	FUJITSU - TA08025-B605	5G	
BETA	B1	FUJITSU - TA08025-B604	5G	
	B1	FUJITSU - TA08025-B605	5G	
GAMMA	G1	FUJITSU - TA08025-B604	5G	
	G1	FUJITSU - TA08025-B605	5G	

ANTENNA SCHEDULE

NO SCALE

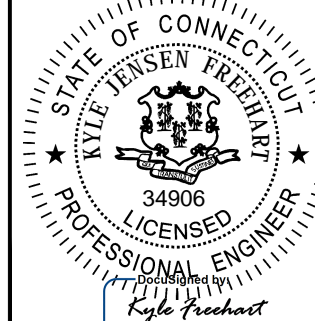
3



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601



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.

DRAWN BY: XQD
CHECKED BY: MCK
APPROVED BY: MCK

RFDS REV #: 0

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

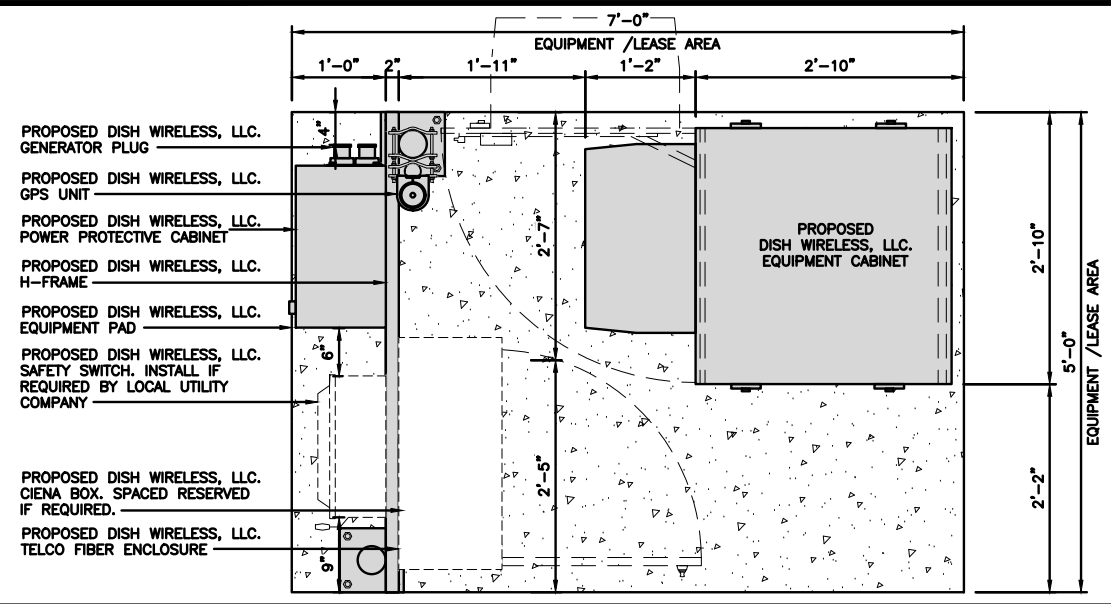
A&E PROJECT NUMBER
KHCLC-16709

DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

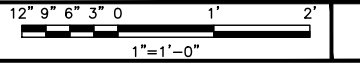
SHEET TITLE
ELEVATION, ANTENNA
LAYOUT AND SCHEDULE

SHEET NUMBER

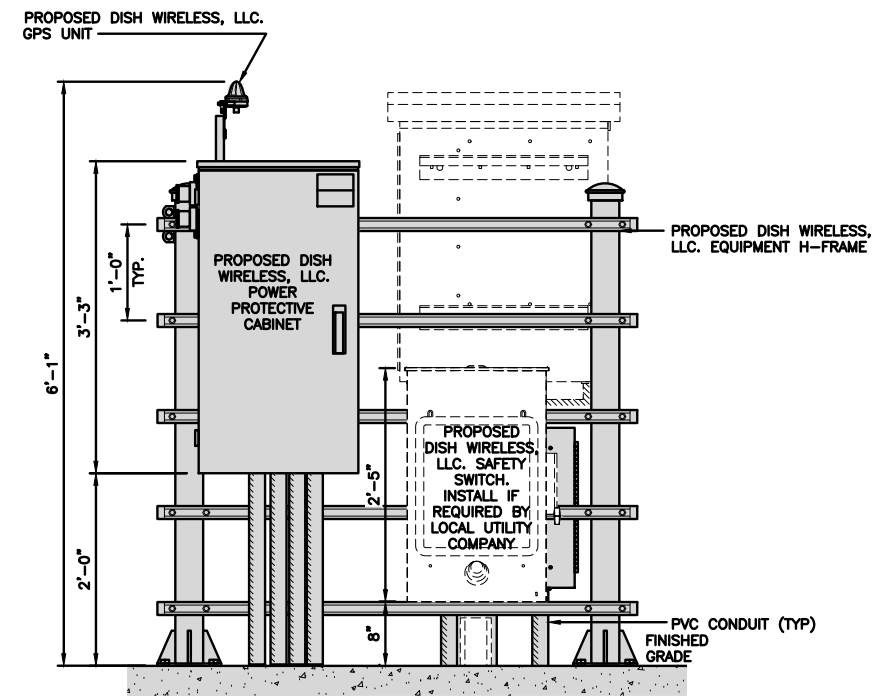
A-2



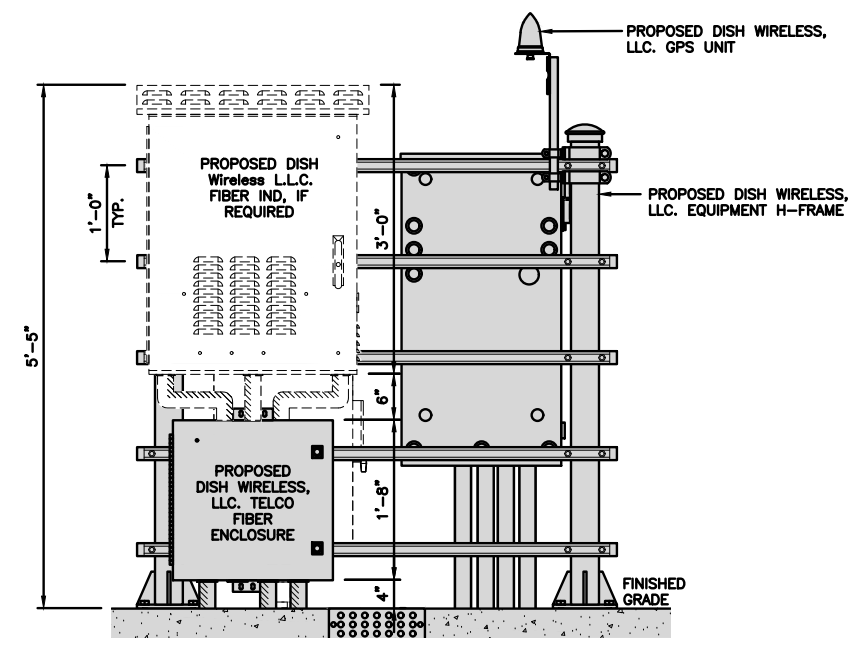
PAD EQUIPMENT PLAN



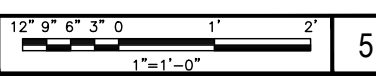
1



FRONT ELEVATION



BACK ELEVATION

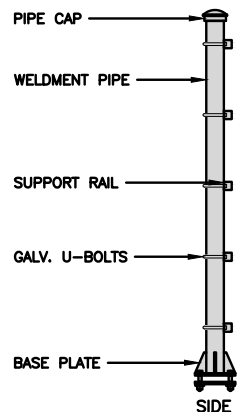


5

NOT USED

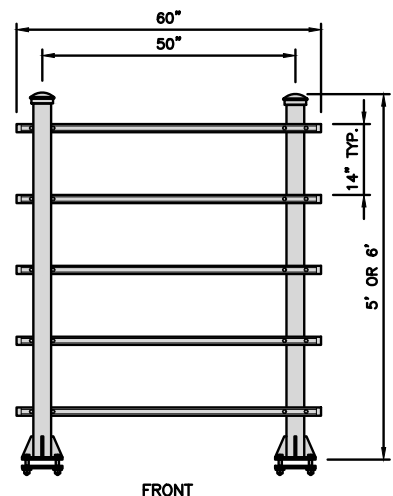
NO SCALE 2

COMMSCOPE MTC4045HFLD H-FRAME	
UNISTRUT/SUPPORT RAILS QTY	5
WEIGHT	59.74 lbs



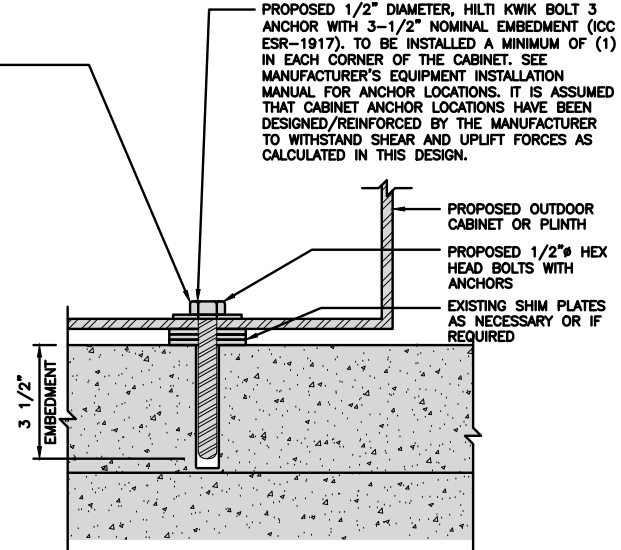
H-FRAME DETAIL

NO SCALE 3



FRONT

4.4 SPECIAL INSPECTION: PERIODIC SPECIAL INSPECTION IS REQUIRED IN ACCORDANCE WITH SECTION 1705.1.1 AND TABLE 1705.3 OF THE 2018 AND 2015 IBC AND 2012 IBC; SECTION 1704.15 AND TABLE 1704.4 OF THE 2009 IBC, AS APPLICABLE. THE SPECIAL INSPECTOR MUST MAKE PERIODIC INSPECTIONS DURING ANCHOR INSTALLATION TO VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, ANCHOR SPACING, EDGE DISTANCES, CONCRETE MEMBER THICKNESS, TIGHTENING TORQUE, HOLE DIMENSIONS, ANCHOR EMBEDMENT AND ADHERENCE TO THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. THE SPECIAL INSPECTOR MUST BE PRESENT AS OFTEN AS REQUIRED IN ACCORDANCE WITH THE STATEMENT OF SPECIAL INSPECTION. UNDER THE IBC, ADDITIONAL REQUIREMENTS AS SET FORTH IN SECTIONS 1705, 1706 AND 1707 MUST BE OBSERVED, WHERE APPLICABLE, PER ICC-ESR # 1917.



TYPICAL OUTDOOR EQUIPMENT TO CONCRETE SLAB ANCHORAGE

NO SCALE 4

NOTES

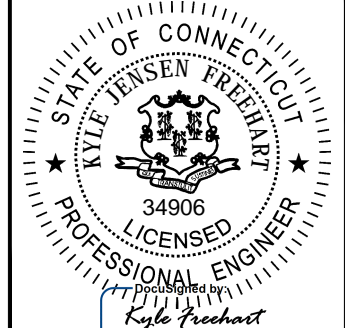
- EQUIPMENT CABINET OMITTED FOR CLARITY



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601



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.

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK
RFDS REV #:		0

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

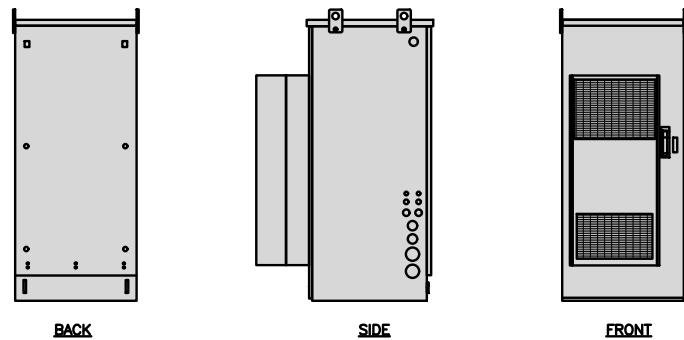
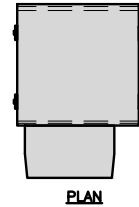
A&E PROJECT NUMBER
KHCLC-16709

DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

SHEET TITLE
EQUIPMENT PLATFORM AND
H-FRAME DETAILS

SHEET NUMBER
A-3

CHARLES INDUSTRY HEX CUBE-PM639155N4	
DIMENSIONS (HxWxD)	74"x32"x32"
POWER PLANT	-48VDC ABB/600W
TOTAL WEIGHT (EMPTY)	408 lbs

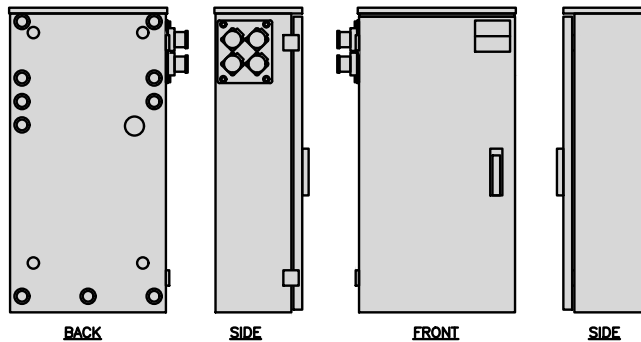
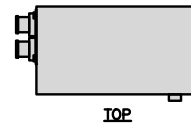


CABINET DETAIL

NO SCALE

1

RAYCAP PPC RDIAC-2465-P-240-MTS	
ENCLOSURE DIMENSIONS (HxWxD)	39"x22.855"x12.593
WEIGHT:	80 lbs
OPERATING AC VOLTAGE	240/120 1 PHASE 3W+G

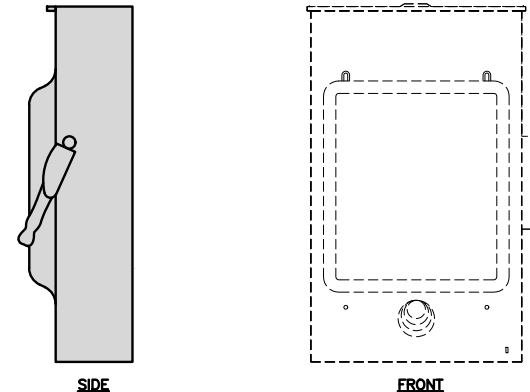
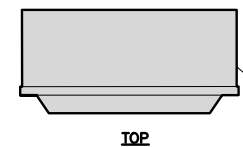


POWER PROTECTION CABINET (PPC) DETAIL

NO SCALE

2

SQUARE D SAFETY SWITCHES D224NRB	
ENCLOSURE DIM (HxWxD)	29.25"x19.00"x8.50"
ENCLOSURE TYPE	NEMA 3R RAINPROOF
UL LISTED	FILE E-2875

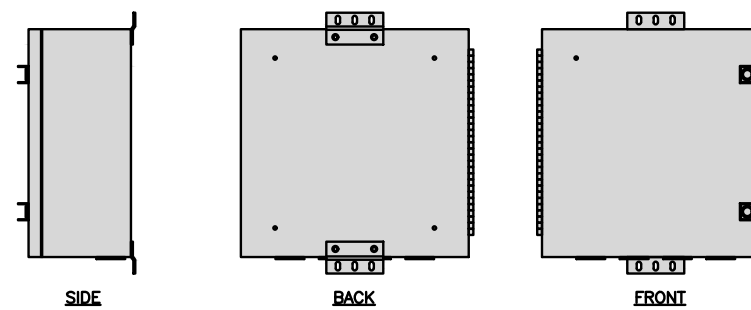
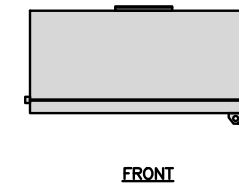


SAFETY SWITCH DETAIL

NO SCALE

3

CHARLES CFIT-PF2020DSH1 FIBER TELCO ENCLOSURE	
ENCLOSURE DIMS (HxWxD)	20"x20"x9"
ENCLOSURE WEIGHT	20 lbs
MOUNTING	WALL
COMPLIANCE	TYPE 4



FIBER TELCO ENCLOSURE DETAIL

NO SCALE

6

NOT USED

NO SCALE

4

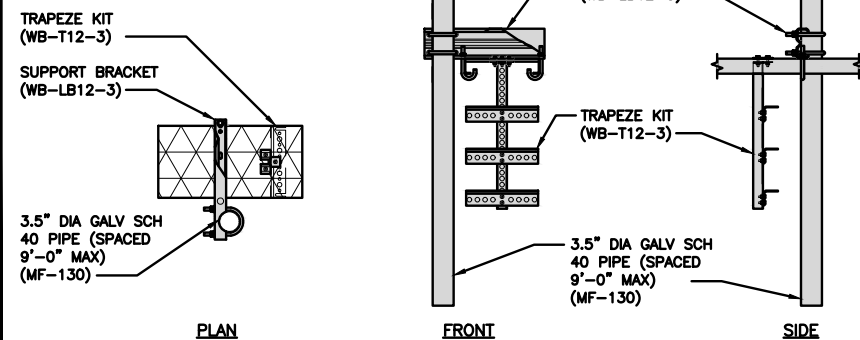
NOT USED

NO SCALE

5

COMMSCOPE WB-K110-B WAVEGUIDE BRIDGE KIT	
DIMENSIONS (HxL)	160"x10"
WEIGHT/ VOLUME	325.0 LBS
CABLE RUN (QTY)	12

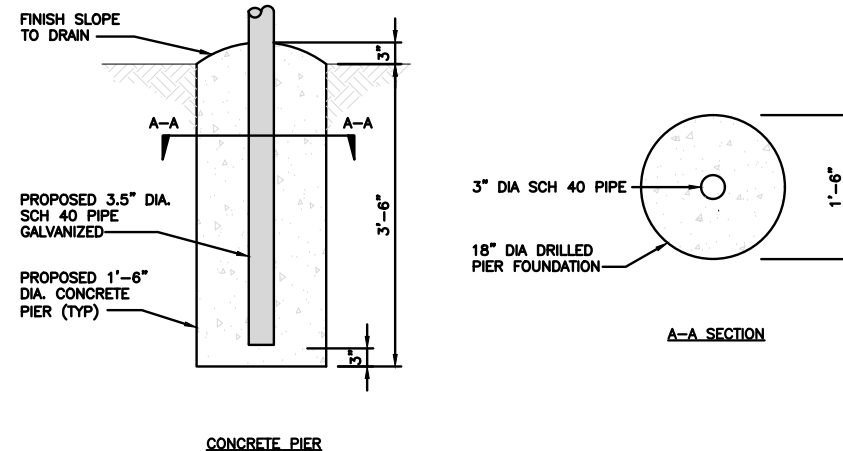
INCLUDED PRODUCTS:	WB-T12-3 TRAPEZE KIT, 3 RUNGS
	WB-LB12-3 SUPPORT BRACKET
	MF-130 DIRECT BURIAL PIPE COLUMN, 13'-4"



ICE BRIDGE DETAIL

NO SCALE

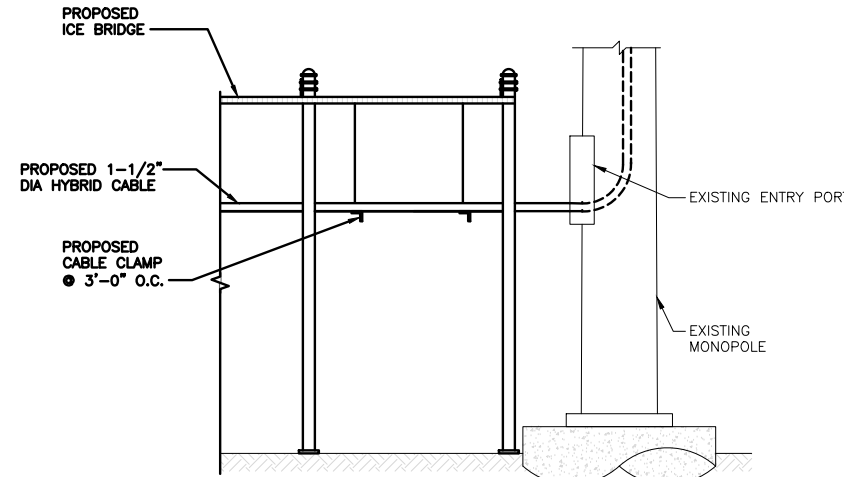
7



TYPICAL ICE BRIDGE CONCRETE PIER DETAIL

NO SCALE

8



HYBRID CABLE RUN

NO SCALE

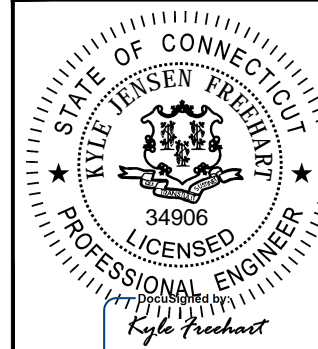
9



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601



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.

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: 0

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER
KHCLC-16709

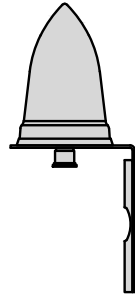
DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

SHEET TITLE
EQUIPMENT DETAILS

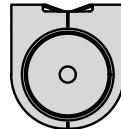
SHEET NUMBER

A-4

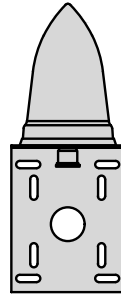
PCTEL GPSGL-TMG-SPI-40NCB	
DIMENSIONS (DIAxH) MM/INCH	81x184mm 3.2"x7.25"
WEIGHT W/ACCESSORIES	075 lbs
CONNECTOR	N-FEMALE
FREQUENCY RANGE	1590 ± 30MHz



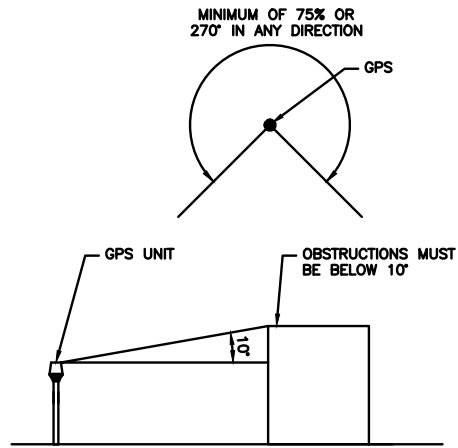
BACK



TOP



SIDE



GPS DETAIL

NO SCALE

1

GPS MINIMUM SKY VIEW REQUIREMENTS

NO SCALE

2

CABLES UNLIMITED HYBRID CABLE
MINIMUM BEND RADIUS

NO SCALE

3

NOT USED

NO SCALE

4

NOT USED

NO SCALE

5

NOT USED

NO SCALE

6

NOT USED

NO SCALE

7

NOT USED

NO SCALE

8

NOT USED

NO SCALE

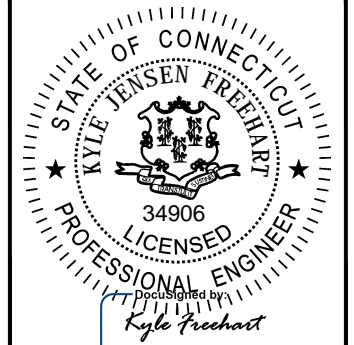
9



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601



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.

DRAWN BY: XQD
CHECKED BY: MCK
APPROVED BY: MCK

RFDS REV #: 0

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

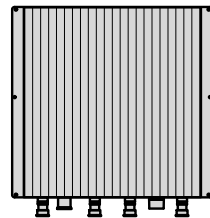
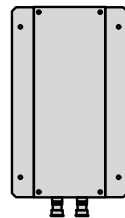
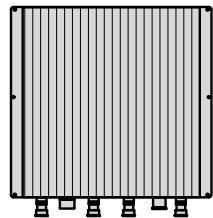
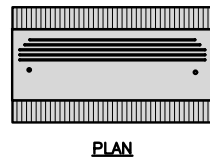
A&E PROJECT NUMBER
KHCLC-16709

DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER
A-5

FUJITSU TRIPLE BAND TA08025-B605	
DIMENSIONS (HxWxD)	14.9"x15.7"x9"
WEIGHT	74.95 lbs
CONNECTOR TYPE	4.3-10 RF CONNECTOR
POWER SUPPLY	DC -58~-36V

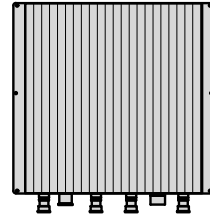
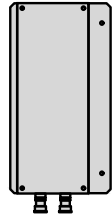
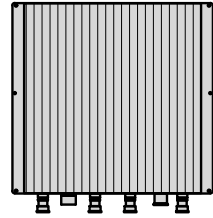
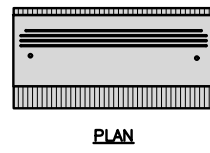


BACK

SIDE

FRONT

FUJITSU DUAL BAND TA08025-B604	
DIMENSIONS (HxWxD)	14.9"x15.7"x7.8"
WEIGHT	63.9 lbs
CONNECTOR TYPE	4.3-10 RF CONNECTOR
POWER SUPPLY	DC -58~-36V



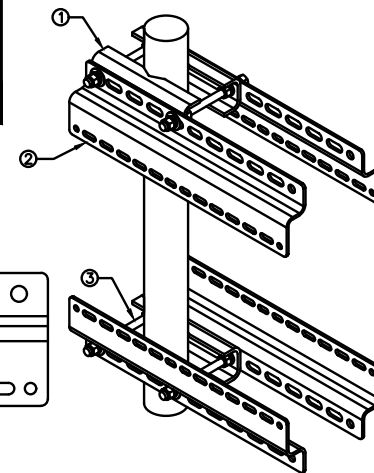
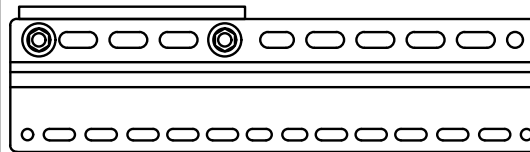
BACK

SIDE

FRONT

SABRE DOUBLE Z-BRACKET C10123155	
DIMENSIONS (HxWxD) (1 BRACKET)	5"x20"x1-13/16"
WEIGHT (FULL ASSEMBLY)	35.79 lbs
PACKAGE QUANTITY	4

#	DESCRIPTION
1	PLATE, CHANNEL BRACKET
2	RRH Z BRACKET, 3/16"
3	THREADED ROD ASSEMBLY 1/2"x12"



NOTE:
OR DISH Wireless L.L.C.
APPROVED EQUIVALENT

RRH DETAIL

NO SCALE

1

RRH DETAIL

NO SCALE

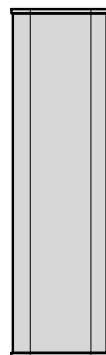
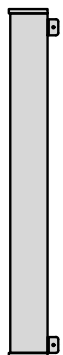
2

RRH MOUNT DETAIL

NO SCALE

3

JMA WIRELESS MX08FRO665-21 ANTENNA	
DIMENSIONS (HxWxD)	72.0"x20.0"x8.0"
TOTAL WEIGHT	82.5 LB
RF PORTS, CONNECTOR TYPE	8 x 4.3-10 FEMALE



BACK

SIDE

FRONT

ANTENNA DETAIL

NO SCALE

4

NOT USED

NO SCALE

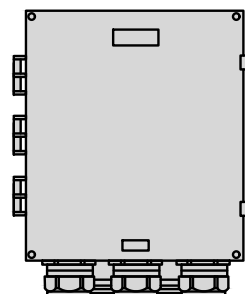
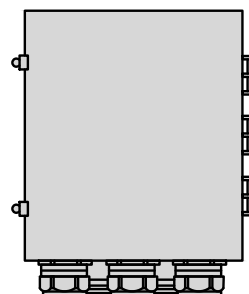
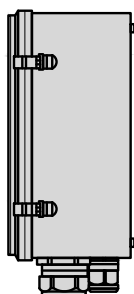
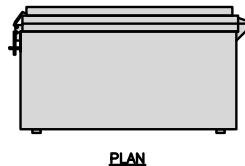
5

ANTENNA BRACKET DETAIL

NO SCALE

6

RAYCAP RDIC-9181-PF-48 DC SURGE PROTECTION (OVP)	
DIMENSIONS (HxWxD)	18.98"x14.39"x8.15"
WEIGHT	21.82 LBS



SIDE

BACK

FRONT

SURGE SUPPRESSION DETAIL (OVP)

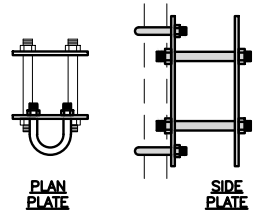
NO SCALE

7

COMMSCOPE XP-2040
CROSSOVER PLATE

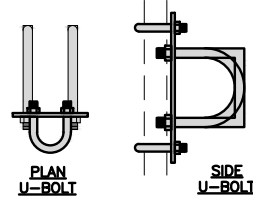
DIMENSIONS (HxW)	10"x12"
WEIGHT	11 lbs

NOTE:
OR DISH Wireless L.L.C.
APPROVED EQUIVALENT



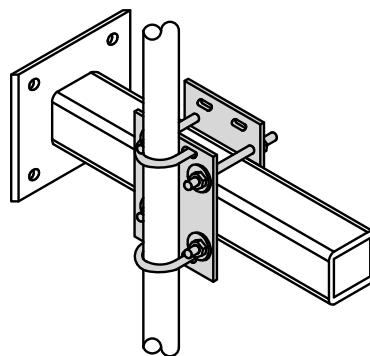
PLAN PLATE

SIDE PLATE



PLAN U-BOLT

SIDE U-BOLT



RRH/OVP MOUNT DETAIL

NO SCALE

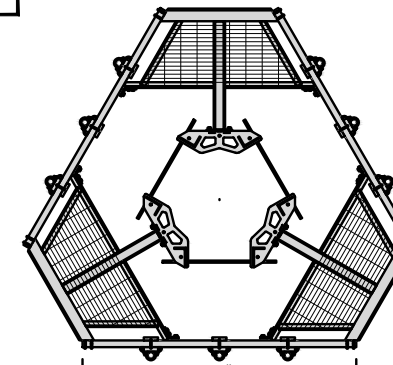
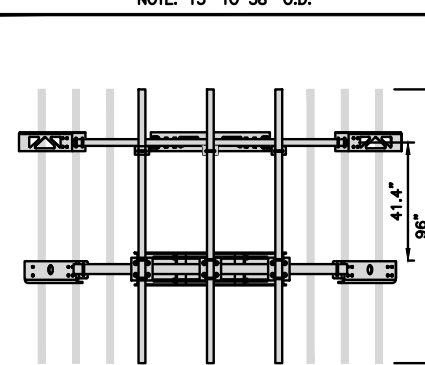
8

COMMSCOPE
MC-PK8-DSH

FACE WIDTH	96"
WEIGHT	1373.08 lbs

NOTE:
OR DISH Wireless L.L.C.
APPROVED EQUIVALENT

NOTE: 15" TO 38" O.D.



ANTENNA PLATFORM DETAIL

NO SCALE

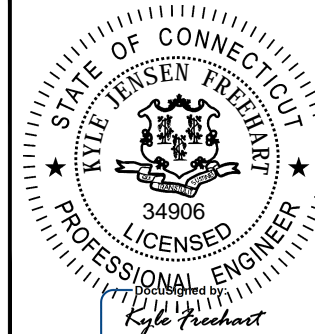
9



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601



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.

DRAWN BY: CHECKED BY: APPROVED BY:

XQD MCK MCK

RFDS REV #: 0

CONSTRUCTION
DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER

KHCLC-16709

DISH Wireless L.L.C.
PROJECT INFORMATION

BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

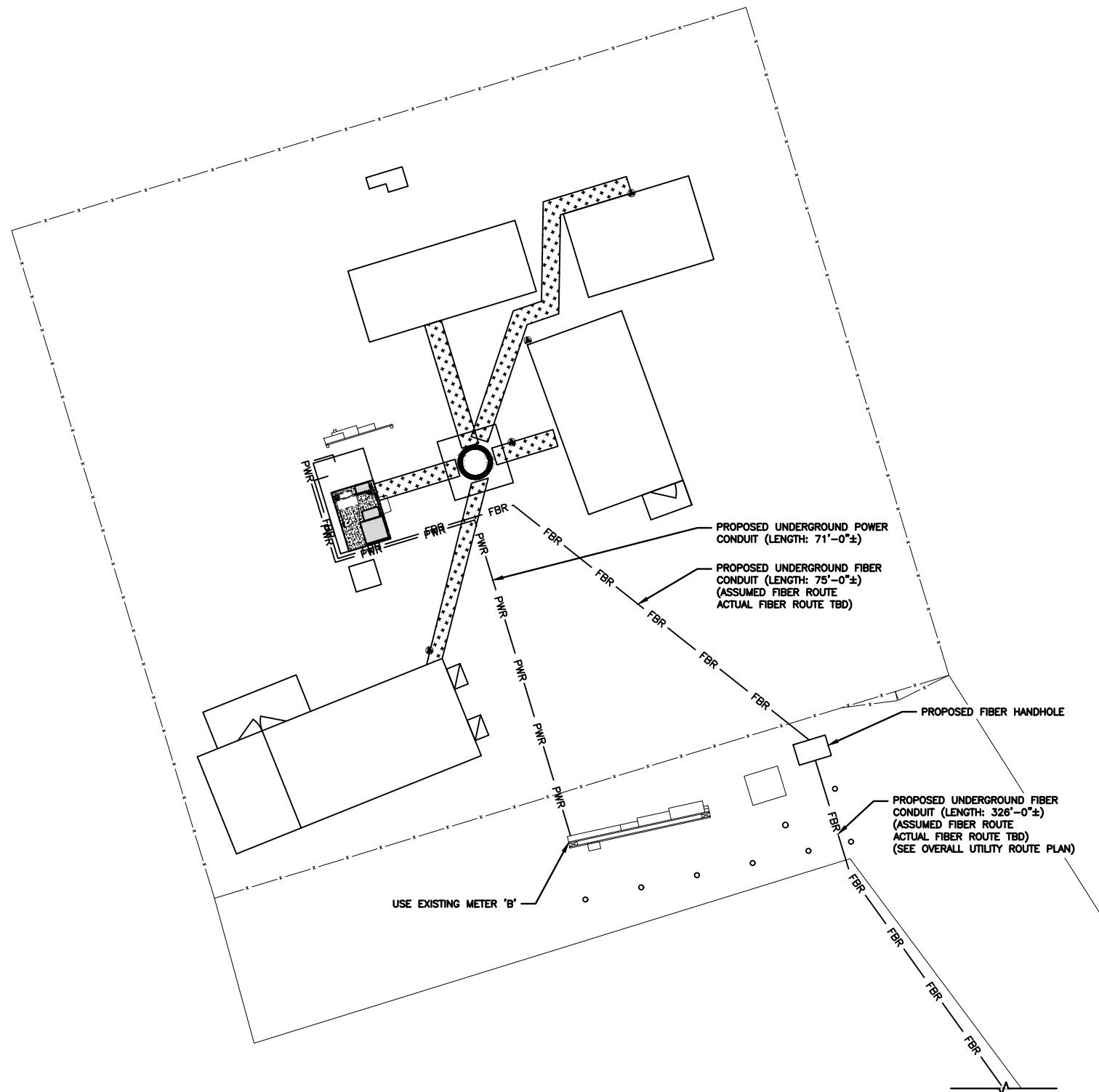
SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER

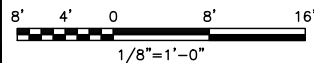
A-6

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED UNDERGROUND UTILITY CONDUIT ROUTE.
2. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.
3. DUE TO UTILITY EASEMENT RIGHTS SPECIFIED IN THE GROUND LEASE, CUSTOMER MAY INSTALL EQUIPMENT WITHIN SPECIFIED UTILITY EASEMENT AREA. "PWR" AND "FBR" PATH DEPICTED ON A-1 AND E-1 REPRESENT PLANNED ROUTING BASED ON BEST AVAILABLE INFORMATION INCLUDING BUT NOT LIMITED TO A SURVEY, EXHIBITS, METES AND BOUNDS OF THE UTILITY EASEMENT, FIELD VERIFICATION, PRIOR PROJECT DOCUMENTATION AND OTHER REAL PROPERTY RIGHTS DOCUMENTS. WHEN INSTALLING THE UTILITIES PLEASE LOCATE AND FOLLOW EXISTING PATH. IF EXISTING PATH IS MATERIALLY INCONSISTENT WITH "PWR" AND "FBR" PATH DEPICTED ON A-1 AND E-1 AND SAID VARIANCE IS NOT NOTED ON CDs, PLEASE NOTIFY TOWER OWNER AS FURTHER COORDINATION MAY BE NEEDED.



UTILITY ROUTE PLAN



1

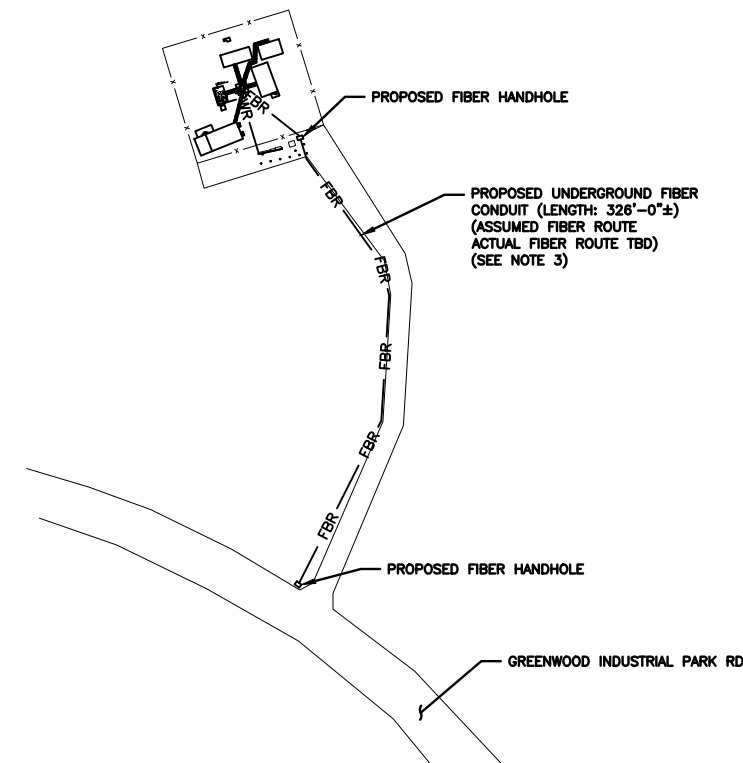
DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR IDENTIFYING +24V AND -48V CONDUCTORS. RED MARKINGS SHALL IDENTIFY +24V AND BLUE MARKINGS SHALL IDENTIFY -48V.

1. CONTRACTOR SHALL INSPECT THE EXISTING CONDITIONS PRIOR TO SUBMITTING A BID. ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARDS TO THE CONTRACTOR'S FUNCTIONS, THE SCOPE OF WORK, OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE PROJECT MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.
2. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT NATIONAL ELECTRICAL CODES AND ALL STATE AND LOCAL CODES, LAWS, AND ORDINANCES. PROVIDE ALL COMPONENTS AND WIRING SIZES AS REQUIRED TO MEET NEC STANDARDS.
3. LOCATION OF EQUIPMENT, CONDUIT AND DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE COORDINATED WITH FIELD CONDITIONS PRIOR TO CONSTRUCTION.
4. CONDUIT ROUGH-IN SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT TO AVOID LOCATION CONFLICTS. VERIFY WITH THE MECHANICAL EQUIPMENT CONTRACTOR AND COMPLY AS REQUIRED.
5. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CIRCUITS AS REQUIRED FOR A COMPLETE SYSTEM.
6. CONTRACTOR SHALL PROVIDE PULL BOXES AND JUNCTION BOXES AS REQUIRED BY THE NEC ARTICLE 314.
7. CONTRACTOR SHALL PROVIDE ALL STRAIN RELIEF AND CABLE SUPPORTS FOR ALL CABLE ASSEMBLIES. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
8. ALL DISCONNECTS AND CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED PHENOLIC NAMEPLATES INDICATING EQUIPMENT CONTROLLED, BRANCH CIRCUITS INSTALLED ON, AND PANEL FIELD LOCATIONS FED FROM.
9. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS PER THE SPECIFICATIONS AND NEC 250. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE BONDED AT ALL JUNCTION BOXES, PULL BOXES, AND ALL DISCONNECT SWITCHES, AND EQUIPMENT CABINETS.
10. ALL NEW MATERIAL SHALL HAVE A U.L. LABEL.
11. PANEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLECT POST-CONSTRUCTION EQUIPMENT.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT PANEL SCHEDULE AND SITE DRAWINGS.
13. ALL TRENCHES IN COMPOUND TO BE HAND DUG

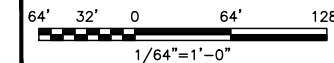
ELECTRICAL NOTES

NO SCALE

2



OVERALL UTILITY ROUTE PLAN



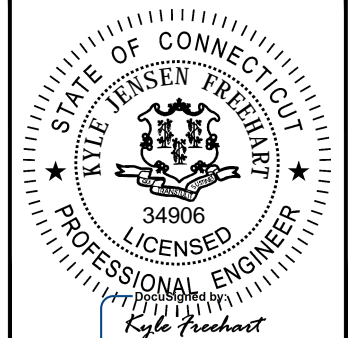
3



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601



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.

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: 0

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER
KHCLC-16709

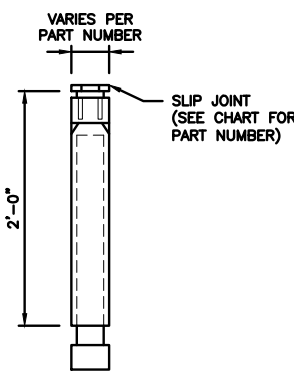
DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

SHEET TITLE
ELECTRICAL/FIBER ROUTE
PLAN AND NOTES

SHEET NUMBER

E-1

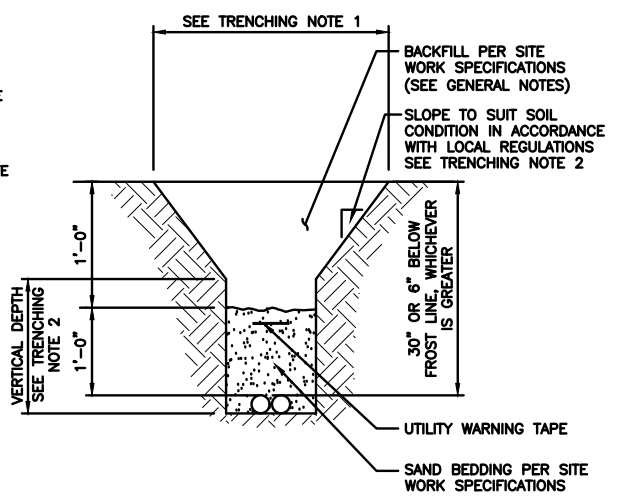
CARLON EXPANSION FITTINGS				
COUPLING END PART#	MALE TERMINAL ADAPTER END PART#	SIZE	STD CTN QTY.	TRAVEL LENGTH
E945D	E945DX	1/2"	20	4"
E945E	E945EX	3/4"	15	4"
E945F	E945FX	1"	10	4"
E945G	E945GX	1 1/4"	5	4"
E945H	E945HX	1 1/2"	5	4"
E945J	E945JX	2"	15	8"
E945K	E945KX	2 1/2"	10	8"
E945L	E945LX	3"	10	8"
E945M	E945MX	3 1/2"	5	8"
E945N	E945NX	4"	5	8"
E945P	E945PX	5"	1	8"
E945R	E945RX	6"	1	8"



NOTE: CONTRACTOR TO INSTALL EXPANSION FITTING SLIP JOINT AT METER CENTER CONDUIT TERMINATION, AS PER LOCAL UTILITY POLICY, ORDINANCE AND/OR SPECIFIED REQUIREMENT.

TRENCHING NOTES

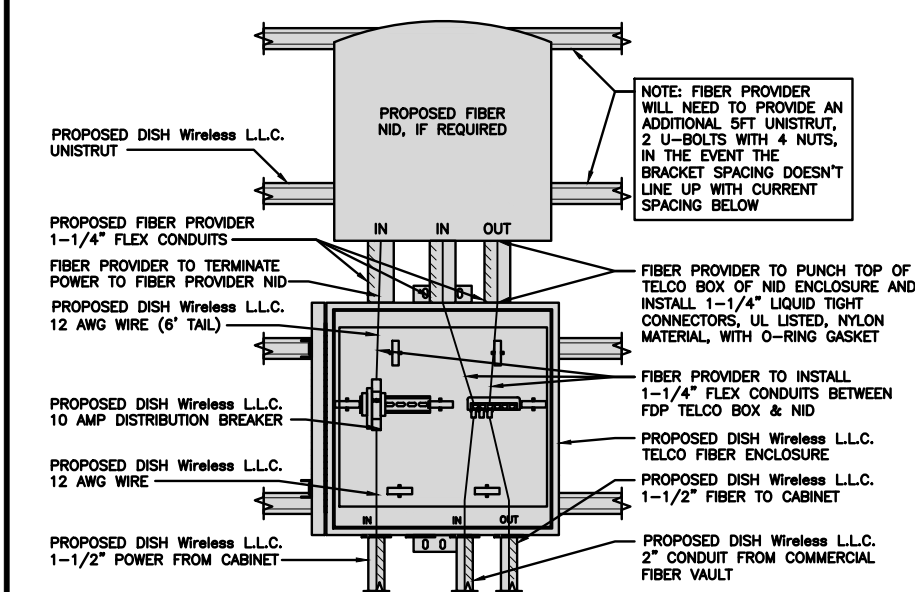
- CONTRACTOR SHALL RESTORE THE TRENCH TO ITS ORIGINAL CONDITIONS BY EITHER SEEDING OR SODDING GRASS AREAS, OR REPLACING ASPHALT OR CONCRETE AREAS TO ITS ORIGINAL CROSS SECTION.
- TRENCHING SAFETY; INCLUDING, BUT NOT LIMITED TO SOIL CLASSIFICATION, SLOPING, AND SHORING, SHALL BE GOVERNED BY THE CURRENT OSHA TRENCHING AND EXCAVATION SAFETY STANDARDS.
- ALL CONDUITS SHALL BE INSTALLED IN COMPLIANCE WITH THE CURRENT NATIONAL ELECTRIC CODE (NEC) OR AS REQUIRED BY THE LOCAL JURISDICTION, WHICHEVER IS THE MOST STRINGENT.



EXPANSION JOINT DETAIL NO SCALE 1

TYPICAL UNDERGROUND TRENCH DETAIL NO SCALE 2

NOT USED NO SCALE 3



LIT TELCO BOX – INTERIOR WIRING LAYOUT (OPTIONAL) NO SCALE 4

NOT USED NO SCALE 5

NOT USED NO SCALE 6

NOT USED NO SCALE 7

NOT USED NO SCALE 8

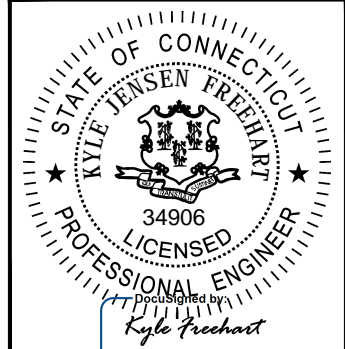
NOT USED NO SCALE 9



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601



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.

DRAWN BY: XQD CHECKED BY: MCK APPROVED BY: MCK

RFDS REV #: 0

CONSTRUCTION DOCUMENTS

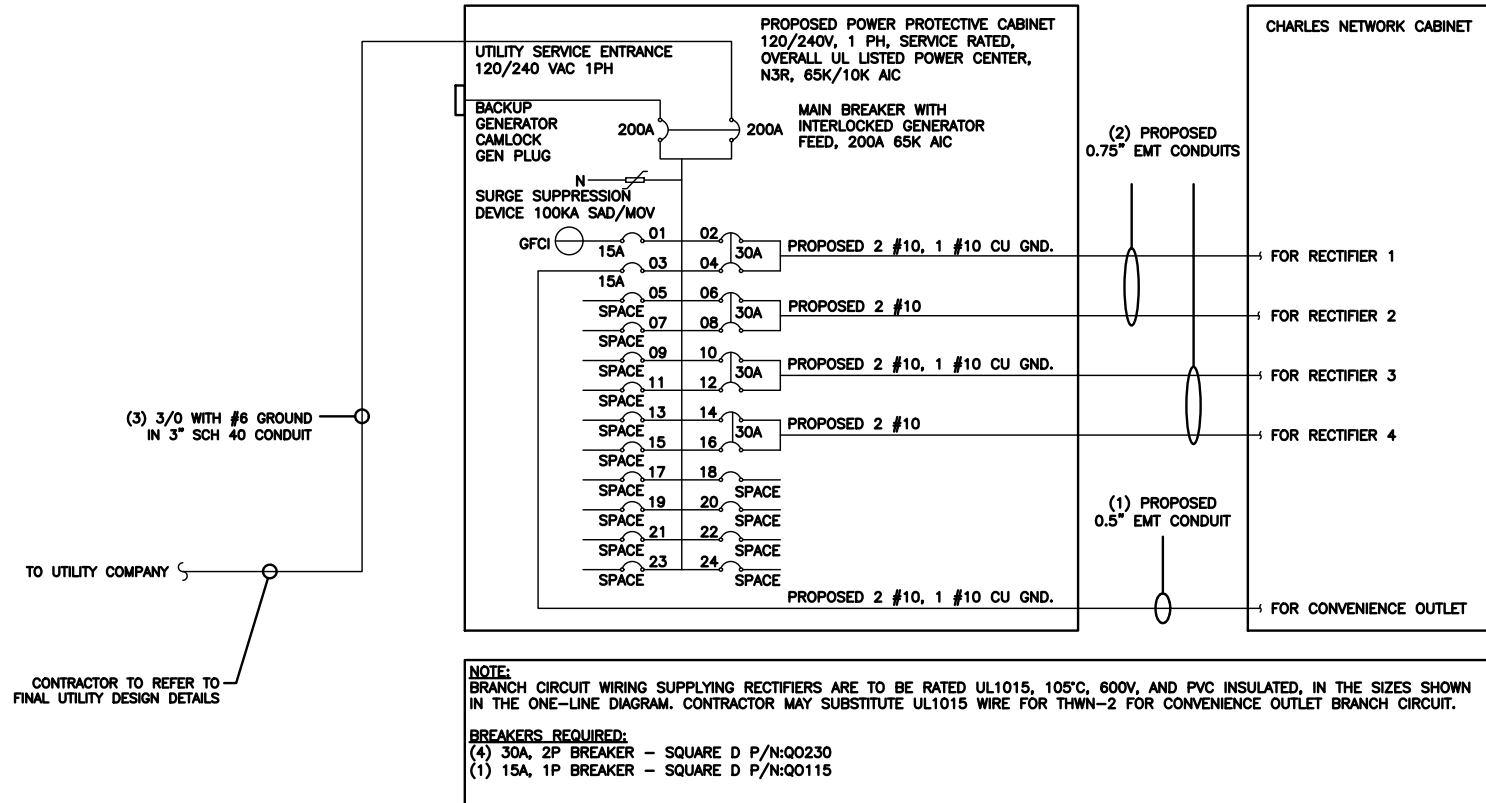
SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER
KHCLC-16709

DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

SHEET TITLE
ELECTRICAL
DETAILS

SHEET NUMBER
E-2



NOTES

THE ENGINEER OF RECORD HAS PERFORMED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE AIC RATINGS FOR EACH DEVICE IS ADEQUATE TO PROTECT THE EQUIPMENT AND THE ELECTRICAL SYSTEM.

THE ENGINEER OF RECORD HAS PERFORMED ALL REQUIRED VOLTAGE DROP CALCULATIONS AND ALL BRANCH CIRCUIT AND FEEDERS COMPLY WITH THE NEC (LISTED ON T-1) ARTICLE 210.19(A)(1) FPN NO. 4.

THE (2) CONDUITS WITH (4) CURRENT CARRYING CONDUCTORS EACH, SHALL APPLY THE ADJUSTMENT FACTOR OF 80% PER 2014/17 NEC TABLE 310.15(B)(3)(a) OR 2020 NEC TABLE 310.15(C)(1) FOR UL1015 WIRE.

#12 FOR 15A-20A/1P BREAKER: 0.8 x 30A = 24.0A
#10 FOR 25A-30A/2P BREAKER: 0.8 x 40A = 32.0A
#8 FOR 35A-40A/2P BREAKER: 0.8 x 55A = 44.0A
#6 FOR 45A-60A/2P BREAKER: 0.8 x 75A = 60.0A

CONDUIT SIZING: AT 40% FILL PER NEC CHAPTER 9, TABLE 4, ARTICLE 358.
0.5" CONDUIT - 0.122 SQ. IN AREA
0.75" CONDUIT - 0.213 SQ. IN AREA
2.0" CONDUIT - 1.316 SQ. IN AREA
3.0" CONDUIT - 2.907 SQ. IN AREA

CABINET CONVENIENCE OUTLET CONDUCTORS (1 CONDUIT): USING THWN-2, CU.
#10 - 0.0211 SQ. IN X 2 = 0.0422 SQ. IN
#10 - 0.0211 SQ. IN X 1 = 0.0211 SQ. IN <GROUND
TOTAL = 0.0633 SQ. IN

0.5" EMT CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (3) WIRES, INCLUDING GROUND WIRE, AS INDICATED ABOVE.

RECTIFIER CONDUCTORS (2 CONDUITS): USING UL1015, CU.
#10 - 0.0266 SQ. IN X 4 = 0.1064 SQ. IN
#10 - 0.0082 SQ. IN X 1 = 0.0082 SQ. IN <BARE GROUND
TOTAL = 0.1146 SQ. IN

0.75" EMT CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (5) WIRES, INCLUDING GROUND WIRE, AS INDICATED ABOVE.

PPC FEED CONDUCTORS (1 CONDUIT): USING THWN, CU.
3/0 - 0.2679 SQ. IN X 3 = 0.8037 SQ. IN
#6 - 0.0507 SQ. IN X 1 = 0.0507 SQ. IN <GROUND
TOTAL = 0.8544 SQ. IN

3.0" SCH 40 PVC CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (4) WIRES, INCLUDING GROUND WIRE, AS INDICATED ABOVE.

PPC ONE-LINE DIAGRAM

NO SCALE 1

PROPOSED CHARLES PANEL SCHEDULE										
LOAD SERVED	VOLT AMPS (WATTS)		TRIP	CKT #	PHASE	CKT #	TRIP	VOLT AMPS (WATTS)		LOAD SERVED
	L1	L2						L1	L2	
PPC GFCI OUTLET	180	180	15A	1	A	2	30A	2880	2880	ABB/GE INFINITY RECTIFIER 1
CHARLES GFCI OUTLET			15A	3	B	4				
-SPACE-				5	A	6	30A	2880	2880	ABB/GE INFINITY RECTIFIER 2
-SPACE-				7	B	8				
-SPACE-				9	A	10	30A	2880	2880	ABB/GE INFINITY RECTIFIER 3
-SPACE-				11	B	12				
-SPACE-				13	A	14	30A	2880	2880	ABB/GE INFINITY RECTIFIER 4
-SPACE-				15	B	16				
-SPACE-				17	A	18				-SPACE-
-SPACE-				19	B	20				-SPACE-
-SPACE-				21	A	22				-SPACE-
-SPACE-				23	B	24				-SPACE-
VOLTAGE AMPS	180	180						11520	11520	
200A MCB, 1 ϕ , 24 SPACE, 120/240V				L1	L2					
MB RATING: 65,000 AIC				11700	11700					
				98	98					VOLTAGE AMPS
										AMPS
										98
										MAX AMPS
										123
										MAX 125%

PANEL SCHEDULE

NO SCALE 2

NOT USED

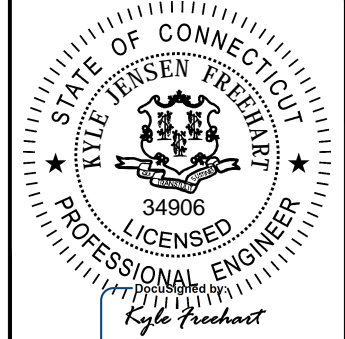
NO SCALE 3



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601



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.

DRAWN BY: XQD CHECKED BY: MCK APPROVED BY: MCK

RFDS REV #: 0

CONSTRUCTION DOCUMENTS

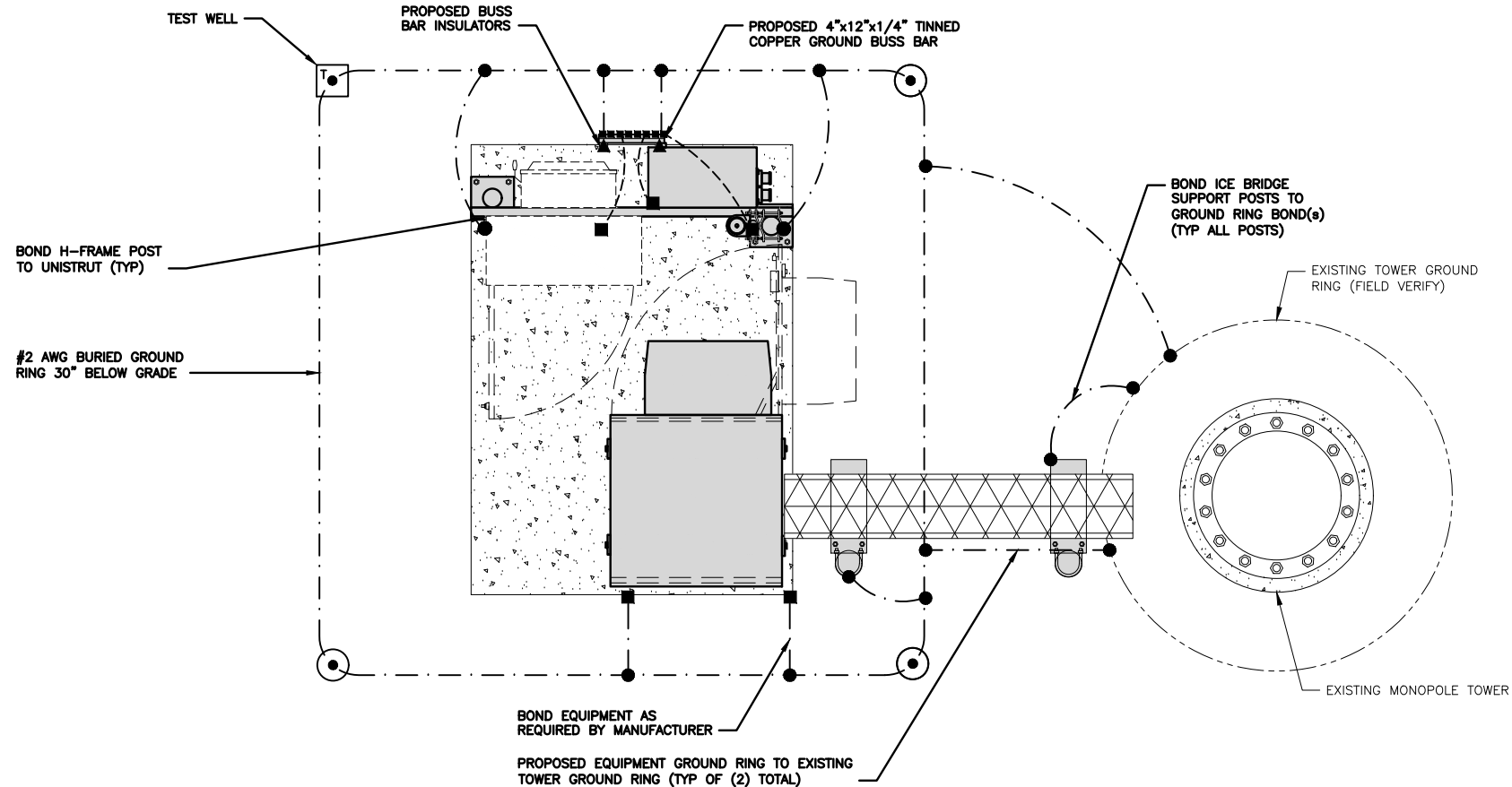
SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER
KHCLC-16709

DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

SHEET TITLE
ELECTRICAL ONE-LINE, FAULT
CALCS & PANEL SCHEDULE

SHEET NUMBER
E-3

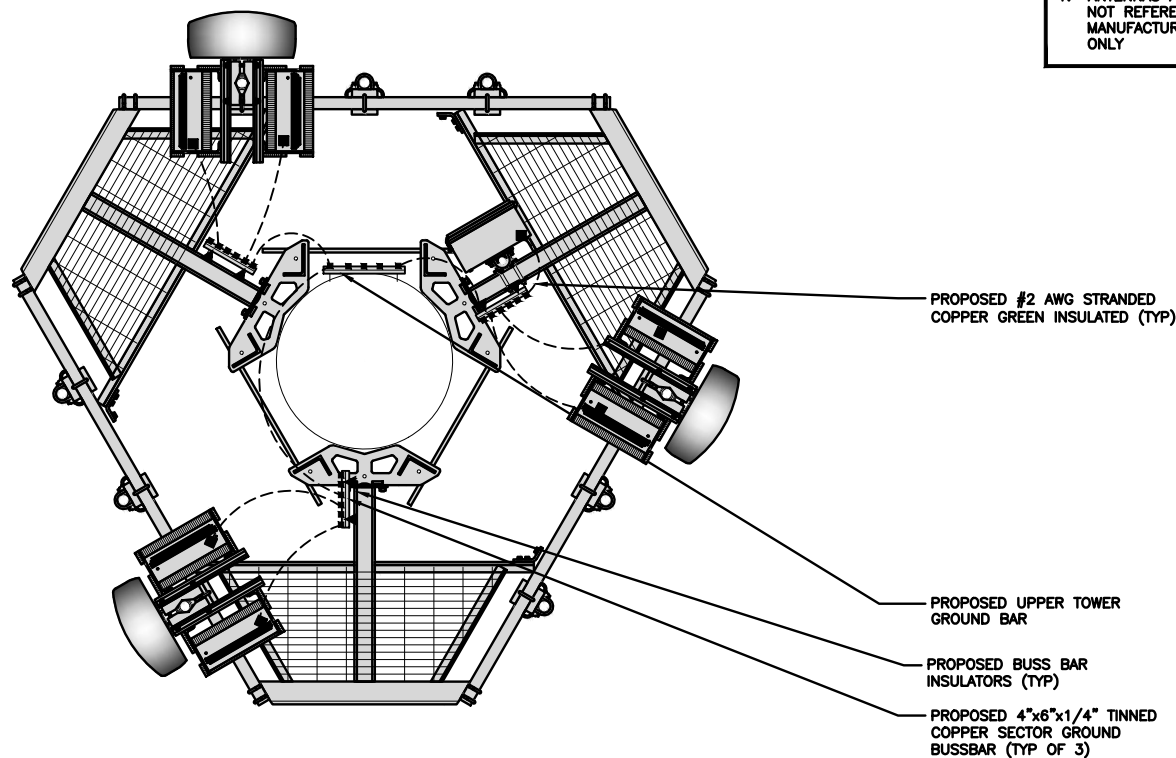


TYPICAL EQUIPMENT GROUNDING PLAN

NO SCALE 1

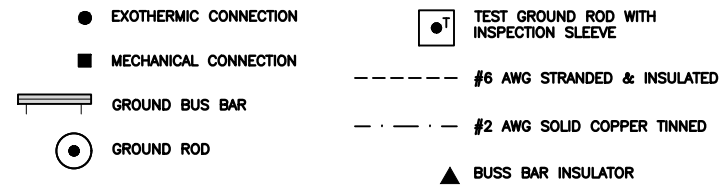
NOTES

1. ANTENNAS AND OVP SHOWN ARE GENERIC AND NOT REFERENCING TO A SPECIFIC MANUFACTURER. THIS LAYOUT IS FOR REFERENCE ONLY



TYPICAL ANTENNA GROUNDING PLAN

NO SCALE 2



GROUNDING LEGEND

1. GROUNDING IS SHOWN DIAGRAMMATICALLY ONLY.
2. CONTRACTOR SHALL GROUND ALL EQUIPMENT AS A COMPLETE SYSTEM. GROUNDING SHALL BE IN COMPLIANCE WITH NEC SECTION 250 AND DISH Wireless L.L.C. GROUNDING AND BONDING REQUIREMENTS AND MANUFACTURER'S SPECIFICATIONS.
3. ALL GROUND CONDUCTORS SHALL BE COPPER; NO ALUMINUM CONDUCTORS SHALL BE USED.

GROUNDING KEY NOTES

- (A) **EXTERIOR GROUND RING:** #2 AWG SOLID COPPER, BURIED AT A DEPTH OF AT LEAST 30 INCHES BELOW GRADE, OR 6 INCHES BELOW THE FROST LINE AND APPROXIMATELY 24 INCHES FROM THE EXTERIOR WALL OR FOOTING.
- (B) **TOWER GROUND RING:** THE GROUND RING SYSTEM SHALL BE INSTALLED AROUND AN ANTENNA TOWER'S LEGS, AND/OR GUY ANCHORS. WHERE SEPARATE SYSTEMS HAVE BEEN PROVIDED FOR THE TOWER AND THE BUILDING, AT LEAST TWO BONDS SHALL BE MADE BETWEEN THE TOWER RING GROUND SYSTEM AND THE BUILDING RING GROUND SYSTEM USING MINIMUM #2 AWG SOLID COPPER CONDUCTORS.
- (C) **INTERIOR GROUND RING:** #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTOR EXTENDED AROUND THE PERIMETER OF THE EQUIPMENT AREA. ALL NON-TELECOMMUNICATIONS RELATED METALLIC OBJECTS FOUND WITHIN A SITE SHALL BE GROUNDED TO THE INTERIOR GROUND RING WITH #6 AWG STRANDED GREEN INSULATED CONDUCTOR.
- (D) **BOND TO INTERIOR GROUND RING:** #2 AWG SOLID TINNED COPPER WIRE PRIMARY BONDS SHALL BE PROVIDED AT LEAST AT FOUR POINTS ON THE INTERIOR GROUND RING, LOCATED AT THE CORNERS OF THE BUILDING.
- (E) **GROUND ROD:** UL LISTED COPPER CLAD STEEL, MINIMUM 1/2" DIAMETER BY EIGHT FEET LONG. GROUND RODS SHALL BE INSTALLED WITH INSPECTION SLEEVES. GROUND RODS SHALL BE DRIVEN TO THE DEPTH OF GROUND RING CONDUCTOR.
- (F) **CELL REFERENCE GROUND BAR:** POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 AWG UNLESS NOTED OTHERWISE STRANDED GREEN INSULATED COPPER CONDUCTORS. BOND TO GROUND RING WITH (2) #2 SOLID TINNED COPPER CONDUCTORS.
- (G) **HATCH PLATE GROUND BAR:** BOND TO THE INTERIOR GROUND RING WITH TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS. WHEN A HATCH-PLATE AND A CELL REFERENCE GROUND BAR ARE BOTH PRESENT, THE CRGB MUST BE CONNECTED TO THE HATCH-PLATE AND TO THE INTERIOR GROUND RING USING (2) TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS EACH.
- (H) **EXTERIOR CABLE ENTRY PORT GROUND BARS:** LOCATED AT THE ENTRANCE TO THE CELL SITE BUILDING. BOND TO GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTORS WITH AN EXOTHERMIC WELD AND INSPECTION SLEEVE.
- (I) **TELCO GROUND BAR:** BOND TO BOTH CELL REFERENCE GROUND BAR OR EXTERIOR GROUND RING.
- (J) **FRAME BONDING:** THE BONDING POINT FOR TELECOM EQUIPMENT FRAMES SHALL BE THE GROUND BUS THAT IS NOT ISOLATED FROM THE EQUIPMENTS METAL FRAMEWORK.
- (K) **INTERIOR UNIT BONDS:** METAL FRAMES, CABINETS AND INDIVIDUAL METALLIC UNITS LOCATED WITH THE AREA OF THE INTERIOR GROUND RING REQUIRE A #6 AWG STRANDED GREEN INSULATED COPPER BOND TO THE INTERIOR GROUND RING.
- (L) **FENCE AND GATE GROUNDING:** METAL FENCES WITHIN 7 FEET OF THE EXTERIOR GROUND RING OR OBJECTS BONDED TO THE EXTERIOR GROUND RING SHALL BE BONDED TO THE GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTOR AT AN INTERVAL NOT EXCEEDING 25 FEET. BONDS SHALL BE MADE AT EACH GATE POST AND ACROSS GATE OPENINGS.
- (M) **EXTERIOR UNIT BONDS:** METALLIC OBJECTS, EXTERNAL TO OR MOUNTED TO THE BUILDING, SHALL BE BONDED TO THE EXTERIOR GROUND RING. USING #2 TINNED SOLID COPPER WIRE
- (N) **ICE BRIDGE SUPPORTS:** EACH ICE BRIDGE LEG SHALL BE BONDED TO THE GROUND RING WITH #2 AWG BARE TINNED COPPER CONDUCTOR. PROVIDE EXOTHERMIC WELDS AT BOTH THE ICE BRIDGE LEG AND BURIED GROUND RING.
- (O) **DURING ALL DC POWER SYSTEM CHANGES INCLUDING DC SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BREAKER DISTRIBUTION CHANGES, BATTERY ADDITIONS, BATTERY REPLACEMENTS AND INSTALLATIONS OR CHANGES TO DC CONVERTER SYSTEMS IT SHALL BE REQUIRED THAT SERVICE CONTRACTORS VERIFY ALL DC POWER SYSTEMS ARE EQUIPPED WITH A MASTER DC SYSTEM RETURN GROUND CONDUCTOR FROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY CONNECTED TO THE CELL SITE REFERENCE GROUND BAR**
- (P) **TOWER TOP COLLECTOR BUSS BAR IS TO BE MECHANICALLY BONDED TO PROPOSED ANTENNA MOUNT COLLAR. REFER TO DISH Wireless L.L.C. GROUNDING NOTES.**

GROUNDING KEY NOTES

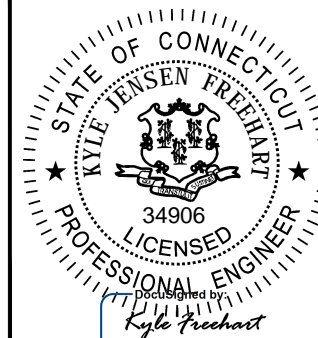
NO SCALE 3



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601



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.

DRAWN BY: XQD CHECKED BY: MCK APPROVED BY: MCK

RFDS REV #: 0

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER
KHCLC-16709

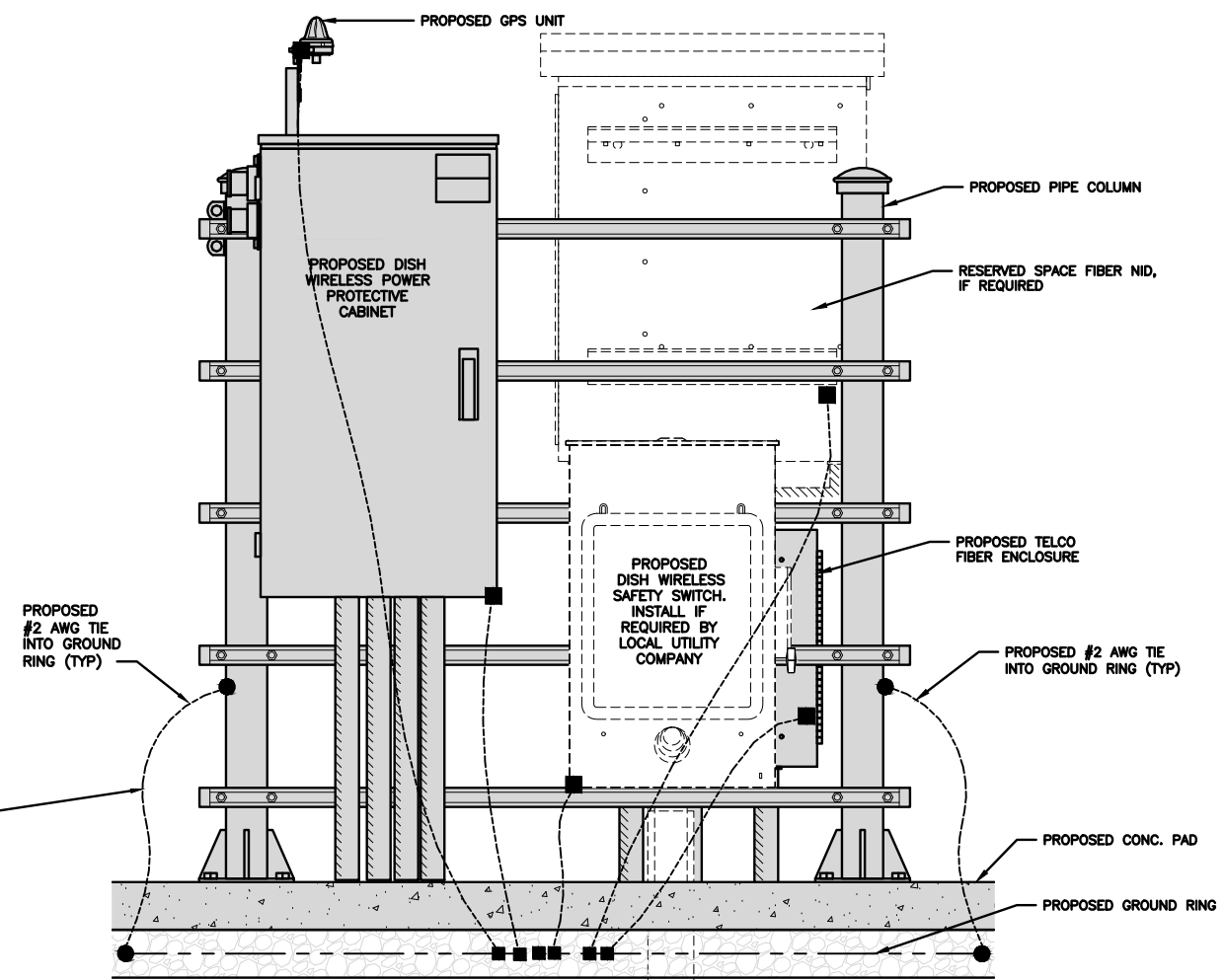
DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

SHEET TITLE
GROUNDING PLANS
AND NOTES

SHEET NUMBER

G-1

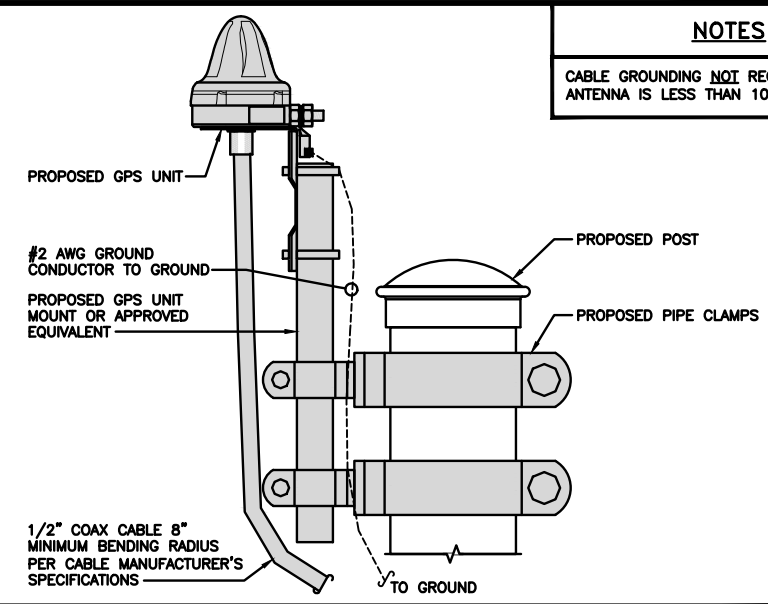
NOTES
EQUIPMENT CABINET OMITTED FOR CLARITY



H-FRAME GROUNDING DETAIL

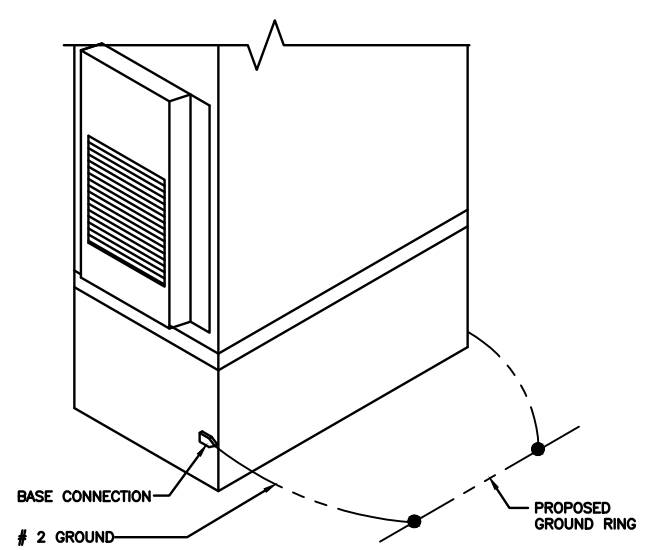
NO SCALE 1

NOTES
CABLE GROUNDING NOT REQUIRED WHEN ANTENNA IS LESS THAN 10' FROM CABINET



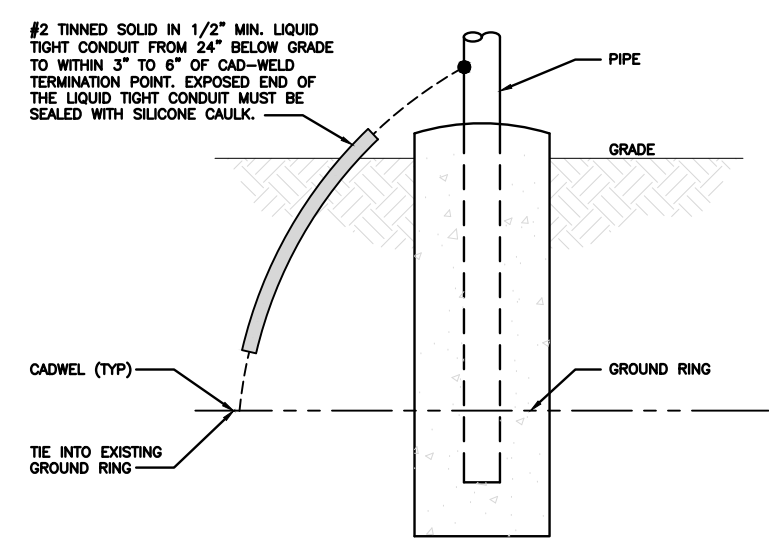
TYPICAL GPS UNIT GROUNDING

NO SCALE 2



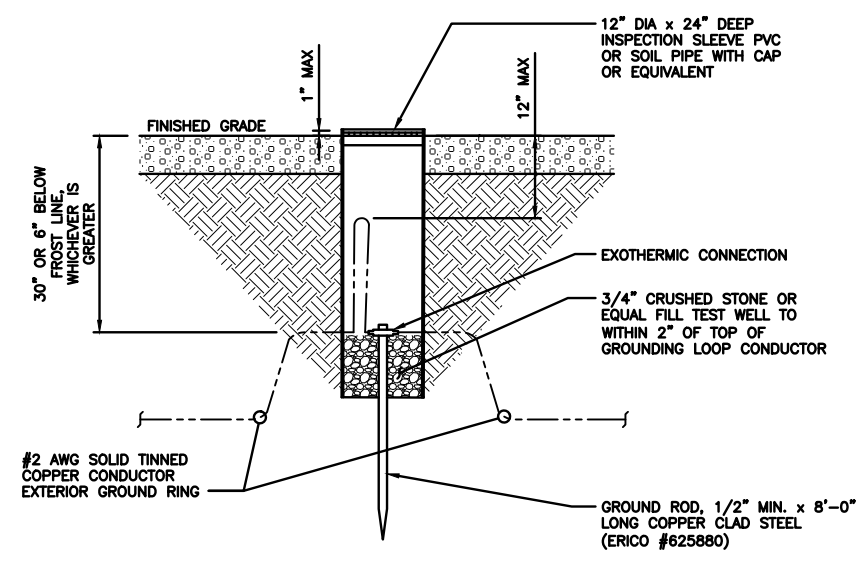
OUTDOOR CABINET GROUNDING

NO SCALE 3



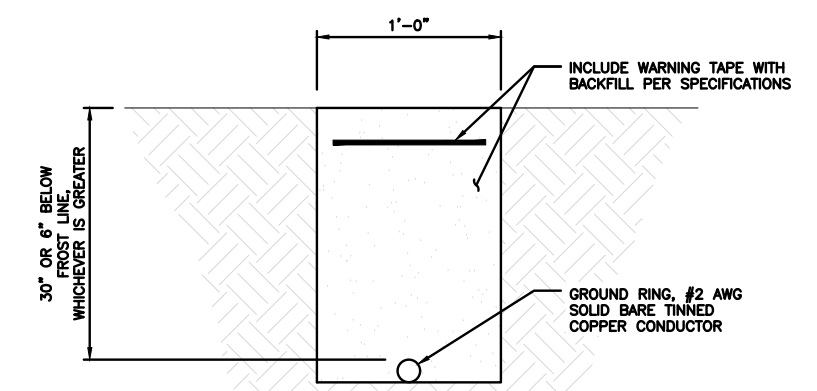
TRANSITIONING GROUND DETAIL

NO SCALE 4



TYPICAL TEST GROUND ROD WITH INSPECTION SLEEVE

NO SCALE 5



TYPICAL GROUND RING TRENCH

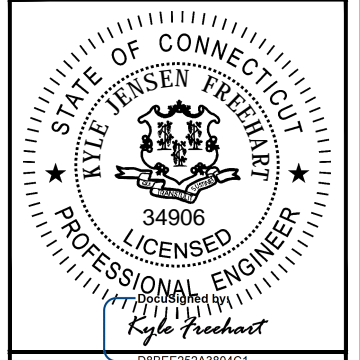
NO SCALE 6



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601



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.

DRAWN BY: XQD CHECKED BY: MCK APPROVED BY: MCK

RFDS REV #: 0

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER
KHCLC-16709

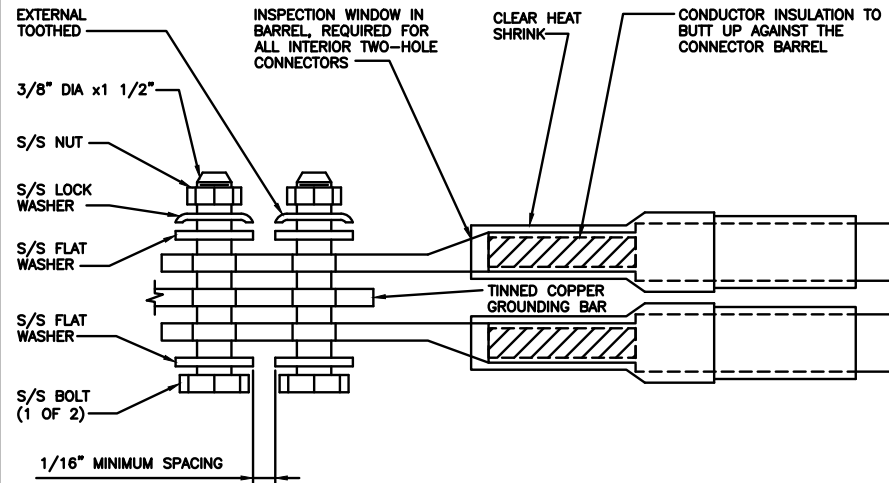
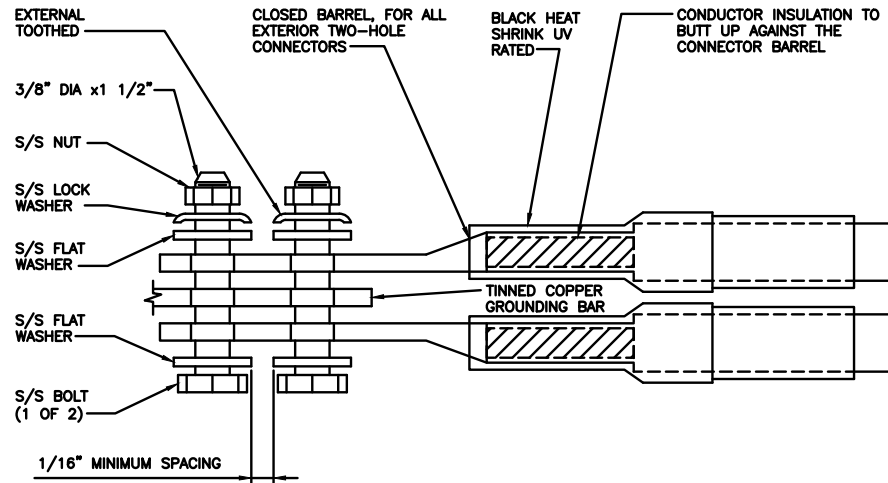
DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER

G-2

1. EXOTHERMIC WELD (2) TWO, #2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUND BAR. ROUTE CONDUCTORS TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
2. ALL EXTERIOR GROUNDING HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
3. FOR GROUND BOND TO STEEL ONLY: COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
4. DO NOT INSTALL CABLE GROUNDING KIT AT A BEND AND ALWAYS DIRECT GROUND CONDUCTOR DOWN TO GROUNDING BUS.
5. NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND BOLTED ON THE BACK SIDE.
6. ALL GROUNDING PARTS AND EQUIPMENT TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BAR AS REQUIRED.
8. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).



TYPICAL GROUNDING NOTES

NO SCALE

1

TYPICAL EXTERIOR TWO HOLE LUG

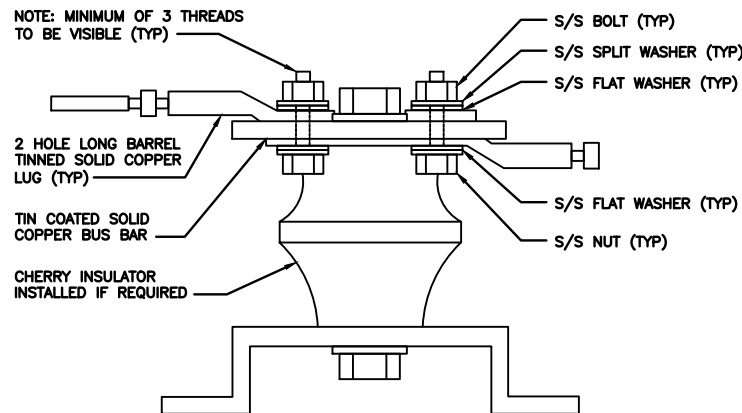
NO SCALE

2

TYPICAL INTERIOR TWO HOLE LUG

NO SCALE

3



LUG DETAIL

NO SCALE

4

NOT USED

NO SCALE

5

NOT USED

NO SCALE

6

NOT USED

NO SCALE

7

NOT USED

NO SCALE

8

NOT USED

NO SCALE

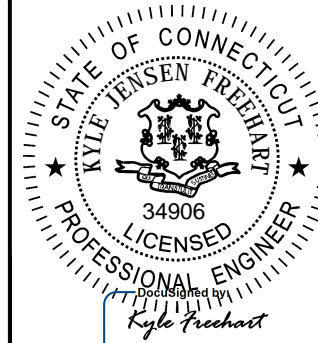
9

dish
wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

Kimley»Horn

COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601



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.

DRAWN BY: XQD
CHECKED BY: MCK
APPROVED BY: MCK

RFDS REV #: 0

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

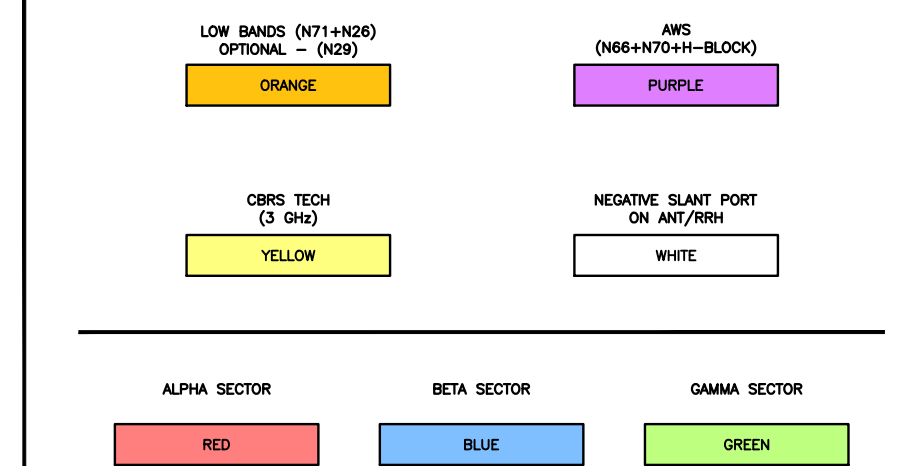
A&E PROJECT NUMBER
KHCLC-16709

DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER
G-3

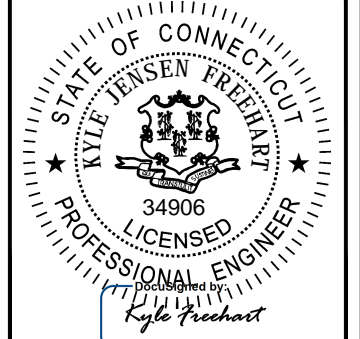
HYBRID/DISCREET CABLES												3/4" TAPE WIDTHS WITH 3/4" SPACING															
LOW-BAND RRH (600 MHz N71 BASEBAND) + (850 MHz N26 BAND) + (700 MHz N29 BAND) - OPTIONAL PER MARKET ADD FREQUENCY COLOR TO SECTOR BAND (CBRS WILL USE YELLOW BAND)												ALPHA RRH				BETA RRH				GAMMA RRH							
												PORT 1 + SLANT	PORT 2 - SLANT	PORT 3 + SLANT	PORT 4 - SLANT	PORT 1 + SLANT	PORT 2 - SLANT	PORT 3 + SLANT	PORT 4 - SLANT	PORT 1 + SLANT	PORT 2 - SLANT	PORT 3 + SLANT	PORT 4 - SLANT				
												RED	RED	RED	RED	BLUE	BLUE	BLUE	BLUE	GREEN	GREEN	GREEN	GREEN				
												ORANGE	ORANGE	RED	RED	ORANGE	ORANGE	BLUE	BLUE	ORANGE	ORANGE	GREEN	GREEN				
													WHITE (-) PORT	ORANGE	ORANGE		WHITE (-) PORT	ORANGE	ORANGE		WHITE (-) PORT	ORANGE	ORANGE				
															WHITE (-) PORT				WHITE (-) PORT				WHITE (-) PORT				
MID-BAND RRH (AWS BANDS N66+N70) ADD FREQUENCY COLOR TO SECTOR BAND (CBRS WILL USE YELLOW BANDS)																											
												RED	RED	RED	RED	BLUE	BLUE	BLUE	BLUE	GREEN	GREEN	GREEN	GREEN				
												PURPLE	PURPLE	RED	RED	PURPLE	PURPLE	BLUE	BLUE	PURPLE	PURPLE	GREEN	GREEN				
													WHITE (-) PORT	PURPLE	PURPLE		WHITE (-) PORT	PURPLE	PURPLE		WHITE (-) PORT	PURPLE	PURPLE				
															WHITE (-) PORT				WHITE (-) PORT				WHITE (-) PORT				
HYBRID/DISCREET CABLES INCLUDE SECTOR BANDS BEING SUPPORTED ALONG WITH FREQUENCY BANDS. EXAMPLE 1 - HYBRID, OR DISCREET, SUPPORTS ALL SECTORS, BOTH LOW-BANDS AND MID-BANDS. EXAMPLE 2 - HYBRID, OR DISCREET, SUPPORTS CBRS ONLY, ALL SECTORS. EXAMPLE 3 - MAIN COAX WITH GROUND MOUNTED RRHS.												EXAMPLE 1	EXAMPLE 2	EXAMPLE 3	CANISTER COAX #1 (ALPHA)												
												RED	RED	RED	RED												
												BLUE	BLUE	BLUE	RED												
												GREEN	GREEN														
												ORANGE	YELLOW														
												PURPLE															
FIBER JUMPERS TO RRHS LOW-BAND HHR FIBER CABLES HAVE SECTOR STRIPE ONLY.												LOW BAND RRH	MID BAND RRH	LOW BAND RRH	MID BAND RRH	LOW BAND RRH	MID BAND RRH	LOW BAND RRH	MID BAND RRH								
												RED	RED	BLUE	BLUE	GREEN	GREEN	ORANGE	ORANGE								
												ORANGE	PURPLE	ORANGE	PURPLE	ORANGE	PURPLE										
POWER CABLES TO RRHS LOW-BAND RRH POWER CABLES HAVE SECTOR STRIPE ONLY.												LOW BAND RRH	MID BAND RRH	LOW BAND RRH	MID BAND RRH	LOW BAND RRH	MID BAND RRH	LOW BAND RRH	MID BAND RRH								
												RED	RED	BLUE	BLUE	GREEN	GREEN	ORANGE	ORANGE								
												ORANGE	PURPLE	ORANGE	PURPLE	ORANGE	PURPLE										
RET MOTORS AT ANTENNAS RET CONTROL IS HANDLED BY THE MID-BAND RRH WHEN ONE SET OF RET PORTS EXIST ON ANTENNA. SEPARATE RET CABLES ARE USED WHEN ANTENNA PORTS PROVIDE INPUTS FOR BOTH LOW AND MID BANDS.												ANTENNA 1 MID BAND	ANTENNA 1 LOW BAND	ANTENNA 1 MID BAND	ANTENNA 1 LOW BAND	ANTENNA 1 MID BAND	ANTENNA 1 LOW BAND	ANTENNA 1 MID BAND	ANTENNA 1 LOW BAND								
												IN	IN	IN	IN	IN	IN	IN	IN								
												RED	RED	BLUE	BLUE	GREEN	GREEN	PURPLE	ORANGE								
												PURPLE	ORANGE	PURPLE	ORANGE	PURPLE	ORANGE										
MICROWAVE RADIO LINKS LINKS WILL HAVE A 1.5-2 INCH WHITE WRAP WITH THE AZIMUTH COLOR OVERLAPPING IN THE MIDDLE. ADD ADDITIONAL SECTOR COLOR BANDS FOR EACH ADDITIONAL MW RADIO. MICROWAVE CABLES WILL REQUIRE P-TOUCH LABELS INSIDE THE CABINET TO IDENTIFY THE LOCAL AND REMOTE SITE ID'S.												FORWARD AZIMUTH OF 0-120 DEGREES		FORWARD AZIMUTH OF 120-240 DEGREES		FORWARD AZIMUTH OF 240-359 DEGREES											
												PRIMARY	SECONDARY	PRIMARY	SECONDARY	PRIMARY	SECONDARY	PRIMARY	SECONDARY								
												WHITE	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE								
												RED	RED	BLUE	BLUE	GREEN	GREEN	WHITE	WHITE								
												WHITE	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE								
													RED	BLUE	WHITE		GREEN		GREEN								
													WHITE		WHITE		WHITE		WHITE								



COLOR IDENTIFIER	2
------------------	---

NOT USED	3
----------	---

NOT USED	4
----------	---



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.

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK
RFDS REV #:	0	

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER
KHCLC-16709

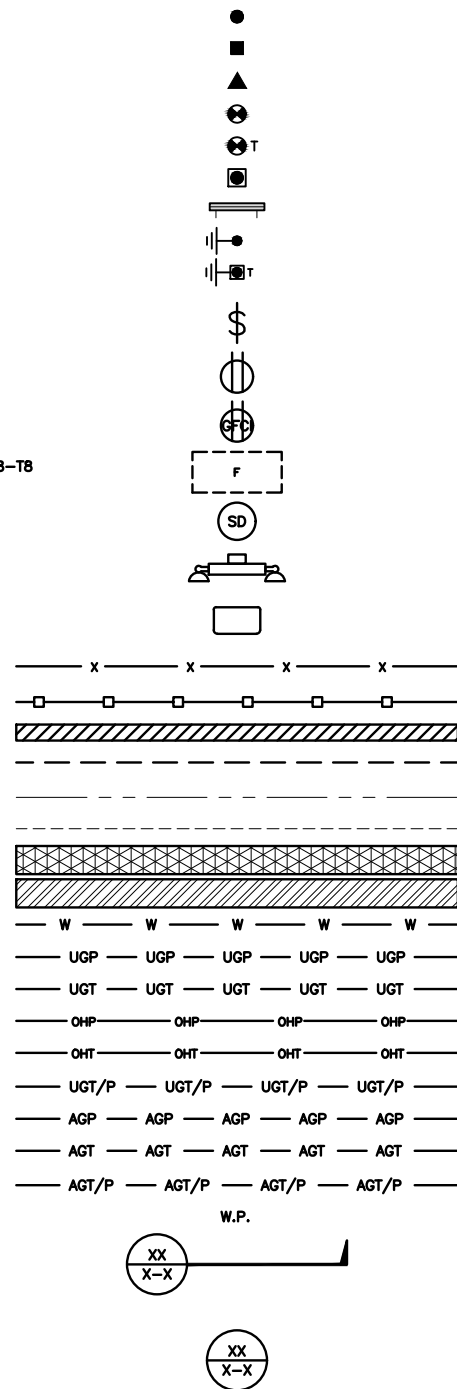
DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

SHEET TITLE
RF
CABLE COLOR CODES

SHEET NUMBER
RF-1

RF CABLE COLOR CODES

EXOTHERMIC CONNECTION
 MECHANICAL CONNECTION
 BUSS BAR INSULATOR
 CHEMICAL ELECTROLYTIC GROUNDING SYSTEM
 TEST CHEMICAL ELECTROLYTIC GROUNDING SYSTEM
 EXOTHERMIC WITH INSPECTION SLEEVE
 GROUNDING BAR
 GROUND ROD
 TEST GROUND ROD WITH INSPECTION SLEEVE
 SINGLE POLE SWITCH
 DUPLEX RECEPTACLE
 DUPLEX GFCI RECEPTACLE
 FLUORESCENT LIGHTING FIXTURE (2) TWO LAMPS 48-T8
 SMOKE DETECTION (DC)
 EMERGENCY LIGHTING (DC)
 SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW
 LED-1-25A400/51K-SR4-120-PE-DBBTXD
 CHAIN LINK FENCE
 WOOD/WROUGHT IRON FENCE
 WALL STRUCTURE
 LEASE AREA
 PROPERTY LINE (PL)
 SETBACKS
 ICE BRIDGE
 CABLE TRAY
 WATER LINE
 UNDERGROUND POWER
 UNDERGROUND TELCO
 OVERHEAD POWER
 OVERHEAD TELCO
 UNDERGROUND TELCO/POWER
 ABOVE GROUND POWER
 ABOVE GROUND TELCO
 ABOVE GROUND TELCO/POWER
 WORKPOINT
 SECTION REFERENCE
 DETAIL REFERENCE



LEGEND

AB	ANCHOR BOLT	IN	INCH
ABV	ABOVE	INT	INTERIOR
AC	ALTERNATING CURRENT	LB(S)	POUND(S)
ADDL	ADDITIONAL	LF	LINEAR FEET
AFF	ABOVE FINISHED FLOOR	LTE	LONG TERM EVOLUTION
AFG	ABOVE FINISHED GRADE	MAS	MASONRY
AGL	ABOVE GROUND LEVEL	MAX	MAXIMUM
AIC	AMPERAGE INTERRUPTION CAPACITY	MB	MACHINE BOLT
ALUM	ALUMINUM	MECH	MECHANICAL
ALT	ALTERNATE	MFR	MANUFACTURER
ANT	ANTENNA	MGB	MASTER GROUND BAR
APPROX	APPROXIMATE	MIN	MINIMUM
ARCH	ARCHITECTURAL	MISC	MISCELLANEOUS
ATS	AUTOMATIC TRANSFER SWITCH	MTL	METAL
AWG	AMERICAN WIRE GAUGE	MTS	MANUAL TRANSFER SWITCH
BATT	BATTERY	MW	MICROWAVE
BLDG	BUILDING	NEC	NATIONAL ELECTRIC CODE
BLK	BLOCK	NM	NEWTON METERS
BLKG	BLOCKING	NO.	NUMBER
BM	BEAM	#	NUMBER
BTC	BARE TINNED COPPER CONDUCTOR	NTS	NOT TO SCALE
BOF	BOTTOM OF FOOTING	OC	ON-CENTER
CAB	CABINET	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
CANT	CANTILEVERED	OPNG	OPENING
CHG	CHARGING	P/C	PRECAST CONCRETE
CLG	CEILING	PCS	PERSONAL COMMUNICATION SERVICES
CLR	CLEAR	PCU	PRIMARY CONTROL UNIT
COL	COLUMN	PRC	PRIMARY RADIO CABINET
COMM	COMMON	PP	POLARIZING PRESERVING
CONC	CONCRETE	PSF	POUNDS PER SQUARE FOOT
CONSTR	CONSTRUCTION	PSI	POUNDS PER SQUARE INCH
DBL	DOUBLE	PT	PRESSURE TREATED
DC	DIRECT CURRENT	PWR	POWER CABINET
DEPT	DEPARTMENT	QTY	QUANTITY
DF	DOUGLAS FIR	RAD	RADIUS
DIA	DIAMETER	RECT	RECTIFIER
DIAG	DIAGONAL	REF	REFERENCE
DIM	DIMENSION	REINF	REINFORCEMENT
DWG	DRAWING	REQ'D	REQUIRED
DWL	DOWEL	RET	REMOTE ELECTRIC TILT
EA	EACH	RF	RADIO FREQUENCY
EC	ELECTRICAL CONDUCTOR	RMC	RIGID METALLIC CONDUIT
EL	ELEVATION	RRH	REMOTE RADIO HEAD
ELEC	ELECTRICAL	RRU	REMOTE RADIO UNIT
EMT	ELECTRICAL METALLIC TUBING	RWY	RACEWAY
ENG	ENGINEER	SCH	SCHEDULE
EQ	EQUAL	SHT	SHEET
EXP	EXPANSION	SIAD	SMART INTEGRATED ACCESS DEVICE
EXT	EXTERIOR	SIM	SIMILAR
EW	EACH WAY	SPEC	SPECIFICATION
FAB	FABRICATION	SQ	SQUARE
FF	FINISH FLOOR	SS	STAINLESS STEEL
FG	FINISH GRADE	STD	STANDARD
FIF	FACILITY INTERFACE FRAME	STL	STEEL
FIN	FINISH(ED)	TEMP	TEMPORARY
FLR	FLOOR	THK	THICKNESS
FDN	FOUNDATION	TMA	TOWER MOUNTED AMPLIFIER
FOC	FACE OF CONCRETE	TN	TOE NAIL
FOM	FACE OF MASONRY	TOA	TOP OF ANTENNA
FOS	FACE OF STUD	TOC	TOP OF CURB
FOW	FACE OF WALL	TOF	TOP OF FOUNDATION
FS	FINISH SURFACE	TOP	TOP OF PLATE (PARAPET)
FT	FOOT	TOS	TOP OF STEEL
FTG	FOOTING	TOW	TOP OF WALL
GA	GAUGE	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
GEN	GENERATOR	TYP	TYPICAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	UG	UNDERGROUND
GLB	GLUE LAMINATED BEAM	UL	UNDERWRITERS LABORATORY
GLV	GALVANIZED	UNO	UNLESS NOTED OTHERWISE
GPS	GLOBAL POSITIONING SYSTEM	UMTS	UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
GND	GROUND	UPS	UNINTERRUPTIBLE POWER SYSTEM (DC POWER PLANT)
GSM	GLOBAL SYSTEM FOR MOBILE	VIF	VERIFIED IN FIELD
HDG	HOT DIPPED GALVANIZED	W	WIDE
HDR	HEADER	W/	WITH
HGR	HANGER	WD	WOOD
HVAC	HEAT/VENTILATION/AIR CONDITIONING	WP	WEATHERPROOF
HT	HEIGHT	WT	WEIGHT
IGR	INTERIOR GROUND RING		

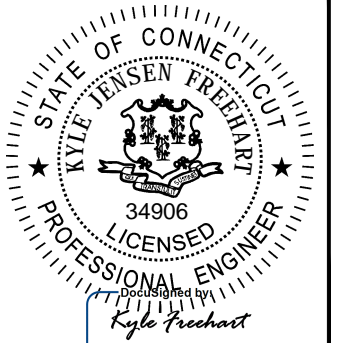
ABBREVIATIONS



5701 SOUTH SANTA FE DRIVE
 LITTLETON, CO 80120



COA #: PEC.0000738
 421 FAYETTEVILLE ST, SUITE 600
 RALEIGH, NC 27601



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.

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: 0

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER
 KHCLC-16709

DISH Wireless L.L.C.
 PROJECT INFORMATION
 BOHVN00170A
 115 INDUSTRIAL PARK RD
 NEW HARTFORD, CT
 06057

SHEET TITLE
 LEGEND AND ABBREVIATIONS

SHEET NUMBER

GN-1

SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED – NO WORK SHALL COMMENCE PRIOR TO CONTRACTOR RECEIVING A WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE DISH Wireless L.L.C. AND TOWER OWNER NOC & THE DISH Wireless L.L.C. AND TOWER OWNER CONSTRUCTION MANAGER.
2. "LOOK UP" – DISH Wireless L.L.C. AND TOWER OWNER SAFETY CLIMB REQUIREMENT:
THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR DISH Wireless L.L.C. AND DISH Wireless L.L.C. AND TOWER OWNER POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND DISH Wireless L.L.C. AND TOWER OWNER STANDARDS, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA-322 (LATEST EDITION).
5. ALL SITE WORK TO COMPLY WITH DISH Wireless L.L.C. AND TOWER OWNER INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON DISH Wireless L.L.C. AND TOWER OWNER TOWER SITE AND LATEST VERSION OF ANSI/TIA-1019-A-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY DISH Wireless L.L.C. AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES INCLUDING PRIVATE LOCATES SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND DISH PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF DISH Wireless L.L.C. AND TOWER OWNER, 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 AND RADIOS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GENERAL NOTES:

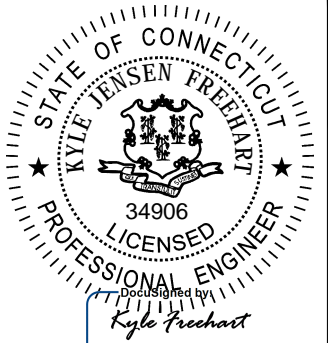
1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
CARRIER: DISH Wireless L.L.C.
TOWER OWNER: TOWER OWNER
2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED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



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601



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.

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK
RFDS REV #:		0

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER
KHCLC-16709

DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
 - 4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
 - 4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
8. TIE WRAPS ARE NOT ALLOWED.
9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.

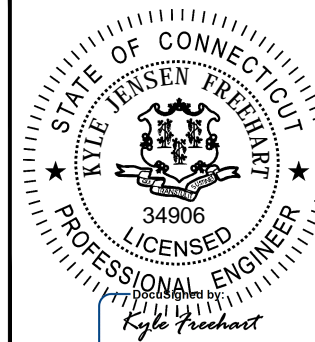
16. ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).
22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER-ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3 (OR BETTER) FOR EXTERIOR LOCATIONS.
25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR DISH Wireless L.L.C. AND TOWER OWNER BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "DISH Wireless L.L.C.".
30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601



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.

DRAWN BY: CHECKED BY: APPROVED BY:

XQD MCK MCK

RFDS REV #: 0

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER
KHCLC-16709

DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-3

GROUNDING NOTES:

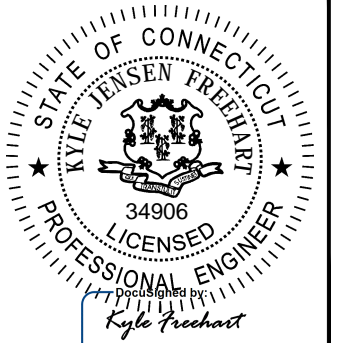
1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING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



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601



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.

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: 0

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/07/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER
KHCLC-16709

DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00170A
115 INDUSTRIAL PARK RD
NEW HARTFORD, CT
06057

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-4

Certificate Of Completion

Envelope Id: 2663743E63394068A7C24984A9CA59F1	Status: Completed
Subject: Please DocuSign: BOHVN00170A_FCD_REVO_03.03.22_sealed.pdf	
Source Envelope:	
Document Pages: 18	Signatures: 18
Certificate Pages: 1	Initials: 0
AutoNav: Enabled	Envelope Originator:
Enveloped Stamping: Enabled	Manuel JaraPerez
Time Zone: (UTC-05:00) Eastern Time (US & Canada)	401 Fayetteville St.
	Suite 600
	Raleigh, NC 27601
	Manuel.JaraPerez@kimley-horn.com
	IP Address: 208.127.231.172


Record Tracking

Status: Original	Holder: Manuel JaraPerez	Location: DocuSign
3/7/2022 10:43:15 AM	Manuel.JaraPerez@kimley-horn.com	

Signer Events

Kyle Freehart
 kyle.freehart@kimley-horn.com
 Kimley-Horn
 Security Level: Email, Account Authentication (None)

Signature

DocuSigned by:

 D8BEE252A3804C1...
 Signature Adoption: Pre-selected Style
 Using IP Address: 208.127.231.172

Timestamp

Sent: 3/7/2022 10:49:19 AM
 Viewed: 3/7/2022 11:13:44 AM
 Signed: 3/7/2022 11:14:00 AM

Electronic Record and Signature Disclosure:
 Not Offered via DocuSign

In Person Signer Events	Signature	Timestamp
Editor Delivery Events	Status	Timestamp
Agent Delivery Events	Status	Timestamp
Intermediary Delivery Events	Status	Timestamp
Certified Delivery Events	Status	Timestamp
Carbon Copy Events	Status	Timestamp
Witness Events	Signature	Timestamp
Notary Events	Signature	Timestamp
Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	3/7/2022 10:49:19 AM
Certified Delivered	Security Checked	3/7/2022 11:13:44 AM
Signing Complete	Security Checked	3/7/2022 11:14:00 AM
Completed	Security Checked	3/7/2022 11:14:00 AM
Payment Events	Status	Timestamps

Exhibit D

Structural Analysis Report

Date: **September 01, 2021**



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

Subject: **Structural Analysis Report**

Carrier Designation: **DISH Network Co-Locate**
Site Number: BOHVN00170A
Site Name: CT-CCI-T-876392

Crown Castle Designation: **BU Number:** 876392
Site Name: NEW HARTFORD / EXECUTIVE GREET
JDE Job Number: 645200
Work Order Number: 1962924
Order Number: 553387 Rev. 0

Engineering Firm Designation: **Crown Castle Project Number:** 1962924

Site Data: **115 INDUSTRIAL PARK RD, NEW HARTFORD, LITCHFIELD County, CT**
Latitude 41° 53' 10.48", Longitude -72° 57' 58.1"
168 Foot - Monopole Tower

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:

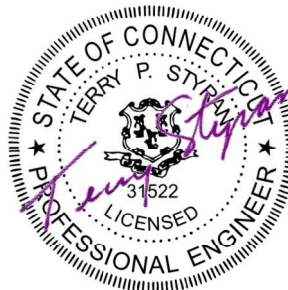
LC7: Proposed Equipment Configuration **Sufficient Capacity-99.1%**

This analysis has been performed in accordance with the 2018 Connecticut State Building Code based upon an ultimate 3-second gust wind speed of 115 mph. Applicable Standard references and design criteria are listed in Section 2 - "Analysis Criteria".

Structural analysis prepared by: Melanie Atilas

Respectfully submitted by:

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



Terry P Styran
2021.09.01
16:37:02 -04'00'

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 168 ft Monopole tower designed by SUMMIT. 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:	115 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	2 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
130.0	130.0	3	fujitsu	TA08025-B604	1	1-1/2
		3	fujitsu	TA08025-B605		
		3	jma wireless	MX08FRO665-21 w/ Mount Pipe		
		1	raycap	RDIDC-9181-PF-48		
		1	tower mounts	Commscope MC-PK8-DSH		

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)
166.0	168.0	3	communication components inc.	DTMA-1819-DD-12	12	1-5/8
		3	rfs celwave	APX16PV-16PVL-E w/ Mount Pipe		
157.0	157.0	3	ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe	3	1-5/8
		3	ericsson	RADIO 4460 B2/B25 B66_TMO		
		3	ericsson	RADIO 4480 B71_TMO		
		3	rfs celwave	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe		
		3	rfs celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
145.0	147.0	1	tower mounts	Platform Mount [LP 1201-1_KCKR-HR-1]	7	1-5/8
		6	antel	LPA-80080/6CF w/ Mount Pipe		
		3	quintel technology	QS6656-5D		
		3	quintel technology	QS6656-5D w/ Mount Pipe		
		1	rfs celwave	DB-C1-12C-24AB-0Z		
		3	samsung telecommunications	RFV01U-D1A		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
	145.0	3	samsung telecommunications	RFV01U-D2A		
		3	vzw	Sub6 Antenna - VZS01 w/ Mount Pipe		
		1	tower mounts	Platform Mount [LP 403-1]		
120.0	120.0	2	andrew	SBNHH-1D65A w/ Mount Pipe	12 2 1 1	1-5/8 7/16 3/8 Conduit
		1	cci antennas	HPA-65R-BUU-H6 w/ Mount Pipe		
		3	ericsson	RRUS 11 B12		
		3	ericsson	RRUS 4415 B25		
		1	kathrein	800 10764 w/ Mount Pipe		
		1	kmw communications	AM-X-CD-14-65-00T-RET w/ Mount Pipe		
		1	kmw communications	AM-X-CD-16-65-00T-RET w/ Mount Pipe		
		3	powerwave technologies	7770.00 w/ Mount Pipe		
		6	powerwave technologies	LGP2140X		
		1	raycap	DC6-48-60-18-8F		
		1	tower mounts	Platform Mount [LP 303-1_HR-1]		
102.0	102.0	3	rfs celwave	APXV18-206517S-C w/ Mount Pipe	6	1-5/8
74.0	75.0	1	lucent	KS24019-L112A	1	1/2
	74.0	1	tower mounts	Side Arm Mount [SO 702-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	1532994	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	1616556	CCISITES
4-TOWER MANUFACTURER DRAWINGS	1441325	CCISITES
4-POST-MODIFICATION INSPECTION	2808249	CCISITES
4-POST-MODIFICATION INSPECTION	3839078	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3027354	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3375541	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3375535	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	2920117	CCISITES

3.1) Analysis Method

tnxTower (version 8.1.1.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has

calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

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

Section No.	Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
L1	168 - 163	Pole	TP14x14x0.25	Pole	2.9%	Pass
L2	163 - 158	Pole	TP14x14x0.25	Pole	7.3%	Pass
L3	158 - 153	Pole	TP22.86x22x0.1875	Pole	8.2%	Pass
L4	153 - 148	Pole	TP23.72x22.86x0.1875	Pole	14.7%	Pass
L5	148 - 143	Pole	TP24.58x23.72x0.1875	Pole	24.7%	Pass
L6	143 - 138	Pole	TP25.44x24.58x0.1875	Pole	35.0%	Pass
L7	138 - 133	Pole	TP26.301x25.44x0.1875	Pole	44.6%	Pass
L8	133 - 128	Pole	TP27.161x26.301x0.1875	Pole	55.1%	Pass
L9	128 - 123	Pole	TP28.021x27.161x0.1875	Pole	66.3%	Pass
L10	123 - 120.25	Pole	TP29.139x28.021x0.1875	Pole	72.1%	Pass
L11	120.25 - 115.25	Pole	TP28.979x28.119x0.25	Pole	58.8%	Pass
L12	115.25 - 110.25	Pole	TP29.839x28.979x0.25	Pole	66.6%	Pass
L13	110.25 - 105.25	Pole	TP30.699x29.839x0.25	Pole	73.8%	Pass
L14	105.25 - 100.25	Pole	TP31.559x30.699x0.25	Pole	80.6%	Pass
L15	100.25 - 95.25	Pole	TP32.42x31.559x0.25	Pole	87.0%	Pass
L16	95.25 - 91.5	Pole	TP33.065x32.42x0.25	Pole	91.5%	Pass
L17	91.5 - 91.25	Pole	TP33.108x33.065x0.25	Pole	91.8%	Pass
L18	91.25 - 86.25	Pole	TP33.968x33.108x0.25	Pole	97.4%	Pass
L19	86.25 - 84.75	Pole	TP35x33.968x0.25	Pole	99.1%	Pass
L20	84.75 - 79.25	Pole	TP34.672x33.726x0.3125	Pole	80.1%	Pass
L21	79.25 - 74.25	Pole	TP35.532x34.672x0.3125	Pole	83.6%	Pass
L22	74.25 - 69.75	Pole	TP36.306x35.532x0.3125	Pole	86.5%	Pass
L23	69.75 - 69.5	Pole + Reinf.	TP36.349x36.306x0.4875	Reinf. 2 Tension Rupture	85.2%	Pass
L24	69.5 - 64.5	Pole + Reinf.	TP37.209x36.349x0.4875	Reinf. 2 Tension Rupture	88.4%	Pass
L25	64.5 - 59.5	Pole + Reinf.	TP38.07x37.209x0.475	Reinf. 2 Tension Rupture	91.3%	Pass
L26	59.5 - 54.5	Pole + Reinf.	TP38.93x38.07x0.475	Reinf. 2 Tension Rupture	94.1%	Pass
L27	54.5 - 53.75	Pole + Reinf.	TP39.059x38.93x0.475	Reinf. 2 Tension Rupture	94.5%	Pass
L28	53.75 - 53.5	Pole + Reinf.	TP39.102x39.059x0.475	Reinf. 3 Tension Rupture	94.6%	Pass
L29	53.5 - 48.5	Pole + Reinf.	TP39.962x39.102x0.475	Reinf. 3 Tension Rupture	97.2%	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
L30	48.5 - 45	Pole + Reinf.	TP41.467x39.962x0.4688	Reinf. 3 Tension Rupture	98.9%	Pass
L31	45 - 38.75	Pole	TP41.014x39.939x0.375	Pole	83.8%	Pass
L32	38.75 - 33.75	Pole	TP41.874x41.014x0.375	Pole	85.5%	Pass
L33	33.75 - 28.75	Pole	TP42.734x41.874x0.375	Pole	87.0%	Pass
L34	28.75 - 27.75	Pole	TP42.906x42.734x0.375	Pole	87.3%	Pass
L35	27.75 - 27.5	Pole + Reinf.	TP42.949x42.906x0.575	Reinf. 5 Tension Rupture	85.9%	Pass
L36	27.5 - 22.5	Pole + Reinf.	TP43.809x42.949x0.575	Reinf. 5 Tension Rupture	87.4%	Pass
L37	22.5 - 17.5	Pole + Reinf.	TP44.67x43.809x0.5625	Reinf. 5 Tension Rupture	88.8%	Pass
L38	17.5 - 12.5	Pole + Reinf.	TP45.53x44.67x0.5625	Reinf. 5 Tension Rupture	90.1%	Pass
L39	12.5 - 8.75	Pole + Reinf.	TP46.175x45.53x0.5625	Reinf. 5 Tension Rupture	91.0%	Pass
L40	8.75 - 8.5	Pole + Reinf.	TP46.218x46.175x0.5625	Reinf. 5 Tension Rupture	91.1%	Pass
L41	8.5 - 8.25	Pole + Reinf.	TP46.261x46.218x0.5625	Reinf. 5 Tension Rupture	91.1%	Pass
L42	8.25 - 8	Pole + Reinf.	TP46.304x46.261x0.5	Reinf. 5 Tension Rupture	92.4%	Pass
L43	8 - 3.25	Pole + Reinf.	TP47.121x46.304x0.5	Reinf. 5 Tension Rupture	93.4%	Pass
L44	3.25 - 3	Pole + Reinf.	TP47.164x47.121x0.4125	Pole	91.9%	Pass
L45	3 - 0	Pole + Reinf.	TP47.68x47.164x0.4125	Pole	92.5%	Pass
					Summary	
				Pole	99.1%	Pass
				Reinforcement	98.9%	Pass
				Overall	99.1%	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	74.4	Pass
1	Base Plate	0	76.9	Pass
1	Base Foundation (Structure)	0	60.0	Pass
1	Base Foundation (Soil Interaction)	0	68.1	Pass
1	Flange Bolts	158	7.3	Pass
1	Flange Plate	158	17.8	Pass

Structure Rating (max from all components) =	99.1%
---	--------------

Notes:

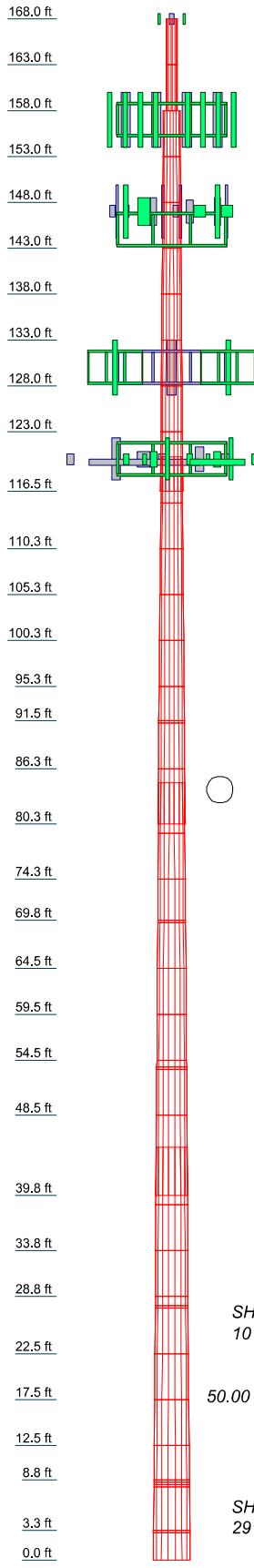
- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.

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								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								



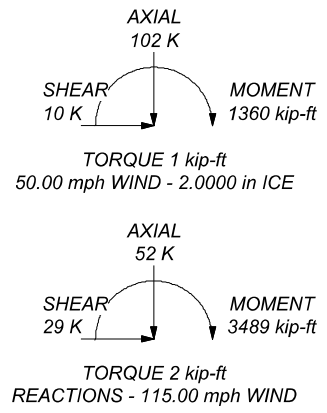
MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Litchfield County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 115.00 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50.00 mph basic wind with 2.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60.00 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.0000 ft
8. TOWER RATING: 99.1%

ALL REACTIONS
ARE FACTORED



Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317
The Pathway to Possible Phone: (724) 416-2000
FAX:

Job: **BU 876392**
Project:
Client: Crown Castle Drawn by: MATiles App'd:
Code: TIA-222-H Date: 09/01/21 Scale: NTS
Path: C:\Users\matiles\Desktop\Working from Home\876392\WO 1999968 - SA\Prod\876392 reinf.dwg
Dwg No. E-1

Tower Input Data

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

- Tower is located in Litchfield County, Connecticut.
- Tower base elevation above sea level: 567.0000 ft.
- Basic wind speed of 115.00 mph.
- Risk Category II.
- Exposure Category C.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.0000 ft.
- Nominal ice thickness of 2.0000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56.00 pcf.
- A wind speed of 50.00 mph is used in combination with ice.
- Temperature drop of 50.00 °F.
- Deflections calculated using a wind speed of 60.00 mph.
- TOWER RATING: 99.1%.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification ✓ Use Code Stress Ratios ✓ 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 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	168.0000- 163.0000	5.0000	0.00	Round	14.0000	14.0000	0.2500		A53-B-35 (35 ksi)
L2	163.0000- 158.0000	5.0000	0.00	Round	14.0000	14.0000	0.2500		A53-B-35 (35 ksi)
L3	158.0000- 153.0000	5.0000	0.00	18	22.0000	22.8601	0.1875	0.7500	A607-65 (65 ksi)
L4	153.0000- 148.0000	5.0000	0.00	18	22.8601	23.7202	0.1875	0.7500	A607-65 (65 ksi)
L5	148.0000- 143.0000	5.0000	0.00	18	23.7202	24.5804	0.1875	0.7500	A607-65 (65 ksi)
L6	143.0000- 138.0000	5.0000	0.00	18	24.5804	25.4405	0.1875	0.7500	A607-65 (65 ksi)
L7	138.0000- 133.0000	5.0000	0.00	18	25.4405	26.3006	0.1875	0.7500	A607-65 (65 ksi)
L8	133.0000- 128.0000	5.0000	0.00	18	26.3006	27.1607	0.1875	0.7500	A607-65 (65 ksi)
L9	128.0000- 123.0000	5.0000	0.00	18	27.1607	28.0208	0.1875	0.7500	A607-65 (65 ksi)
L10	123.0000- 116.5000	6.5000	3.75	18	28.0208	29.1390	0.1875	0.7500	A607-65 (65 ksi)
L11	116.5000- 115.2500	5.0000	0.00	18	28.1189	28.9790	0.2500	1.0000	A607-65 (65 ksi)
L12	115.2500- 110.2500	5.0000	0.00	18	28.9790	29.8392	0.2500	1.0000	A607-65 (65 ksi)
L13	110.2500- 105.2500	5.0000	0.00	18	29.8392	30.6993	0.2500	1.0000	A607-65 (65 ksi)
L14	105.2500- 100.2500	5.0000	0.00	18	30.6993	31.5595	0.2500	1.0000	A607-65 (65 ksi)
L15	100.2500- 95.2500	5.0000	0.00	18	31.5595	32.4196	0.2500	1.0000	A607-65 (65 ksi)
L16	95.2500- 91.5000	3.7500	0.00	18	32.4196	33.0647	0.2500	1.0000	A607-65 (65 ksi)
L17	91.5000- 91.2500	0.2500	0.00	18	33.0647	33.1077	0.2500	1.0000	A607-65 (65 ksi)
L18	91.2500- 86.2500	5.0000	0.00	18	33.1077	33.9678	0.2500	1.0000	A607-65 (65 ksi)
L19	86.2500- 80.2500	6.0000	4.50	18	33.9678	35.0000	0.2500	1.0000	A607-65 (65 ksi)
L20	80.2500- 79.2500	5.5000	0.00	18	33.7259	34.6720	0.3125	1.2500	A607-65 (65 ksi)
L21	79.2500- 74.2500	5.0000	0.00	18	34.6720	35.5321	0.3125	1.2500	A607-65 (65 ksi)
L22	74.2500- 69.7500	4.5000	0.00	18	35.5321	36.3063	0.3125	1.2500	A607-65 (65 ksi)
L23	69.7500- 69.5000	0.2500	0.00	18	36.3063	36.3493	0.4875	1.9500	A607-65 (65 ksi)
L24	69.5000- 64.5000	5.0000	0.00	18	36.3493	37.2094	0.4875	1.9500	A607-65 (65 ksi)
L25	64.5000- 59.5000	5.0000	0.00	18	37.2094	38.0695	0.4750	1.9000	A607-65 (65 ksi)
L26	59.5000- 54.5000	5.0000	0.00	18	38.0695	38.9296	0.4750	1.9000	A607-65 (65 ksi)
L27	54.5000- 53.7500	0.7500	0.00	18	38.9296	39.0587	0.4750	1.9000	A607-65 (65 ksi)
L28	53.7500- 53.5000	0.2500	0.00	18	39.0587	39.1017	0.4750	1.9000	A607-65 (65 ksi)
L29	53.5000- 48.5000	5.0000	0.00	18	39.1017	39.9618	0.4750	1.9000	A607-65 (65 ksi)
L30	48.5000- 39.7500	8.7500	5.25	18	39.9618	41.4670	0.4688	1.8750	A607-65 (65 ksi)
L31	39.7500- 38.7500	6.2500	0.00	18	39.9389	41.0140	0.3750	1.5000	A607-65 (65 ksi)
L32	38.7500- 33.7500	5.0000	0.00	18	41.0140	41.8742	0.3750	1.5000	A607-65 (65 ksi)
L33	33.7500- 28.7500	5.0000	0.00	18	41.8742	42.7343	0.3750	1.5000	A607-65 (65 ksi)
L34	28.7500- 27.7500	1.0000	0.00	18	42.7343	42.9063	0.3750	1.5000	A607-65 (65 ksi)
L35	27.7500-	0.2500	0.00	18	42.9063	42.9493	0.5750	2.3000	A607-65

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L36	27.5000 27.5000- 22.5000	5.0000	0.00	18	42.9493	43.8094	0.5750	2.3000	(65 ksi) A607-65 (65 ksi)
L37	22.5000- 17.5000	5.0000	0.00	18	43.8094	44.6696	0.5625	2.2500	A607-65 (65 ksi)
L38	17.5000- 12.5000	5.0000	0.00	18	44.6696	45.5297	0.5625	2.2500	A607-65 (65 ksi)
L39	12.5000- 8.7500	3.7500	0.00	18	45.5297	46.1748	0.5625	2.2500	A607-65 (65 ksi)
L40	8.7500-8.5000	0.2500	0.00	18	46.1748	46.2178	0.5625	2.2500	A607-65 (65 ksi)
L41	8.5000-8.2500	0.2500	0.00	18	46.2178	46.2608	0.5625	2.2500	A607-65 (65 ksi)
L42	8.2500-8.0000	0.2500	0.00	18	46.2608	46.3038	0.5000	2.0000	A607-65 (65 ksi)
L43	8.0000-3.2500	4.7500	0.00	18	46.3038	47.1209	0.5000	2.0000	A607-65 (65 ksi)
L44	3.2500-3.0000	0.2500	0.00	18	47.1209	47.1639	0.4125	1.6500	A607-65 (65 ksi)
L45	3.0000-0.0000	3.0000		18	47.1639	47.6800	0.4125	1.6500	A607-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	It/Q in ²	w in	w/t
L1	14.0000	10.7992	255.3004	4.8622	7.0000	36.4715	510.6008	5.3964	0.0000	0
L2	14.0000	10.7992	255.3004	4.8622	7.0000	36.4715	510.6008	5.3964	0.0000	0
L3	22.3105 23.1838	12.9812 13.4930	780.3007 876.2959	7.7434 8.0488	11.1760 11.6129	69.8193 75.4586	1561.6281 1753.7448	6.4918 6.7478	3.5420 3.6934	18.891 19.698
L4	23.1838 24.0572	13.4930 14.0049	876.2959 979.8581	8.0488 8.3541	11.6129 12.0499	75.4586 81.3168	1753.7448 1961.0055	6.7478 7.0038	3.6934 3.8448	19.698 20.505
L5	24.0572 24.9306	14.0049 14.5168	979.8581 1091.2741	8.3541 8.6595	12.0499 12.4868	81.3168 87.3941	1961.0055 2183.9842	7.0038 7.2598	3.8448 3.9961	20.505 21.313
L6	24.9306 25.8040	14.5168 15.0287	1091.2741 1210.8313	8.6595 8.9648	12.4868 12.9238	87.3941 93.6903	2183.9842 2423.2559	7.2598 7.5158	3.9961 4.1475	21.313 22.12
L7	25.8040 26.6774	15.0287 15.5406	1210.8313 1338.8165	8.9648 9.2702	12.9238 13.3607	93.6903 100.2055	2423.2559 2679.3946	7.5158 7.7718	4.1475 4.2989	22.12 22.927
L8	26.6774 27.5508	15.5406 16.0524	1338.8165 1475.5169	9.2702 9.5755	13.3607 13.7976	100.2055 106.9397	2679.3946 2952.9752	7.7718 8.0277	4.2989 4.4503	22.927 23.735
L9	27.5508 28.4242	16.0524 16.5643	1475.5169 1621.2193	9.5755 9.8808	13.7976 14.2346	106.9397 113.8930	2952.9752 3244.5718	8.0277 8.2837	4.4503 4.6017	23.735 24.542
L10	28.4242 29.2976	16.5643 17.0762	1621.2193 1767.0237	9.8808 10.1861	14.2346 14.6714	113.8930 121.2055	3244.5718 3530.2559	8.2837 8.5397	4.6017 4.7531	24.542 25.350
L11	29.2976 29.1692	17.0762 22.1140	1767.0237 2169.9230	10.1861 9.8935	14.6714 14.2844	121.2055 151.9085	3530.2559 4342.7013	8.5397 11.0591	4.7531 4.5089	25.350 18.036
L12	29.1692 29.3875	22.1140 22.7965	2169.9230 2377.1030	9.8935 10.1988	14.2844 14.7214	151.9085 161.4731	4342.7013 4757.3338	11.0591 11.4004	4.5089 4.6603	18.036 18.641
L13	29.3875 30.2609	22.7965 23.4790	2377.1030 2597.0676	10.1988 10.5042	14.7214 15.1583	161.4731 171.3297	4757.3338 5197.5525	11.4004 11.7417	4.6603 4.8117	18.641 19.247
L14	30.2609 31.1343	23.4790 24.1615	2597.0676 2830.2000	10.5042 10.8095	15.1583 15.5953	171.3297 181.4783	5197.5525 5664.1241	11.7417 12.0831	4.8117 4.9631	19.247 19.852
L15	31.1343 32.0077	24.1615 24.8441	2830.2000 3076.8825	10.8095 11.1149	15.5953 16.0322	181.4783 191.9189	5664.1241 6157.8135	12.0831 12.4244	4.9631 5.1145	19.852 20.458
L16	32.0077 32.8811	24.8441 25.5266	3076.8825 3337.4979	11.1149 11.4202	16.0322 16.4692	191.9189 202.6515	6157.8135 6679.3873	12.4244 12.7657	5.1145 5.2658	20.458 21.063
L17	32.8811 33.5362	25.5266 26.0385	3337.4979 3542.3333	11.4202 11.6492	16.4692 16.7969	202.6515 210.8925	6679.3873 7089.3276	12.7657 13.0217	5.2658 5.3794	21.063 21.518
L18	33.5362 33.5799	26.0385 26.0726	3542.3333 3556.2793	11.6492 11.6645	16.7969 16.8187	210.8925 211.4478	7089.3276 7117.2380	13.0217 13.0388	5.3794 5.3870	21.518 21.548
L19	33.5799 34.4533	26.0726 26.7551	3556.2793 3842.9388	11.6645 11.9698	16.8187 17.2557	211.4478 222.7060	7117.2380 7690.9341	13.0388 13.3801	5.3870 5.5383	21.548 22.153
L20	34.4533 35.5014	26.7551 27.5741	3842.9388 4206.7704	11.9698 12.3363	17.2557 17.7800	222.7060 236.6013	7690.9341 8419.0762	13.3801 13.7897	5.5383 5.7200	22.153 22.88
L20	35.5014 34.9840	27.5741 33.1419	4206.7704 4674.7190	12.3363 11.8617	17.7800 17.1327	236.6013 272.8529	8419.0762 9355.5890	13.7897 16.5741	5.7200 5.3858	22.88 17.234

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
	35.1587	34.0803	5083.1798	12.1976	17.6134	288.5976	10173.048	17.0434	5.5523	17.767
L21	35.1587	34.0803	5083.1798	12.1976	17.6134	288.5976	10173.048	17.0434	5.5523	17.767
	36.0321	34.9335	5474.5584	12.5030	18.0503	303.2941	10956.320	17.4701	5.7037	18.252
L22	36.0321	34.9335	5474.5584	12.5030	18.0503	303.2941	10956.320	17.4701	5.7037	18.252
	36.8181	35.7013	5843.5364	12.7778	18.4436	316.8332	11694.761	17.8540	5.8399	18.688
L23	36.7911	55.4233	8983.5987	12.7157	18.4436	487.0855	17979.018	27.7169	5.5319	11.347
	36.8348	55.4898	9015.9962	12.7309	18.4654	488.2637	18043.855	27.7502	5.5395	11.363
L24	36.8348	55.4898	9015.9962	12.7309	18.4654	488.2637	18043.855	27.7502	5.5395	11.363
	37.7082	56.8207	9680.4115	13.0363	18.9024	512.1270	19373.560	28.4157	5.6909	11.674
L25	37.7101	55.3826	9441.8312	13.0407	18.9024	499.5052	18896.086	27.6966	5.7129	12.027
	38.5835	56.6794	10120.714	13.3460	19.3393	523.3235	20254.745	28.3451	5.8642	12.346
L26	38.5835	56.6794	10120.714	13.3460	19.3393	523.3235	20254.745	28.3451	5.8642	12.346
	39.4569	57.9761	10831.384	13.6514	19.7763	547.6965	21677.020	28.9936	6.0156	12.664
L27	39.4569	57.9761	10831.384	13.6514	19.7763	547.6965	21677.020	28.9936	6.0156	12.664
	39.5879	58.1706	10940.771	13.6972	19.8418	551.4003	21895.939	29.0908	6.0383	12.712
L28	39.5879	58.1706	10940.771	13.6972	19.8418	551.4003	21895.939	29.0908	6.0383	12.712
	39.6316	58.2355	10977.396	13.7125	19.8636	552.6377	21969.237	29.1233	6.0459	12.728
L29	39.6316	58.2355	10977.396	13.7125	19.8636	552.6377	21969.237	29.1233	6.0459	12.728
	40.5050	59.5322	11727.169	14.0178	20.3006	577.6764	23469.770	29.7718	6.1973	13.047
L30	40.5059	58.7582	11578.361	14.0200	20.3006	570.3462	23171.957	29.3847	6.2083	13.244
	42.0344	60.9977	12953.335	14.5544	21.0652	614.9153	25923.715	30.5047	6.4732	13.809
L31	41.4142	47.0909	9312.6205	14.0452	20.2889	458.9997	18637.494	23.5499	6.3692	16.985
	41.5889	48.3706	10092.657	14.4269	20.8351	484.4059	20198.594	24.1899	6.5585	17.489
L32	41.5889	48.3706	10092.657	14.4269	20.8351	484.4059	20198.594	24.1899	6.5585	17.489
	42.4623	49.3944	10747.149	14.7322	21.2721	505.2235	21508.441	24.7019	6.7099	17.893
L33	42.4623	49.3944	10747.149	14.7322	21.2721	505.2235	21508.441	24.7019	6.7099	17.893
	43.3357	50.4181	11429.342	15.0375	21.7090	526.4792	22873.724	25.2139	6.8612	18.297
L34	43.3357	50.4181	11429.342	15.0375	21.7090	526.4792	22873.724	25.2139	6.8612	18.297
	43.5104	50.6229	11569.156	15.0986	21.7964	530.7829	23153.536	25.3163	6.8915	18.377
L35	43.4795	77.2567	17490.294	15.0276	21.7964	802.4395	35003.603	38.6357	6.5395	11.373
	43.5232	77.3352	17543.656	15.0429	21.8182	804.0818	35110.396	38.6750	6.5471	11.386
L36	43.5232	77.3352	17543.656	15.0429	21.8182	804.0818	35110.396	38.6750	6.5471	11.386
	44.3966	78.9050	18633.806	15.3482	22.2552	837.2790	37292.131	39.4600	6.6985	11.649
L37	44.3985	77.2120	18244.539	15.3527	22.2552	819.7880	36513.085	38.6133	6.7205	11.947
	45.2719	78.7476	19354.913	15.6580	22.6921	852.9348	38735.294	39.3813	6.8718	12.217

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
L38	45.2719	78.7476	19354.913 3	15.6580	22.6921	852.9348	38735.294 3	39.3813	6.8718	12.217
	46.1453	80.2833	20509.450 8	15.9634	23.1291	886.7387	41045.888 5	40.1493	7.0232	12.486
L39	46.1453	80.2833	20509.450 8	15.9634	23.1291	886.7387	41045.888 5	40.1493	7.0232	12.486
	46.8003	81.4350	21404.852 7	16.1924	23.4568	912.5227	42837.870 5	40.7253	7.1368	12.688
L40	46.8003	81.4350	21404.852 7	16.1924	23.4568	912.5227	42837.870 5	40.7253	7.1368	12.688
	46.8440	81.5118	21465.455 2	16.2076	23.4786	914.2548	42959.155 2	40.7636	7.1443	12.701
L41	46.8440	81.5118	21465.455 2	16.2076	23.4786	914.2548	42959.155 2	40.7636	7.1443	12.701
	46.8877	81.5886	21526.173 3	16.2229	23.5005	915.9886	43080.671 4	40.8020	7.1519	12.714
L42	46.8973	72.6224	19212.992 0	16.2451	23.5005	817.5573	38451.265 0	36.3181	7.2619	14.524
	46.9410	72.6906	19267.212 1	16.2603	23.5223	819.1030	38559.776 4	36.3522	7.2695	14.539
L43	46.9410	72.6906	19267.212 1	16.2603	23.5223	819.1030	38559.776 4	36.3522	7.2695	14.539
	47.7707	73.9874	20316.871 8	16.5504	23.9374	848.7492	40660.477 0	37.0007	7.4133	14.827
L44	47.7842	61.1542	16855.971 9	16.5815	23.9374	704.1681	33734.123 4	30.5829	7.5673	18.345
	47.8279	61.2105	16902.575 5	16.5968	23.9593	705.4711	33827.391 8	30.6111	7.5749	18.363
L45	47.8279	61.2105	16902.575 5	16.5968	23.9593	705.4711	33827.391 8	30.6111	7.5749	18.363
	48.3519	61.8862	17468.524 5	16.7800	24.2214	721.2009	34960.034 6	30.9490	7.6657	18.583

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 168.0000-163.0000				1	1	1			
L2 163.0000-158.0000				1	1	1			
L3 158.0000-153.0000				1	1	1			
L4 153.0000-148.0000				1	1	1			
L5 148.0000-143.0000				1	1	1			
L6 143.0000-138.0000				1	1	1			
L7 138.0000-133.0000				1	1	1			
L8 133.0000-128.0000				1	1	1			
L9 128.0000-123.0000				1	1	1			
L10 123.0000-116.5000				1	1	1			
L11 116.5000-115.2500				1	1	1			
L12 115.2500-110.2500				1	1	1			
L13 110.2500-105.2500				1	1	1			
L14				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							
105.2500-100.2500									
L15				1	1	1			
100.2500-95.2500									
L16				1	1	1			
95.2500-91.5000									
L17				1	1	1			
91.5000-91.2500									
L18				1	1	1			
91.2500-86.2500									
L19				1	1	1			
86.2500-80.2500									
L20				1	1	1			
80.2500-79.2500									
L21				1	1	1			
79.2500-74.2500									
L22				1	1	1			
74.2500-69.7500									
L23				1	1	0.968549			
69.7500-69.5000									
L24				1	1	0.960878			
69.5000-64.5000									
L25				1	1	0.978326			
64.5000-59.5000									
L26				1	1	0.971159			
59.5000-54.5000									
L27				1	1	0.970111			
54.5000-53.7500									
L28				1	1	0.969764			
53.7500-53.5000									
L29				1	1	0.96297			
53.5000-48.5000									
L30				1	1	0.971015			
48.5000-39.7500									
L31				1	1	1			
39.7500-38.7500									
L32				1	1	1			
38.7500-33.7500									
L33				1	1	1			
33.7500-28.7500									
L34				1	1	1			
28.7500-27.7500									
L35				1	1	0.97045			
27.7500-27.5000									
L36				1	1	0.964118			
27.5000-22.5000									
L37				1	1	0.979045			
22.5000-17.5000									
L38				1	1	0.97307			
17.5000-12.5000									
L39				1	1	0.968736			
12.5000-8.7500									
L40				1	1	0.968452			
8.7500-8.5000									
L41				1	1	0.968168			
8.5000-8.2500									
L42				1	1	0.975605			
8.2500-8.0000									
L43				1	1	0.971651			
8.0000-3.2500									
L44				1	1	1.10383			
3.2500-3.0000									
L45				1	1	1.1017			
3.0000-0.0000									

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
561(1-5/8)	B	No	Surface Ar (CaAa)	166.0000 - 0.0000	12	6	-0.350 -0.150	1.6250		1.35

LCF158-50JL(1-5/8)	A	No	Surface Ar (CaAa)	102.0000 - 0.0000	6	6	-0.500 -0.300	1.9800		0.52

(Area) CCI-65FP-065125 (H)	C	No	Surface Af (CaAa)	30.5000 - 0.0000	1	1	0.000 0.000	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	B	No	Surface Af (CaAa)	30.5000 - 0.0000	1	1	0.000 0.000	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	A	No	Surface Af (CaAa)	30.5000 - 0.0000	1	1	0.000 0.000	6.5000	15.5000	0.00
(Area) CCI-65FP-060100 (H)	C	No	Surface Af (CaAa)	55.7500 - 25.7500	1	1	-0.170 -0.170	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	B	No	Surface Af (CaAa)	55.7500 - 25.7500	1	1	-0.170 -0.170	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	A	No	Surface Af (CaAa)	55.7500 - 25.7500	1	1	-0.170 -0.170	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	C	No	Surface Af (CaAa)	71.7500 - 51.7500	1	1	0.000 0.000	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	B	No	Surface Af (CaAa)	71.7500 - 51.7500	1	1	0.000 0.000	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	A	No	Surface Af (CaAa)	71.7500 - 51.7500	1	1	0.000 0.000	6.0000	14.0000	0.00
(Area) CCI-65FP-045100 (H)	C	No	Surface Af (CaAa)	93.0000 - 83.0000	1	1	0.000 0.000	4.5000	11.0000	0.00
(Area) CCI-65FP-045100 (H)	B	No	Surface Af (CaAa)	93.0000 - 83.0000	1	1	0.000 0.000	4.5000	11.0000	0.00
(Area) CCI-65FP-045100 (H)	A	No	Surface Af (CaAa)	93.0000 - 83.0000	1	1	0.000 0.000	4.5000	11.0000	0.00

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	CAAA	Weight plf	
							ft ² /ft		

HB158-21U6S24-xxM_TMO(1-5/8)	C	No	No	Inside Pole	157.0000 - 0.0000	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	2.50 2.50 2.50 2.50

LDF7-50A(1-5/8")	C	No	No	Inside Pole	145.0000 - 0.0000	7	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.82 0.82 0.82 0.82

LDF7-50A(1-5/8")	C	No	No	Inside Pole	120.0000 - 0.0000	12	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.82 0.82 0.82 0.82
FB-L98B-002-75000(3/8)	C	No	No	Inside Pole	120.0000 - 0.0000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.06 0.06 0.06 0.06
WR-VG122ST-BRDA(7/16)	C	No	No	Inside Pole	120.0000 - 0.0000	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.14 0.14 0.14 0.14

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _{AA} ft ² /ft	Weight plf
2" Flexible Conduit	C	No	No	Inside Pole	120.0000 - 0.0000	1	No Ice	0.0000	0.34
							1/2" Ice	0.0000	0.34
							1" Ice	0.0000	0.34
							2" Ice	0.0000	0.34

LDF4-50A(1/2")	A	No	No	Inside Pole	74.0000 - 0.0000	1	No Ice	0.0000	0.15
							1/2" Ice	0.0000	0.15
							1" Ice	0.0000	0.15
							2" Ice	0.0000	0.15
**									
CU12PSM9P6XXX (1-1/2)	C	No	No	Inside Pole	130.0000 - 0.0000	1	No Ice	0.0000	2.35
							1/2" Ice	0.0000	2.35
							1" Ice	0.0000	2.35
							2" Ice	0.0000	2.35

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	168.0000-163.0000	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	2.925	0.000	0.05
		C	0.000	0.000	0.000	0.000	0.00
L2	163.0000-158.0000	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	4.875	0.000	0.08
		C	0.000	0.000	0.000	0.000	0.00
L3	158.0000-153.0000	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	4.875	0.000	0.08
		C	0.000	0.000	0.000	0.000	0.03
L4	153.0000-148.0000	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	4.875	0.000	0.08
		C	0.000	0.000	0.000	0.000	0.04
L5	148.0000-143.0000	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	4.875	0.000	0.08
		C	0.000	0.000	0.000	0.000	0.05
L6	143.0000-138.0000	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	4.875	0.000	0.08
		C	0.000	0.000	0.000	0.000	0.07
L7	138.0000-133.0000	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	4.875	0.000	0.08
		C	0.000	0.000	0.000	0.000	0.07
L8	133.0000-128.0000	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	4.875	0.000	0.08
		C	0.000	0.000	0.000	0.000	0.07
L9	128.0000-123.0000	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	4.875	0.000	0.08
		C	0.000	0.000	0.000	0.000	0.08
L10	123.0000-116.5000	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	6.338	0.000	0.11
		C	0.000	0.000	0.000	0.000	0.14
L11	116.5000-115.2500	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	1.219	0.000	0.02
		C	0.000	0.000	0.000	0.000	0.03
L12	115.2500-110.2500	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	4.875	0.000	0.08
		C	0.000	0.000	0.000	0.000	0.13
L13	110.2500-105.2500	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	4.875	0.000	0.08
		C	0.000	0.000	0.000	0.000	0.13
L14	105.2500-100.2500	A	0.000	0.000	2.079	0.000	0.01
		B	0.000	0.000	4.875	0.000	0.08

Tower Sectio n	Tower Elevation ft	Face	A_R	A_F	C_{AA} In Face	C_{AA} Out Face	Weight K
			ft ²	ft ²	ft ²	ft ²	
L15	100.2500- 95.2500	C	0.000	0.000	0.000	0.000	0.13
		A	0.000	0.000	5.940	0.000	0.02
		B	0.000	0.000	4.875	0.000	0.08
L16	95.2500-91.5000	C	0.000	0.000	0.000	0.000	0.13
		A	0.000	0.000	5.580	0.000	0.01
		B	0.000	0.000	4.781	0.000	0.06
L17	91.5000-91.2500	C	0.000	0.000	1.125	0.000	0.10
		A	0.000	0.000	0.484	0.000	0.00
		B	0.000	0.000	0.431	0.000	0.00
L18	91.2500-86.2500	C	0.000	0.000	0.188	0.000	0.01
		A	0.000	0.000	9.690	0.000	0.02
		B	0.000	0.000	8.625	0.000	0.08
L19	86.2500-80.2500	C	0.000	0.000	3.750	0.000	0.13
		A	0.000	0.000	9.566	0.000	0.02
		B	0.000	0.000	8.287	0.000	0.10
L20	80.2500-79.2500	C	0.000	0.000	2.438	0.000	0.16
		A	0.000	0.000	1.188	0.000	0.00
		B	0.000	0.000	0.975	0.000	0.02
L21	79.2500-74.2500	C	0.000	0.000	0.000	0.000	0.03
		A	0.000	0.000	5.940	0.000	0.02
		B	0.000	0.000	4.875	0.000	0.08
L22	74.2500-69.7500	C	0.000	0.000	0.000	0.000	0.13
		A	0.000	0.000	7.346	0.000	0.01
		B	0.000	0.000	6.388	0.000	0.07
L23	69.7500-69.5000	C	0.000	0.000	2.000	0.000	0.12
		A	0.000	0.000	0.547	0.000	0.00
		B	0.000	0.000	0.494	0.000	0.00
L24	69.5000-64.5000	C	0.000	0.000	0.250	0.000	0.01
		A	0.000	0.000	10.940	0.000	0.02
		B	0.000	0.000	9.875	0.000	0.08
L25	64.5000-59.5000	C	0.000	0.000	5.000	0.000	0.13
		A	0.000	0.000	10.940	0.000	0.02
		B	0.000	0.000	9.875	0.000	0.08
L26	59.5000-54.5000	C	0.000	0.000	5.000	0.000	0.13
		A	0.000	0.000	12.190	0.000	0.02
		B	0.000	0.000	11.125	0.000	0.08
L27	54.5000-53.7500	C	0.000	0.000	6.250	0.000	0.13
		A	0.000	0.000	2.391	0.000	0.00
		B	0.000	0.000	2.231	0.000	0.01
L28	53.7500-53.5000	C	0.000	0.000	1.500	0.000	0.02
		A	0.000	0.000	0.797	0.000	0.00
		B	0.000	0.000	0.744	0.000	0.00
L29	53.5000-48.5000	C	0.000	0.000	0.500	0.000	0.01
		A	0.000	0.000	12.690	0.000	0.02
		B	0.000	0.000	11.625	0.000	0.08
L30	48.5000-39.7500	C	0.000	0.000	6.750	0.000	0.13
		A	0.000	0.000	19.145	0.000	0.03
		B	0.000	0.000	17.281	0.000	0.14
L31	39.7500-38.7500	C	0.000	0.000	8.750	0.000	0.23
		A	0.000	0.000	2.188	0.000	0.00
		B	0.000	0.000	1.975	0.000	0.02
L32	38.7500-33.7500	C	0.000	0.000	1.000	0.000	0.03
		A	0.000	0.000	10.940	0.000	0.02
		B	0.000	0.000	9.875	0.000	0.08
L33	33.7500-28.7500	C	0.000	0.000	5.000	0.000	0.13
		A	0.000	0.000	12.836	0.000	0.02
		B	0.000	0.000	11.771	0.000	0.08
L34	28.7500-27.7500	C	0.000	0.000	6.896	0.000	0.13
		A	0.000	0.000	3.271	0.000	0.00
		B	0.000	0.000	3.058	0.000	0.02
L35	27.7500-27.5000	C	0.000	0.000	2.083	0.000	0.03
		A	0.000	0.000	0.818	0.000	0.00
		B	0.000	0.000	0.765	0.000	0.00
L36	27.5000-22.5000	C	0.000	0.000	0.521	0.000	0.01
		A	0.000	0.000	13.107	0.000	0.02
		B	0.000	0.000	12.042	0.000	0.08
L37	22.5000-17.5000	C	0.000	0.000	7.167	0.000	0.13
		A	0.000	0.000	11.357	0.000	0.02
		B	0.000	0.000	10.292	0.000	0.08

Tower Section	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	
L38	17.5000-12.5000	C	0.000	0.000	5.417	0.000	0.13
		A	0.000	0.000	11.357	0.000	0.02
		B	0.000	0.000	10.292	0.000	0.08
L39	12.5000-8.7500	C	0.000	0.000	5.417	0.000	0.13
		A	0.000	0.000	8.518	0.000	0.01
		B	0.000	0.000	7.719	0.000	0.06
L40	8.7500-8.5000	C	0.000	0.000	4.063	0.000	0.10
		A	0.000	0.000	0.568	0.000	0.00
		B	0.000	0.000	0.515	0.000	0.00
L41	8.5000-8.2500	C	0.000	0.000	0.271	0.000	0.01
		A	0.000	0.000	0.568	0.000	0.00
		B	0.000	0.000	0.515	0.000	0.00
L42	8.2500-8.0000	C	0.000	0.000	0.271	0.000	0.01
		A	0.000	0.000	0.568	0.000	0.00
		B	0.000	0.000	0.515	0.000	0.00
L43	8.0000-3.2500	C	0.000	0.000	0.271	0.000	0.01
		A	0.000	0.000	10.789	0.000	0.02
		B	0.000	0.000	9.777	0.000	0.08
L44	3.2500-3.0000	C	0.000	0.000	5.146	0.000	0.12
		A	0.000	0.000	0.568	0.000	0.00
		B	0.000	0.000	0.515	0.000	0.00
L45	3.0000-0.0000	C	0.000	0.000	0.271	0.000	0.01
		A	0.000	0.000	6.814	0.000	0.01
		B	0.000	0.000	6.175	0.000	0.05
		C	0.000	0.000	3.250	0.000	0.08

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	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	168.0000- 163.0000	A	1.997	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	5.154	0.000	0.13
		C		0.000	0.000	0.000	0.000	0.00
L2	163.0000- 158.0000	A	1.991	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	8.583	0.000	0.21
		C		0.000	0.000	0.000	0.000	0.00
L3	158.0000- 153.0000	A	1.985	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	8.575	0.000	0.21
		C		0.000	0.000	0.000	0.000	0.03
L4	153.0000- 148.0000	A	1.979	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	8.567	0.000	0.21
		C		0.000	0.000	0.000	0.000	0.04
L5	148.0000- 143.0000	A	1.972	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	8.559	0.000	0.21
		C		0.000	0.000	0.000	0.000	0.05
L6	143.0000- 138.0000	A	1.965	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	8.550	0.000	0.21
		C		0.000	0.000	0.000	0.000	0.07
L7	138.0000- 133.0000	A	1.958	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	8.541	0.000	0.21
		C		0.000	0.000	0.000	0.000	0.07
L8	133.0000- 128.0000	A	1.951	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	8.532	0.000	0.21
		C		0.000	0.000	0.000	0.000	0.07
L9	128.0000- 123.0000	A	1.943	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	8.522	0.000	0.21
		C		0.000	0.000	0.000	0.000	0.08
L10	123.0000- 116.5000	A	1.934	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	11.064	0.000	0.27
		C		0.000	0.000	0.000	0.000	0.14
L11	116.5000- 115.2500	A	1.928	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	2.128	0.000	0.05
		C		0.000	0.000	0.000	0.000	0.03
L12	115.2500- 110.2500	A	1.922	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	8.497	0.000	0.21

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
		C		0.000	0.000	0.000	0.000	0.13
L13	110.2500-105.2500	A	1.914	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	8.486	0.000	0.21
		C		0.000	0.000	0.000	0.000	0.13
L14	105.2500-100.2500	A	1.904	0.000	0.000	3.432	0.000	0.05
		B		0.000	0.000	8.474	0.000	0.21
		C		0.000	0.000	0.000	0.000	0.13
L15	100.2500-95.2500	A	1.895	0.000	0.000	9.794	0.000	0.14
		B		0.000	0.000	8.462	0.000	0.21
		C		0.000	0.000	0.000	0.000	0.13
L16	95.2500-91.5000	A	1.886	0.000	0.000	8.774	0.000	0.13
		B		0.000	0.000	7.776	0.000	0.17
		C		0.000	0.000	1.437	0.000	0.12
L17	91.5000-91.2500	A	1.882	0.000	0.000	0.728	0.000	0.01
		B		0.000	0.000	0.662	0.000	0.01
		C		0.000	0.000	0.239	0.000	0.01
L18	91.2500-86.2500	A	1.877	0.000	0.000	14.557	0.000	0.21
		B		0.000	0.000	13.226	0.000	0.27
		C		0.000	0.000	4.786	0.000	0.20
L19	86.2500-80.2500	A	1.865	0.000	0.000	14.814	0.000	0.21
		B		0.000	0.000	13.217	0.000	0.29
		C		0.000	0.000	3.107	0.000	0.20
L20	80.2500-79.2500	A	1.857	0.000	0.000	1.951	0.000	0.03
		B		0.000	0.000	1.685	0.000	0.04
		C		0.000	0.000	0.000	0.000	0.03
L21	79.2500-74.2500	A	1.850	0.000	0.000	9.737	0.000	0.14
		B		0.000	0.000	8.406	0.000	0.20
		C		0.000	0.000	0.000	0.000	0.13
L22	74.2500-69.7500	A	1.838	0.000	0.000	11.485	0.000	0.15
		B		0.000	0.000	10.287	0.000	0.21
		C		0.000	0.000	2.735	0.000	0.15
L23	69.7500-69.5000	A	1.832	0.000	0.000	0.827	0.000	0.01
		B		0.000	0.000	0.761	0.000	0.01
		C		0.000	0.000	0.342	0.000	0.01
L24	69.5000-64.5000	A	1.825	0.000	0.000	16.531	0.000	0.21
		B		0.000	0.000	15.199	0.000	0.27
		C		0.000	0.000	6.825	0.000	0.20
L25	64.5000-59.5000	A	1.811	0.000	0.000	16.499	0.000	0.21
		B		0.000	0.000	15.168	0.000	0.27
		C		0.000	0.000	6.811	0.000	0.20
L26	59.5000-54.5000	A	1.795	0.000	0.000	18.164	0.000	0.23
		B		0.000	0.000	16.832	0.000	0.29
		C		0.000	0.000	8.494	0.000	0.22
L27	54.5000-53.7500	A	1.786	0.000	0.000	3.485	0.000	0.04
		B		0.000	0.000	3.285	0.000	0.05
		C		0.000	0.000	2.036	0.000	0.04
L28	53.7500-53.5000	A	1.785	0.000	0.000	1.161	0.000	0.01
		B		0.000	0.000	1.095	0.000	0.02
		C		0.000	0.000	0.678	0.000	0.01
L29	53.5000-48.5000	A	1.776	0.000	0.000	18.792	0.000	0.23
		B		0.000	0.000	17.460	0.000	0.29
		C		0.000	0.000	9.147	0.000	0.23
L30	48.5000-39.7500	A	1.750	0.000	0.000	28.634	0.000	0.35
		B		0.000	0.000	26.305	0.000	0.47
		C		0.000	0.000	11.813	0.000	0.35
L31	39.7500-38.7500	A	1.730	0.000	0.000	3.273	0.000	0.04
		B		0.000	0.000	3.006	0.000	0.05
		C		0.000	0.000	1.350	0.000	0.04
L32	38.7500-33.7500	A	1.716	0.000	0.000	16.286	0.000	0.20
		B		0.000	0.000	14.955	0.000	0.26
		C		0.000	0.000	6.716	0.000	0.20
L33	33.7500-28.7500	A	1.691	0.000	0.000	18.717	0.000	0.22
		B		0.000	0.000	17.385	0.000	0.28
		C		0.000	0.000	9.178	0.000	0.22
L34	28.7500-27.7500	A	1.674	0.000	0.000	4.656	0.000	0.05
		B		0.000	0.000	4.390	0.000	0.07
		C		0.000	0.000	2.753	0.000	0.05
L35	27.7500-27.5000	A	1.670	0.000	0.000	1.163	0.000	0.01
		B		0.000	0.000	1.097	0.000	0.02

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L36	27.5000-22.5000	C		0.000	0.000	0.688	0.000	0.01
		A	1.653	0.000	0.000	18.890	0.000	0.22
		B		0.000	0.000	17.559	0.000	0.28
L37	22.5000-17.5000	C		0.000	0.000	9.399	0.000	0.22
		A	1.617	0.000	0.000	16.480	0.000	0.19
		B		0.000	0.000	15.148	0.000	0.25
		C		0.000	0.000	7.034	0.000	0.20
L38	17.5000-12.5000	A	1.571	0.000	0.000	16.376	0.000	0.18
		B		0.000	0.000	15.045	0.000	0.25
		C		0.000	0.000	6.988	0.000	0.20
L39	12.5000-8.7500	A	1.518	0.000	0.000	12.193	0.000	0.13
		B		0.000	0.000	11.194	0.000	0.18
		C		0.000	0.000	5.201	0.000	0.14
L40	8.7500-8.5000	A	1.487	0.000	0.000	0.809	0.000	0.01
		B		0.000	0.000	0.743	0.000	0.01
		C		0.000	0.000	0.345	0.000	0.01
L41	8.5000-8.2500	A	1.482	0.000	0.000	0.809	0.000	0.01
		B		0.000	0.000	0.742	0.000	0.01
		C		0.000	0.000	0.345	0.000	0.01
L42	8.2500-8.0000	A	1.478	0.000	0.000	0.808	0.000	0.01
		B		0.000	0.000	0.742	0.000	0.01
		C		0.000	0.000	0.345	0.000	0.01
L43	8.0000-3.2500	A	1.424	0.000	0.000	15.244	0.000	0.16
		B		0.000	0.000	13.979	0.000	0.22
		C		0.000	0.000	6.499	0.000	0.18
L44	3.2500-3.0000	A	1.343	0.000	0.000	0.793	0.000	0.01
		B		0.000	0.000	0.727	0.000	0.01
		C		0.000	0.000	0.338	0.000	0.01
L45	3.0000-0.0000	A	1.248	0.000	0.000	9.389	0.000	0.09
		B		0.000	0.000	8.591	0.000	0.13
		C		0.000	0.000	3.999	0.000	0.11

Feed Line Center of Pressure

Section	Elevation ft	CP _x in	CP _z in	CP _x Ice in	CP _z Ice in
L1	168.0000-163.0000	1.9633	-3.4005	1.3671	-2.3679
L2	163.0000-158.0000	2.5103	-4.3479	1.7560	-3.0414
L3	158.0000-153.0000	2.6537	-4.5963	2.1648	-3.7495
L4	153.0000-148.0000	2.6822	-4.6457	2.1994	-3.8094
L5	148.0000-143.0000	2.7094	-4.6928	2.2327	-3.8672
L6	143.0000-138.0000	2.7355	-4.7380	2.2649	-3.9230
L7	138.0000-133.0000	2.7605	-4.7813	2.2960	-3.9767
L8	133.0000-128.0000	2.7845	-4.8229	2.3260	-4.0287
L9	128.0000-123.0000	2.8076	-4.8628	2.3549	-4.0788
L10	123.0000-116.5000	2.8330	-4.9068	2.3869	-4.1343
L11	116.5000-115.2500	2.8408	-4.9205	2.3972	-4.1521
L12	115.2500-110.2500	2.8540	-4.9433	2.4130	-4.1795
L13	110.2500-105.2500	2.8744	-4.9786	2.4389	-4.2243
L14	105.2500-100.2500	0.5370	-3.7355	0.5355	-3.1656

Section	Elevation	CP _x	CP _z	CP _x Ice	CP _z Ice
	ft	in	in	in	in
L15	100.2500-95.2500	-2.5626	-2.0892	-1.9290	-1.7924
L16	95.2500-91.5000	-2.1330	-1.7355	-1.7289	-1.6026
L17	91.5000-91.2500	-1.6970	-1.3795	-1.4828	-1.3730
L18	91.2500-86.2500	-1.7120	-1.3902	-1.4967	-1.3839
L19	86.2500-80.2500	-2.0695	-1.6767	-1.7177	-1.5836
L20	80.2500-79.2500	-2.6614	-2.1557	-2.0219	-1.8636
L21	79.2500-74.2500	-2.6801	-2.1683	-2.0396	-1.8762
L22	74.2500-69.7500	-2.0768	-1.6771	-1.7191	-1.5775
L23	69.7500-69.5000	-1.6203	-1.3074	-1.4318	-1.3123
L24	69.5000-64.5000	-1.6337	-1.3169	-1.4444	-1.3221
L25	64.5000-59.5000	-1.6590	-1.3350	-1.4681	-1.3405
L26	59.5000-54.5000	-1.5316	-1.2304	-1.3853	-1.2617
L27	54.5000-53.7500	-1.2161	-0.9760	-1.1526	-1.0483
L28	53.7500-53.5000	-1.2181	-0.9775	-1.1546	-1.0498
L29	53.5000-48.5000	-1.5055	-1.2071	-1.3730	-1.2469
L30	48.5000-39.7500	-1.7466	-1.3976	-1.5506	-1.4033
L31	39.7500-38.7500	-1.7524	-1.4016	-1.5564	-1.4080
L32	38.7500-33.7500	-1.7666	-1.4118	-1.5701	-1.4166
L33	33.7500-28.7500	-1.5615	-1.2462	-1.4338	-1.2901
L34	28.7500-27.7500	-1.2736	-1.0156	-1.2213	-1.0969
L35	27.7500-27.5000	-1.2762	-1.0175	-1.2238	-1.0988
L36	27.5000-22.5000	-1.5605	-1.2433	-1.4447	-1.2950
L37	22.5000-17.5000	-1.7855	-1.4208	-1.6128	-1.4409
L38	17.5000-12.5000	-1.8077	-1.4366	-1.6344	-1.4547
L39	12.5000-8.7500	-1.8268	-1.4503	-1.6533	-1.4656
L40	8.7500-8.5000	-1.8355	-1.4565	-1.6621	-1.4701
L41	8.5000-8.2500	-1.8366	-1.4573	-1.6632	-1.4706
L42	8.2500-8.0000	-1.8375	-1.4579	-1.6642	-1.4710
L43	8.0000-3.2500	-1.8483	-1.4656	-1.6754	-1.4754
L44	3.2500-3.0000	-1.8588	-1.4731	-1.6870	-1.4777
L45	3.0000-0.0000	-1.8657	-1.4781	-1.6957	-1.4763

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	1	561(1-5/8)	163.00 - 166.00	1.0000	1.0000
L2	1	561(1-5/8)	158.00 - 163.00	1.0000	1.0000
L3	1	561(1-5/8)	153.00 - 158.00	1.0000	1.0000
L4	1	561(1-5/8)	148.00 - 153.00	1.0000	1.0000
L5	1	561(1-5/8)	143.00 - 148.00	1.0000	1.0000
L6	1	561(1-5/8)	138.00 - 143.00	1.0000	1.0000
L7	1	561(1-5/8)	133.00 - 138.00	1.0000	1.0000
L8	1	561(1-5/8)	128.00 - 133.00	1.0000	1.0000
L9	1	561(1-5/8)	123.00 - 128.00	1.0000	1.0000
L10	1	561(1-5/8)	116.50 - 123.00	1.0000	1.0000
L11	1	561(1-5/8)	115.25 - 116.50	1.0000	1.0000
L12	1	561(1-5/8)	110.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
			115.25		
L13	1	561(1-5/8)	105.25 - 110.25	1.0000	1.0000
L14	1	561(1-5/8)	100.25 - 105.25	1.0000	1.0000
L14	14	LCF158-50JL(1-5/8)	100.25 - 102.00	1.0000	1.0000
L15	1	561(1-5/8)	95.25 - 100.25	1.0000	1.0000
L15	14	LCF158-50JL(1-5/8)	95.25 - 100.25	1.0000	1.0000
L16	1	561(1-5/8)	91.50 - 95.25	1.0000	1.0000
L16	14	LCF158-50JL(1-5/8)	91.50 - 95.25	1.0000	1.0000
L16	27	(Area) CCI-65FP-045100 (H)	91.50 - 93.00	1.0000	1.0000
L16	28	(Area) CCI-65FP-045100 (H)	91.50 - 93.00	1.0000	1.0000
L16	29	(Area) CCI-65FP-045100 (H)	91.50 - 93.00	1.0000	1.0000
L17	1	561(1-5/8)	91.25 - 91.50	1.0000	1.0000
L17	14	LCF158-50JL(1-5/8)	91.25 - 91.50	1.0000	1.0000
L17	27	(Area) CCI-65FP-045100 (H)	91.25 - 91.50	1.0000	1.0000
L17	28	(Area) CCI-65FP-045100 (H)	91.25 - 91.50	1.0000	1.0000
L17	29	(Area) CCI-65FP-045100 (H)	91.25 - 91.50	1.0000	1.0000
L18	1	561(1-5/8)	86.25 - 91.25	1.0000	1.0000
L18	14	LCF158-50JL(1-5/8)	86.25 - 91.25	1.0000	1.0000
L18	27	(Area) CCI-65FP-045100 (H)	86.25 - 91.25	1.0000	1.0000
L18	28	(Area) CCI-65FP-045100 (H)	86.25 - 91.25	1.0000	1.0000
L18	29	(Area) CCI-65FP-045100 (H)	86.25 - 91.25	1.0000	1.0000
L19	1	561(1-5/8)	80.25 - 86.25	1.0000	1.0000
L19	14	LCF158-50JL(1-5/8)	80.25 - 86.25	1.0000	1.0000
L19	27	(Area) CCI-65FP-045100 (H)	83.00 - 86.25	1.0000	1.0000
L19	28	(Area) CCI-65FP-045100 (H)	83.00 - 86.25	1.0000	1.0000
L19	29	(Area) CCI-65FP-045100 (H)	83.00 - 86.25	1.0000	1.0000
L20	1	561(1-5/8)	79.25 - 80.25	1.0000	1.0000
L20	14	LCF158-50JL(1-5/8)	79.25 - 80.25	1.0000	1.0000
L21	1	561(1-5/8)	74.25 - 79.25	1.0000	1.0000
L21	14	LCF158-50JL(1-5/8)	74.25 - 79.25	1.0000	1.0000
L22	1	561(1-5/8)	69.75 - 74.25	1.0000	1.0000
L22	14	LCF158-50JL(1-5/8)	69.75 - 74.25	1.0000	1.0000
L22	24	(Area) CCI-65FP-060100 (H)	69.75 - 71.75	1.0000	1.0000
L22	25	(Area) CCI-65FP-060100 (H)	69.75 - 71.75	1.0000	1.0000
L22	26	(Area) CCI-65FP-060100 (H)	69.75 - 71.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L23	1	561(1-5/8)	69.50 - 69.75	1.0000	1.0000
L23	14	LCF158-50JL(1-5/8)	69.50 - 69.75	1.0000	1.0000
L23	24	(Area) CCI-65FP-060100 (H)	69.50 - 69.75	1.0000	1.0000
L23	25	(Area) CCI-65FP-060100 (H)	69.50 - 69.75	1.0000	1.0000
L23	26	(Area) CCI-65FP-060100 (H)	69.50 - 69.75	1.0000	1.0000
L24	1	561(1-5/8)	64.50 - 69.50	1.0000	1.0000
L24	14	LCF158-50JL(1-5/8)	64.50 - 69.50	1.0000	1.0000
L24	24	(Area) CCI-65FP-060100 (H)	64.50 - 69.50	1.0000	1.0000
L24	25	(Area) CCI-65FP-060100 (H)	64.50 - 69.50	1.0000	1.0000
L24	26	(Area) CCI-65FP-060100 (H)	64.50 - 69.50	1.0000	1.0000
L25	1	561(1-5/8)	59.50 - 64.50	1.0000	1.0000
L25	14	LCF158-50JL(1-5/8)	59.50 - 64.50	1.0000	1.0000
L25	24	(Area) CCI-65FP-060100 (H)	59.50 - 64.50	1.0000	1.0000
L25	25	(Area) CCI-65FP-060100 (H)	59.50 - 64.50	1.0000	1.0000
L25	26	(Area) CCI-65FP-060100 (H)	59.50 - 64.50	1.0000	1.0000
L26	1	561(1-5/8)	54.50 - 59.50	1.0000	1.0000
L26	14	LCF158-50JL(1-5/8)	54.50 - 59.50	1.0000	1.0000
L26	21	(Area) CCI-65FP-060100 (H)	54.50 - 55.75	1.0000	1.0000
L26	22	(Area) CCI-65FP-060100 (H)	54.50 - 55.75	1.0000	1.0000
L26	23	(Area) CCI-65FP-060100 (H)	54.50 - 55.75	1.0000	1.0000
L26	24	(Area) CCI-65FP-060100 (H)	54.50 - 59.50	1.0000	1.0000
L26	25	(Area) CCI-65FP-060100 (H)	54.50 - 59.50	1.0000	1.0000
L26	26	(Area) CCI-65FP-060100 (H)	54.50 - 59.50	1.0000	1.0000
L27	1	561(1-5/8)	53.75 - 54.50	1.0000	1.0000
L27	14	LCF158-50JL(1-5/8)	53.75 - 54.50	1.0000	1.0000
L27	21	(Area) CCI-65FP-060100 (H)	53.75 - 54.50	1.0000	1.0000
L27	22	(Area) CCI-65FP-060100 (H)	53.75 - 54.50	1.0000	1.0000
L27	23	(Area) CCI-65FP-060100 (H)	53.75 - 54.50	1.0000	1.0000
L27	24	(Area) CCI-65FP-060100 (H)	53.75 - 54.50	1.0000	1.0000
L27	25	(Area) CCI-65FP-060100 (H)	53.75 - 54.50	1.0000	1.0000
L27	26	(Area) CCI-65FP-060100 (H)	53.75 - 54.50	1.0000	1.0000
L28	1	561(1-5/8)	53.50 - 53.75	1.0000	1.0000
L28	14	LCF158-50JL(1-5/8)	53.50 - 53.75	1.0000	1.0000
L28	21	(Area) CCI-65FP-060100 (H)	53.50 - 53.75	1.0000	1.0000
L28	22	(Area) CCI-65FP-060100	53.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L28	23	(Area) CCI-65FP-060100 (H)	53.75 53.50 -	1.0000	1.0000
L28	24	(Area) CCI-65FP-060100 (H)	53.75 53.50 -	1.0000	1.0000
L28	25	(Area) CCI-65FP-060100 (H)	53.75 53.50 -	1.0000	1.0000
L28	26	(Area) CCI-65FP-060100 (H)	53.75 53.50 -	1.0000	1.0000
L29	1	561(1-5/8) (H)	48.50 - 53.50	1.0000	1.0000
L29	14	LCF158-50JL(1-5/8) (H)	48.50 - 53.50	1.0000	1.0000
L29	21	(Area) CCI-65FP-060100 (H)	48.50 - 53.50	1.0000	1.0000
L29	22	(Area) CCI-65FP-060100 (H)	48.50 - 53.50	1.0000	1.0000
L29	23	(Area) CCI-65FP-060100 (H)	48.50 - 53.50	1.0000	1.0000
L29	24	(Area) CCI-65FP-060100 (H)	51.75 - 53.50	1.0000	1.0000
L29	25	(Area) CCI-65FP-060100 (H)	51.75 - 53.50	1.0000	1.0000
L29	26	(Area) CCI-65FP-060100 (H)	51.75 - 53.50	1.0000	1.0000
L30	1	561(1-5/8) (H)	39.75 - 48.50	1.0000	1.0000
L30	14	LCF158-50JL(1-5/8) (H)	39.75 - 48.50	1.0000	1.0000
L30	21	(Area) CCI-65FP-060100 (H)	39.75 - 48.50	1.0000	1.0000
L30	22	(Area) CCI-65FP-060100 (H)	39.75 - 48.50	1.0000	1.0000
L30	23	(Area) CCI-65FP-060100 (H)	39.75 - 48.50	1.0000	1.0000
L31	1	561(1-5/8) (H)	38.75 - 39.75	1.0000	1.0000
L31	14	LCF158-50JL(1-5/8) (H)	38.75 - 39.75	1.0000	1.0000
L31	21	(Area) CCI-65FP-060100 (H)	38.75 - 39.75	1.0000	1.0000
L31	22	(Area) CCI-65FP-060100 (H)	38.75 - 39.75	1.0000	1.0000
L31	23	(Area) CCI-65FP-060100 (H)	38.75 - 39.75	1.0000	1.0000
L32	1	561(1-5/8) (H)	33.75 - 38.75	1.0000	1.0000
L32	14	LCF158-50JL(1-5/8) (H)	33.75 - 38.75	1.0000	1.0000
L32	21	(Area) CCI-65FP-060100 (H)	33.75 - 38.75	1.0000	1.0000
L32	22	(Area) CCI-65FP-060100 (H)	33.75 - 38.75	1.0000	1.0000
L32	23	(Area) CCI-65FP-060100 (H)	33.75 - 38.75	1.0000	1.0000
L33	1	561(1-5/8) (H)	28.75 - 33.75	1.0000	1.0000
L33	14	LCF158-50JL(1-5/8) (H)	28.75 - 33.75	1.0000	1.0000
L33	18	(Area) CCI-65FP-065125 (H)	28.75 - 30.50	1.0000	1.0000
L33	19	(Area) CCI-65FP-065125 (H)	28.75 - 30.50	1.0000	1.0000
L33	20	(Area) CCI-65FP-065125 (H)	28.75 - 30.50	1.0000	1.0000
L33	21	(Area) CCI-65FP-060100 (H)	28.75 - 33.75	1.0000	1.0000
L33	22	(Area) CCI-65FP-060100 (H)	28.75 - 33.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L33	23	(Area) CCI-65FP-060100 (H)	28.75 - 33.75	1.0000	1.0000
L34	1	561(1-5/8)	27.75 - 28.75	1.0000	1.0000
L34	14	LCF158-50JL(1-5/8)	27.75 - 28.75	1.0000	1.0000
L34	18	(Area) CCI-65FP-065125 (H)	27.75 - 28.75	1.0000	1.0000
L34	19	(Area) CCI-65FP-065125 (H)	27.75 - 28.75	1.0000	1.0000
L34	20	(Area) CCI-65FP-065125 (H)	27.75 - 28.75	1.0000	1.0000
L34	21	(Area) CCI-65FP-060100 (H)	27.75 - 28.75	1.0000	1.0000
L34	22	(Area) CCI-65FP-060100 (H)	27.75 - 28.75	1.0000	1.0000
L34	23	(Area) CCI-65FP-060100 (H)	27.75 - 28.75	1.0000	1.0000
L35	1	561(1-5/8)	27.50 - 27.75	1.0000	1.0000
L35	14	LCF158-50JL(1-5/8)	27.50 - 27.75	1.0000	1.0000
L35	18	(Area) CCI-65FP-065125 (H)	27.50 - 27.75	1.0000	1.0000
L35	19	(Area) CCI-65FP-065125 (H)	27.50 - 27.75	1.0000	1.0000
L35	20	(Area) CCI-65FP-065125 (H)	27.50 - 27.75	1.0000	1.0000
L35	21	(Area) CCI-65FP-060100 (H)	27.50 - 27.75	1.0000	1.0000
L35	22	(Area) CCI-65FP-060100 (H)	27.50 - 27.75	1.0000	1.0000
L35	23	(Area) CCI-65FP-060100 (H)	27.50 - 27.75	1.0000	1.0000
L36	1	561(1-5/8)	22.50 - 27.50	1.0000	1.0000
L36	14	LCF158-50JL(1-5/8)	22.50 - 27.50	1.0000	1.0000
L36	18	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	1.0000	1.0000
L36	19	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	1.0000	1.0000
L36	20	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	1.0000	1.0000
L36	21	(Area) CCI-65FP-060100 (H)	25.75 - 27.50	1.0000	1.0000
L36	22	(Area) CCI-65FP-060100 (H)	25.75 - 27.50	1.0000	1.0000
L36	23	(Area) CCI-65FP-060100 (H)	25.75 - 27.50	1.0000	1.0000
L37	1	561(1-5/8)	17.50 - 22.50	1.0000	1.0000
L37	14	LCF158-50JL(1-5/8)	17.50 - 22.50	1.0000	1.0000
L37	18	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	1.0000	1.0000
L37	19	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	1.0000	1.0000
L37	20	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	1.0000	1.0000
L38	1	561(1-5/8)	12.50 - 17.50	1.0000	1.0000
L38	14	LCF158-50JL(1-5/8)	12.50 - 17.50	1.0000	1.0000
L38	18	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	1.0000	1.0000
L38	19	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	1.0000	1.0000
L38	20	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
		(H)	17.50		
L39	1	561(1-5/8)	8.75 - 12.50	1.0000	1.0000
L39	14	LCF158-50JL(1-5/8)	8.75 - 12.50	1.0000	1.0000
L39	18	(Area) CCI-65FP-065125	8.75 - 12.50	1.0000	1.0000
		(H)			
L39	19	(Area) CCI-65FP-065125	8.75 - 12.50	1.0000	1.0000
		(H)			
L39	20	(Area) CCI-65FP-065125	8.75 - 12.50	1.0000	1.0000
		(H)			
L40	1	561(1-5/8)	8.50 - 8.75	1.0000	1.0000
L40	14	LCF158-50JL(1-5/8)	8.50 - 8.75	1.0000	1.0000
L40	18	(Area) CCI-65FP-065125	8.50 - 8.75	1.0000	1.0000
		(H)			
L40	19	(Area) CCI-65FP-065125	8.50 - 8.75	1.0000	1.0000
		(H)			
L40	20	(Area) CCI-65FP-065125	8.50 - 8.75	1.0000	1.0000
		(H)			
L41	1	561(1-5/8)	8.25 - 8.50	1.0000	1.0000
L41	14	LCF158-50JL(1-5/8)	8.25 - 8.50	1.0000	1.0000
L41	18	(Area) CCI-65FP-065125	8.25 - 8.50	1.0000	1.0000
		(H)			
L41	19	(Area) CCI-65FP-065125	8.25 - 8.50	1.0000	1.0000
		(H)			
L41	20	(Area) CCI-65FP-065125	8.25 - 8.50	1.0000	1.0000
		(H)			
L42	1	561(1-5/8)	8.00 - 8.25	1.0000	1.0000
L42	14	LCF158-50JL(1-5/8)	8.00 - 8.25	1.0000	1.0000
L42	18	(Area) CCI-65FP-065125	8.00 - 8.25	1.0000	1.0000
		(H)			
L42	19	(Area) CCI-65FP-065125	8.00 - 8.25	1.0000	1.0000
		(H)			
L42	20	(Area) CCI-65FP-065125	8.00 - 8.25	1.0000	1.0000
		(H)			
L43	1	561(1-5/8)	3.25 - 8.00	1.0000	1.0000
L43	14	LCF158-50JL(1-5/8)	3.25 - 8.00	1.0000	1.0000
L43	18	(Area) CCI-65FP-065125	3.25 - 8.00	1.0000	1.0000
		(H)			
L43	19	(Area) CCI-65FP-065125	3.25 - 8.00	1.0000	1.0000
		(H)			
L43	20	(Area) CCI-65FP-065125	3.25 - 8.00	1.0000	1.0000
		(H)			
L44	1	561(1-5/8)	3.00 - 3.25	1.0000	1.0000
L44	14	LCF158-50JL(1-5/8)	3.00 - 3.25	1.0000	1.0000
L44	18	(Area) CCI-65FP-065125	3.00 - 3.25	1.0000	1.0000
		(H)			
L44	19	(Area) CCI-65FP-065125	3.00 - 3.25	1.0000	1.0000
		(H)			
L44	20	(Area) CCI-65FP-065125	3.00 - 3.25	1.0000	1.0000
		(H)			
L45	1	561(1-5/8)	0.00 - 3.00	1.0000	1.0000
L45	14	LCF158-50JL(1-5/8)	0.00 - 3.00	1.0000	1.0000
L45	18	(Area) CCI-65FP-065125	0.00 - 3.00	1.0000	1.0000
		(H)			
L45	19	(Area) CCI-65FP-065125	0.00 - 3.00	1.0000	1.0000
		(H)			
L45	20	(Area) CCI-65FP-065125	0.00 - 3.00	1.0000	1.0000
		(H)			

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L16	27	(Area) CCI-65FP-045100 (H)	91.50 - 93.00	Auto	0.0000
L16	28	(Area) CCI-65FP-045100 (H)	91.50 - 93.00	Auto	0.0000
L16	29	(Area) CCI-65FP-045100 (H)	91.50 - 93.00	Auto	0.0000
L17	27	(Area) CCI-65FP-045100 (H)	91.25 - 91.50	Auto	0.0000
L17	28	(Area) CCI-65FP-045100 (H)	91.25 - 91.50	Auto	0.0000
L17	29	(Area) CCI-65FP-045100 (H)	91.25 - 91.50	Auto	0.0000
L18	27	(Area) CCI-65FP-045100 (H)	86.25 - 91.25	Auto	0.0000
L18	28	(Area) CCI-65FP-045100 (H)	86.25 - 91.25	Auto	0.0000
L18	29	(Area) CCI-65FP-045100 (H)	86.25 - 91.25	Auto	0.0000
L19	27	(Area) CCI-65FP-045100 (H)	83.00 - 86.25	Auto	0.0000
L19	28	(Area) CCI-65FP-045100 (H)	83.00 - 86.25	Auto	0.0000
L19	29	(Area) CCI-65FP-045100 (H)	83.00 - 86.25	Auto	0.0000
L22	24	(Area) CCI-65FP-060100 (H)	69.75 - 71.75	Auto	0.0317
L22	25	(Area) CCI-65FP-060100 (H)	69.75 - 71.75	Auto	0.0317
L22	26	(Area) CCI-65FP-060100 (H)	69.75 - 71.75	Auto	0.0317
L23	24	(Area) CCI-65FP-060100 (H)	69.50 - 69.75	Auto	0.0774
L23	25	(Area) CCI-65FP-060100 (H)	69.50 - 69.75	Auto	0.0774
L23	26	(Area) CCI-65FP-060100 (H)	69.50 - 69.75	Auto	0.0774
L24	24	(Area) CCI-65FP-060100 (H)	64.50 - 69.50	Auto	0.0641
L24	25	(Area) CCI-65FP-060100 (H)	64.50 - 69.50	Auto	0.0641
L24	26	(Area) CCI-65FP-060100 (H)	64.50 - 69.50	Auto	0.0641
L25	24	(Area) CCI-65FP-060100 (H)	59.50 - 64.50	Auto	0.0352
L25	25	(Area) CCI-65FP-060100 (H)	59.50 - 64.50	Auto	0.0352
L25	26	(Area) CCI-65FP-060100 (H)	59.50 - 64.50	Auto	0.0352
L26	21	(Area) CCI-65FP-060100 (H)	54.50 - 55.75	Auto	0.0011
L26	22	(Area) CCI-65FP-060100 (H)	54.50 - 55.75	Auto	0.0011
L26	23	(Area) CCI-65FP-060100 (H)	54.50 - 55.75	Auto	0.0011
L26	24	(Area) CCI-65FP-060100 (H)	54.50 - 59.50	Auto	0.0101
L26	25	(Area) CCI-65FP-060100 (H)	54.50 - 59.50	Auto	0.0101
L26	26	(Area) CCI-65FP-060100 (H)	54.50 - 59.50	Auto	0.0101
L27	21	(Area) CCI-65FP-060100 (H)	53.75 - 54.50	Auto	0.0000
L27	22	(Area) CCI-65FP-060100 (H)	53.75 - 54.50	Auto	0.0000
L27	23	(Area) CCI-65FP-060100 (H)	53.75 - 54.50	Auto	0.0000
L27	24	(Area) CCI-65FP-060100 (H)	53.75 - 54.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L27	25	(Area) CCI-65FP-060100 (H)	53.75 - 54.50	Auto	0.0000
L27	26	(Area) CCI-65FP-060100 (H)	53.75 - 54.50	Auto	0.0000
L28	21	(Area) CCI-65FP-060100 (H)	53.50 - 53.75	Auto	0.0000
L28	22	(Area) CCI-65FP-060100 (H)	53.50 - 53.75	Auto	0.0000
L28	23	(Area) CCI-65FP-060100 (H)	53.50 - 53.75	Auto	0.0000
L28	24	(Area) CCI-65FP-060100 (H)	53.50 - 53.75	Auto	0.0000
L28	25	(Area) CCI-65FP-060100 (H)	53.50 - 53.75	Auto	0.0000
L28	26	(Area) CCI-65FP-060100 (H)	53.50 - 53.75	Auto	0.0000
L29	21	(Area) CCI-65FP-060100 (H)	48.50 - 53.50	Auto	0.0000
L29	22	(Area) CCI-65FP-060100 (H)	48.50 - 53.50	Auto	0.0000
L29	23	(Area) CCI-65FP-060100 (H)	48.50 - 53.50	Auto	0.0000
L29	24	(Area) CCI-65FP-060100 (H)	51.75 - 53.50	Auto	0.0000
L29	25	(Area) CCI-65FP-060100 (H)	51.75 - 53.50	Auto	0.0000
L29	26	(Area) CCI-65FP-060100 (H)	51.75 - 53.50	Auto	0.0000
L30	21	(Area) CCI-65FP-060100 (H)	39.75 - 48.50	Auto	0.0000
L30	22	(Area) CCI-65FP-060100 (H)	39.75 - 48.50	Auto	0.0000
L30	23	(Area) CCI-65FP-060100 (H)	39.75 - 48.50	Auto	0.0000
L31	21	(Area) CCI-65FP-060100 (H)	38.75 - 39.75	Auto	0.0000
L31	22	(Area) CCI-65FP-060100 (H)	38.75 - 39.75	Auto	0.0000
L31	23	(Area) CCI-65FP-060100 (H)	38.75 - 39.75	Auto	0.0000
L32	21	(Area) CCI-65FP-060100 (H)	33.75 - 38.75	Auto	0.0000
L32	22	(Area) CCI-65FP-060100 (H)	33.75 - 38.75	Auto	0.0000
L32	23	(Area) CCI-65FP-060100 (H)	33.75 - 38.75	Auto	0.0000
L33	18	(Area) CCI-65FP-065125 (H)	28.75 - 30.50	Auto	0.0000
L33	19	(Area) CCI-65FP-065125 (H)	28.75 - 30.50	Auto	0.0000
L33	20	(Area) CCI-65FP-065125 (H)	28.75 - 30.50	Auto	0.0000
L33	21	(Area) CCI-65FP-060100 (H)	28.75 - 33.75	Auto	0.0000
L33	22	(Area) CCI-65FP-060100 (H)	28.75 - 33.75	Auto	0.0000
L33	23	(Area) CCI-65FP-060100 (H)	28.75 - 33.75	Auto	0.0000
L34	18	(Area) CCI-65FP-065125 (H)	27.75 - 28.75	Auto	0.0000
L34	19	(Area) CCI-65FP-065125 (H)	27.75 - 28.75	Auto	0.0000
L34	20	(Area) CCI-65FP-065125 (H)	27.75 - 28.75	Auto	0.0000
L34	21	(Area) CCI-65FP-060100 (H)	27.75 - 28.75	Auto	0.0000
L34	22	(Area) CCI-65FP-060100 (H)	27.75 - 28.75	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L34	23	(Area) CCI-65FP-060100 (H)	27.75 - 28.75	Auto	0.0000
L35	18	(Area) CCI-65FP-065125 (H)	27.50 - 27.75	Auto	0.0000
L35	19	(Area) CCI-65FP-065125 (H)	27.50 - 27.75	Auto	0.0000
L35	20	(Area) CCI-65FP-065125 (H)	27.50 - 27.75	Auto	0.0000
L35	21	(Area) CCI-65FP-060100 (H)	27.50 - 27.75	Auto	0.0000
L35	22	(Area) CCI-65FP-060100 (H)	27.50 - 27.75	Auto	0.0000
L35	23	(Area) CCI-65FP-060100 (H)	27.50 - 27.75	Auto	0.0000
L36	18	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	Auto	0.0000
L36	19	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	Auto	0.0000
L36	20	(Area) CCI-65FP-065125 (H)	22.50 - 27.50	Auto	0.0000
L36	21	(Area) CCI-65FP-060100 (H)	25.75 - 27.50	Auto	0.0000
L36	22	(Area) CCI-65FP-060100 (H)	25.75 - 27.50	Auto	0.0000
L36	23	(Area) CCI-65FP-060100 (H)	25.75 - 27.50	Auto	0.0000
L37	18	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	Auto	0.0000
L37	19	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	Auto	0.0000
L37	20	(Area) CCI-65FP-065125 (H)	17.50 - 22.50	Auto	0.0000
L38	18	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	Auto	0.0000
L38	19	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	Auto	0.0000
L38	20	(Area) CCI-65FP-065125 (H)	12.50 - 17.50	Auto	0.0000
L39	18	(Area) CCI-65FP-065125 (H)	8.75 - 12.50	Auto	0.0000
L39	19	(Area) CCI-65FP-065125 (H)	8.75 - 12.50	Auto	0.0000
L39	20	(Area) CCI-65FP-065125 (H)	8.75 - 12.50	Auto	0.0000
L40	18	(Area) CCI-65FP-065125 (H)	8.50 - 8.75	Auto	0.0000
L40	19	(Area) CCI-65FP-065125 (H)	8.50 - 8.75	Auto	0.0000
L40	20	(Area) CCI-65FP-065125 (H)	8.50 - 8.75	Auto	0.0000
L41	18	(Area) CCI-65FP-065125 (H)	8.25 - 8.50	Auto	0.0000
L41	19	(Area) CCI-65FP-065125 (H)	8.25 - 8.50	Auto	0.0000
L41	20	(Area) CCI-65FP-065125 (H)	8.25 - 8.50	Auto	0.0000
L42	18	(Area) CCI-65FP-065125 (H)	8.00 - 8.25	Auto	0.0000
L42	19	(Area) CCI-65FP-065125 (H)	8.00 - 8.25	Auto	0.0000
L42	20	(Area) CCI-65FP-065125 (H)	8.00 - 8.25	Auto	0.0000
L43	18	(Area) CCI-65FP-065125 (H)	3.25 - 8.00	Auto	0.0000
L43	19	(Area) CCI-65FP-065125 (H)	3.25 - 8.00	Auto	0.0000
L43	20	(Area) CCI-65FP-065125 (H)	3.25 - 8.00	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L44	18	(Area) CCI-65FP-065125 (H)	3.00 - 3.25	Auto	0.0000
L44	19	(Area) CCI-65FP-065125 (H)	3.00 - 3.25	Auto	0.0000
L44	20	(Area) CCI-65FP-065125 (H)	3.00 - 3.25	Auto	0.0000
L45	18	(Area) CCI-65FP-065125 (H)	0.00 - 3.00	Auto	0.0000
L45	19	(Area) CCI-65FP-065125 (H)	0.00 - 3.00	Auto	0.0000
L45	20	(Area) CCI-65FP-065125 (H)	0.00 - 3.00	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
Lightning Rod 5/8x4' *****	C	None		0.0000	170.0000
APX16PV-16PVL-E w/ Mount Pipe	A	From Leg	1.0000 0.00 2.00	0.0000	166.0000
APX16PV-16PVL-E w/ Mount Pipe	B	From Leg	1.0000 0.00 2.00	0.0000	166.0000
APX16PV-16PVL-E w/ Mount Pipe	C	From Leg	1.0000 0.00 2.00	0.0000	166.0000
DTMA-1819-DD-12	A	From Leg	1.0000 0.00 2.00	0.0000	166.0000
DTMA-1819-DD-12	B	From Leg	1.0000 0.00 2.00	0.0000	166.0000
DTMA-1819-DD-12	C	From Leg	1.0000 0.00 2.00	0.0000	166.0000

AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	157.0000
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.0000	157.0000
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.0000 0.00 0.00	0.0000	157.0000
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	157.0000
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.0000	157.0000
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	C	From Leg	4.0000 0.00 0.00	0.0000	157.0000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	157.0000
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.0000	157.0000
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	C	From Leg	4.0000 0.00 0.00	0.0000	157.0000
RADIO 4460 B2/B25 B66_TMO	A	From Leg	4.0000 0.00 0.00	0.0000	157.0000
RADIO 4460 B2/B25 B66_TMO	B	From Leg	4.0000 0.00 0.00	0.0000	157.0000
RADIO 4460 B2/B25 B66_TMO	C	From Leg	4.0000 0.00 0.00	0.0000	157.0000
RADIO 4480 B71_TMO	A	From Leg	4.0000 0.00 0.00	0.0000	157.0000
RADIO 4480 B71_TMO	B	From Leg	4.0000 0.00 0.00	0.0000	157.0000
RADIO 4480 B71_TMO	C	From Leg	4.0000 0.00 0.00	0.0000	157.0000
Platform Mount [LP 1201-1_KCKR-HR-1] 2.4" Dia. x 5'6" Pipe	C	None		0.0000	157.0000
	A	From Centroid-Face	4.0000 3.00 0.00	0.0000	157.0000
2.4" Dia. x 5'6" Pipe	B	From Centroid-Face	4.0000 3.00 0.00	0.0000	157.0000
2.4" Dia. x 5'6" Pipe	C	From Centroid-Face	4.0000 3.00 0.00	0.0000	157.0000
*** ***					
(2) LPA-80080/6CF w/ Mount Pipe	A	From Centroid-Face	4.0000 0.00 2.00	-30.0000	145.0000
(2) LPA-80080/6CF w/ Mount Pipe	B	From Centroid-Face	4.0000 0.00 2.00	-30.0000	145.0000
(2) LPA-80080/6CF w/ Mount Pipe	C	From Centroid-Face	4.0000 0.00 2.00	-30.0000	145.0000
QS6656-5D w/ Mount Pipe	A	From Centroid-Face	4.0000 -3.00 2.00	-30.0000	145.0000
QS6656-5D	A	From Centroid-Face	4.0000 -3.00 2.00	-30.0000	145.0000
QS6656-5D w/ Mount Pipe	B	From Centroid-Face	4.0000 -3.00 2.00	-30.0000	145.0000
QS6656-5D	B	From Centroid-Face	4.0000 -3.00 2.00	-30.0000	145.0000
QS6656-5D w/ Mount Pipe	C	From Centroid-Face	4.0000 -3.00 2.00	-15.0000	145.0000
QS6656-5D	C	From Centroid-Face	4.0000 -3.00	-15.0000	145.0000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
Sub6 Antenna - VZS01 w/ Mount Pipe	A	From Centroid-Face	2.00 4.0000	-30.0000	145.0000
Sub6 Antenna - VZS01 w/ Mount Pipe	B	From Centroid-Face	3.00 2.00 4.0000	-30.0000	145.0000
Sub6 Antenna - VZS01 w/ Mount Pipe	C	From Centroid-Face	3.00 2.00 4.0000	-15.0000	145.0000
RFV01U-D1A	A	From Centroid-Face	3.00 2.00 4.0000	-30.0000	145.0000
RFV01U-D1A	B	From Centroid-Face	-3.00 2.00 4.0000	-30.0000	145.0000
RFV01U-D1A	C	From Centroid-Face	2.00 4.0000	-15.0000	145.0000
RFV01U-D2A	A	From Centroid-Face	-3.00 2.00 4.0000	-30.0000	145.0000
RFV01U-D2A	B	From Centroid-Face	-6.00 2.00 4.0000	-30.0000	145.0000
RFV01U-D2A	C	From Centroid-Face	-6.00 2.00 4.0000	-30.0000	145.0000
DB-C1-12C-24AB-0Z	B	From Centroid-Face	2.00 4.0000	-30.0000	145.0000
Platform Mount [LP 403-1] ***	C	None	-3.00 2.00	0.0000	145.0000
7770.00 w/ Mount Pipe	A	From Centroid-Leg	4.0000	30.0000	120.0000
7770.00 w/ Mount Pipe	B	From Centroid-Leg	-6.00 0.00 4.0000	30.0000	120.0000
7770.00 w/ Mount Pipe	C	From Centroid-Leg	-6.00 0.00 4.0000	30.0000	120.0000
AM-X-CD-16-65-00T-RET w/ Mount Pipe	A	From Centroid-Leg	0.00 4.0000	30.0000	120.0000
AM-X-CD-14-65-00T-RET w/ Mount Pipe	B	From Centroid-Leg	-3.00 0.00 4.0000	30.0000	120.0000
800 10764 w/ Mount Pipe	C	From Centroid-Leg	-3.00 0.00 4.0000	30.0000	120.0000
HPA-65R-BUU-H6 w/ Mount Pipe	A	From Centroid-Leg	0.00 4.0000	30.0000	120.0000
SBNHH-1D65A w/ Mount Pipe	B	From Centroid-Leg	6.00 0.00 4.0000	30.0000	120.0000
SBNHH-1D65A w/ Mount Pipe	C	From Centroid-Leg	3.00 0.00 4.0000	30.0000	120.0000
(2) LGP2140X	A	From Centroid-Leg	3.00 0.00 4.0000	30.0000	120.0000
(2) LGP2140X	B	From Centroid-Leg	-6.00 0.00 4.0000	30.0000	120.0000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
(2) LGP2140X	C	From Centroid-Leg	0.00 4.0000 -6.00 0.00	30.0000	120.0000
DC6-48-60-18-8F	A	From Centroid-Leg	4.0000 3.00 0.00	30.0000	120.0000
RRUS 11 B12	A	From Centroid-Leg	4.0000 -3.00 0.00	30.0000	120.0000
RRUS 11 B12	B	From Centroid-Leg	4.0000 -3.00 0.00	30.0000	120.0000
RRUS 11 B12	C	From Centroid-Leg	4.0000 -3.00 0.00	30.0000	120.0000
RRUS 4415 B25	A	From Centroid-Leg	4.0000 6.00 0.00	30.0000	120.0000
RRUS 4415 B25	B	From Centroid-Leg	4.0000 3.00 0.00	30.0000	120.0000
RRUS 4415 B25	C	From Centroid-Leg	4.0000 3.00 0.00	30.0000	120.0000
Platform Mount [LP 303-1_HR-1] 2.4" Dia. x 6-ft	C	None		0.0000	120.0000
	A	From Centroid-Leg	4.0000 3.00 0.00	0.0000	120.0000
2.4" Dia. x 6-ft	B	From Centroid-Leg	4.0000 6.00 0.00	0.0000	120.0000
2.4" Dia. x 6-ft	C	From Centroid-Leg	4.0000 6.00 0.00	0.0000	120.0000
2.4" Dia. x 6-ft	A	From Centroid-Leg	2.0000 0.00 0.00	0.0000	120.0000
2.4" Dia. x 6-ft	B	From Centroid-Leg	2.0000 0.00 0.00	0.0000	120.0000
2.4" Dia. x 6-ft	C	From Centroid-Leg	2.0000 0.00 0.00	0.0000	120.0000

APXV18-206517S-C w/ Mount Pipe	A	From Leg	1.0000 0.00 0.00	30.0000	102.0000
APXV18-206517S-C w/ Mount Pipe	B	From Leg	1.0000 0.00 0.00	30.0000	102.0000
APXV18-206517S-C w/ Mount Pipe	C	From Leg	1.0000 0.00 0.00	30.0000	102.0000

KS24019-L112A	C	From Leg	3.0000 0.00 1.00	-20.0000	74.0000
Side Arm Mount [SO 702-1] *** **	C	None		0.0000	74.0000
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.0000	130.0000
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.0000	0.0000	130.0000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
			0.00		
			0.00		
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.0000	0.0000	130.0000
			0.00		
			0.00		
TA08025-B604	A	From Leg	4.0000	0.0000	130.0000
			0.00		
			0.00		
TA08025-B604	B	From Leg	4.0000	0.0000	130.0000
			0.00		
			0.00		
TA08025-B604	C	From Leg	4.0000	0.0000	130.0000
			0.00		
			0.00		
TA08025-B605	A	From Leg	4.0000	0.0000	130.0000
			0.00		
			0.00		
TA08025-B605	B	From Leg	4.0000	0.0000	130.0000
			0.00		
			0.00		
TA08025-B605	C	From Leg	4.0000	0.0000	130.0000
			0.00		
			0.00		
RDIDC-9181-PF-48	A	From Leg	4.0000	0.0000	130.0000
			0.00		
			0.00		
(2) 8' x 2" Mount Pipe	A	From Leg	4.0000	0.0000	130.0000
			0.00		
			0.00		
(2) 8' x 2" Mount Pipe	B	From Leg	4.0000	0.0000	130.0000
			0.00		
			0.00		
(2) 8' x 2" Mount Pipe	C	From Leg	4.0000	0.0000	130.0000
			0.00		
			0.00		
Commscope MC-PK8-DSH ***	C	None		0.0000	130.0000

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

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	168 - 163	Pole	Max Tension	26	0.00	0.00	-0.00
			Max. Compression	26	-1.62	-0.09	0.05
			Max. Mx	8	-0.46	-3.35	0.02
			Max. My	2	-0.46	-0.04	3.33
			Max. Vy	8	0.77	-3.35	0.02
			Max. Vx	2	-0.77	-0.04	3.33
			Max. Torque	24			0.00
L2	163 - 158	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-2.26	-0.24	0.15
			Max. Mx	8	-0.74	-7.85	0.06
			Max. My	2	-0.75	-0.10	7.74
			Max. Vy	10	1.08	-7.43	-4.18
			Max. Vx	2	-0.98	-0.10	7.74
			Max. Torque	11			0.07
L3	158 - 153	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-16.54	-0.51	0.33
			Max. Mx	8	-5.67	-34.54	0.14
			Max. My	2	-5.68	-0.22	34.25
			Max. Vy	8	6.54	-34.54	0.14
			Max. Vx	2	-6.51	-0.22	34.25
			Max. Torque	11			0.07
L4	153 - 148	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-17.40	-0.81	0.54
			Max. Mx	8	-6.05	-68.26	0.22
			Max. My	2	-6.05	-0.34	67.81
			Max. Vy	8	6.92	-68.26	0.22
			Max. Vx	2	-6.89	-0.34	67.81
			Max. Torque	11			0.07

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L5	148 - 143	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-29.05	-1.53	1.72
			Max. Mx	8	-9.65	-119.84	0.53
			Max. My	2	-9.64	-0.66	119.56
			Max. Vy	8	11.95	-119.84	0.53
			Max. Vx	2	-11.99	-0.66	119.56
			Max. Torque	22			-0.77
L6	143 - 138	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-29.98	-1.89	1.99
			Max. Mx	8	-10.11	-180.63	0.83
			Max. My	2	-10.10	-0.99	180.49
			Max. Vy	8	12.33	-180.63	0.83
			Max. Vx	2	-12.37	-0.99	180.49
			Max. Torque	22			-0.77
L7	138 - 133	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-30.94	-2.25	2.26
			Max. Mx	8	-10.59	-243.31	1.12
			Max. My	2	-10.58	-1.33	243.31
			Max. Vy	8	12.71	-243.31	1.12
			Max. Vx	2	-12.75	-1.33	243.31
			Max. Torque	22			-0.77
L8	133 - 128	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-38.83	-2.62	3.14
			Max. Mx	8	-13.92	-314.52	1.51
			Max. My	2	-13.91	-1.68	314.86
			Max. Vy	8	16.41	-314.52	1.51
			Max. Vx	2	-16.48	-1.68	314.86
			Max. Torque	22			-0.98
L9	128 - 123	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.84	-3.01	3.44
			Max. Mx	8	-14.49	-397.51	1.82
			Max. My	2	-14.47	-2.03	398.18
			Max. Vy	8	16.76	-397.51	1.82
			Max. Vx	2	-16.84	-2.03	398.18
			Max. Torque	22			-0.98
L10	123 - 116.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-40.42	-3.23	3.60
			Max. Mx	8	-14.83	-443.92	1.99
			Max. My	2	-14.81	-2.23	444.76
			Max. Vy	8	16.96	-443.92	1.99
			Max. Vx	2	-17.04	-2.23	444.76
			Max. Torque	22			-0.98
L11	116.5 - 115.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.61	-5.30	5.14
			Max. Mx	8	-18.52	-545.61	2.67
			Max. My	2	-18.50	-3.05	546.81
			Max. Vy	8	20.62	-545.61	2.67
			Max. Vx	2	-20.74	-3.05	546.81
			Max. Torque	22			-2.01
L12	115.25 - 110.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.84	-5.71	5.45
			Max. Mx	8	-19.32	-649.66	3.21
			Max. My	2	-19.30	-3.64	651.37
			Max. Vy	8	20.98	-649.66	3.21
			Max. Vx	2	-21.09	-3.64	651.37
			Max. Torque	22			-2.01
L13	110.25 - 105.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.09	-6.13	5.77
			Max. Mx	8	-20.15	-755.47	3.74
			Max. My	2	-20.13	-4.23	757.71
			Max. Vy	8	21.33	-755.47	3.74
			Max. Vx	2	-21.44	-4.23	757.71
			Max. Torque	22			-2.01
L14	105.25 - 100.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55.24	-6.47	6.11

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L15	100.25 - 95.25	Pole	Max. Mx	8	-21.16	-863.64	4.28
			Max. My	2	-21.15	-4.81	866.40
			Max. Vy	8	22.03	-863.64	4.28
			Max. Vx	2	-22.15	-4.81	866.40
			Max. Torque	22			-2.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-56.67	-6.70	6.51
			Max. Mx	8	-22.07	-974.65	4.83
			Max. My	2	-22.05	-5.38	977.97
			Max. Vy	8	22.36	-974.65	4.83
L16	95.25 - 91.5	Pole	Max. Vx	2	-22.48	-5.38	977.97
			Max. Torque	22			-2.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-57.82	-6.87	6.81
			Max. Mx	8	-22.75	-1058.98	5.24
			Max. My	2	-22.74	-5.80	1062.71
			Max. Vy	8	22.61	-1058.98	5.24
			Max. Vx	2	-22.72	-5.80	1062.71
			Max. Torque	22			-2.00
			Max Tension	1	0.00	0.00	0.00
L17	91.5 - 91.25	Pole	Max. Compression	26	-57.90	-6.88	6.84
			Max. Mx	8	-22.82	-1064.64	5.26
			Max. My	2	-22.80	-5.83	1068.39
			Max. Vy	8	22.61	-1064.64	5.26
			Max. Vx	2	-22.72	-5.83	1068.39
			Max. Torque	22			-2.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-59.57	-7.09	7.23
			Max. Mx	8	-23.75	-1178.54	5.81
			Max. My	2	-23.73	-6.39	1182.84
L18	91.25 - 86.25	Pole	Max. Vy	8	22.93	-1178.54	5.81
			Max. Vx	2	-23.05	-6.39	1182.84
			Max. Torque	22			-2.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.05	-7.15	7.34
			Max. Mx	8	-24.03	-1213.01	5.97
			Max. My	2	-24.01	-6.56	1217.48
			Max. Vy	8	23.03	-1213.01	5.97
			Max. Vx	2	-23.15	-6.56	1217.48
			Max. Torque	22			-1.99
L19	86.25 - 80.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-62.81	-7.38	7.78
			Max. Mx	8	-25.66	-1341.02	6.57
			Max. My	2	-25.64	-7.18	1346.09
			Max. Vy	8	23.50	-1341.02	6.57
			Max. Vx	2	-23.61	-7.18	1346.09
			Max. Torque	22			-1.99
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-64.45	-7.58	8.16
			Max. Mx	8	-26.76	-1459.33	7.11
L20	80.25 - 79.25	Pole	Max. My	2	-26.75	-7.74	1464.95
			Max. Vy	8	23.82	-1459.33	7.11
			Max. Vx	2	-23.93	-7.74	1464.95
			Max. Torque	22			-1.99
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-66.17	-7.71	8.48
			Max. Mx	8	-27.80	-1567.42	7.58
			Max. My	2	-27.79	-8.23	1573.54
			Max. Vy	8	24.17	-1567.42	7.58
			Max. Vx	2	-24.28	-8.23	1573.54
L21	79.25 - 74.25	Pole	Max. Torque	22			-1.99
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-66.28	-7.73	8.51

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L24	69.5 - 64.5	Pole	Max. Mx	8	-27.89	-1573.46	7.61
			Max. My	2	-27.88	-8.26	1579.61
			Max. Vy	8	24.17	-1573.46	7.61
			Max. Vx	2	-24.28	-8.26	1579.61
			Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-68.56	-7.91	8.88
			Max. Mx	8	-29.34	-1695.37	8.15
			Max. My	2	-29.33	-8.82	1702.06
			Max. Vy	8	24.57	-1695.37	8.15
L25	64.5 - 59.5	Pole	Max. Vx	2	-24.68	-8.82	1702.06
			Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-70.85	-8.10	9.27
			Max. Mx	8	-30.81	-1819.19	8.69
			Max. My	2	-30.80	-9.38	1826.43
			Max. Vy	8	24.94	-1819.19	8.69
			Max. Vx	2	-25.06	-9.38	1826.43
			Max. Torque	22			-1.97
			L26	59.5 - 54.5	Pole	Max Tension	1
Max. Compression	26	-73.21				-8.28	9.65
Max. Mx	8	-32.31				-1944.88	9.23
Max. My	2	-32.30				-9.94	1952.66
Max. Vy	8	25.31				-1944.88	9.23
Max. Vx	2	-25.42				-9.94	1952.66
Max. Torque	22						-1.97
Max Tension	1	0.00				0.00	0.00
Max. Compression	26	-73.60				-8.31	9.71
L27	54.5 - 53.75	Pole				Max. Mx	8
			Max. My	2	-32.53	-10.03	1971.75
			Max. Vy	8	25.36	-1963.89	9.31
			Max. Vx	2	-25.47	-10.03	1971.75
			Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-73.72	-8.33	9.73
			Max. Mx	8	-32.62	-1970.24	9.34
			Max. My	2	-32.61	-10.06	1978.12
			L28	53.75 - 53.5	Pole	Max. Vy	8
Max. Vx	2	-25.49				-10.06	1978.12
Max. Torque	22						-1.97
Max Tension	1	0.00				0.00	0.00
Max. Compression	26	-76.13				-8.50	10.10
Max. Mx	8	-34.14				-2098.09	9.88
Max. My	2	-34.13				-10.62	2106.52
Max. Vy	8	25.74				-2098.09	9.88
Max. Vx	2	-25.85				-10.62	2106.52
L29	53.5 - 48.5	Pole				Max. Torque	22
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-77.77	-8.63	10.37
			Max. Mx	8	-35.22	-2188.63	10.26
			Max. My	2	-35.21	-11.01	2197.43
			Max. Vy	8	25.98	-2188.63	10.26
			Max. Vx	2	-26.09	-11.01	2197.43
			Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			L30	48.5 - 39.75	Pole	Max. Compression	26
Max. Mx	8	-38.11				-2352.74	10.94
Max. My	2	-38.10				-11.72	2362.21
Max. Vy	8	26.50				-2352.74	10.94
Max. Vx	2	-26.61				-11.72	2362.21
Max. Torque	22						-1.97
Max Tension	1	0.00				0.00	0.00
Max. Compression	26	-84.35				-9.03	11.21
Max. Mx	8	-39.52				-2485.85	11.48
L31	39.75 - 38.75	Pole				Max. My	2
			Max. Vy	8	26.74	-2485.85	11.48
			Max. Vx	2	-26.85	-12.28	2495.86
			Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.19	-8.85	10.84
L32	38.75 - 33.75	Pole	Max. Mx	8	-38.11	-2352.74	10.94
			Max. My	2	-38.10	-11.72	2362.21
			Max. Vy	8	26.50	-2352.74	10.94
			Max. Vx	2	-26.61	-11.72	2362.21
			Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L33	33.75 - 28.75	Pole	Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-86.60	-9.20	11.57
			Max. Mx	8	-40.96	-2620.16	12.01
			Max. My	2	-40.95	-12.83	2630.69
			Max. Vy	8	26.97	-2620.16	12.01
			Max. Vx	2	-27.08	-12.83	2630.69
L34	28.75 - 27.75	Pole	Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-87.08	-9.23	11.64
			Max. Mx	8	-41.25	-2647.15	12.12
			Max. My	2	-41.24	-12.94	2657.79
			Max. Vy	8	27.02	-2647.15	12.12
			Max. Vx	2	-27.13	-12.94	2657.79
L35	27.75 - 27.5	Pole	Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-87.22	-9.24	11.67
			Max. Mx	8	-41.35	-2653.91	12.15
			Max. My	2	-41.35	-12.97	2664.58
			Max. Vy	8	27.01	-2653.91	12.15
			Max. Vx	2	-27.12	-12.97	2664.58
L36	27.5 - 22.5	Pole	Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-89.99	-9.39	12.00
			Max. Mx	8	-43.25	-2789.82	12.68
			Max. My	2	-43.25	-13.53	2801.01
			Max. Vy	8	27.32	-2789.82	12.68
			Max. Vx	2	-27.43	-13.53	2801.01
L37	22.5 - 17.5	Pole	Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-92.69	-9.53	12.32
			Max. Mx	8	-45.18	-2927.13	13.21
			Max. My	2	-45.18	-14.08	2938.84
			Max. Vy	8	27.59	-2927.13	13.21
			Max. Vx	2	-27.69	-14.08	2938.84
L38	17.5 - 12.5	Pole	Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-95.40	-9.67	12.64
			Max. Mx	8	-47.13	-3065.71	13.74
			Max. My	2	-47.13	-14.64	3077.94
			Max. Vy	8	27.83	-3065.71	13.74
			Max. Vx	2	-27.93	-14.64	3077.94
L39	12.5 - 8.75	Pole	Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-97.43	-9.78	12.88
			Max. Mx	8	-48.61	-3170.43	14.14
			Max. My	2	-48.61	-15.05	3183.05
			Max. Vy	8	28.01	-3170.43	14.14
			Max. Vx	2	-28.11	-15.05	3183.05
L40	8.75 - 8.5	Pole	Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-97.56	-9.79	12.90
			Max. Mx	8	-48.72	-3177.43	14.17
			Max. My	2	-48.71	-15.08	3190.08
			Max. Vy	8	28.00	-3177.43	14.17
			Max. Vx	2	-28.11	-15.08	3190.08
L41	8.5 - 8.25	Pole	Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-97.70	-9.80	12.91
			Max. Mx	8	-48.82	-3184.44	14.19
			Max. My	2	-48.81	-15.11	3197.11
			Max. Vy	8	28.01	-3184.44	14.19
			Max. Vx	2	-28.12	-15.11	3197.11
L42	8.25 - 8	Pole	Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-97.82	-9.80	12.93
			Max. Mx	8	-48.91	-3191.45	14.22

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L43	8 - 3.25	Pole	Max. My	2	-48.91	-15.13	3204.15
			Max. Vy	8	28.02	-3191.45	14.22
			Max. Vx	2	-28.13	-15.13	3204.15
			Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-100.21	-9.94	13.22
			Max. Mx	8	-50.65	-3325.15	14.72
			Max. My	2	-50.64	-15.66	3338.33
			Max. Vy	8	28.24	-3325.15	14.72
			Max. Vx	2	-28.35	-15.66	3338.33
L44	3.25 - 3	Pole	Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-100.33	-9.95	13.24
			Max. Mx	8	-50.75	-3332.21	14.75
			Max. My	2	-50.74	-15.68	3345.42
			Max. Vy	8	28.23	-3332.21	14.75
			Max. Vx	2	-28.34	-15.68	3345.42
			Max. Torque	22			-1.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-101.73	-10.04	13.41
L45	3 - 0	Pole	Max. Mx	8	-51.81	-3417.12	15.06
			Max. My	2	-51.81	-16.01	3430.63
			Max. Vy	8	28.35	-3417.12	15.06
			Max. Vx	2	-28.45	-16.01	3430.63
			Max. Torque	22			-1.97

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	27	101.73	-0.02	9.90
	Max. H _x	21	38.87	28.32	-0.08
	Max. H _z	2	51.83	-0.08	28.43
	Max. M _x	2	3430.63	-0.08	28.43
	Max. M _z	8	3417.12	-28.32	0.08
	Max. Torsion	10	1.96	-24.91	-14.40
	Min. Vert	11	38.87	-24.91	-14.40
	Min. H _x	8	51.83	-28.32	0.08
	Min. H _z	14	51.83	0.08	-28.43
	Min. M _x	14	-3423.45	0.08	-28.43
	Min. M _z	20	-3408.05	28.32	-0.08
	Min. Torsion	22		24.91	14.40

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	43.19	0.00	-0.00	-2.92	-3.68	-0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	51.83	0.08	-28.43	-3430.63	-16.01	1.45
0.9 Dead+1.0 Wind 0 deg - No Ice	38.87	0.08	-28.43	-3364.40	-14.57	1.44
1.2 Dead+1.0 Wind 30 deg - No Ice	51.83	14.22	-24.66	-2977.21	-1718.16	0.57
0.9 Dead+1.0 Wind 30 deg - No Ice	38.87	14.22	-24.66	-2919.61	-1684.31	0.57
1.2 Dead+1.0 Wind 60 deg - No Ice	51.83	24.54	-14.28	-1727.06	-2961.19	-0.46
0.9 Dead+1.0 Wind 60 deg - No Ice	38.87	24.54	-14.28	-1693.28	-2903.68	-0.45

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
No Ice						
1.2 Dead+1.0 Wind 90 deg - No Ice	51.83	28.32	-0.08	-15.06	-3417.12	-1.37
0.9 Dead+1.0 Wind 90 deg - No Ice	38.87	28.32	-0.08	-13.88	-3350.90	-1.35
1.2 Dead+1.0 Wind 120 deg - No Ice	51.83	24.91	14.40	1742.16	-3022.69	-1.96
0.9 Dead+1.0 Wind 120 deg - No Ice	38.87	24.91	14.40	1709.76	-2963.84	-1.95
1.2 Dead+1.0 Wind 150 deg - No Ice	51.83	14.39	25.12	2995.54	-1719.62	-1.92
0.9 Dead+1.0 Wind 150 deg - No Ice	38.87	14.39	25.12	2939.64	-1685.91	-1.91
1.2 Dead+1.0 Wind 180 deg - No Ice	51.83	-0.08	28.43	3423.45	6.95	-1.44
0.9 Dead+1.0 Wind 180 deg - No Ice	38.87	-0.08	28.43	3359.13	7.93	-1.43
1.2 Dead+1.0 Wind 210 deg - No Ice	51.83	-14.22	24.66	2970.03	1709.08	-0.57
0.9 Dead+1.0 Wind 210 deg - No Ice	38.87	-14.22	24.66	2914.35	1677.66	-0.57
1.2 Dead+1.0 Wind 240 deg - No Ice	51.83	-24.54	14.28	1719.89	2952.11	0.45
0.9 Dead+1.0 Wind 240 deg - No Ice	38.87	-24.54	14.28	1688.02	2897.02	0.44
1.2 Dead+1.0 Wind 270 deg - No Ice	51.83	-28.32	0.08	7.90	3408.05	1.35
0.9 Dead+1.0 Wind 270 deg - No Ice	38.87	-28.32	0.08	8.63	3344.25	1.34
1.2 Dead+1.0 Wind 300 deg - No Ice	51.83	-24.91	-14.40	-1749.32	3013.64	1.97
0.9 Dead+1.0 Wind 300 deg - No Ice	38.87	-24.91	-14.40	-1715.02	2957.20	1.95
1.2 Dead+1.0 Wind 330 deg - No Ice	51.83	-14.39	-25.12	-3002.72	1710.57	1.94
0.9 Dead+1.0 Wind 330 deg - No Ice	38.87	-14.39	-25.12	-2944.90	1679.27	1.93
1.2 Dead+1.0 Ice+1.0 Temp	101.73	0.00	-0.00	-13.41	-10.04	-0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	101.73	0.02	-9.90	-1355.45	-12.57	0.43
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	101.73	4.95	-8.58	-1176.90	-681.07	0.13
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	101.73	8.55	-4.96	-686.61	-1169.79	-0.21
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	101.73	9.87	-0.02	-15.96	-1347.77	-0.50
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	101.73	8.56	4.95	658.24	-1172.33	-0.66
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	101.73	4.92	8.56	1147.45	-676.81	-0.62
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	101.73	-0.02	9.90	1328.47	-7.63	-0.43
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	101.73	-4.95	8.58	1149.92	660.88	-0.13
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	101.73	-8.55	4.96	659.63	1149.61	0.21
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	101.73	-9.87	0.02	-11.03	1327.59	0.49
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	101.73	-8.56	-4.95	-685.23	1152.14	0.66
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	101.73	-4.92	-8.56	-1174.44	656.61	0.62
Dead+Wind 0 deg - Service	43.19	0.02	-7.29	-872.89	-6.67	0.38
Dead+Wind 30 deg - Service	43.19	3.65	-6.32	-757.81	-438.75	0.15
Dead+Wind 60 deg - Service	43.19	6.29	-3.66	-440.46	-754.27	-0.12
Dead+Wind 90 deg - Service	43.19	7.26	-0.02	-5.89	-869.99	-0.36
Dead+Wind 120 deg - Service	43.19	6.39	3.69	440.20	-769.97	-0.52
Dead+Wind 150 deg - Service	43.19	3.69	6.44	758.36	-439.14	-0.51

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Service						
Dead+Wind 180 deg - Service	43.19	-0.02	7.29	866.94	-0.85	-0.38
Dead+Wind 210 deg - Service	43.19	-3.65	6.32	751.85	431.23	-0.15
Dead+Wind 240 deg - Service	43.19	-6.29	3.66	434.50	746.75	0.12
Dead+Wind 270 deg - Service	43.19	-7.26	0.02	-0.07	862.47	0.36
Dead+Wind 300 deg - Service	43.19	-6.39	-3.69	-446.16	762.45	0.52
Dead+Wind 330 deg - Service	43.19	-3.69	-6.44	-764.31	431.62	0.51

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.00	-43.19	0.00	-0.00	43.19	0.00	0.000%
2	0.08	-51.83	-28.43	-0.08	51.83	28.43	0.000%
3	0.08	-38.87	-28.43	-0.08	38.87	28.43	0.000%
4	14.22	-51.83	-24.66	-14.22	51.83	24.66	0.000%
5	14.22	-38.87	-24.66	-14.22	38.87	24.66	0.000%
6	24.54	-51.83	-14.28	-24.54	51.83	14.28	0.000%
7	24.54	-38.87	-14.28	-24.54	38.87	14.28	0.000%
8	28.32	-51.83	-0.08	-28.32	51.83	0.08	0.000%
9	28.32	-38.87	-0.08	-28.32	38.87	0.08	0.000%
10	24.91	-51.83	14.40	-24.91	51.83	-14.40	0.000%
11	24.91	-38.87	14.40	-24.91	38.87	-14.40	0.000%
12	14.39	-51.83	25.12	-14.39	51.83	-25.12	0.000%
13	14.39	-38.87	25.12	-14.39	38.87	-25.12	0.000%
14	-0.08	-51.83	28.43	0.08	51.83	-28.43	0.000%
15	-0.08	-38.87	28.43	0.08	38.87	-28.43	0.000%
16	-14.22	-51.83	24.66	14.22	51.83	-24.66	0.000%
17	-14.22	-38.87	24.66	14.22	38.87	-24.66	0.000%
18	-24.54	-51.83	14.28	24.54	51.83	-14.28	0.000%
19	-24.54	-38.87	14.28	24.54	38.87	-14.28	0.000%
20	-28.32	-51.83	0.08	28.32	51.83	-0.08	0.000%
21	-28.32	-38.87	0.08	28.32	38.87	-0.08	0.000%
22	-24.91	-51.83	-14.40	24.91	51.83	14.40	0.000%
23	-24.91	-38.87	-14.40	24.91	38.87	14.40	0.000%
24	-14.39	-51.83	-25.12	14.39	51.83	25.12	0.000%
25	-14.39	-38.87	-25.12	14.39	38.87	25.12	0.000%
26	0.00	-101.73	0.00	-0.00	101.73	0.00	0.000%
27	0.02	-101.73	-9.90	-0.02	101.73	9.90	0.000%
28	4.95	-101.73	-8.58	-4.95	101.73	8.58	0.000%
29	8.55	-101.73	-4.96	-8.55	101.73	4.96	0.000%
30	9.87	-101.73	-0.02	-9.87	101.73	0.02	0.000%
31	8.56	-101.73	4.95	-8.56	101.73	-4.95	0.000%
32	4.92	-101.73	8.56	-4.92	101.73	-8.56	0.000%
33	-0.02	-101.73	9.90	0.02	101.73	-9.90	0.000%
34	-4.95	-101.73	8.58	4.95	101.73	-8.58	0.000%
35	-8.55	-101.73	4.96	8.55	101.73	-4.96	0.000%
36	-9.87	-101.73	0.02	9.87	101.73	-0.02	0.000%
37	-8.56	-101.73	-4.95	8.56	101.73	4.95	0.000%
38	-4.92	-101.73	-8.56	4.92	101.73	8.56	0.000%
39	0.02	-43.19	-7.29	-0.02	43.19	7.29	0.000%
40	3.65	-43.19	-6.32	-3.65	43.19	6.32	0.000%
41	6.29	-43.19	-3.66	-6.29	43.19	3.66	0.000%
42	7.26	-43.19	-0.02	-7.26	43.19	0.02	0.000%
43	6.39	-43.19	3.69	-6.39	43.19	-3.69	0.000%
44	3.69	-43.19	6.44	-3.69	43.19	-6.44	0.000%
45	-0.02	-43.19	7.29	0.02	43.19	-7.29	0.000%
46	-3.65	-43.19	6.32	3.65	43.19	-6.32	0.000%
47	-6.29	-43.19	3.66	6.29	43.19	-3.66	0.000%

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
48	-7.26	-43.19	0.02	7.26	43.19	-0.02	0.000%
49	-6.39	-43.19	-3.69	6.39	43.19	3.69	0.000%
50	-3.69	-43.19	-6.44	3.69	43.19	6.44	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.0000001	0.00001673
2	Yes	6	0.0000001	0.00032490
3	Yes	6	0.0000001	0.00010824
4	Yes	7	0.0000001	0.00062702
5	Yes	7	0.0000001	0.00014399
6	Yes	7	0.0000001	0.00062594
7	Yes	7	0.0000001	0.00014379
8	Yes	6	0.0000001	0.00031041
9	Yes	6	0.0000001	0.00010351
10	Yes	7	0.0000001	0.00061986
11	Yes	7	0.0000001	0.00014003
12	Yes	7	0.0000001	0.00063724
13	Yes	7	0.0000001	0.00014699
14	Yes	6	0.0000001	0.00020477
15	Yes	6	0.0000001	0.00006721
16	Yes	7	0.0000001	0.00061328
17	Yes	7	0.0000001	0.00014089
18	Yes	7	0.0000001	0.00061356
19	Yes	7	0.0000001	0.00014105
20	Yes	6	0.0000001	0.00019162
21	Yes	5	0.0000001	0.00094553
22	Yes	7	0.0000001	0.00065322
23	Yes	7	0.0000001	0.00014910
24	Yes	7	0.0000001	0.00060357
25	Yes	7	0.0000001	0.00013796
26	Yes	5	0.0000001	0.00087434
27	Yes	8	0.0000001	0.00068617
28	Yes	9	0.0000001	0.00028661
29	Yes	9	0.0000001	0.00028696
30	Yes	8	0.0000001	0.00068381
31	Yes	9	0.0000001	0.00027317
32	Yes	9	0.0000001	0.00027783
33	Yes	8	0.0000001	0.00066832
34	Yes	9	0.0000001	0.00026765
35	Yes	9	0.0000001	0.00026689
36	Yes	8	0.0000001	0.00066763
37	Yes	9	0.0000001	0.00028155
38	Yes	9	0.0000001	0.00027217
39	Yes	5	0.0000001	0.00029213
40	Yes	6	0.0000001	0.00014024
41	Yes	6	0.0000001	0.00013953
42	Yes	5	0.0000001	0.00028497
43	Yes	6	0.0000001	0.00013476
44	Yes	6	0.0000001	0.00014510
45	Yes	5	0.0000001	0.00027434
46	Yes	6	0.0000001	0.00013009
47	Yes	6	0.0000001	0.00013020
48	Yes	5	0.0000001	0.00026713
49	Yes	6	0.0000001	0.00015225
50	Yes	6	0.0000001	0.00012678

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	168 - 163	42.154	43	2.2253	0.0052
L2	163 - 158	39.826	43	2.2233	0.0052
L3	158 - 153	37.502	43	2.2150	0.0051
L4	153 - 148	35.187	43	2.2062	0.0051
L5	148 - 143	32.888	43	2.1852	0.0051
L6	143 - 138	30.616	43	2.1523	0.0049
L7	138 - 133	28.388	43	2.1034	0.0046
L8	133 - 128	26.217	43	2.0412	0.0043
L9	128 - 123	24.118	43	1.9678	0.0041
L10	123 - 116.5	22.102	43	1.8821	0.0038
L11	120.25 - 115.25	21.033	43	1.8303	0.0036
L12	115.25 - 110.25	19.141	43	1.7758	0.0033
L13	110.25 - 105.25	17.328	43	1.6865	0.0030
L14	105.25 - 100.25	15.612	43	1.5905	0.0026
L15	100.25 - 95.25	14.000	43	1.4890	0.0023
L16	95.25 - 91.5	12.496	43	1.3828	0.0020
L17	91.5 - 91.25	11.442	43	1.3008	0.0018
L18	91.25 - 86.25	11.374	43	1.2953	0.0018
L19	86.25 - 80.25	10.076	43	1.1831	0.0015
L20	84.75 - 79.25	9.710	43	1.1490	0.0015
L21	79.25 - 74.25	8.421	43	1.0822	0.0013
L22	74.25 - 69.75	7.339	43	0.9842	0.0011
L23	69.75 - 69.5	6.453	43	0.8953	0.0010
L24	69.5 - 64.5	6.406	43	0.8921	0.0010
L25	64.5 - 59.5	5.506	43	0.8275	0.0009
L26	59.5 - 54.5	4.674	43	0.7611	0.0008
L27	54.5 - 53.75	3.912	43	0.6948	0.0007
L28	53.75 - 53.5	3.803	43	0.6849	0.0007
L29	53.5 - 48.5	3.768	43	0.6816	0.0007
L30	48.5 - 39.75	3.089	43	0.6154	0.0006
L31	45 - 38.75	2.655	43	0.5687	0.0005
L32	38.75 - 33.75	1.942	43	0.5120	0.0005
L33	33.75 - 28.75	1.451	43	0.4263	0.0004
L34	28.75 - 27.75	1.049	43	0.3413	0.0003
L35	27.75 - 27.5	0.979	43	0.3245	0.0003
L36	27.5 - 22.5	0.962	43	0.3217	0.0003
L37	22.5 - 17.5	0.654	43	0.2662	0.0002
L38	17.5 - 12.5	0.405	43	0.2101	0.0002
L39	12.5 - 8.75	0.214	43	0.1546	0.0001
L40	8.75 - 8.5	0.109	43	0.1134	0.0001
L41	8.5 - 8.25	0.103	43	0.1107	0.0001
L42	8.25 - 8	0.097	43	0.1079	0.0001
L43	8 - 3.25	0.092	43	0.1049	0.0001
L44	3.25 - 3	0.016	43	0.0471	0.0000
L45	3 - 0	0.014	43	0.0435	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
170.0000	Lightning Rod 5/8x4'	43	42.154	2.2253	0.0052	57378
166.0000	APX16PV-16PVL-E w/ Mount Pipe	43	41.222	2.2251	0.0052	57378
157.0000	AIR6449 B41_T-MOBILE w/ Mount Pipe	43	37.038	2.2135	0.0051	31562
145.0000	(2) LPA-80080/6CF w/ Mount Pipe	43	31.521	2.1671	0.0050	8198
130.0000	MX08FRO665-21 w/ Mount Pipe	43	24.949	1.9983	0.0042	3875
120.0000	7770.00 w/ Mount Pipe	43	20.937	1.8266	0.0036	4180
102.0000	APXV18-206517S-C w/ Mount Pipe	43	14.552	1.5252	0.0024	2810
74.0000	KS24019-L112A	43	7.287	0.9785	0.0011	2915

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	168 - 163	165.599	10	8.7779	0.0197
L2	163 - 158	156.472	10	8.7702	0.0197
L3	158 - 153	147.364	10	8.7381	0.0195
L4	153 - 148	138.288	10	8.7036	0.0194
L5	148 - 143	129.273	10	8.6211	0.0193
L6	143 - 138	120.365	10	8.4913	0.0187
L7	138 - 133	111.624	10	8.2985	0.0175
L8	133 - 128	103.109	10	8.0533	0.0165
L9	128 - 123	94.869	10	7.7634	0.0154
L10	123 - 116.5	86.953	10	7.4253	0.0143
L11	120.25 - 115.25	82.754	10	7.2207	0.0137
L12	115.25 - 110.25	75.322	10	7.0053	0.0127
L13	110.25 - 105.25	68.198	10	6.6531	0.0112
L14	105.25 - 100.25	61.452	10	6.2740	0.0099
L15	100.25 - 95.25	55.111	10	5.8731	0.0087
L16	95.25 - 91.5	49.196	10	5.4540	0.0076
L17	91.5 - 91.25	45.049	10	5.1300	0.0068
L18	91.25 - 86.25	44.782	10	5.1082	0.0068
L19	86.25 - 80.25	39.674	10	4.6654	0.0058
L20	84.75 - 79.25	38.232	10	4.5306	0.0055
L21	79.25 - 74.25	33.156	10	4.2672	0.0050
L22	74.25 - 69.75	28.896	10	3.8801	0.0043
L23	69.75 - 69.5	25.409	10	3.5291	0.0037
L24	69.5 - 64.5	25.224	10	3.5164	0.0037
L25	64.5 - 59.5	21.679	10	3.2614	0.0033
L26	59.5 - 54.5	18.404	10	2.9996	0.0030
L27	54.5 - 53.75	15.402	10	2.7378	0.0026
L28	53.75 - 53.5	14.975	10	2.6988	0.0026
L29	53.5 - 48.5	14.834	10	2.6857	0.0026
L30	48.5 - 39.75	12.160	10	2.4247	0.0022
L31	45 - 38.75	10.451	10	2.2403	0.0020
L32	38.75 - 33.75	7.644	10	2.0169	0.0018
L33	33.75 - 28.75	5.710	10	1.6790	0.0014
L34	28.75 - 27.75	4.127	10	1.3440	0.0011
L35	27.75 - 27.5	3.853	10	1.2778	0.0011
L36	27.5 - 22.5	3.786	10	1.2668	0.0010
L37	22.5 - 17.5	2.575	10	1.0480	0.0008
L38	17.5 - 12.5	1.593	10	0.8269	0.0006
L39	12.5 - 8.75	0.842	10	0.6083	0.0005
L40	8.75 - 8.5	0.428	10	0.4462	0.0003
L41	8.5 - 8.25	0.405	10	0.4354	0.0003
L42	8.25 - 8	0.382	10	0.4247	0.0003
L43	8 - 3.25	0.360	10	0.4127	0.0003
L44	3.25 - 3	0.063	10	0.1854	0.0001
L45	3 - 0	0.054	10	0.1711	0.0001

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
170.0000	Lightning Rod 5/8x4'	10	165.599	8.7779	0.0197	15618
166.0000	APX16PV-16PVL-E w/ Mount Pipe	10	161.947	8.7772	0.0197	15618
157.0000	AIR6449 B41_T-MOBILE w/ Mount Pipe	10	145.545	8.7323	0.0195	8528
145.0000	(2) LPA-80080/6CF w/ Mount Pipe	10	123.912	8.5499	0.0190	2183
130.0000	MX08FRO665-21 w/ Mount Pipe	10	98.129	7.8838	0.0158	1023

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
120.0000	7770.00 w/ Mount Pipe	10	82.377	7.2059	0.0137	1097
102.0000	APXV18-206517S-C w/ Mount Pipe	10	57.283	6.0164	0.0091	729
74.0000	KS24019-L112A	10	28.694	3.8575	0.0043	746

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L1	168 - 163 (1)	TP14x14x0.25	5.0000	0.0000	0.0	10.799 2	-0.45	340.18	0.001
L2	163 - 158 (2)	TP14x14x0.25	5.0000	0.0000	0.0	10.799 2	-0.70	340.18	0.002
L3	158 - 153 (3)	TP22.8601x22x0.1875	5.0000	0.0000	0.0	13.493 0	-5.60	789.34	0.007
L4	153 - 148 (4)	TP23.7202x22.8601x0.18 75	5.0000	0.0000	0.0	14.004 9	-5.98	819.29	0.007
L5	148 - 143 (5)	TP24.5804x23.7202x0.18 75	5.0000	0.0000	0.0	14.516 8	-9.55	849.23	0.011
L6	143 - 138 (6)	TP25.4405x24.5804x0.18 75	5.0000	0.0000	0.0	15.028 7	-10.01	879.18	0.011
L7	138 - 133 (7)	TP26.3006x25.4405x0.18 75	5.0000	0.0000	0.0	15.540 6	-10.49	909.12	0.012
L8	133 - 128 (8)	TP27.1607x26.3006x0.18 75	5.0000	0.0000	0.0	16.052 4	-13.81	939.07	0.015
L9	128 - 123 (9)	TP28.0208x27.1607x0.18 75	5.0000	0.0000	0.0	16.564 3	-14.38	969.01	0.015
L10	123 - 116.5 (10)	TP29.139x28.0208x0.187 5	6.5000	0.0000	0.0	16.845 9	-14.71	985.48	0.015
L11	116.5 - 115.25 (11)	TP28.979x28.1189x0.25	5.0000	0.0000	0.0	22.796 5	-18.40	1333.60	0.014
L12	115.25 - 110.25 (12)	TP29.8392x28.979x0.25	5.0000	0.0000	0.0	23.479 0	-19.21	1373.52	0.014
L13	110.25 - 105.25 (13)	TP30.6993x29.8392x0.25	5.0000	0.0000	0.0	24.161 5	-20.04	1413.45	0.014
L14	105.25 - 100.25 (14)	TP31.5595x30.6993x0.25	5.0000	0.0000	0.0	24.844 1	-21.06	1453.38	0.014
L15	100.25 - 95.25 (15)	TP32.4196x31.5595x0.25	5.0000	0.0000	0.0	25.526 6	-21.97	1493.30	0.015
L16	95.25 - 91.5 (16)	TP33.0647x32.4196x0.25	3.7500	0.0000	0.0	26.038 5	-22.66	1523.25	0.015
L17	91.5 - 91.25 (17)	TP33.1077x33.0647x0.25	0.2500	0.0000	0.0	26.072 6	-22.73	1525.25	0.015
L18	91.25 - 86.25 (18)	TP33.9678x33.1077x0.25	5.0000	0.0000	0.0	26.755 1	-23.67	1565.17	0.015
L19	86.25 - 80.25 (19)	TP35x33.9678x0.25	6.0000	0.0000	0.0	26.959 9	-23.95	1577.15	0.015
L20	80.25 - 79.25 (20)	TP34.672x33.7259x0.312 5	5.5000	0.0000	0.0	34.080 3	-25.58	1993.70	0.013
L21	79.25 - 74.25 (21)	TP35.5321x34.672x0.312 5	5.0000	0.0000	0.0	34.933 5	-26.69	2043.61	0.013
L22	74.25 - 69.75 (22)	TP36.3063x35.5321x0.31 25	4.5000	0.0000	0.0	35.701 3	-27.74	2088.53	0.013
L23	69.75 - 69.5 (23)	TP36.3493x36.3063x0.48 75	0.2500	0.0000	0.0	55.489 8	-27.83	3246.15	0.009
L24	69.5 - 64.5 (24)	TP37.2094x36.3493x0.48 75	5.0000	0.0000	0.0	56.820 7	-29.28	3324.01	0.009
L25	64.5 - 59.5 (25)	TP38.0695x37.2094x0.47 5	5.0000	0.0000	0.0	56.679 4	-30.76	3315.74	0.009

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
L26	59.5 - 54.5 (26)	TP38.9296x38.0695x0.47 5	5.0000	0.0000	0.0	57.976 1	-32.26	3391.60	0.010
L27	54.5 - 53.75 (27)	TP39.0587x38.9296x0.47 5	0.7500	0.0000	0.0	58.170 6	-32.49	3402.98	0.010
L28	53.75 - 53.5 (28)	TP39.1017x39.0587x0.47 5	0.2500	0.0000	0.0	58.235 5	-32.58	3406.78	0.010
L29	53.5 - 48.5 (29)	TP39.9618x39.1017x0.47 5	5.0000	0.0000	0.0	59.532 2	-34.10	3482.64	0.010
L30	48.5 - 39.75 (30)	TP41.467x39.9618x0.468 8	8.7500	0.0000	0.0	59.654 0	-35.18	3489.76	0.010
L31	39.75 - 38.75 (31)	TP41.014x39.9389x0.375	6.2500	0.0000	0.0	48.370 6	-38.07	2829.68	0.013
L32	38.75 - 33.75 (32)	TP41.8742x41.014x0.375	5.0000	0.0000	0.0	49.394 4	-39.49	2889.57	0.014
L33	33.75 - 28.75 (33)	TP42.7343x41.8742x0.37 5	5.0000	0.0000	0.0	50.418 1	-40.93	2949.46	0.014
L34	28.75 - 27.75 (34)	TP42.9063x42.7343x0.37 5	1.0000	0.0000	0.0	50.622 9	-41.22	2961.44	0.014
L35	27.75 - 27.5 (35)	TP42.9493x42.9063x0.57 5	0.2500	0.0000	0.0	77.335 2	-41.33	4524.11	0.009
L36	27.5 - 22.5 (36)	TP43.8094x42.9493x0.57 5	5.0000	0.0000	0.0	78.905 0	-43.23	4615.94	0.009
L37	22.5 - 17.5 (37)	TP44.6696x43.8094x0.56 25	5.0000	0.0000	0.0	78.747 6	-45.16	4606.74	0.010
L38	17.5 - 12.5 (38)	TP45.5297x44.6696x0.56 25	5.0000	0.0000	0.0	80.283 3	-47.12	4696.57	0.010
L39	12.5 - 8.75 (39)	TP46.1748x45.5297x0.56 25	3.7500	0.0000	0.0	81.435 0	-48.60	4763.95	0.010
L40	8.75 - 8.5 (40)	TP46.2178x46.1748x0.56 25	0.2500	0.0000	0.0	81.511 8	-48.71	4768.44	0.010
L41	8.5 - 8.25 (41)	TP46.2608x46.2178x0.56 25	0.2500	0.0000	0.0	81.588 6	-48.81	4772.93	0.010
L42	8.25 - 8 (42)	TP46.3038x46.2608x0.5	0.2500	0.0000	0.0	72.690 6	-48.90	4252.40	0.011
L43	8 - 3.25 (43)	TP47.1209x46.3038x0.5	4.7500	0.0000	0.0	73.987 4	-50.64	4328.26	0.012
L44	3.25 - 3 (44)	TP47.1639x47.1209x0.41 25	0.2500	0.0000	0.0	61.210 5	-50.74	3580.81	0.014
L45	3 - 0 (45)	TP47.68x47.1639x0.4125	3.0000	0.0000	0.0	61.886 2	-51.81	3620.34	0.014

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{nx} kip-ft	Ratio M _{ux} φM _{nx}	M _{uy} kip-ft	φM _{ny} kip-ft	Ratio M _{uy} φM _{ny}
L1	168 - 163 (1)	TP14x14x0.25	3.38	124.09	0.027	0.00	124.09	0.000
L2	163 - 158 (2)	TP14x14x0.25	8.52	124.09	0.069	0.00	124.09	0.000
L3	158 - 153 (3)	TP22.8601x22x0.1875	36.58	436.89	0.084	0.00	436.89	0.000
L4	153 - 148 (4)	TP23.7202x22.8601x0.18 75	71.88	465.02	0.155	0.00	465.02	0.000
L5	148 - 143 (5)	TP24.5804x23.7202x0.18 75	125.09	493.55	0.253	0.00	493.55	0.000
L6	143 - 138 (6)	TP25.4405x24.5804x0.18 75	187.77	522.43	0.359	0.00	522.43	0.000
L7	138 - 133 (7)	TP26.3006x25.4405x0.18 75	252.48	551.62	0.458	0.00	551.62	0.000
L8	133 - 128 (8)	TP27.1607x26.3006x0.18 75	325.80	581.08	0.561	0.00	581.08	0.000
L9	128 - 123 (9)	TP28.0208x27.1607x0.18 75	411.13	610.75	0.673	0.00	610.75	0.000
L10	123 - 116.5 (10)	TP29.139x28.0208x0.187 5	458.86	627.14	0.732	0.00	627.14	0.000
L11	116.5 - 115.25 (11)	TP28.979x28.1189x0.25	562.74	949.95	0.592	0.00	949.95	0.000

Section No.	Elevation ft	Size	M_{ux}	ϕM_{nx}	Ratio	M_{uy}	ϕM_{ny}	Ratio
			kip-ft	kip-ft	$\frac{M_{ux}}{\phi M_{nx}}$		kip-ft	kip-ft
L12	115.25 - 110.25 (12)	TP29.8392x28.979x0.25	669.20	998.78	0.670	0.00	998.78	0.000
L13	110.25 - 105.25 (13)	TP30.6993x29.8392x0.25	777.46	1048.25	0.742	0.00	1048.25	0.000
L14	105.25 - 100.25 (14)	TP31.5595x30.6993x0.25	888.09	1098.31	0.809	0.00	1098.31	0.000
L15	100.25 - 95.25 (15)	TP32.4196x31.5595x0.25	1001.57	1148.90	0.872	0.00	1148.90	0.000
L16	95.25 - 91.5 (16)	TP33.0647x32.4196x0.25	1087.74	1187.18	0.916	0.00	1187.18	0.000
L17	91.5 - 91.25 (17)	TP33.1077x33.0647x0.25	1093.52	1189.73	0.919	0.00	1189.73	0.000
L18	91.25 - 86.25 (18)	TP33.9678x33.1077x0.25	1209.86	1241.18	0.975	0.00	1241.18	0.000
L19	86.25 - 80.25 (19)	TP35x33.9678x0.25	1245.06	1256.70	0.991	0.00	1256.70	0.000
L20	80.25 - 79.25 (20)	TP34.672x33.7259x0.3125	1375.74	1720.08	0.800	0.00	1720.08	0.000
L21	79.25 - 74.25 (21)	TP35.5321x34.672x0.3125	1496.47	1794.71	0.834	0.00	1794.71	0.000
L22	74.25 - 69.75 (22)	TP36.3063x35.5321x0.3125	1606.74	1862.63	0.863	0.00	1862.63	0.000
L23	69.75 - 69.5 (23)	TP36.3493x36.3063x0.4875	1612.91	3022.97	0.534	0.00	3022.97	0.000
L24	69.5 - 64.5 (24)	TP37.2094x36.3493x0.4875	1737.21	3170.71	0.548	0.00	3170.71	0.000
L25	64.5 - 59.5 (25)	TP38.0695x37.2094x0.475	1863.43	3240.03	0.575	0.00	3240.03	0.000
L26	59.5 - 54.5 (26)	TP38.9296x38.0695x0.475	1991.50	3390.93	0.587	0.00	3390.93	0.000
L27	54.5 - 53.75 (27)	TP39.0587x38.9296x0.475	2010.87	3413.86	0.589	0.00	3413.86	0.000
L28	53.75 - 53.5 (28)	TP39.1017x39.0587x0.475	2017.33	3421.52	0.590	0.00	3421.52	0.000
L29	53.5 - 48.5 (29)	TP39.9618x39.1017x0.475	2147.56	3576.54	0.600	0.00	3576.54	0.000
L30	48.5 - 39.75 (30)	TP41.467x39.9618x0.4688	2239.74	3640.28	0.615	0.00	3640.28	0.000
L31	39.75 - 38.75 (31)	TP41.014x39.9389x0.375	2406.80	2898.99	0.830	0.00	2898.99	0.000
L32	38.75 - 33.75 (32)	TP41.8742x41.014x0.375	2542.25	3005.58	0.846	0.00	3005.58	0.000
L33	33.75 - 28.75 (33)	TP42.7343x41.8742x0.375	2678.88	3113.28	0.860	0.00	3113.28	0.000
L34	28.75 - 27.75 (34)	TP42.9063x42.7343x0.375	2706.32	3134.96	0.863	0.00	3134.96	0.000
L35	27.75 - 27.5 (35)	TP42.9493x42.9063x0.575	2713.20	4978.27	0.545	0.00	4978.27	0.000
L36	27.5 - 22.5 (36)	TP43.8094x42.9493x0.575	2851.40	5183.80	0.550	0.00	5183.80	0.000
L37	22.5 - 17.5 (37)	TP44.6696x43.8094x0.5625	2990.99	5280.73	0.566	0.00	5280.73	0.000
L38	17.5 - 12.5 (38)	TP45.5297x44.6696x0.5625	3131.83	5490.02	0.570	0.00	5490.02	0.000
L39	12.5 - 8.75 (39)	TP46.1748x45.5297x0.5625	3238.23	5649.66	0.573	0.00	5649.66	0.000
L40	8.75 - 8.5 (40)	TP46.2178x46.1748x0.5625	3245.35	5660.38	0.573	0.00	5660.38	0.000
L41	8.5 - 8.25 (41)	TP46.2608x46.2178x0.5625	3252.47	5671.12	0.574	0.00	5671.12	0.000
L42	8.25 - 8 (42)	TP46.3038x46.2608x0.5	3259.59	5071.27	0.643	0.00	5071.27	0.000
L43	8 - 3.25 (43)	TP47.1209x46.3038x0.5	3395.40	5254.82	0.646	0.00	5254.82	0.000
L44	3.25 - 3 (44)	TP47.1639x47.1209x0.4125	3402.57	4167.59	0.816	0.00	4167.59	0.000
L45	3 - 0 (45)	TP47.68x47.1639x0.4125	3488.81	4246.51	0.822	0.00	4246.51	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	168 - 163 (1)	TP14x14x0.25	0.79	102.05	0.008	0.00	123.37	0.000
L2	163 - 158 (2)	TP14x14x0.25	1.25	102.05	0.012	0.07	123.37	0.001
L3	158 - 153 (3)	TP22.8601x22x0.1875	6.84	236.80	0.029	0.07	470.19	0.000
L4	153 - 148 (4)	TP23.7202x22.8601x0.1875	7.26	245.79	0.030	0.07	506.54	0.000
L5	148 - 143 (5)	TP24.5804x23.7202x0.1875	12.33	254.77	0.048	0.77	544.24	0.001
L6	143 - 138 (6)	TP25.4405x24.5804x0.1875	12.73	263.75	0.048	0.77	583.30	0.001
L7	138 - 133 (7)	TP26.3006x25.4405x0.1875	13.14	272.74	0.048	0.77	623.71	0.001
L8	133 - 128 (8)	TP27.1607x26.3006x0.1875	16.88	281.72	0.060	0.98	665.47	0.001
L9	128 - 123 (9)	TP28.0208x27.1607x0.1875	17.25	290.70	0.059	0.98	708.59	0.001
L10	123 - 116.5 (10)	TP29.139x28.0208x0.1875	17.45	295.64	0.059	0.98	732.88	0.001
L11	116.5 - 115.25 (11)	TP28.979x28.1189x0.25	21.11	400.08	0.053	2.00	1006.58	0.002
L12	115.25 - 110.25 (12)	TP29.8392x28.979x0.25	21.48	412.06	0.052	2.00	1067.75	0.002
L13	110.25 - 105.25 (13)	TP30.6993x29.8392x0.25	21.83	424.04	0.051	2.00	1130.73	0.002
L14	105.25 - 100.25 (14)	TP31.5595x30.6993x0.25	22.54	436.01	0.052	2.00	1195.52	0.002
L15	100.25 - 95.25 (15)	TP32.4196x31.5595x0.25	22.87	447.99	0.051	2.00	1262.10	0.002
L16	95.25 - 91.5 (16)	TP33.0647x32.4196x0.25	23.11	456.98	0.051	1.99	1313.23	0.002
L17	91.5 - 91.25 (17)	TP33.1077x33.0647x0.25	23.12	457.57	0.051	1.99	1316.68	0.002
L18	91.25 - 86.25 (18)	TP33.9678x33.1077x0.25	23.43	469.55	0.050	1.99	1386.51	0.001
L19	86.25 - 80.25 (19)	TP35x33.9678x0.25	23.53	473.15	0.050	1.99	1407.82	0.001
L20	80.25 - 79.25 (20)	TP34.672x33.7259x0.3125	23.99	598.11	0.040	1.99	1799.73	0.001
L21	79.25 - 74.25 (21)	TP35.5321x34.672x0.3125	24.31	613.08	0.040	1.99	1890.97	0.001
L22	74.25 - 69.75 (22)	TP36.3063x35.5321x0.3125	24.66	626.56	0.039	1.97	1975.01	0.001
L23	69.75 - 69.5 (23)	TP36.3493x36.3063x0.4875	24.67	973.85	0.025	1.97	3058.45	0.001
L24	69.5 - 64.5 (24)	TP37.2094x36.3493x0.4875	25.06	997.20	0.025	1.97	3206.93	0.001
L25	64.5 - 59.5 (25)	TP38.0695x37.2094x0.475	25.44	994.72	0.026	1.97	3274.97	0.001
L26	59.5 - 54.5 (26)	TP38.9296x38.0695x0.475	25.80	1017.48	0.025	1.97	3426.53	0.001
L27	54.5 - 53.75 (27)	TP39.0587x38.9296x0.475	25.85	1020.89	0.025	1.97	3449.57	0.001
L28	53.75 - 53.5 (28)	TP39.1017x39.0587x0.475	25.87	1022.03	0.025	1.97	3457.26	0.001
L29	53.5 - 48.5 (29)	TP39.9618x39.1017x0.475	26.23	1044.79	0.025	1.97	3612.94	0.001
L30	48.5 - 39.75 (30)	TP41.467x39.9618x0.4688	26.46	1046.93	0.025	1.97	3676.11	0.001
L31	39.75 - 38.75 (31)	TP41.014x39.9389x0.375	26.98	848.90	0.032	1.97	3021.22	0.001
L32	38.75 - 33.75 (32)	TP41.8742x41.014x0.375	27.22	866.87	0.031	1.97	3150.46	0.001
L33	33.75 - 28.75 (33)	TP42.7343x41.8742x0.375	27.45	884.84	0.031	1.96	3282.41	0.001
L34	28.75 - 27.75 (34)	TP42.9063x42.7343x0.375	27.49	888.43	0.031	1.96	3309.13	0.001
L35	27.75 - 27.5	TP42.9493x42.9063x0.57	27.49	1357.23	0.020	1.96	5036.60	0.000

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio V_u ϕV_n	Actual T_u kip-ft	ϕT_n kip-ft	Ratio T_u ϕT_n
L36	(35) 27.5 - 22.5	5 TP43.8094x42.9493x0.57	27.79	1384.78	0.020	1.96	5243.14	0.000
L37	(36) 22.5 - 17.5	5 TP44.6696x43.8094x0.56	28.06	1382.02	0.020	1.96	5338.30	0.000
L38	(37) 17.5 - 12.5	25 TP45.5297x44.6696x0.56	28.29	1408.97	0.020	1.96	5548.53	0.000
L39	(38) 12.5 - 8.75	25 TP46.1748x45.5297x0.56	28.47	1429.18	0.020	1.96	5708.87	0.000
L40	(39) 8.75 - 8.5 (40)	25 TP46.2178x46.1748x0.56	28.46	1430.53	0.020	1.96	5719.64	0.000
L41	8.5 - 8.25 (41)	25 TP46.2608x46.2178x0.56	28.48	1431.88	0.020	1.96	5730.42	0.000
L42	8.25 - 8 (42)	TP46.3038x46.2608x0.5	28.49	1275.72	0.022	1.96	5117.26	0.000
L43	8 - 3.25 (43)	TP47.1209x46.3038x0.5	28.70	1298.48	0.022	1.96	5301.47	0.000
L44	3.25 - 3 (44)	25 TP47.1639x47.1209x0.41	28.69	1074.24	0.027	1.96	4398.23	0.000
L45	3 - 0 (45)	25 TP47.68x47.1639x0.4125	28.80	1086.10	0.027	1.96	4495.87	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	168 - 163 (1)	0.001	0.027	0.000	0.008	0.000	0.029	1.050	4.8.2
L2	163 - 158 (2)	0.002	0.069	0.000	0.012	0.001	0.071	1.050	4.8.2
L3	158 - 153 (3)	0.007	0.084	0.000	0.029	0.000	0.092	1.050	4.8.2
L4	153 - 148 (4)	0.007	0.155	0.000	0.030	0.000	0.163	1.050	4.8.2
L5	148 - 143 (5)	0.011	0.253	0.000	0.048	0.001	0.267	1.050	4.8.2
L6	143 - 138 (6)	0.011	0.359	0.000	0.048	0.001	0.373	1.050	4.8.2
L7	138 - 133 (7)	0.012	0.458	0.000	0.048	0.001	0.472	1.050	4.8.2
L8	133 - 128 (8)	0.015	0.561	0.000	0.060	0.001	0.579	1.050	4.8.2
L9	128 - 123 (9)	0.015	0.673	0.000	0.059	0.001	0.692	1.050	4.8.2
L10	123 - 116.5 (10)	0.015	0.732	0.000	0.059	0.001	0.750	1.050	4.8.2
L11	116.5 - 115.25 (11)	0.014	0.592	0.000	0.053	0.002	0.609	1.050	4.8.2
L12	115.25 - 110.25 (12)	0.014	0.670	0.000	0.052	0.002	0.687	1.050	4.8.2
L13	110.25 - 105.25 (13)	0.014	0.742	0.000	0.051	0.002	0.759	1.050	4.8.2
L14	105.25 - 100.25 (14)	0.014	0.809	0.000	0.052	0.002	0.826	1.050	4.8.2
L15	100.25 - 95.25 (15)	0.015	0.872	0.000	0.051	0.002	0.889	1.050	4.8.2
L16	95.25 - 91.5 (16)	0.015	0.916	0.000	0.051	0.002	0.934	1.050	4.8.2
L17	91.5 - 91.25 (17)	0.015	0.919	0.000	0.051	0.002	0.937	1.050	4.8.2
L18	91.25 - 86.25 (18)	0.015	0.975	0.000	0.050	0.001	0.993	1.050	4.8.2
L19	86.25 - 80.25 (19)	0.015	0.991	0.000	0.050	0.001	1.009	1.050	4.8.2
L20	80.25 - 79.25 (20)	0.013	0.800	0.000	0.040	0.001	0.814	1.050	4.8.2
L21	79.25 - 74.25 (21)	0.013	0.834	0.000	0.040	0.001	0.849	1.050	4.8.2
L22	74.25 - 69.75 (22)	0.013	0.863	0.000	0.039	0.001	0.878	1.050	4.8.2
L23	69.75 - 69.5 (23)	0.009	0.534	0.000	0.025	0.001	0.543	1.050	4.8.2
L24	69.5 - 64.5 (24)	0.009	0.548	0.000	0.025	0.001	0.557	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			
L25	64.5 - 59.5 (25)	0.009	0.575	0.000	0.026	0.001	0.585	1.050	4.8.2
L26	59.5 - 54.5 (26)	0.010	0.587	0.000	0.025	0.001	0.597	1.050	4.8.2
L27	54.5 - 53.75 (27)	0.010	0.589	0.000	0.025	0.001	0.599	1.050	4.8.2
L28	53.75 - 53.5 (28)	0.010	0.590	0.000	0.025	0.001	0.600	1.050	4.8.2
L29	53.5 - 48.5 (29)	0.010	0.600	0.000	0.025	0.001	0.611	1.050	4.8.2
L30	48.5 - 39.75 (30)	0.010	0.615	0.000	0.025	0.001	0.626	1.050	4.8.2
L31	39.75 - 38.75 (31)	0.013	0.830	0.000	0.032	0.001	0.845	1.050	4.8.2
L32	38.75 - 33.75 (32)	0.014	0.846	0.000	0.031	0.001	0.861	1.050	4.8.2
L33	33.75 - 28.75 (33)	0.014	0.860	0.000	0.031	0.001	0.875	1.050	4.8.2
L34	28.75 - 27.75 (34)	0.014	0.863	0.000	0.031	0.001	0.878	1.050	4.8.2
L35	27.75 - 27.5 (35)	0.009	0.545	0.000	0.020	0.000	0.555	1.050	4.8.2
L36	27.5 - 22.5 (36)	0.009	0.550	0.000	0.020	0.000	0.560	1.050	4.8.2
L37	22.5 - 17.5 (37)	0.010	0.566	0.000	0.020	0.000	0.577	1.050	4.8.2
L38	17.5 - 12.5 (38)	0.010	0.570	0.000	0.020	0.000	0.581	1.050	4.8.2
L39	12.5 - 8.75 (39)	0.010	0.573	0.000	0.020	0.000	0.584	1.050	4.8.2
L40	8.75 - 8.5 (40)	0.010	0.573	0.000	0.020	0.000	0.584	1.050	4.8.2
L41	8.5 - 8.25 (41)	0.010	0.574	0.000	0.020	0.000	0.584	1.050	4.8.2
L42	8.25 - 8 (42)	0.011	0.643	0.000	0.022	0.000	0.655	1.050	4.8.2
L43	8 - 3.25 (43)	0.012	0.646	0.000	0.022	0.000	0.658	1.050	4.8.2
L44	3.25 - 3 (44)	0.014	0.816	0.000	0.027	0.000	0.831	1.050	4.8.2
L45	3 - 0 (45)	0.014	0.822	0.000	0.027	0.000	0.837	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	168 - 163	Pole	TP14x14x0.25	1	-0.45	357.18	2.7	Pass
L2	163 - 158	Pole	TP14x14x0.25	2	-0.70	357.18	6.8	Pass
L3	158 - 153	Pole	TP22.8601x22x0.1875	3	-5.60	828.81	8.7	Pass
L4	153 - 148	Pole	TP23.7202x22.8601x0.1875	4	-5.98	860.25	15.5	Pass
L5	148 - 143	Pole	TP24.5804x23.7202x0.1875	5	-9.55	891.69	25.4	Pass
L6	143 - 138	Pole	TP25.4405x24.5804x0.1875	6	-10.01	923.14	35.5	Pass
L7	138 - 133	Pole	TP26.3006x25.4405x0.1875	7	-10.49	954.58	44.9	Pass
L8	133 - 128	Pole	TP27.1607x26.3006x0.1875	8	-13.81	986.02	55.2	Pass
L9	128 - 123	Pole	TP28.0208x27.1607x0.1875	9	-14.38	1017.46	65.9	Pass
L10	123 - 116.5	Pole	TP29.139x28.0208x0.1875	10	-14.71	1034.76	71.5	Pass
L11	116.5 - 115.25	Pole	TP28.979x28.1189x0.25	11	-18.40	1400.28	58.0	Pass
L12	115.25 - 110.25	Pole	TP29.8392x28.979x0.25	12	-19.21	1442.20	65.4	Pass
L13	110.25 - 105.25	Pole	TP30.6993x29.8392x0.25	13	-20.04	1484.12	72.3	Pass
L14	105.25 - 100.25	Pole	TP31.5595x30.6993x0.25	14	-21.06	1526.05	78.7	Pass
L15	100.25 - 95.25	Pole	TP32.4196x31.5595x0.25	15	-21.97	1567.96	84.7	Pass
L16	95.25 - 91.5	Pole	TP33.0647x32.4196x0.25	16	-22.66	1599.41	88.9	Pass
L17	91.5 - 91.25	Pole	TP33.1077x33.0647x0.25	17	-22.73	1601.51	89.2	Pass
L18	91.25 - 86.25	Pole	TP33.9678x33.1077x0.25	18	-23.67	1643.43	94.5	Pass
L19	86.25 - 80.25	Pole	TP35x33.9678x0.25	19	-23.95	1656.01	96.1	Pass
L20	80.25 - 79.25	Pole	TP34.672x33.7259x0.3125	20	-25.58	2093.38	77.6	Pass
L21	79.25 - 74.25	Pole	TP35.5321x34.672x0.3125	21	-26.69	2145.79	80.8	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	σP_{allow} K	% Capacity	Pass Fail	
L22	74.25 - 69.75	Pole	TP36.3063x35.5321x0.3125	22	-27.74	2192.96	83.6	Pass	
L23	69.75 - 69.5	Pole	TP36.3493x36.3063x0.4875	23	-27.83	3408.46	51.7	Pass	
L24	69.5 - 64.5	Pole	TP37.2094x36.3493x0.4875	24	-29.28	3490.21	53.1	Pass	
L25	64.5 - 59.5	Pole	TP38.0695x37.2094x0.475	25	-30.76	3481.53	55.7	Pass	
L26	59.5 - 54.5	Pole	TP38.9296x38.0695x0.475	26	-32.26	3561.18	56.9	Pass	
L27	54.5 - 53.75	Pole	TP39.0587x38.9296x0.475	27	-32.49	3573.13	57.1	Pass	
L28	53.75 - 53.5	Pole	TP39.1017x39.0587x0.475	28	-32.58	3577.12	57.1	Pass	
L29	53.5 - 48.5	Pole	TP39.9618x39.1017x0.475	29	-34.10	3656.77	58.2	Pass	
L30	48.5 - 39.75	Pole	TP41.467x39.9618x0.4688	30	-35.18	3664.25	59.6	Pass	
L31	39.75 - 38.75	Pole	TP41.014x39.9389x0.375	31	-38.07	2971.16	80.5	Pass	
L32	38.75 - 33.75	Pole	TP41.8742x41.014x0.375	32	-39.49	3034.05	82.0	Pass	
L33	33.75 - 28.75	Pole	TP42.7343x41.8742x0.375	33	-40.93	3096.93	83.4	Pass	
L34	28.75 - 27.75	Pole	TP42.9063x42.7343x0.375	34	-41.22	3109.51	83.6	Pass	
L35	27.75 - 27.5	Pole	TP42.9493x42.9063x0.575	35	-41.33	4750.32	52.8	Pass	
L36	27.5 - 22.5	Pole	TP43.8094x42.9493x0.575	36	-43.23	4846.74	53.3	Pass	
L37	22.5 - 17.5	Pole	TP44.6696x43.8094x0.5625	37	-45.16	4837.08	54.9	Pass	
L38	17.5 - 12.5	Pole	TP45.5297x44.6696x0.5625	38	-47.12	4931.40	55.3	Pass	
L39	12.5 - 8.75	Pole	TP46.1748x45.5297x0.5625	39	-48.60	5002.15	55.6	Pass	
L40	8.75 - 8.5	Pole	TP46.2178x46.1748x0.5625	40	-48.71	5006.86	55.6	Pass	
L41	8.5 - 8.25	Pole	TP46.2608x46.2178x0.5625	41	-48.81	5011.58	55.6	Pass	
L42	8.25 - 8	Pole	TP46.3038x46.2608x0.5	42	-48.90	4465.02	62.4	Pass	
L43	8 - 3.25	Pole	TP47.1209x46.3038x0.5	43	-50.64	4544.67	62.7	Pass	
L44	3.25 - 3	Pole	TP47.1639x47.1209x0.4125	44	-50.74	3759.85	79.2	Pass	
L45	3 - 0	Pole	TP47.68x47.1639x0.4125	45	-51.81	3801.36	79.7	Pass	
							Summary		
							Pole (L19)	96.1	Pass
							RATING =	96.1	Pass

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

APPENDIX B
BASE LEVEL DRAWING



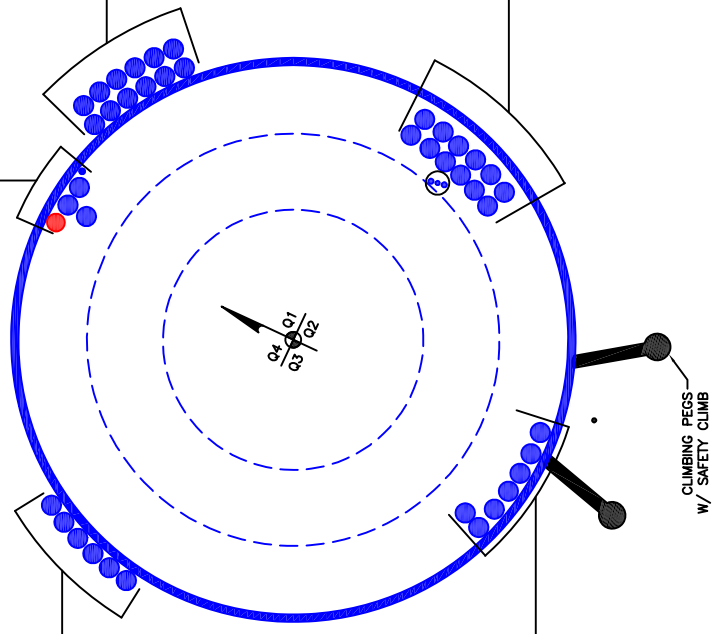
(PROPOSED EQUIPMENT CONFIGURATION)
(1) 1-1/2" TO 130 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(3) 1-5/8" TO 157 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 74 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(12) 1-5/8" TO 186 FT LEVEL

(OTHER CONSIDERED EQUIPMENT—IN 2" CONDUIT)
(1) 5/8" TO 120 FT LEVEL
(2) 7/16" TO 120 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(12) 1-5/8" TO 120 FT LEVEL



(OTHER CONSIDERED EQUIPMENT)
(6) 1-5/8" TO 102 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(7) 1-5/8" TO 145 FT LEVEL

CLIMBING PEGS
W/ SAFETY CLIMB

APPENDIX C
ADDITIONAL CALCULATIONS

Site BU: 876392
Work Order: 1962924



Copyright © 2019 Crown Castle

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	168	10	0	0	14	14	0.25		A53-B-35
2	158	41.5	3.75	18	22.00	29.139	0.1875	Auto	A607-65
3	120.25	40	4.5	18	28.12	35	0.25	Auto	A607-65
4	84.75	45	5.25	18	33.73	41.467	0.3125	Auto	A607-65
5	45	45	0	18	39.94	47.68	0.375	Auto	A607-65

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	84.5	91.5	plate	MS-450 (1.25")	3	x						x						x					
2	53.75	69.75	plate	MS-600 (1.25")	3	x						x						x					
3	27.75	53.75	plate	MS-600 (1.25")	3		x						x						x				
4	8.25	27.75	plate	MS-650 (1.25")	1	x																	
5	3.25	27.75	plate	MS-650 (1.25")	2							x						x					
6	0	8.75	plate	TS 1.25x4.00 (MOD)	1		-2																
7	0	3.25	plate	TS 1.25x5.50 (MOD)	2								-2						-2				
8																							
9																							
10																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in ²)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in ²)	Bolt Hole Size (in)	Reinforcement Material
1	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.625	3.188	1.2500	A572-65
2	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.688	1.2500	A572-65
3	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.688	1.2500	A572-65
4	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.250	6.484	1.2500	A572-65
5	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.250	6.484	1.2500	A572-65
6	1.25	3.25	4.0625	2.375	Welded	n/a	Welded	n/a	0.750	4.063	0.0000	A572-65
7	1.25	4.75	5.9375	3.125	Welded	n/a	Welded	n/a	0.750	5.938	0.0000	A572-65

Connection Details for Custom Reinforcements

Reinforcement	End	# Bolts	N or X	Bolt Spacing (in)	Edge Dist (in)	Weld Grade (ksi)	Transverse (Horiz.) Weld Type	Horiz. Weld Length (in)	Horiz. Groove Depth (in)	Horiz. Groove Angle (deg)	Horiz. Fillet Size (in)	Vertical Weld Length (in)	Vertical Fillet Size (in)	Rev H Connection Capacity (kip)
TS 1.25x4.00 (MOD)	Top	-	-	-	-	80	None	-	-	-	-	20	0.375	-
	Bottom	-	-	-	-	80	CJP Groove	6.5	0.625	45	0.625	-	-	-
TS 1.25x5.50 (MOD)	Top	-	-	-	-	80	None	-	-	-	-	24	0.375	-
	Bottom	-	-	-	-	80	CJP Groove	9.5	0.625	45	0.625	-	-	-

TNX Geometry Input

Increment (ft): [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	168 - 163	5		0	14.000	14.000	0.25	A53-B-35	1.000
2	163 - 158	5	0	0	14.000	14.000	0.25	A53-B-35	1.000
3	158 - 153	5		18	22.000	22.860	0.1875	A607-65	1.000
4	153 - 148	5		18	22.860	23.720	0.1875	A607-65	1.000
5	148 - 143	5		18	23.720	24.580	0.1875	A607-65	1.000
6	143 - 138	5		18	24.580	25.440	0.1875	A607-65	1.000
7	138 - 133	5		18	25.440	26.301	0.1875	A607-65	1.000
8	133 - 128	5		18	26.301	27.161	0.1875	A607-65	1.000
9	128 - 123	5		18	27.161	28.021	0.1875	A607-65	1.000
10	123 - 120.25	6.5	3.75	18	28.021	29.139	0.1875	A607-65	1.000
11	120.25 - 115.25	5		18	28.119	28.979	0.25	A607-65	1.000
12	115.25 - 110.25	5		18	28.979	29.839	0.25	A607-65	1.000
13	110.25 - 105.25	5		18	29.839	30.699	0.25	A607-65	1.000
14	105.25 - 100.25	5		18	30.699	31.559	0.25	A607-65	1.000
15	100.25 - 95.25	5		18	31.559	32.420	0.25	A607-65	1.000
16	95.25 - 91.5	3.75		18	32.420	33.065	0.25	A607-65	1.000
17	91.5 - 91.25	0.25		18	33.065	33.108	0.25	A607-65	1.000
18	91.25 - 86.25	5		18	33.108	33.968	0.25	A607-65	1.000
19	86.25 - 84.75	6	4.5	18	33.968	35.000	0.25	A607-65	1.000
20	84.75 - 79.25	5.5		18	33.726	34.672	0.3125	A607-65	1.000
21	79.25 - 74.25	5		18	34.672	35.532	0.3125	A607-65	1.000
22	74.25 - 69.75	4.5		18	35.532	36.306	0.3125	A607-65	1.000
23	69.75 - 69.5	0.25		18	36.306	36.349	0.4875	A607-65	0.969
24	69.5 - 64.5	5		18	36.349	37.209	0.4875	A607-65	0.961
25	64.5 - 59.5	5		18	37.209	38.070	0.475	A607-65	0.978
26	59.5 - 54.5	5		18	38.070	38.930	0.475	A607-65	0.971
27	54.5 - 53.75	0.75		18	38.930	39.059	0.475	A607-65	0.970
28	53.75 - 53.5	0.25		18	39.059	39.102	0.475	A607-65	0.970
29	53.5 - 48.5	5		18	39.102	39.962	0.475	A607-65	0.963
30	48.5 - 45	8.75	5.25	18	39.962	41.467	0.46875	A607-65	0.971
31	45 - 38.75	6.25		18	39.939	41.014	0.375	A607-65	1.000
32	38.75 - 33.75	5		18	41.014	41.874	0.375	A607-65	1.000
33	33.75 - 28.75	5		18	41.874	42.734	0.375	A607-65	1.000
34	28.75 - 27.75	1		18	42.734	42.906	0.375	A607-65	1.000
35	27.75 - 27.5	0.25		18	42.906	42.949	0.575	A607-65	0.970
36	27.5 - 22.5	5		18	42.949	43.809	0.575	A607-65	0.964
37	22.5 - 17.5	5		18	43.809	44.670	0.5625	A607-65	0.979
38	17.5 - 12.5	5		18	44.670	45.530	0.5625	A607-65	0.973
39	12.5 - 8.75	3.75		18	45.530	46.175	0.5625	A607-65	0.969
40	8.75 - 8.5	0.25		18	46.175	46.218	0.5625	A607-65	0.968
41	8.5 - 8.25	0.25		18	46.218	46.261	0.5625	A607-65	0.968
42	8.25 - 8	0.25		18	46.261	46.304	0.5	A607-65	0.976
43	8 - 3.25	4.75		18	46.304	47.121	0.5	A607-65	0.972
44	3.25 - 3	0.25		18	47.121	47.164	0.4125	A607-65	1.104
45	3 - 0	3		18	47.164	47.680	0.4125	A607-65	1.102

TNX Section Forces

Increment (ft):		TNX Output		
	5	P _u	M _{ux} (kip-ft)	V _u
	Section Height (ft)	(K)		(K)
1	168 - 163	0.44	3.67	0.86
2	163 - 158	0.68	9.22	1.35
3	158 - 153	4.87	34.74	6.56
4	153 - 148	5.21	68.61	7.01
5	148 - 143	8.68	121.93	12.48
6	143 - 138	9.11	185.38	12.93
7	138 - 133	9.57	251.04	13.37
8	133 - 128	12.81	326.16	17.41
9	128 - 123	13.35	414.16	17.83
10	123 - 120.25	13.67	463.43	18.05
11	120.25 - 115.25	17.29	571.09	22.01
12	115.25 - 110.25	18.07	682.07	22.42
13	110.25 - 105.25	18.89	795.15	22.81
14	105.25 - 100.25	19.89	910.86	23.59
15	100.25 - 95.25	20.78	1029.72	23.96
16	95.25 - 91.5	21.46	1120.07	24.24
17	91.5 - 91.25	21.53	1126.13	24.25
18	91.25 - 86.25	22.45	1248.23	24.61
19	86.25 - 84.75	22.73	1285.20	24.72
20	84.75 - 79.25	24.35	1422.54	25.23
21	79.25 - 74.25	25.44	1549.54	25.59
22	74.25 - 69.75	26.48	1665.65	25.98
23	69.75 - 69.5	26.57	1672.14	25.99
24	69.5 - 64.5	28.00	1803.15	26.42
25	64.5 - 59.5	29.47	1936.28	26.84
26	59.5 - 54.5	30.96	2071.46	27.25
27	54.5 - 53.75	31.19	2091.92	27.30
28	53.75 - 53.5	31.27	2098.74	27.32
29	53.5 - 48.5	32.78	2236.33	27.72
30	48.5 - 45	33.85	2333.79	27.98
31	45 - 38.75	36.73	2510.52	28.55
32	38.75 - 33.75	38.14	2653.94	28.83
33	33.75 - 28.75	39.57	2798.71	29.10
34	28.75 - 27.75	39.86	2827.81	29.15
35	27.75 - 27.5	39.97	2835.10	29.14
36	27.5 - 22.5	41.86	2981.68	29.48
37	22.5 - 17.5	43.78	3129.82	29.78
38	17.5 - 12.5	45.72	3279.38	30.05
39	12.5 - 8.75	47.19	3392.43	30.26
40	8.75 - 8.5	47.31	3399.99	30.25
41	8.5 - 8.25	47.40	3407.56	30.26
42	8.25 - 8	47.50	3415.13	30.28
43	8 - 3.25	49.23	3559.52	30.52
44	3.25 - 3	49.33	3567.14	30.51
45	3 - 0	50.39	3658.87	30.64

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
168 - 163	Pole	TP14x14x0.25	Pole	2.9%	Pass
163 - 158	Pole	TP14x14x0.25	Pole	7.3%	Pass
158 - 153	Pole	TP22.86x22x0.1875	Pole	8.2%	Pass
153 - 148	Pole	TP23.72x22.86x0.1875	Pole	14.7%	Pass
148 - 143	Pole	TP24.58x23.72x0.1875	Pole	24.7%	Pass
143 - 138	Pole	TP25.44x24.58x0.1875	Pole	35.0%	Pass
138 - 133	Pole	TP26.301x25.44x0.1875	Pole	44.6%	Pass
133 - 128	Pole	TP27.161x26.301x0.1875	Pole	55.1%	Pass
128 - 123	Pole	TP28.021x27.161x0.1875	Pole	66.3%	Pass
123 - 120.25	Pole	TP29.139x28.021x0.1875	Pole	72.1%	Pass
120.25 - 115.25	Pole	TP28.979x28.119x0.25	Pole	58.8%	Pass
115.25 - 110.25	Pole	TP29.839x28.979x0.25	Pole	66.6%	Pass
110.25 - 105.25	Pole	TP30.699x29.839x0.25	Pole	73.8%	Pass
105.25 - 100.25	Pole	TP31.559x30.699x0.25	Pole	80.6%	Pass
100.25 - 95.25	Pole	TP32.42x31.559x0.25	Pole	87.0%	Pass
95.25 - 91.5	Pole	TP33.065x32.42x0.25	Pole	91.5%	Pass
91.5 - 91.25	Pole	TP33.108x33.065x0.25	Pole	91.8%	Pass
91.25 - 86.25	Pole	TP33.968x33.108x0.25	Pole	97.4%	Pass
86.25 - 84.75	Pole	TP35x33.968x0.25	Pole	99.1%	Pass
84.75 - 79.25	Pole	TP34.672x33.726x0.3125	Pole	80.1%	Pass
79.25 - 74.25	Pole	TP35.532x34.672x0.3125	Pole	83.6%	Pass
74.25 - 69.75	Pole	TP36.306x35.532x0.3125	Pole	86.5%	Pass
69.75 - 69.5	Pole + Reinf.	TP36.349x36.306x0.4875	Reinf. 2 Tension Rupture	85.2%	Pass
69.5 - 64.5	Pole + Reinf.	TP37.209x36.349x0.4875	Reinf. 2 Tension Rupture	88.4%	Pass
64.5 - 59.5	Pole + Reinf.	TP38.07x37.209x0.475	Reinf. 2 Tension Rupture	91.3%	Pass
59.5 - 54.5	Pole + Reinf.	TP38.93x38.07x0.475	Reinf. 2 Tension Rupture	94.1%	Pass
54.5 - 53.75	Pole + Reinf.	TP39.059x38.93x0.475	Reinf. 2 Tension Rupture	94.5%	Pass
53.75 - 53.5	Pole + Reinf.	TP39.102x39.059x0.475	Reinf. 3 Tension Rupture	94.6%	Pass
53.5 - 48.5	Pole + Reinf.	TP39.962x39.102x0.475	Reinf. 3 Tension Rupture	97.2%	Pass
48.5 - 45	Pole + Reinf.	TP41.467x39.962x0.4688	Reinf. 3 Tension Rupture	98.9%	Pass
45 - 38.75	Pole	TP41.014x39.939x0.375	Pole	83.8%	Pass
38.75 - 33.75	Pole	TP41.874x41.014x0.375	Pole	85.5%	Pass
33.75 - 28.75	Pole	TP42.734x41.874x0.375	Pole	87.0%	Pass
28.75 - 27.75	Pole	TP42.906x42.734x0.375	Pole	87.3%	Pass
27.75 - 27.5	Pole + Reinf.	TP42.949x42.906x0.575	Reinf. 5 Tension Rupture	85.9%	Pass
27.5 - 22.5	Pole + Reinf.	TP43.809x42.949x0.575	Reinf. 5 Tension Rupture	87.4%	Pass
22.5 - 17.5	Pole + Reinf.	TP44.67x43.809x0.5625	Reinf. 5 Tension Rupture	88.8%	Pass
17.5 - 12.5	Pole + Reinf.	TP45.53x44.67x0.5625	Reinf. 5 Tension Rupture	90.1%	Pass
12.5 - 8.75	Pole + Reinf.	TP46.175x45.53x0.5625	Reinf. 5 Tension Rupture	91.0%	Pass
8.75 - 8.5	Pole + Reinf.	TP46.218x46.175x0.5625	Reinf. 5 Tension Rupture	91.1%	Pass
8.5 - 8.25	Pole + Reinf.	TP46.261x46.218x0.5625	Reinf. 5 Tension Rupture	91.1%	Pass
8.25 - 8	Pole + Reinf.	TP46.304x46.261x0.5	Reinf. 5 Tension Rupture	92.4%	Pass
8 - 3.25	Pole + Reinf.	TP47.121x46.304x0.5	Reinf. 5 Tension Rupture	93.4%	Pass
3.25 - 3	Pole + Reinf.	TP47.164x47.121x0.4125	Pole	91.9%	Pass
3 - 0	Pole + Reinf.	TP47.68x47.164x0.4125	Pole	92.5%	Pass
				Summary	
			Pole	99.1%	Pass
			Reinforcement	98.9%	Pass
			Overall	99.1%	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
168 - 163	255	n/a	255	10.80	n/a	10.80	2.9%							
163 - 158	255	n/a	255	10.80	n/a	10.80	7.3%							
158 - 153	876	n/a	876	13.49	n/a	13.49	8.2%							
153 - 148	980	n/a	980	14.00	n/a	14.00	14.7%							
148 - 143	1091	n/a	1091	14.52	n/a	14.52	24.7%							
143 - 138	1210	n/a	1210	15.03	n/a	15.03	35.0%							
138 - 133	1338	n/a	1338	15.54	n/a	15.54	44.6%							
133 - 128	1475	n/a	1475	16.05	n/a	16.05	55.1%							
128 - 123	1621	n/a	1621	16.56	n/a	16.56	66.3%							
123 - 120.25	1705	n/a	1705	16.85	n/a	16.85	72.1%							
120.25 - 115.25	2376	n/a	2376	22.80	n/a	22.80	58.8%							
115.25 - 110.25	2596	n/a	2596	23.48	n/a	23.48	66.6%							
110.25 - 105.25	2829	n/a	2829	24.16	n/a	24.16	73.8%							
105.25 - 100.25	3076	n/a	3076	24.84	n/a	24.84	80.6%							
100.25 - 95.25	3336	n/a	3336	25.53	n/a	25.53	87.0%							
95.25 - 91.5	3541	n/a	3541	26.04	n/a	26.04	91.5%							
91.5 - 91.25	3555	n/a	3555	26.07	n/a	26.07	91.8%							
91.25 - 86.25	3842	n/a	3842	26.75	n/a	26.75	97.4%							
86.25 - 84.75	3930	n/a	3930	26.96	n/a	26.96	99.1%							
84.75 - 79.25	5081	n/a	5081	34.08	n/a	34.08	80.1%							
79.25 - 74.25	5473	n/a	5473	34.93	n/a	34.93	83.6%							
74.25 - 69.75	5841	n/a	5841	35.70	n/a	35.70	86.5%							
69.75 - 69.5	5862	3166	9029	35.74	18.00	53.74	55.5%		85.2%					
69.5 - 64.5	6292	3313	9605	36.60	18.00	54.60	58.0%		88.4%					
64.5 - 59.5	6743	3462	10205	37.45	18.00	55.45	60.4%		91.3%					
59.5 - 54.5	7214	3615	10829	38.30	18.00	56.30	62.7%		94.1%					
54.5 - 53.75	7287	3638	10925	38.43	18.00	56.43	63.1%		94.5%					
53.75 - 53.5	7311	3646	10957	38.47	18.00	56.47	63.2%			94.6%				
53.5 - 48.5	7808	3803	11611	39.33	18.00	57.33	65.4%			97.2%				
48.5 - 45	8169	3915	12084	39.92	18.00	57.92	66.9%			98.9%				
45 - 38.75	10089	n/a	10089	48.37	n/a	48.37	83.8%							
38.75 - 33.75	10743	n/a	10743	49.39	n/a	49.39	85.5%							
33.75 - 28.75	11425	n/a	11425	50.42	n/a	50.42	87.0%							
28.75 - 27.75	11565	n/a	11565	50.62	n/a	50.62	87.3%							
27.75 - 27.5	11600	5997	17597	50.67	24.38	75.05	56.8%				85.9%	85.9%		
27.5 - 22.5	12318	6231	18548	51.70	24.38	76.07	58.1%				87.4%	87.4%		
22.5 - 17.5	13064	6469	19533	52.72	24.38	77.09	59.5%				88.8%	88.8%		
17.5 - 12.5	13840	6712	20552	53.74	24.38	78.12	60.7%				90.1%	90.1%		
12.5 - 8.75	14441	6897	21339	54.51	24.38	78.89	61.7%				91.0%	91.0%		
8.75 - 8.5	14482	6910	21392	54.56	24.38	78.94	61.7%				91.1%	91.1%		
8.5 - 8.25	14523	6922	21445	54.61	24.38	78.99	61.8%				91.1%	91.1%		
8.25 - 8	14731	4634	19366	54.66	16.25	70.91	74.8%					92.4%		
8 - 3.25	15527	4799	20326	55.64	16.25	71.89	76.0%					93.4%		
3.25 - 3	15703	1503	17206	55.69	11.88	67.56	91.9%							88.4%
3 - 0	16222	1538	17760	56.30	11.88	68.18	92.5%							88.9%

Note: Section capacity checked using 5 degree increments.

Rating per TIA-222-H Section 15.5.

Monopole Flange Plate Connection

Elevation = 158 ft.



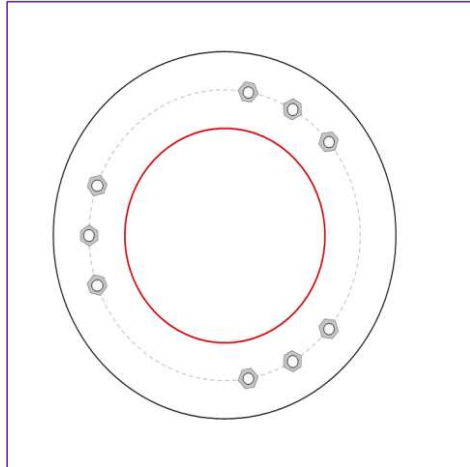
BU #	876392
Site Name	Hartford / Executive G
Order #	553387, Rev. 0

TIA-222 Revision	H
------------------	---

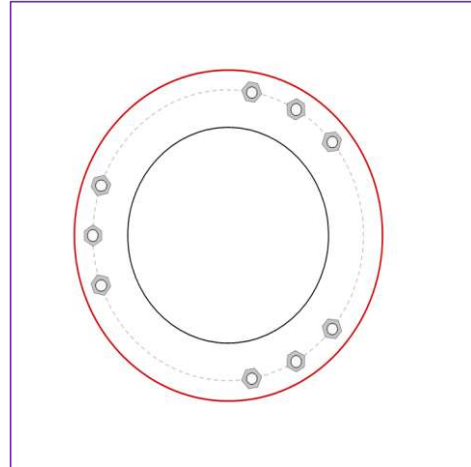
Applied Loads	
Moment (kip-ft)	8.52
Axial Force (kips)	0.70
Shear Force (kips)	1.25

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(9) 3/4" ϕ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 19" BC

Top Plate Data

24" OD x 1.25" Plate (A572-65; Fy=65 ksi, Fu=80 ksi)

Top Stiffener Data

N/A

Top Pole Data

14" x 0.25" round pole (A53-B-35; Fy=35 ksi, Fu=60 ksi)

Bottom Plate Data

14.125" ID x 0.75" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

N/A

Bottom Pole Data

22" x 0.1875" 18-sided pole (A607-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	2.31
Allowable (kips)	30.06
Stress Rating:	7.3% Pass

Top Plate Capacity

Max Stress (ksi):	3.02	(Flexural)
Allowable Stress (ksi):	58.50	
Stress Rating:	4.9%	Pass
Tension Side Stress Rating:	4.1%	Pass

Bottom Plate Capacity

Max Stress (ksi):	6.04	(Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	17.8%	Pass
Tension Side Stress Rating:	N/A	

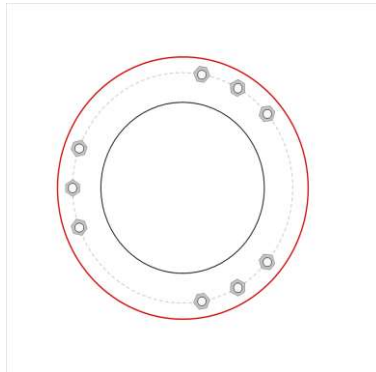
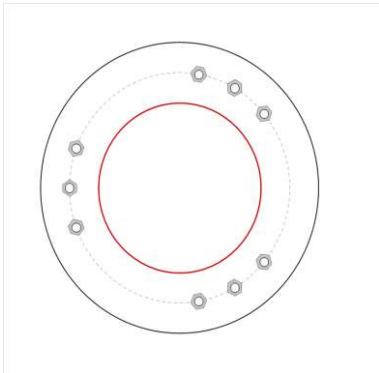
CCIplate

Elevation (ft) 158 (Flange)

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes

Custom Bolt Connection										
Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η :	I_{br} (in):	Thread Type	Area Override, in ²	Tension Only
1	1	40	0.75	A325	19	0.5	0	N-Included		No
2	1	60	0.75	A325	19	0.5	0	N-Included		No
3	1	80	0.75	A325	19	0.5	0	N-Included		No
4	1	160	0.75	A325	19	0.5	0	N-Included		No
5	1	180	0.75	A325	19	0.5	0	N-Included		No
6	1	200	0.75	A325	19	0.5	0	N-Included		No
7	1	280	0.75	A325	19	0.5	0	N-Included		No
8	1	300	0.75	A325	19	0.5	0	N-Included		No
9	1	320	0.75	A325	19	0.5	0	N-Included		No

Plot Graphic



Monopole Base Plate Connection

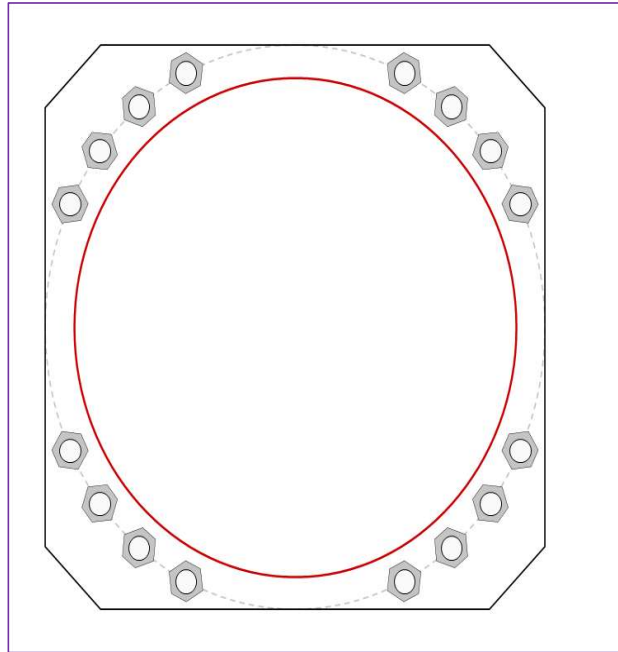


Site Info	
BU #	876392
Site Name	Hartford / Executive C
Order #	553387, Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	Yes
l_{ar} (in)	1.25

Applied Loads	
Moment (kip-ft)	3488.81
Axial Force (kips)	51.81
Shear Force (kips)	28.80

*TIA-222-H Section 15.5 Applied



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

Anchor Rod Data
(16) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 54" BC <i>Anchor Spacing: 6 in</i>
Base Plate Data
54" W x 2.5" Plate (A572-55; $F_y=55$ ksi, $F_u=70$ ksi); Clip: 6 in
Stiffener Data
N/A
Pole Data
47.68" x 0.375" 18-sided pole (A607-65; $F_y=65$ ksi, $F_u=80$ ksi)

Anchor Rod Summary		<i>(units of kips, kip-in)</i>
$P_{u,t} = 190.45$	$\phi P_{n,t} = 243.75$	Stress Rating
$V_u = 1.8$	$\phi V_n = 149.1$	74.4%
$M_u = n/a$	$\phi M_n = n/a$	Pass
Base Plate Summary		
Max Stress (ksi):	39.99	(Flexural)
Allowable Stress (ksi):	49.5	
Stress Rating:	76.9%	Pass

Pier and Pad Foundation



BU # : 876392
Site Name: New Hartford / Exe
App. Number: 553387, Rev. 0

TIA-222 Revision: H
Tower Type: Monopole

Top & Bot. Pad Rein. Different?:
Block Foundation?:
Rectangular Pad?:

Superstructure Analysis Reactions		
Compression, P_{comp} :	51.83	kips
Base Shear, Vu_{comp} :	28.77	kips
Moment, M_u :	3488.81	ft-kips
Tower Height, H :	168	ft
BP Dist. Above Fdn, bp_{dist} :	3.5	in

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
<i>Lateral (Sliding) (kips)</i>	323.35	28.77	8.5%	Pass
<i>Bearing Pressure (ksf)</i>	12.70	3.51	27.6%	Pass
<i>Overturing (kip*ft)</i>	5577.63	3799.29	68.1%	Pass
<i>Pier Flexure (Comp.) (kip*ft)</i>	5880.22	3704.59	60.0%	Pass
<i>Pier Compression (kip)</i>	23390.64	110.64	0.5%	Pass
<i>Pad Flexure (kip*ft)</i>	3260.26	1748.37	51.1%	Pass
<i>Pad Shear - 1-way (kips)</i>	648.20	326.96	48.0%	Pass
<i>Pad Shear - 2-way (Comp) (ksi)</i>	0.164	0.000	0.0%	Pass
<i>Flexural 2-way (Comp) (kip*ft)</i>	4902.10	2222.75	43.2%	Pass

Pier Properties		
Pier Shape:	Square	
Pier Diameter, $dpier$:	7	ft
Ext. Above Grade, E :	0.5	ft
Pier Rebar Size, Sc :	11	
Pier Rebar Quantity, mc :	24	
Pier Tie/Spiral Size, St :	5	
Pier Tie/Spiral Quantity, mt :	21	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

*Rating per TIA-222-H Section 15.5

Structural Rating*:	60.0%
Soil Rating*:	68.1%

Pad Properties		
Depth, D :	10	ft
Pad Width, W_1 :	21	ft
Pad Thickness, T :	3	ft
Pad Rebar Size (Bottom dir. 2), Sp_2 :	9	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	24	
Pad Clear Cover, cc_{pad} :	3	in

Material Properties		
Rebar Grade, Fy :	60	ksi
Concrete Compressive Strength, $F'c$:	3	ksi
Dry Concrete Density, δc :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	125	pcf
Ultimate Net Bearing, Q_{net} :	16,000	ksf
Cohesion, C_u :	0.000	ksf
Friction Angle, ϕ :	30	degrees
SPT Blow Count, N_{blows} :		
Base Friction, μ :	0.5	
Neglected Depth, N :	3.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	5	ft

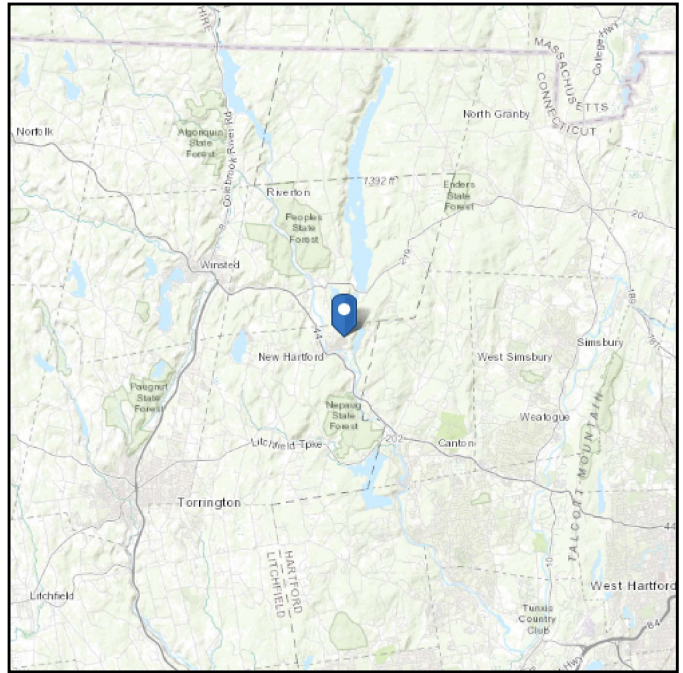
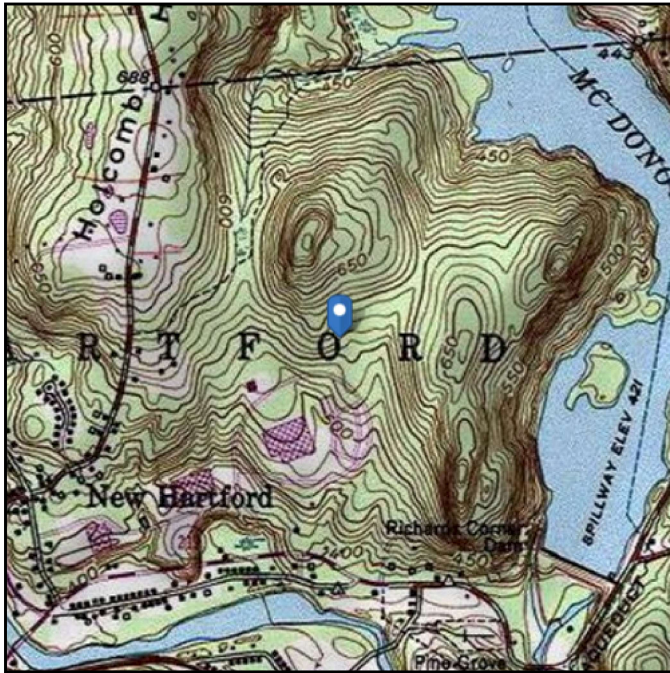
<--Toggle between Gross and Net

ASCE 7 Hazards Report

Address:
No Address at This
Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Stiff Soil

Elevation: 566.99 ft (NAVD 88)
Latitude: 41.886244
Longitude: -72.966139



Wind

Results:

Wind Speed:	115 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	89 Vmph
100-year MRI	95 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2

Date Accessed: Wed Sep 01 2021

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 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is not in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2.

Ice

Results:

Ice Thickness: 1.50 in.

Concurrent Temperature: 5 F

Gust Speed: 50 mph

Data Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

Date Accessed: Wed Sep 01 2021

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

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-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: 876392

Structure: A

Location				
	Decimal Degrees	Deg	Min	Sec
Lat:	41.886244	+	41	53
Long:	-72.966139	-	72	57
				10.48
				58.10
Code and Site Parameters				
Seismic Design Code:	TIA-222-H			
Site Soil:	D (Determined)		Stiff Soil	
Risk Category:	II			
<u>USGS Seismic Reference</u>	S_S :	0.1800	g	
	S_1 :	0.0650	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} :	0.1920		g	
Design spectral response acceleration 1 s period, S_{D1} :	0.1040		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: **September 13, 2021**

Jacob Montoya
Crown Castle
2055 S. Stearman Drive
Chandler, AZ 85286
(480) 298-9641

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

Subject: **Mount Replacement Analysis Report**

Carrier Designation: **DISH Network**
Carrier Site Number: **BOHVN00170A**
Carrier Site Name: **CT-CCI-T-876392**

Crown Castle Designation: **Crown Castle BU Number:** **876392**
Crown Castle Site Name: **NEW HARTFORD /EXECUTIVE GREET**
Crown Castle JDE Job Number: **645200**
Crown Castle Order Number: **553387 Rev.1**

Engineering Firm Designation: **POD Report Designation:** **21-108455**

Site Data: **115 Industrial Park Rd, New Hartford, Litchfield County, CT 06057**
Latitude 41° 53' 10.48" Longitude -72° 57' 58.10"

Structure Information: **Tower Height & Type:** **168 ft MONOPOLE**
Mount Elevation: **130 ft**
Mount Type: **8 ft Platform**

Dear Jacob Montoya,

POD Group is pleased to submit this "Mount Replacement Analysis Report" to determine the structural integrity of DISH Network'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:

8 ft Platform (Typical/Multiple/Individual Sector) 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 118 mph as required by the 2015 International Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Mount structural analysis prepared by: Iryna Manastireanu

Respectfully submitted by:

Jason Cheronis, PE
Connecticut PE#: 0032793



Jason Cheronis

Digitally signed
by Jason Cheronis
Date: 2021.09.13
11:40:04 -04'00'

TABLE OF CONTENTS

- 1) INTRODUCTION**
- 2) ANALYSIS CRITERIA**
 - Table 1 – Proposed 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) APPENDIX A**
 - Wire Frame and Rendered Models
- 6) APPENDIX B**
 - Software Input Calculations
- 7) APPENDIX C**
 - Software Analysis Output
- 8) APPENDIX D**
 - Additional Calculations
- 9) APPENDIX E**
 - Design Criteria
- 10) APPENDIX F**
 - Mount Specification Sheets

1) INTRODUCTION

This mount is a proposed 8 ft Platform designed by CommScope (P/N: MC-PK8-DSH). This mount is to be installed at the 130 ft elevation on the 168 ft MONOPOLE.

2) ANALYSIS CRITERIA

Building Code:	2015 IBC
TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	118 mph
Exposure Category:	C
Topographic Factor at Base:	1.000
Topographic Factor at Mount:	1.000
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Seismic S_s:	0.178
Seismic S_1:	0.065
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 - Proposed Equipment Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount / Modification Details	Note
130	130	3	JMA WIRELESS	MX08FRO665-21	8 ft Platform	-
		3	FUJITSU	TA08025-B604		
		3	FUJITSU	TA08025-B605		
		1	RAYCAP	RDIDC-9181-PF-48		

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Crown Application	-	Crown Castle App #: 553387 Rev.1 Dated: 04/27/2021	Crown Castle
Structural Analysis	-	Crown Castle Report #: 1999969, Dated: 09/01/2021	Crown Castle
Proposed Base Levels Drawings	-	Crown Castle Sheet #: A1-130 Dated: 05/07/2021	Crown Castle
Mount Specification Sheets	-	CommScope Part #: MC-PK8-DSH Dated: 02/27/2021	CommScope

3.1) Analysis Method

RISA-3D (Version 17.0), 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).

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. This is not a condition assessment of the mount, structure, or foundation.
- 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 purpose of this report is to assess the feasibility of adding appurtenances usually accompanied by transmission lines to the structure. POD Group does not analyze the fabrication of the mount or structure (including welding).
- 6) 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.
- 7) Steel grades have been used as follows, unless noted otherwise:
 - a. Plates, Angle ASTM A36 (GR 36)
 - b. Channels ASTM A1011 (GR 36)
 - c. HSS (Rectangular), Pipes ASTM 500 (GR B-46)
 - 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 (8 ft Platform)

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
1	Crossarm	CR2	130	27.9	Pass
	Standoff	SO1		27.1	Pass
	Plate	PL6		22.9	Pass
	Angle	ANGLE1		20.2	Pass
	Mount Pipe	MP GAMMA2		11.1	Pass
	Face	FACE3		9.6	Pass
	Rail	RAIL1		13.6	Pass
	Standoff Flange Plate Bolts	-	-	6.1	Pass
	Standoff Flange Plate	-	-	37.6	Pass

Structure Rating (max from all components) =	37.6%
---	--------------

Notes:

- 1) See additional documentation in "Appendix C – Software Analysis Output" and "Appendix D – Additional Calculations" for calculations supporting the % capacity

4.1) Recommendations

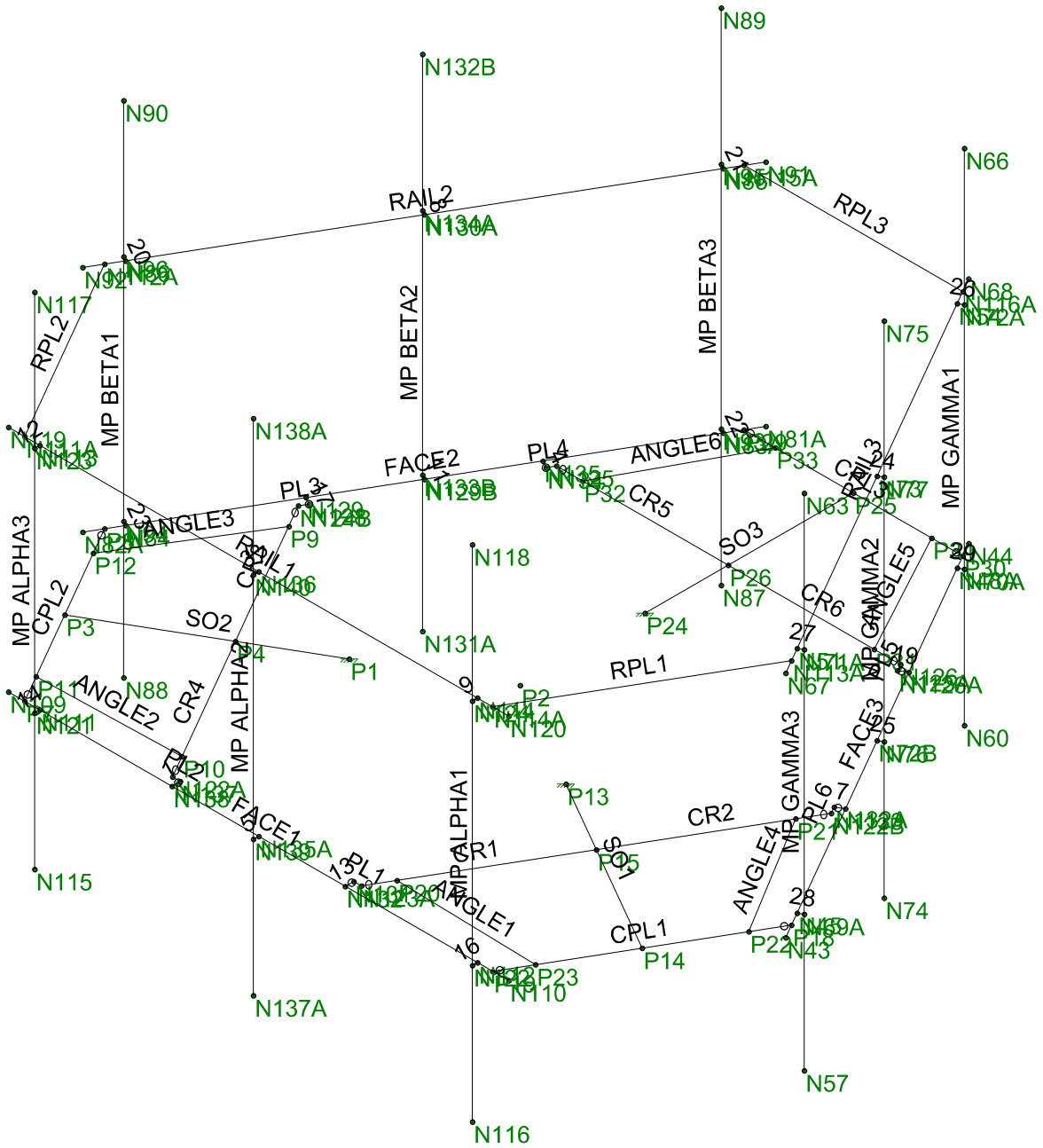
The mount has sufficient capacity to carry the proposed loading configuration. In order for the results of the analysis to be considered valid, the loading modification listed below must be completed.

1. The proposed mount by CommScope, P/N: MC-PK8-DSH, be installed per manufacturer specifications, centered at 130 ft.
2. Installation of (3 per sector, total of 9) 8'-0" P2.5 STD mount pipes, evenly spaced centered at an elevation of 130 ft.
 - 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.

APPENDIX A

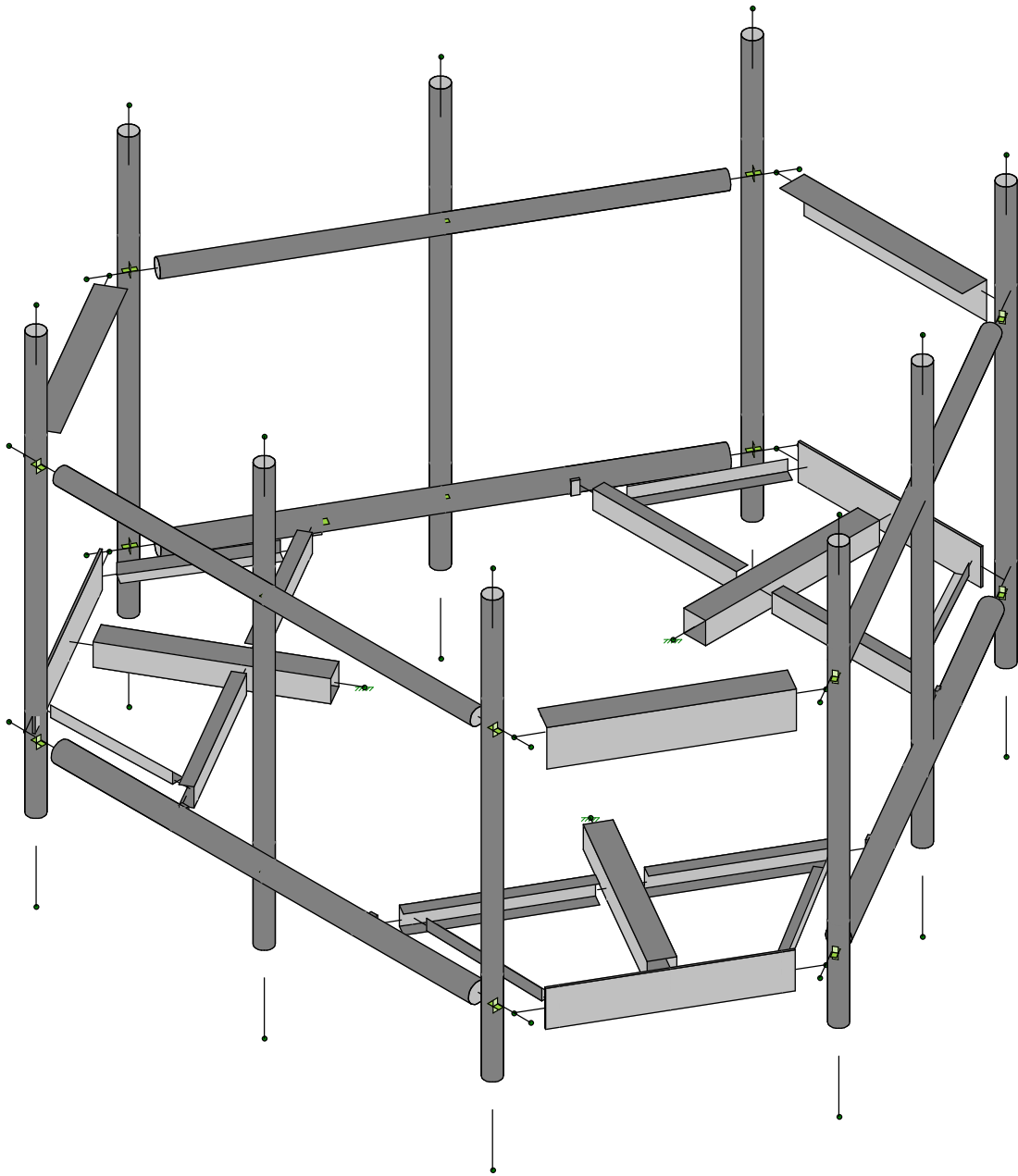
Wire Frame and Rendered Models



POD
IM
21-108455

876392

SK - 1
Sept 13, 2021 at 9:40 AM
MC-PK8DSH.r3d



POD

IM

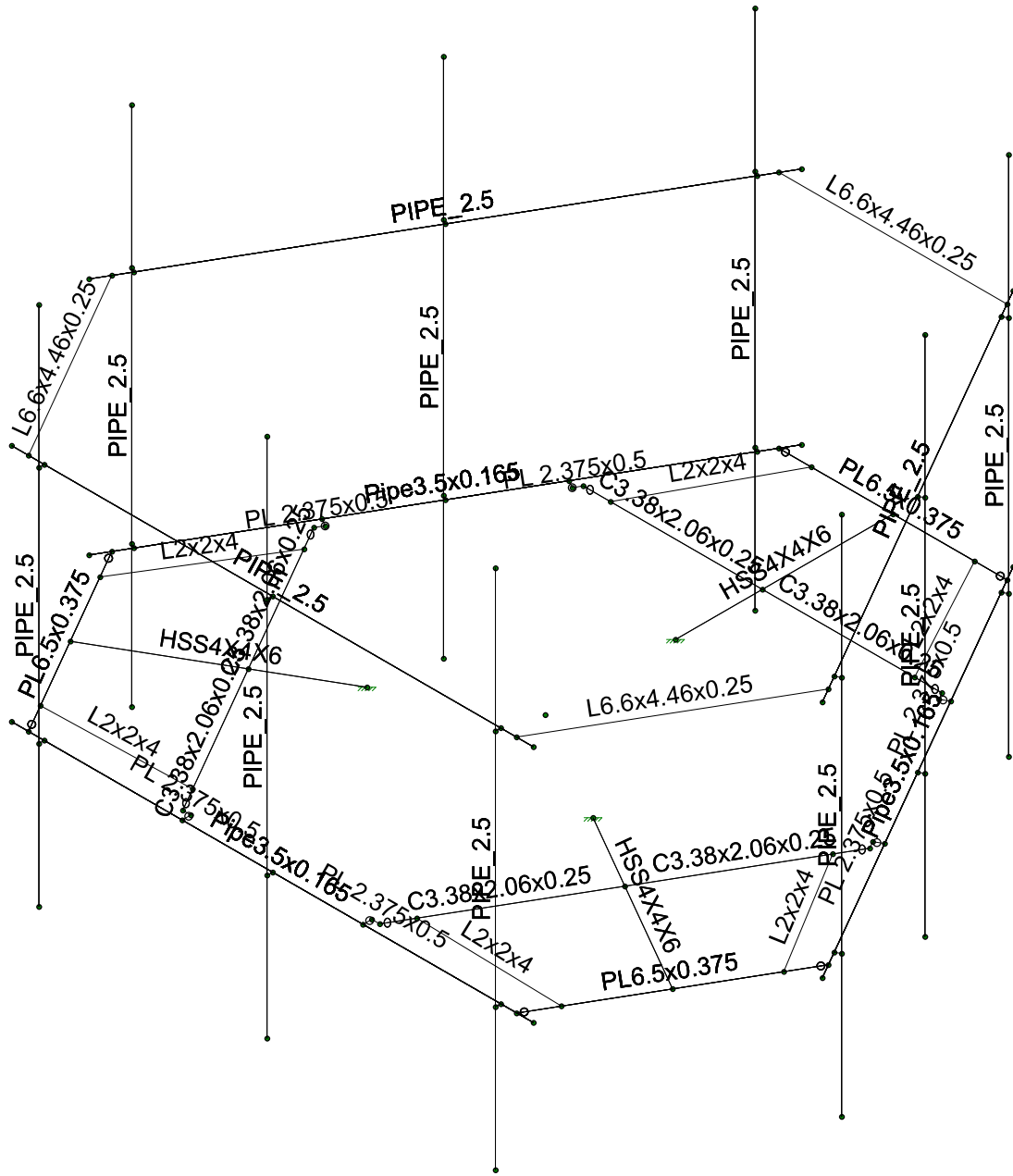
21-108455

876392

SK - 2

Sept 13, 2021 at 9:40 AM

MC-PK8DSH.r3d



POD
IM
21-108455

876392

SK - 3
Sept 13, 2021 at 9:40 AM
MC-PK8DSH.r3d

APPENDIX B
Software Input Calculations



POD Job # 21-108455
 Site Number 876392
 Site Name NEW HARTFORD /EXECUTIVE GREET

General Site Information

Mount Type	SFP	Risk Category	II	I (seismic)	1	Use CFD	Yes
V (Wind Speed)	118	I(ice)	1	Sms	0.285		
Zs	566.99	Ss	0.178	Sm1	0.156	width (ft)	height (ft)
ti	1.5	S1	0.005	Sds	0.190	8	3.67
Vi	50	Soil Site Class	D	Sd1	0.104		
Kat	1	Fa	1.600	Seismic Design Category	B		
Exposure	C	Fv	2.400	Seismic Analysis Not Required			
zg	900	Tower Type	Monopole	R	2 TIA-222-H 16.7		
a	9.5	Tower Height	168	As	1 TIA-222-H 16.7		
Kmin	0.85			Cs, Min	0.03 TIA-222-H 2.7.7.1.1		
G ₁	1			Cs	0.094933333 TIA-222-H 2.7.7.1.1		
Ke	0.98						
K ₀	0.95						
K _v	0.9						

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity	MP #
MX08FR0665-21			130	4	60		A/B/C	1	1
TA08025-B604			130	4			A/B/C	1	1
TA08025-B606			130	4			A/B/C	1	1
RD1DC-9161-PF-48			130	4			A	1	1

Mount information

Elevation (ft)	130	Grating Thickness (in)	1
K _v	1.34	Grating Ice Weight (lb/ft ²)	0.020
K _{iz}	1.15		
Hz	1.72		

Mount Pipes	Length (ft)	Width (in)	Centerline
	8	2.375	130

Round Members

Member	Length (ft)	Width (in)	Frame Member	# of Members
Rail On	8	2.875	Yes	2
Rail Off	8	2.875	No	1
Face On	8	3.5	Yes	2
Face Off	8	3.5	No	1

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member	# of Members
SD	3.4	4	Square HSS		4	0.375	4	No	3
RPL	3.5	4.5	Angle		4.5	0.25		No	3
Plate	0.125	0.5	Channel	0	2.375	0	0.5	No	6
Crossarm	2.75	3.38	Channel	2.06	3.38	0.25	0.25	No	6
CPL	3.5	0.375	Channel	0	6.5	0	0.375	No	3
Angle	2.3	2	Angle	2	0.25			No	6



Appurtenance Wind Calculations

Model	Height	Width	Depth	Weight (lbs)	Kz	qr (lb/ft ²)	(EPA) _w (ft ²)	(EPA) _h (ft ²)	Front	Side	Wind Force (Kips)		
											Alpha	Beta	Gamma
MX08FRC665-21	71.0	20.0	8.0	82.5	1.34	44.37	8.01	3.21	0.355	0.142	0.302	0.302	0.142
TA08025-B604	15.0	15.8	7.9	63.9	1.34	44.37	1.77	0.88	0.078	0.039	0.069	0.069	0.039
TA08025-B605	15.0	15.8	9.1	75.0	1.34	44.37	1.77	1.02	0.078	0.045	0.070	0.070	0.045
RDIDC-9181-PF-48	16.6	14.6	8.5	21.9	1.34	44.37	1.81	1.05	0.080	0.047	0.072	0.072	0.047

Appurtenance Ice Calculations

Model	tiz (in)	Height	Width	Depth	Weight (lbs)	Kiz	qr (lb/ft ²)	(EPA) _w (ft ²)	(EPA) _h (ft ²)	Front	Side	Wind Force (Kips)		
												Alpha	Beta	Gamma
MX08FRC665-21	1.72	75.44	23.44	11.44	282.33	1.15	7.97	8.85	4.33	0.071	0.034	0.062	0.062	0.034
TA08025-B604	1.72	18.40	19.19	11.31	69.35	1.15	7.97	1.55	0.91	0.012	0.007	0.011	0.011	0.007
TA08025-B605	1.72	18.40	19.19	12.50	73.88	1.15	7.97	1.55	1.01	0.012	0.008	0.011	0.011	0.008
RDIDC-9181-PF-48	1.72	20.01	18.01	11.90	72.81	1.15	7.97	1.58	1.05	0.013	0.008	0.012	0.012	0.008

Round Members

Member	qi (lb/ft ²)	Ar	C	Wind Calculations				Ice Calculations							
				Rr	Cf	EPA (ft ²)	Load (k/ft)	Width (in)	Weight (k/ft)	qi (lb/ft ²)	Arice	Rrice	Cf	EPA (ft ²)	Load (k/ft)
Rail On	44.37	3.83	31.87	0.60	1.20	1.23	0.007	6.32	0.01	7.97	8.42	0.71	1.20	3.21	0.003
Rail Off	44.37	1.92	31.87	0.60	1.20	1.23	0.003	6.32	0.01	7.97	4.21	0.71	1.20	3.21	0.002
Face On	44.37	4.67	38.80	0.60	1.20	1.50	0.008	6.94	0.01	7.97	9.25	0.71	1.20	3.53	0.004
Face Off	44.37	2.33	38.80	0.60	1.20	1.50	0.004	6.94	0.01	7.97	4.63	0.71	1.20	3.53	0.002

Flat Members

Member	qi (lb/ft ²)	Ar	Cf	Wind Calculations				Ice Calculations					
				EPA	Load (k/ft)	Width (in)	Weight (k/ft)	qi (lb/ft ²)	Arice	Rrice	Cf	EPA	Load (k/ft)
SO	44.37	3.40	1.25	2.28	0.008	7.44	0.02	7.97	6.32	0.71	1.25	1.68	0.002
RPL	44.37	3.94	2.00	2.36	0.015	7.94	0.02	7.97	6.95	0.71	2.00	2.95	0.003
Plate	44.37	0.03	2.00	0.01	0.002	3.94	0.01	7.97	0.25	0.71	2.00	0.05	0.002
Crossarm	44.37	4.65	2.00	1.39	0.011	6.82	0.02	7.97	9.38	0.71	2.00	1.99	0.003
CPL	44.37	0.33	2.00	0.20	0.001	3.82	0.01	7.97	3.34	0.71	2.00	1.42	0.002
Angle	44.37	2.30	2.00	0.69	0.007	5.44	0.01	7.97	6.26	0.71	2.00	1.33	0.002

Appurtenance Seismic Calculations

Model	Weight	Sds	p	Cs	As	Ev	Eh
MX08FRC665-21	82.5	0.190	1.000	0.095	1.000	0.003	0.008
TA08025-B604	63.9	0.190	1.000	0.095	1.000	0.002	0.006
TA08025-B605	75.0	0.190	1.000	0.095	1.000	0.003	0.007
RDIDC-9181-PF-48	21.9	0.190	1.000	0.095	1.000	0.001	0.002

APPENDIX C
Software Analysis Output



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
1	SO3	P25	P24		270	HSS4X4X6	Beam	None	A500 Gr.B Rect	Typical
2	SO2	P3	P1		90	HSS4X4X6	Beam	None	A500 Gr.B Rect	Typical
3	SO1	P14	P13		270	HSS4X4X6	Beam	None	A500 Gr.B Rect	Typical
4	RPL3	N116A	N115A		90	Handrail Conn...	Beam	None	A1011 36 Ksi	Typical
5	RPL2	N112A	N111A		270	Handrail Conn...	Beam	None	A1011 36 Ksi	Typical
6	RPL1	N114A	N113A		270	Handrail Conn...	Beam	None	A1011 36 Ksi	Typical
7	RAIL3	N67	N68		270	Handrail	Beam	None	A500 GR.C	Typical
8	RAIL2	N91	N92		270	Handrail	Beam	None	A500 GR.C	Typical
9	RAIL1	N119	N120		90	Handrail	Beam	None	A500 GR.C	Typical
10	PL6	N122B	N132A		270	PL 2.375x0.5	Beam	None	A36 Gr.36	Typical
11	PL5	N126	N125A		90	PL 2.375x0.5	Beam	None	A36 Gr.36	Typical
12	PL4	N125	N134		270	PL 2.375x0.5	Beam	None	A36 Gr.36	Typical
13	PL3	N124B	N128		90	PL 2.375x0.5	Beam	None	A36 Gr.36	Typical
14	PL2	N122A	N137		90	PL 2.375x0.5	Beam	None	A36 Gr.36	Typical
15	PL1	N123A	N131		270	PL 2.375x0.5	Beam	None	A36 Gr.36	Typical
16	MP GAMMA3	N57	N63		300	Antenna Pipes	Beam	None	A500 GR.C	Typical
17	MP GAMMA2	N74	N75		300	Antenna Pipes	Beam	None	A500 GR.C	Typical
18	MP GAMMA1	N60	N66		300	Antenna Pipes	Beam	None	A500 GR.C	Typical
19	MP BETA3	N87	N89		300	Antenna Pipes	Beam	None	A500 GR.C	Typical
20	MP BETA2	N131A	N132B		300	Antenna Pipes	Beam	None	A500 GR.C	Typical
21	MP BETA1	N88	N90		300	Antenna Pipes	Beam	None	A500 GR.C	Typical
22	MP ALPHA3	N115	N117		300	Antenna Pipes	Beam	None	A500 GR.C	Typical
23	MP ALPHA2	N137A	N138A		300	Antenna Pipes	Beam	None	A500 GR.C	Typical
24	MP ALPHA1	N116	N118		300	Antenna Pipes	Beam	None	A500 GR.C	Typical
25	FACE3	N43	N44		270	Face Pipes(3...	Beam	None	A500 GR.C	Typical
26	FACE2	N81A	N82A		270	Face Pipes(3...	Beam	None	A500 GR.C	Typical
27	FACE1	N109	N110		90	Face Pipes(3...	Beam	None	A500 GR.C	Typical
28	CR6	P26	N126		270	Channel(3.38...	Beam	None	A1011 36 Ksi	Typical
29	CR5	P26	N125		270	Channel(3.38...	Beam	None	A1011 36 Ksi	Typical
30	CR4	P4	N122A		90	Channel(3.38...	Beam	None	A1011 36 Ksi	Typical
31	CR3	P4	N124B		90	Channel(3.38...	Beam	None	A1011 36 Ksi	Typical
32	CR2	P15	N122B		90	Channel(3.38...	Beam	None	A1011 36 Ksi	Typical
33	CR1	P15	N123A		90	Channel(3.38...	Beam	None	A1011 36 Ksi	Typical
34	CPL3	P29	P30		90	6.5"x0.37" Plate	Beam	None	A1011 36 Ksi	Typical
35	CPL2	P7	P8		270	6.5"x0.37" Plate	Beam	None	A1011 36 Ksi	Typical
36	CPL1	P18	P19		270	6.5"x0.37" Plate	Beam	None	A1011 36 Ksi	Typical
37	ANGLE6	P32	P33		90	L2x2x4	Beam	None	A36 Gr.36	Typical
38	ANGLE5	P31	P34		180	L2x2x4	Beam	None	A36 Gr.36	Typical
39	ANGLE4	P21	P22		90	L2x2x4	Beam	None	A36 Gr.36	Typical
40	ANGLE3	P9	P12		180	L2x2x4	Beam	None	A36 Gr.36	Typical
41	ANGLE2	P10	P11		270	L2x2x4	Beam	None	A36 Gr.36	Typical
42	ANGLE1	P20	P23			L2x2x4	Beam	None	A36 Gr.36	Typical
43	29	N48A	N70A		90	RIGID	None	None	RIGID	Typical
44	28	N45	N69A		90	RIGID	None	None	RIGID	Typical
45	27	N51	N71A		90	RIGID	None	None	RIGID	Typical
46	26	N54	N72A		90	RIGID	None	None	RIGID	Typical
47	25	N72B	N76		90	RIGID	None	None	RIGID	Typical
48	24	N73	N77		90	RIGID	None	None	RIGID	Typical
49	23	N84	N94		270	RIGID	None	None	RIGID	Typical
50	22	N83A	N93		270	RIGID	None	None	RIGID	Typical
51	21	N85	N95		270	RIGID	None	None	RIGID	Typical
52	20	N86	N96		270	RIGID	None	None	RIGID	Typical
53	19	N126A	N125A		270	RIGID	None	None	RIGID	Typical
54	17	N129	N128		90	RIGID	None	None	RIGID	Typical
55	16	N112	N122		270	RIGID	None	None	RIGID	Typical
56	14	N111	N121		270	RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...)	Section/Shape	Type	Design List	Material	Design R...
57	13	N132	N131		90	RIGID	None	None	RIGID	Typical
58	12	N113	N123		270	RIGID	None	None	RIGID	Typical
59	11	N129B	N133B		270	RIGID	None	None	RIGID	Typical
60	9	N114	N124		270	RIGID	None	None	RIGID	Typical
61	8	N130A	N134A		270	RIGID	None	None	RIGID	Typical
62	7	N133	N132A		270	RIGID	None	None	RIGID	Typical
63	5	N135A	N139		270	RIGID	None	None	RIGID	Typical
64	4	N135	N134		90	RIGID	None	None	RIGID	Typical
65	3	N136	N140		270	RIGID	None	None	RIGID	Typical
66	1	N138	N137		90	RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Def Rat...	Analysis ...	Inactive	Seismic...
1	SO3						Yes	Default			None
2	SO2						Yes				None
3	SO1						Yes	Default			None
4	RPL3						Yes	Default			None
5	RPL2						Yes	Default			None
6	RPL1						Yes	Default			None
7	RAIL3						Yes				None
8	RAIL2						Yes				None
9	RAIL1						Yes				None
10	PL6						Yes				None
11	PL5						Yes				None
12	PL4						Yes				None
13	PL3						Yes				None
14	PL2						Yes				None
15	PL1						Yes				None
16	MP GAMM...						Yes		+y+3		None
17	MP GAMM...						Yes		+y+3		None
18	MP GAMM...						Yes		+y+3		None
19	MP BETA3						Yes		+y+3		None
20	MP BETA2						Yes		+y+3		None
21	MP BETA1						Yes		+y+3		None
22	MP ALPHA3						Yes		+y+3		None
23	MP ALPHA2						Yes		+y+3		None
24	MP ALPHA1						Yes		+y+3		None
25	FACE3						Yes				None
26	FACE2						Yes				None
27	FACE1						Yes	Default			None
28	CR6		OOOXOO				Yes	Default			None
29	CR5		OOOXOO				Yes	Default			None
30	CR4		OOOXOO				Yes	Default			None
31	CR3		OOOXOO				Yes	Default			None
32	CR2		OOOXOO				Yes	Default			None
33	CR1		OOOXOO				Yes	Default			None
34	CPL3	BenPIN	BenPIN				Yes	Default			None
35	CPL2	BenPIN	BenPIN				Yes	Default			None
36	CPL1	BenPIN	BenPIN				Yes	Default			None
37	ANGLE6						Yes				None
38	ANGLE5						Yes				None
39	ANGLE4						Yes				None
40	ANGLE3						Yes	Default			None
41	ANGLE2						Yes	Default			None
42	ANGLE1						Yes				None



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
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	BenPIN					Yes	** NA **			None
54	17	BenPIN					Yes	** NA **			None
55	16						Yes	** NA **			None
56	14						Yes	** NA **			None
57	13	BenPIN					Yes	** NA **			None
58	12						Yes	** NA **			None
59	11						Yes	** NA **			None
60	9						Yes	** NA **			None
61	8						Yes	** NA **			None
62	7	BenPIN					Yes	** NA **			None
63	5						Yes	** NA **			None
64	4	BenPIN					Yes	** NA **			None
65	3						Yes	** NA **			None
66	1	BenPIN					Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torq...	Kyy	Kzz	Cb	Functi...
1	SO3	HSS4X4X6	3.333			Lbyy						Lateral
2	SO2	HSS4X4X6	3.333			Lbyy						Lateral
3	SO1	HSS4X4X6	3.333			Lbyy						Lateral
4	RPL3	Handrail Co...	3.5			Lbyy						Lateral
5	RPL2	Handrail Co...	3.5			Lbyy						Lateral
6	RPL1	Handrail Co...	3.5			Lbyy						Lateral
7	RAIL3	Handrail	8			Lbyy						Lateral
8	RAIL2	Handrail	8			Lbyy						Lateral
9	RAIL1	Handrail	8			Lbyy						Lateral
10	PL6	PL 2.375x0.5	.125									Lateral
11	PL5	PL 2.375x0.5	.125									Lateral
12	PL4	PL 2.375x0.5	.125									Lateral
13	PL3	PL 2.375x0.5	.125									Lateral
14	PL2	PL 2.375x0.5	.125									Lateral
15	PL1	PL 2.375x0.5	.125									Lateral
16	MP GAMMA3	Antenna Pi...	8			Lbyy						Lateral
17	MP GAMMA2	Antenna Pi...	8			Lbyy						Lateral
18	MP GAMMA1	Antenna Pi...	8			Lbyy						Lateral
19	MP BETA3	Antenna Pi...	8			Lbyy						Lateral
20	MP BETA2	Antenna Pi...	8			Lbyy						Lateral
21	MP BETA1	Antenna Pi...	8			Lbyy						Lateral
22	MP ALPHA3	Antenna Pi...	8			Lbyy						Lateral
23	MP ALPHA2	Antenna Pi...	8			Lbyy						Lateral
24	MP ALPHA1	Antenna Pi...	8			Lbyy						Lateral
25	FACE3	Face Pipes...	8			Lbyy						Lateral
26	FACE2	Face Pipes...	8			Lbyy						Lateral
27	FACE1	Face Pipes...	8			Lbyy						Lateral
28	CR6	Channel(3...	2.75			Lbyy						Lateral



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torg...	Kyy	Kzz	Cb	Functi...
29	CR5	Channel(3...	2.75			Lbyy						Lateral
30	CR4	Channel(3...	2.75			Lbyy						Lateral
31	CR3	Channel(3...	2.75			Lbyy						Lateral
32	CR2	Channel(3...	2.75			Lbyy						Lateral
33	CR1	Channel(3...	2.75			Lbyy						Lateral
34	CPL3	6.5"x0.37" ...	3.5			Lbyy						Lateral
35	CPL2	6.5"x0.37" ...	3.5			Lbyy						Lateral
36	CPL1	6.5"x0.37" ...	3.5			Lbyy						Lateral
37	ANGLE6	L2x2x4	2.275			Lbyy						Lateral
38	ANGLE5	L2x2x4	2.275			Lbyy						Lateral
39	ANGLE4	L2x2x4	2.275			Lbyy						Lateral
40	ANGLE3	L2x2x4	2.275			Lbyy						Lateral
41	ANGLE2	L2x2x4	2.275			Lbyy						Lateral
42	ANGLE1	L2x2x4	2.275			Lbyy						Lateral

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	A913 Gr.65	29000	11154	.3	.65	.49	65	1.1	80	1.1
9	A500 GR.C	29000	11154	.3	.65	.49	46	1.6	60	1.2
10	A529 Gr. 50	29000	11154	.3	.65	.49	50	1.1	65	1.1
11	A1011-33Ksi	29000	11154	.3	.65	.49	33	1.5	58	1.2
12	A1011 36 Ksi	29000	11154	.3	.65	.49	36	1.5	58	1.2
13	A1018 50 Ksi	29000	11154	.3	.65	.49	50	1.5	65	1.2

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	-.178	6.5
2	MP ALPHA1	Y	-.178	1.5
3	MP BETA1	Y	-.098	6.5
4	MP BETA1	Y	-.098	1.5
5	MP GAMMA1	Y	-.098	6.5
6	MP GAMMA1	Y	-.098	1.5
7	MP ALPHA1	Y	-.078	4
8	MP BETA1	Y	-.049	4
9	MP GAMMA1	Y	-.049	4
10	MP ALPHA1	Y	-.078	4
11	MP BETA1	Y	-.053	4
12	MP GAMMA1	Y	-.053	4
13	MP ALPHA1	Y	-.08	4

Member Point Loads (BLC 3 : Dead Load)

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



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

Member Point Loads (BLC 3 : Dead Load) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.041	6.5
2	MP ALPHA1	Z	-.041	1.5
3	MP BETA1	Z	-.041	6.5
4	MP BETA1	Z	-.041	1.5
5	MP GAMMA1	Z	-.041	6.5
6	MP GAMMA1	Z	-.041	1.5
7	MP ALPHA1	Z	-.064	4
8	MP BETA1	Z	-.064	4
9	MP GAMMA1	Z	-.064	4
10	MP ALPHA1	Z	-.075	4
11	MP BETA1	Z	-.075	4
12	MP GAMMA1	Z	-.075	4
13	MP ALPHA1	Z	-.022	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.131	6.5
2	MP ALPHA1	Y	-.131	1.5
3	MP ALPHA1	X	-.076	6.5
4	MP ALPHA1	X	-.076	1.5
5	MP BETA1	Y	-.062	6.5
6	MP BETA1	Y	-.062	1.5
7	MP BETA1	X	-.036	6.5
8	MP BETA1	X	-.036	1.5
9	MP GAMMA1	Y	-.131	6.5
10	MP GAMMA1	Y	-.131	1.5
11	MP GAMMA1	X	-.076	6.5
12	MP GAMMA1	X	-.076	1.5
13	MP ALPHA1	Y	-.059	4
14	MP ALPHA1	X	-.034	4
15	MP BETA1	Y	-.034	4
16	MP BETA1	X	-.02	4
17	MP GAMMA1	Y	-.059	4
18	MP GAMMA1	X	-.034	4
19	MP ALPHA1	Y	-.061	4
20	MP ALPHA1	X	-.035	4
21	MP BETA1	Y	-.039	4
22	MP BETA1	X	-.023	4
23	MP GAMMA1	Y	-.061	4
24	MP GAMMA1	X	-.035	4
25	MP ALPHA1	Y	-.062	4
26	MP ALPHA1	X	-.036	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.049	6.5
2	MP ALPHA1	Y	-.049	1.5
3	MP ALPHA1	X	-.085	6.5
4	MP ALPHA1	X	-.085	1.5
5	MP BETA1	Y	-.049	6.5
6	MP BETA1	Y	-.049	1.5
7	MP BETA1	X	-.085	6.5
8	MP BETA1	X	-.085	1.5
9	MP GAMMA1	Y	-.089	6.5
10	MP GAMMA1	Y	-.089	1.5
11	MP GAMMA1	X	-.154	6.5



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP GAMMA1	X	-.154	1.5
13	MP ALPHA1	Y	-.024	4
14	MP ALPHA1	X	-.042	4
15	MP BETA1	Y	-.024	4
16	MP BETA1	X	-.042	4
17	MP GAMMA1	Y	-.039	4
18	MP GAMMA1	X	-.068	4
19	MP ALPHA1	Y	-.027	4
20	MP ALPHA1	X	-.046	4
21	MP BETA1	Y	-.027	4
22	MP BETA1	X	-.046	4
23	MP GAMMA1	Y	-.039	4
24	MP GAMMA1	X	-.068	4
25	MP ALPHA1	Y	-.028	4
26	MP ALPHA1	X	-.048	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.071	6.5
2	MP ALPHA1	X	-.071	1.5
3	MP BETA1	X	-.151	6.5
4	MP BETA1	X	-.151	1.5
5	MP GAMMA1	X	-.151	6.5
6	MP GAMMA1	X	-.151	1.5
7	MP ALPHA1	X	-.039	4
8	MP BETA1	X	-.069	4
9	MP GAMMA1	X	-.069	4
10	MP ALPHA1	X	-.045	4
11	MP BETA1	X	-.07	4
12	MP GAMMA1	X	-.07	4
13	MP ALPHA1	X	-.047	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.049	6.5
2	MP ALPHA1	Y	.049	1.5
3	MP ALPHA1	X	-.085	6.5
4	MP ALPHA1	X	-.085	1.5
5	MP BETA1	Y	.089	6.5
6	MP BETA1	Y	.089	1.5
7	MP BETA1	X	-.154	6.5
8	MP BETA1	X	-.154	1.5
9	MP GAMMA1	Y	.049	6.5
10	MP GAMMA1	Y	.049	1.5
11	MP GAMMA1	X	-.085	6.5
12	MP GAMMA1	X	-.085	1.5
13	MP ALPHA1	Y	.024	4
14	MP ALPHA1	X	-.042	4
15	MP BETA1	Y	.039	4
16	MP BETA1	X	-.068	4
17	MP GAMMA1	Y	.024	4
18	MP GAMMA1	X	-.042	4
19	MP ALPHA1	Y	.027	4
20	MP ALPHA1	X	-.046	4
21	MP BETA1	Y	.039	4
22	MP BETA1	X	-.068	4



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
23	MP GAMMA1	Y	.027	4
24	MP GAMMA1	X	-.046	4
25	MP ALPHA1	Y	.028	4
26	MP ALPHA1	X	-.048	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.131	6.5
2	MP ALPHA1	Y	.131	1.5
3	MP ALPHA1	X	-.076	6.5
4	MP ALPHA1	X	-.076	1.5
5	MP BETA1	Y	.131	6.5
6	MP BETA1	Y	.131	1.5
7	MP BETA1	X	-.076	6.5
8	MP BETA1	X	-.076	1.5
9	MP GAMMA1	Y	.062	6.5
10	MP GAMMA1	Y	.062	1.5
11	MP GAMMA1	X	-.036	6.5
12	MP GAMMA1	X	-.036	1.5
13	MP ALPHA1	Y	.059	4
14	MP ALPHA1	X	-.034	4
15	MP BETA1	Y	.059	4
16	MP BETA1	X	-.034	4
17	MP GAMMA1	Y	.034	4
18	MP GAMMA1	X	-.02	4
19	MP ALPHA1	Y	.061	4
20	MP ALPHA1	X	-.035	4
21	MP BETA1	Y	.061	4
22	MP BETA1	X	-.035	4
23	MP GAMMA1	Y	.039	4
24	MP GAMMA1	X	-.023	4
25	MP ALPHA1	Y	.062	4
26	MP ALPHA1	X	-.036	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.178	6.5
2	MP ALPHA1	Y	.178	1.5
3	MP BETA1	Y	.098	6.5
4	MP BETA1	Y	.098	1.5
5	MP GAMMA1	Y	.098	6.5
6	MP GAMMA1	Y	.098	1.5
7	MP ALPHA1	Y	.078	4
8	MP BETA1	Y	.049	4
9	MP GAMMA1	Y	.049	4
10	MP ALPHA1	Y	.078	4
11	MP BETA1	Y	.053	4
12	MP GAMMA1	Y	.053	4
13	MP ALPHA1	Y	.08	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.131	6.5
2	MP ALPHA1	Y	.131	1.5
3	MP ALPHA1	X	.076	6.5



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
4	MP ALPHA1	X	.076	1.5
5	MP BETA1	Y	.062	6.5
6	MP BETA1	Y	.062	1.5
7	MP BETA1	X	.036	6.5
8	MP BETA1	X	.036	1.5
9	MP GAMMA1	Y	.131	6.5
10	MP GAMMA1	Y	.131	1.5
11	MP GAMMA1	X	.076	6.5
12	MP GAMMA1	X	.076	1.5
13	MP ALPHA1	Y	.059	4
14	MP ALPHA1	X	.034	4
15	MP BETA1	Y	.034	4
16	MP BETA1	X	.02	4
17	MP GAMMA1	Y	.059	4
18	MP GAMMA1	X	.034	4
19	MP ALPHA1	Y	.061	4
20	MP ALPHA1	X	.035	4
21	MP BETA1	Y	.039	4
22	MP BETA1	X	.023	4
23	MP GAMMA1	Y	.061	4
24	MP GAMMA1	X	.035	4
25	MP ALPHA1	Y	.062	4
26	MP ALPHA1	X	.036	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.049	6.5
2	MP ALPHA1	Y	.049	1.5
3	MP ALPHA1	X	.085	6.5
4	MP ALPHA1	X	.085	1.5
5	MP BETA1	Y	.049	6.5
6	MP BETA1	Y	.049	1.5
7	MP BETA1	X	.085	6.5
8	MP BETA1	X	.085	1.5
9	MP GAMMA1	Y	.089	6.5
10	MP GAMMA1	Y	.089	1.5
11	MP GAMMA1	X	.154	6.5
12	MP GAMMA1	X	.154	1.5
13	MP ALPHA1	Y	.024	4
14	MP ALPHA1	X	.042	4
15	MP BETA1	Y	.024	4
16	MP BETA1	X	.042	4
17	MP GAMMA1	Y	.039	4
18	MP GAMMA1	X	.068	4
19	MP ALPHA1	Y	.027	4
20	MP ALPHA1	X	.046	4
21	MP BETA1	Y	.027	4
22	MP BETA1	X	.046	4
23	MP GAMMA1	Y	.039	4
24	MP GAMMA1	X	.068	4
25	MP ALPHA1	Y	.028	4
26	MP ALPHA1	X	.048	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.071	6.5



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
2	MP ALPHA1	X	.071	1.5
3	MP BETA1	X	.151	6.5
4	MP BETA1	X	.151	1.5
5	MP GAMMA1	X	.151	6.5
6	MP GAMMA1	X	.151	1.5
7	MP ALPHA1	X	.039	4
8	MP BETA1	X	.069	4
9	MP GAMMA1	X	.069	4
10	MP ALPHA1	X	.045	4
11	MP BETA1	X	.07	4
12	MP GAMMA1	X	.07	4
13	MP ALPHA1	X	.047	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.049	6.5
2	MP ALPHA1	Y	-.049	1.5
3	MP ALPHA1	X	.085	6.5
4	MP ALPHA1	X	.085	1.5
5	MP BETA1	Y	-.089	6.5
6	MP BETA1	Y	-.089	1.5
7	MP BETA1	X	.154	6.5
8	MP BETA1	X	.154	1.5
9	MP GAMMA1	Y	-.049	6.5
10	MP GAMMA1	Y	-.049	1.5
11	MP GAMMA1	X	.085	6.5
12	MP GAMMA1	X	.085	1.5
13	MP ALPHA1	Y	-.024	4
14	MP ALPHA1	X	.042	4
15	MP BETA1	Y	-.039	4
16	MP BETA1	X	.068	4
17	MP GAMMA1	Y	-.024	4
18	MP GAMMA1	X	.042	4
19	MP ALPHA1	Y	-.027	4
20	MP ALPHA1	X	.046	4
21	MP BETA1	Y	-.039	4
22	MP BETA1	X	.068	4
23	MP GAMMA1	Y	-.027	4
24	MP GAMMA1	X	.046	4
25	MP ALPHA1	Y	-.028	4
26	MP ALPHA1	X	.048	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.131	6.5
2	MP ALPHA1	Y	-.131	1.5
3	MP ALPHA1	X	.076	6.5
4	MP ALPHA1	X	.076	1.5
5	MP BETA1	Y	-.131	6.5
6	MP BETA1	Y	-.131	1.5
7	MP BETA1	X	.076	6.5
8	MP BETA1	X	.076	1.5
9	MP GAMMA1	Y	-.062	6.5
10	MP GAMMA1	Y	-.062	1.5
11	MP GAMMA1	X	.036	6.5
12	MP GAMMA1	X	.036	1.5



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
13	MP ALPHA1	Y	-.059	4
14	MP ALPHA1	X	.034	4
15	MP BETA1	Y	-.059	4
16	MP BETA1	X	.034	4
17	MP GAMMA1	Y	-.034	4
18	MP GAMMA1	X	.02	4
19	MP ALPHA1	Y	-.061	4
20	MP ALPHA1	X	.035	4
21	MP BETA1	Y	-.061	4
22	MP BETA1	X	.035	4
23	MP GAMMA1	Y	-.039	4
24	MP GAMMA1	X	.023	4
25	MP ALPHA1	Y	-.062	4
26	MP ALPHA1	X	.036	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.011	6.5
2	MP ALPHA1	Y	-.011	1.5
3	MP BETA1	Y	-.006	6.5
4	MP BETA1	Y	-.006	1.5
5	MP GAMMA1	Y	-.006	6.5
6	MP GAMMA1	Y	-.006	1.5
7	MP ALPHA1	Y	-.005	4
8	MP BETA1	Y	-.003	4
9	MP GAMMA1	Y	-.003	4
10	MP ALPHA1	Y	-.005	4
11	MP BETA1	Y	-.003	4
12	MP GAMMA1	Y	-.003	4
13	MP ALPHA1	Y	-.005	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.008	6.5
2	MP ALPHA1	Y	-.008	1.5
3	MP ALPHA1	X	-.005	6.5
4	MP ALPHA1	X	-.005	1.5
5	MP BETA1	Y	-.004	6.5
6	MP BETA1	Y	-.004	1.5
7	MP BETA1	X	-.002	6.5
8	MP BETA1	X	-.002	1.5
9	MP GAMMA1	Y	-.008	6.5
10	MP GAMMA1	Y	-.008	1.5
11	MP GAMMA1	X	-.005	6.5
12	MP GAMMA1	X	-.005	1.5
13	MP ALPHA1	Y	-.004	4
14	MP ALPHA1	X	-.002	4
15	MP BETA1	Y	-.002	4
16	MP BETA1	X	-.001	4
17	MP GAMMA1	Y	-.004	4
18	MP GAMMA1	X	-.002	4
19	MP ALPHA1	Y	-.004	4
20	MP ALPHA1	X	-.002	4
21	MP BETA1	Y	-.003	4
22	MP BETA1	X	-.001	4
23	MP GAMMA1	Y	-.004	4



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
24	MP GAMMA1	X	-0.002	4
25	MP ALPHA1	Y	-0.004	4
26	MP ALPHA1	X	-0.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-0.003	6.5
2	MP ALPHA1	Y	-0.003	1.5
3	MP ALPHA1	X	-0.005	6.5
4	MP ALPHA1	X	-0.005	1.5
5	MP BETA1	Y	-0.003	6.5
6	MP BETA1	Y	-0.003	1.5
7	MP BETA1	X	-0.005	6.5
8	MP BETA1	X	-0.005	1.5
9	MP GAMMA1	Y	-0.006	6.5
10	MP GAMMA1	Y	-0.006	1.5
11	MP GAMMA1	X	-.01	6.5
12	MP GAMMA1	X	-.01	1.5
13	MP ALPHA1	Y	-0.002	4
14	MP ALPHA1	X	-0.003	4
15	MP BETA1	Y	-0.002	4
16	MP BETA1	X	-0.003	4
17	MP GAMMA1	Y	-0.003	4
18	MP GAMMA1	X	-0.004	4
19	MP ALPHA1	Y	-0.002	4
20	MP ALPHA1	X	-0.003	4
21	MP BETA1	Y	-0.002	4
22	MP BETA1	X	-0.003	4
23	MP GAMMA1	Y	-0.003	4
24	MP GAMMA1	X	-0.004	4
25	MP ALPHA1	Y	-0.002	4
26	MP ALPHA1	X	-0.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-0.005	6.5
2	MP ALPHA1	X	-0.005	1.5
3	MP BETA1	X	-.01	6.5
4	MP BETA1	X	-.01	1.5
5	MP GAMMA1	X	-.01	6.5
6	MP GAMMA1	X	-.01	1.5
7	MP ALPHA1	X	-0.003	4
8	MP BETA1	X	-0.004	4
9	MP GAMMA1	X	-0.004	4
10	MP ALPHA1	X	-0.003	4
11	MP BETA1	X	-0.005	4
12	MP GAMMA1	X	-0.005	4
13	MP ALPHA1	X	-0.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.003	6.5
2	MP ALPHA1	Y	.003	1.5
3	MP ALPHA1	X	-0.005	6.5
4	MP ALPHA1	X	-0.005	1.5



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
5	MP BETA1	Y	.006	6.5
6	MP BETA1	Y	.006	1.5
7	MP BETA1	X	-.01	6.5
8	MP BETA1	X	-.01	1.5
9	MP GAMMA1	Y	.003	6.5
10	MP GAMMA1	Y	.003	1.5
11	MP GAMMA1	X	-.005	6.5
12	MP GAMMA1	X	-.005	1.5
13	MP ALPHA1	Y	.002	4
14	MP ALPHA1	X	-.003	4
15	MP BETA1	Y	.003	4
16	MP BETA1	X	-.004	4
17	MP GAMMA1	Y	.002	4
18	MP GAMMA1	X	-.003	4
19	MP ALPHA1	Y	.002	4
20	MP ALPHA1	X	-.003	4
21	MP BETA1	Y	.003	4
22	MP BETA1	X	-.004	4
23	MP GAMMA1	Y	.002	4
24	MP GAMMA1	X	-.003	4
25	MP ALPHA1	Y	.002	4
26	MP ALPHA1	X	-.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.008	6.5
2	MP ALPHA1	Y	.008	1.5
3	MP ALPHA1	X	-.005	6.5
4	MP ALPHA1	X	-.005	1.5
5	MP BETA1	Y	.008	6.5
6	MP BETA1	Y	.008	1.5
7	MP BETA1	X	-.005	6.5
8	MP BETA1	X	-.005	1.5
9	MP GAMMA1	Y	.004	6.5
10	MP GAMMA1	Y	.004	1.5
11	MP GAMMA1	X	-.002	6.5
12	MP GAMMA1	X	-.002	1.5
13	MP ALPHA1	Y	.004	4
14	MP ALPHA1	X	-.002	4
15	MP BETA1	Y	.004	4
16	MP BETA1	X	-.002	4
17	MP GAMMA1	Y	.002	4
18	MP GAMMA1	X	-.001	4
19	MP ALPHA1	Y	.004	4
20	MP ALPHA1	X	-.002	4
21	MP BETA1	Y	.004	4
22	MP BETA1	X	-.002	4
23	MP GAMMA1	Y	.003	4
24	MP GAMMA1	X	-.001	4
25	MP ALPHA1	Y	.004	4
26	MP ALPHA1	X	-.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.011	6.5
2	MP ALPHA1	Y	.011	1.5



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
3	MP BETA1	Y	.006	6.5
4	MP BETA1	Y	.006	1.5
5	MP GAMMA1	Y	.006	6.5
6	MP GAMMA1	Y	.006	1.5
7	MP ALPHA1	Y	.005	4
8	MP BETA1	Y	.003	4
9	MP GAMMA1	Y	.003	4
10	MP ALPHA1	Y	.005	4
11	MP BETA1	Y	.003	4
12	MP GAMMA1	Y	.003	4
13	MP ALPHA1	Y	.005	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.008	6.5
2	MP ALPHA1	Y	.008	1.5
3	MP ALPHA1	X	.005	6.5
4	MP ALPHA1	X	.005	1.5
5	MP BETA1	Y	.004	6.5
6	MP BETA1	Y	.004	1.5
7	MP BETA1	X	.002	6.5
8	MP BETA1	X	.002	1.5
9	MP GAMMA1	Y	.008	6.5
10	MP GAMMA1	Y	.008	1.5
11	MP GAMMA1	X	.005	6.5
12	MP GAMMA1	X	.005	1.5
13	MP ALPHA1	Y	.004	4
14	MP ALPHA1	X	.002	4
15	MP BETA1	Y	.002	4
16	MP BETA1	X	.001	4
17	MP GAMMA1	Y	.004	4
18	MP GAMMA1	X	.002	4
19	MP ALPHA1	Y	.004	4
20	MP ALPHA1	X	.002	4
21	MP BETA1	Y	.003	4
22	MP BETA1	X	.001	4
23	MP GAMMA1	Y	.004	4
24	MP GAMMA1	X	.002	4
25	MP ALPHA1	Y	.004	4
26	MP ALPHA1	X	.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.003	6.5
2	MP ALPHA1	Y	.003	1.5
3	MP ALPHA1	X	.005	6.5
4	MP ALPHA1	X	.005	1.5
5	MP BETA1	Y	.003	6.5
6	MP BETA1	Y	.003	1.5
7	MP BETA1	X	.005	6.5
8	MP BETA1	X	.005	1.5
9	MP GAMMA1	Y	.006	6.5
10	MP GAMMA1	Y	.006	1.5
11	MP GAMMA1	X	.01	6.5
12	MP GAMMA1	X	.01	1.5
13	MP ALPHA1	Y	.002	4



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
14	MP ALPHA1	X	.003	4
15	MP BETA1	Y	.002	4
16	MP BETA1	X	.003	4
17	MP GAMMA1	Y	.003	4
18	MP GAMMA1	X	.004	4
19	MP ALPHA1	Y	.002	4
20	MP ALPHA1	X	.003	4
21	MP BETA1	Y	.002	4
22	MP BETA1	X	.003	4
23	MP GAMMA1	Y	.003	4
24	MP GAMMA1	X	.004	4
25	MP ALPHA1	Y	.002	4
26	MP ALPHA1	X	.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.005	6.5
2	MP ALPHA1	X	.005	1.5
3	MP BETA1	X	.01	6.5
4	MP BETA1	X	.01	1.5
5	MP GAMMA1	X	.01	6.5
6	MP GAMMA1	X	.01	1.5
7	MP ALPHA1	X	.003	4
8	MP BETA1	X	.004	4
9	MP GAMMA1	X	.004	4
10	MP ALPHA1	X	.003	4
11	MP BETA1	X	.005	4
12	MP GAMMA1	X	.005	4
13	MP ALPHA1	X	.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.003	6.5
2	MP ALPHA1	Y	-.003	1.5
3	MP ALPHA1	X	.005	6.5
4	MP ALPHA1	X	.005	1.5
5	MP BETA1	Y	-.006	6.5
6	MP BETA1	Y	-.006	1.5
7	MP BETA1	X	.01	6.5
8	MP BETA1	X	.01	1.5
9	MP GAMMA1	Y	-.003	6.5
10	MP GAMMA1	Y	-.003	1.5
11	MP GAMMA1	X	.005	6.5
12	MP GAMMA1	X	.005	1.5
13	MP ALPHA1	Y	-.002	4
14	MP ALPHA1	X	.003	4
15	MP BETA1	Y	-.003	4
16	MP BETA1	X	.004	4
17	MP GAMMA1	Y	-.002	4
18	MP GAMMA1	X	.003	4
19	MP ALPHA1	Y	-.002	4
20	MP ALPHA1	X	.003	4
21	MP BETA1	Y	-.003	4
22	MP BETA1	X	.004	4
23	MP GAMMA1	Y	-.002	4
24	MP GAMMA1	X	.003	4



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	MP ALPHA1	Y	-.002	4
26	MP ALPHA1	X	.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.008	6.5
2	MP ALPHA1	Y	-.008	1.5
3	MP ALPHA1	X	.005	6.5
4	MP ALPHA1	X	.005	1.5
5	MP BETA1	Y	-.008	6.5
6	MP BETA1	Y	-.008	1.5
7	MP BETA1	X	.005	6.5
8	MP BETA1	X	.005	1.5
9	MP GAMMA1	Y	-.004	6.5
10	MP GAMMA1	Y	-.004	1.5
11	MP GAMMA1	X	.002	6.5
12	MP GAMMA1	X	.002	1.5
13	MP ALPHA1	Y	-.004	4
14	MP ALPHA1	X	.002	4
15	MP BETA1	Y	-.004	4
16	MP BETA1	X	.002	4
17	MP GAMMA1	Y	-.002	4
18	MP GAMMA1	X	.001	4
19	MP ALPHA1	Y	-.004	4
20	MP ALPHA1	X	.002	4
21	MP BETA1	Y	-.004	4
22	MP BETA1	X	.002	4
23	MP GAMMA1	Y	-.003	4
24	MP GAMMA1	X	.001	4
25	MP ALPHA1	Y	-.004	4
26	MP ALPHA1	X	.002	4

Member Point Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.141	6.5
2	MP ALPHA1	Z	-.141	1.5
3	MP BETA1	Z	-.141	6.5
4	MP BETA1	Z	-.141	1.5
5	MP GAMMA1	Z	-.141	6.5
6	MP GAMMA1	Z	-.141	1.5
7	MP ALPHA1	Z	-.069	4
8	MP BETA1	Z	-.069	4
9	MP GAMMA1	Z	-.069	4
10	MP ALPHA1	Z	-.074	4
11	MP BETA1	Z	-.074	4
12	MP GAMMA1	Z	-.074	4
13	MP ALPHA1	Z	-.073	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.035	6.5
2	MP ALPHA1	Y	-.035	1.5
3	MP BETA1	Y	-.022	6.5
4	MP BETA1	Y	-.022	1.5
5	MP GAMMA1	Y	-.022	6.5



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP GAMMA1	Y	-.022	1.5
7	MP ALPHA1	Y	-.012	4
8	MP BETA1	Y	-.009	4
9	MP GAMMA1	Y	-.009	4
10	MP ALPHA1	Y	-.012	4
11	MP BETA1	Y	-.009	4
12	MP GAMMA1	Y	-.009	4
13	MP ALPHA1	Y	-.013	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.027	6.5
2	MP ALPHA1	Y	-.027	1.5
3	MP ALPHA1	X	-.015	6.5
4	MP ALPHA1	X	-.015	1.5
5	MP BETA1	Y	-.015	6.5
6	MP BETA1	Y	-.015	1.5
7	MP BETA1	X	-.009	6.5
8	MP BETA1	X	-.009	1.5
9	MP GAMMA1	Y	-.027	6.5
10	MP GAMMA1	Y	-.027	1.5
11	MP GAMMA1	X	-.015	6.5
12	MP GAMMA1	X	-.015	1.5
13	MP ALPHA1	Y	-.01	4
14	MP ALPHA1	X	-.006	4
15	MP BETA1	Y	-.006	4
16	MP BETA1	X	-.004	4
17	MP GAMMA1	Y	-.01	4
18	MP GAMMA1	X	-.006	4
19	MP ALPHA1	Y	-.01	4
20	MP ALPHA1	X	-.006	4
21	MP BETA1	Y	-.007	4
22	MP BETA1	X	-.004	4
23	MP GAMMA1	Y	-.01	4
24	MP GAMMA1	X	-.006	4
25	MP ALPHA1	Y	-.01	4
26	MP ALPHA1	X	-.006	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.011	6.5
2	MP ALPHA1	Y	-.011	1.5
3	MP ALPHA1	X	-.019	6.5
4	MP ALPHA1	X	-.019	1.5
5	MP BETA1	Y	-.011	6.5
6	MP BETA1	Y	-.011	1.5
7	MP BETA1	X	-.019	6.5
8	MP BETA1	X	-.019	1.5
9	MP GAMMA1	Y	-.018	6.5
10	MP GAMMA1	Y	-.018	1.5
11	MP GAMMA1	X	-.031	6.5
12	MP GAMMA1	X	-.031	1.5
13	MP ALPHA1	Y	-.004	4
14	MP ALPHA1	X	-.007	4
15	MP BETA1	Y	-.004	4
16	MP BETA1	X	-.007	4



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
17	MP GAMMA1	Y	-.006	4
18	MP GAMMA1	X	-.011	4
19	MP ALPHA1	Y	-.005	4
20	MP ALPHA1	X	-.008	4
21	MP BETA1	Y	-.005	4
22	MP BETA1	X	-.008	4
23	MP GAMMA1	Y	-.006	4
24	MP GAMMA1	X	-.011	4
25	MP ALPHA1	Y	-.005	4
26	MP ALPHA1	X	-.008	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.017	6.5
2	MP ALPHA1	X	-.017	1.5
3	MP BETA1	X	-.031	6.5
4	MP BETA1	X	-.031	1.5
5	MP GAMMA1	X	-.031	6.5
6	MP GAMMA1	X	-.031	1.5
7	MP ALPHA1	X	-.007	4
8	MP BETA1	X	-.011	4
9	MP GAMMA1	X	-.011	4
10	MP ALPHA1	X	-.008	4
11	MP BETA1	X	-.011	4
12	MP GAMMA1	X	-.011	4
13	MP ALPHA1	X	-.008	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.011	6.5
2	MP ALPHA1	Y	.011	1.5
3	MP ALPHA1	X	-.019	6.5
4	MP ALPHA1	X	-.019	1.5
5	MP BETA1	Y	.018	6.5
6	MP BETA1	Y	.018	1.5
7	MP BETA1	X	-.031	6.5
8	MP BETA1	X	-.031	1.5
9	MP GAMMA1	Y	.011	6.5
10	MP GAMMA1	Y	.011	1.5
11	MP GAMMA1	X	-.019	6.5
12	MP GAMMA1	X	-.019	1.5
13	MP ALPHA1	Y	.004	4
14	MP ALPHA1	X	-.007	4
15	MP BETA1	Y	.006	4
16	MP BETA1	X	-.011	4
17	MP GAMMA1	Y	.004	4
18	MP GAMMA1	X	-.007	4
19	MP ALPHA1	Y	.005	4
20	MP ALPHA1	X	-.008	4
21	MP BETA1	Y	.006	4
22	MP BETA1	X	-.011	4
23	MP GAMMA1	Y	.005	4
24	MP GAMMA1	X	-.008	4
25	MP ALPHA1	Y	.005	4
26	MP ALPHA1	X	-.008	4



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.027	6.5
2	MP ALPHA1	Y	.027	1.5
3	MP ALPHA1	X	-.015	6.5
4	MP ALPHA1	X	-.015	1.5
5	MP BETA1	Y	.027	6.5
6	MP BETA1	Y	.027	1.5
7	MP BETA1	X	-.015	6.5
8	MP BETA1	X	-.015	1.5
9	MP GAMMA1	Y	.015	6.5
10	MP GAMMA1	Y	.015	1.5
11	MP GAMMA1	X	-.009	6.5
12	MP GAMMA1	X	-.009	1.5
13	MP ALPHA1	Y	.01	4
14	MP ALPHA1	X	-.006	4
15	MP BETA1	Y	.01	4
16	MP BETA1	X	-.006	4
17	MP GAMMA1	Y	.006	4
18	MP GAMMA1	X	-.004	4
19	MP ALPHA1	Y	.01	4
20	MP ALPHA1	X	-.006	4
21	MP BETA1	Y	.01	4
22	MP BETA1	X	-.006	4
23	MP GAMMA1	Y	.007	4
24	MP GAMMA1	X	-.004	4
25	MP ALPHA1	Y	.01	4
26	MP ALPHA1	X	-.006	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.035	6.5
2	MP ALPHA1	Y	.035	1.5
3	MP BETA1	Y	.022	6.5
4	MP BETA1	Y	.022	1.5
5	MP GAMMA1	Y	.022	6.5
6	MP GAMMA1	Y	.022	1.5
7	MP ALPHA1	Y	.012	4
8	MP BETA1	Y	.009	4
9	MP GAMMA1	Y	.009	4
10	MP ALPHA1	Y	.012	4
11	MP BETA1	Y	.009	4
12	MP GAMMA1	Y	.009	4
13	MP ALPHA1	Y	.013	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.027	6.5
2	MP ALPHA1	Y	.027	1.5
3	MP ALPHA1	X	.015	6.5
4	MP ALPHA1	X	.015	1.5
5	MP BETA1	Y	.015	6.5
6	MP BETA1	Y	.015	1.5
7	MP BETA1	X	.009	6.5
8	MP BETA1	X	.009	1.5
9	MP GAMMA1	Y	.027	6.5
10	MP GAMMA1	Y	.027	1.5
11	MP GAMMA1	X	.015	6.5



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP GAMMA1	X	.015	1.5
13	MP ALPHA1	Y	.01	4
14	MP ALPHA1	X	.006	4
15	MP BETA1	Y	.006	4
16	MP BETA1	X	.004	4
17	MP GAMMA1	Y	.01	4
18	MP GAMMA1	X	.006	4
19	MP ALPHA1	Y	.01	4
20	MP ALPHA1	X	.006	4
21	MP BETA1	Y	.007	4
22	MP BETA1	X	.004	4
23	MP GAMMA1	Y	.01	4
24	MP GAMMA1	X	.006	4
25	MP ALPHA1	Y	.01	4
26	MP ALPHA1	X	.006	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.011	6.5
2	MP ALPHA1	Y	.011	1.5
3	MP ALPHA1	X	.019	6.5
4	MP ALPHA1	X	.019	1.5
5	MP BETA1	Y	.011	6.5
6	MP BETA1	Y	.011	1.5
7	MP BETA1	X	.019	6.5
8	MP BETA1	X	.019	1.5
9	MP GAMMA1	Y	.018	6.5
10	MP GAMMA1	Y	.018	1.5
11	MP GAMMA1	X	.031	6.5
12	MP GAMMA1	X	.031	1.5
13	MP ALPHA1	Y	.004	4
14	MP ALPHA1	X	.007	4
15	MP BETA1	Y	.004	4
16	MP BETA1	X	.007	4
17	MP GAMMA1	Y	.006	4
18	MP GAMMA1	X	.011	4
19	MP ALPHA1	Y	.005	4
20	MP ALPHA1	X	.008	4
21	MP BETA1	Y	.005	4
22	MP BETA1	X	.008	4
23	MP GAMMA1	Y	.006	4
24	MP GAMMA1	X	.011	4
25	MP ALPHA1	Y	.005	4
26	MP ALPHA1	X	.008	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.017	6.5
2	MP ALPHA1	X	.017	1.5
3	MP BETA1	X	.031	6.5
4	MP BETA1	X	.031	1.5
5	MP GAMMA1	X	.031	6.5
6	MP GAMMA1	X	.031	1.5
7	MP ALPHA1	X	.007	4
8	MP BETA1	X	.011	4
9	MP GAMMA1	X	.011	4



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
10	MP ALPHA1	X	.008	4
11	MP BETA1	X	.011	4
12	MP GAMMA1	X	.011	4
13	MP ALPHA1	X	.008	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.011	6.5
2	MP ALPHA1	Y	-.011	1.5
3	MP ALPHA1	X	.019	6.5
4	MP ALPHA1	X	.019	1.5
5	MP BETA1	Y	-.018	6.5
6	MP BETA1	Y	-.018	1.5
7	MP BETA1	X	.031	6.5
8	MP BETA1	X	.031	1.5
9	MP GAMMA1	Y	-.011	6.5
10	MP GAMMA1	Y	-.011	1.5
11	MP GAMMA1	X	.019	6.5
12	MP GAMMA1	X	.019	1.5
13	MP ALPHA1	Y	-.004	4
14	MP ALPHA1	X	.007	4
15	MP BETA1	Y	-.006	4
16	MP BETA1	X	.011	4
17	MP GAMMA1	Y	-.004	4
18	MP GAMMA1	X	.007	4
19	MP ALPHA1	Y	-.005	4
20	MP ALPHA1	X	.008	4
21	MP BETA1	Y	-.006	4
22	MP BETA1	X	.011	4
23	MP GAMMA1	Y	-.005	4
24	MP GAMMA1	X	.008	4
25	MP ALPHA1	Y	-.005	4
26	MP ALPHA1	X	.008	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.027	6.5
2	MP ALPHA1	Y	-.027	1.5
3	MP ALPHA1	X	.015	6.5
4	MP ALPHA1	X	.015	1.5
5	MP BETA1	Y	-.027	6.5
6	MP BETA1	Y	-.027	1.5
7	MP BETA1	X	.015	6.5
8	MP BETA1	X	.015	1.5
9	MP GAMMA1	Y	-.015	6.5
10	MP GAMMA1	Y	-.015	1.5
11	MP GAMMA1	X	.009	6.5
12	MP GAMMA1	X	.009	1.5
13	MP ALPHA1	Y	-.01	4
14	MP ALPHA1	X	.006	4
15	MP BETA1	Y	-.01	4
16	MP BETA1	X	.006	4
17	MP GAMMA1	Y	-.006	4
18	MP GAMMA1	X	.004	4
19	MP ALPHA1	Y	-.01	4
20	MP ALPHA1	X	.006	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
21	MP BETA1	Y	-.01	4
22	MP BETA1	X	.006	4
23	MP GAMMA1	Y	-.007	4
24	MP GAMMA1	X	.004	4
25	MP ALPHA1	Y	-.01	4
26	MP ALPHA1	X	.006	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.004	6.5
2	MP ALPHA1	X	-.004	1.5
3	MP BETA1	X	-.004	6.5
4	MP BETA1	X	-.004	1.5
5	MP GAMMA1	X	-.004	6.5
6	MP GAMMA1	X	-.004	1.5
7	MP ALPHA1	X	-.006	4
8	MP BETA1	X	-.006	4
9	MP GAMMA1	X	-.006	4
10	MP ALPHA1	X	-.007	4
11	MP BETA1	X	-.007	4
12	MP GAMMA1	X	-.007	4
13	MP ALPHA1	X	-.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.004	6.5
2	MP ALPHA1	Y	-.004	1.5
3	MP BETA1	Y	-.004	6.5
4	MP BETA1	Y	-.004	1.5
5	MP GAMMA1	Y	-.004	6.5
6	MP GAMMA1	Y	-.004	1.5
7	MP ALPHA1	Y	-.006	4
8	MP BETA1	Y	-.006	4
9	MP GAMMA1	Y	-.006	4
10	MP ALPHA1	Y	-.007	4
11	MP BETA1	Y	-.007	4
12	MP GAMMA1	Y	-.007	4
13	MP ALPHA1	Y	-.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.002	6.5
2	MP ALPHA1	Z	-.002	1.5
3	MP BETA1	Z	-.002	6.5
4	MP BETA1	Z	-.002	1.5
5	MP GAMMA1	Z	-.002	6.5
6	MP GAMMA1	Z	-.002	1.5
7	MP ALPHA1	Z	-.002	4
8	MP BETA1	Z	-.002	4
9	MP GAMMA1	Z	-.002	4
10	MP ALPHA1	Z	-.003	4
11	MP BETA1	Z	-.003	4
12	MP GAMMA1	Z	-.003	4
13	MP ALPHA1	Z	-.00083	4



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3	PY	-0.008	-0.008	0	0
2	SO2	PY	-0.008	-0.008	0	0
3	SO1	PY	-0.008	-0.008	0	0
4	RPL3	PY	-0.015	-0.015	0	0
5	RPL2	PY	-0.015	-0.015	0	0
6	RPL1	PY	-0.015	-0.015	0	0
7	RAIL3	PY	-0.007	-0.007	0	0
8	RAIL2	PY	-0.007	-0.007	0	0
9	RAIL1	PY	-0.003	-0.003	0	0
10	PL6	PY	-0.002	-0.002	0	0
11	PL5	PY	-0.002	-0.002	0	0
12	PL4	PY	-0.002	-0.002	0	0
13	PL3	PY	-0.002	-0.002	0	0
14	PL2	PY	-0.002	-0.002	0	0
15	PL1	PY	-0.002	-0.002	0	0
16	MP GAMMA3	PY	-0.009	-0.009	0	0
17	MP GAMMA2	PY	-0.009	-0.009	0	0
18	MP GAMMA1	PY	-0.009	-0.009	0	0
19	MP BETA3	PY	-0.009	-0.009	0	0
20	MP BETA2	PY	-0.009	-0.009	0	0
21	MP BETA1	PY	-0.009	-0.009	0	0
22	MP ALPHA3	PY	-0.009	-0.009	0	0
23	MP ALPHA2	PY	-0.009	-0.009	0	0
24	MP ALPHA1	PY	-0.009	-0.009	0	0
25	FACE3	PY	-0.008	-0.008	0	0
26	FACE2	PY	-0.008	-0.008	0	0
27	FACE1	PY	-0.004	-0.004	0	0
28	CR6	PY	-0.011	-0.011	0	0
29	CR5	PY	-0.011	-0.011	0	0
30	CR4	PY	-0.011	-0.011	0	0
31	CR3	PY	-0.011	-0.011	0	0
32	CR2	PY	-0.011	-0.011	0	0
33	CR1	PY	-0.011	-0.011	0	0
34	CPL3	PY	-0.001	-0.001	0	0
35	CPL2	PY	-0.001	-0.001	0	0
36	CPL1	PY	-0.001	-0.001	0	0
37	ANGLE6	PY	-0.007	-0.007	0	0
38	ANGLE5	PY	-0.007	-0.007	0	0
39	ANGLE4	PY	-0.007	-0.007	0	0
40	ANGLE3	PY	-0.007	-0.007	0	0
41	ANGLE2	PY	-0.007	-0.007	0	0
42	ANGLE1	PY	-0.007	-0.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3	PY	-0.007	-0.007	0	0
2	SO2	PY	-0.007	-0.007	0	0
3	SO1	PY	-0.007	-0.007	0	0
4	RPL3	PY	-0.013	-0.013	0	0
5	RPL2	PY	-0.013	-0.013	0	0
6	RPL1	PY	-0.013	-0.013	0	0
7	RAIL3	PY	-0.006	-0.006	0	0
8	RAIL2	PY	-0.006	-0.006	0	0
9	RAIL1	PY	-0.003	-0.003	0	0
10	PL6	PY	-0.001	-0.001	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]
11	PL5	PY	-0.001	-0.001	0	0
12	PL4	PY	-0.001	-0.001	0	0
13	PL3	PY	-0.001	-0.001	0	0
14	PL2	PY	-0.001	-0.001	0	0
15	PL1	PY	-0.001	-0.001	0	0
16	MP GAMMA3	PY	-0.008	-0.008	0	0
17	MP GAMMA2	PY	-0.008	-0.008	0	0
18	MP GAMMA1	PY	-0.008	-0.008	0	0
19	MP BETA3	PY	-0.008	-0.008	0	0
20	MP BETA2	PY	-0.008	-0.008	0	0
21	MP BETA1	PY	-0.008	-0.008	0	0
22	MP ALPHA3	PY	-0.008	-0.008	0	0
23	MP ALPHA2	PY	-0.008	-0.008	0	0
24	MP ALPHA1	PY	-0.008	-0.008	0	0
25	FACE3	PY	-0.007	-0.007	0	0
26	FACE2	PY	-0.007	-0.007	0	0
27	FACE1	PY	-0.004	-0.004	0	0
28	CR6	PY	-0.01	-0.01	0	0
29	CR5	PY	-0.01	-0.01	0	0
30	CR4	PY	-0.01	-0.01	0	0
31	CR3	PY	-0.01	-0.01	0	0
32	CR2	PY	-0.01	-0.01	0	0
33	CR1	PY	-0.01	-0.01	0	0
34	CPL3	PY	-0.001	-0.001	0	0
35	CPL2	PY	-0.001	-0.001	0	0
36	CPL1	PY	-0.001	-0.001	0	0
37	ANGLE6	PY	-0.006	-0.006	0	0
38	ANGLE5	PY	-0.006	-0.006	0	0
39	ANGLE4	PY	-0.006	-0.006	0	0
40	ANGLE3	PY	-0.006	-0.006	0	0
41	ANGLE2	PY	-0.006	-0.006	0	0
42	ANGLE1	PY	-0.006	-0.006	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	RPL3	PX	-0.007	-0.007	0	0
47	RPL2	PX	-0.007	-0.007	0	0
48	RPL1	PX	-0.007	-0.007	0	0
49	RAIL3	PX	-0.003	-0.003	0	0
50	RAIL2	PX	-0.003	-0.003	0	0
51	RAIL1	PX	-0.002	-0.002	0	0
52	PL6	PX	-0.000832	-0.000832	0	0
53	PL5	PX	-0.000832	-0.000832	0	0
54	PL4	PX	-0.000832	-0.000832	0	0
55	PL3	PX	-0.000832	-0.000832	0	0
56	PL2	PX	-0.000832	-0.000832	0	0
57	PL1	PX	-0.000832	-0.000832	0	0
58	MP GAMMA3	PX	-0.005	-0.005	0	0
59	MP GAMMA2	PX	-0.005	-0.005	0	0
60	MP GAMMA1	PX	-0.005	-0.005	0	0
61	MP BETA3	PX	-0.005	-0.005	0	0
62	MP BETA2	PX	-0.005	-0.005	0	0
63	MP BETA1	PX	-0.005	-0.005	0	0
64	MP ALPHA3	PX	-0.005	-0.005	0	0
65	MP ALPHA2	PX	-0.005	-0.005	0	0
66	MP ALPHA1	PX	-0.005	-0.005	0	0
67	FACE3	PX	-0.004	-0.004	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
68	FACE2	PX	-0.004	-0.004	0	0
69	FACE1	PX	-0.002	-0.002	0	0
70	CR6	PX	-0.006	-0.006	0	0
71	CR5	PX	-0.006	-0.006	0	0
72	CR4	PX	-0.006	-0.006	0	0
73	CR3	PX	-0.006	-0.006	0	0
74	CR2	PX	-0.006	-0.006	0	0
75	CR1	PX	-0.006	-0.006	0	0
76	CPL3	PX	-0.000624	-0.000624	0	0
77	CPL2	PX	-0.000624	-0.000624	0	0
78	CPL1	PX	-0.000624	-0.000624	0	0
79	ANGLE6	PX	-0.003	-0.003	0	0
80	ANGLE5	PX	-0.003	-0.003	0	0
81	ANGLE4	PX	-0.003	-0.003	0	0
82	ANGLE3	PX	-0.003	-0.003	0	0
83	ANGLE2	PX	-0.003	-0.003	0	0
84	ANGLE1	PX	-0.003	-0.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1	SO3	PY	-0.004	-0.004	0	0
2	SO2	PY	-0.004	-0.004	0	0
3	SO1	PY	-0.004	-0.004	0	0
4	RPL3	PY	-0.007	-0.007	0	0
5	RPL2	PY	-0.007	-0.007	0	0
6	RPL1	PY	-0.007	-0.007	0	0
7	RAIL3	PY	-0.003	-0.003	0	0
8	RAIL2	PY	-0.003	-0.003	0	0
9	RAIL1	PY	-0.002	-0.002	0	0
10	PL6	PY	-0.000832	-0.000832	0	0
11	PL5	PY	-0.000832	-0.000832	0	0
12	PL4	PY	-0.000832	-0.000832	0	0
13	PL3	PY	-0.000832	-0.000832	0	0
14	PL2	PY	-0.000832	-0.000832	0	0
15	PL1	PY	-0.000832	-0.000832	0	0
16	MP GAMMA3	PY	-0.005	-0.005	0	0
17	MP GAMMA2	PY	-0.005	-0.005	0	0
18	MP GAMMA1	PY	-0.005	-0.005	0	0
19	MP BETA3	PY	-0.005	-0.005	0	0
20	MP BETA2	PY	-0.005	-0.005	0	0
21	MP BETA1	PY	-0.005	-0.005	0	0
22	MP ALPHA3	PY	-0.005	-0.005	0	0
23	MP ALPHA2	PY	-0.005	-0.005	0	0
24	MP ALPHA1	PY	-0.005	-0.005	0	0
25	FACE3	PY	-0.004	-0.004	0	0
26	FACE2	PY	-0.004	-0.004	0	0
27	FACE1	PY	-0.002	-0.002	0	0
28	CR6	PY	-0.006	-0.006	0	0
29	CR5	PY	-0.006	-0.006	0	0
30	CR4	PY	-0.006	-0.006	0	0
31	CR3	PY	-0.006	-0.006	0	0
32	CR2	PY	-0.006	-0.006	0	0
33	CR1	PY	-0.006	-0.006	0	0
34	CPL3	PY	-0.000624	-0.000624	0	0
35	CPL2	PY	-0.000624	-0.000624	0	0
36	CPL1	PY	-0.000624	-0.000624	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]
37	ANGLE6	PY	-0.003	-0.003	0	0
38	ANGLE5	PY	-0.003	-0.003	0	0
39	ANGLE4	PY	-0.003	-0.003	0	0
40	ANGLE3	PY	-0.003	-0.003	0	0
41	ANGLE2	PY	-0.003	-0.003	0	0
42	ANGLE1	PY	-0.003	-0.003	0	0
43	SO3	PX	-0.007	-0.007	0	0
44	SO2	PX	-0.007	-0.007	0	0
45	SO1	PX	-0.007	-0.007	0	0
46	RPL3	PX	-0.013	-0.013	0	0
47	RPL2	PX	-0.013	-0.013	0	0
48	RPL1	PX	-0.013	-0.013	0	0
49	RAIL3	PX	-0.006	-0.006	0	0
50	RAIL2	PX	-0.006	-0.006	0	0
51	RAIL1	PX	-0.003	-0.003	0	0
52	PL6	PX	-0.001	-0.001	0	0
53	PL5	PX	-0.001	-0.001	0	0
54	PL4	PX	-0.001	-0.001	0	0
55	PL3	PX	-0.001	-0.001	0	0
56	PL2	PX	-0.001	-0.001	0	0
57	PL1	PX	-0.001	-0.001	0	0
58	MP GAMMA3	PX	-0.008	-0.008	0	0
59	MP GAMMA2	PX	-0.008	-0.008	0	0
60	MP GAMMA1	PX	-0.008	-0.008	0	0
61	MP BETA3	PX	-0.008	-0.008	0	0
62	MP BETA2	PX	-0.008	-0.008	0	0
63	MP BETA1	PX	-0.008	-0.008	0	0
64	MP ALPHA3	PX	-0.008	-0.008	0	0
65	MP ALPHA2	PX	-0.008	-0.008	0	0
66	MP ALPHA1	PX	-0.008	-0.008	0	0
67	FACE3	PX	-0.007	-0.007	0	0
68	FACE2	PX	-0.007	-0.007	0	0
69	FACE1	PX	-0.004	-0.004	0	0
70	CR6	PX	-0.01	-0.01	0	0
71	CR5	PX	-0.01	-0.01	0	0
72	CR4	PX	-0.01	-0.01	0	0
73	CR3	PX	-0.01	-0.01	0	0
74	CR2	PX	-0.01	-0.01	0	0
75	CR1	PX	-0.01	-0.01	0	0
76	CPL3	PX	-0.001	-0.001	0	0
77	CPL2	PX	-0.001	-0.001	0	0
78	CPL1	PX	-0.001	-0.001	0	0
79	ANGLE6	PX	-0.006	-0.006	0	0
80	ANGLE5	PX	-0.006	-0.006	0	0
81	ANGLE4	PX	-0.006	-0.006	0	0
82	ANGLE3	PX	-0.006	-0.006	0	0
83	ANGLE2	PX	-0.006	-0.006	0	0
84	ANGLE1	PX	-0.006	-0.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]
1	SO3	PX	-0.008	-0.008	0	0
2	SO2	PX	-0.008	-0.008	0	0
3	SO1	PX	-0.008	-0.008	0	0
4	RPL3	PX	-0.015	-0.015	0	0
5	RPL2	PX	-0.015	-0.015	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
6	RPL1	PX	-.015	-.015	0	0
7	RAIL3	PX	-.007	-.007	0	0
8	RAIL1	PX	-.007	-.007	0	0
9	RAIL2	PX	-.003	-.003	0	0
10	PL6	PX	-.002	-.002	0	0
11	PL5	PX	-.002	-.002	0	0
12	PL4	PX	-.002	-.002	0	0
13	PL3	PX	-.002	-.002	0	0
14	PL2	PX	-.002	-.002	0	0
15	PL1	PX	-.002	-.002	0	0
16	MP GAMMA3	PX	-.009	-.009	0	0
17	MP GAMMA2	PX	-.009	-.009	0	0
18	MP GAMMA1	PX	-.009	-.009	0	0
19	MP BETA3	PX	-.009	-.009	0	0
20	MP BETA2	PX	-.009	-.009	0	0
21	MP BETA1	PX	-.009	-.009	0	0
22	MP ALPHA3	PX	-.009	-.009	0	0
23	MP ALPHA2	PX	-.009	-.009	0	0
24	MP ALPHA1	PX	-.009	-.009	0	0
25	FACE3	PX	-.008	-.008	0	0
26	FACE1	PX	-.008	-.008	0	0
27	FACE2	PX	-.004	-.004	0	0
28	CR6	PX	-.011	-.011	0	0
29	CR5	PX	-.011	-.011	0	0
30	CR4	PX	-.011	-.011	0	0
31	CR3	PX	-.011	-.011	0	0
32	CR2	PX	-.011	-.011	0	0
33	CR1	PX	-.011	-.011	0	0
34	CPL3	PX	-.001	-.001	0	0
35	CPL2	PX	-.001	-.001	0	0
36	CPL1	PX	-.001	-.001	0	0
37	ANGLE6	PX	-.007	-.007	0	0
38	ANGLE5	PX	-.007	-.007	0	0
39	ANGLE4	PX	-.007	-.007	0	0
40	ANGLE3	PX	-.007	-.007	0	0
41	ANGLE2	PX	-.007	-.007	0	0
42	ANGLE1	PX	-.007	-.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1	SO3	PY	.004	.004	0	0
2	SO2	PY	.004	.004	0	0
3	SO1	PY	.004	.004	0	0
4	RPL3	PY	.007	.007	0	0
5	RPL2	PY	.007	.007	0	0
6	RPL1	PY	.007	.007	0	0
7	RAIL3	PY	.003	.003	0	0
8	RAIL1	PY	.003	.003	0	0
9	RAIL2	PY	.002	.002	0	0
10	PL6	PY	.000832	.000832	0	0
11	PL5	PY	.000832	.000832	0	0
12	PL4	PY	.000832	.000832	0	0
13	PL3	PY	.000832	.000832	0	0
14	PL2	PY	.000832	.000832	0	0
15	PL1	PY	.000832	.000832	0	0
16	MP GAMMA3	PY	.005	.005	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
17	MP GAMMA2	PY	.005	.005	0	0
18	MP GAMMA1	PY	.005	.005	0	0
19	MP BETA3	PY	.005	.005	0	0
20	MP BETA2	PY	.005	.005	0	0
21	MP BETA1	PY	.005	.005	0	0
22	MP ALPHA3	PY	.005	.005	0	0
23	MP ALPHA2	PY	.005	.005	0	0
24	MP ALPHA1	PY	.005	.005	0	0
25	FACE3	PY	.004	.004	0	0
26	FACE1	PY	.004	.004	0	0
27	FACE2	PY	.002	.002	0	0
28	CR6	PY	.006	.006	0	0
29	CR5	PY	.006	.006	0	0
30	CR4	PY	.006	.006	0	0
31	CR3	PY	.006	.006	0	0
32	CR2	PY	.006	.006	0	0
33	CR1	PY	.006	.006	0	0
34	CPL3	PY	.000624	.000624	0	0
35	CPL2	PY	.000624	.000624	0	0
36	CPL1	PY	.000624	.000624	0	0
37	ANGLE6	PY	.003	.003	0	0
38	ANGLE5	PY	.003	.003	0	0
39	ANGLE4	PY	.003	.003	0	0
40	ANGLE3	PY	.003	.003	0	0
41	ANGLE2	PY	.003	.003	0	0
42	ANGLE1	PY	.003	.003	0	0
43	SO3	PX	-.007	-.007	0	0
44	SO2	PX	-.007	-.007	0	0
45	SO1	PX	-.007	-.007	0	0
46	RPL3	PX	-.013	-.013	0	0
47	RPL2	PX	-.013	-.013	0	0
48	RPL1	PX	-.013	-.013	0	0
49	RAIL3	PX	-.006	-.006	0	0
50	RAIL1	PX	-.006	-.006	0	0
51	RAIL2	PX	-.003	-.003	0	0
52	PL6	PX	-.001	-.001	0	0
53	PL5	PX	-.001	-.001	0	0
54	PL4	PX	-.001	-.001	0	0
55	PL3	PX	-.001	-.001	0	0
56	PL2	PX	-.001	-.001	0	0
57	PL1	PX	-.001	-.001	0	0
58	MP GAMMA3	PX	-.008	-.008	0	0
59	MP GAMMA2	PX	-.008	-.008	0	0
60	MP GAMMA1	PX	-.008	-.008	0	0
61	MP BETA3	PX	-.008	-.008	0	0
62	MP BETA2	PX	-.008	-.008	0	0
63	MP BETA1	PX	-.008	-.008	0	0
64	MP ALPHA3	PX	-.008	-.008	0	0
65	MP ALPHA2	PX	-.008	-.008	0	0
66	MP ALPHA1	PX	-.008	-.008	0	0
67	FACE3	PX	-.007	-.007	0	0
68	FACE1	PX	-.007	-.007	0	0
69	FACE2	PX	-.004	-.004	0	0
70	CR6	PX	-.01	-.01	0	0
71	CR5	PX	-.01	-.01	0	0
72	CR4	PX	-.01	-.01	0	0
73	CR3	PX	-.01	-.01	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
74	CR2	PX	-.01	-.01	0	0
75	CR1	PX	-.01	-.01	0	0
76	CPL3	PX	-.001	-.001	0	0
77	CPL2	PX	-.001	-.001	0	0
78	CPL1	PX	-.001	-.001	0	0
79	ANGLE6	PX	-.006	-.006	0	0
80	ANGLE5	PX	-.006	-.006	0	0
81	ANGLE4	PX	-.006	-.006	0	0
82	ANGLE3	PX	-.006	-.006	0	0
83	ANGLE2	PX	-.006	-.006	0	0
84	ANGLE1	PX	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1	SO3	PY	.007	.007	0	0
2	SO2	PY	.007	.007	0	0
3	SO1	PY	.007	.007	0	0
4	RPL3	PY	.013	.013	0	0
5	RPL2	PY	.013	.013	0	0
6	RPL1	PY	.013	.013	0	0
7	RAIL3	PY	.006	.006	0	0
8	RAIL1	PY	.006	.006	0	0
9	RAIL2	PY	.003	.003	0	0
10	PL6	PY	.001	.001	0	0
11	PL5	PY	.001	.001	0	0
12	PL4	PY	.001	.001	0	0
13	PL3	PY	.001	.001	0	0
14	PL2	PY	.001	.001	0	0
15	PL1	PY	.001	.001	0	0
16	MP GAMMA3	PY	.008	.008	0	0
17	MP GAMMA2	PY	.008	.008	0	0
18	MP GAMMA1	PY	.008	.008	0	0
19	MP BETA3	PY	.008	.008	0	0
20	MP BETA2	PY	.008	.008	0	0
21	MP BETA1	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	FACE3	PY	.007	.007	0	0
26	FACE1	PY	.007	.007	0	0
27	FACE2	PY	.004	.004	0	0
28	CR6	PY	.01	.01	0	0
29	CR5	PY	.01	.01	0	0
30	CR4	PY	.01	.01	0	0
31	CR3	PY	.01	.01	0	0
32	CR2	PY	.01	.01	0	0
33	CR1	PY	.01	.01	0	0
34	CPL3	PY	.001	.001	0	0
35	CPL2	PY	.001	.001	0	0
36	CPL1	PY	.001	.001	0	0
37	ANGLE6	PY	.006	.006	0	0
38	ANGLE5	PY	.006	.006	0	0
39	ANGLE4	PY	.006	.006	0	0
40	ANGLE3	PY	.006	.006	0	0
41	ANGLE2	PY	.006	.006	0	0
42	ANGLE1	PY	.006	.006	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
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	RPL3	PX	-0.007	-0.007	0	0
47	RPL2	PX	-0.007	-0.007	0	0
48	RPL1	PX	-0.007	-0.007	0	0
49	RAIL3	PX	-0.003	-0.003	0	0
50	RAIL1	PX	-0.003	-0.003	0	0
51	RAIL2	PX	-0.002	-0.002	0	0
52	PL6	PX	-0.000832	-0.000832	0	0
53	PL5	PX	-0.000832	-0.000832	0	0
54	PL4	PX	-0.000832	-0.000832	0	0
55	PL3	PX	-0.000832	-0.000832	0	0
56	PL2	PX	-0.000832	-0.000832	0	0
57	PL1	PX	-0.000832	-0.000832	0	0
58	MP GAMMA3	PX	-0.005	-0.005	0	0
59	MP GAMMA2	PX	-0.005	-0.005	0	0
60	MP GAMMA1	PX	-0.005	-0.005	0	0
61	MP BETA3	PX	-0.005	-0.005	0	0
62	MP BETA2	PX	-0.005	-0.005	0	0
63	MP BETA1	PX	-0.005	-0.005	0	0
64	MP ALPHA3	PX	-0.005	-0.005	0	0
65	MP ALPHA2	PX	-0.005	-0.005	0	0
66	MP ALPHA1	PX	-0.005	-0.005	0	0
67	FACE3	PX	-0.004	-0.004	0	0
68	FACE1	PX	-0.004	-0.004	0	0
69	FACE2	PX	-0.002	-0.002	0	0
70	CR6	PX	-0.006	-0.006	0	0
71	CR5	PX	-0.006	-0.006	0	0
72	CR4	PX	-0.006	-0.006	0	0
73	CR3	PX	-0.006	-0.006	0	0
74	CR2	PX	-0.006	-0.006	0	0
75	CR1	PX	-0.006	-0.006	0	0
76	CPL3	PX	-0.000624	-0.000624	0	0
77	CPL2	PX	-0.000624	-0.000624	0	0
78	CPL1	PX	-0.000624	-0.000624	0	0
79	ANGLE6	PX	-0.003	-0.003	0	0
80	ANGLE5	PX	-0.003	-0.003	0	0
81	ANGLE4	PX	-0.003	-0.003	0	0
82	ANGLE3	PX	-0.003	-0.003	0	0
83	ANGLE2	PX	-0.003	-0.003	0	0
84	ANGLE1	PX	-0.003	-0.003	0	0

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
1	SO3	PY	.008	.008	0	0
2	SO2	PY	.008	.008	0	0
3	SO1	PY	.008	.008	0	0
4	RPL3	PY	.015	.015	0	0
5	RPL2	PY	.015	.015	0	0
6	RPL1	PY	.015	.015	0	0
7	RAIL3	PY	.007	.007	0	0
8	RAIL1	PY	.007	.007	0	0
9	RAIL2	PY	.003	.003	0	0
10	PL6	PY	.002	.002	0	0
11	PL5	PY	.002	.002	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
12	PL4	PY	.002	.002	0	0
13	PL3	PY	.002	.002	0	0
14	PL2	PY	.002	.002	0	0
15	PL1	PY	.002	.002	0	0
16	MP GAMMA3	PY	.009	.009	0	0
17	MP GAMMA2	PY	.009	.009	0	0
18	MP GAMMA1	PY	.009	.009	0	0
19	MP BETA3	PY	.009	.009	0	0
20	MP BETA2	PY	.009	.009	0	0
21	MP BETA1	PY	.009	.009	0	0
22	MP ALPHA3	PY	.009	.009	0	0
23	MP ALPHA2	PY	.009	.009	0	0
24	MP ALPHA1	PY	.009	.009	0	0
25	FACE3	PY	.008	.008	0	0
26	FACE1	PY	.008	.008	0	0
27	FACE2	PY	.004	.004	0	0
28	CR6	PY	.011	.011	0	0
29	CR5	PY	.011	.011	0	0
30	CR4	PY	.011	.011	0	0
31	CR3	PY	.011	.011	0	0
32	CR2	PY	.011	.011	0	0
33	CR1	PY	.011	.011	0	0
34	CPL3	PY	.001	.001	0	0
35	CPL2	PY	.001	.001	0	0
36	CPL1	PY	.001	.001	0	0
37	ANGLE6	PY	.007	.007	0	0
38	ANGLE5	PY	.007	.007	0	0
39	ANGLE4	PY	.007	.007	0	0
40	ANGLE3	PY	.007	.007	0	0
41	ANGLE2	PY	.007	.007	0	0
42	ANGLE1	PY	.007	.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1	SO3	PY	.007	.007	0	0
2	SO2	PY	.007	.007	0	0
3	SO1	PY	.007	.007	0	0
4	RPL3	PY	.013	.013	0	0
5	RPL2	PY	.013	.013	0	0
6	RPL1	PY	.013	.013	0	0
7	RAIL1	PY	.006	.006	0	0
8	RAIL2	PY	.006	.006	0	0
9	RAIL3	PY	.003	.003	0	0
10	PL6	PY	.001	.001	0	0
11	PL5	PY	.001	.001	0	0
12	PL4	PY	.001	.001	0	0
13	PL3	PY	.001	.001	0	0
14	PL2	PY	.001	.001	0	0
15	PL1	PY	.001	.001	0	0
16	MP GAMMA3	PY	.008	.008	0	0
17	MP GAMMA2	PY	.008	.008	0	0
18	MP GAMMA1	PY	.008	.008	0	0
19	MP BETA3	PY	.008	.008	0	0
20	MP BETA2	PY	.008	.008	0	0
21	MP BETA1	PY	.008	.008	0	0
22	MP ALPHA3	PY	.008	.008	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
23	MP ALPHA2	PY	.008	.008	0	0
24	MP ALPHA1	PY	.008	.008	0	0
25	FACE1	PY	.007	.007	0	0
26	FACE2	PY	.007	.007	0	0
27	FACE3	PY	.004	.004	0	0
28	CR6	PY	.01	.01	0	0
29	CR5	PY	.01	.01	0	0
30	CR4	PY	.01	.01	0	0
31	CR3	PY	.01	.01	0	0
32	CR2	PY	.01	.01	0	0
33	CR1	PY	.01	.01	0	0
34	CPL3	PY	.001	.001	0	0
35	CPL2	PY	.001	.001	0	0
36	CPL1	PY	.001	.001	0	0
37	ANGLE6	PY	.006	.006	0	0
38	ANGLE5	PY	.006	.006	0	0
39	ANGLE4	PY	.006	.006	0	0
40	ANGLE3	PY	.006	.006	0	0
41	ANGLE2	PY	.006	.006	0	0
42	ANGLE1	PY	.006	.006	0	0
43	SO3	PX	.004	.004	0	0
44	SO2	PX	.004	.004	0	0
45	SO1	PX	.004	.004	0	0
46	RPL3	PX	.007	.007	0	0
47	RPL2	PX	.007	.007	0	0
48	RPL1	PX	.007	.007	0	0
49	RAIL1	PX	.003	.003	0	0
50	RAIL2	PX	.003	.003	0	0
51	RAIL3	PX	.002	.002	0	0
52	PL6	PX	.000832	.000832	0	0
53	PL5	PX	.000832	.000832	0	0
54	PL4	PX	.000832	.000832	0	0
55	PL3	PX	.000832	.000832	0	0
56	PL2	PX	.000832	.000832	0	0
57	PL1	PX	.000832	.000832	0	0
58	MP GAMMA3	PX	.005	.005	0	0
59	MP GAMMA2	PX	.005	.005	0	0
60	MP GAMMA1	PX	.005	.005	0	0
61	MP BETA3	PX	.005	.005	0	0
62	MP BETA2	PX	.005	.005	0	0
63	MP BETA1	PX	.005	.005	0	0
64	MP ALPHA3	PX	.005	.005	0	0
65	MP ALPHA2	PX	.005	.005	0	0
66	MP ALPHA1	PX	.005	.005	0	0
67	FACE1	PX	.004	.004	0	0
68	FACE2	PX	.004	.004	0	0
69	FACE3	PX	.002	.002	0	0
70	CR6	PX	.006	.006	0	0
71	CR5	PX	.006	.006	0	0
72	CR4	PX	.006	.006	0	0
73	CR3	PX	.006	.006	0	0
74	CR2	PX	.006	.006	0	0
75	CR1	PX	.006	.006	0	0
76	CPL3	PX	.000624	.000624	0	0
77	CPL2	PX	.000624	.000624	0	0
78	CPL1	PX	.000624	.000624	0	0
79	ANGLE6	PX	.003	.003	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
80	ANGLE5	PX	.003	.003	0	0
81	ANGLE4	PX	.003	.003	0	0
82	ANGLE3	PX	.003	.003	0	0
83	ANGLE2	PX	.003	.003	0	0
84	ANGLE1	PX	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1	SO3	PY	.004	.004	0	0
2	SO2	PY	.004	.004	0	0
3	SO1	PY	.004	.004	0	0
4	RPL3	PY	.007	.007	0	0
5	RPL2	PY	.007	.007	0	0
6	RPL1	PY	.007	.007	0	0
7	RAIL1	PY	.003	.003	0	0
8	RAIL2	PY	.003	.003	0	0
9	RAIL3	PY	.002	.002	0	0
10	PL6	PY	.000832	.000832	0	0
11	PL5	PY	.000832	.000832	0	0
12	PL4	PY	.000832	.000832	0	0
13	PL3	PY	.000832	.000832	0	0
14	PL2	PY	.000832	.000832	0	0
15	PL1	PY	.000832	.000832	0	0
16	MP GAMMA3	PY	.005	.005	0	0
17	MP GAMMA2	PY	.005	.005	0	0
18	MP GAMMA1	PY	.005	.005	0	0
19	MP BETA3	PY	.005	.005	0	0
20	MP BETA2	PY	.005	.005	0	0
21	MP BETA1	PY	.005	.005	0	0
22	MP ALPHA3	PY	.005	.005	0	0
23	MP ALPHA2	PY	.005	.005	0	0
24	MP ALPHA1	PY	.005	.005	0	0
25	FACE1	PY	.004	.004	0	0
26	FACE2	PY	.004	.004	0	0
27	FACE3	PY	.002	.002	0	0
28	CR6	PY	.006	.006	0	0
29	CR5	PY	.006	.006	0	0
30	CR4	PY	.006	.006	0	0
31	CR3	PY	.006	.006	0	0
32	CR2	PY	.006	.006	0	0
33	CR1	PY	.006	.006	0	0
34	CPL3	PY	.000624	.000624	0	0
35	CPL2	PY	.000624	.000624	0	0
36	CPL1	PY	.000624	.000624	0	0
37	ANGLE6	PY	.003	.003	0	0
38	ANGLE5	PY	.003	.003	0	0
39	ANGLE4	PY	.003	.003	0	0
40	ANGLE3	PY	.003	.003	0	0
41	ANGLE2	PY	.003	.003	0	0
42	ANGLE1	PY	.003	.003	0	0
43	SO3	PX	.007	.007	0	0
44	SO2	PX	.007	.007	0	0
45	SO1	PX	.007	.007	0	0
46	RPL3	PX	.013	.013	0	0
47	RPL2	PX	.013	.013	0	0
48	RPL1	PX	.013	.013	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
49	RAIL1	PX	.006	.006	0	0
50	RAIL2	PX	.006	.006	0	0
51	RAIL3	PX	.003	.003	0	0
52	PL6	PX	.001	.001	0	0
53	PL5	PX	.001	.001	0	0
54	PL4	PX	.001	.001	0	0
55	PL3	PX	.001	.001	0	0
56	PL2	PX	.001	.001	0	0
57	PL1	PX	.001	.001	0	0
58	MP GAMMA3	PX	.008	.008	0	0
59	MP GAMMA2	PX	.008	.008	0	0
60	MP GAMMA1	PX	.008	.008	0	0
61	MP BETA3	PX	.008	.008	0	0
62	MP BETA2	PX	.008	.008	0	0
63	MP BETA1	PX	.008	.008	0	0
64	MP ALPHA3	PX	.008	.008	0	0
65	MP ALPHA2	PX	.008	.008	0	0
66	MP ALPHA1	PX	.008	.008	0	0
67	FACE1	PX	.007	.007	0	0
68	FACE2	PX	.007	.007	0	0
69	FACE3	PX	.004	.004	0	0
70	CR6	PX	.01	.01	0	0
71	CR5	PX	.01	.01	0	0
72	CR4	PX	.01	.01	0	0
73	CR3	PX	.01	.01	0	0
74	CR2	PX	.01	.01	0	0
75	CR1	PX	.01	.01	0	0
76	CPL3	PX	.001	.001	0	0
77	CPL2	PX	.001	.001	0	0
78	CPL1	PX	.001	.001	0	0
79	ANGLE6	PX	.006	.006	0	0
80	ANGLE5	PX	.006	.006	0	0
81	ANGLE4	PX	.006	.006	0	0
82	ANGLE3	PX	.006	.006	0	0
83	ANGLE2	PX	.006	.006	0	0
84	ANGLE1	PX	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1	SO3	PX	.008	.008	0	0
2	SO2	PX	.008	.008	0	0
3	SO1	PX	.008	.008	0	0
4	RPL3	PX	.015	.015	0	0
5	RPL2	PX	.015	.015	0	0
6	RPL1	PX	.015	.015	0	0
7	RAIL1	PX	.007	.007	0	0
8	RAIL2	PX	.007	.007	0	0
9	RAIL3	PX	.003	.003	0	0
10	PL6	PX	.002	.002	0	0
11	PL5	PX	.002	.002	0	0
12	PL4	PX	.002	.002	0	0
13	PL3	PX	.002	.002	0	0
14	PL2	PX	.002	.002	0	0
15	PL1	PX	.002	.002	0	0
16	MP GAMMA3	PX	.009	.009	0	0
17	MP GAMMA2	PX	.009	.009	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]	
18	MP GAMMA1	PX	.009	.009	0	0
19	MP BETA3	PX	.009	.009	0	0
20	MP BETA2	PX	.009	.009	0	0
21	MP BETA1	PX	.009	.009	0	0
22	MP ALPHA3	PX	.009	.009	0	0
23	MP ALPHA2	PX	.009	.009	0	0
24	MP ALPHA1	PX	.009	.009	0	0
25	FACE1	PX	.008	.008	0	0
26	FACE2	PX	.008	.008	0	0
27	FACE3	PX	.004	.004	0	0
28	CR6	PX	.011	.011	0	0
29	CR5	PX	.011	.011	0	0
30	CR4	PX	.011	.011	0	0
31	CR3	PX	.011	.011	0	0
32	CR2	PX	.011	.011	0	0
33	CR1	PX	.011	.011	0	0
34	CPL3	PX	.001	.001	0	0
35	CPL2	PX	.001	.001	0	0
36	CPL1	PX	.001	.001	0	0
37	ANGLE6	PX	.007	.007	0	0
38	ANGLE5	PX	.007	.007	0	0
39	ANGLE4	PX	.007	.007	0	0
40	ANGLE3	PX	.007	.007	0	0
41	ANGLE2	PX	.007	.007	0	0
42	ANGLE1	PX	.007	.007	0	0

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

Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]	
1	SO3	PY	-.004	-.004	0	0
2	SO2	PY	-.004	-.004	0	0
3	SO1	PY	-.004	-.004	0	0
4	RPL3	PY	-.007	-.007	0	0
5	RPL2	PY	-.007	-.007	0	0
6	RPL1	PY	-.007	-.007	0	0
7	RAIL1	PY	-.003	-.003	0	0
8	RAIL2	PY	-.003	-.003	0	0
9	RAIL3	PY	-.002	-.002	0	0
10	PL6	PY	-.000832	-.000832	0	0
11	PL5	PY	-.000832	-.000832	0	0
12	PL4	PY	-.000832	-.000832	0	0
13	PL3	PY	-.000832	-.000832	0	0
14	PL2	PY	-.000832	-.000832	0	0
15	PL1	PY	-.000832	-.000832	0	0
16	MP GAMMA3	PY	-.005	-.005	0	0
17	MP GAMMA2	PY	-.005	-.005	0	0
18	MP GAMMA1	PY	-.005	-.005	0	0
19	MP BETA3	PY	-.005	-.005	0	0
20	MP BETA2	PY	-.005	-.005	0	0
21	MP BETA1	PY	-.005	-.005	0	0
22	MP ALPHA3	PY	-.005	-.005	0	0
23	MP ALPHA2	PY	-.005	-.005	0	0
24	MP ALPHA1	PY	-.005	-.005	0	0
25	FACE1	PY	-.004	-.004	0	0
26	FACE2	PY	-.004	-.004	0	0
27	FACE3	PY	-.002	-.002	0	0
28	CR6	PY	-.006	-.006	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
29	CR5	PY	-.006	-.006	0	0
30	CR4	PY	-.006	-.006	0	0
31	CR3	PY	-.006	-.006	0	0
32	CR2	PY	-.006	-.006	0	0
33	CR1	PY	-.006	-.006	0	0
34	CPL3	PY	-.000624	-.000624	0	0
35	CPL2	PY	-.000624	-.000624	0	0
36	CPL1	PY	-.000624	-.000624	0	0
37	ANGLE6	PY	-.003	-.003	0	0
38	ANGLE5	PY	-.003	-.003	0	0
39	ANGLE4	PY	-.003	-.003	0	0
40	ANGLE3	PY	-.003	-.003	0	0
41	ANGLE2	PY	-.003	-.003	0	0
42	ANGLE1	PY	-.003	-.003	0	0
43	SO3	PX	.007	.007	0	0
44	SO2	PX	.007	.007	0	0
45	SO1	PX	.007	.007	0	0
46	RPL3	PX	.013	.013	0	0
47	RPL2	PX	.013	.013	0	0
48	RPL1	PX	.013	.013	0	0
49	RAIL1	PX	.006	.006	0	0
50	RAIL2	PX	.006	.006	0	0
51	RAIL3	PX	.003	.003	0	0
52	PL6	PX	.001	.001	0	0
53	PL5	PX	.001	.001	0	0
54	PL4	PX	.001	.001	0	0
55	PL3	PX	.001	.001	0	0
56	PL2	PX	.001	.001	0	0
57	PL1	PX	.001	.001	0	0
58	MP GAMMA3	PX	.008	.008	0	0
59	MP GAMMA2	PX	.008	.008	0	0
60	MP GAMMA1	PX	.008	.008	0	0
61	MP BETA3	PX	.008	.008	0	0
62	MP BETA2	PX	.008	.008	0	0
63	MP BETA1	PX	.008	.008	0	0
64	MP ALPHA3	PX	.008	.008	0	0
65	MP ALPHA2	PX	.008	.008	0	0
66	MP ALPHA1	PX	.008	.008	0	0
67	FACE1	PX	.007	.007	0	0
68	FACE2	PX	.007	.007	0	0
69	FACE3	PX	.004	.004	0	0
70	CR6	PX	.01	.01	0	0
71	CR5	PX	.01	.01	0	0
72	CR4	PX	.01	.01	0	0
73	CR3	PX	.01	.01	0	0
74	CR2	PX	.01	.01	0	0
75	CR1	PX	.01	.01	0	0
76	CPL3	PX	.001	.001	0	0
77	CPL2	PX	.001	.001	0	0
78	CPL1	PX	.001	.001	0	0
79	ANGLE6	PX	.006	.006	0	0
80	ANGLE5	PX	.006	.006	0	0
81	ANGLE4	PX	.006	.006	0	0
82	ANGLE3	PX	.006	.006	0	0
83	ANGLE2	PX	.006	.006	0	0
84	ANGLE1	PX	.006	.006	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
1	SO3	PY	-0.007	-0.007	0	0
2	SO2	PY	-0.007	-0.007	0	0
3	SO1	PY	-0.007	-0.007	0	0
4	RPL3	PY	-.013	-.013	0	0
5	RPL2	PY	-.013	-.013	0	0
6	RPL1	PY	-.013	-.013	0	0
7	RAIL3	PY	-.006	-.006	0	0
8	RAIL2	PY	-.006	-.006	0	0
9	RAIL1	PY	-.003	-.003	0	0
10	PL6	PY	-.001	-.001	0	0
11	PL5	PY	-.001	-.001	0	0
12	PL4	PY	-.001	-.001	0	0
13	PL3	PY	-.001	-.001	0	0
14	PL2	PY	-.001	-.001	0	0
15	PL1	PY	-.001	-.001	0	0
16	MP GAMMA3	PY	-.008	-.008	0	0
17	MP GAMMA2	PY	-.008	-.008	0	0
18	MP GAMMA1	PY	-.008	-.008	0	0
19	MP BETA3	PY	-.008	-.008	0	0
20	MP BETA2	PY	-.008	-.008	0	0
21	MP BETA1	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	FACE3	PY	-.007	-.007	0	0
26	FACE2	PY	-.007	-.007	0	0
27	FACE1	PY	-.004	-.004	0	0
28	CR6	PY	-.01	-.01	0	0
29	CR5	PY	-.01	-.01	0	0
30	CR4	PY	-.01	-.01	0	0
31	CR3	PY	-.01	-.01	0	0
32	CR2	PY	-.01	-.01	0	0
33	CR1	PY	-.01	-.01	0	0
34	CPL3	PY	-.001	-.001	0	0
35	CPL2	PY	-.001	-.001	0	0
36	CPL1	PY	-.001	-.001	0	0
37	ANGLE6	PY	-.006	-.006	0	0
38	ANGLE5	PY	-.006	-.006	0	0
39	ANGLE4	PY	-.006	-.006	0	0
40	ANGLE3	PY	-.006	-.006	0	0
41	ANGLE2	PY	-.006	-.006	0	0
42	ANGLE1	PY	-.006	-.006	0	0
43	SO3	PX	.004	.004	0	0
44	SO2	PX	.004	.004	0	0
45	SO1	PX	.004	.004	0	0
46	RPL3	PX	.007	.007	0	0
47	RPL2	PX	.007	.007	0	0
48	RPL1	PX	.007	.007	0	0
49	RAIL3	PX	.003	.003	0	0
50	RAIL2	PX	.003	.003	0	0
51	RAIL1	PX	.002	.002	0	0
52	PL6	PX	.000832	.000832	0	0
53	PL5	PX	.000832	.000832	0	0
54	PL4	PX	.000832	.000832	0	0
55	PL3	PX	.000832	.000832	0	0
56	PL2	PX	.000832	.000832	0	0
57	PL1	PX	.000832	.000832	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]	
58	MP GAMMA3	PX	.005	.005	0	0
59	MP GAMMA2	PX	.005	.005	0	0
60	MP GAMMA1	PX	.005	.005	0	0
61	MP BETA3	PX	.005	.005	0	0
62	MP BETA2	PX	.005	.005	0	0
63	MP BETA1	PX	.005	.005	0	0
64	MP ALPHA3	PX	.005	.005	0	0
65	MP ALPHA2	PX	.005	.005	0	0
66	MP ALPHA1	PX	.005	.005	0	0
67	FACE3	PX	.004	.004	0	0
68	FACE2	PX	.004	.004	0	0
69	FACE1	PX	.002	.002	0	0
70	CR6	PX	.006	.006	0	0
71	CR5	PX	.006	.006	0	0
72	CR4	PX	.006	.006	0	0
73	CR3	PX	.006	.006	0	0
74	CR2	PX	.006	.006	0	0
75	CR1	PX	.006	.006	0	0
76	CPL3	PX	.000624	.000624	0	0
77	CPL2	PX	.000624	.000624	0	0
78	CPL1	PX	.000624	.000624	0	0
79	ANGLE6	PX	.003	.003	0	0
80	ANGLE5	PX	.003	.003	0	0
81	ANGLE4	PX	.003	.003	0	0
82	ANGLE3	PX	.003	.003	0	0
83	ANGLE2	PX	.003	.003	0	0
84	ANGLE1	PX	.003	.003	0	0

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]	
1	SO3	PY	-.000538	-.000538	0	0
2	SO2	PY	-.000538	-.000538	0	0
3	SO1	PY	-.000538	-.000538	0	0
4	RPL3	PY	-.000968	-.000968	0	0
5	RPL2	PY	-.000968	-.000968	0	0
6	RPL1	PY	-.000968	-.000968	0	0
7	RAIL3	PY	-.000442	-.000442	0	0
8	RAIL2	PY	-.000442	-.000442	0	0
9	RAIL1	PY	-.000221	-.000221	0	0
10	PL6	PY	-.000108	-.000108	0	0
11	PL5	PY	-.000108	-.000108	0	0
12	PL4	PY	-.000108	-.000108	0	0
13	PL3	PY	-.000108	-.000108	0	0
14	PL2	PY	-.000108	-.000108	0	0
15	PL1	PY	-.000108	-.000108	0	0
16	MP GAMMA3	PY	-.000613	-.000613	0	0
17	MP GAMMA2	PY	-.000613	-.000613	0	0
18	MP GAMMA1	PY	-.000613	-.000613	0	0
19	MP BETA3	PY	-.000613	-.000613	0	0
20	MP BETA2	PY	-.000613	-.000613	0	0
21	MP BETA1	PY	-.000613	-.000613	0	0
22	MP ALPHA3	PY	-.000613	-.000613	0	0
23	MP ALPHA2	PY	-.000613	-.000613	0	0
24	MP ALPHA1	PY	-.000613	-.000613	0	0
25	FACE3	PY	-.000538	-.000538	0	0
26	FACE2	PY	-.000538	-.000538	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
27	FACE1	PY	-0.00269	-0.00269	0	0
28	CR6	PY	-0.00727	-0.00727	0	0
29	CR5	PY	-0.00727	-0.00727	0	0
30	CR4	PY	-0.00727	-0.00727	0	0
31	CR3	PY	-0.00727	-0.00727	0	0
32	CR2	PY	-0.00727	-0.00727	0	0
33	CR1	PY	-0.00727	-0.00727	0	0
34	CPL3	PY	-8.1e-5	-8.1e-5	0	0
35	CPL2	PY	-8.1e-5	-8.1e-5	0	0
36	CPL1	PY	-8.1e-5	-8.1e-5	0	0
37	ANGLE6	PY	-0.00043	-0.00043	0	0
38	ANGLE5	PY	-0.00043	-0.00043	0	0
39	ANGLE4	PY	-0.00043	-0.00043	0	0
40	ANGLE3	PY	-0.00043	-0.00043	0	0
41	ANGLE2	PY	-0.00043	-0.00043	0	0
42	ANGLE1	PY	-0.00043	-0.00043	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1	SO3	PY	-0.000466	-0.000466	0	0
2	SO2	PY	-0.000466	-0.000466	0	0
3	SO1	PY	-0.000466	-0.000466	0	0
4	RPL3	PY	-0.000838	-0.000838	0	0
5	RPL2	PY	-0.000838	-0.000838	0	0
6	RPL1	PY	-0.000838	-0.000838	0	0
7	RAIL3	PY	-0.000383	-0.000383	0	0
8	RAIL2	PY	-0.000383	-0.000383	0	0
9	RAIL1	PY	-0.000191	-0.000191	0	0
10	PL6	PY	-9.3e-5	-9.3e-5	0	0
11	PL5	PY	-9.3e-5	-9.3e-5	0	0
12	PL4	PY	-9.3e-5	-9.3e-5	0	0
13	PL3	PY	-9.3e-5	-9.3e-5	0	0
14	PL2	PY	-9.3e-5	-9.3e-5	0	0
15	PL1	PY	-9.3e-5	-9.3e-5	0	0
16	MP GAMMA3	PY	-0.000531	-0.000531	0	0
17	MP GAMMA2	PY	-0.000531	-0.000531	0	0
18	MP GAMMA1	PY	-0.000531	-0.000531	0	0
19	MP BETA3	PY	-0.000531	-0.000531	0	0
20	MP BETA2	PY	-0.000531	-0.000531	0	0
21	MP BETA1	PY	-0.000531	-0.000531	0	0
22	MP ALPHA3	PY	-0.000531	-0.000531	0	0
23	MP ALPHA2	PY	-0.000531	-0.000531	0	0
24	MP ALPHA1	PY	-0.000531	-0.000531	0	0
25	FACE3	PY	-0.000466	-0.000466	0	0
26	FACE2	PY	-0.000466	-0.000466	0	0
27	FACE1	PY	-0.00233	-0.00233	0	0
28	CR6	PY	-0.00063	-0.00063	0	0
29	CR5	PY	-0.00063	-0.00063	0	0
30	CR4	PY	-0.00063	-0.00063	0	0
31	CR3	PY	-0.00063	-0.00063	0	0
32	CR2	PY	-0.00063	-0.00063	0	0
33	CR1	PY	-0.00063	-0.00063	0	0
34	CPL3	PY	-7e-5	-7e-5	0	0
35	CPL2	PY	-7e-5	-7e-5	0	0
36	CPL1	PY	-7e-5	-7e-5	0	0
37	ANGLE6	PY	-0.000373	-0.000373	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]	
38	ANGLE5	PY	-0.00373	-0.00373	0	0
39	ANGLE4	PY	-0.00373	-0.00373	0	0
40	ANGLE3	PY	-0.00373	-0.00373	0	0
41	ANGLE2	PY	-0.00373	-0.00373	0	0
42	ANGLE1	PY	-0.00373	-0.00373	0	0
43	SO3	PX	-0.00269	-0.00269	0	0
44	SO2	PX	-0.00269	-0.00269	0	0
45	SO1	PX	-0.00269	-0.00269	0	0
46	RPL3	PX	-0.00484	-0.00484	0	0
47	RPL2	PX	-0.00484	-0.00484	0	0
48	RPL1	PX	-0.00484	-0.00484	0	0
49	RAIL3	PX	-0.00221	-0.00221	0	0
50	RAIL2	PX	-0.00221	-0.00221	0	0
51	RAIL1	PX	-0.00111	-0.00111	0	0
52	PL6	PX	-5.4e-5	-5.4e-5	0	0
53	PL5	PX	-5.4e-5	-5.4e-5	0	0
54	PL4	PX	-5.4e-5	-5.4e-5	0	0
55	PL3	PX	-5.4e-5	-5.4e-5	0	0
56	PL2	PX	-5.4e-5	-5.4e-5	0	0
57	PL1	PX	-5.4e-5	-5.4e-5	0	0
58	MP GAMMA3	PX	-0.00307	-0.00307	0	0
59	MP GAMMA2	PX	-0.00307	-0.00307	0	0
60	MP GAMMA1	PX	-0.00307	-0.00307	0	0
61	MP BETA3	PX	-0.00307	-0.00307	0	0
62	MP BETA2	PX	-0.00307	-0.00307	0	0
63	MP BETA1	PX	-0.00307	-0.00307	0	0
64	MP ALPHA3	PX	-0.00307	-0.00307	0	0
65	MP ALPHA2	PX	-0.00307	-0.00307	0	0
66	MP ALPHA1	PX	-0.00307	-0.00307	0	0
67	FACE3	PX	-0.00269	-0.00269	0	0
68	FACE2	PX	-0.00269	-0.00269	0	0
69	FACE1	PX	-0.00135	-0.00135	0	0
70	CR6	PX	-0.00364	-0.00364	0	0
71	CR5	PX	-0.00364	-0.00364	0	0
72	CR4	PX	-0.00364	-0.00364	0	0
73	CR3	PX	-0.00364	-0.00364	0	0
74	CR2	PX	-0.00364	-0.00364	0	0
75	CR1	PX	-0.00364	-0.00364	0	0
76	CPL3	PX	-4e-5	-4e-5	0	0
77	CPL2	PX	-4e-5	-4e-5	0	0
78	CPL1	PX	-4e-5	-4e-5	0	0
79	ANGLE6	PX	-0.00215	-0.00215	0	0
80	ANGLE5	PX	-0.00215	-0.00215	0	0
81	ANGLE4	PX	-0.00215	-0.00215	0	0
82	ANGLE3	PX	-0.00215	-0.00215	0	0
83	ANGLE2	PX	-0.00215	-0.00215	0	0
84	ANGLE1	PX	-0.00215	-0.00215	0	0

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]	
1	SO3	PY	-0.00269	-0.00269	0	0
2	SO2	PY	-0.00269	-0.00269	0	0
3	SO1	PY	-0.00269	-0.00269	0	0
4	RPL3	PY	-0.00484	-0.00484	0	0
5	RPL2	PY	-0.00484	-0.00484	0	0
6	RPL1	PY	-0.00484	-0.00484	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
7	RAIL3	PY	-0.00221	-0.00221	0	0
8	RAIL2	PY	-0.00221	-0.00221	0	0
9	RAIL1	PY	-0.00111	-0.00111	0	0
10	PL6	PY	-5.4e-5	-5.4e-5	0	0
11	PL5	PY	-5.4e-5	-5.4e-5	0	0
12	PL4	PY	-5.4e-5	-5.4e-5	0	0
13	PL3	PY	-5.4e-5	-5.4e-5	0	0
14	PL2	PY	-5.4e-5	-5.4e-5	0	0
15	PL1	PY	-5.4e-5	-5.4e-5	0	0
16	MP GAMMA3	PY	-0.00307	-0.00307	0	0
17	MP GAMMA2	PY	-0.00307	-0.00307	0	0
18	MP GAMMA1	PY	-0.00307	-0.00307	0	0
19	MP BETA3	PY	-0.00307	-0.00307	0	0
20	MP BETA2	PY	-0.00307	-0.00307	0	0
21	MP BETA1	PY	-0.00307	-0.00307	0	0
22	MP ALPHA3	PY	-0.00307	-0.00307	0	0
23	MP ALPHA2	PY	-0.00307	-0.00307	0	0
24	MP ALPHA1	PY	-0.00307	-0.00307	0	0
25	FACE3	PY	-0.00269	-0.00269	0	0
26	FACE2	PY	-0.00269	-0.00269	0	0
27	FACE1	PY	-0.00135	-0.00135	0	0
28	CR6	PY	-0.00364	-0.00364	0	0
29	CR5	PY	-0.00364	-0.00364	0	0
30	CR4	PY	-0.00364	-0.00364	0	0
31	CR3	PY	-0.00364	-0.00364	0	0
32	CR2	PY	-0.00364	-0.00364	0	0
33	CR1	PY	-0.00364	-0.00364	0	0
34	CPL3	PY	-4e-5	-4e-5	0	0
35	CPL2	PY	-4e-5	-4e-5	0	0
36	CPL1	PY	-4e-5	-4e-5	0	0
37	ANGLE6	PY	-0.00215	-0.00215	0	0
38	ANGLE5	PY	-0.00215	-0.00215	0	0
39	ANGLE4	PY	-0.00215	-0.00215	0	0
40	ANGLE3	PY	-0.00215	-0.00215	0	0
41	ANGLE2	PY	-0.00215	-0.00215	0	0
42	ANGLE1	PY	-0.00215	-0.00215	0	0
43	SO3	PX	-0.00466	-0.00466	0	0
44	SO2	PX	-0.00466	-0.00466	0	0
45	SO1	PX	-0.00466	-0.00466	0	0
46	RPL3	PX	-0.00838	-0.00838	0	0
47	RPL2	PX	-0.00838	-0.00838	0	0
48	RPL1	PX	-0.00838	-0.00838	0	0
49	RAIL3	PX	-0.00383	-0.00383	0	0
50	RAIL2	PX	-0.00383	-0.00383	0	0
51	RAIL1	PX	-0.00191	-0.00191	0	0
52	PL6	PX	-9.3e-5	-9.3e-5	0	0
53	PL5	PX	-9.3e-5	-9.3e-5	0	0
54	PL4	PX	-9.3e-5	-9.3e-5	0	0
55	PL3	PX	-9.3e-5	-9.3e-5	0	0
56	PL2	PX	-9.3e-5	-9.3e-5	0	0
57	PL1	PX	-9.3e-5	-9.3e-5	0	0
58	MP GAMMA3	PX	-0.00531	-0.00531	0	0
59	MP GAMMA2	PX	-0.00531	-0.00531	0	0
60	MP GAMMA1	PX	-0.00531	-0.00531	0	0
61	MP BETA3	PX	-0.00531	-0.00531	0	0
62	MP BETA2	PX	-0.00531	-0.00531	0	0
63	MP BETA1	PX	-0.00531	-0.00531	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
64	MP ALPHA3	PX	-0.00531	-0.00531	0	0
65	MP ALPHA2	PX	-0.00531	-0.00531	0	0
66	MP ALPHA1	PX	-0.00531	-0.00531	0	0
67	FACE3	PX	-0.00466	-0.00466	0	0
68	FACE2	PX	-0.00466	-0.00466	0	0
69	FACE1	PX	-0.00233	-0.00233	0	0
70	CR6	PX	-0.00063	-0.00063	0	0
71	CR5	PX	-0.00063	-0.00063	0	0
72	CR4	PX	-0.00063	-0.00063	0	0
73	CR3	PX	-0.00063	-0.00063	0	0
74	CR2	PX	-0.00063	-0.00063	0	0
75	CR1	PX	-0.00063	-0.00063	0	0
76	CPL3	PX	-7e-5	-7e-5	0	0
77	CPL2	PX	-7e-5	-7e-5	0	0
78	CPL1	PX	-7e-5	-7e-5	0	0
79	ANGLE6	PX	-0.00373	-0.00373	0	0
80	ANGLE5	PX	-0.00373	-0.00373	0	0
81	ANGLE4	PX	-0.00373	-0.00373	0	0
82	ANGLE3	PX	-0.00373	-0.00373	0	0
83	ANGLE2	PX	-0.00373	-0.00373	0	0
84	ANGLE1	PX	-0.00373	-0.00373	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1	SO3	PX	-0.00538	-0.00538	0	0
2	SO2	PX	-0.00538	-0.00538	0	0
3	SO1	PX	-0.00538	-0.00538	0	0
4	RPL3	PX	-0.00968	-0.00968	0	0
5	RPL2	PX	-0.00968	-0.00968	0	0
6	RPL1	PX	-0.00968	-0.00968	0	0
7	RAIL3	PX	-0.00442	-0.00442	0	0
8	RAIL1	PX	-0.00442	-0.00442	0	0
9	RAIL2	PX	-0.00221	-0.00221	0	0
10	PL6	PX	-0.00108	-0.00108	0	0
11	PL5	PX	-0.00108	-0.00108	0	0
12	PL4	PX	-0.00108	-0.00108	0	0
13	PL3	PX	-0.00108	-0.00108	0	0
14	PL2	PX	-0.00108	-0.00108	0	0
15	PL1	PX	-0.00108	-0.00108	0	0
16	MP GAMMA3	PX	-0.00613	-0.00613	0	0
17	MP GAMMA2	PX	-0.00613	-0.00613	0	0
18	MP GAMMA1	PX	-0.00613	-0.00613	0	0
19	MP BETA3	PX	-0.00613	-0.00613	0	0
20	MP BETA2	PX	-0.00613	-0.00613	0	0
21	MP BETA1	PX	-0.00613	-0.00613	0	0
22	MP ALPHA3	PX	-0.00613	-0.00613	0	0
23	MP ALPHA2	PX	-0.00613	-0.00613	0	0
24	MP ALPHA1	PX	-0.00613	-0.00613	0	0
25	FACE3	PX	-0.00538	-0.00538	0	0
26	FACE1	PX	-0.00538	-0.00538	0	0
27	FACE2	PX	-0.00269	-0.00269	0	0
28	CR6	PX	-0.00727	-0.00727	0	0
29	CR5	PX	-0.00727	-0.00727	0	0
30	CR4	PX	-0.00727	-0.00727	0	0
31	CR3	PX	-0.00727	-0.00727	0	0
32	CR2	PX	-0.00727	-0.00727	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
33	CR1	PX	-0.00727	-0.00727	0	0
34	CPL3	PX	-8.1e-5	-8.1e-5	0	0
35	CPL2	PX	-8.1e-5	-8.1e-5	0	0
36	CPL1	PX	-8.1e-5	-8.1e-5	0	0
37	ANGLE6	PX	-0.00043	-0.00043	0	0
38	ANGLE5	PX	-0.00043	-0.00043	0	0
39	ANGLE4	PX	-0.00043	-0.00043	0	0
40	ANGLE3	PX	-0.00043	-0.00043	0	0
41	ANGLE2	PX	-0.00043	-0.00043	0	0
42	ANGLE1	PX	-0.00043	-0.00043	0	0

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
1	SO3	PY	.000269	.000269	0	0
2	SO2	PY	.000269	.000269	0	0
3	SO1	PY	.000269	.000269	0	0
4	RPL3	PY	.000484	.000484	0	0
5	RPL2	PY	.000484	.000484	0	0
6	RPL1	PY	.000484	.000484	0	0
7	RAIL3	PY	.000221	.000221	0	0
8	RAIL1	PY	.000221	.000221	0	0
9	RAIL2	PY	.000111	.000111	0	0
10	PL6	PY	5.4e-5	5.4e-5	0	0
11	PL5	PY	5.4e-5	5.4e-5	0	0
12	PL4	PY	5.4e-5	5.4e-5	0	0
13	PL3	PY	5.4e-5	5.4e-5	0	0
14	PL2	PY	5.4e-5	5.4e-5	0	0
15	PL1	PY	5.4e-5	5.4e-5	0	0
16	MP GAMMA3	PY	.000307	.000307	0	0
17	MP GAMMA2	PY	.000307	.000307	0	0
18	MP GAMMA1	PY	.000307	.000307	0	0
19	MP BETA3	PY	.000307	.000307	0	0
20	MP BETA2	PY	.000307	.000307	0	0
21	MP BETA1	PY	.000307	.000307	0	0
22	MP ALPHA3	PY	.000307	.000307	0	0
23	MP ALPHA2	PY	.000307	.000307	0	0
24	MP ALPHA1	PY	.000307	.000307	0	0
25	FACE3	PY	.000269	.000269	0	0
26	FACE1	PY	.000269	.000269	0	0
27	FACE2	PY	.000135	.000135	0	0
28	CR6	PY	.000364	.000364	0	0
29	CR5	PY	.000364	.000364	0	0
30	CR4	PY	.000364	.000364	0	0
31	CR3	PY	.000364	.000364	0	0
32	CR2	PY	.000364	.000364	0	0
33	CR1	PY	.000364	.000364	0	0
34	CPL3	PY	4e-5	4e-5	0	0
35	CPL2	PY	4e-5	4e-5	0	0
36	CPL1	PY	4e-5	4e-5	0	0
37	ANGLE6	PY	.000215	.000215	0	0
38	ANGLE5	PY	.000215	.000215	0	0
39	ANGLE4	PY	.000215	.000215	0	0
40	ANGLE3	PY	.000215	.000215	0	0
41	ANGLE2	PY	.000215	.000215	0	0
42	ANGLE1	PY	.000215	.000215	0	0
43	SO3	PX	-0.00466	-0.00466	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]	
44	SO2	PX	-.000466	-.000466	0	0
45	SO1	PX	-.000466	-.000466	0	0
46	RPL3	PX	-.000838	-.000838	0	0
47	RPL2	PX	-.000838	-.000838	0	0
48	RPL1	PX	-.000838	-.000838	0	0
49	RAIL3	PX	-.000383	-.000383	0	0
50	RAIL1	PX	-.000383	-.000383	0	0
51	RAIL2	PX	-.000191	-.000191	0	0
52	PL6	PX	-9.3e-5	-9.3e-5	0	0
53	PL5	PX	-9.3e-5	-9.3e-5	0	0
54	PL4	PX	-9.3e-5	-9.3e-5	0	0
55	PL3	PX	-9.3e-5	-9.3e-5	0	0
56	PL2	PX	-9.3e-5	-9.3e-5	0	0
57	PL1	PX	-9.3e-5	-9.3e-5	0	0
58	MP GAMMA3	PX	-.000531	-.000531	0	0
59	MP GAMMA2	PX	-.000531	-.000531	0	0
60	MP GAMMA1	PX	-.000531	-.000531	0	0
61	MP BETA3	PX	-.000531	-.000531	0	0
62	MP BETA2	PX	-.000531	-.000531	0	0
63	MP BETA1	PX	-.000531	-.000531	0	0
64	MP ALPHA3	PX	-.000531	-.000531	0	0
65	MP ALPHA2	PX	-.000531	-.000531	0	0
66	MP ALPHA1	PX	-.000531	-.000531	0	0
67	FACE3	PX	-.000466	-.000466	0	0
68	FACE1	PX	-.000466	-.000466	0	0
69	FACE2	PX	-.000233	-.000233	0	0
70	CR6	PX	-.00063	-.00063	0	0
71	CR5	PX	-.00063	-.00063	0	0
72	CR4	PX	-.00063	-.00063	0	0
73	CR3	PX	-.00063	-.00063	0	0
74	CR2	PX	-.00063	-.00063	0	0
75	CR1	PX	-.00063	-.00063	0	0
76	CPL3	PX	-7e-5	-7e-5	0	0
77	CPL2	PX	-7e-5	-7e-5	0	0
78	CPL1	PX	-7e-5	-7e-5	0	0
79	ANGLE6	PX	-.000373	-.000373	0	0
80	ANGLE5	PX	-.000373	-.000373	0	0
81	ANGLE4	PX	-.000373	-.000373	0	0
82	ANGLE3	PX	-.000373	-.000373	0	0
83	ANGLE2	PX	-.000373	-.000373	0	0
84	ANGLE1	PX	-.000373	-.000373	0	0

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]	
1	SO3	PY	.000466	.000466	0	0
2	SO2	PY	.000466	.000466	0	0
3	SO1	PY	.000466	.000466	0	0
4	RPL3	PY	.000838	.000838	0	0
5	RPL2	PY	.000838	.000838	0	0
6	RPL1	PY	.000838	.000838	0	0
7	RAIL3	PY	.000383	.000383	0	0
8	RAIL1	PY	.000383	.000383	0	0
9	RAIL2	PY	.000191	.000191	0	0
10	PL6	PY	9.3e-5	9.3e-5	0	0
11	PL5	PY	9.3e-5	9.3e-5	0	0
12	PL4	PY	9.3e-5	9.3e-5	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
13	PL3	PY	9.3e-5	9.3e-5	0	0
14	PL2	PY	9.3e-5	9.3e-5	0	0
15	PL1	PY	9.3e-5	9.3e-5	0	0
16	MP GAMMA3	PY	.000531	.000531	0	0
17	MP GAMMA2	PY	.000531	.000531	0	0
18	MP GAMMA1	PY	.000531	.000531	0	0
19	MP BETA3	PY	.000531	.000531	0	0
20	MP BETA2	PY	.000531	.000531	0	0
21	MP BETA1	PY	.000531	.000531	0	0
22	MP ALPHA3	PY	.000531	.000531	0	0
23	MP ALPHA2	PY	.000531	.000531	0	0
24	MP ALPHA1	PY	.000531	.000531	0	0
25	FACE3	PY	.000466	.000466	0	0
26	FACE1	PY	.000466	.000466	0	0
27	FACE2	PY	.000233	.000233	0	0
28	CR6	PY	.00063	.00063	0	0
29	CR5	PY	.00063	.00063	0	0
30	CR4	PY	.00063	.00063	0	0
31	CR3	PY	.00063	.00063	0	0
32	CR2	PY	.00063	.00063	0	0
33	CR1	PY	.00063	.00063	0	0
34	CPL3	PY	7e-5	7e-5	0	0
35	CPL2	PY	7e-5	7e-5	0	0
36	CPL1	PY	7e-5	7e-5	0	0
37	ANGLE6	PY	.000373	.000373	0	0
38	ANGLE5	PY	.000373	.000373	0	0
39	ANGLE4	PY	.000373	.000373	0	0
40	ANGLE3	PY	.000373	.000373	0	0
41	ANGLE2	PY	.000373	.000373	0	0
42	ANGLE1	PY	.000373	.000373	0	0
43	SO3	PX	-.000269	-.000269	0	0
44	SO2	PX	-.000269	-.000269	0	0
45	SO1	PX	-.000269	-.000269	0	0
46	RPL3	PX	-.000484	-.000484	0	0
47	RPL2	PX	-.000484	-.000484	0	0
48	RPL1	PX	-.000484	-.000484	0	0
49	RAIL3	PX	-.000221	-.000221	0	0
50	RAIL1	PX	-.000221	-.000221	0	0
51	RAIL2	PX	-.000111	-.000111	0	0
52	PL6	PX	-5.4e-5	-5.4e-5	0	0
53	PL5	PX	-5.4e-5	-5.4e-5	0	0
54	PL4	PX	-5.4e-5	-5.4e-5	0	0
55	PL3	PX	-5.4e-5	-5.4e-5	0	0
56	PL2	PX	-5.4e-5	-5.4e-5	0	0
57	PL1	PX	-5.4e-5	-5.4e-5	0	0
58	MP GAMMA3	PX	-.000307	-.000307	0	0
59	MP GAMMA2	PX	-.000307	-.000307	0	0
60	MP GAMMA1	PX	-.000307	-.000307	0	0
61	MP BETA3	PX	-.000307	-.000307	0	0
62	MP BETA2	PX	-.000307	-.000307	0	0
63	MP BETA1	PX	-.000307	-.000307	0	0
64	MP ALPHA3	PX	-.000307	-.000307	0	0
65	MP ALPHA2	PX	-.000307	-.000307	0	0
66	MP ALPHA1	PX	-.000307	-.000307	0	0
67	FACE3	PX	-.000269	-.000269	0	0
68	FACE1	PX	-.000269	-.000269	0	0
69	FACE2	PX	-.000135	-.000135	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
70	CR6	PX	-.000364	-.000364	0	0
71	CR5	PX	-.000364	-.000364	0	0
72	CR4	PX	-.000364	-.000364	0	0
73	CR3	PX	-.000364	-.000364	0	0
74	CR2	PX	-.000364	-.000364	0	0
75	CR1	PX	-.000364	-.000364	0	0
76	CPL3	PX	-4e-5	-4e-5	0	0
77	CPL2	PX	-4e-5	-4e-5	0	0
78	CPL1	PX	-4e-5	-4e-5	0	0
79	ANGLE6	PX	-.000215	-.000215	0	0
80	ANGLE5	PX	-.000215	-.000215	0	0
81	ANGLE4	PX	-.000215	-.000215	0	0
82	ANGLE3	PX	-.000215	-.000215	0	0
83	ANGLE2	PX	-.000215	-.000215	0	0
84	ANGLE1	PX	-.000215	-.000215	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1	SO3	PY	.000538	.000538	0	0
2	SO2	PY	.000538	.000538	0	0
3	SO1	PY	.000538	.000538	0	0
4	RPL3	PY	.000968	.000968	0	0
5	RPL2	PY	.000968	.000968	0	0
6	RPL1	PY	.000968	.000968	0	0
7	RAIL3	PY	.000442	.000442	0	0
8	RAIL1	PY	.000442	.000442	0	0
9	RAIL2	PY	.000221	.000221	0	0
10	PL6	PY	.000108	.000108	0	0
11	PL5	PY	.000108	.000108	0	0
12	PL4	PY	.000108	.000108	0	0
13	PL3	PY	.000108	.000108	0	0
14	PL2	PY	.000108	.000108	0	0
15	PL1	PY	.000108	.000108	0	0
16	MP GAMMA3	PY	.000613	.000613	0	0
17	MP GAMMA2	PY	.000613	.000613	0	0
18	MP GAMMA1	PY	.000613	.000613	0	0
19	MP BETA3	PY	.000613	.000613	0	0
20	MP BETA2	PY	.000613	.000613	0	0
21	MP BETA1	PY	.000613	.000613	0	0
22	MP ALPHA3	PY	.000613	.000613	0	0
23	MP ALPHA2	PY	.000613	.000613	0	0
24	MP ALPHA1	PY	.000613	.000613	0	0
25	FACE3	PY	.000538	.000538	0	0
26	FACE1	PY	.000538	.000538	0	0
27	FACE2	PY	.000269	.000269	0	0
28	CR6	PY	.000727	.000727	0	0
29	CR5	PY	.000727	.000727	0	0
30	CR4	PY	.000727	.000727	0	0
31	CR3	PY	.000727	.000727	0	0
32	CR2	PY	.000727	.000727	0	0
33	CR1	PY	.000727	.000727	0	0
34	CPL3	PY	8.1e-5	8.1e-5	0	0
35	CPL2	PY	8.1e-5	8.1e-5	0	0
36	CPL1	PY	8.1e-5	8.1e-5	0	0
37	ANGLE6	PY	.00043	.00043	0	0
38	ANGLE5	PY	.00043	.00043	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
39	ANGLE4	PY	.00043	.00043	0	0
40	ANGLE3	PY	.00043	.00043	0	0
41	ANGLE2	PY	.00043	.00043	0	0
42	ANGLE1	PY	.00043	.00043	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3	PY	.000466	.000466	0	0
2	SO2	PY	.000466	.000466	0	0
3	SO1	PY	.000466	.000466	0	0
4	RPL3	PY	.000838	.000838	0	0
5	RPL2	PY	.000838	.000838	0	0
6	RPL1	PY	.000838	.000838	0	0
7	RAIL1	PY	.000383	.000383	0	0
8	RAIL2	PY	.000383	.000383	0	0
9	RAIL3	PY	.000191	.000191	0	0
10	PL6	PY	9.3e-5	9.3e-5	0	0
11	PL5	PY	9.3e-5	9.3e-5	0	0
12	PL4	PY	9.3e-5	9.3e-5	0	0
13	PL3	PY	9.3e-5	9.3e-5	0	0
14	PL2	PY	9.3e-5	9.3e-5	0	0
15	PL1	PY	9.3e-5	9.3e-5	0	0
16	MP GAMMA3	PY	.000531	.000531	0	0
17	MP GAMMA2	PY	.000531	.000531	0	0
18	MP GAMMA1	PY	.000531	.000531	0	0
19	MP BETA3	PY	.000531	.000531	0	0
20	MP BETA2	PY	.000531	.000531	0	0
21	MP BETA1	PY	.000531	.000531	0	0
22	MP ALPHA3	PY	.000531	.000531	0	0
23	MP ALPHA2	PY	.000531	.000531	0	0
24	MP ALPHA1	PY	.000531	.000531	0	0
25	FACE1	PY	.000466	.000466	0	0
26	FACE2	PY	.000466	.000466	0	0
27	FACE3	PY	.000233	.000233	0	0
28	CR6	PY	.00063	.00063	0	0
29	CR5	PY	.00063	.00063	0	0
30	CR4	PY	.00063	.00063	0	0
31	CR3	PY	.00063	.00063	0	0
32	CR2	PY	.00063	.00063	0	0
33	CR1	PY	.00063	.00063	0	0
34	CPL3	PY	7e-5	7e-5	0	0
35	CPL2	PY	7e-5	7e-5	0	0
36	CPL1	PY	7e-5	7e-5	0	0
37	ANGLE6	PY	.000373	.000373	0	0
38	ANGLE5	PY	.000373	.000373	0	0
39	ANGLE4	PY	.000373	.000373	0	0
40	ANGLE3	PY	.000373	.000373	0	0
41	ANGLE2	PY	.000373	.000373	0	0
42	ANGLE1	PY	.000373	.000373	0	0
43	SO3	PX	.000269	.000269	0	0
44	SO2	PX	.000269	.000269	0	0
45	SO1	PX	.000269	.000269	0	0
46	RPL3	PX	.000484	.000484	0	0
47	RPL2	PX	.000484	.000484	0	0
48	RPL1	PX	.000484	.000484	0	0
49	RAIL1	PX	.000221	.000221	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
50	RAIL2	PX	.000221	.000221	0	0
51	RAIL3	PX	.000111	.000111	0	0
52	PL6	PX	5.4e-5	5.4e-5	0	0
53	PL5	PX	5.4e-5	5.4e-5	0	0
54	PL4	PX	5.4e-5	5.4e-5	0	0
55	PL3	PX	5.4e-5	5.4e-5	0	0
56	PL2	PX	5.4e-5	5.4e-5	0	0
57	PL1	PX	5.4e-5	5.4e-5	0	0
58	MP GAMMA3	PX	.000307	.000307	0	0
59	MP GAMMA2	PX	.000307	.000307	0	0
60	MP GAMMA1	PX	.000307	.000307	0	0
61	MP BETA3	PX	.000307	.000307	0	0
62	MP BETA2	PX	.000307	.000307	0	0
63	MP BETA1	PX	.000307	.000307	0	0
64	MP ALPHA3	PX	.000307	.000307	0	0
65	MP ALPHA2	PX	.000307	.000307	0	0
66	MP ALPHA1	PX	.000307	.000307	0	0
67	FACE1	PX	.000269	.000269	0	0
68	FACE2	PX	.000269	.000269	0	0
69	FACE3	PX	.000135	.000135	0	0
70	CR6	PX	.000364	.000364	0	0
71	CR5	PX	.000364	.000364	0	0
72	CR4	PX	.000364	.000364	0	0
73	CR3	PX	.000364	.000364	0	0
74	CR2	PX	.000364	.000364	0	0
75	CR1	PX	.000364	.000364	0	0
76	CPL3	PX	4e-5	4e-5	0	0
77	CPL2	PX	4e-5	4e-5	0	0
78	CPL1	PX	4e-5	4e-5	0	0
79	ANGLE6	PX	.000215	.000215	0	0
80	ANGLE5	PX	.000215	.000215	0	0
81	ANGLE4	PX	.000215	.000215	0	0
82	ANGLE3	PX	.000215	.000215	0	0
83	ANGLE2	PX	.000215	.000215	0	0
84	ANGLE1	PX	.000215	.000215	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3	PY	.000269	.000269	0	0
2	SO2	PY	.000269	.000269	0	0
3	SO1	PY	.000269	.000269	0	0
4	RPL3	PY	.000484	.000484	0	0
5	RPL2	PY	.000484	.000484	0	0
6	RPL1	PY	.000484	.000484	0	0
7	RAIL1	PY	.000221	.000221	0	0
8	RAIL2	PY	.000221	.000221	0	0
9	RAIL3	PY	.000111	.000111	0	0
10	PL6	PY	5.4e-5	5.4e-5	0	0
11	PL5	PY	5.4e-5	5.4e-5	0	0
12	PL4	PY	5.4e-5	5.4e-5	0	0
13	PL3	PY	5.4e-5	5.4e-5	0	0
14	PL2	PY	5.4e-5	5.4e-5	0	0
15	PL1	PY	5.4e-5	5.4e-5	0	0
16	MP GAMMA3	PY	.000307	.000307	0	0
17	MP GAMMA2	PY	.000307	.000307	0	0
18	MP GAMMA1	PY	.000307	.000307	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
19	MP BETA3	PY	.000307	.000307	0	0
20	MP BETA2	PY	.000307	.000307	0	0
21	MP BETA1	PY	.000307	.000307	0	0
22	MP ALPHA3	PY	.000307	.000307	0	0
23	MP ALPHA2	PY	.000307	.000307	0	0
24	MP ALPHA1	PY	.000307	.000307	0	0
25	FACE1	PY	.000269	.000269	0	0
26	FACE2	PY	.000269	.000269	0	0
27	FACE3	PY	.000135	.000135	0	0
28	CR6	PY	.000364	.000364	0	0
29	CR5	PY	.000364	.000364	0	0
30	CR4	PY	.000364	.000364	0	0
31	CR3	PY	.000364	.000364	0	0
32	CR2	PY	.000364	.000364	0	0
33	CR1	PY	.000364	.000364	0	0
34	CPL3	PY	4e-5	4e-5	0	0
35	CPL2	PY	4e-5	4e-5	0	0
36	CPL1	PY	4e-5	4e-5	0	0
37	ANGLE6	PY	.000215	.000215	0	0
38	ANGLE5	PY	.000215	.000215	0	0
39	ANGLE4	PY	.000215	.000215	0	0
40	ANGLE3	PY	.000215	.000215	0	0
41	ANGLE2	PY	.000215	.000215	0	0
42	ANGLE1	PY	.000215	.000215	0	0
43	SO3	PX	.000466	.000466	0	0
44	SO2	PX	.000466	.000466	0	0
45	SO1	PX	.000466	.000466	0	0
46	RPL3	PX	.000838	.000838	0	0
47	RPL2	PX	.000838	.000838	0	0
48	RPL1	PX	.000838	.000838	0	0
49	RAIL1	PX	.000383	.000383	0	0
50	RAIL2	PX	.000383	.000383	0	0
51	RAIL3	PX	.000191	.000191	0	0
52	PL6	PX	9.3e-5	9.3e-5	0	0
53	PL5	PX	9.3e-5	9.3e-5	0	0
54	PL4	PX	9.3e-5	9.3e-5	0	0
55	PL3	PX	9.3e-5	9.3e-5	0	0
56	PL2	PX	9.3e-5	9.3e-5	0	0
57	PL1	PX	9.3e-5	9.3e-5	0	0
58	MP GAMMA3	PX	.000531	.000531	0	0
59	MP GAMMA2	PX	.000531	.000531	0	0
60	MP GAMMA1	PX	.000531	.000531	0	0
61	MP BETA3	PX	.000531	.000531	0	0
62	MP BETA2	PX	.000531	.000531	0	0
63	MP BETA1	PX	.000531	.000531	0	0
64	MP ALPHA3	PX	.000531	.000531	0	0
65	MP ALPHA2	PX	.000531	.000531	0	0
66	MP ALPHA1	PX	.000531	.000531	0	0
67	FACE1	PX	.000466	.000466	0	0
68	FACE2	PX	.000466	.000466	0	0
69	FACE3	PX	.000233	.000233	0	0
70	CR6	PX	.00063	.00063	0	0
71	CR5	PX	.00063	.00063	0	0
72	CR4	PX	.00063	.00063	0	0
73	CR3	PX	.00063	.00063	0	0
74	CR2	PX	.00063	.00063	0	0
75	CR1	PX	.00063	.00063	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
76	CPL3	PX	7e-5	7e-5	0	0
77	CPL2	PX	7e-5	7e-5	0	0
78	CPL1	PX	7e-5	7e-5	0	0
79	ANGLE6	PX	.000373	.000373	0	0
80	ANGLE5	PX	.000373	.000373	0	0
81	ANGLE4	PX	.000373	.000373	0	0
82	ANGLE3	PX	.000373	.000373	0	0
83	ANGLE2	PX	.000373	.000373	0	0
84	ANGLE1	PX	.000373	.000373	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
1	SO3	PX	.000538	.000538	0	0
2	SO2	PX	.000538	.000538	0	0
3	SO1	PX	.000538	.000538	0	0
4	RPL3	PX	.000968	.000968	0	0
5	RPL2	PX	.000968	.000968	0	0
6	RPL1	PX	.000968	.000968	0	0
7	RAIL1	PX	.000442	.000442	0	0
8	RAIL2	PX	.000442	.000442	0	0
9	RAIL3	PX	.000221	.000221	0	0
10	PL6	PX	.000108	.000108	0	0
11	PL5	PX	.000108	.000108	0	0
12	PL4	PX	.000108	.000108	0	0
13	PL3	PX	.000108	.000108	0	0
14	PL2	PX	.000108	.000108	0	0
15	PL1	PX	.000108	.000108	0	0
16	MP GAMMA3	PX	.000613	.000613	0	0
17	MP GAMMA2	PX	.000613	.000613	0	0
18	MP GAMMA1	PX	.000613	.000613	0	0
19	MP BETA3	PX	.000613	.000613	0	0
20	MP BETA2	PX	.000613	.000613	0	0
21	MP BETA1	PX	.000613	.000613	0	0
22	MP ALPHA3	PX	.000613	.000613	0	0
23	MP ALPHA2	PX	.000613	.000613	0	0
24	MP ALPHA1	PX	.000613	.000613	0	0
25	FACE1	PX	.000538	.000538	0	0
26	FACE2	PX	.000538	.000538	0	0
27	FACE3	PX	.000269	.000269	0	0
28	CR6	PX	.000727	.000727	0	0
29	CR5	PX	.000727	.000727	0	0
30	CR4	PX	.000727	.000727	0	0
31	CR3	PX	.000727	.000727	0	0
32	CR2	PX	.000727	.000727	0	0
33	CR1	PX	.000727	.000727	0	0
34	CPL3	PX	8.1e-5	8.1e-5	0	0
35	CPL2	PX	8.1e-5	8.1e-5	0	0
36	CPL1	PX	8.1e-5	8.1e-5	0	0
37	ANGLE6	PX	.00043	.00043	0	0
38	ANGLE5	PX	.00043	.00043	0	0
39	ANGLE4	PX	.00043	.00043	0	0
40	ANGLE3	PX	.00043	.00043	0	0
41	ANGLE2	PX	.00043	.00043	0	0
42	ANGLE1	PX	.00043	.00043	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
1	SO3	PY	-0.00269	-0.00269	0	0
2	SO2	PY	-0.00269	-0.00269	0	0
3	SO1	PY	-0.00269	-0.00269	0	0
4	RPL3	PY	-0.00484	-0.00484	0	0
5	RPL2	PY	-0.00484	-0.00484	0	0
6	RPL1	PY	-0.00484	-0.00484	0	0
7	RAIL1	PY	-0.00221	-0.00221	0	0
8	RAIL2	PY	-0.00221	-0.00221	0	0
9	RAIL3	PY	-0.00111	-0.00111	0	0
10	PL6	PY	-5.4e-5	-5.4e-5	0	0
11	PL5	PY	-5.4e-5	-5.4e-5	0	0
12	PL4	PY	-5.4e-5	-5.4e-5	0	0
13	PL3	PY	-5.4e-5	-5.4e-5	0	0
14	PL2	PY	-5.4e-5	-5.4e-5	0	0
15	PL1	PY	-5.4e-5	-5.4e-5	0	0
16	MP GAMMA3	PY	-0.00307	-0.00307	0	0
17	MP GAMMA2	PY	-0.00307	-0.00307	0	0
18	MP GAMMA1	PY	-0.00307	-0.00307	0	0
19	MP BETA3	PY	-0.00307	-0.00307	0	0
20	MP BETA2	PY	-0.00307	-0.00307	0	0
21	MP BETA1	PY	-0.00307	-0.00307	0	0
22	MP ALPHA3	PY	-0.00307	-0.00307	0	0
23	MP ALPHA2	PY	-0.00307	-0.00307	0	0
24	MP ALPHA1	PY	-0.00307	-0.00307	0	0
25	FACE1	PY	-0.00269	-0.00269	0	0
26	FACE2	PY	-0.00269	-0.00269	0	0
27	FACE3	PY	-0.00135	-0.00135	0	0
28	CR6	PY	-0.00364	-0.00364	0	0
29	CR5	PY	-0.00364	-0.00364	0	0
30	CR4	PY	-0.00364	-0.00364	0	0
31	CR3	PY	-0.00364	-0.00364	0	0
32	CR2	PY	-0.00364	-0.00364	0	0
33	CR1	PY	-0.00364	-0.00364	0	0
34	CPL3	PY	-4e-5	-4e-5	0	0
35	CPL2	PY	-4e-5	-4e-5	0	0
36	CPL1	PY	-4e-5	-4e-5	0	0
37	ANGLE6	PY	-0.00215	-0.00215	0	0
38	ANGLE5	PY	-0.00215	-0.00215	0	0
39	ANGLE4	PY	-0.00215	-0.00215	0	0
40	ANGLE3	PY	-0.00215	-0.00215	0	0
41	ANGLE2	PY	-0.00215	-0.00215	0	0
42	ANGLE1	PY	-0.00215	-0.00215	0	0
43	SO3	PX	.000466	.000466	0	0
44	SO2	PX	.000466	.000466	0	0
45	SO1	PX	.000466	.000466	0	0
46	RPL3	PX	.000838	.000838	0	0
47	RPL2	PX	.000838	.000838	0	0
48	RPL1	PX	.000838	.000838	0	0
49	RAIL1	PX	.000383	.000383	0	0
50	RAIL2	PX	.000383	.000383	0	0
51	RAIL3	PX	.000191	.000191	0	0
52	PL6	PX	9.3e-5	9.3e-5	0	0
53	PL5	PX	9.3e-5	9.3e-5	0	0
54	PL4	PX	9.3e-5	9.3e-5	0	0
55	PL3	PX	9.3e-5	9.3e-5	0	0
56	PL2	PX	9.3e-5	9.3e-5	0	0
57	PL1	PX	9.3e-5	9.3e-5	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]	
58	MP GAMMA3	PX	.000531	.000531	0	0
59	MP GAMMA2	PX	.000531	.000531	0	0
60	MP GAMMA1	PX	.000531	.000531	0	0
61	MP BETA3	PX	.000531	.000531	0	0
62	MP BETA2	PX	.000531	.000531	0	0
63	MP BETA1	PX	.000531	.000531	0	0
64	MP ALPHA3	PX	.000531	.000531	0	0
65	MP ALPHA2	PX	.000531	.000531	0	0
66	MP ALPHA1	PX	.000531	.000531	0	0
67	FACE1	PX	.000466	.000466	0	0
68	FACE2	PX	.000466	.000466	0	0
69	FACE3	PX	.000233	.000233	0	0
70	CR6	PX	.00063	.00063	0	0
71	CR5	PX	.00063	.00063	0	0
72	CR4	PX	.00063	.00063	0	0
73	CR3	PX	.00063	.00063	0	0
74	CR2	PX	.00063	.00063	0	0
75	CR1	PX	.00063	.00063	0	0
76	CPL3	PX	7e-5	7e-5	0	0
77	CPL2	PX	7e-5	7e-5	0	0
78	CPL1	PX	7e-5	7e-5	0	0
79	ANGLE6	PX	.000373	.000373	0	0
80	ANGLE5	PX	.000373	.000373	0	0
81	ANGLE4	PX	.000373	.000373	0	0
82	ANGLE3	PX	.000373	.000373	0	0
83	ANGLE2	PX	.000373	.000373	0	0
84	ANGLE1	PX	.000373	.000373	0	0

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]	
1	SO3	PY	-.000466	-.000466	0	0
2	SO2	PY	-.000466	-.000466	0	0
3	SO1	PY	-.000466	-.000466	0	0
4	RPL3	PY	-.000838	-.000838	0	0
5	RPL2	PY	-.000838	-.000838	0	0
6	RPL1	PY	-.000838	-.000838	0	0
7	RAIL3	PY	-.000383	-.000383	0	0
8	RAIL2	PY	-.000383	-.000383	0	0
9	RAIL1	PY	-.000191	-.000191	0	0
10	PL6	PY	-9.3e-5	-9.3e-5	0	0
11	PL5	PY	-9.3e-5	-9.3e-5	0	0
12	PL4	PY	-9.3e-5	-9.3e-5	0	0
13	PL3	PY	-9.3e-5	-9.3e-5	0	0
14	PL2	PY	-9.3e-5	-9.3e-5	0	0
15	PL1	PY	-9.3e-5	-9.3e-5	0	0
16	MP GAMMA3	PY	-.000531	-.000531	0	0
17	MP GAMMA2	PY	-.000531	-.000531	0	0
18	MP GAMMA1	PY	-.000531	-.000531	0	0
19	MP BETA3	PY	-.000531	-.000531	0	0
20	MP BETA2	PY	-.000531	-.000531	0	0
21	MP BETA1	PY	-.000531	-.000531	0	0
22	MP ALPHA3	PY	-.000531	-.000531	0	0
23	MP ALPHA2	PY	-.000531	-.000531	0	0
24	MP ALPHA1	PY	-.000531	-.000531	0	0
25	FACE3	PY	-.000466	-.000466	0	0
26	FACE2	PY	-.000466	-.000466	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
27	FACE1	PY	-.000233	-.000233	0	0
28	CR6	PY	-.00063	-.00063	0	0
29	CR5	PY	-.00063	-.00063	0	0
30	CR4	PY	-.00063	-.00063	0	0
31	CR3	PY	-.00063	-.00063	0	0
32	CR2	PY	-.00063	-.00063	0	0
33	CR1	PY	-.00063	-.00063	0	0
34	CPL3	PY	-7e-5	-7e-5	0	0
35	CPL2	PY	-7e-5	-7e-5	0	0
36	CPL1	PY	-7e-5	-7e-5	0	0
37	ANGLE6	PY	-.000373	-.000373	0	0
38	ANGLE5	PY	-.000373	-.000373	0	0
39	ANGLE4	PY	-.000373	-.000373	0	0
40	ANGLE3	PY	-.000373	-.000373	0	0
41	ANGLE2	PY	-.000373	-.000373	0	0
42	ANGLE1	PY	-.000373	-.000373	0	0
43	SO3	PX	.000269	.000269	0	0
44	SO2	PX	.000269	.000269	0	0
45	SO1	PX	.000269	.000269	0	0
46	RPL3	PX	.000484	.000484	0	0
47	RPL2	PX	.000484	.000484	0	0
48	RPL1	PX	.000484	.000484	0	0
49	RAIL3	PX	.000221	.000221	0	0
50	RAIL2	PX	.000221	.000221	0	0
51	RAIL1	PX	.000111	.000111	0	0
52	PL6	PX	5.4e-5	5.4e-5	0	0
53	PL5	PX	5.4e-5	5.4e-5	0	0
54	PL4	PX	5.4e-5	5.4e-5	0	0
55	PL3	PX	5.4e-5	5.4e-5	0	0
56	PL2	PX	5.4e-5	5.4e-5	0	0
57	PL1	PX	5.4e-5	5.4e-5	0	0
58	MP GAMMA3	PX	.000307	.000307	0	0
59	MP GAMMA2	PX	.000307	.000307	0	0
60	MP GAMMA1	PX	.000307	.000307	0	0
61	MP BETA3	PX	.000307	.000307	0	0
62	MP BETA2	PX	.000307	.000307	0	0
63	MP BETA1	PX	.000307	.000307	0	0
64	MP ALPHA3	PX	.000307	.000307	0	0
65	MP ALPHA2	PX	.000307	.000307	0	0
66	MP ALPHA1	PX	.000307	.000307	0	0
67	FACE3	PX	.000269	.000269	0	0
68	FACE2	PX	.000269	.000269	0	0
69	FACE1	PX	.000135	.000135	0	0
70	CR6	PX	.000364	.000364	0	0
71	CR5	PX	.000364	.000364	0	0
72	CR4	PX	.000364	.000364	0	0
73	CR3	PX	.000364	.000364	0	0
74	CR2	PX	.000364	.000364	0	0
75	CR1	PX	.000364	.000364	0	0
76	CPL3	PX	4e-5	4e-5	0	0
77	CPL2	PX	4e-5	4e-5	0	0
78	CPL1	PX	4e-5	4e-5	0	0
79	ANGLE6	PX	.000215	.000215	0	0
80	ANGLE5	PX	.000215	.000215	0	0
81	ANGLE4	PX	.000215	.000215	0	0
82	ANGLE3	PX	.000215	.000215	0	0
83	ANGLE2	PX	.000215	.000215	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
84 ANGLE1	PX	.000215	.000215	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load)

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1 SO3	Z	-.015	-.015	0	0
2 SO2	Z	-.015	-.015	0	0
3 SO1	Z	-.015	-.015	0	0
4 RPL3	Z	-.017	-.017	0	0
5 RPL2	Z	-.017	-.017	0	0
6 RPL1	Z	-.017	-.017	0	0
7 RAIL3	Z	-.01	-.01	0	0
8 RAIL2	Z	-.01	-.01	0	0
9 RAIL1	Z	-.01	-.01	0	0
10 PL6	Z	-.008	-.008	0	0
11 PL5	Z	-.008	-.008	0	0
12 PL4	Z	-.008	-.008	0	0
13 PL3	Z	-.008	-.008	0	0
14 PL2	Z	-.008	-.008	0	0
15 PL1	Z	-.008	-.008	0	0
16 MP GAMMA3	Z	-.009	-.009	0	0
17 MP GAMMA2	Z	-.009	-.009	0	0
18 MP GAMMA1	Z	-.009	-.009	0	0
19 MP BETA3	Z	-.009	-.009	0	0
20 MP BETA2	Z	-.009	-.009	0	0
21 MP BETA1	Z	-.009	-.009	0	0
22 MP ALPHA3	Z	-.009	-.009	0	0
23 MP ALPHA2	Z	-.009	-.009	0	0
24 MP ALPHA1	Z	-.009	-.009	0	0
25 FACE3	Z	-.011	-.011	0	0
26 FACE2	Z	-.011	-.011	0	0
27 FACE1	Z	-.011	-.011	0	0
28 CR6	Z	-.015	-.015	0	0
29 CR5	Z	-.015	-.015	0	0
30 CR4	Z	-.015	-.015	0	0
31 CR3	Z	-.015	-.015	0	0
32 CR2	Z	-.015	-.015	0	0
33 CR1	Z	-.015	-.015	0	0
34 CPL3	Z	-.014	-.014	0	0
35 CPL2	Z	-.014	-.014	0	0
36 CPL1	Z	-.014	-.014	0	0
37 ANGLE6	Z	-.01	-.01	0	0
38 ANGLE5	Z	-.01	-.01	0	0
39 ANGLE4	Z	-.01	-.01	0	0
40 ANGLE3	Z	-.01	-.01	0	0
41 ANGLE2	Z	-.01	-.01	0	0
42 ANGLE1	Z	-.01	-.01	0	0

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1 SO3	PY	-.002	-.002	0	0
2 SO2	PY	-.002	-.002	0	0
3 SO1	PY	-.002	-.002	0	0
4 RPL3	PY	-.003	-.003	0	0
5 RPL2	PY	-.003	-.003	0	0
6 RPL1	PY	-.003	-.003	0	0
7 RAIL3	PY	-.003	-.003	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
8	RAIL2	PY	-0.003	-0.003	0	0
9	RAIL1	PY	-0.002	-0.002	0	0
10	PL6	PY	-0.002	-0.002	0	0
11	PL5	PY	-0.002	-0.002	0	0
12	PL4	PY	-0.002	-0.002	0	0
13	PL3	PY	-0.002	-0.002	0	0
14	PL2	PY	-0.002	-0.002	0	0
15	PL1	PY	-0.002	-0.002	0	0
16	MP GAMMA3	PY	-0.004	-0.004	0	0
17	MP GAMMA2	PY	-0.004	-0.004	0	0
18	MP GAMMA1	PY	-0.004	-0.004	0	0
19	MP BETA3	PY	-0.004	-0.004	0	0
20	MP BETA2	PY	-0.004	-0.004	0	0
21	MP BETA1	PY	-0.004	-0.004	0	0
22	MP ALPHA3	PY	-0.004	-0.004	0	0
23	MP ALPHA2	PY	-0.004	-0.004	0	0
24	MP ALPHA1	PY	-0.004	-0.004	0	0
25	FACE3	PY	-0.004	-0.004	0	0
26	FACE2	PY	-0.004	-0.004	0	0
27	FACE1	PY	-0.002	-0.002	0	0
28	CR6	PY	-0.003	-0.003	0	0
29	CR5	PY	-0.003	-0.003	0	0
30	CR4	PY	-0.003	-0.003	0	0
31	CR3	PY	-0.003	-0.003	0	0
32	CR2	PY	-0.003	-0.003	0	0
33	CR1	PY	-0.003	-0.003	0	0
34	CPL3	PY	-0.002	-0.002	0	0
35	CPL2	PY	-0.002	-0.002	0	0
36	CPL1	PY	-0.002	-0.002	0	0
37	ANGLE6	PY	-0.002	-0.002	0	0
38	ANGLE5	PY	-0.002	-0.002	0	0
39	ANGLE4	PY	-0.002	-0.002	0	0
40	ANGLE3	PY	-0.002	-0.002	0	0
41	ANGLE2	PY	-0.002	-0.002	0	0
42	ANGLE1	PY	-0.002	-0.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F,...	Start Location[ft, %]	End Location[ft, %]
1	SO3	PY	-0.002	-0.002	0	0
2	SO2	PY	-0.002	-0.002	0	0
3	SO1	PY	-0.002	-0.002	0	0
4	RPL3	PY	-0.003	-0.003	0	0
5	RPL2	PY	-0.003	-0.003	0	0
6	RPL1	PY	-0.003	-0.003	0	0
7	RAIL3	PY	-0.003	-0.003	0	0
8	RAIL2	PY	-0.003	-0.003	0	0
9	RAIL1	PY	-0.001	-0.001	0	0
10	PL6	PY	-0.001	-0.001	0	0
11	PL5	PY	-0.001	-0.001	0	0
12	PL4	PY	-0.001	-0.001	0	0
13	PL3	PY	-0.001	-0.001	0	0
14	PL2	PY	-0.001	-0.001	0	0
15	PL1	PY	-0.001	-0.001	0	0
16	MP GAMMA3	PY	-0.003	-0.003	0	0
17	MP GAMMA2	PY	-0.003	-0.003	0	0
18	MP GAMMA1	PY	-0.003	-0.003	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
19	MP BETA3	PY	-0.003	-0.003	0	0
20	MP BETA2	PY	-0.003	-0.003	0	0
21	MP BETA1	PY	-0.003	-0.003	0	0
22	MP ALPHA3	PY	-0.003	-0.003	0	0
23	MP ALPHA2	PY	-0.003	-0.003	0	0
24	MP ALPHA1	PY	-0.003	-0.003	0	0
25	FACE3	PY	-0.003	-0.003	0	0
26	FACE2	PY	-0.003	-0.003	0	0
27	FACE1	PY	-0.002	-0.002	0	0
28	CR6	PY	-0.002	-0.002	0	0
29	CR5	PY	-0.002	-0.002	0	0
30	CR4	PY	-0.002	-0.002	0	0
31	CR3	PY	-0.002	-0.002	0	0
32	CR2	PY	-0.002	-0.002	0	0
33	CR1	PY	-0.002	-0.002	0	0
34	CPL3	PY	-0.001	-0.001	0	0
35	CPL2	PY	-0.001	-0.001	0	0
36	CPL1	PY	-0.001	-0.001	0	0
37	ANGLE6	PY	-0.002	-0.002	0	0
38	ANGLE5	PY	-0.002	-0.002	0	0
39	ANGLE4	PY	-0.002	-0.002	0	0
40	ANGLE3	PY	-0.002	-0.002	0	0
41	ANGLE2	PY	-0.002	-0.002	0	0
42	ANGLE1	PY	-0.002	-0.002	0	0
43	SO3	PX	-0.000982	-0.000982	0	0
44	SO2	PX	-0.000982	-0.000982	0	0
45	SO1	PX	-0.000982	-0.000982	0	0
46	RPL3	PX	-0.002	-0.002	0	0
47	RPL2	PX	-0.002	-0.002	0	0
48	RPL1	PX	-0.002	-0.002	0	0
49	RAIL3	PX	-0.002	-0.002	0	0
50	RAIL2	PX	-0.002	-0.002	0	0
51	RAIL1	PX	-0.0008	-0.0008	0	0
52	PL6	PX	-0.000832	-0.000832	0	0
53	PL5	PX	-0.000832	-0.000832	0	0
54	PL4	PX	-0.000832	-0.000832	0	0
55	PL3	PX	-0.000832	-0.000832	0	0
56	PL2	PX	-0.000832	-0.000832	0	0
57	PL1	PX	-0.000832	-0.000832	0	0
58	MP GAMMA3	PX	-0.002	-0.002	0	0
59	MP GAMMA2	PX	-0.002	-0.002	0	0
60	MP GAMMA1	PX	-0.002	-0.002	0	0
61	MP BETA3	PX	-0.002	-0.002	0	0
62	MP BETA2	PX	-0.002	-0.002	0	0
63	MP BETA1	PX	-0.002	-0.002	0	0
64	MP ALPHA3	PX	-0.002	-0.002	0	0
65	MP ALPHA2	PX	-0.002	-0.002	0	0
66	MP ALPHA1	PX	-0.002	-0.002	0	0
67	FACE3	PX	-0.002	-0.002	0	0
68	FACE2	PX	-0.002	-0.002	0	0
69	FACE1	PX	-0.000879	-0.000879	0	0
70	CR6	PX	-0.001	-0.001	0	0
71	CR5	PX	-0.001	-0.001	0	0
72	CR4	PX	-0.001	-0.001	0	0
73	CR3	PX	-0.001	-0.001	0	0
74	CR2	PX	-0.001	-0.001	0	0
75	CR1	PX	-0.001	-0.001	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]
76	CPL3	PX	-0.00806	-0.00806	0	0
77	CPL2	PX	-0.00806	-0.00806	0	0
78	CPL1	PX	-0.00806	-0.00806	0	0
79	ANGLE6	PX	-0.001	-0.001	0	0
80	ANGLE5	PX	-0.001	-0.001	0	0
81	ANGLE4	PX	-0.001	-0.001	0	0
82	ANGLE3	PX	-0.001	-0.001	0	0
83	ANGLE2	PX	-0.001	-0.001	0	0
84	ANGLE1	PX	-0.001	-0.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]
1	SO3	PY	-0.00982	-0.00982	0	0
2	SO2	PY	-0.00982	-0.00982	0	0
3	SO1	PY	-0.00982	-0.00982	0	0
4	RPL3	PY	-0.002	-0.002	0	0
5	RPL2	PY	-0.002	-0.002	0	0
6	RPL1	PY	-0.002	-0.002	0	0
7	RAIL3	PY	-0.002	-0.002	0	0
8	RAIL2	PY	-0.002	-0.002	0	0
9	RAIL1	PY	-0.008	-0.008	0	0
10	PL6	PY	-0.00832	-0.00832	0	0
11	PL5	PY	-0.00832	-0.00832	0	0
12	PL4	PY	-0.00832	-0.00832	0	0
13	PL3	PY	-0.00832	-0.00832	0	0
14	PL2	PY	-0.00832	-0.00832	0	0
15	PL1	PY	-0.00832	-0.00832	0	0
16	MP GAMMA3	PY	-0.002	-0.002	0	0
17	MP GAMMA2	PY	-0.002	-0.002	0	0
18	MP GAMMA1	PY	-0.002	-0.002	0	0
19	MP BETA3	PY	-0.002	-0.002	0	0
20	MP BETA2	PY	-0.002	-0.002	0	0
21	MP BETA1	PY	-0.002	-0.002	0	0
22	MP ALPHA3	PY	-0.002	-0.002	0	0
23	MP ALPHA2	PY	-0.002	-0.002	0	0
24	MP ALPHA1	PY	-0.002	-0.002	0	0
25	FACE3	PY	-0.002	-0.002	0	0
26	FACE2	PY	-0.002	-0.002	0	0
27	FACE1	PY	-0.00879	-0.00879	0	0
28	CR6	PY	-0.001	-0.001	0	0
29	CR5	PY	-0.001	-0.001	0	0
30	CR4	PY	-0.001	-0.001	0	0
31	CR3	PY	-0.001	-0.001	0	0
32	CR2	PY	-0.001	-0.001	0	0
33	CR1	PY	-0.001	-0.001	0	0
34	CPL3	PY	-0.00806	-0.00806	0	0
35	CPL2	PY	-0.00806	-0.00806	0	0
36	CPL1	PY	-0.00806	-0.00806	0	0
37	ANGLE6	PY	-0.001	-0.001	0	0
38	ANGLE5	PY	-0.001	-0.001	0	0
39	ANGLE4	PY	-0.001	-0.001	0	0
40	ANGLE3	PY	-0.001	-0.001	0	0
41	ANGLE2	PY	-0.001	-0.001	0	0
42	ANGLE1	PY	-0.001	-0.001	0	0
43	SO3	PX	-0.002	-0.002	0	0
44	SO2	PX	-0.002	-0.002	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]
45	SO1	PX	-0.002	-0.002	0	0
46	RPL3	PX	-0.003	-0.003	0	0
47	RPL2	PX	-0.003	-0.003	0	0
48	RPL1	PX	-0.003	-0.003	0	0
49	RAIL3	PX	-0.003	-0.003	0	0
50	RAIL2	PX	-0.003	-0.003	0	0
51	RAIL1	PX	-0.001	-0.001	0	0
52	PL6	PX	-0.001	-0.001	0	0
53	PL5	PX	-0.001	-0.001	0	0
54	PL4	PX	-0.001	-0.001	0	0
55	PL3	PX	-0.001	-0.001	0	0
56	PL2	PX	-0.001	-0.001	0	0
57	PL1	PX	-0.001	-0.001	0	0
58	MP GAMMA3	PX	-0.003	-0.003	0	0
59	MP GAMMA2	PX	-0.003	-0.003	0	0
60	MP GAMMA1	PX	-0.003	-0.003	0	0
61	MP BETA3	PX	-0.003	-0.003	0	0
62	MP BETA2	PX	-0.003	-0.003	0	0
63	MP BETA1	PX	-0.003	-0.003	0	0
64	MP ALPHA3	PX	-0.003	-0.003	0	0
65	MP ALPHA2	PX	-0.003	-0.003	0	0
66	MP ALPHA1	PX	-0.003	-0.003	0	0
67	FACE3	PX	-0.003	-0.003	0	0
68	FACE2	PX	-0.003	-0.003	0	0
69	FACE1	PX	-0.002	-0.002	0	0
70	CR6	PX	-0.002	-0.002	0	0
71	CR5	PX	-0.002	-0.002	0	0
72	CR4	PX	-0.002	-0.002	0	0
73	CR3	PX	-0.002	-0.002	0	0
74	CR2	PX	-0.002	-0.002	0	0
75	CR1	PX	-0.002	-0.002	0	0
76	CPL3	PX	-0.001	-0.001	0	0
77	CPL2	PX	-0.001	-0.001	0	0
78	CPL1	PX	-0.001	-0.001	0	0
79	ANGLE6	PX	-0.002	-0.002	0	0
80	ANGLE5	PX	-0.002	-0.002	0	0
81	ANGLE4	PX	-0.002	-0.002	0	0
82	ANGLE3	PX	-0.002	-0.002	0	0
83	ANGLE2	PX	-0.002	-0.002	0	0
84	ANGLE1	PX	-0.002	-0.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]
1	SO3	PX	-0.002	-0.002	0	0
2	SO2	PX	-0.002	-0.002	0	0
3	SO1	PX	-0.002	-0.002	0	0
4	RPL3	PX	-0.003	-0.003	0	0
5	RPL2	PX	-0.003	-0.003	0	0
6	RPL1	PX	-0.003	-0.003	0	0
7	RAIL3	PX	-0.003	-0.003	0	0
8	RAIL1	PX	-0.003	-0.003	0	0
9	RAIL2	PX	-0.002	-0.002	0	0
10	PL6	PX	-0.002	-0.002	0	0
11	PL5	PX	-0.002	-0.002	0	0
12	PL4	PX	-0.002	-0.002	0	0
13	PL3	PX	-0.002	-0.002	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
14	PL2	PX	-0.002	-0.002	0	0
15	PL1	PX	-0.002	-0.002	0	0
16	MP GAMMA3	PX	-0.004	-0.004	0	0
17	MP GAMMA2	PX	-0.004	-0.004	0	0
18	MP GAMMA1	PX	-0.004	-0.004	0	0
19	MP BETA3	PX	-0.004	-0.004	0	0
20	MP BETA2	PX	-0.004	-0.004	0	0
21	MP BETA1	PX	-0.004	-0.004	0	0
22	MP ALPHA3	PX	-0.004	-0.004	0	0
23	MP ALPHA2	PX	-0.004	-0.004	0	0
24	MP ALPHA1	PX	-0.004	-0.004	0	0
25	FACE3	PX	-0.004	-0.004	0	0
26	FACE1	PX	-0.004	-0.004	0	0
27	FACE2	PX	-0.002	-0.002	0	0
28	CR6	PX	-0.003	-0.003	0	0
29	CR5	PX	-0.003	-0.003	0	0
30	CR4	PX	-0.003	-0.003	0	0
31	CR3	PX	-0.003	-0.003	0	0
32	CR2	PX	-0.003	-0.003	0	0
33	CR1	PX	-0.003	-0.003	0	0
34	CPL3	PX	-0.002	-0.002	0	0
35	CPL2	PX	-0.002	-0.002	0	0
36	CPL1	PX	-0.002	-0.002	0	0
37	ANGLE6	PX	-0.002	-0.002	0	0
38	ANGLE5	PX	-0.002	-0.002	0	0
39	ANGLE4	PX	-0.002	-0.002	0	0
40	ANGLE3	PX	-0.002	-0.002	0	0
41	ANGLE2	PX	-0.002	-0.002	0	0
42	ANGLE1	PX	-0.002	-0.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1	SO3	PY	.000982	.000982	0	0
2	SO2	PY	.000982	.000982	0	0
3	SO1	PY	.000982	.000982	0	0
4	RPL3	PY	.002	.002	0	0
5	RPL2	PY	.002	.002	0	0
6	RPL1	PY	.002	.002	0	0
7	RAIL3	PY	.002	.002	0	0
8	RAIL1	PY	.002	.002	0	0
9	RAIL2	PY	.0008	.0008	0	0
10	PL6	PY	.000832	.000832	0	0
11	PL5	PY	.000832	.000832	0	0
12	PL4	PY	.000832	.000832	0	0
13	PL3	PY	.000832	.000832	0	0
14	PL2	PY	.000832	.000832	0	0
15	PL1	PY	.000832	.000832	0	0
16	MP GAMMA3	PY	.002	.002	0	0
17	MP GAMMA2	PY	.002	.002	0	0
18	MP GAMMA1	PY	.002	.002	0	0
19	MP BETA3	PY	.002	.002	0	0
20	MP BETA2	PY	.002	.002	0	0
21	MP BETA1	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



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
25	FACE3	PY	.002	.002	0	0
26	FACE1	PY	.002	.002	0	0
27	FACE2	PY	.000879	.000879	0	0
28	CR6	PY	.001	.001	0	0
29	CR5	PY	.001	.001	0	0
30	CR4	PY	.001	.001	0	0
31	CR3	PY	.001	.001	0	0
32	CR2	PY	.001	.001	0	0
33	CR1	PY	.001	.001	0	0
34	CPL3	PY	.000806	.000806	0	0
35	CPL2	PY	.000806	.000806	0	0
36	CPL1	PY	.000806	.000806	0	0
37	ANGLE6	PY	.001	.001	0	0
38	ANGLE5	PY	.001	.001	0	0
39	ANGLE4	PY	.001	.001	0	0
40	ANGLE3	PY	.001	.001	0	0
41	ANGLE2	PY	.001	.001	0	0
42	ANGLE1	PY	.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	RPL3	PX	-.003	-.003	0	0
47	RPL2	PX	-.003	-.003	0	0
48	RPL1	PX	-.003	-.003	0	0
49	RAIL3	PX	-.003	-.003	0	0
50	RAIL1	PX	-.003	-.003	0	0
51	RAIL2	PX	-.001	-.001	0	0
52	PL6	PX	-.001	-.001	0	0
53	PL5	PX	-.001	-.001	0	0
54	PL4	PX	-.001	-.001	0	0
55	PL3	PX	-.001	-.001	0	0
56	PL2	PX	-.001	-.001	0	0
57	PL1	PX	-.001	-.001	0	0
58	MP GAMMA3	PX	-.003	-.003	0	0
59	MP GAMMA2	PX	-.003	-.003	0	0
60	MP GAMMA1	PX	-.003	-.003	0	0
61	MP BETA3	PX	-.003	-.003	0	0
62	MP BETA2	PX	-.003	-.003	0	0
63	MP BETA1	PX	-.003	-.003	0	0
64	MP ALPHA3	PX	-.003	-.003	0	0
65	MP ALPHA2	PX	-.003	-.003	0	0
66	MP ALPHA1	PX	-.003	-.003	0	0
67	FACE3	PX	-.003	-.003	0	0
68	FACE1	PX	-.003	-.003	0	0
69	FACE2	PX	-.002	-.002	0	0
70	CR6	PX	-.002	-.002	0	0
71	CR5	PX	-.002	-.002	0	0
72	CR4	PX	-.002	-.002	0	0
73	CR3	PX	-.002	-.002	0	0
74	CR2	PX	-.002	-.002	0	0
75	CR1	PX	-.002	-.002	0	0
76	CPL3	PX	-.001	-.001	0	0
77	CPL2	PX	-.001	-.001	0	0
78	CPL1	PX	-.001	-.001	0	0
79	ANGLE6	PX	-.002	-.002	0	0
80	ANGLE5	PX	-.002	-.002	0	0
81	ANGLE4	PX	-.002	-.002	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
82	ANGLE3	PX	-.002	-.002	0	0
83	ANGLE2	PX	-.002	-.002	0	0
84	ANGLE1	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1	SO3	PY	.002	.002	0	0
2	SO2	PY	.002	.002	0	0
3	SO1	PY	.002	.002	0	0
4	RPL3	PY	.003	.003	0	0
5	RPL2	PY	.003	.003	0	0
6	RPL1	PY	.003	.003	0	0
7	RAIL3	PY	.003	.003	0	0
8	RAIL1	PY	.003	.003	0	0
9	RAIL2	PY	.001	.001	0	0
10	PL6	PY	.001	.001	0	0
11	PL5	PY	.001	.001	0	0
12	PL4	PY	.001	.001	0	0
13	PL3	PY	.001	.001	0	0
14	PL2	PY	.001	.001	0	0
15	PL1	PY	.001	.001	0	0
16	MP GAMMA3	PY	.003	.003	0	0
17	MP GAMMA2	PY	.003	.003	0	0
18	MP GAMMA1	PY	.003	.003	0	0
19	MP BETA3	PY	.003	.003	0	0
20	MP BETA2	PY	.003	.003	0	0
21	MP BETA1	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	FACE3	PY	.003	.003	0	0
26	FACE1	PY	.003	.003	0	0
27	FACE2	PY	.002	.002	0	0
28	CR6	PY	.002	.002	0	0
29	CR5	PY	.002	.002	0	0
30	CR4	PY	.002	.002	0	0
31	CR3	PY	.002	.002	0	0
32	CR2	PY	.002	.002	0	0
33	CR1	PY	.002	.002	0	0
34	CPL3	PY	.001	.001	0	0
35	CPL2	PY	.001	.001	0	0
36	CPL1	PY	.001	.001	0	0
37	ANGLE6	PY	.002	.002	0	0
38	ANGLE5	PY	.002	.002	0	0
39	ANGLE4	PY	.002	.002	0	0
40	ANGLE3	PY	.002	.002	0	0
41	ANGLE2	PY	.002	.002	0	0
42	ANGLE1	PY	.002	.002	0	0
43	SO3	PX	-.000982	-.000982	0	0
44	SO2	PX	-.000982	-.000982	0	0
45	SO1	PX	-.000982	-.000982	0	0
46	RPL3	PX	-.002	-.002	0	0
47	RPL2	PX	-.002	-.002	0	0
48	RPL1	PX	-.002	-.002	0	0
49	RAIL3	PX	-.002	-.002	0	0
50	RAIL1	PX	-.002	-.002	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]
51	RAIL2	PX	-.0008	-.0008	0	0
52	PL6	PX	-.000832	-.000832	0	0
53	PL5	PX	-.000832	-.000832	0	0
54	PL4	PX	-.000832	-.000832	0	0
55	PL3	PX	-.000832	-.000832	0	0
56	PL2	PX	-.000832	-.000832	0	0
57	PL1	PX	-.000832	-.000832	0	0
58	MP GAMMA3	PX	-.002	-.002	0	0
59	MP GAMMA2	PX	-.002	-.002	0	0
60	MP GAMMA1	PX	-.002	-.002	0	0
61	MP BETA3	PX	-.002	-.002	0	0
62	MP BETA2	PX	-.002	-.002	0	0
63	MP BETA1	PX	-.002	-.002	0	0
64	MP ALPHA3	PX	-.002	-.002	0	0
65	MP ALPHA2	PX	-.002	-.002	0	0
66	MP ALPHA1	PX	-.002	-.002	0	0
67	FACE3	PX	-.002	-.002	0	0
68	FACE1	PX	-.002	-.002	0	0
69	FACE2	PX	-.000879	-.000879	0	0
70	CR6	PX	-.001	-.001	0	0
71	CR5	PX	-.001	-.001	0	0
72	CR4	PX	-.001	-.001	0	0
73	CR3	PX	-.001	-.001	0	0
74	CR2	PX	-.001	-.001	0	0
75	CR1	PX	-.001	-.001	0	0
76	CPL3	PX	-.000806	-.000806	0	0
77	CPL2	PX	-.000806	-.000806	0	0
78	CPL1	PX	-.000806	-.000806	0	0
79	ANGLE6	PX	-.001	-.001	0	0
80	ANGLE5	PX	-.001	-.001	0	0
81	ANGLE4	PX	-.001	-.001	0	0
82	ANGLE3	PX	-.001	-.001	0	0
83	ANGLE2	PX	-.001	-.001	0	0
84	ANGLE1	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]
1	SO3	PY	.002	.002	0	0
2	SO2	PY	.002	.002	0	0
3	SO1	PY	.002	.002	0	0
4	RPL3	PY	.003	.003	0	0
5	RPL2	PY	.003	.003	0	0
6	RPL1	PY	.003	.003	0	0
7	RAIL3	PY	.003	.003	0	0
8	RAIL1	PY	.003	.003	0	0
9	RAIL2	PY	.002	.002	0	0
10	PL6	PY	.002	.002	0	0
11	PL5	PY	.002	.002	0	0
12	PL4	PY	.002	.002	0	0
13	PL3	PY	.002	.002	0	0
14	PL2	PY	.002	.002	0	0
15	PL1	PY	.002	.002	0	0
16	MP GAMMA3	PY	.004	.004	0	0
17	MP GAMMA2	PY	.004	.004	0	0
18	MP GAMMA1	PY	.004	.004	0	0
19	MP BETA3	PY	.004	.004	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
20	MP BETA2	PY	.004	.004	0	0
21	MP BETA1	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	FACE3	PY	.004	.004	0	0
26	FACE1	PY	.004	.004	0	0
27	FACE2	PY	.002	.002	0	0
28	CR6	PY	.003	.003	0	0
29	CR5	PY	.003	.003	0	0
30	CR4	PY	.003	.003	0	0
31	CR3	PY	.003	.003	0	0
32	CR2	PY	.003	.003	0	0
33	CR1	PY	.003	.003	0	0
34	CPL3	PY	.002	.002	0	0
35	CPL2	PY	.002	.002	0	0
36	CPL1	PY	.002	.002	0	0
37	ANGLE6	PY	.002	.002	0	0
38	ANGLE5	PY	.002	.002	0	0
39	ANGLE4	PY	.002	.002	0	0
40	ANGLE3	PY	.002	.002	0	0
41	ANGLE2	PY	.002	.002	0	0
42	ANGLE1	PY	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1	SO3	PY	.002	.002	0	0
2	SO2	PY	.002	.002	0	0
3	SO1	PY	.002	.002	0	0
4	RPL3	PY	.003	.003	0	0
5	RPL2	PY	.003	.003	0	0
6	RPL1	PY	.003	.003	0	0
7	RAIL1	PY	.003	.003	0	0
8	RAIL2	PY	.003	.003	0	0
9	RAIL3	PY	.001	.001	0	0
10	PL6	PY	.001	.001	0	0
11	PL5	PY	.001	.001	0	0
12	PL4	PY	.001	.001	0	0
13	PL3	PY	.001	.001	0	0
14	PL2	PY	.001	.001	0	0
15	PL1	PY	.001	.001	0	0
16	MP GAMMA3	PY	.003	.003	0	0
17	MP GAMMA2	PY	.003	.003	0	0
18	MP GAMMA1	PY	.003	.003	0	0
19	MP BETA3	PY	.003	.003	0	0
20	MP BETA2	PY	.003	.003	0	0
21	MP BETA1	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	FACE1	PY	.003	.003	0	0
26	FACE2	PY	.003	.003	0	0
27	FACE3	PY	.002	.002	0	0
28	CR6	PY	.002	.002	0	0
29	CR5	PY	.002	.002	0	0
30	CR4	PY	.002	.002	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]	
31	CR3	PY	.002	.002	0	0
32	CR2	PY	.002	.002	0	0
33	CR1	PY	.002	.002	0	0
34	CPL3	PY	.001	.001	0	0
35	CPL2	PY	.001	.001	0	0
36	CPL1	PY	.001	.001	0	0
37	ANGLE6	PY	.002	.002	0	0
38	ANGLE5	PY	.002	.002	0	0
39	ANGLE4	PY	.002	.002	0	0
40	ANGLE3	PY	.002	.002	0	0
41	ANGLE2	PY	.002	.002	0	0
42	ANGLE1	PY	.002	.002	0	0
43	SO3	PX	.000982	.000982	0	0
44	SO2	PX	.000982	.000982	0	0
45	SO1	PX	.000982	.000982	0	0
46	RPL3	PX	.002	.002	0	0
47	RPL2	PX	.002	.002	0	0
48	RPL1	PX	.002	.002	0	0
49	RAIL1	PX	.002	.002	0	0
50	RAIL2	PX	.002	.002	0	0
51	RAIL3	PX	.0008	.0008	0	0
52	PL6	PX	.000832	.000832	0	0
53	PL5	PX	.000832	.000832	0	0
54	PL4	PX	.000832	.000832	0	0
55	PL3	PX	.000832	.000832	0	0
56	PL2	PX	.000832	.000832	0	0
57	PL1	PX	.000832	.000832	0	0
58	MP GAMMA3	PX	.002	.002	0	0
59	MP GAMMA2	PX	.002	.002	0	0
60	MP GAMMA1	PX	.002	.002	0	0
61	MP BETA3	PX	.002	.002	0	0
62	MP BETA2	PX	.002	.002	0	0
63	MP BETA1	PX	.002	.002	0	0
64	MP ALPHA3	PX	.002	.002	0	0
65	MP ALPHA2	PX	.002	.002	0	0
66	MP ALPHA1	PX	.002	.002	0	0
67	FACE1	PX	.002	.002	0	0
68	FACE2	PX	.002	.002	0	0
69	FACE3	PX	.000879	.000879	0	0
70	CR6	PX	.001	.001	0	0
71	CR5	PX	.001	.001	0	0
72	CR4	PX	.001	.001	0	0
73	CR3	PX	.001	.001	0	0
74	CR2	PX	.001	.001	0	0
75	CR1	PX	.001	.001	0	0
76	CPL3	PX	.000806	.000806	0	0
77	CPL2	PX	.000806	.000806	0	0
78	CPL1	PX	.000806	.000806	0	0
79	ANGLE6	PX	.001	.001	0	0
80	ANGLE5	PX	.001	.001	0	0
81	ANGLE4	PX	.001	.001	0	0
82	ANGLE3	PX	.001	.001	0	0
83	ANGLE2	PX	.001	.001	0	0
84	ANGLE1	PX	.001	.001	0	0

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
--------------	-----------	--------------------------	--------------------------	----------------------	--------------------



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
1	SO3	PY	.000982	.000982	0	0
2	SO2	PY	.000982	.000982	0	0
3	SO1	PY	.000982	.000982	0	0
4	RPL3	PY	.002	.002	0	0
5	RPL2	PY	.002	.002	0	0
6	RPL1	PY	.002	.002	0	0
7	RAIL1	PY	.002	.002	0	0
8	RAIL2	PY	.002	.002	0	0
9	RAIL3	PY	.0008	.0008	0	0
10	PL6	PY	.000832	.000832	0	0
11	PL5	PY	.000832	.000832	0	0
12	PL4	PY	.000832	.000832	0	0
13	PL3	PY	.000832	.000832	0	0
14	PL2	PY	.000832	.000832	0	0
15	PL1	PY	.000832	.000832	0	0
16	MP GAMMA3	PY	.002	.002	0	0
17	MP GAMMA2	PY	.002	.002	0	0
18	MP GAMMA1	PY	.002	.002	0	0
19	MP BETA3	PY	.002	.002	0	0
20	MP BETA2	PY	.002	.002	0	0
21	MP BETA1	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	FACE1	PY	.002	.002	0	0
26	FACE2	PY	.002	.002	0	0
27	FACE3	PY	.000879	.000879	0	0
28	CR6	PY	.001	.001	0	0
29	CR5	PY	.001	.001	0	0
30	CR4	PY	.001	.001	0	0
31	CR3	PY	.001	.001	0	0
32	CR2	PY	.001	.001	0	0
33	CR1	PY	.001	.001	0	0
34	CPL3	PY	.000806	.000806	0	0
35	CPL2	PY	.000806	.000806	0	0
36	CPL1	PY	.000806	.000806	0	0
37	ANGLE6	PY	.001	.001	0	0
38	ANGLE5	PY	.001	.001	0	0
39	ANGLE4	PY	.001	.001	0	0
40	ANGLE3	PY	.001	.001	0	0
41	ANGLE2	PY	.001	.001	0	0
42	ANGLE1	PY	.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	RPL3	PX	.003	.003	0	0
47	RPL2	PX	.003	.003	0	0
48	RPL1	PX	.003	.003	0	0
49	RAIL1	PX	.003	.003	0	0
50	RAIL2	PX	.003	.003	0	0
51	RAIL3	PX	.001	.001	0	0
52	PL6	PX	.001	.001	0	0
53	PL5	PX	.001	.001	0	0
54	PL4	PX	.001	.001	0	0
55	PL3	PX	.001	.001	0	0
56	PL2	PX	.001	.001	0	0
57	PL1	PX	.001	.001	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]	
58	MP GAMMA3	PX	.003	.003	0	0
59	MP GAMMA2	PX	.003	.003	0	0
60	MP GAMMA1	PX	.003	.003	0	0
61	MP BETA3	PX	.003	.003	0	0
62	MP BETA2	PX	.003	.003	0	0
63	MP BETA1	PX	.003	.003	0	0
64	MP ALPHA3	PX	.003	.003	0	0
65	MP ALPHA2	PX	.003	.003	0	0
66	MP ALPHA1	PX	.003	.003	0	0
67	FACE1	PX	.003	.003	0	0
68	FACE2	PX	.003	.003	0	0
69	FACE3	PX	.002	.002	0	0
70	CR6	PX	.002	.002	0	0
71	CR5	PX	.002	.002	0	0
72	CR4	PX	.002	.002	0	0
73	CR3	PX	.002	.002	0	0
74	CR2	PX	.002	.002	0	0
75	CR1	PX	.002	.002	0	0
76	CPL3	PX	.001	.001	0	0
77	CPL2	PX	.001	.001	0	0
78	CPL1	PX	.001	.001	0	0
79	ANGLE6	PX	.002	.002	0	0
80	ANGLE5	PX	.002	.002	0	0
81	ANGLE4	PX	.002	.002	0	0
82	ANGLE3	PX	.002	.002	0	0
83	ANGLE2	PX	.002	.002	0	0
84	ANGLE1	PX	.002	.002	0	0

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]	
1	SO3	PX	.002	.002	0	0
2	SO2	PX	.002	.002	0	0
3	SO1	PX	.002	.002	0	0
4	RPL3	PX	.003	.003	0	0
5	RPL2	PX	.003	.003	0	0
6	RPL1	PX	.003	.003	0	0
7	RAIL1	PX	.003	.003	0	0
8	RAIL2	PX	.003	.003	0	0
9	RAIL3	PX	.002	.002	0	0
10	PL6	PX	.002	.002	0	0
11	PL5	PX	.002	.002	0	0
12	PL4	PX	.002	.002	0	0
13	PL3	PX	.002	.002	0	0
14	PL2	PX	.002	.002	0	0
15	PL1	PX	.002	.002	0	0
16	MP GAMMA3	PX	.004	.004	0	0
17	MP GAMMA2	PX	.004	.004	0	0
18	MP GAMMA1	PX	.004	.004	0	0
19	MP BETA3	PX	.004	.004	0	0
20	MP BETA2	PX	.004	.004	0	0
21	MP BETA1	PX	.004	.004	0	0
22	MP ALPHA3	PX	.004	.004	0	0
23	MP ALPHA2	PX	.004	.004	0	0
24	MP ALPHA1	PX	.004	.004	0	0
25	FACE1	PX	.004	.004	0	0
26	FACE2	PX	.004	.004	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
27	FACE3	PX	.002	.002	0	0
28	CR6	PX	.003	.003	0	0
29	CR5	PX	.003	.003	0	0
30	CR4	PX	.003	.003	0	0
31	CR3	PX	.003	.003	0	0
32	CR2	PX	.003	.003	0	0
33	CR1	PX	.003	.003	0	0
34	CPL3	PX	.002	.002	0	0
35	CPL2	PX	.002	.002	0	0
36	CPL1	PX	.002	.002	0	0
37	ANGLE6	PX	.002	.002	0	0
38	ANGLE5	PX	.002	.002	0	0
39	ANGLE4	PX	.002	.002	0	0
40	ANGLE3	PX	.002	.002	0	0
41	ANGLE2	PX	.002	.002	0	0
42	ANGLE1	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1	SO3	PY	-0.00982	-0.00982	0	0
2	SO2	PY	-0.00982	-0.00982	0	0
3	SO1	PY	-0.00982	-0.00982	0	0
4	RPL3	PY	-.002	-.002	0	0
5	RPL2	PY	-.002	-.002	0	0
6	RPL1	PY	-.002	-.002	0	0
7	RAIL1	PY	-.002	-.002	0	0
8	RAIL2	PY	-.002	-.002	0	0
9	RAIL3	PY	-.0008	-.0008	0	0
10	PL6	PY	-0.00832	-0.00832	0	0
11	PL5	PY	-0.00832	-0.00832	0	0
12	PL4	PY	-0.00832	-0.00832	0	0
13	PL3	PY	-0.00832	-0.00832	0	0
14	PL2	PY	-0.00832	-0.00832	0	0
15	PL1	PY	-0.00832	-0.00832	0	0
16	MP GAMMA3	PY	-.002	-.002	0	0
17	MP GAMMA2	PY	-.002	-.002	0	0
18	MP GAMMA1	PY	-.002	-.002	0	0
19	MP BETA3	PY	-.002	-.002	0	0
20	MP BETA2	PY	-.002	-.002	0	0
21	MP BETA1	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	FACE1	PY	-.002	-.002	0	0
26	FACE2	PY	-.002	-.002	0	0
27	FACE3	PY	-0.00879	-0.00879	0	0
28	CR6	PY	-.001	-.001	0	0
29	CR5	PY	-.001	-.001	0	0
30	CR4	PY	-.001	-.001	0	0
31	CR3	PY	-.001	-.001	0	0
32	CR2	PY	-.001	-.001	0	0
33	CR1	PY	-.001	-.001	0	0
34	CPL3	PY	-0.00806	-0.00806	0	0
35	CPL2	PY	-0.00806	-0.00806	0	0
36	CPL1	PY	-0.00806	-0.00806	0	0
37	ANGLE6	PY	-.001	-.001	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]
38	ANGLE5	PY	-.001	-.001	0	0
39	ANGLE4	PY	-.001	-.001	0	0
40	ANGLE3	PY	-.001	-.001	0	0
41	ANGLE2	PY	-.001	-.001	0	0
42	ANGLE1	PY	-.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	RPL3	PX	.003	.003	0	0
47	RPL2	PX	.003	.003	0	0
48	RPL1	PX	.003	.003	0	0
49	RAIL1	PX	.003	.003	0	0
50	RAIL2	PX	.003	.003	0	0
51	RAIL3	PX	.001	.001	0	0
52	PL6	PX	.001	.001	0	0
53	PL5	PX	.001	.001	0	0
54	PL4	PX	.001	.001	0	0
55	PL3	PX	.001	.001	0	0
56	PL2	PX	.001	.001	0	0
57	PL1	PX	.001	.001	0	0
58	MP GAMMA3	PX	.003	.003	0	0
59	MP GAMMA2	PX	.003	.003	0	0
60	MP GAMMA1	PX	.003	.003	0	0
61	MP BETA3	PX	.003	.003	0	0
62	MP BETA2	PX	.003	.003	0	0
63	MP BETA1	PX	.003	.003	0	0
64	MP ALPHA3	PX	.003	.003	0	0
65	MP ALPHA2	PX	.003	.003	0	0
66	MP ALPHA1	PX	.003	.003	0	0
67	FACE1	PX	.003	.003	0	0
68	FACE2	PX	.003	.003	0	0
69	FACE3	PX	.002	.002	0	0
70	CR6	PX	.002	.002	0	0
71	CR5	PX	.002	.002	0	0
72	CR4	PX	.002	.002	0	0
73	CR3	PX	.002	.002	0	0
74	CR2	PX	.002	.002	0	0
75	CR1	PX	.002	.002	0	0
76	CPL3	PX	.001	.001	0	0
77	CPL2	PX	.001	.001	0	0
78	CPL1	PX	.001	.001	0	0
79	ANGLE6	PX	.002	.002	0	0
80	ANGLE5	PX	.002	.002	0	0
81	ANGLE4	PX	.002	.002	0	0
82	ANGLE3	PX	.002	.002	0	0
83	ANGLE2	PX	.002	.002	0	0
84	ANGLE1	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]
1	SO3	PY	-.002	-.002	0	0
2	SO2	PY	-.002	-.002	0	0
3	SO1	PY	-.002	-.002	0	0
4	RPL3	PY	-.003	-.003	0	0
5	RPL2	PY	-.003	-.003	0	0
6	RPL1	PY	-.003	-.003	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]	
7	RAIL3	PY	-0.003	-0.003	0	0
8	RAIL2	PY	-0.003	-0.003	0	0
9	RAIL1	PY	-0.001	-0.001	0	0
10	PL6	PY	-0.001	-0.001	0	0
11	PL5	PY	-0.001	-0.001	0	0
12	PL4	PY	-0.001	-0.001	0	0
13	PL3	PY	-0.001	-0.001	0	0
14	PL2	PY	-0.001	-0.001	0	0
15	PL1	PY	-0.001	-0.001	0	0
16	MP GAMMA3	PY	-0.003	-0.003	0	0
17	MP GAMMA2	PY	-0.003	-0.003	0	0
18	MP GAMMA1	PY	-0.003	-0.003	0	0
19	MP BETA3	PY	-0.003	-0.003	0	0
20	MP BETA2	PY	-0.003	-0.003	0	0
21	MP BETA1	PY	-0.003	-0.003	0	0
22	MP ALPHA3	PY	-0.003	-0.003	0	0
23	MP ALPHA2	PY	-0.003	-0.003	0	0
24	MP ALPHA1	PY	-0.003	-0.003	0	0
25	FACE3	PY	-0.003	-0.003	0	0
26	FACE2	PY	-0.003	-0.003	0	0
27	FACE1	PY	-0.002	-0.002	0	0
28	CR6	PY	-0.002	-0.002	0	0
29	CR5	PY	-0.002	-0.002	0	0
30	CR4	PY	-0.002	-0.002	0	0
31	CR3	PY	-0.002	-0.002	0	0
32	CR2	PY	-0.002	-0.002	0	0
33	CR1	PY	-0.002	-0.002	0	0
34	CPL3	PY	-0.001	-0.001	0	0
35	CPL2	PY	-0.001	-0.001	0	0
36	CPL1	PY	-0.001	-0.001	0	0
37	ANGLE6	PY	-0.002	-0.002	0	0
38	ANGLE5	PY	-0.002	-0.002	0	0
39	ANGLE4	PY	-0.002	-0.002	0	0
40	ANGLE3	PY	-0.002	-0.002	0	0
41	ANGLE2	PY	-0.002	-0.002	0	0
42	ANGLE1	PY	-0.002	-0.002	0	0
43	SO3	PX	.000982	.000982	0	0
44	SO2	PX	.000982	.000982	0	0
45	SO1	PX	.000982	.000982	0	0
46	RPL3	PX	.002	.002	0	0
47	RPL2	PX	.002	.002	0	0
48	RPL1	PX	.002	.002	0	0
49	RAIL3	PX	.002	.002	0	0
50	RAIL2	PX	.002	.002	0	0
51	RAIL1	PX	.0008	.0008	0	0
52	PL6	PX	.000832	.000832	0	0
53	PL5	PX	.000832	.000832	0	0
54	PL4	PX	.000832	.000832	0	0
55	PL3	PX	.000832	.000832	0	0
56	PL2	PX	.000832	.000832	0	0
57	PL1	PX	.000832	.000832	0	0
58	MP GAMMA3	PX	.002	.002	0	0
59	MP GAMMA2	PX	.002	.002	0	0
60	MP GAMMA1	PX	.002	.002	0	0
61	MP BETA3	PX	.002	.002	0	0
62	MP BETA2	PX	.002	.002	0	0
63	MP BETA1	PX	.002	.002	0	0



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
64	MP ALPHA3	PX	.002	.002	0	0
65	MP ALPHA2	PX	.002	.002	0	0
66	MP ALPHA1	PX	.002	.002	0	0
67	FACE3	PX	.002	.002	0	0
68	FACE2	PX	.002	.002	0	0
69	FACE1	PX	.000879	.000879	0	0
70	CR6	PX	.001	.001	0	0
71	CR5	PX	.001	.001	0	0
72	CR4	PX	.001	.001	0	0
73	CR3	PX	.001	.001	0	0
74	CR2	PX	.001	.001	0	0
75	CR1	PX	.001	.001	0	0
76	CPL3	PX	.000806	.000806	0	0
77	CPL2	PX	.000806	.000806	0	0
78	CPL1	PX	.000806	.000806	0	0
79	ANGLE6	PX	.001	.001	0	0
80	ANGLE5	PX	.001	.001	0	0
81	ANGLE4	PX	.001	.001	0	0
82	ANGLE3	PX	.001	.001	0	0
83	ANGLE2	PX	.001	.001	0	0
84	ANGLE1	PX	.001	.001	0	0

Member Distributed Loads (BLC 43 : BLC 3 Transient Area Loads)

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1	SO1	Z	-.018	-.018	0	1.966
2	ANGLE4	Z	-.009	-.009	.319	2.275
3	ANGLE1	Z	-.009	-.009	.319	2.275
4	SO3	Z	-.018	-.018	0	1.966
5	ANGLE6	Z	-.009	-.009	.319	2.275
6	ANGLE5	Z	-.009	-.009	.319	2.275
7	SO2	Z	-.018	-.018	0	1.966
8	ANGLE3	Z	-.009	-.009	.319	2.275
9	ANGLE2	Z	-.009	-.009	.319	2.275

Member Distributed Loads (BLC 44 : BLC 27 Transient Area Loads)

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft, %]	End Location[ft, %]
1	SO1	Z	-.036	-.036	0	1.966
2	ANGLE4	Z	-.018	-.018	.319	2.275
3	ANGLE1	Z	-.018	-.018	.319	2.275
4	SO3	Z	-.036	-.036	0	1.966
5	ANGLE6	Z	-.018	-.018	.319	2.275
6	ANGLE5	Z	-.018	-.018	.319	2.275
7	SO2	Z	-.036	-.036	0	1.966
8	ANGLE3	Z	-.018	-.018	.319	2.275
9	ANGLE2	Z	-.018	-.018	.319	2.275

Member Area Loads (BLC 3 : Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	P20	P23	P22	P21	Z	Two Way	-.01
2	P33	P32	P31	P34	Z	Two Way	-.01
3	P9	P10	P11	P12	Z	Two Way	-.01

Member Area Loads (BLC 27 : Ice Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
--	---------	---------	---------	---------	-----------	--------------	----------------



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	P20	P23	P22	P21	Z	Two Way	-.02
2	P33	P32	P31	P34	Z	Two Way	-.02
3	P9	P10	P11	P12	Z	Two Way	-.02

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	P24	max	1.224	11	.41	2	2.306	21	5.436	21	.192	11	1.682	29
2		min	-1.226	29	-.412	20	.407	2	.672	2	-.509	30	-1.76	11
3	P13	max	.604	5	1.188	5	2.403	33	-.423	17	-.647	14	1.855	5
4		min	-.602	23	-1.185	20	.449	14	-3.303	36	-4.699	33	-1.865	23
5	P1	max	.764	14	1.001	35	2.088	9	-.045	23	4.277	9	1.591	17
6		min	-.776	32	-1.026	17	.323	26	-2.529	7	.394	26	-1.59	35
7	Totals:	max	2.311	11	2.4	2	6.384	18						
8		min	-2.311	29	-2.431	20	2.627	35						

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					13	42	
3	Dead Load	DL			-1.1		13		3
4	Wind Load (30)	DL					26	84	
5	Wind Load (60)	DL					26	84	
6	Wind Load (90)	DL					13	42	
7	Wind Load (120)	DL					26	84	
8	Wind Load (150)	DL					26	84	
9	Wind Load (180)	DL					13	42	
10	Wind Load (210)	DL					26	84	
11	Wind Load (240)	DL					26	84	
12	Wind Load (270)	DL					13	42	
13	Wind Load (300)	DL					26	84	
14	Wind Load (330)	DL					26	84	
15	Maintenance (0)	DL					13	42	
16	Maintenance (30)	DL					26	84	
17	Maintenance (60)	DL					26	84	
18	Maintenance (90)	DL					13	42	
19	Maintenance (120)	DL					26	84	
20	Maintenance (150)	DL					26	84	
21	Maintenance (180)	DL					13	42	
22	Maintenance (210)	DL					26	84	
23	Maintenance (240)	DL					26	84	
24	Maintenance (270)	DL					13	42	
25	Maintenance (300)	DL					26	84	
26	Maintenance (330)	DL					26	84	
27	Ice Dead Load	DL					13	42	3
28	Ice Wind Load (0)	DL					13	42	
29	Ice Wind Load (30)	DL					26	84	
30	Ice Wind Load (60)	DL					26	84	
31	Ice Wind Load (90)	DL					13	42	
32	Ice Wind Load (120)	DL					26	84	
33	Ice Wind Load (150)	DL					26	84	
34	Ice Wind Load (180)	DL					13	42	
35	Ice Wind Load (210)	DL					26	84	
36	Ice Wind Load (240)	DL					26	84	
37	Ice Wind Load (270)	DL					13	42	



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
38	Ice Wind Load (300)	DL					26	84	
39	Ice Wind Load (330)	DL					26	84	
40	Earthquake (x-directio...	DL	-.104				13		
41	Earthquake (y-directio...	DL		-.104			13		
42	Earthquake (z-directio...	DL			-.042		13		
43	BLC 3 Transient Area...	None						9	
44	BLC 27 Transient Are...	None						9	

Load Combinations

	Description	Sol.	PD	SR	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.
1	1.4D	Yes	Y		3	1.4								
2	1.2D + 1.0...	Yes	Y		3	1.2	2	1						
3	1.2D + 1.0...	Yes	Y		3	1.2	27	1	28	1				
4	1.2D + 1.5L...	Yes	Y		3	1.2	1	1.5	15	1				
5	1.2D + 1.0...	Yes	Y		3	1.2	4	1						
6	1.2D + 1.0...	Yes	Y		3	1.2	27	1	29	1				
7	1.2D + 1.5L...	Yes	Y		3	1.2	1	1.5	16	1				
8	1.2D + 1.0...	Yes	Y		3	1.2	5	1						
9	1.2D + 1.0...	Yes	Y		3	1.2	27	1	30	1				
10	1.2D + 1.5L...	Yes	Y		3	1.2	1	1.5	17	1				
11	1.2D + 1.0...	Yes	Y		3	1.2	6	1						
12	1.2D + 1.0...	Yes	Y		3	1.2	27	1	31	1				
13	1.2D + 1.5L...	Yes	Y		3	1.2	1	1.5	18	1				
14	1.2D + 1.0...	Yes	Y		3	1.2	7	1						
15	1.2D + 1.0...	Yes	Y		3	1.2	27	1	32	1				
16	1.2D + 1.5L...	Yes	Y		3	1.2	1	1.5	19	1				
17	1.2D + 1.0...	Yes	Y		3	1.2	8	1						
18	1.2D + 1.0...	Yes	Y		3	1.2	27	1	33	1				
19	1.2D + 1.5L...	Yes	Y		3	1.2	1	1.5	20	1				
20	1.2D + 1.0...	Yes	Y		3	1.2	9	1						
21	1.2D + 1.0...	Yes	Y		3	1.2	27	1	34	1				
22	1.2D + 1.5L...	Yes	Y		3	1.2	1	1.5	21	1				
23	1.2D + 1.0...	Yes	Y		3	1.2	10	1						
24	1.2D + 1.0...	Yes	Y		3	1.2	27	1	35	1				
25	1.2D + 1.5L...	Yes	Y		3	1.2	1	1.5	22	1				
26	1.2D + 1.0...	Yes	Y		3	1.2	11	1						
27	1.2D + 1.0...	Yes	Y		3	1.2	27	1	36	1				
28	1.2D + 1.5L...	Yes	Y		3	1.2	1	1.5	23	1				
29	1.2D + 1.0...	Yes	Y		3	1.2	12	1						
30	1.2D + 1.0...	Yes	Y		3	1.2	27	1	37	1				
31	1.2D + 1.5L...	Yes	Y		3	1.2	1	1.5	24	1				
32	1.2D + 1.0...	Yes	Y		3	1.2	13	1						
33	1.2D + 1.0...	Yes	Y		3	1.2	27	1	38	1				
34	1.2D + 1.5L...	Yes	Y		3	1.2	1	1.5	25	1				
35	1.2D + 1.0...	Yes	Y		3	1.2	14	1						
36	1.2D + 1.0...	Yes	Y		3	1.2	27	1	39	1				
37	1.2D + 1.5L...	Yes	Y		3	1.2	1	1.5	26	1				
38	1.2D + 1.0...	Yes	Y		3	1.2	40	1	42	1	1	1		
39	1.2D + 1.0...	Yes	Y		3	1.2	41	1	42	1	1	1		
40	1.2D - 1.0E...	Yes	Y		3	1.2	40	-1	42	1	1	1		
41	1.2D - 1.0E...	Yes	Y		3	1.2	41	-1	42	1	1	1		



Company : POD
 Designer : IM
 Job Number : 21-108455
 Model Name : 876392

Sept 13, 2021
 9:41 AM
 Checked By: _____

Envelope AISC 14th(360-10): LRFD Steel Code Checks

Member	Shape	Code Che...	Loc[ft]	LC	Shear C...	Loc[ft]	Dir	LC	phi*Pnc [k]	phi*P...	phi*M...	phi*M...	Cb	Eqn
1	PL6	PL 2.37...	.177	.125	2	.229	0	y	30	38.257	38.475	.401	1.904	2.... H1-1b
2	PL2	PL 2.37...	.166	.125	14	.210	0	y	6	38.257	38.475	.401	1.904	2.... H1-1b
3	PL4	PL 2.37...	.179	.125	26	.210	0	y	18	38.257	38.475	.401	1.904	2.... H1-1b
4	PL5	PL 2.37...	.148	.125	35	.200	0	y	24	38.257	38.475	.401	1.904	2.... H1-1b
5	PL1	PL 2.37...	.146	.125	11	.193	0	y	36	38.257	38.475	.401	1.904	2.... H1-1b
6	PL3	PL 2.37...	.153	.125	23	.186	0	y	12	38.257	38.475	.401	1.904	2.... H1-1b
7	RAIL1	PIPE_2.5	.098	7.5	20	.136	7.667		23	33.487	66.654	4.727	4.727	3.... H1-1b
8	RAIL2	PIPE_2.5	.084	.5	23	.122	7.667		32	33.487	66.654	4.727	4.727	1.... H1-1b
9	RAIL3	PIPE_2.5	.073	.5	20	.112	.5		23	33.487	66.654	4.727	4.727	1.79 H1-1b
10	CPL1	PL6.5x0...	.200	1.75	33	.097	3.026	y	21	3.658	78.975	.617	8.084	1.... H1-1b
11	CPL2	PL6.5x0...	.167	1.75	8	.087	3.026	y	33	3.658	78.975	.617	7.825	1.... H1-1b
12	CPL3	PL6.5x0...	.201	1.75	21	.077	1.75	y	24	3.658	78.975	.617	7.978	1.... H1-1b
13	SO1	HSS4X...	.271	3.333	3	.075	3.333	y	3	188.25	197.8...	22.046	22.046	1.... H1-1b
14	SO3	HSS4X...	.259	3.333	15	.070	3.333	y	27	188.25	197.8...	22.046	22.046	1.... H1-1b
15	SO2	HSS4X...	.223	3.333	15	.063	3.333	y	15	188.25	197.8...	22.046	22.046	2.01 H1-1b
16	MP BETA2	PIPE_2.5	.106	2.167	23	.045	2.167		23	33.487	66.654	4.727	4.727	4.... H1-1b
17	FACE1	Pipe3.5...	.087	2.583	14	.044	7.5		33	45.873	71.581	6.338	6.338	1.... H1-1b
18	MP GAMMA3	PIPE_2.5	.109	5.75	20	.043	2.167		20	33.487	66.654	4.727	4.727	2.42 H1-1b
19	FACE2	Pipe3.5...	.092	2.583	26	.041	4		26	45.873	71.581	6.338	6.338	1.... H1-1b
20	FACE3	Pipe3.5...	.096	2.583	2	.039	4		2	45.873	71.581	6.338	6.338	1.... H1-1b
21	MP ALPHA2	PIPE_2.5	.092	2.167	11	.038	2.167		11	33.487	66.654	4.727	4.727	4.... H1-1b
22	MP GAMMA2	PIPE_2.5	.111	2.167	35	.038	2.167		35	33.487	66.654	4.727	4.727	2.... H1-1b
23	CR1	C3.38x2...	.237	0	15	.037	0	y	9	47.76	56.7	2.203	5.752	1.68 H1-1b
24	CR6	C3.38x2...	.247	0	3	.035	0	y	33	47.76	56.7	2.203	5.752	1.... H1-1b
25	MP BETA3	PIPE_2.5	.088	5.75	8	.035	2.167		26	33.487	66.654	4.727	4.727	3.... H1-1b
26	CR3	C3.38x2...	.237	0	27	.034	0	y	21	47.76	56.7	2.203	5.752	1.... H1-1b
27	CR2	C3.38x2...	.279	0	33	.033	0	y	33	47.76	56.7	2.203	5.752	1.... H1-1b
28	MP GAMMA1	PIPE_2.5	.085	2.167	35	.031	2.167		29	33.487	66.654	4.727	4.727	2.... H1-1b
29	MP ALPHA1	PIPE_2.5	.102	2.167	8	.031	2.167		20	33.487	66.654	4.727	4.727	3.... H1-1b
30	MP ALPHA3	PIPE_2.5	.109	5.75	32	.031	2.167		32	33.487	66.654	4.727	4.727	4.... H1-1b
31	CR4	C3.38x2...	.259	0	9	.031	0	y	9	47.76	56.7	2.203	5.752	1.... H1-1b
32	CR5	C3.38x2...	.275	0	21	.030	0	y	21	47.76	56.7	2.203	5.752	1.... H1-1b
33	ANGLE4	L2x2x4	.129	0	32	.027	2.275	y	36	23.539	30.586	.691	1.577	2.... H2-1
34	ANGLE2	L2x2x4	.142	0	8	.026	2.275	y	12	23.539	30.586	.691	1.577	2.14 H2-1
35	ANGLE6	L2x2x4	.163	0	20	.025	2.275	y	27	23.539	30.586	.691	1.577	2.... H2-1
36	MP BETA1	PIPE_2.5	.089	2.167	20	.024	2.167		32	33.487	66.654	4.727	4.727	3.... H1-1b
37	ANGLE1	L2x2x4	.202	0	17	.019	0	y	17	23.539	30.586	.691	1.577	2.... H2-1
38	ANGLE3	L2x2x4	.187	0	29	.019	0	z	33	23.539	30.586	.691	1.577	2.... H2-1
39	ANGLE5	L2x2x4	.183	0	5	.018	0	y	5	23.539	30.586	.691	1.577	2.... H2-1
40	RPL2	L6.6x4....	.201	3.5	32	.016	3.5	y	35	50.616	87.561	2.465	7.125	2.... H2-1
41	RPL1	L6.6x4....	.187	3.5	20	.014	3.5	y	23	50.616	87.561	2.465	7.125	2.... H2-1
42	RPL3	L6.6x4....	.179	3.5	8	.014	3.5	z	26	50.616	87.561	2.465	7.125	2.... H2-1

APPENDIX D
Additional Calculations

POD Job # 21-108455
Site Number 876392
Site Name NEW HARTFORD /EXECUTIVE GREET

Calculations Based on TIA-222-H

Reactions from RISA-3D

Moment 5.436 ft-kip
 Axial 1.226 kips
 Shear 2.306 kips

Capacities

Bolts	6.1%
Flange Plate	37.6%

Bolt Information

Grade A325
 Threads in Shear Plane Included
 Diameter 0.625 in.
 Bolt Spacing 7 in.
 Number of Rods 4

Flange Plate Information

Width 9 in.
 Thickness 0.625 in.
 Grade A572-50

Standoff Information

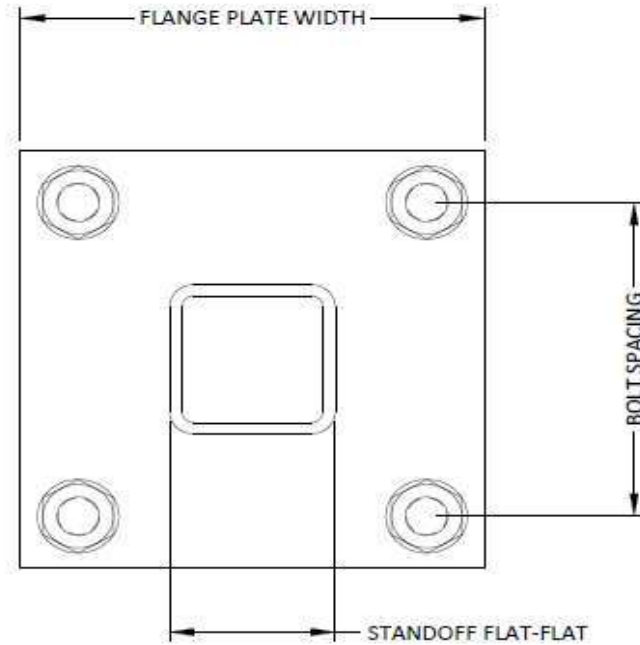
Standoff Member HSS
 Flat-Flat 4 in.
 Thickness 0.375 in.

Bolt Calculations

ϕ 0.75
 A_{nt} 0.226 in²
 A_b 0.307 in²
 F_u 120 ksi
 ϕR_{nv} 13.81 kips
 ϕR_{nt} 20.34 kips
 V 0.58 kips
 F 4.96 kips
 Capacity 6.1%

Flange Plate Calculations

ϕ 0.9
 F_y 50 ksi
 t_{min} 0.24 in
 Z 0.9 in³
 ϕM_n 39.6 in-kip
 M_u 14.9 in-kip
 Capacity 37.6%



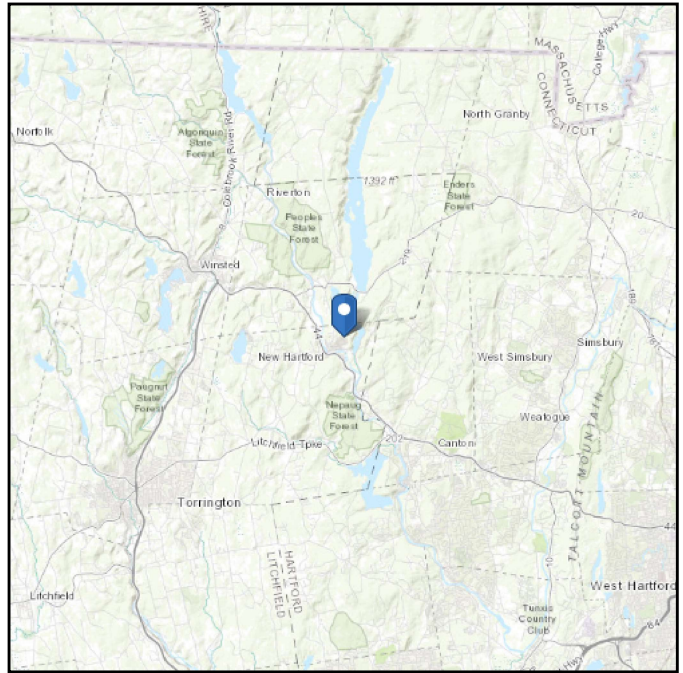
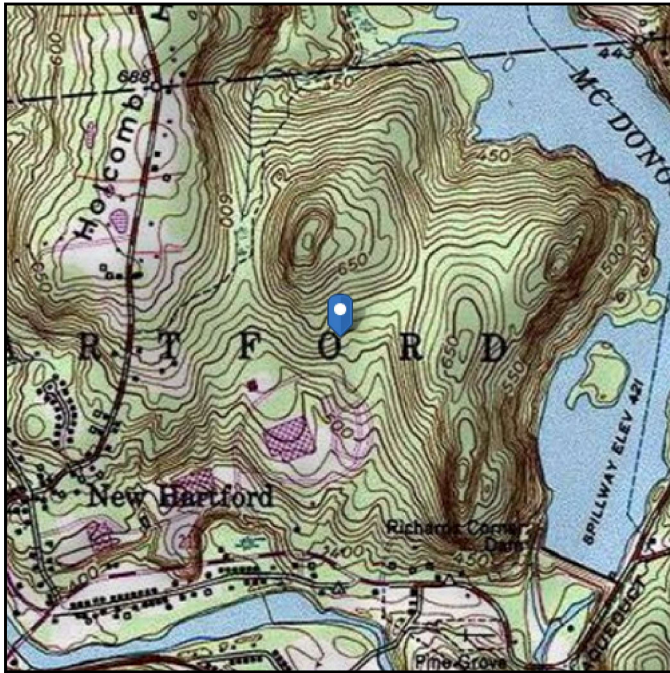
APPENDIX E
Design Criteria

ASCE 7 Hazards Report

Address:
No Address at This
Location

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

Elevation: 566.99 ft (NAVD 88)
Latitude: 41.886244
Longitude: -72.966139



Wind

Results:

Wind Speed:	118 Vmph
10-year MRI	76 Vmph
25-year MRI	85 Vmph
50-year MRI	90 Vmph
100-year MRI	97 Vmph

Data Sourced: **ASCE/SEI 2010**, Fig. 26.5-1A and Figs. CC-1–CC-4, and Section 26.5.2, incorporating errata of March 12, 2014

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

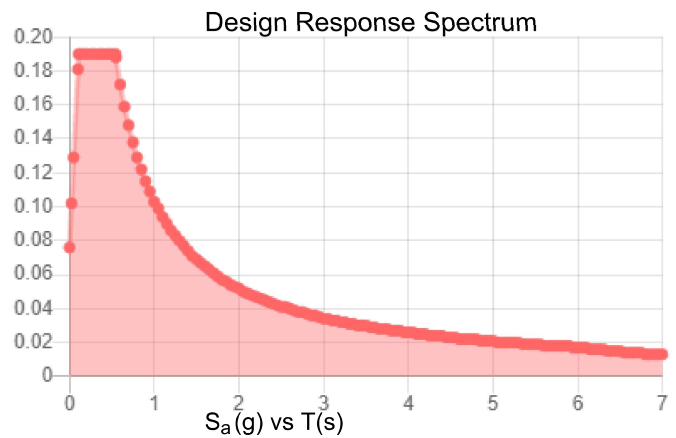
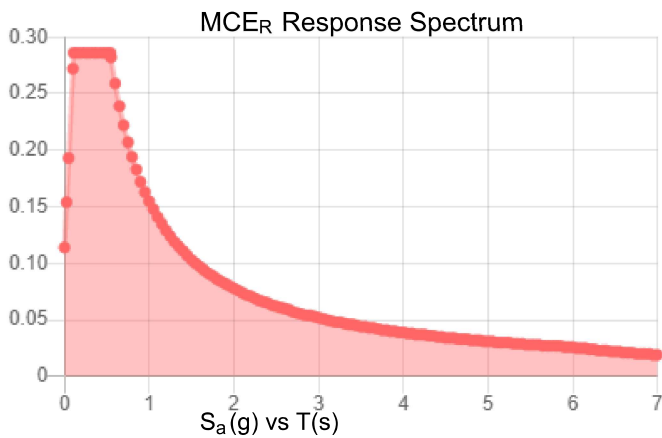
Site is in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class: D - Stiff Soil

Results:

S_s :	0.178	S_{DS} :	0.19
S_1 :	0.065	S_{D1} :	0.103
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.089
S_{MS} :	0.286	PGA _M :	0.142
S_{M1} :	0.155	F _{PGA} :	1.6
		I_e :	1

Seismic Design Category B



Data Accessed:

Fri Sep 10 2021

Date Source:

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

Ice

Results:

Ice Thickness: 1.50 in.
Concurrent Temperature: 5 F
Gust Speed: 50 mph

Data Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

Date Accessed: Fri Sep 10 2021

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

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-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.

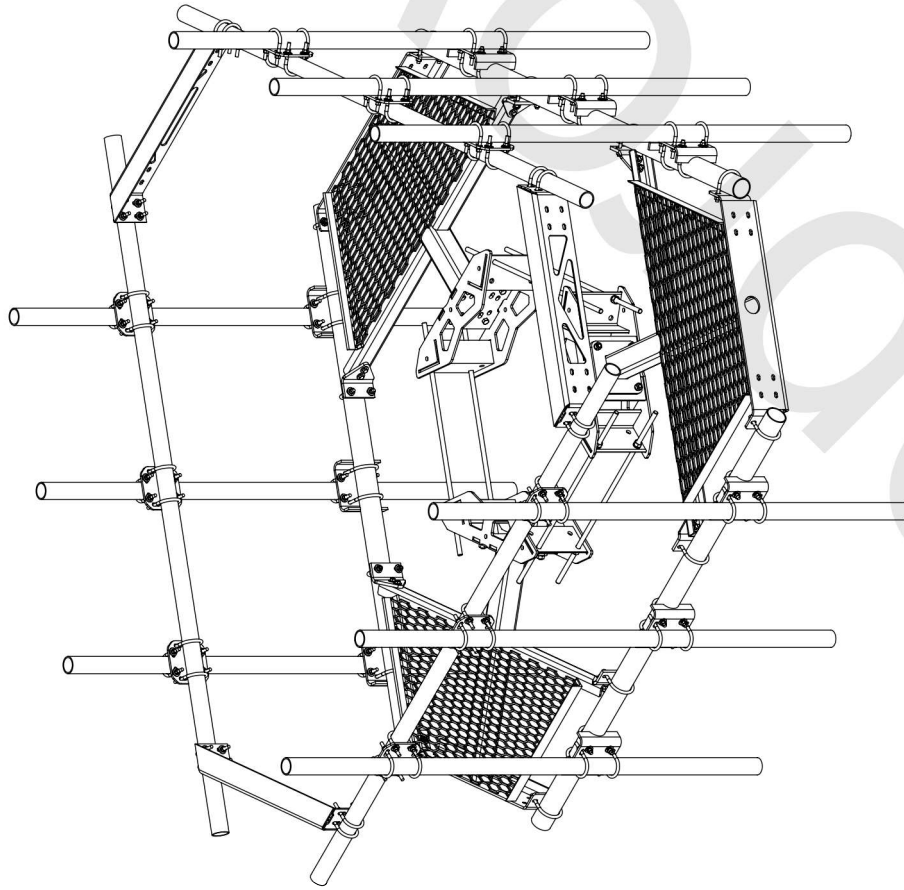
ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting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

APPENDIX F
Mount Specification Sheets

NOTES:

- 1.0 GENERAL
 - 1.1 ALL METRIC DIMENSIONS ARE IN BRACKETS
 - 1.2 FOR PATENTS, SEE WWW.CS-PAT.COM
- 2.0 DESIGN NOTES
 - 2.1 TORQUE U-BOLTS TO 44 FT-LBS
- 3.0 MANUFACTURING/SPECIAL REQUIREMENTS
- 4.0 TEST
- 5.0 PACKAGING



REV.	ECN	DESCRIPTION	BY	DATE
A	10272PC	INITIAL RELEASE	HDAI	03/09/2021

PATENT PENDING

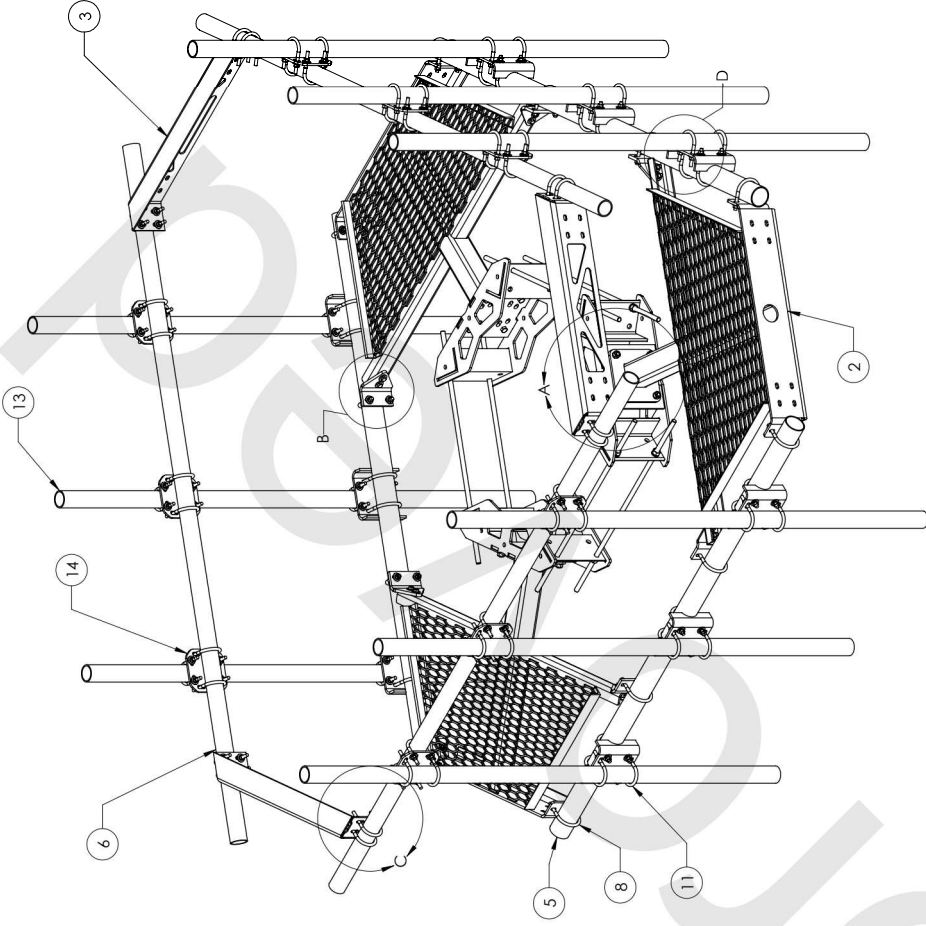
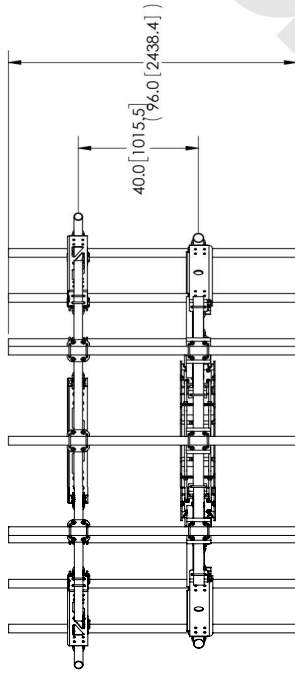
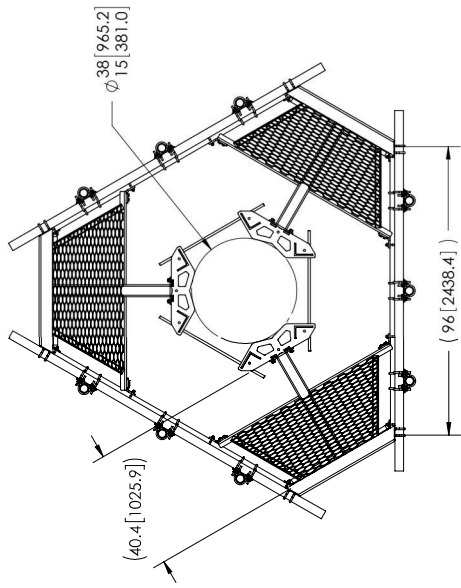
COMMScope, INC. OF NORTH CAROLINA

TOLERANCES	SAP MATERIAL MASTER
1 PLACE .X ± .25	MC-PK8-DSH
3 PLACE .XXX ± 0.06	
ANGLES ± 2°	

FINISH	MATERIAL
GALV A123	A500, A1011/A1018

NAME		DATE	TITLE
CE MRC	02/17/20		
RW ROGHANSON	03/16/2021		
AD BCROSS	03/17/2021		
RE FA1024	02/27/2020		
ECN 10272PC			
Aut# Group	INSL	VERSION	MODEL
		01	
SIZE	STATUS	REVISION	DRAWING
C	AD	00	AD
HEIGHT	LENGTH	WIDTH	
96"	46"	29"	
DENSITY	MASS	VOLUME	SURFACE AREA
lbs/in ³	lbs	in ³	in ²
SCALE DOCUMENT NO. 1:32 MC-PK8-DSH			
SHEET 1 OF 3			

NOTES:



ITEM	PART NO.	DESCRIPTION	QTY.
1	MC-RM1550-3	12" - 50" OD RINGMOUNT	1
2	MITC300602	SECTOR WELDMENT FOR SNUB NOSE PLATFORM	3
3	MIT195801	Corner Weldment Snub Nose Handrail	3
4	GB-0520A	5/8" X 2" GALV. BOLT KIT (A325)	12
5	MIT54796	3.50" OD X 96" GALV PIPE	3
6	MIT546120	2.875" O.D. X 120" PIPE	12
7	GW-04	1/2" GALV FLAT WASHER	12
8	GLB-4355	1/2" X 3-5/8" X 5" GALV U-BOLT	12
9	MITC300618	MOUNTING PLATE FOR MIT-196	6
10	GB-04205	1/2" X 2" GALV BOLT KIT	12
11	MIT-219M-H	3.5" OD X 2-7/8" OD Clamp Bracket Assembly	9
12	GLB-4352	1/2" X 3" X 5-1/4" GALV U-BOLT	12
13	MIT54496	$\phi 2.875$ " O.D. X 96 PIPE	9
14	XP-2525	CROSSOVER PLATE KIT, 2-7/8 OD X 2-7/8 OD	9

COMMSCOPE, INC. OF NORTH CAROLINA

LOW PROFILE PLATFORM FACE

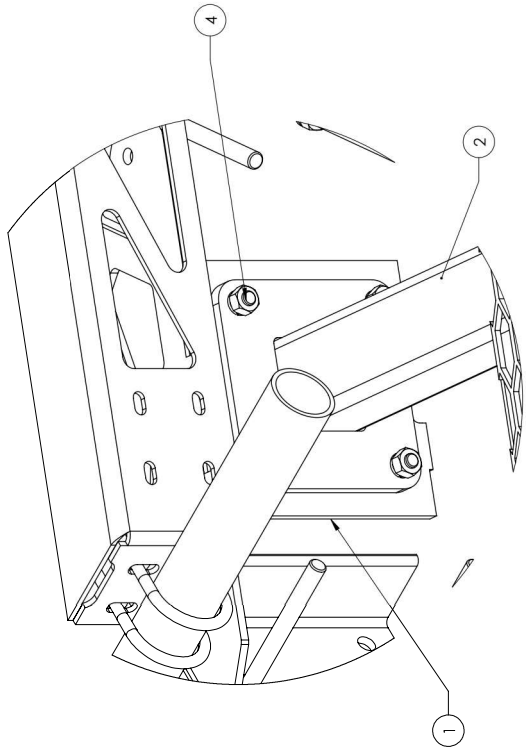
SCALE
C 1:32

DOCUMENT NO.
MC-PK8-DSH

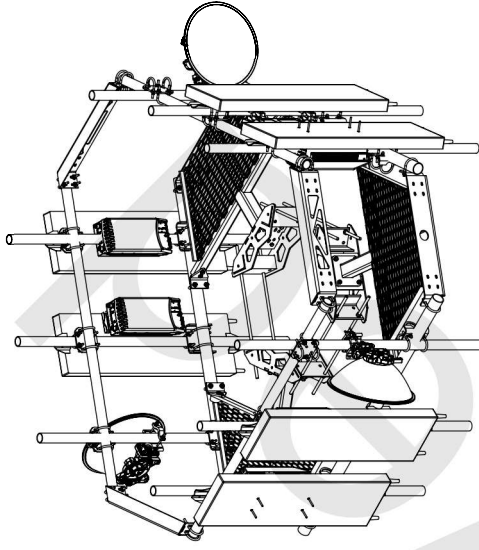
DRAWING STATUS	AD	A
	00	
REVISION		
SHEET		

© 2021 CommScope, Inc.

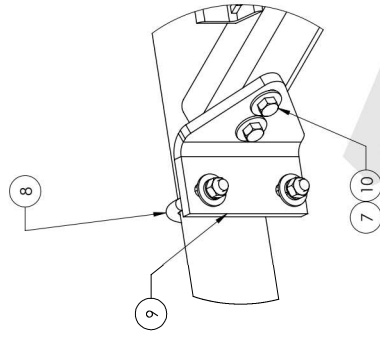
NOTES:



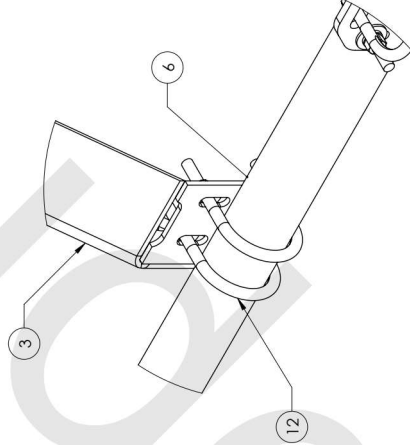
DETAIL A
SCALE 1 : 4



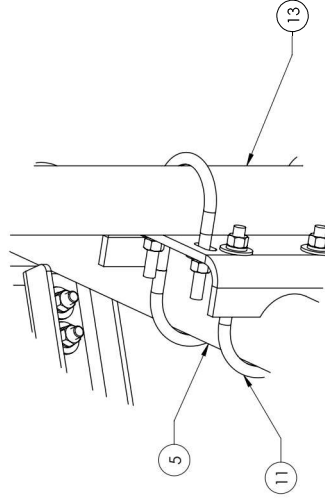
WITH ANTENNAS



DETAIL B
SCALE 1 : 4



DETAIL C
SCALE 1 : 4



DETAIL D
SCALE 1 : 4

COMMSCOPE, INC. OF NORTH CAROLINA

TITLE

LOW PROFILE PLATFORM FACE

SIZE
SCALE
C
1:24

DOCUMENT NO.
MC-PK8-DSH

DRAWING	
VERSION	STATUS
00	AD

SHEET	
REVISION	A
3 OF 3	

© 2021 CommScope, Inc.

Exhibit F

Power Density/RF Emissions Report

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

Dish Wireless Existing Facility

Site ID: BOHVN00170A

876392

115 Industrial Park Road
New Hartford, Connecticut 06057

November 19, 2021

EBI Project Number: 6221007203

Site Compliance Summary	
Compliance Status:	COMPLIANT
Site total MPE% of FCC general population allowable limit:	11.98%

November 19, 2021

Dish Wireless

Emissions Analysis for Site: BOHVN00170A - 876392

EBI Consulting was directed to analyze the proposed Dish Wireless facility located at **115 Industrial Park Road in New Hartford, Connecticut** for the purpose of determining whether the emissions from the Proposed Dish Wireless 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 Dish Wireless antenna facility located at 115 Industrial Park Road in New Hartford, Connecticut using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since Dish Wireless 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 20 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) 4 n71 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) 4 n70 channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.
- 3) 4 n66 channels (AWS Band - 2190 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.
- 4) 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.
- 5) 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 20 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.

- 6) The antennas used in this modeling are the JMA MX08FRO665-20 for the 600 MHz / 1900 MHz / 2190 MHz channel(s) in Sector A, the JMA MX08FRO665-20 for the 600 MHz / 1900 MHz / 2190 MHz channel(s) in Sector B, the JMA MX08FRO665-20 for the 600 MHz / 1900 MHz / 2190 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 supplied specifications, minus 20 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.
- 7) The antenna mounting height centerline of the proposed antennas is 130 feet above ground level (AGL).
- 8) 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.
- 9) All calculations were done with respect to uncontrolled / general population threshold limits.

Dish Wireless Site Inventory and Power Data

Sector:	A	Sector:	B	Sector:	C
Antenna #:	1	Antenna #:	1	Antenna #:	1
Make / Model:	JMA MX08FRO665-20	Make / Model:	JMA MX08FRO665-20	Make / Model:	JMA MX08FRO665-20
Frequency Bands:	600 MHz / 1900 MHz / 2190 MHz	Frequency Bands:	600 MHz / 1900 MHz / 2190 MHz	Frequency Bands:	600 MHz / 1900 MHz / 2190 MHz
Gain:	17.45 dBd / 22.65 dBd / 22.65 dBd	Gain:	17.45 dBd / 22.65 dBd / 22.65 dBd	Gain:	17.45 dBd / 22.65 dBd / 22.65 dBd
Height (AGL):	130 feet	Height (AGL):	130 feet	Height (AGL):	130 feet
Channel Count:	12	Channel Count:	12	Channel Count:	12
Total TX Power (W):	440 Watts	Total TX Power (W):	440 Watts	Total TX Power (W):	440 Watts
ERP (W):	5,236.31	ERP (W):	5,236.31	ERP (W):	5,236.31
Antenna AI MPE %:	1.54%	Antenna BI MPE %:	1.54%	Antenna CI MPE %:	1.54%

Site Composite MPE %	
Carrier	MPE %
Dish Wireless (Max at Sector A):	1.54%
Sprint	2.33%
T-Mobile	1.56%
Metro PCS	0.61%
Verizon	1.65%
AT&T	4.29%
Site Total MPE % :	11.98%

Dish Wireless MPE % Per Sector	
Dish Wireless Sector A Total:	1.54%
Dish Wireless Sector B Total:	1.54%
Dish Wireless Sector C Total:	1.54%
Site Total MPE % :	11.98%

Dish Wireless Maximum MPE Power Values (Sector A)							
Dish Wireless 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
Dish Wireless 600 MHz n71	4	223.68	130.0	2.09	600 MHz n71	400	0.52%
Dish Wireless 1900 MHz n70	4	542.70	130.0	5.08	1900 MHz n70	1000	0.51%
Dish Wireless 2190 MHz n66	4	542.70	130.0	5.08	2190 MHz n66	1000	0.51%
						Total:	1.54%

• 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 Dish Wireless 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:

Dish Wireless Sector	Power Density Value (%)
Sector A:	1.54%
Sector B:	1.54%
Sector C:	1.54%
Dish Wireless Maximum MPE % (Sector A):	1.54%
Site Total:	11.98%
Site Compliance Status:	COMPLIANT

The anticipated composite MPE value for this site assuming all carriers present is **11.98%** 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.

Exhibit G

Letter of Authorization



4545 E River Rd, Suite 320
West Henrietta, NY 14586

Phone: (585) 445-5896
Fax: (724) 416-4461
www.crowncastle.com

Crown Castle Letter of Authorization

CT - CONNECTICUT SITING COUNCIL

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

Re: Tower Share Application
Crown Castle telecommunications site at:
115 INDUSTRIAL PARK RD, NEW HARTFORD, CT 06057

GLOBAL SIGNAL ACQUISITIONS II LLC ("Crown Castle") hereby authorizes DISH Wireless LLC, including their Agent, to act as our Agent in the processing of all zoning applications, building permits and approvals through the CT - CONNECTICUT SITING COUNCIL for the existing wireless communications site described below:

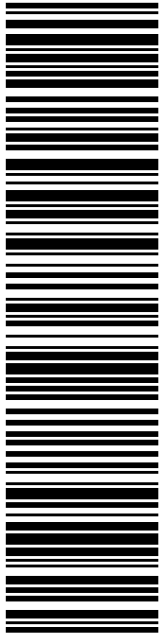
Crown Site ID/Name: 876392/NEW HARTFORD / EXECUTIVE GREET
Customer Site ID: BOHVN00170A/CT-CCI-T-876392
Site Address: 115 INDUSTRIAL PARK RD, NEW HARTFORD, CT 06057

Crown Castle

By:  Date: 3/21/2022
Richard Zajac
Site Acquisition Specialist

Exhibit H

Recipient Mailings



USPS TRACKING #

9405 5036 9930 0202 9420 77

Electronic Rate Approved #038555749

SHIP TO: RICH ZAJAC
CROWN CASTLE
4545 E RIVER RD
STE 320
W HENRIETTA NY 14586-9024

P

USPS.com 9405 5036 9930 0202 9420 77 0089 5000 0031 4586
US POSTAGE
 Flat Rate Envoy


03/25/2022 Mailed from 01566

U.S. POSTAGE PAID
Click-N-Ship®

PRIORITY MAIL 2-DAY™

Expected Delivery Date: 03/28/22
 Ref#: DS-876392
0006

R013



Click-N-Ship®



Cut on dotted line.

Instructions

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

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0202 9420 77

Trans. #: 559664758	Priority Mail® Postage: \$8.95
Print Date: 03/25/2022	Total: \$8.95
Ship Date: 03/25/2022	
Expected Delivery Date: 03/28/2022	

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

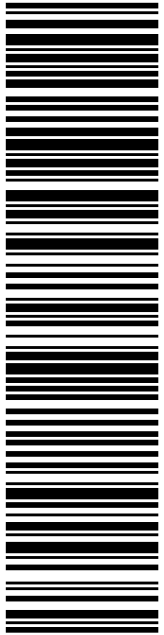
Ref#: DS-876392

To: RICH ZAJAC
 CROWN CASTLE
 4545 E RIVER RD
 STE 320
 W HENRIETTA NY 14586-9024

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



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



USPS TRACKING #

9405 5036 9930 0202 9420 84

Electronic Rate Approved #038555749

SHIP TO: DAVID V JERRAM
FIRST SELECTMAN
PO BOX 316
NEW HARTFORD CT 06057-0316

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

Expected Delivery Date: 03/28/22
Ref#: DS-876392
0006

B004

P

03/25/2022

U.S. POSTAGE PAID
Click-N-Ship®

USPS.com 9405 5036 9930 0202 9420 84 0089 5000 0010 6057
US POSTAGE \$2.95
Flat Rate Env

Click-N-Ship®

PRIORITY MAIL 2-DAY™

Mailed from 01566



Cut on dotted line.

Instructions

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

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0202 9420 84

Trans. #: 559664758	Priority Mail® Postage: \$8.95
Print Date: 03/25/2022	Total: \$8.95
Ship Date: 03/25/2022	
Expected Delivery Date: 03/28/2022	

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

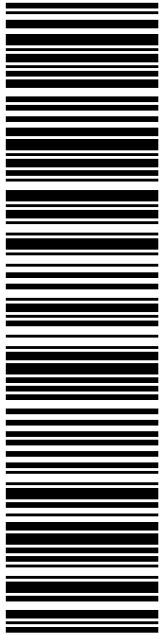
Ref#: DS-876392

To: DAVID V JERRAM
FIRST SELECTMAN
PO BOX 316
NEW HARTFORD CT 06057-0316

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



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



USPS TRACKING #

9405 5036 9930 0202 9420 91

Electronic Rate Approved #038555749

SHIP

TO: MICHAEL LUCAS
ZONING ENFORCEMENT OFFICER
PO BOX 316
NEW HARTFORD CT 06057-0316

P

USPS
US POSTAGE
Flat Rate Env

U.S. POSTAGE PAID
click-n-ship®

03/25/2022 Mailed from 01566

DEBORAH CHASE Expected Delivery Date: 03/28/22

NORTHEAST SITE SOLUTIONS Ref#: DS-876392


420 MAIN ST **0006**

STE 1

STURBRIDGE MA 01566-1359

B004

PRIORITY MAIL 2-DAY™



Click-N-Ship®

usps.com 9405 5036 9930 0202 9420 91 0089 5000 0010 6057

\$8.95

03/25/2022



Cut on dotted line.

Instructions


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

Click-N-Ship® Label Record

USPS TRACKING # :	
9405 5036 9930 0202 9420 91	
Trans. #: 559664758	Priority Mail® Postage: \$8.95
Print Date: 03/25/2022	Total: \$8.95
Ship Date: 03/25/2022	
Expected Delivery Date: 03/28/2022	
<hr/>	
From: DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	Ref#: DS-876392
<hr/>	
To: MICHAEL LUCAS ZONING ENFORCEMENT OFFICER PO BOX 316 NEW HARTFORD CT 06057-0316	
<p>* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.</p>	



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



**UNITED STATES
POSTAL SERVICE®**

Click-N-Ship®

P

usps.com 9405 5036 9930 0202 9421 07 0089 5000 0010 6111
US POSTAGE
 Flat Rate Env
 U.S. POSTAGE PAID
click-n-ship®

03/25/2022 Mailed from 01566


PRIORITY MAIL 2-DAY™

Expected Delivery Date: 03/28/22
 Ref#: DS-876392
0006

C015

SHIP TO:
 FRAMINGHAM COMMONS LLC
 705 N MOUNTAIN RD
 NEWINGTON CT 06111-1412

USPS TRACKING #



9405 5036 9930 0202 9421 07

Electronic Rate Approved #038555749



Cut on dotted line.

Instructions

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

Click-N-Ship® Label Record

USPS TRACKING # :	
9405 5036 9930 0202 9421 07	
Trans. #: 559664758	Priority Mail® Postage: \$8.95
Print Date: 03/25/2022	Total: \$8.95
Ship Date: 03/25/2022	
Expected Delivery Date: 03/28/2022	
<hr/>	
From: DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	Ref#: DS-876392
<hr/>	
To: FRAMINGHAM COMMONS LLC 705 N MOUNTAIN RD NEWINGTON CT 06111-1412	
* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.	



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

876392 Crown
DVL



FARMINGTON
210 MAIN ST
FARMINGTON, CT 06032-9998
(800)275-8777

03/25/2022

01:58 PM

Product	Qty	Unit Price	Price
Prepaid Mail West Henrietta, NY 14586 Weight: 0 lb 2.00 oz Acceptance Date: Fri 03/25/2022 Tracking #: 9405 5036 9930 0202 9420 77	1		\$0.00
Prepaid Mail New Hartford, CT 06057 Weight: 0 lb 8.50 oz Acceptance Date: Fri 03/25/2022 Tracking #: 9405 5036 9930 0202 9420 84	1		\$0.00
Prepaid Mail Newington, CT 06111 Weight: 0 lb 8.50 oz Acceptance Date: Fri 03/25/2022 Tracking #: 9405 5036 9930 0202 9421 07	1		\$0.00
Prepaid Mail New Hartford, CT 06057 Weight: 0 lb 8.50 oz Acceptance Date: Fri 03/25/2022 Tracking #: 9405 5036 9930 0202 9420 91	1		\$0.00
Grand Total:			\$0.00