



NSS **NORTHEAST**
SITE SOLUTIONS
Turnkey Wireless Development

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

April 14, 2022

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

RE: Exempt Modification Application
400 Main Street, Somers, CT 06071
Latitude: 41.983730
Longitude: -72.465519
Site #: 803934_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 400 Main Street, Somers, CT 06071. Verizon Wireless currently maintains fifteen (15) antennas at the 175-foot level of the existing 187-foot tower. The property is owned by the Town of Somers and the tower is owned by Crown Castle. Verizon now intends to replace nine (9) antennas. The new antennas would be installed at the 175-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable. Antenna mount modifications will be completed as per the attached GPD mount analysis dated September 9, 2021.

Verizon Planned Modifications:

Remove:

(6) 1-5/8" Coax

Remove and Replace:

(3) ANDREW Antennas (REMOVE) – (3) SAMSUNG MT6407-77A Antennas (REPLACE)
(6) KATHREIN Antennas (REMOVE) – (6) COMMSCOPE NHH-65B-R2B Antennas (REPLACE)

Install New:

(3) SAMSUNG RF4439D-25A RRH
(3) SAMSUNG RF4440D-13A RRH
(1) RAYCAP RVZDC-6627-PF-48 OVP
(2) Hybrid Lines

Existing to Remain:

(6) ANTEL Antennas
(12) 1-5/8" Coax



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This facility was originally approved by the Town of Somers, but a copy of the decision is not available.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-SOj-73, a copy of this letter is being sent to Tim Keeney, First Selectman and Jennifer Roy, Zoning Enforcement Officer for the Town of Somers. A copy is also being sent to the tower owner and property owner.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modifications will not result in an increase in the height of the existing structure.
2. The proposed modifications will not require the extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, Verizon Wireless respectfully submits that the proposed modifications to the above referenced telecommunications facility constitute an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

Denise Sabo
Mobile: 203-435-3640
Fax: 413-521-0558
Office: 4 Angela's Way, Burlington CT 06013
E-mail: denise@northeastsitesolutions.com



NSS

NORTHEAST
SITE SOLUTIONS

Turnkey Wireless Development

Attachments

Cc: Tim Keeney, First Selectman & Property Owner
Town of Somers
600 Main Street
Somers, CT 06071

Jennifer Roy, Zoning Enforcement Officer
Town of Somers
600 Main Street
Somers, CT 06071

Crown Castle – Tower Owner

Exhibit A

Property Card

400 MAIN ST

Location 400 MAIN ST

Mblu 05/07/11

Acct# 00202300

Owner SOMERS TOWN OF

Assessment \$2,655,300

Appraisal \$3,793,200

PID 2932

Building Count 1

Dev Lot

Dev Map

Exempt Code X

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2020	\$2,919,400	\$873,800	\$3,793,200

Assessment			
Valuation Year	Improvements	Land	Total
2020	\$2,043,600	\$611,700	\$2,655,300

Owner of Record

Owner SOMERS TOWN OF
Co-Owner FIRE COMPLEX
Address 400 MAIN STREET
SOMERS, CT 06071

Sale Price \$240,000
Certificate
Book & Page 0165/0819
Sale Date 08/18/1995

Ownership History

Ownership History				
Owner	Sale Price	Certificate	Book & Page	Sale Date
SOMERS TOWN OF	\$240,000		0165/0819	08/18/1995

Building Information

Building 1 : Section 1

Year Built: 2001
Living Area: 16,282
Replacement Cost: \$3,594,187

Building Percent Good: 77

Replacement Cost

Less Depreciation: \$2,767,500

Building Attributes

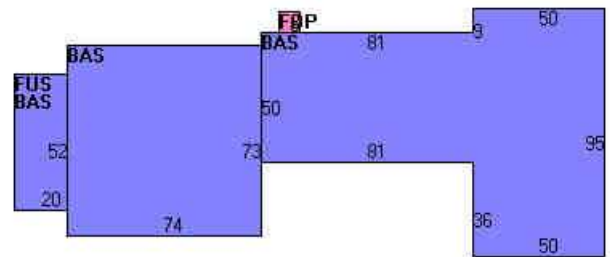
Field	Description
Style:	Fire Station
Model	Ind/Comm
Grade:	Good/Vg
Stories:	1.00
Occupancy:	1.00
Exterior Wall 1:	Brick Veneer
Exterior Wall 2:	Vinyl/Aluminum
Roof Struct:	Hip
Roof Cover:	Copper
Interior Wall 1:	Drywall
Interior Wall 2:	Minim/Masonry
Interior Floor 1:	Concr-Finished
Interior Floor 2:	Linoleum
Heating Fuel:	Oil
Heating Type:	Forced Air
AC Type:	None
Struct Class	Post Office
Bldg Use:	Fire Dept
Fin. Bsmt.	0
Ttl Bedrms:	
Ttl Baths:	
Ttl Half Baths:	
Ttl Xtra Fix:	
1st Floor Use:	
Heat/AC:	Heat/Ac Pkgs
Frame Type:	Wood Frame
Baths/Plumbing:	Average
Ceiling/Wall:	Sus-Ceil & WI
Rooms/Prtns:	Average
Wall Height:	12.00
% Comn Wall:	

Building Photo



(http://images.vgsi.com/photos/SomersCTPhotos///0009/P1020043_9570..)

Building Layout



Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	15,242	15,242
FUS	Finished Upper Story	1,040	1,040
FOP	Open Porch	64	0
		16,346	16,282

Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
SPR1	Sprinklers-Wet	15242.00 SF	\$31,700	1

A/C	Air Conditioning	8800.00 SF	\$16,900	1
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Land

Land Use

Use Code	928
Description	Fire Dept
Zone	A-1
Neighborhood	E
Alt Land Appr Category	No

Land Line Valuation

Size (Acres)	11.00
Frontage	
Depth	
Assessed Value	\$611,700
Appraised Value	\$873,800

Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
PAV1	Paving Asph			32000.00 SF	\$57,600	1
LT	Light	1	Single	13.00 UNITS	\$21,800	1
TWR	Tower			190.00 LF	\$0	1
CB1	PreCast Cell Shed	CB		120.00 SF	\$18,000	1
FN4	Fence 8'			330.00 LF	\$5,900	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2019	\$2,692,100	\$592,500	\$3,284,600
2016	\$2,692,100	\$592,500	\$3,284,600
2014	\$2,881,200	\$505,000	\$3,386,200

Assessment			
Valuation Year	Improvements	Land	Total
2019	\$1,884,400	\$414,800	\$2,299,200
2016	\$1,884,400	\$414,800	\$2,299,200
2014	\$2,016,800	\$353,500	\$2,370,300



Imagery ©2021 MassGIS, Commonwealth of Massachusetts EOE, Maxar Technologies, U.S. Geological Survey, USDA Farm Service Agency, Map data ©2021

100 ft 



400 Main St

Somers, CT 06071
Building



Directions



Save



Nearby



Send to your
phone



Share

Photos

Exhibit B

Construction Drawings



VERIZON SITE NUMBER: 467220
VERIZON SITE NAME: SOMERS 2 CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 187'-0'

BUSINESS UNIT #: 803934
SITE ADDRESS: 400 MAIN STREET
 SOMERS, CT 06071
COUNTY: TOLLAND
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON 5G L-SUB6 - CARRIER ADD 16272405

verizon
 180 WASHINGTON VALLEY ROAD
 BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
 467220
BU #: 803934
CT SOMERS FD CAC
 400 MAIN STREET
 SOMERS, CT 06071
 EXISTING 187'-0' MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DWG./QA
0	11/3/21	JJR	CONSTRUCTION	JJR
1	3/4/22	GAC	CONSTRUCTION	LR

SITE INFORMATION

CROWN CASTLE USA INC. CT SOMERS FD CAC
 SITE NAME:
 SITE ADDRESS: 400 MAIN STREET
 SOMERS, CT 06071
 COUNTY: TOLLAND
 MAP/PARCEL #: 2932
 AREA OF CONSTRUCTION: EXISTING
 LATITUDE: 41.983731
 LONGITUDE: -72.465513
 LAT/LONG TYPE: NAD83
 GROUND ELEVATION: 197'
 CURRENT ZONING: A-1
 JURISDICTION: CONNECTICUT SITING COUNCIL
 OCCUPANCY CLASSIFICATION: U
 TYPE OF CONSTRUCTION: IIB
 A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
 PROPERTY OWNER: TOWN OF SOMERS
 400 MAIN STREET
 SOMERS, CT 06071
 TOWER OWNER: CROWN CASTLE
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15317
 CARRIER/APPLICANT: VERIZON WIRELESS
 20 ALEXANDER DRIVE, 2ND FLOOR
 WALLINGFORD, CT 06492
 ELECTRIC PROVIDER: EVERSOURCE ENERGY
 (800) 286-5000
 TELCO PROVIDER: LIGHTTOWER
 (855) 91-FIBER

DRAWING INDEX

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

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

APPROVALS

SIGNATURE	DATE
_____	_____
_____	_____
_____	_____
_____	_____

CONTRACTOR PMI REQUIREMENTS

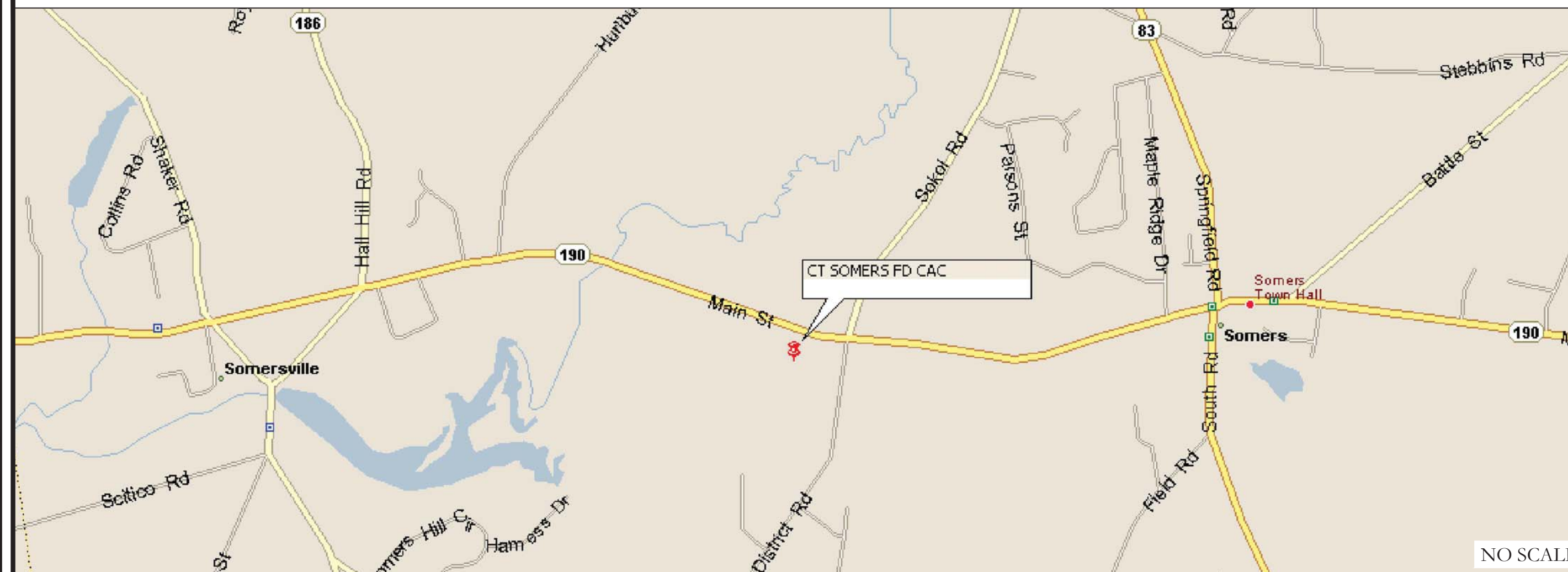
PMI ACCESSED AT <https://pmi.vxvsmart.com>
 SMART TOOL VENDOR PROJECT NUMBER 10101702
 VzW LOCATION CODE (PSLC) ----
 *** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED Y

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (16 HAZARD AVE ENFIELD, CT 06082)
 HEAD SOUTH TOWARD CT-190 E TURN LEFT TOWARD CT-190 E TURN LEFT AT THE 1ST CROSS STREET TOWARD CT-190 E TURN RIGHT AT THE 1ST CROSS STREET ONTO CT-190 E TURN RIGHT ONTO 9TH DISTRICT RD TURN RIGHT TO ACCESS RD HEAD STRAIGHT ARRIVE AT 803934.

APPLICABLE CODES/REFERENCE DOCUMENTS

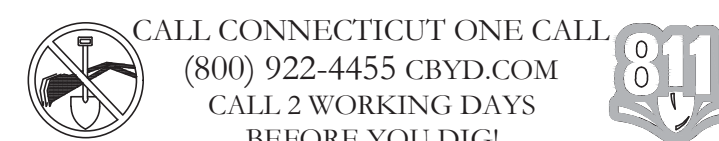
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE	CODE
BUILDING	IBC 2015 (2018 CONNECTICUT STATE BUILDING CODE)
MECHANICAL	2015 IMC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: B+T GROUP
 DATED: 9/8/21
 MOUNT ANALYSIS: GPD ENGINEERING
 DATED: 9/9/21

RFDS REVISION: 0
 DATED: 8/27/21
 ORDER ID: 586109
 REVISION: 0



PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:

- REMOVE (9) ANTENNAS
- REMOVE (6) RRHS
- REMOVE (1) OVP
- REMOVE (1) 6X12 HYBRIFLEX HYBRID CABLE
- REMOVE (6) COAX CABLE
- REMOVE (6) EXISTING TIEBACKS
- INSTALL (9) ANTENNAS
- INSTALL (3) BSAMNT-SBS-1-2
- INSTALL (6) RRHS
- INSTALL (1) OVP
- INSTALL (1) 12X24 HYBRIFLEX LI HYBRID CABLE
- INSTALL (6) TIEBACK PIPE CONNECTED TO TOWER LEG

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

PROJECT TEAM

A&E FIRM: B+T GROUP
 1717 S BOULDER AVE, SUITE 300
 TULSA, OK 74119
 JENNY PAUL
 (918) 587-4630
 CROWN CASTLE USA INC. DISTRICT CONTACTS: 3 CORPORATE PARK DRIVE, SUITE 101
 CLIFTON PARK, NY 12065
 WILLIAM GATES - PROJECT MANAGER
 WILLIAM.GATES@CROWNCastle.COM
 JASON D'AMICO - CONSTRUCTION MANAGER
 JASON.DAMICO@CROWNCastle.COM
 VERIZON CONTACT: ANDREW LEONE
 ALEONE@STRUCTURECONSULTING.NET



B&T ENGINEERING, INC.
 PEC.0001564
 Expires 2/10/23
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER: T-1
REVISION: 1

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

- 1. NOTICE TO PROCEED- NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800-788-7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
2. "LOOK UP" - CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT: THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
... (additional items follow similar pattern) ...

GENERAL NOTES:

- 1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY: CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION CARRIER: VERIZON TOWER OWNER: CROWN CASTLE USA INC.
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.
... (additional items follow similar pattern) ...

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

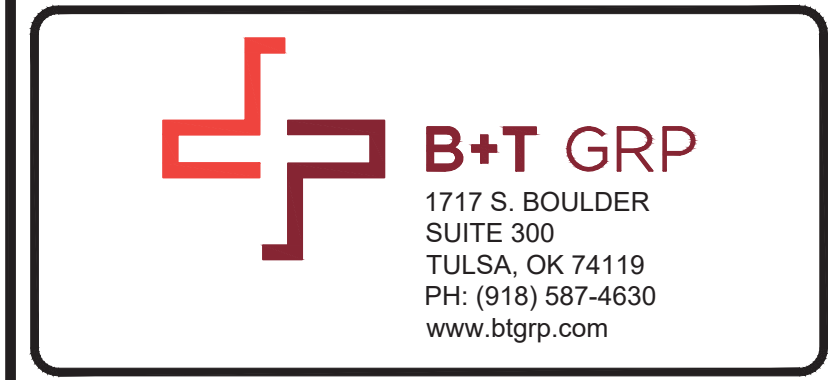
- 1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
3. ALL 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 90F AT TIME OF PLACEMENT.
... (additional items follow similar pattern) ...

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.
... (additional items follow similar pattern) ...

CONDUCTOR COLOR CODE table with columns for SYSTEM, CONDUCTOR, and COLOR. Includes color key for DC VOLTAGE: POS (+) RED, NEG (-) BLACK.

APWA UNIFORM COLOR CODE:

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


VERIZON SITE NUMBER: 467220
BU #: 803934
CT SOMERS FD CAC
400 MAIN STREET SOMERS, CT 06071
EXISTING 187'-0' MONOPOLE

ISSUED FOR: table with columns REV, DATE, DRWN, DESCRIPTION, DES/QA. Shows entries for 11/3/21 and 3/4/22.

B&T ENGINEERING, INC. PEC.0001564 Expires 2/10/23
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.

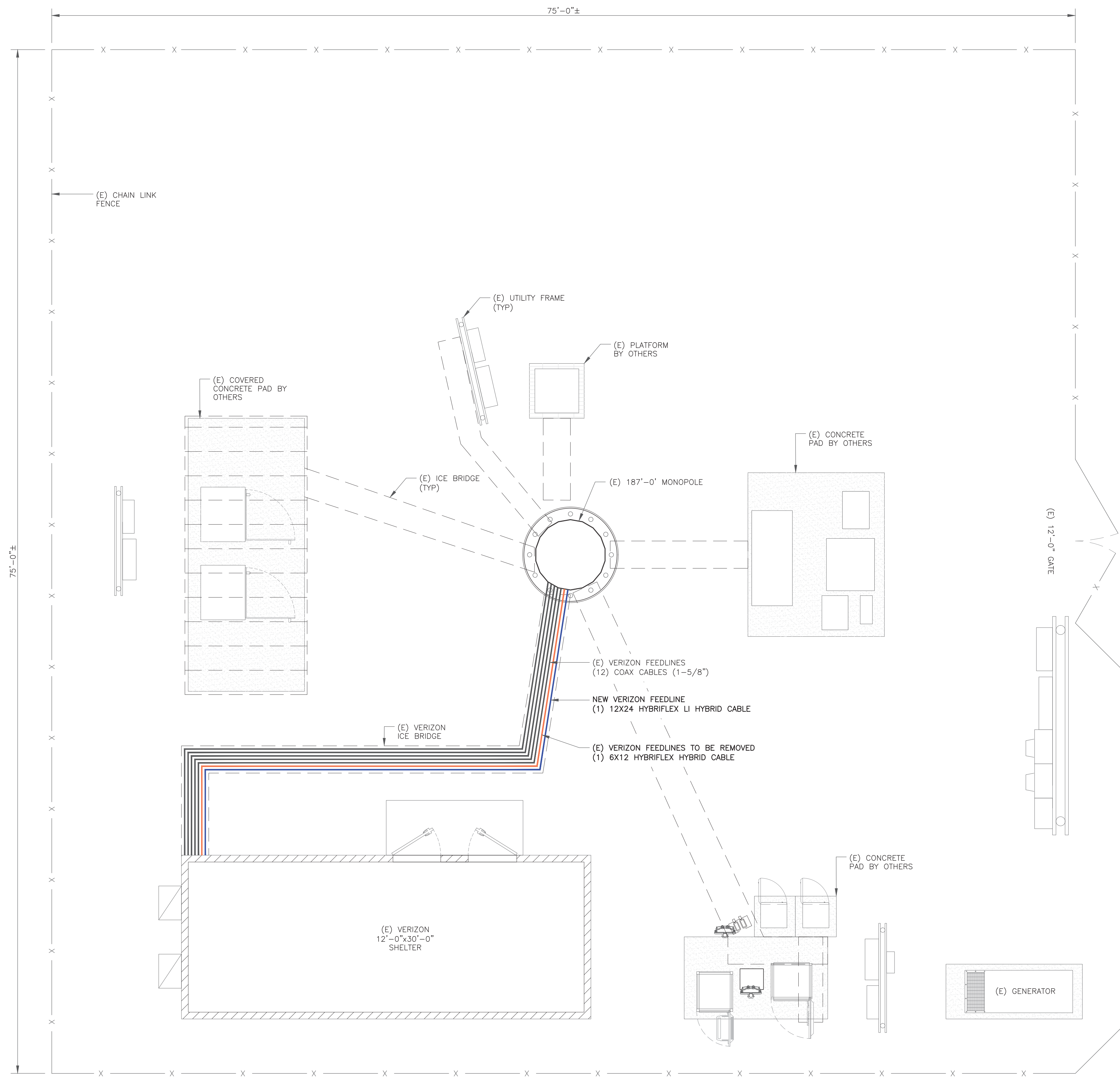
GREENFIELD GROUNDING NOTES:

- 1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL-OFF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
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.
... (additional items follow similar pattern) ...

ABBREVIATIONS:

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

SHEET NUMBER: T-2 REVISION: 1



verizon

180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE

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

B+T GRP

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

VERIZON SITE NUMBER:
467220

BU #: **803934**
CT SOMERS FD CAC

400 MAIN STREET
SOMERS, CT 06071

EXISTING 187'-0' MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/3/21	JJR	CONSTRUCTION	JJR
1	3/4/22	GAC	CONSTRUCTION	LR



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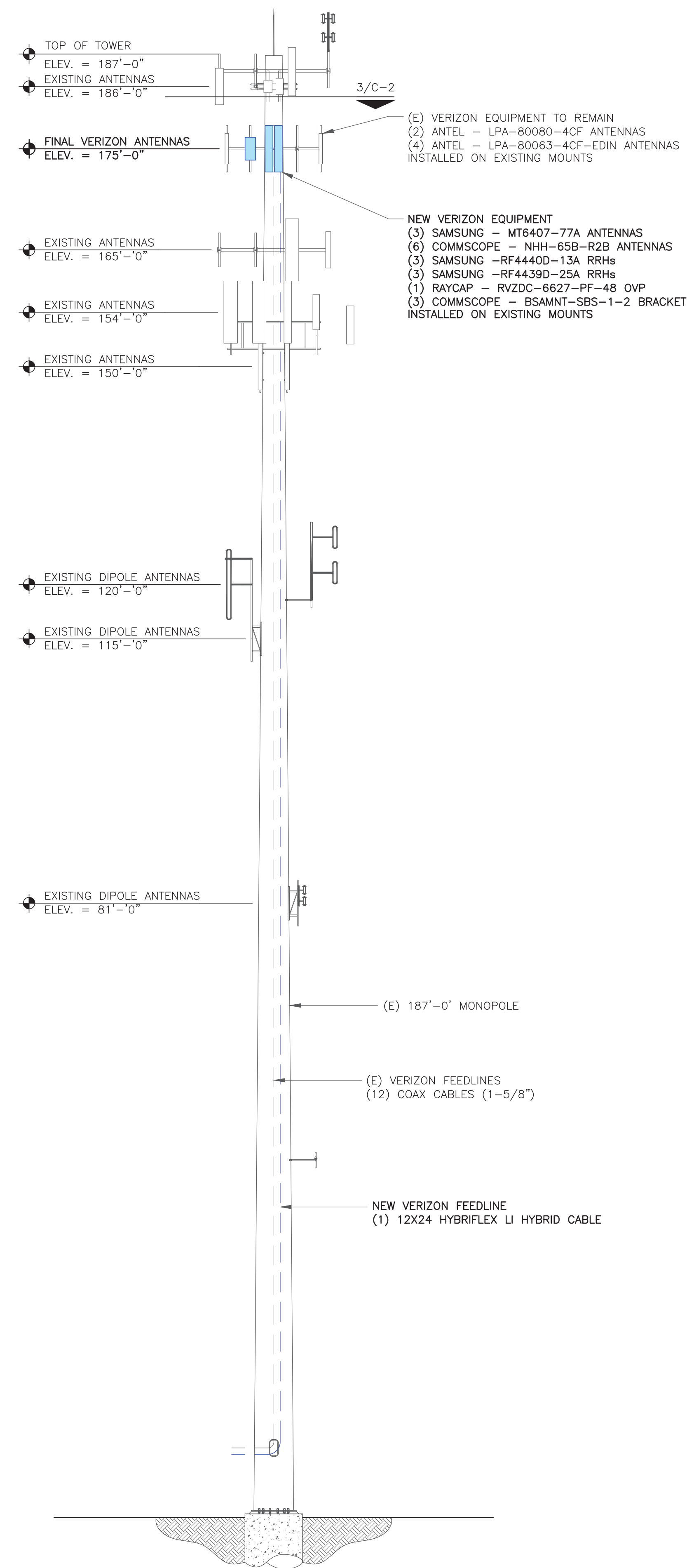
C-1

REVISION:

1

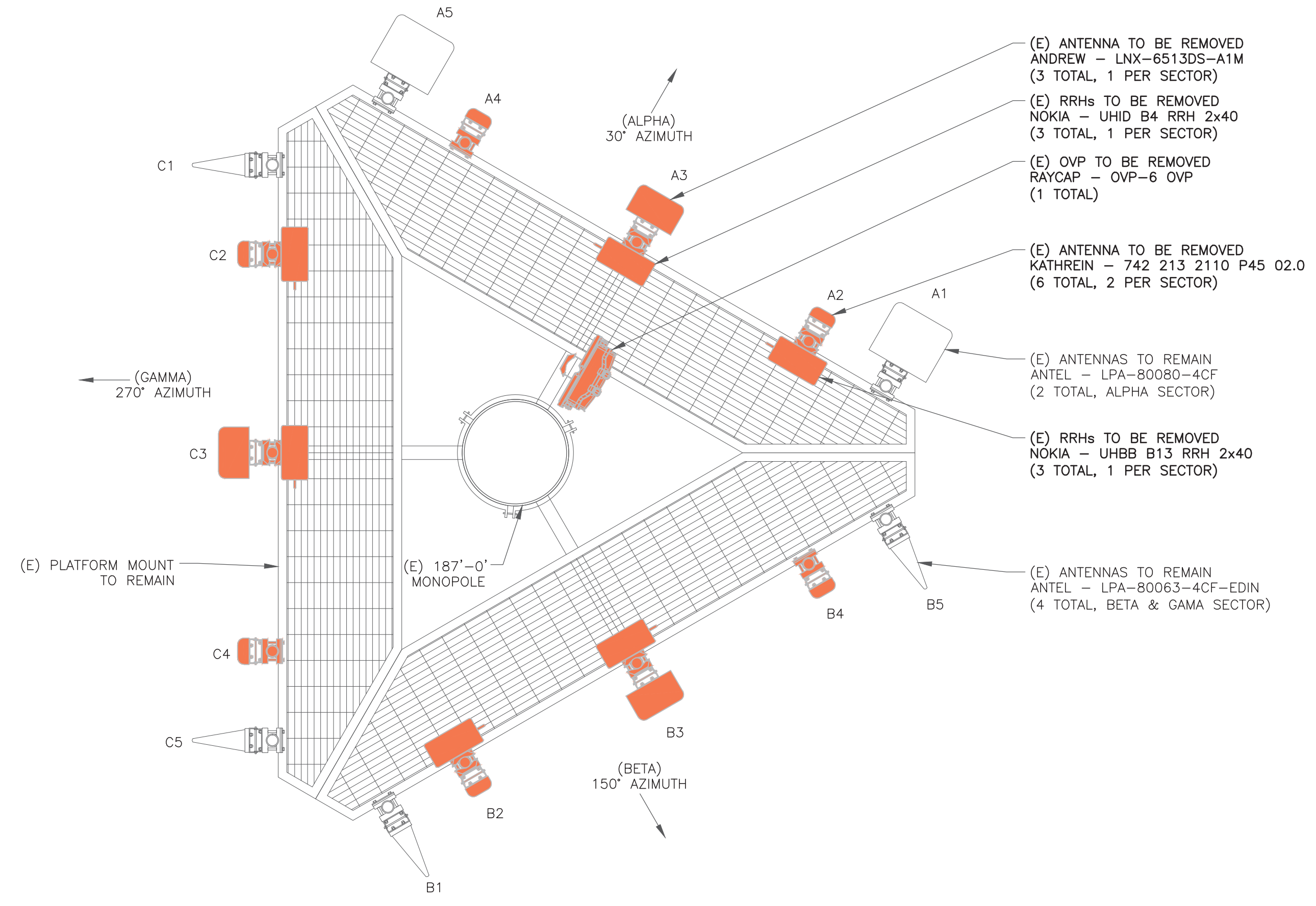
1 SITE PLAN
SCALE: 1/4"=1'-0" (FULL SIZE)
1/8"=1'-0" (11x17)



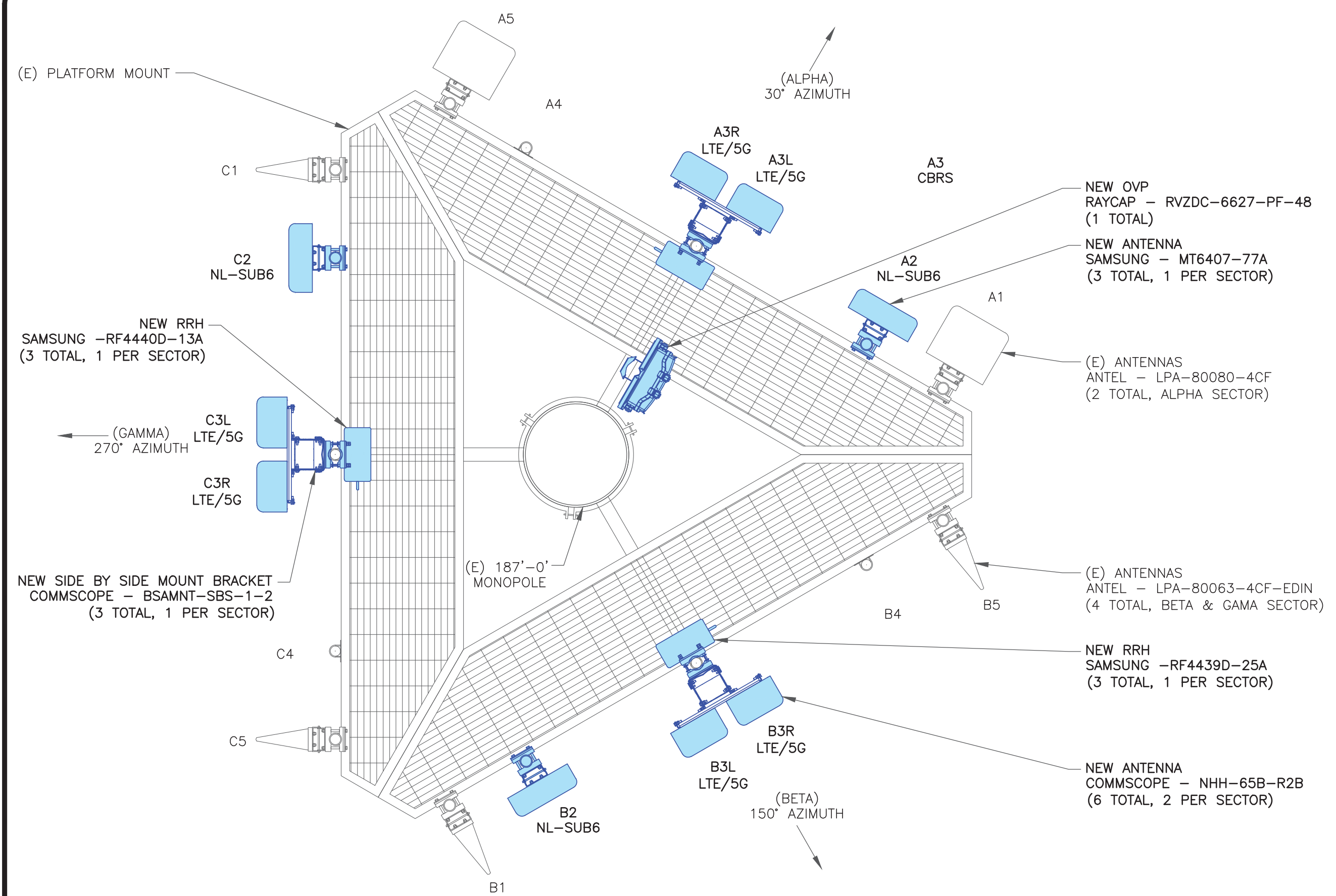


1 TOWER ELEVATION
SCALE: NOT TO SCALE

VERIZON EQUIPMENT
ANTENNA CL: 175'-0"
MOUNT CL: 175'-0"



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

B+T GRP
1717 S. BOULDER
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VERIZON SITE NUMBER:
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BU #: 803934
CT SOMERS FD CAC

400 MAIN STREET
SOMERS, CT 06071

EXISTING 187'-0' MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DWG./QA
0	11/3/21	JJR	CONSTRUCTION	JJR
1	3/4/22	GAC	CONSTRUCTION	LR



B&T ENGINEERING, INC.
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SHEET NUMBER: **C-2** REVISION: **1**

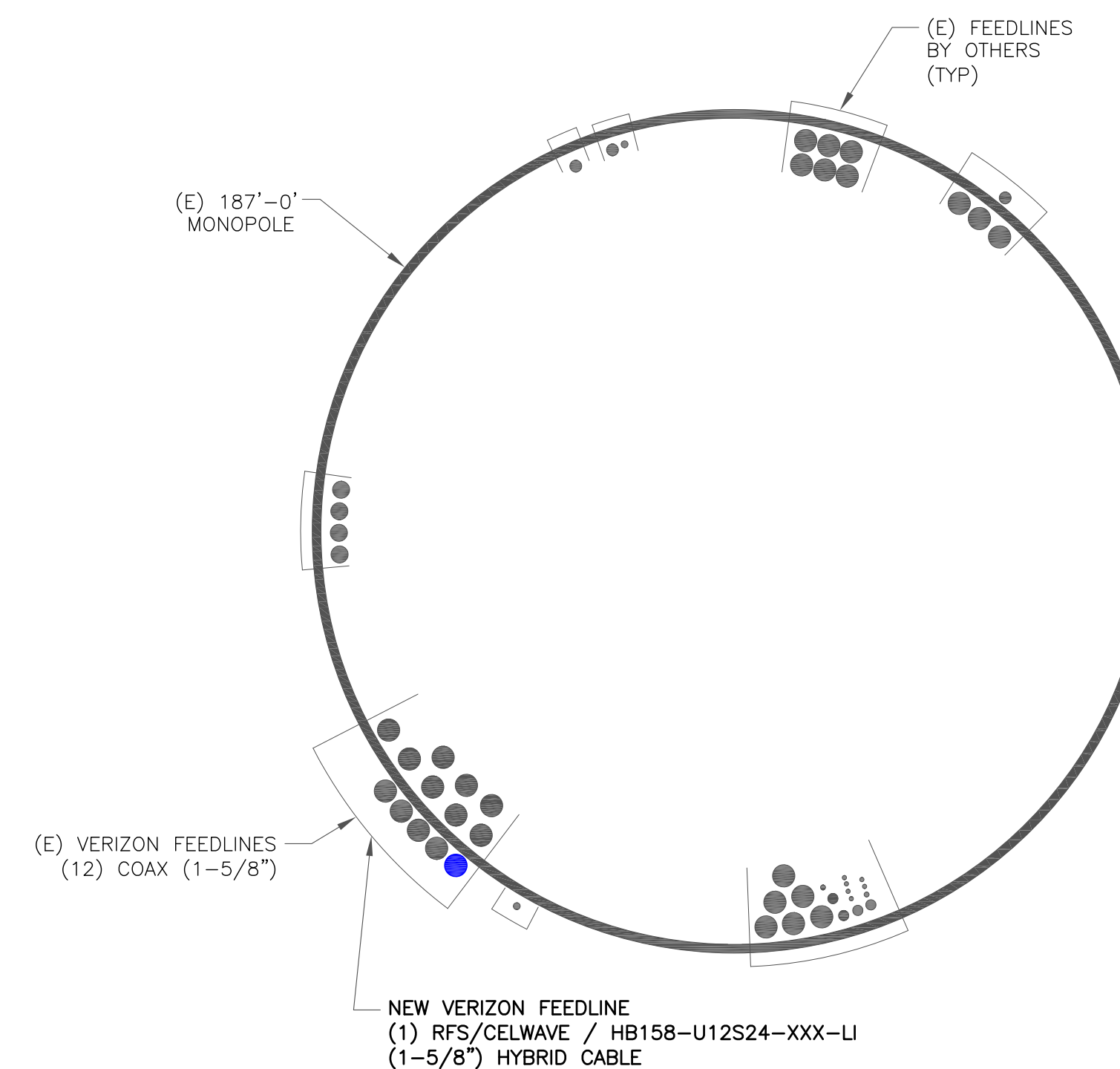
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	ANTEL	LPA-80080-4CF	175'-0"	30°	5'	0'	RAYCAP	(1) RVZDC-6627-PF-48
A2	NEW	SAMSUNG	MT6407-77A	175'-0"	30°	0'	6'	-	-
A3L	NEW	COMMSCOPE	NHH-65B-R2B	175'-0"	30°	0'	8' / 1' / 8' / 1'	SAMSUNG	(1) RF4440D-13A
A3R	NEW	COMMSCOPE	NHH-65B-R2B	175'-0"	30°	0'	8' / 1' / 8' / 1'	SAMSUNG	(1) RF4439D-25A
A4	-	-	-	-	-	-	-	-	-
A5	EXISTING	ANTEL	LPA-80080-4CF	175'-0"	30°	5'	0'	-	-
B1	EXISTING	ANTEL	LPA-80063-4CF-EDIN	175'-0"	150°	0'	2'	-	-
B2	NEW	SAMSUNG	MT6407-77A	175'-0"	150°	0'	6'	-	-
B3L	NEW	COMMSCOPE	NHH-65B-R2B	175'-0"	150°	0'	-	SAMSUNG	(1) RF4440D-13A
B3R	NEW	COMMSCOPE	NHH-65B-R2B	175'-0"	150°	0'	7' / 2' / 7' / 2'	SAMSUNG	(1) RF4439D-25A
B4	-	-	-	-	-	-	-	-	-
B5	EXISTING	ANTEL	LPA-80063-4CF-EDIN	175'-0"	150°	0'	0'	-	-
C1	EXISTING	ANTEL	LPA-80063-4CF-EDIN	175'-0"	270°	0'	2'	-	-
C2	NEW	SAMSUNG	MT6407-77A	175'-0"	270°	0'	6'	-	-
C3L	NEW	COMMSCOPE	NHH-65B-R2B	175'-0"	270°	0'	5' / 2' / 5' / 2'	SAMSUNG	(1) RF4440D-13A
C3R	NEW	COMMSCOPE	NHH-65B-R2B	175'-0"	270°	0'	5' / 2' / 5' / 2'	SAMSUNG	(1) RF4439D-25A
C4	-	-	-	-	-	-	-	-	-
C5	EXISTING	ANTEL	LPA-80063-4CF-EDIN	175'-0"	270°	0'	2'	-	-

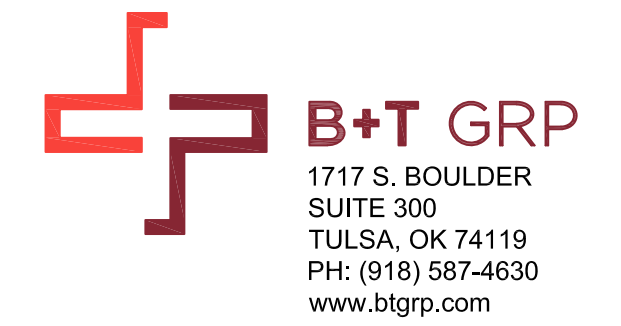
1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	225'-0"±	12
NEW	HYBRID	1-5/8"	225'-0"±	1
TOTAL CABLE QTY:				13



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE



VERIZON SITE NUMBER:
467220

BU #: 803934
CT SOMERS FD CAC

400 MAIN STREET
SOMERS, CT 06071

EXISTING 187'-0' MONOPOLE

ISSUED FOR:

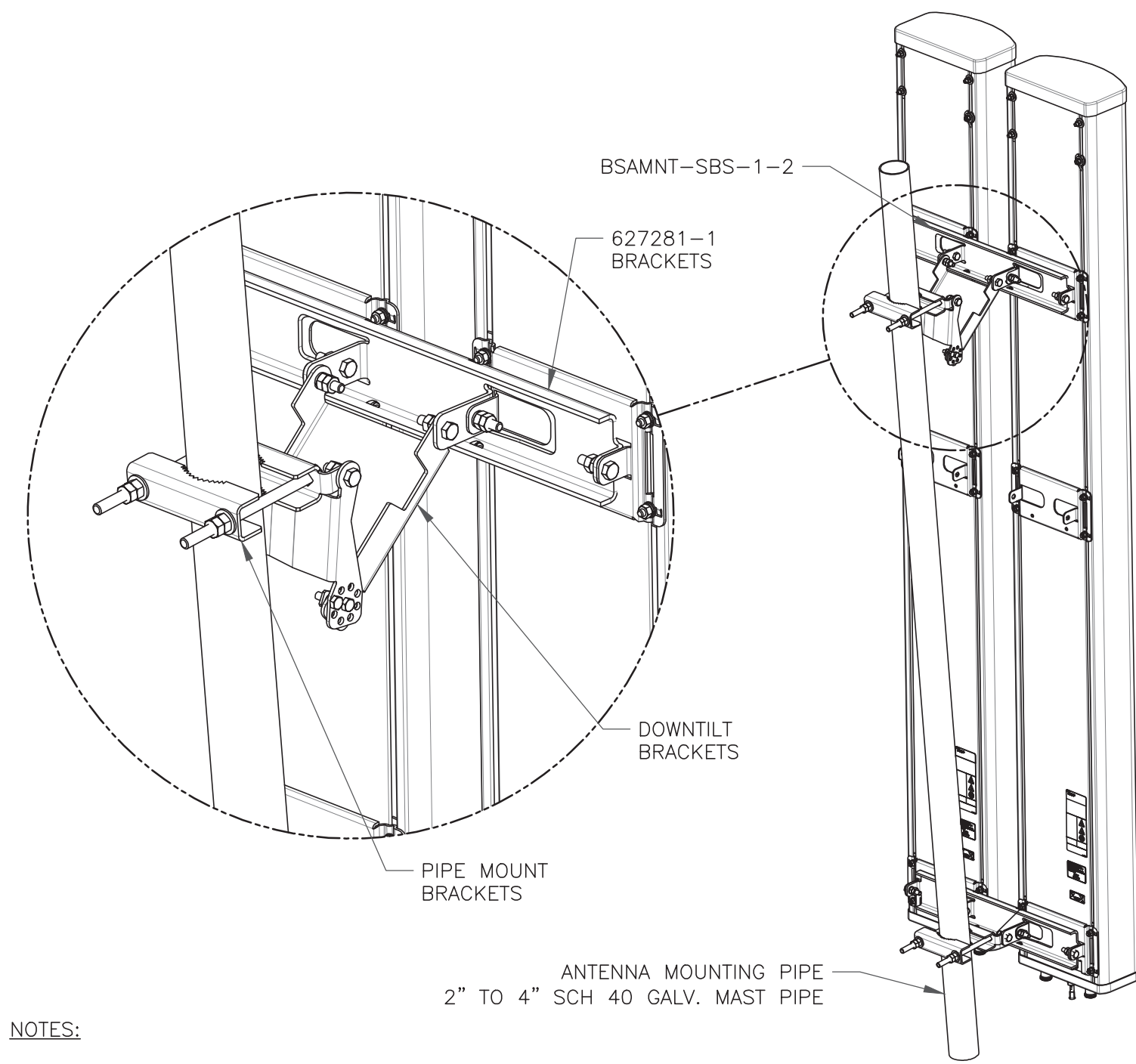
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/3/21	JJR	CONSTRUCTION	JJR
1	3/4/22	GAC	CONSTRUCTION	LR



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SHEET NUMBER: **C-3** REVISION: **1**

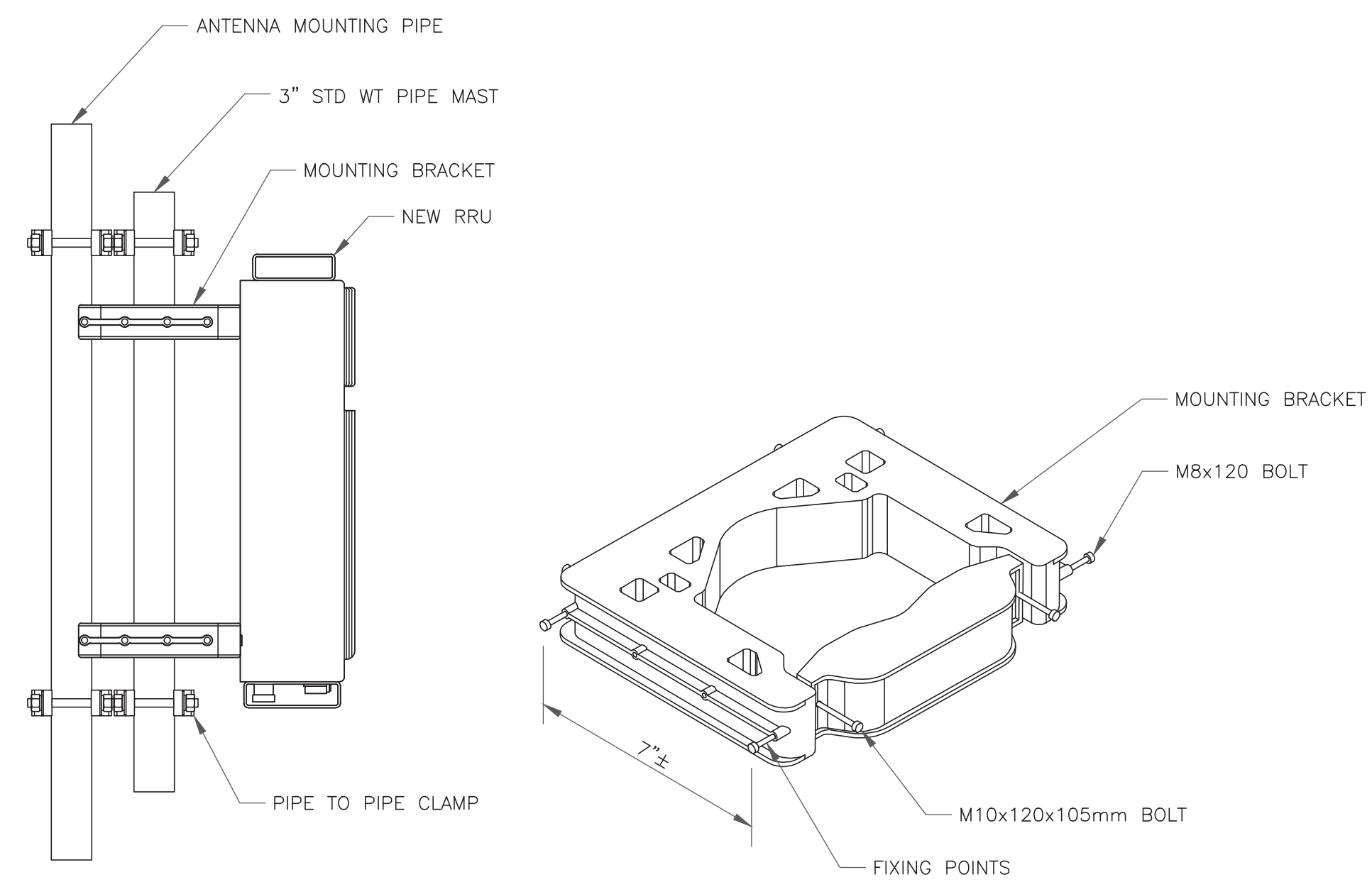


NOTES:

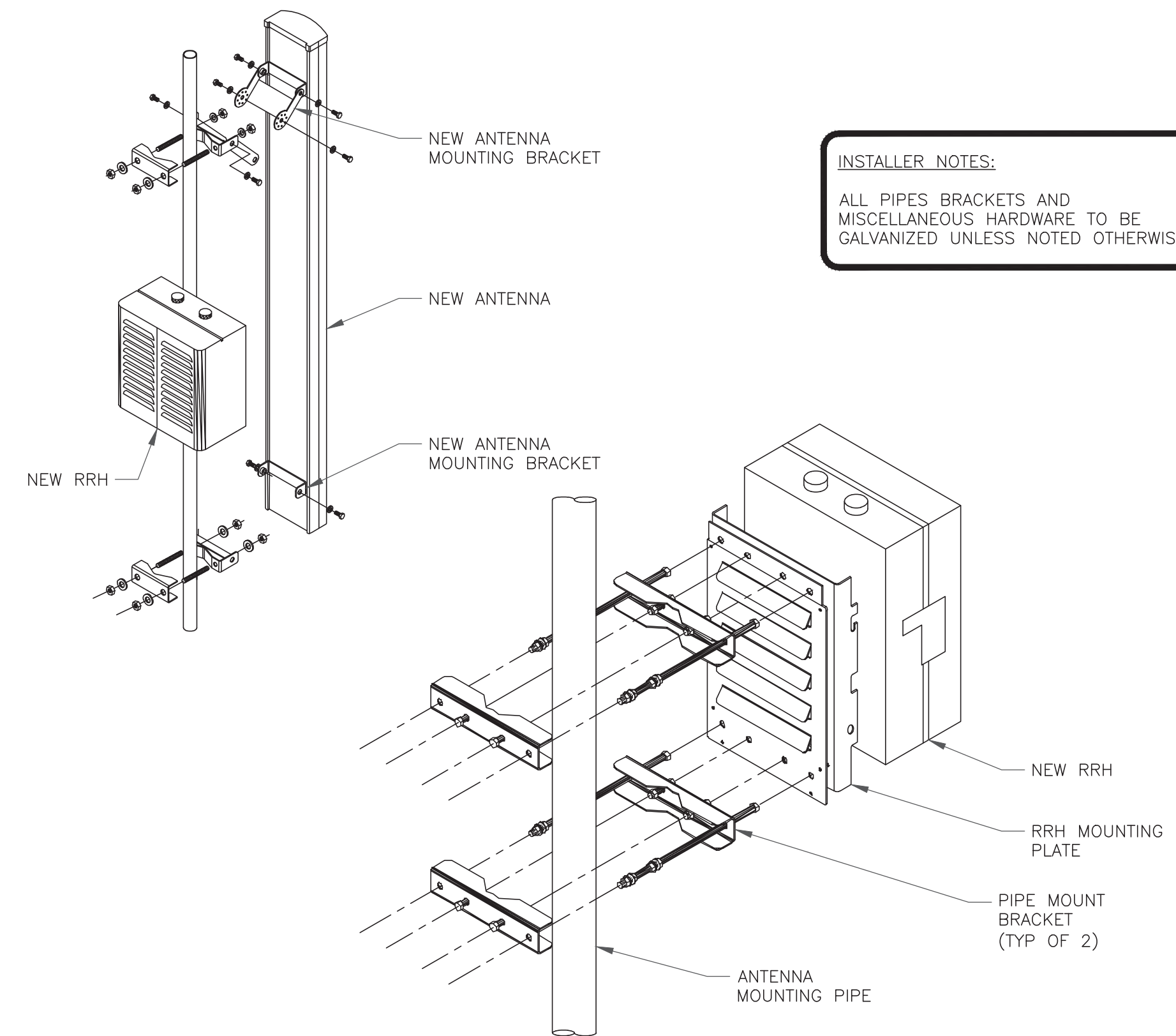
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

2 NOT USED
SCALE: NOT TO SCALE



3 NOKIA - FPKA BRACKET MOUNTING DETAIL
SCALE: NOT TO SCALE



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

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
467220

BU #: **803934**
CT SOMERS FD CAC

400 MAIN STREET
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EXISTING 187'-0" MONOPOLE

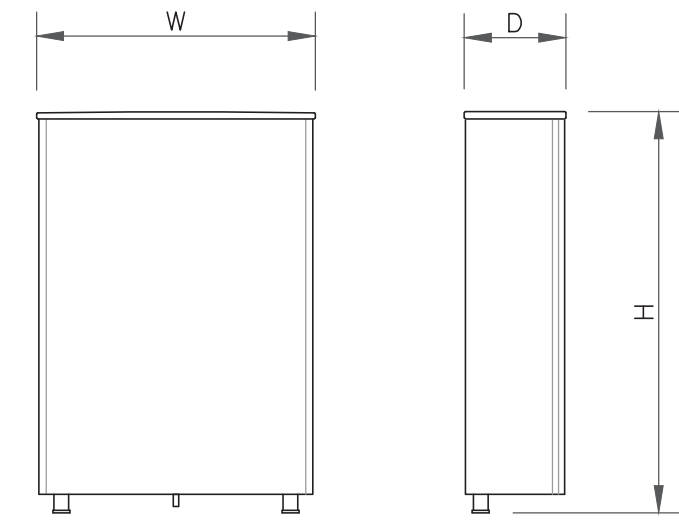
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/3/21	JJR	CONSTRUCTION	JJR
1	3/4/22	GAC	CONSTRUCTION	LR

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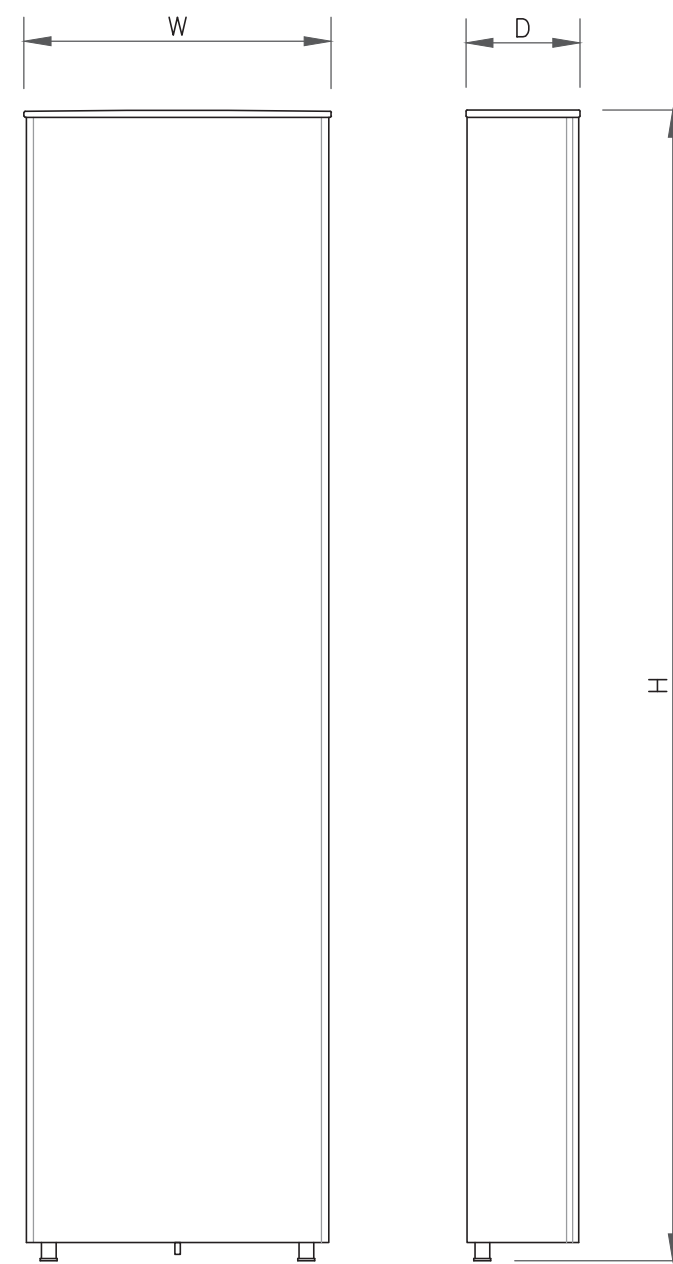
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SHEET NUMBER: **C-4** REVISION: **1**



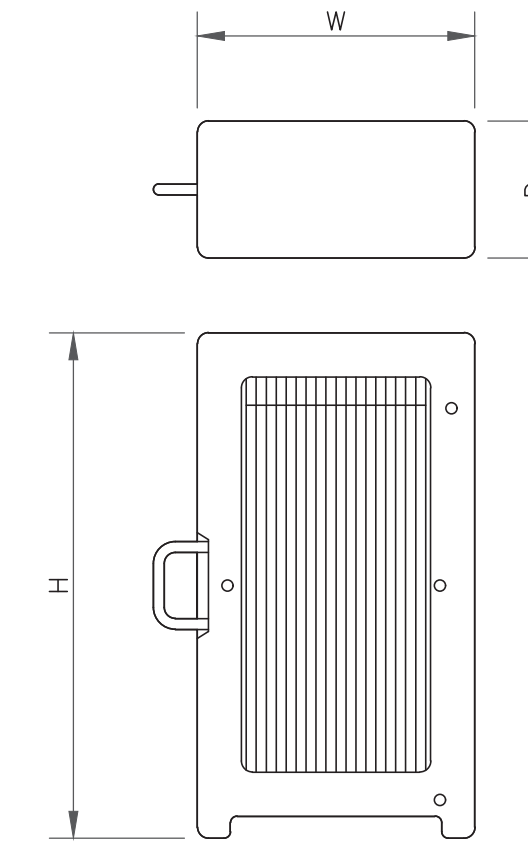
ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	MT6407-77A
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.06"
WEIGHT	81.57 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



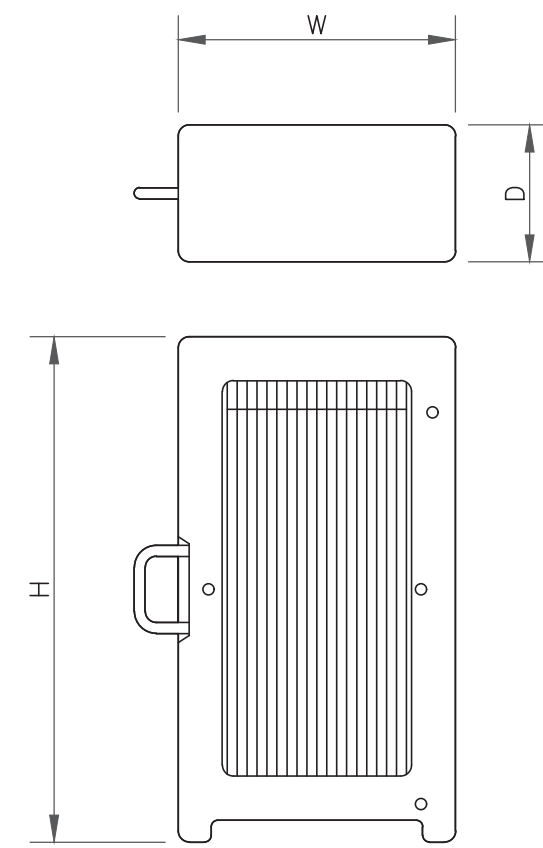
ANTENNA SPECS	
MANUFACTURER	COMMSCOPE
MODEL #	NHH-65B-R2B
WIDTH	11.90"
DEPTH	7.10"
HEIGHT	72.0"
WEIGHT	43.70 LBS

2 ANTENNA SPECS
SCALE: NOT TO SCALE



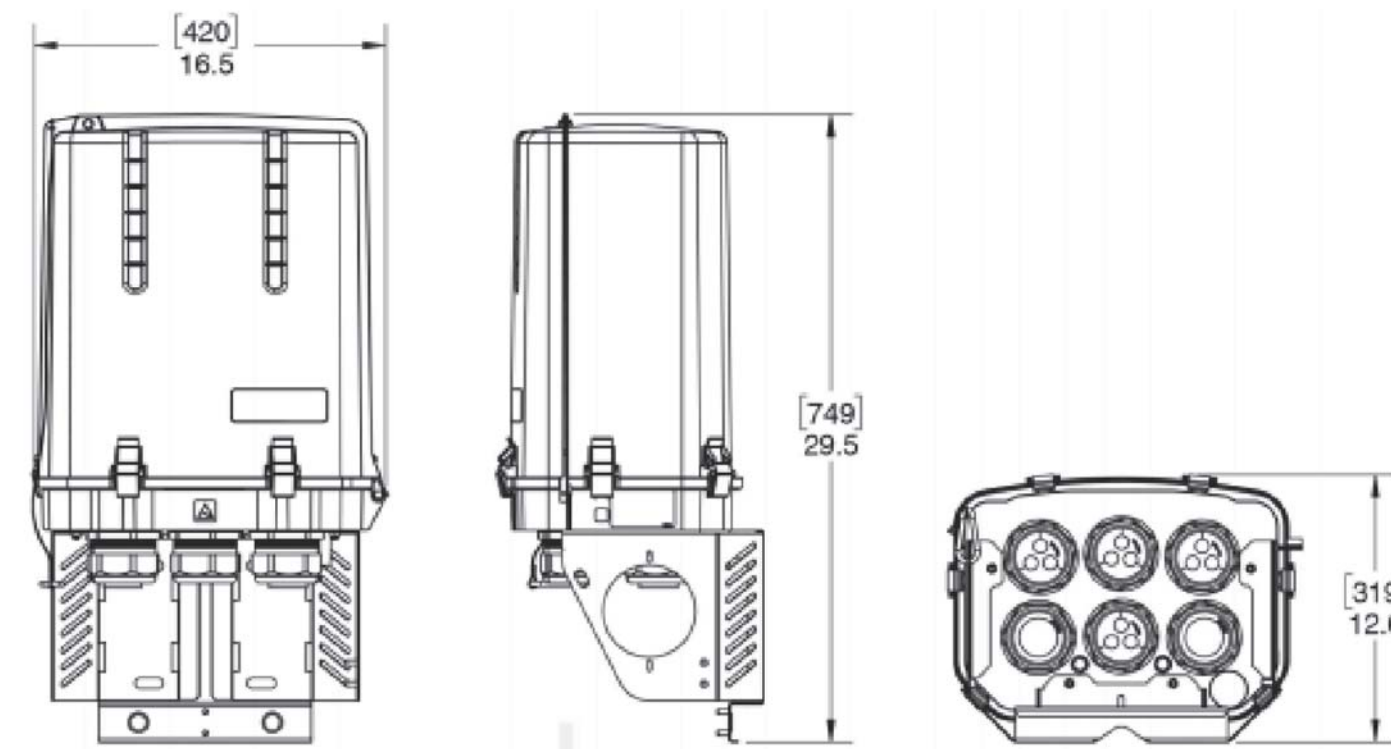
RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RF4439D-25A
WIDTH	14.96"
DEPTH	10.04"
HEIGHT	14.96"
WEIGHT	74.70 LBS

3 RRU SPECIFICATIONS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RF4440D-13A
WIDTH	14.96"
DEPTH	9.06"
HEIGHT	14.96"
WEIGHT	72.50 LBS

4 RRU SPECIFICATIONS
SCALE: NOT TO SCALE



Mechanical Specifications	
Suppression Connection Method	Compression lug, #14 - #2 AWG (2 mm2 - 33 mm2)
Fiber Connection Method	LC-LC Single mode
Pressure Equalizing Vent	Gore™ Vent
Environmental Rating	IP 67
Operating Temperature	-40° C to +80° C
UV Resistant	Yes
Dimensions (L x W x H)	12.6" x 16.5" x 29.5" [319mm x 420mm 749mm]
Weight System:	32 lbs (14.51 kg)
Combined Wind Loading	150mph (sustained): 185 lbs (823 N)

OVP SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	RFV01U-D1A
WIDTH	15.00"
DEPTH	10.00"
HEIGHT	15.00"
WEIGHT	84.40 LBS

5 OVP SPECIFICATIONS
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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SUITE 300
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www.btgrp.com

VERIZON SITE NUMBER:
467220

BU #: **803934**
CT SOMERS FD CAC

400 MAIN STREET
SOMERS, CT 06071

EXISTING 187'-0' MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/3/21	JJR	CONSTRUCTION	JJR
1	3/4/22	GAC	CONSTRUCTION	LR

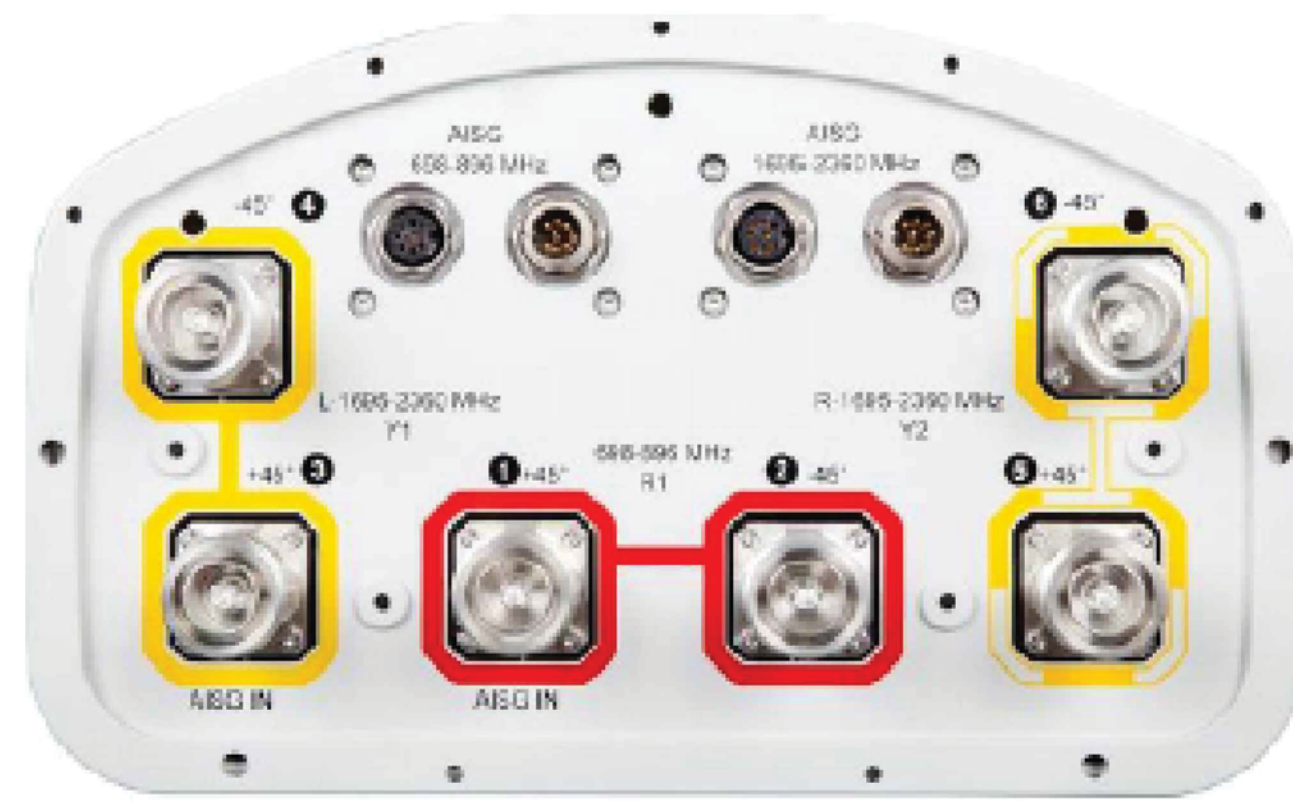


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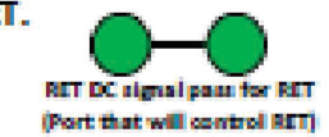
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SHEET NUMBER:
C-5

REVISION:
1



- Port 1 & 2 are for low band (698-896 MHz).
- Port 3,4,5, & 6 are for high band (1695-2360 MHz).
- Smart Bias Tee (SBT) is through port 1 & 3 for low band and port 1 for high band.
- AISG cable is only needed when drawn in the diagrams below, if it is not drawn then SBT is enough to control all RET motors.
- Not all SBT ports are needed to control RET, only green port connection to green port will control RET.



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SOMERS, CT 06071

EXISTING 187'-0" MONOPOLE

ISSUED FOR:

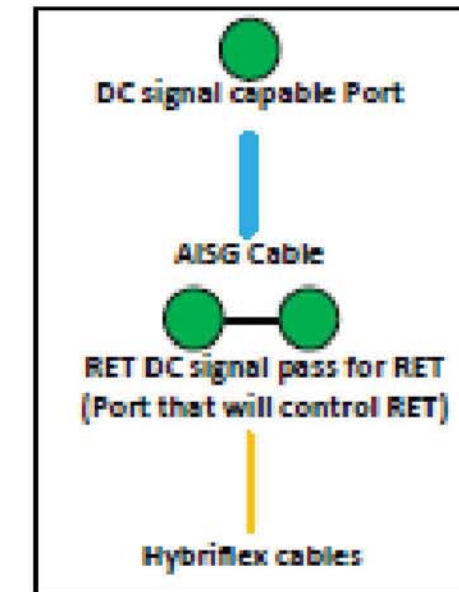
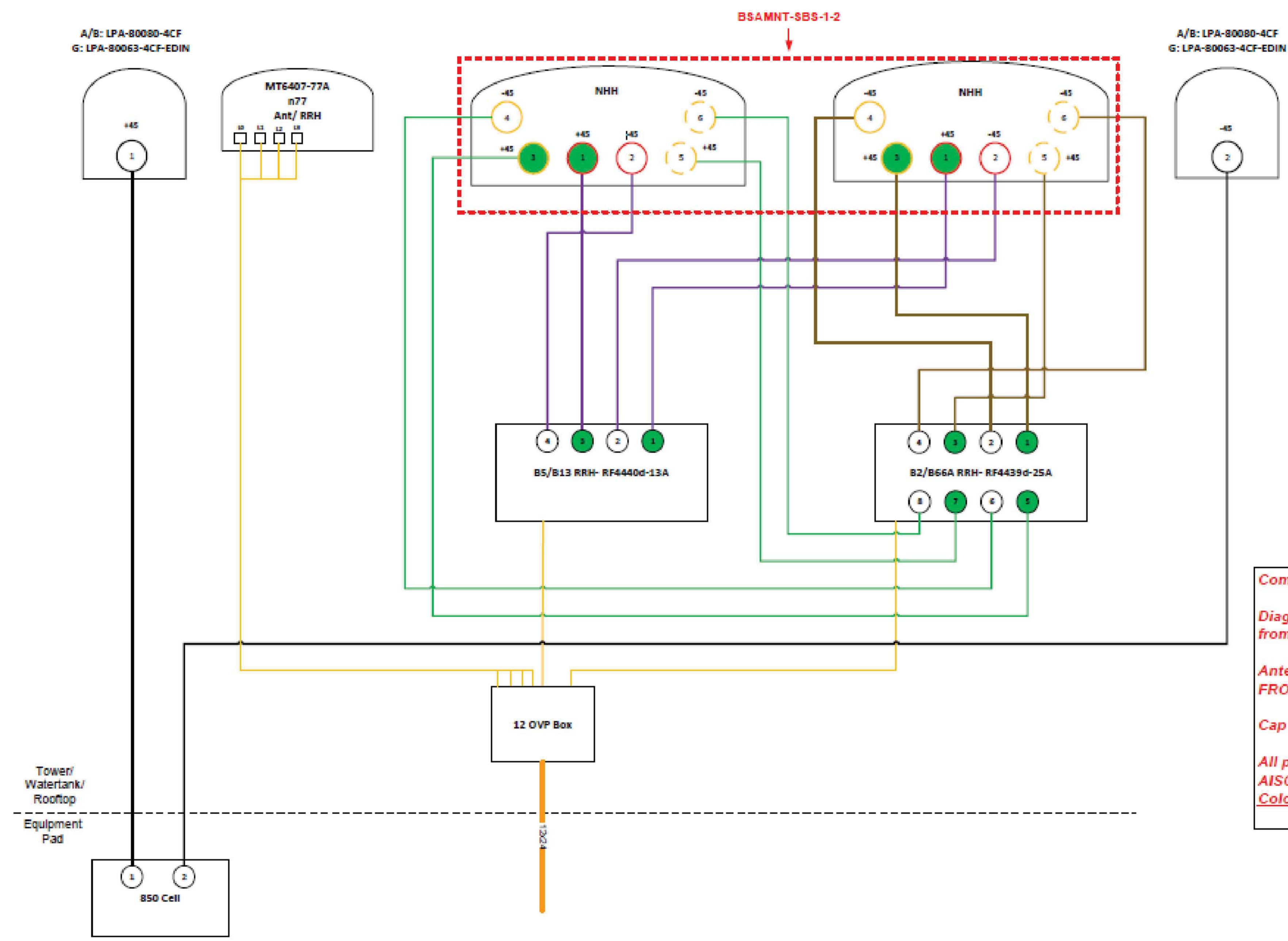
REV	DATE	DRWN	DESCRIPTION	DES./QA
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SHEET NUMBER: **C-6** REVISION: **1**



Comments:

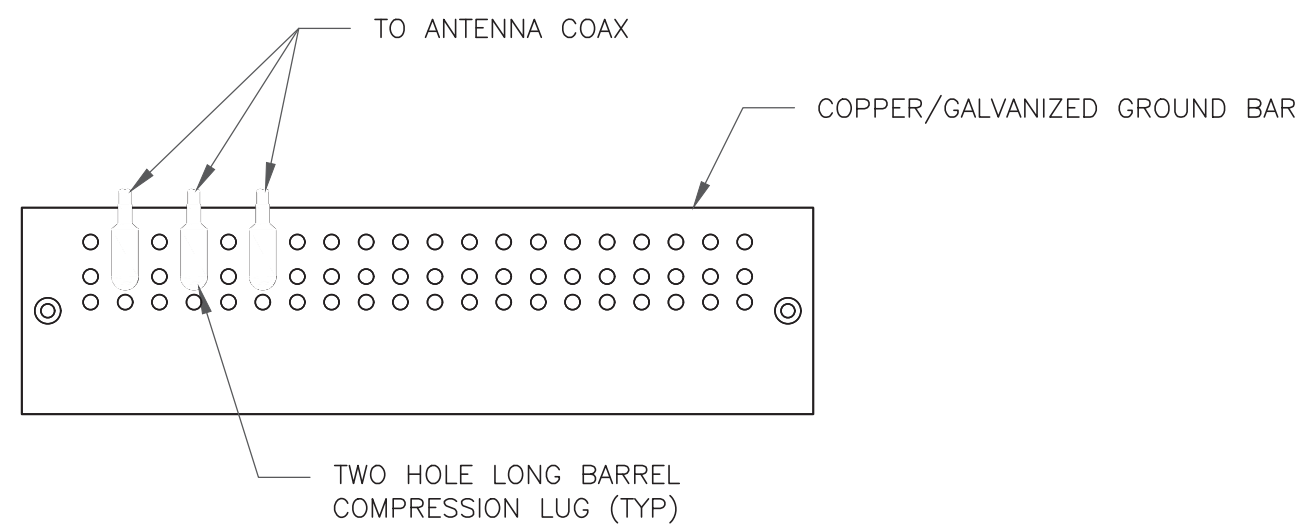
Diagram shows antenna port configuration as viewed from below antennas.

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

Cap and weatherproof unused antenna ports.

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

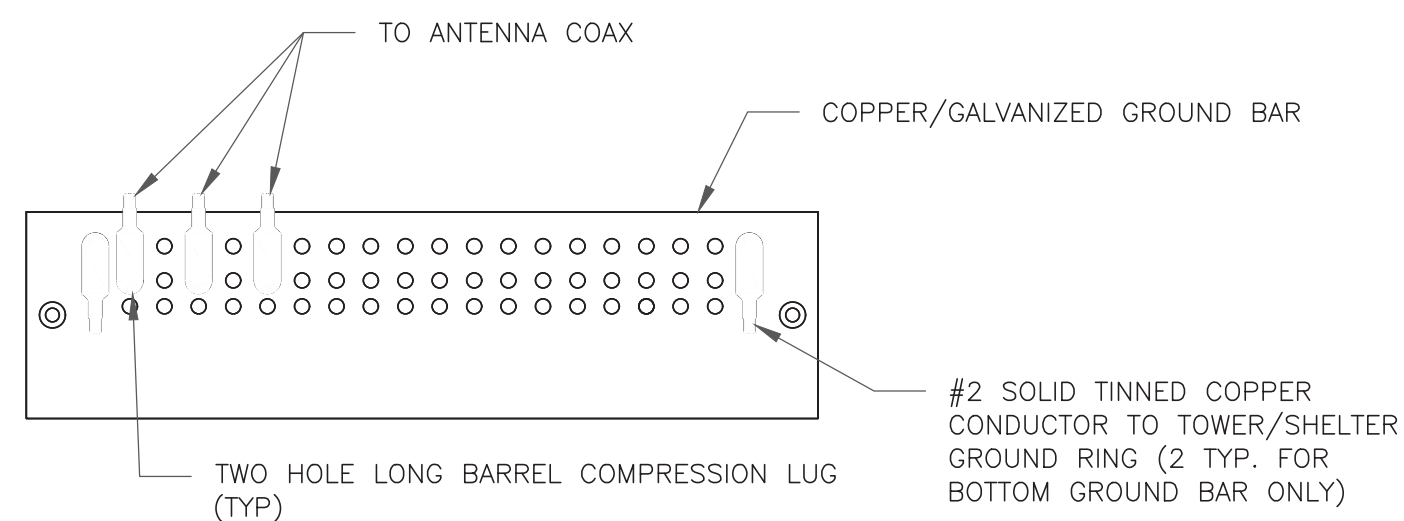
1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE



NOTES:

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

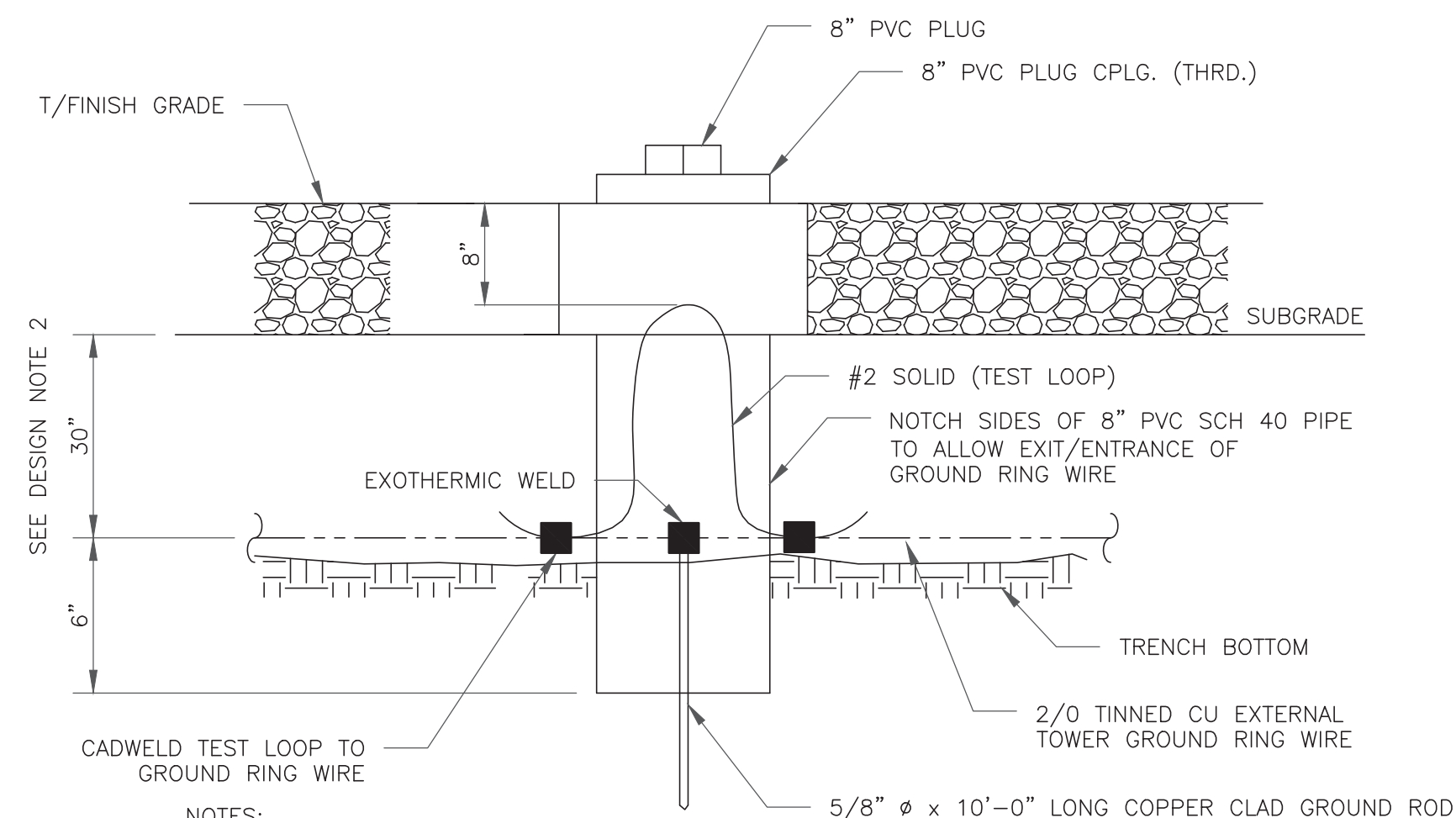
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

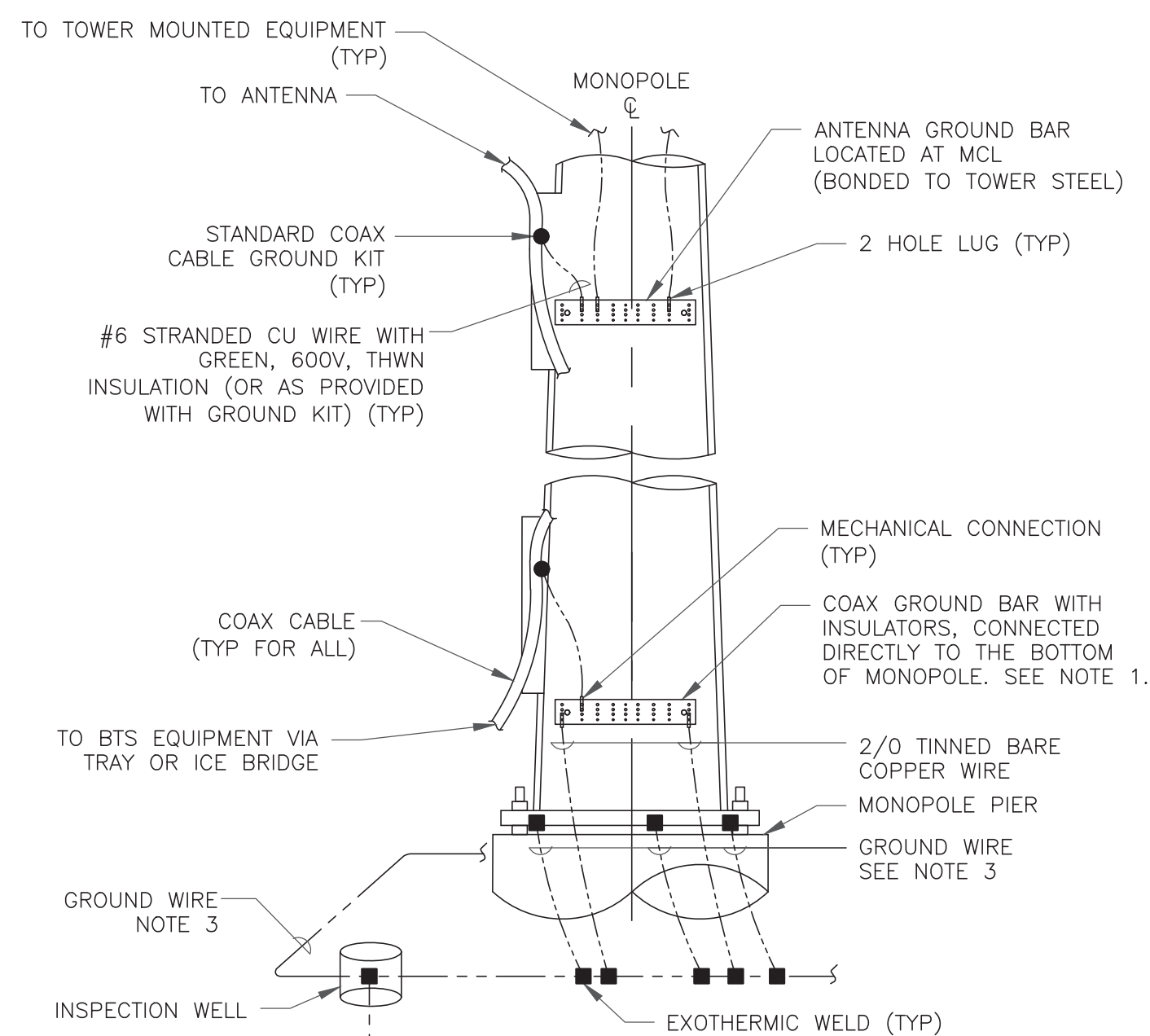
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

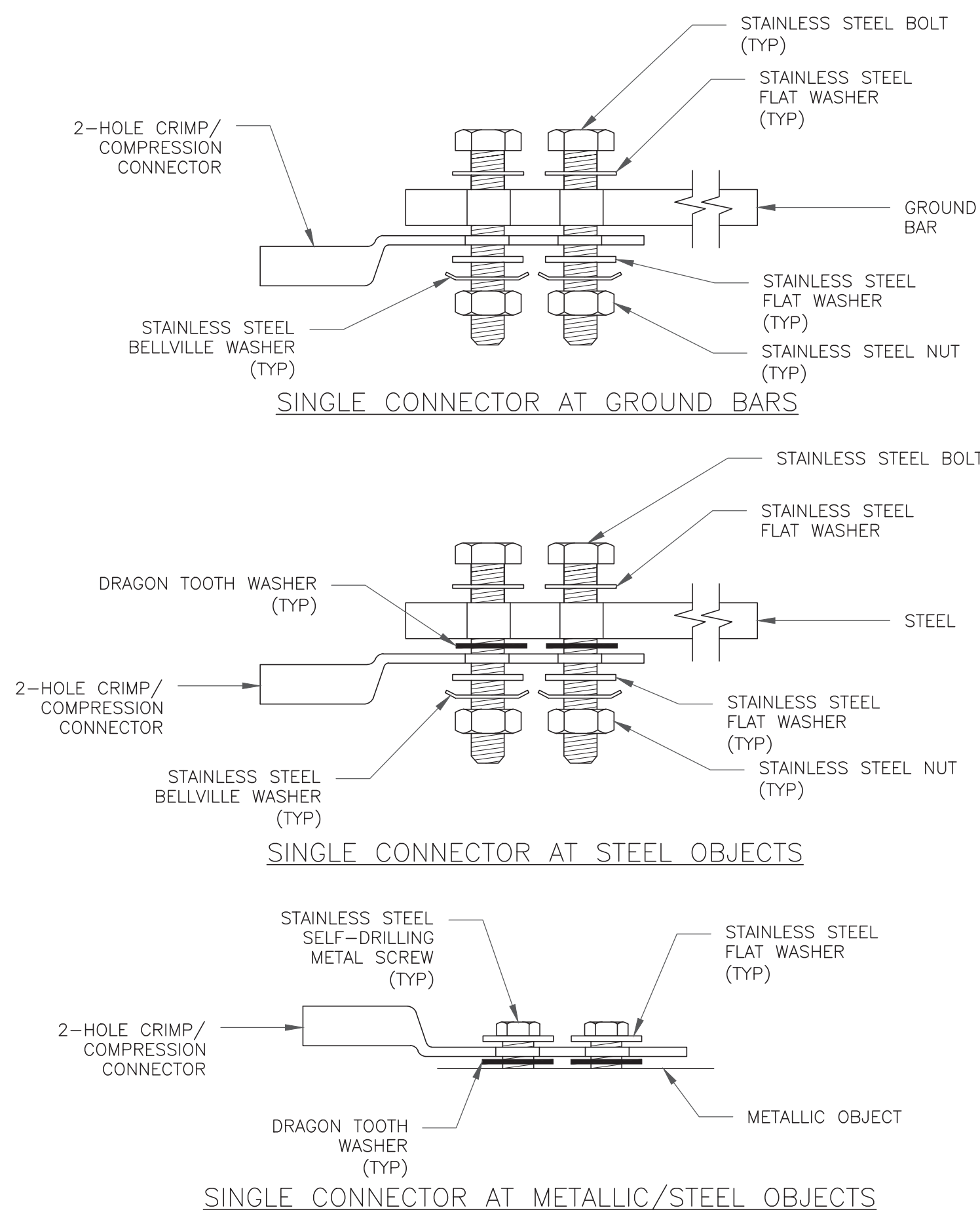
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



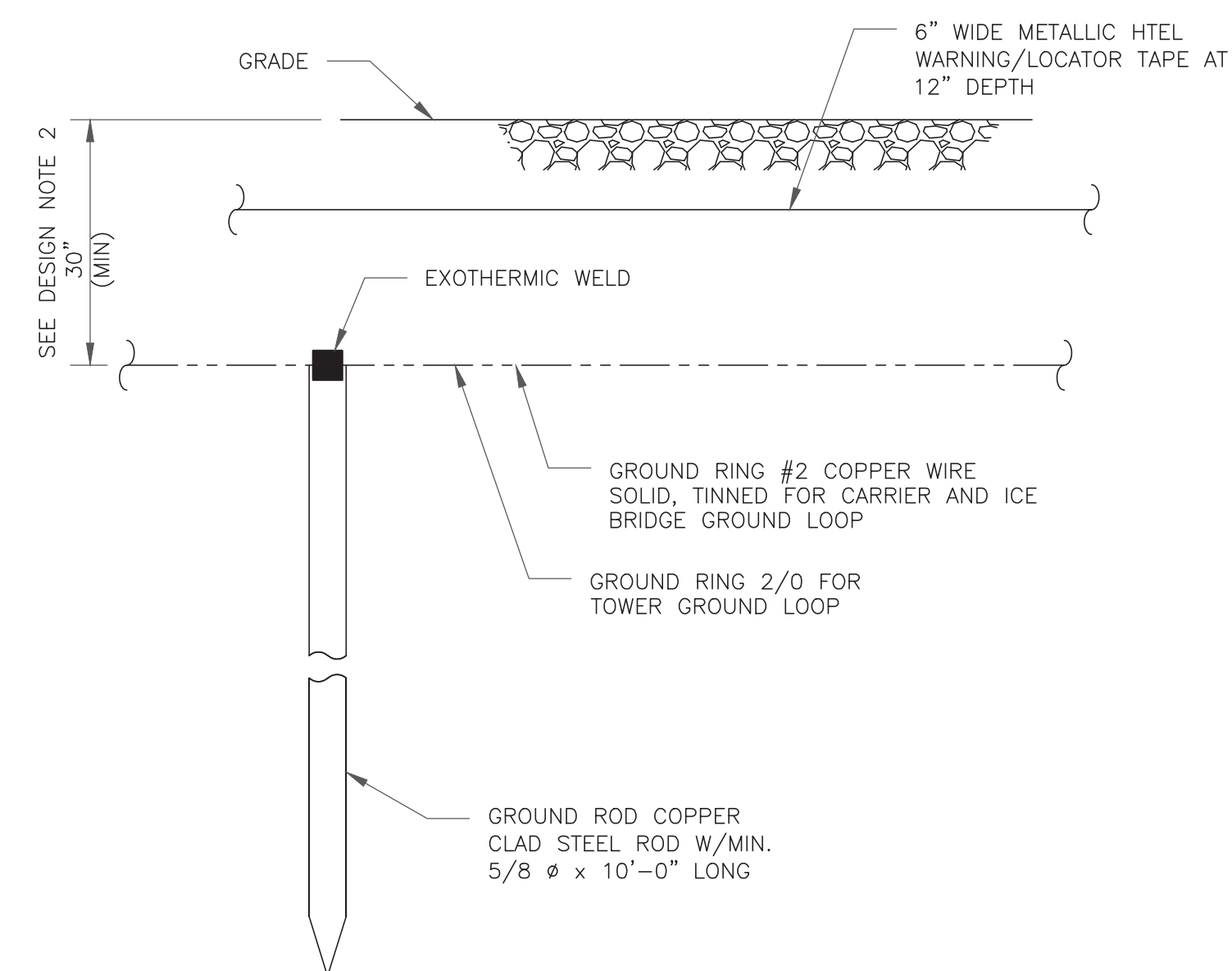
NOTES:

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

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
467220

BU #: 803934
CT SOMERS FD CAC

400 MAIN STREET
SOMERS, CT 06071

EXISTING 187'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	11/3/21	JJR	CONSTRUCTION	JJR
1	3/4/22	GAC	CONSTRUCTION	LR



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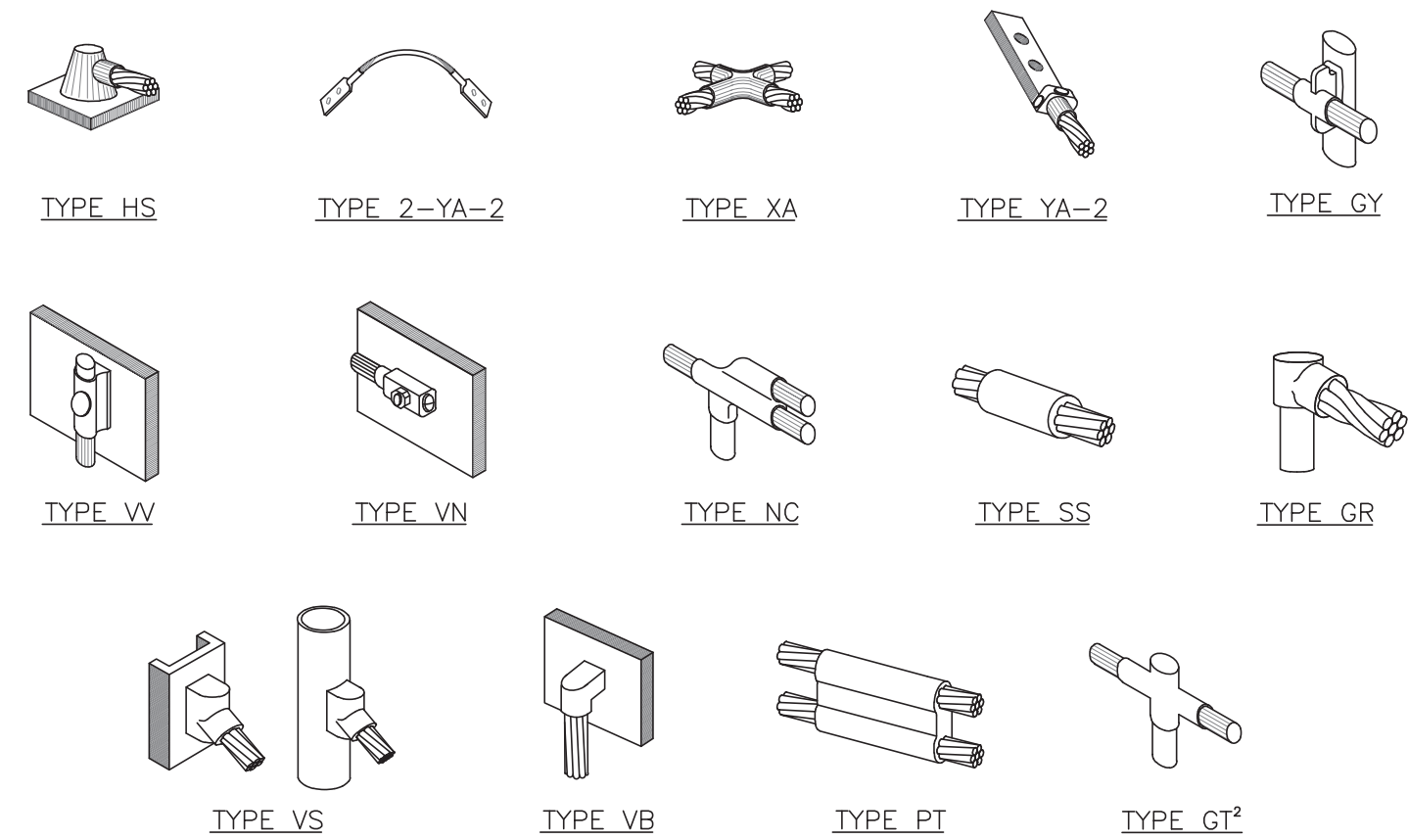
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REVISION:

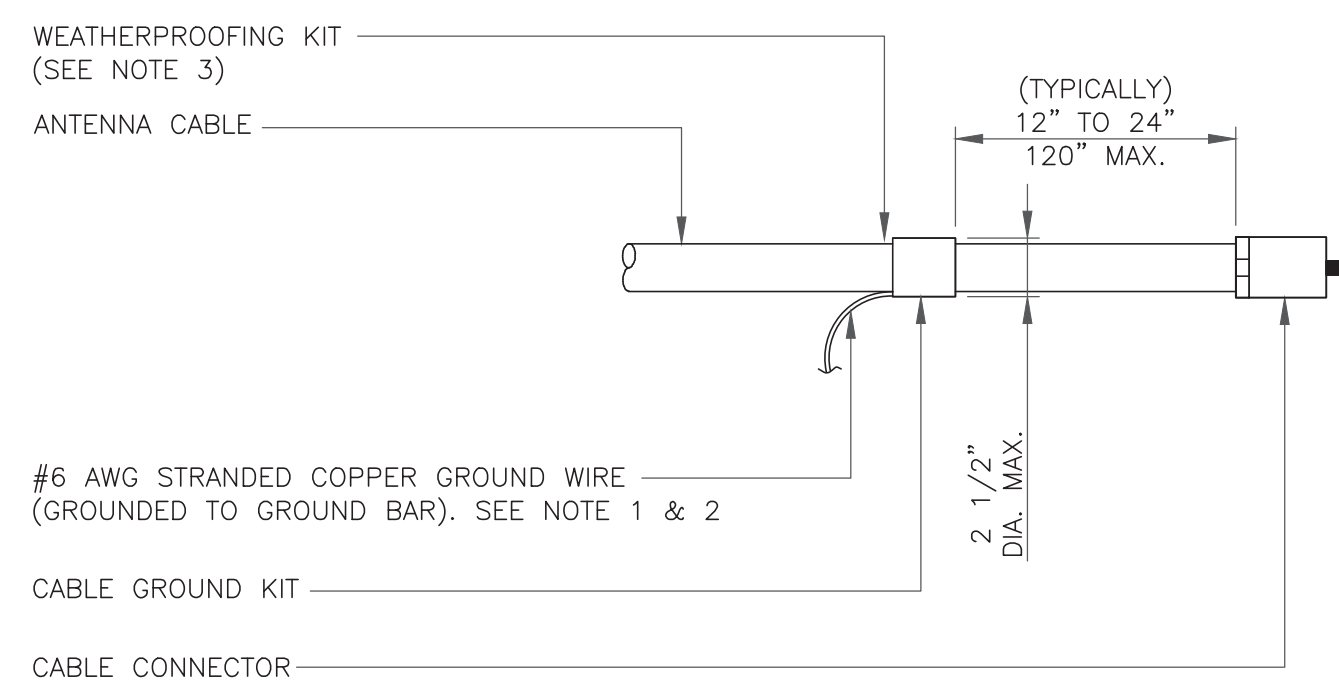
1



NOTE:

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

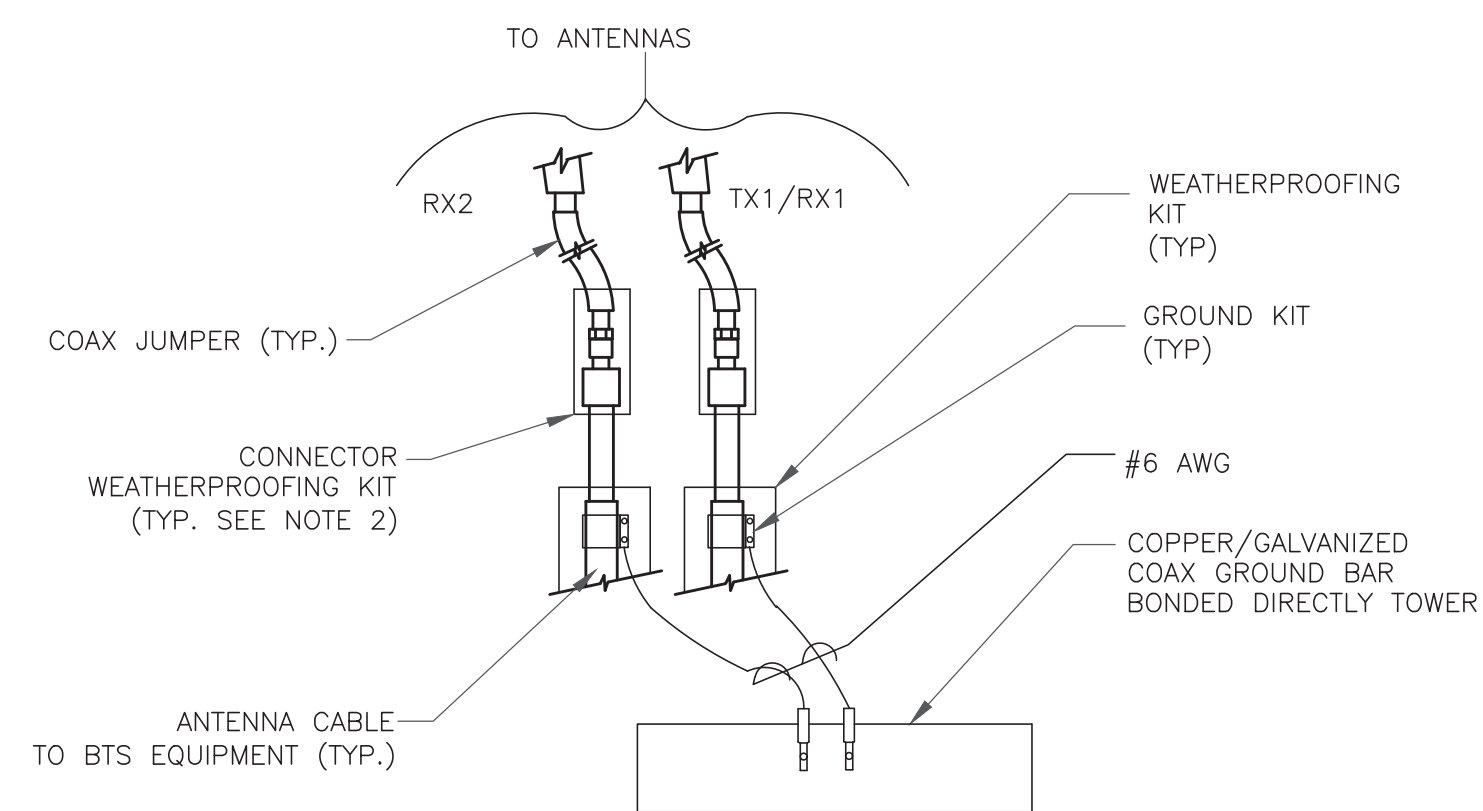
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

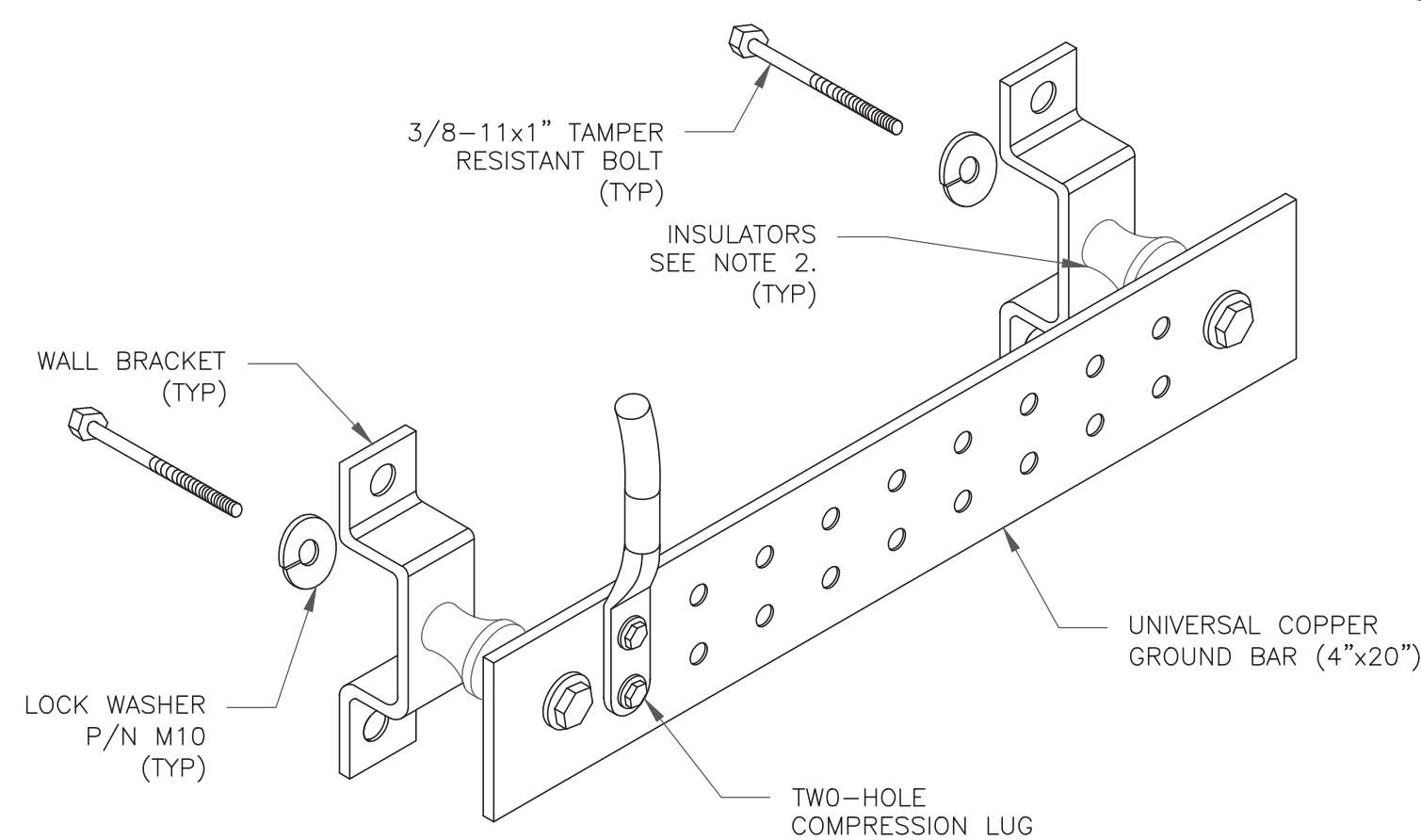
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

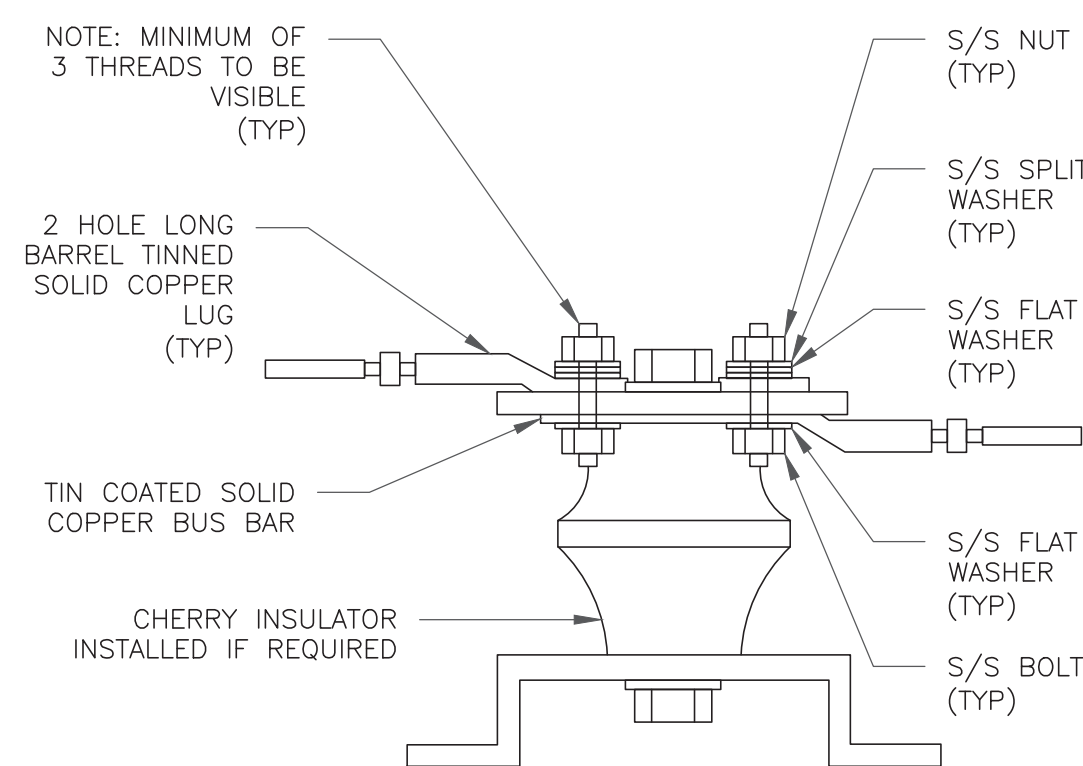
4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



NOTES:

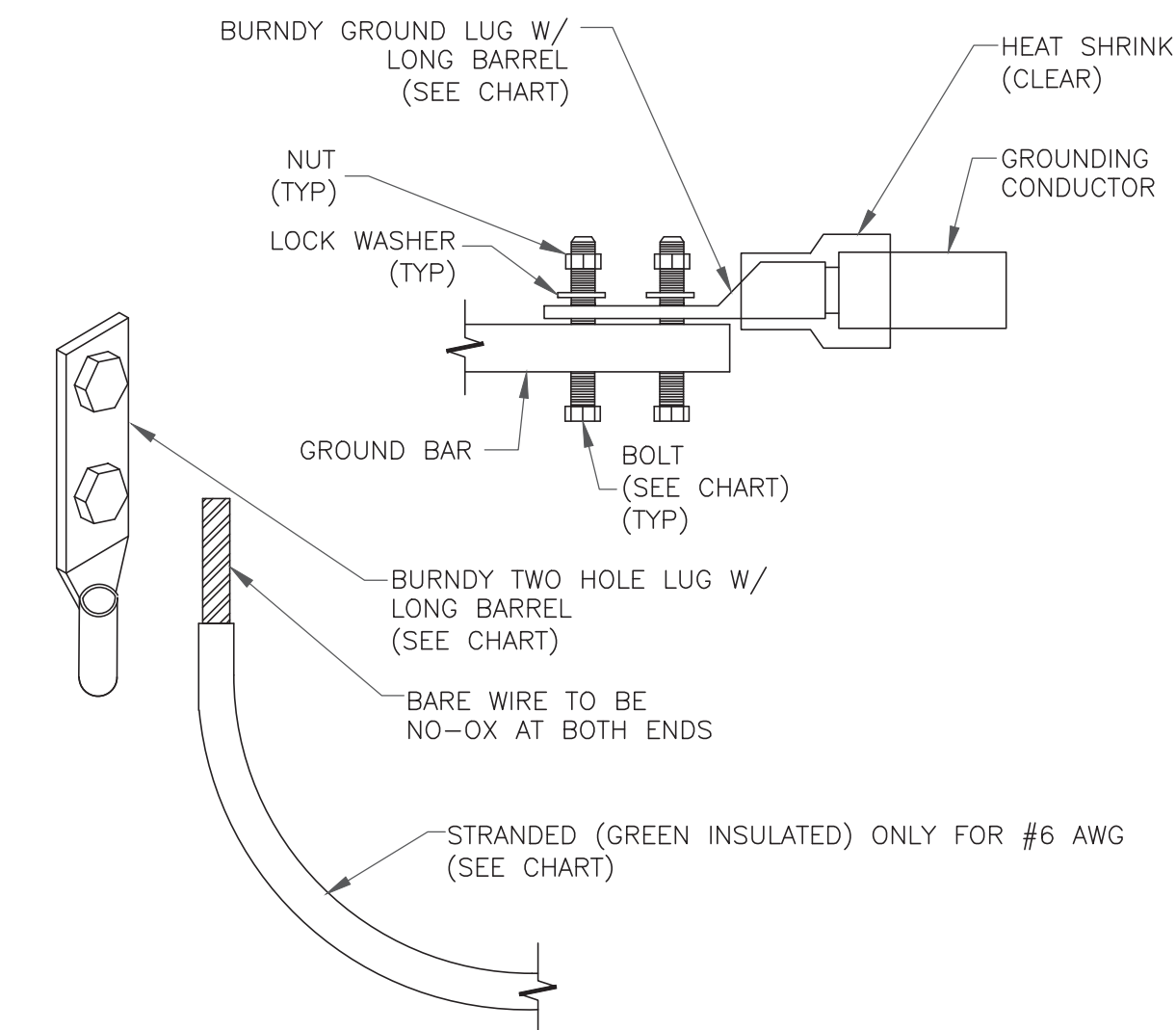
1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
2. OMIT INSULATOR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

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE

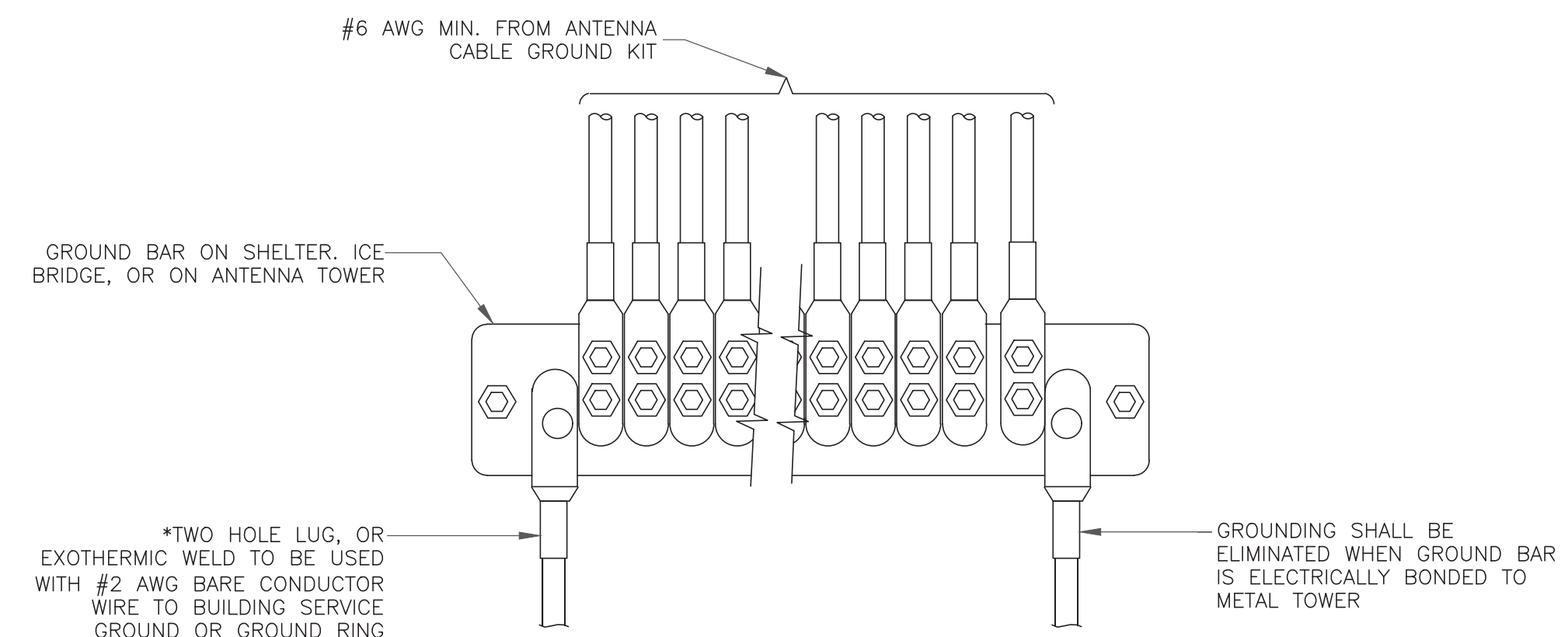
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



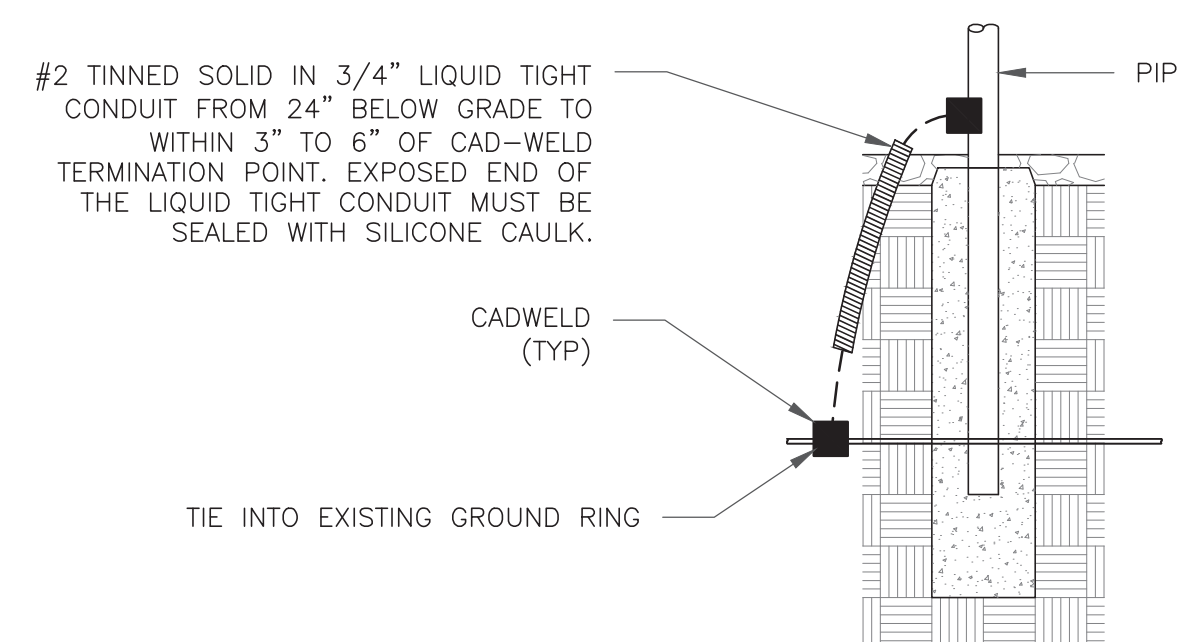
NOTES:

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

2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE



VERIZON SITE NUMBER:
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CT SOMERS FD CAC

400 MAIN STREET
SOMERS, CT 06071

EXISTING 187'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DWG./QA
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1	3/4/22	GAC	CONSTRUCTION	LR

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SHEET NUMBER: G-2	REVISION: 1
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Exhibit C

Structural Analysis Report



Date: **September 08, 2021**

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

Subject: **Structural Analysis Report**

Carrier Designation: **Verizon Wireless Co-Locate**
Site Number: 467220
Site Name: SOMERS 2 CT

Crown Castle Designation: **BU Number:** 803934
Site Name: CT SOMERS FD CAC
JDE Job Number: 686046
Work Order Number: 2018814
Order Number: 586109 Rev. 0

Engineering Firm Designation: **B+T Group Project Number:** 87311.010.01

Site Data: **400 Main Street, Somers, Tolland County, CT**
Latitude 41° 59' 1.48", Longitude -72° 27' 56.87"
187 Foot - Monopole

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

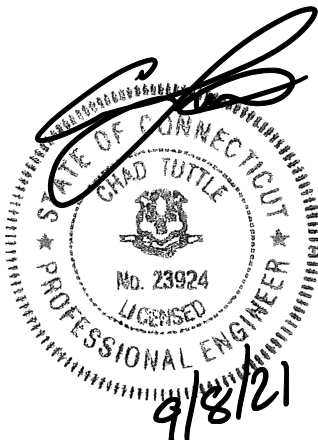
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC5: Proposed Equipment Configuration **Sufficient Capacity - 72.0%**

This analysis utilizes an ultimate 3-second gust wind speed of 117 mph as required by the 2015 International Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Massood Sattari, EIT

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



Chad E. Tuttle, P.E.

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 - LC5

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 187 ft. Monopole designed by Summit Manufacturing.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	117 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
175.0	175.0	2	Antel	LPA-80063/4CF	13	1-5/8
		4	Antel	LPA-80080-4CF-EDIN-0		
		6	Commscope	NHH-65B-R2B		
		1	Raycap	RVZDC-6627-PF-48		
		3	Samsung Telecom	MT6407-77A		
		3	Samsung Telecom	RF4439D-25A		
		3	Samsung Telecom	RF4440D-13A		
		1	--	Platform Mount [LP 1201-1]		
3	--	BSAMNT-SBS-1-2				

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)
188.0	193.0	1	Andrew	DB404L-B	4 1	1-1/4 7/8
	190.0	3	Alcatel Lucent	TD-RRH8X20-25		
		2	RFS Celwave	APXVSP18-C-A20		
	188.0	1	RFS Celwave	APXVSP18-C-A20		
		1	--	Platform Mount [LP 1201-1]		
186.0	3	RFS Celwave	APXVTM14-C-120			
186.0	186.0	3	Alcatel Lucent	800MHZ 2X50W RRH W/FILTER	--	--
		3	Alcatel Lucent	PCS 1900MHz 4x45W-65MHz		
		1	--	Side Arm Mount [SO 102-3]		
177.0	177.0	3	Alcatel Lucent	TME-RRH2X40 700	--	--
		1	--	Side Arm Mount [SO 102-3]		
165.0	165.0	3	Ericsson	RADIO 4415 B66A_CCIV3	3	1-5/8
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	Ericsson	RRUS 4415 B25_CCIV2		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		3	RFS Celwave	APX16DWV-16DWV-S-E-A20		
		3	RFS Celwave	APXVAALL24_43-U-NA20_TMO		
		1	--	Platform Mount [LP 1201-1_HR-1]		
154.0	157.0	3	CCI Antennas	DMP65R-BU8D	6 4 2 6	1-5/8 3/4 3/8 5/16
		3	CCI Antennas	HPA65R-BU8A		
		3	CCI Antennas	OPA65R-BU8D		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 4478 B14_CCIV2		
		3	Ericsson	RRUS 8843 B2/B66A_CCIV2		
		3	Kathrein	800 10121		
		6	Powerwave Tech.	LGP21401		
	2	Raycap	DC6-48-60-18-8F			
	154.0	1	--	Sector Mount [SM 502-3]		
150.0	150.0	3	RFS Celwave	APXV18-206517S-C	6	1-5/8
120.0	125.0	1	Sinclair	SD212-SF2P2SNM	1	7/8
	120.0	1	--	Side Arm Mount [SO 702-1]		
115.0	115.0	1	Sinclair	SD110-SFXPASNM	1	1/2
81.0	82.0	1	Telewave	ANT450D3	1	7/8
	81.0	1	--	Side Arm Mount [SO 309-1]		
48.0	48.0	1	Lucent	KS24019-L112A	1	1/2
		1	--	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	419873	CCI Sites
Foundation Drawing	1058248	CCI Sites
Geotech Report	1095648	CCI Sites
Crown CAD Package	Date: 09/02/2021	CCI Sites

3.1) Analysis Method

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

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	187 - 136	Pole	TP36.201x26x0.25	1	-21.736	1708.402	52.8	Pass
L2	136 - 89.5	Pole	TP45.003x34.801x0.375	2	-33.303	3178.707	60.2	Pass
L3	89.5 - 44.25	Pole	TP53.304x43.103x0.438	3	-49.497	4394.155	64.8	Pass
L4	44.25 - 0	Pole	TP61.28x51.079x0.5	4	-73.340	5924.929	64.5	Pass
							Summary	
						Pole (L3)	64.8	Pass
						Rating =	64.8	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC5

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	Base	61.6	Pass
1,2	Base Plate	Base	43.6	Pass
1,2	Base Foundation (Structure)	Base	72.0	Pass
1,2	Base Foundation (Soil Interaction)	Base	53.7	Pass

Structure Rating (max from all components) =	72.0%
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Notes:

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

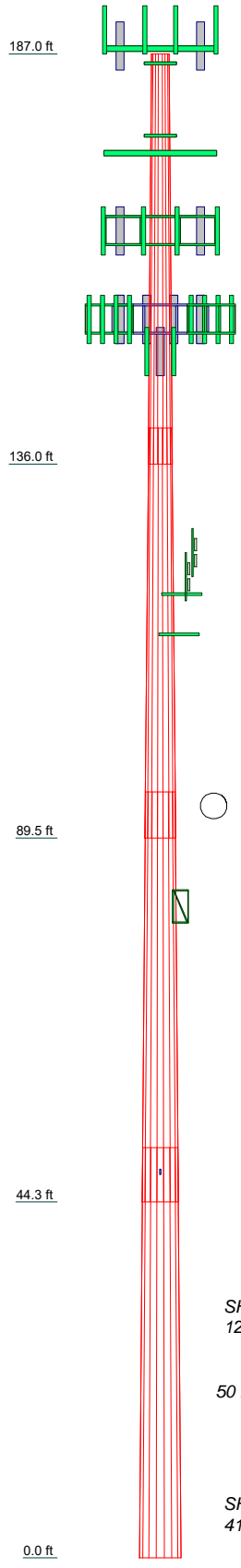
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	1	2	3	4	
Length (ft)	51.000	51.000	51.000	51.000	
Number of Sides	18	18	18	18	
Thickness (in)	0.250	0.375	0.438	0.500	
Socket Length (ft)	4.500	5.750	6.750	6.750	
Top Dia (in)	26.000	34.801	43.103	51.079	
Bot Dia (in)	36.201	45.003	53.304	61.280	
Grade		A607-65			
Weight (K)	4.2	8.2	11.5	15.3	39.3



187.0 ft
136.0 ft
89.5 ft
44.3 ft
0.0 ft

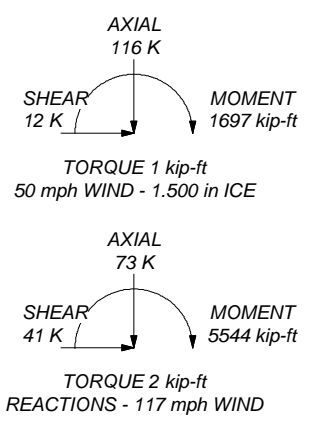
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A607-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in Tolland County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 117 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 64.8%

ALL REACTIONS ARE FACTORED



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

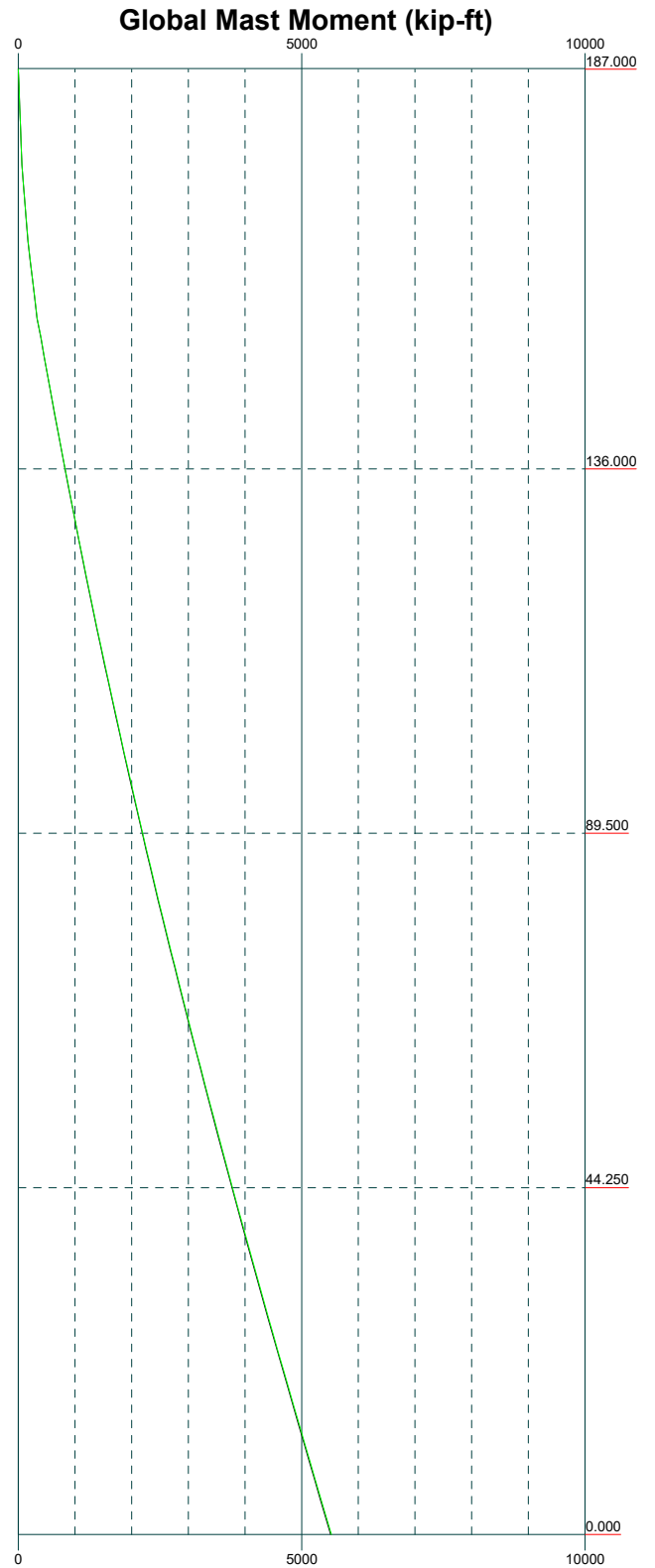
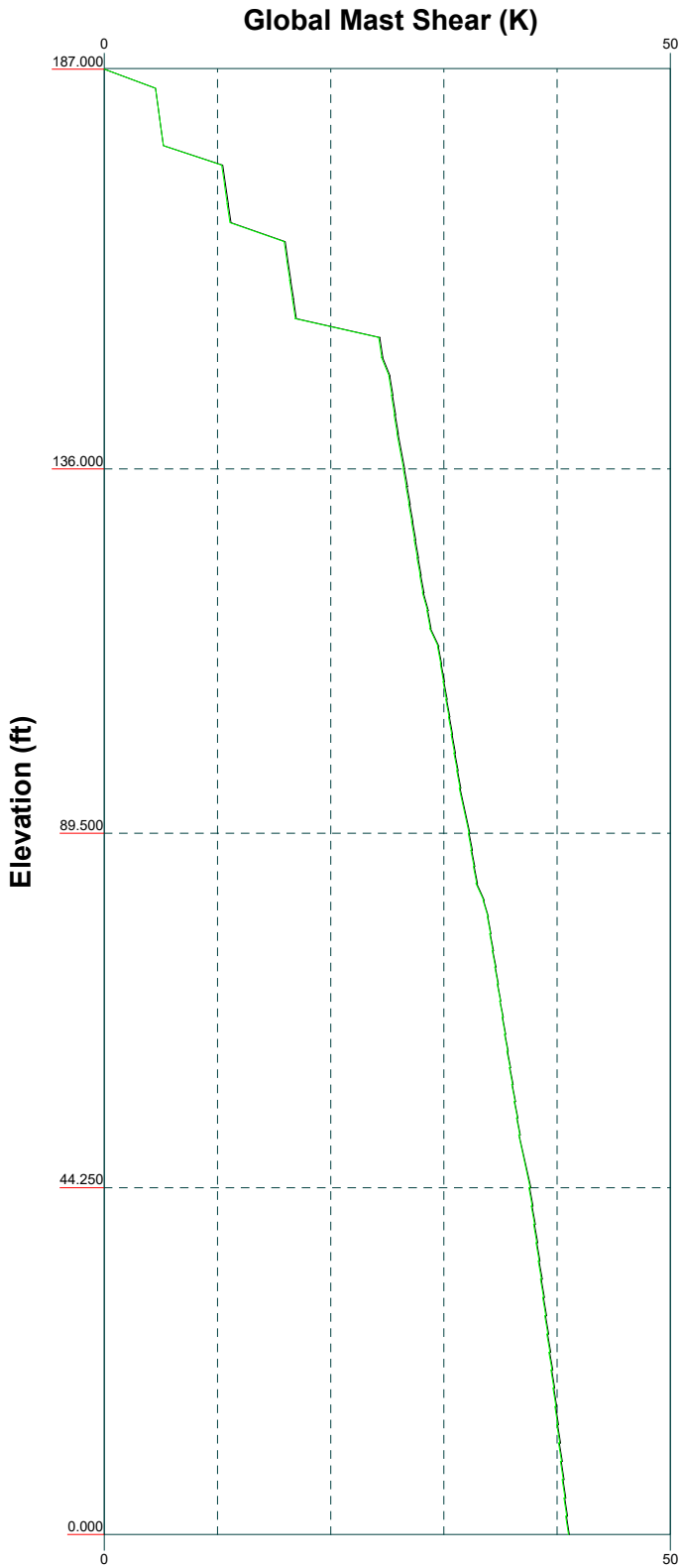
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Project:			
Client: Crown Castle	Drawn by: JD Prabhu	App'd:	
Code: TIA-222-H	Date: 09/08/21	Scale: NTS	
Path:	Dwg No. E-1		

Vx

Vz

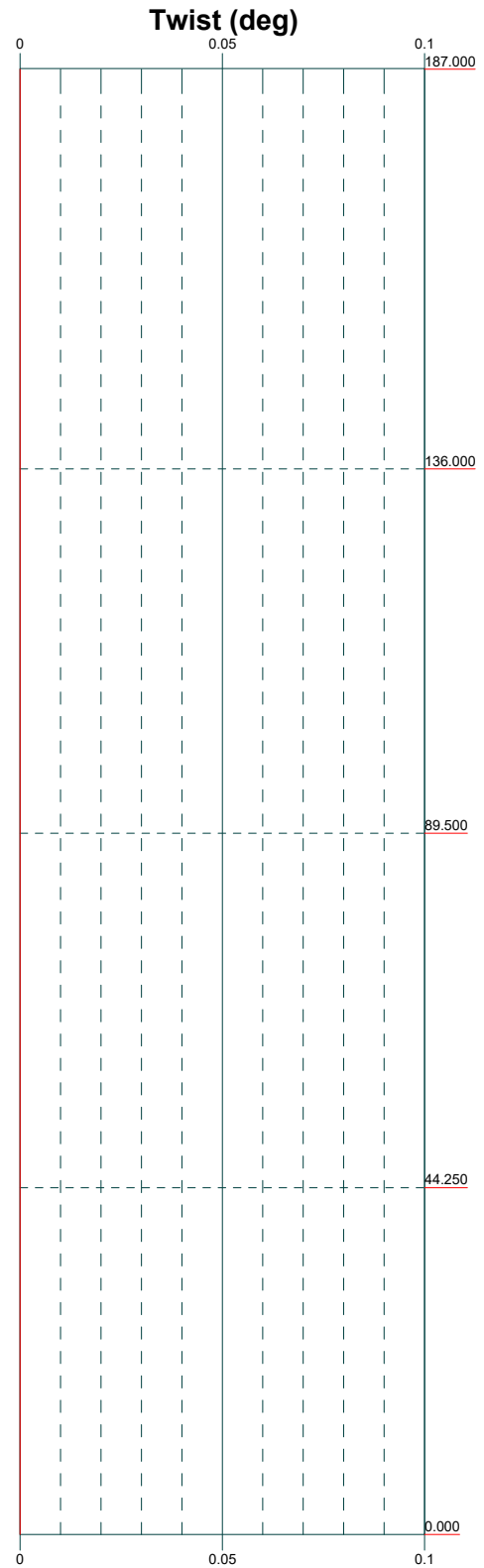
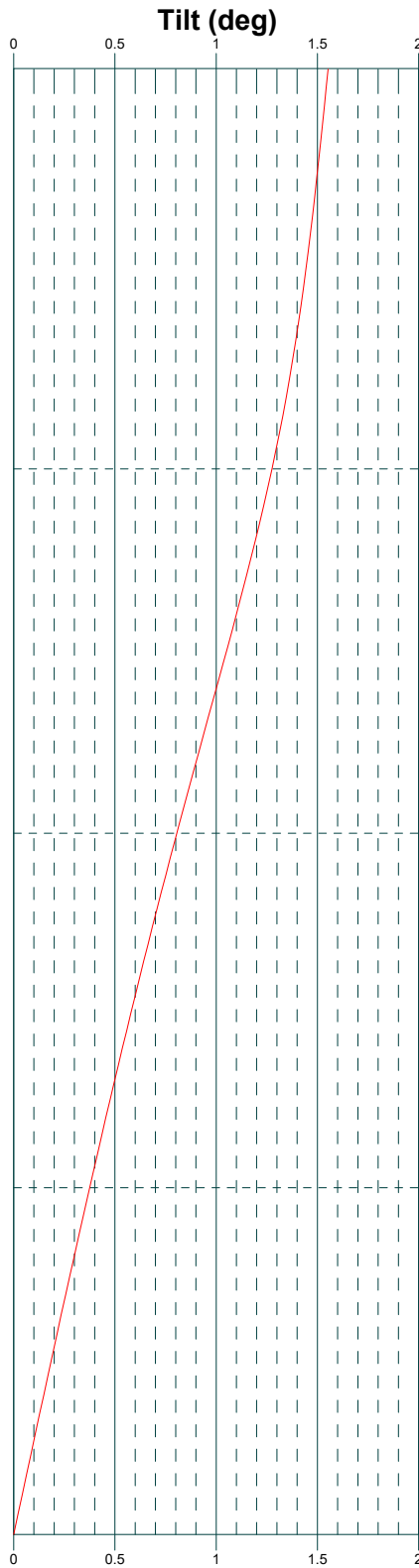
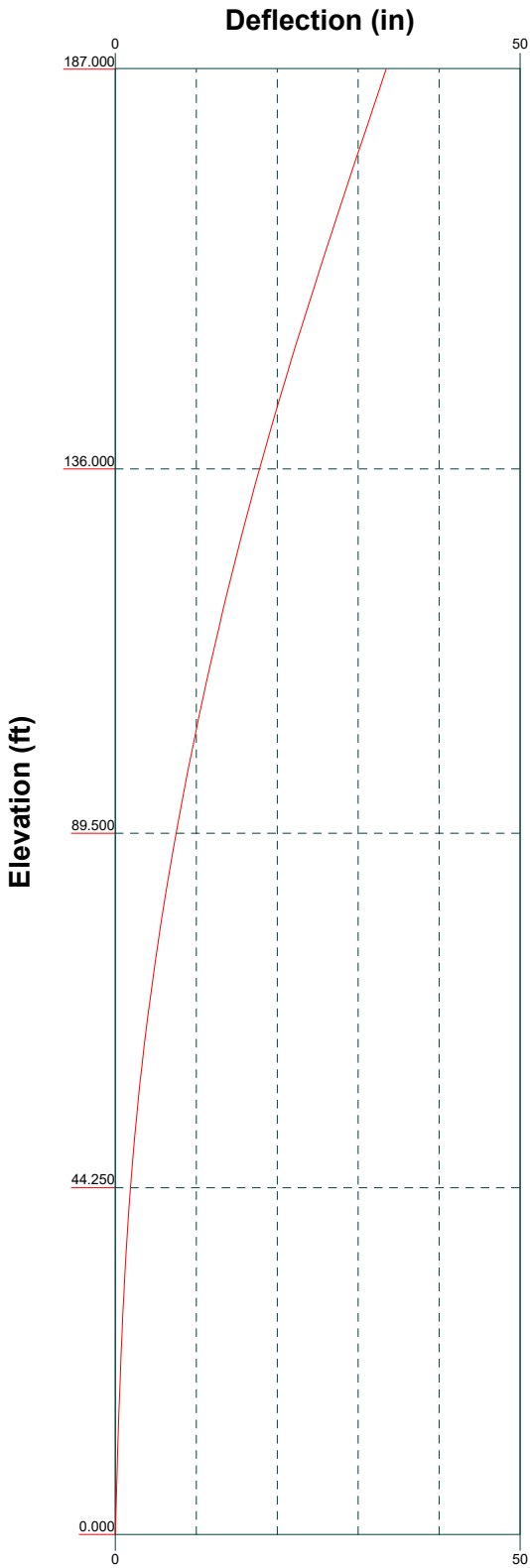
Mx

Mz



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

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Project:		
Client: Crown Castle	Drawn by: JD Prabhu	App'd:
Code: TIA-222-H	Date: 09/08/21	Scale: NTS
Path:	Dwg No. E-4	



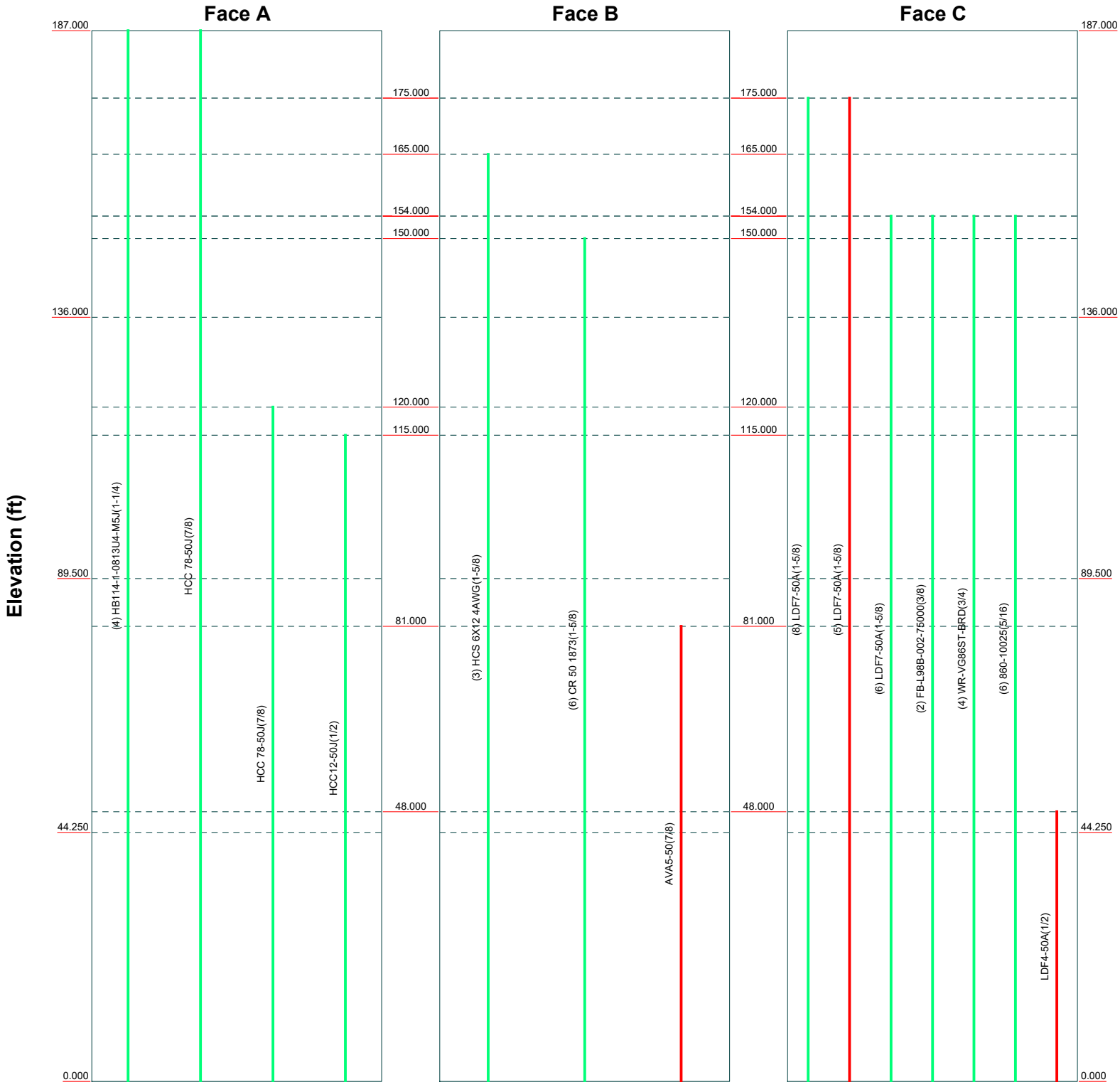
B+T Group
 1717 S. Boulder, Suite 300
 Tulsa, OK 74119
 Phone: (918) 587-4630
 FAX: (918) 295-0265


Job: 87311.010.01 - CT SOMERS FD CAC, CT (BU# 80393)		
Project:		
Client: Crown Castle	Drawn by: JD Prabhu	App'd:
Code: TIA-222-H	Date: 09/08/21	Scale: NTS
Path:	Dwg No. E-5	

Feed Line Distribution Chart

0' - 187'

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




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

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Project:		
Client: Crown Castle	Drawn by: JD Prabhu	App'd:
Code: TIA-222-H	Date: 09/08/21	Scale: NTS
Path:	Dwg No. E-7	

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	Project	Date 18:12:07 09/08/21
	Client Crown Castle	Designed by JD Prabhu

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 Tolland County, Connecticut.
- Tower base elevation above sea level: 198.000 ft.
- Basic wind speed of 117 mph.
- Risk Category II.
- Exposure Category C.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.000 ft.
- Nominal ice thickness of 1.500 in.
- Ice thickness is considered to increase with height.
- Ice density of 56.000 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50.000 °F.
- Deflections calculated using a wind speed of 60 mph.
- TIA-222-H Annex S.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

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	Project	Date 18:12:07 09/08/21
	Client Crown Castle	Designed by JD Prabhu

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	187.000-136.000	51.000	4.500	18	26.000	36.201	0.250	1.000	A607-65 (65 ksi)
L2	136.000-89.500	51.000	5.750	18	34.801	45.003	0.375	1.500	A607-65 (65 ksi)
L3	89.500-44.250	51.000	6.750	18	43.103	53.304	0.438	1.750	A607-65 (65 ksi)
L4	44.250-0.000	51.000		18	51.079	61.280	0.500	2.000	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	I ² /Q in ²	w in	w/t
L1	26.363	20.433	1711.654	9.141	13.208	129.592	3425.561	10.218	4.136	16.544
	36.721	28.527	4658.191	12.763	18.390	253.299	9322.512	14.266	5.931	23.726
L2	36.194	40.975	6135.246	12.221	17.679	347.039	12278.566	20.492	5.465	14.573
	45.639	53.118	13365.891	15.843	22.862	584.646	26749.369	26.564	7.261	19.361
L3	44.868	59.246	13625.291	15.146	21.896	622.267	27268.510	29.629	6.816	15.58
	54.059	73.412	25921.737	18.768	27.078	957.284	51877.583	36.713	8.612	19.683
L4	53.161	80.269	25943.042	17.955	25.948	999.807	51920.220	40.142	8.110	16.22
	62.148	96.458	45019.064	21.577	31.130	1446.152	90097.366	48.238	9.905	19.811

Tower Elevation ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _f	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
187.000-136.000				1	1	1			
136.000-89.500				1	1	1			
89.500-44.250				1	1	1			
44.250-0.000				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
* LDF7-50A(1-5/8)	C	No	Surface Ar (CaAa)	175.000 - 0.000	5	5	0.300 - 0.400	1.980		0.001
* AVA5-50(7/8)	B	No	Surface Ar	81.000 -	1	1	-0.220	1.102		0.000

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	Project	Date 18:12:07 09/08/21
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Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
*			(CaAa)	0.000			-0.200			
LDF4-50A(1/2)	C	No	Surface Ar (CaAa)	48.000 - 0.000	1	1	0.250 0.260	0.630		0.000
*										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _{AA} ft ² /ft	Weight klf
HB114-1-0813U4-M 5J(1-1/4)	A	No	No	Inside Pole	187.000 - 0.000	4	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
*									
HCC 78-50J(7/8)	A	No	No	Inside Pole	187.000 - 0.000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
LDF7-50A(1-5/8)	C	No	No	Inside Pole	175.000 - 0.000	8	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
*									
HCS 6X12 4AWG(1-5/8)	B	No	No	Inside Pole	165.000 - 0.000	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.002 0.002 0.002 0.002
*									
LDF7-50A(1-5/8)	C	No	No	Inside Pole	154.000 - 0.000	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
FB-L98B-002-75000 (3/8)	C	No	No	Inside Pole	154.000 - 0.000	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	154.000 - 0.000	4	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
860-10025(5/16)	C	No	No	Inside Pole	154.000 - 0.000	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000
*									
CR 50 1873(1-5/8)	B	No	No	Inside Pole	150.000 - 0.000	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
*									
HCC 78-50J(7/8)	A	No	No	Inside Pole	120.000 - 0.000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001

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	Project	Date 18:12:07 09/08/21
	Client Crown Castle	Designed by JD Prabhu

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C _{AA}	Weight	
							ft ² /ft	klf	
*									
HCC12-50J(1/2)	A	No	No	Inside Pole	115.000 - 0.000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000
*									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	187.000-136.000	A	0.000	0.000	0.000	0.000	0.272
		B	0.000	0.000	0.000	0.000	0.279
		C	0.000	0.000	38.610	0.000	0.549
L2	136.000-89.500	A	0.000	0.000	0.000	0.000	0.270
		B	0.000	0.000	0.000	0.000	0.566
		C	0.000	0.000	46.035	0.000	0.839
L3	89.500-44.250	A	0.000	0.000	0.000	0.000	0.276
		B	0.000	0.000	4.050	0.000	0.562
		C	0.000	0.000	45.034	0.000	0.817
L4	44.250-0.000	A	0.000	0.000	0.000	0.000	0.270
		B	0.000	0.000	4.876	0.000	0.552
		C	0.000	0.000	46.595	0.000	0.805

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	187.000-136.000	A	1.493	0.000	0.000	0.000	0.000	0.272
		B		0.000	0.000	0.000	0.000	0.279
		C		0.000	0.000	62.822	0.000	1.205
L2	136.000-89.500	A	1.441	0.000	0.000	0.000	0.000	0.270
		B		0.000	0.000	0.000	0.000	0.566
		C		0.000	0.000	74.904	0.000	1.622
L3	89.500-44.250	A	1.368	0.000	0.000	0.000	0.000	0.276
		B		0.000	0.000	14.640	0.000	0.727
		C		0.000	0.000	73.614	0.000	1.564
L4	44.250-0.000	A	1.227	0.000	0.000	0.000	0.000	0.270
		B		0.000	0.000	16.981	0.000	0.735
		C		0.000	0.000	84.782	0.000	1.631

Feed Line Center of Pressure

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job 87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)	Page 5 of 21
	Project	Date 18:12:07 09/08/21
	Client Crown Castle	Designed by JD Prabhu

Section	Elevation	CP _x	CP _z	CP _x	CP _z
	ft	in	in	Ice in	Ice in
L1	187.000-136.000	-3.245	3.604	-2.738	3.041
L2	136.000-89.500	-4.030	4.476	-3.451	3.832
L3	89.500-44.250	-3.808	4.135	-2.937	3.094
L4	44.250-0.000	-3.980	4.406	-3.333	3.789

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	8	LDF7-50A(1-5/8)	136.00 - 175.00	1.0000	1.0000
L2	8	LDF7-50A(1-5/8)	89.50 - 136.00	1.0000	1.0000
L3	8	LDF7-50A(1-5/8)	44.25 - 89.50	1.0000	1.0000
L3	27	AVA5-50(7/8)	44.25 - 81.00	1.0000	1.0000
L3	29	LDF4-50A(1/2)	44.25 - 48.00	1.0000	1.0000
L4	8	LDF7-50A(1-5/8)	0.00 - 44.25	1.0000	1.0000
L4	27	AVA5-50(7/8)	0.00 - 44.25	1.0000	1.0000
L4	29	LDF4-50A(1/2)	0.00 - 44.25	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K	
Town of Somers									
DB404L-B	A	From Leg	4.000 0.000 5.000	0.000	188.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.140 2.052 2.964 4.788	1.140 2.052 2.964 4.788	0.014 0.018 0.022 0.031
Sprint									
APXVSP18-C-A20 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	188.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.600 5.050 5.500 6.440	4.010 4.450 4.890 5.820	0.095 0.160 0.235 0.419
APXVSP18-C-A20 w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	188.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.600 5.050 5.500 6.440	4.010 4.450 4.890 5.820	0.095 0.160 0.235 0.419
APXVSP18-C-A20 w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	188.000	No Ice 1/2" Ice 1" Ice	4.600 5.050 5.500	4.010 4.450 4.890	0.095 0.160 0.235

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job 87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)	Page 6 of 21
	Project	Date 18:12:07 09/08/21
	Client Crown Castle	Designed by JD Prabhu

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment °	Placement ft	C _{AA}		Weight K	
			Horz Lateral ft	Vert ft			Front ft ²	Side ft ²		
APXVTM14-C-120 w/ Mount Pipe	A	From Leg	4.000	0.000	0.000	188.000	2" Ice	6.440	5.820	0.419
			0.000				No Ice	4.090	2.860	0.077
			-2.000				1/2" Ice	4.480	3.230	0.127
							1" Ice	4.880	3.610	0.185
APXVTM14-C-120 w/ Mount Pipe	B	From Leg	4.000	0.000	0.000	188.000	2" Ice	5.710	4.400	0.331
			0.000				No Ice	4.090	2.860	0.077
			-2.000				1/2" Ice	4.480	3.230	0.127
							1" Ice	4.880	3.610	0.185
APXVTM14-C-120 w/ Mount Pipe	C	From Leg	4.000	0.000	0.000	188.000	2" Ice	5.710	4.400	0.331
			0.000				No Ice	4.090	2.860	0.077
			-2.000				1/2" Ice	4.480	3.230	0.127
							1" Ice	4.880	3.610	0.185
TD-RRH8X20-25	A	From Leg	4.000	0.000	0.000	188.000	2" Ice	5.710	4.400	0.331
			0.000				No Ice	4.045	1.535	0.070
			2.000				1/2" Ice	4.298	1.714	0.097
							1" Ice	4.557	1.901	0.128
TD-RRH8X20-25	B	From Leg	4.000	0.000	0.000	188.000	2" Ice	5.098	2.295	0.201
			0.000				No Ice	4.045	1.535	0.070
			2.000				1/2" Ice	4.298	1.714	0.097
							1" Ice	4.557	1.901	0.128
TD-RRH8X20-25	C	From Leg	4.000	0.000	0.000	188.000	2" Ice	5.098	2.295	0.201
			0.000				No Ice	4.045	1.535	0.070
			2.000				1/2" Ice	4.298	1.714	0.097
							1" Ice	4.557	1.901	0.128
(3) 6' x 2" Mount Pipe	A	From Leg	4.000	0.000	0.000	188.000	2" Ice	5.098	2.295	0.201
			0.000				No Ice	1.425	1.425	0.022
			0.000				1/2" Ice	1.925	1.925	0.033
							1" Ice	2.294	2.294	0.048
(3) 6' x 2" Mount Pipe	B	From Leg	4.000	0.000	0.000	188.000	2" Ice	3.060	3.060	0.090
			0.000				No Ice	1.425	1.425	0.022
			0.000				1/2" Ice	1.925	1.925	0.033
							1" Ice	2.294	2.294	0.048
(3) 6' x 2" Mount Pipe	C	From Leg	4.000	0.000	0.000	188.000	2" Ice	3.060	3.060	0.090
			0.000				No Ice	1.425	1.425	0.022
			0.000				1/2" Ice	1.925	1.925	0.033
							1" Ice	2.294	2.294	0.048
Platform Mount [LP 1201-1]	C	None		0.000	0.000	188.000	2" Ice	3.060	3.060	0.090
							No Ice	18.380	18.380	2.100
							1/2" Ice	22.110	22.110	2.652
							1" Ice	25.870	25.870	3.263
* PCS 1900MHz 4x45W-65MHz	A	From Leg	2.000	0.000	0.000	186.000	2" Ice	33.470	33.470	4.662
			0.000				No Ice	2.322	2.238	0.060
			0.000				1/2" Ice	2.527	2.441	0.083
							1" Ice	2.739	2.651	0.110
PCS 1900MHz 4x45W-65MHz	B	From Leg	2.000	0.000	0.000	186.000	2" Ice	3.185	3.093	0.173
			0.000				No Ice	2.322	2.238	0.060
			0.000				1/2" Ice	2.527	2.441	0.083
							1" Ice	2.739	2.651	0.110
PCS 1900MHz 4x45W-65MHz	C	From Leg	2.000	0.000	0.000	186.000	2" Ice	3.185	3.093	0.173
			0.000				No Ice	2.322	2.238	0.060
			0.000				1/2" Ice	2.527	2.441	0.083
							1" Ice	2.739	2.651	0.110
800MHZ 2X50W RRH W/FILTER	A	From Leg	2.000	0.000	0.000	186.000	2" Ice	3.185	3.093	0.173
			0.000				No Ice	2.058	1.932	0.064
			0.000				1/2" Ice	2.240	2.109	0.086
							1" Ice	2.429	2.293	0.111

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job		87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)		Page		7 of 21	
	Project				Date		18:12:07 09/08/21	
	Client		Crown Castle		Designed by		JD Prabhu	

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment °	Placement ft	C _{AA}		Weight K	
			Horz Lateral ft	Vert ft			Front ft ²	Side ft ²		
800MHZ 2X50W RRH W/FILTER	B	From Leg	2.000	0.000	0.000	186.000	2" Ice	2.829	2.684	0.172
			0.000	0.000			No Ice	2.058	1.932	0.064
			0.000	0.000			1/2" Ice	2.240	2.109	0.086
							1" Ice	2.429	2.293	0.111
800MHZ 2X50W RRH W/FILTER	C	From Leg	2.000	0.000	0.000	186.000	2" Ice	2.829	2.684	0.172
			0.000	0.000			No Ice	2.058	1.932	0.064
			0.000	0.000			1/2" Ice	2.240	2.109	0.086
							1" Ice	2.429	2.293	0.111
Side Arm Mount [SO 102-3]	C	None			0.000	186.000	2" Ice	2.829	2.684	0.172
							No Ice	3.600	3.600	0.075
							1/2" Ice	4.180	4.180	0.105
							1" Ice	4.750	4.750	0.135
* TME-RRH2X40 700	A	From Leg	2.000	0.000	0.000	177.000	2" Ice	5.900	5.900	0.195
			0.000	0.000			No Ice	1.962	1.034	0.050
			0.000	0.000			1/2" Ice	2.137	1.168	0.067
							1" Ice	2.318	1.311	0.086
TME-RRH2X40 700	B	From Leg	2.000	0.000	0.000	177.000	2" Ice	2.704	1.617	0.134
			0.000	0.000			No Ice	1.962	1.034	0.050
			0.000	0.000			1/2" Ice	2.137	1.168	0.067
							1" Ice	2.318	1.311	0.086
TME-RRH2X40 700	C	From Leg	2.000	0.000	0.000	177.000	2" Ice	2.704	1.617	0.134
			0.000	0.000			No Ice	1.962	1.034	0.050
			0.000	0.000			1/2" Ice	2.137	1.168	0.067
							1" Ice	2.318	1.311	0.086
Side Arm Mount [SO 102-3]	C	None			0.000	177.000	2" Ice	2.704	1.617	0.134
							No Ice	3.600	3.600	0.075
							1/2" Ice	4.180	4.180	0.105
							1" Ice	4.750	4.750	0.135
* (2) LPA-80080-4CF-EDIN-0 w/ Mount Pipe	A	From Leg	4.000	0.000	0.000	175.000	2" Ice	5.900	5.900	0.195
			0.000	0.000			No Ice	2.856	6.569	0.030
			0.000	0.000			1/2" Ice	3.220	7.195	0.076
							1" Ice	3.592	7.837	0.128
(2) LPA-80080-4CF-EDIN-0 w/ Mount Pipe	B	From Leg	4.000	0.000	0.000	175.000	2" Ice	4.337	9.170	0.253
			0.000	0.000			No Ice	2.856	6.569	0.030
			0.000	0.000			1/2" Ice	3.220	7.195	0.076
							1" Ice	3.592	7.837	0.128
(2) LPA-80063/4CF w/ Mount Pipe	C	From Leg	4.000	0.000	0.000	175.000	2" Ice	4.337	9.170	0.253
			0.000	0.000			No Ice	6.385	6.603	0.038
			0.000	0.000			1/2" Ice	6.784	7.232	0.104
							1" Ice	7.192	7.876	0.176
(2) NHH-65B-R2B w/ Mount Pipe	A	From Leg	4.000	0.000	0.000	175.000	2" Ice	8.035	9.214	0.344
			0.000	0.000			No Ice	4.090	3.290	0.069
			0.000	0.000			1/2" Ice	4.480	3.670	0.132
							1" Ice	4.880	4.060	0.205
(2) NHH-65B-R2B w/ Mount Pipe	B	From Leg	4.000	0.000	0.000	175.000	2" Ice	5.700	4.860	0.385
			0.000	0.000			No Ice	4.090	3.290	0.069
			0.000	0.000			1/2" Ice	4.480	3.670	0.132
							1" Ice	4.880	4.060	0.205
(2) NHH-65B-R2B w/ Mount Pipe	C	From Leg	4.000	0.000	0.000	175.000	2" Ice	5.700	4.860	0.385
			0.000	0.000			No Ice	4.090	3.290	0.069
			0.000	0.000			1/2" Ice	4.480	3.670	0.132
							1" Ice	4.880	4.060	0.205
MT6407-77A w/ Mount Pipe	A	From Leg	4.000	0.000	0.000	175.000	2" Ice	5.700	4.860	0.385
			0.000	0.000			No Ice	4.907	2.682	0.096
						1/2" Ice	5.256	3.145	0.136	

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job		87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)		Page		8 of 21	
	Project				Date		18:12:07 09/08/21	
	Client		Crown Castle		Designed by		JD Prabhu	

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
			0.000						
						1" Ice	5.615	3.624	0.180
						2" Ice	6.362	4.631	0.288
MT6407-77A w/ Mount Pipe	B	From Leg	4.000	0.000	175.000	No Ice	4.907	2.682	0.096
			0.000			1/2" Ice	5.256	3.145	0.136
			0.000			1" Ice	5.615	3.624	0.180
						2" Ice	6.362	4.631	0.288
MT6407-77A w/ Mount Pipe	C	From Leg	4.000	0.000	175.000	No Ice	4.907	2.682	0.096
			0.000			1/2" Ice	5.256	3.145	0.136
			0.000			1" Ice	5.615	3.624	0.180
						2" Ice	6.362	4.631	0.288
RF4439D-25A	A	From Leg	4.000	0.000	175.000	No Ice	1.865	1.252	0.075
			0.000			1/2" Ice	2.035	1.394	0.093
			0.000			1" Ice	2.212	1.544	0.114
						2" Ice	2.589	1.866	0.165
RF4439D-25A	B	From Leg	4.000	0.000	175.000	No Ice	1.865	1.252	0.075
			0.000			1/2" Ice	2.035	1.394	0.093
			0.000			1" Ice	2.212	1.544	0.114
						2" Ice	2.589	1.866	0.165
RF4439D-25A	C	From Leg	4.000	0.000	175.000	No Ice	1.865	1.252	0.075
			0.000			1/2" Ice	2.035	1.394	0.093
			0.000			1" Ice	2.212	1.544	0.114
						2" Ice	2.589	1.866	0.165
RVZDC-6627-PF-48	A	From Leg	4.000	0.000	175.000	No Ice	3.792	2.514	0.032
			0.000			1/2" Ice	4.044	2.727	0.063
			0.000			1" Ice	4.303	2.947	0.099
						2" Ice	4.844	3.417	0.181
RF4440D-13A	A	From Leg	4.000	0.000	175.000	No Ice	1.865	1.129	0.073
			0.000			1/2" Ice	2.035	1.267	0.090
			0.000			1" Ice	2.212	1.411	0.110
						2" Ice	2.589	1.723	0.159
RF4440D-13A	B	From Leg	4.000	0.000	175.000	No Ice	1.865	1.129	0.073
			0.000			1/2" Ice	2.035	1.267	0.090
			0.000			1" Ice	2.212	1.411	0.110
						2" Ice	2.589	1.723	0.159
RF4440D-13A	C	From Leg	4.000	0.000	175.000	No Ice	1.865	1.129	0.073
			0.000			1/2" Ice	2.035	1.267	0.090
			0.000			1" Ice	2.212	1.411	0.110
						2" Ice	2.589	1.723	0.159
Platform Mount [LP 1201-1]	C	None		0.000	175.000	No Ice	18.380	18.380	2.100
						1/2" Ice	22.110	22.110	2.652
						1" Ice	25.870	25.870	3.263
						2" Ice	33.470	33.470	4.662
Side Arm Mount [SO 102-3]	C	None		0.000	175.000	No Ice	3.600	3.600	0.075
						1/2" Ice	4.180	4.180	0.105
						1" Ice	4.750	4.750	0.135
						2" Ice	5.900	5.900	0.195
*									
APX16DWV-16DWV-S-E-A	A	From Leg	4.000	0.000	165.000	No Ice	6.290	2.760	0.061
20 w/ Mount Pipe			0.000			1/2" Ice	6.860	3.270	0.105
			0.000			1" Ice	7.450	3.790	0.157
						2" Ice	8.680	4.900	0.290
APX16DWV-16DWV-S-E-A	B	From Leg	4.000	0.000	165.000	No Ice	6.290	2.760	0.061
20 w/ Mount Pipe			0.000			1/2" Ice	6.860	3.270	0.105
			0.000			1" Ice	7.450	3.790	0.157
						2" Ice	8.680	4.900	0.290
APX16DWV-16DWV-S-E-A	C	From Leg	4.000	0.000	165.000	No Ice	6.290	2.760	0.061
20 w/ Mount Pipe			0.000			1/2" Ice	6.860	3.270	0.105

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job		87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)		Page		9 of 21	
	Project				Date		18:12:07 09/08/21	
	Client		Crown Castle		Designed by		JD Prabhu	

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
			ft	ft					
			0.000				1" Ice 7.450	3.790	0.157
							2" Ice 8.680	4.900	0.290
APXVAALL24_43-U-NA20	A	From Leg	4.000	0.000	165.000	No Ice	14.690	6.870	0.183
_TMO w/ Mount Pipe			0.000			1/2" Ice	15.460	7.550	0.311
			0.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782
APXVAALL24_43-U-NA20	B	From Leg	4.000	0.000	165.000	No Ice	14.690	6.870	0.183
_TMO w/ Mount Pipe			0.000			1/2" Ice	15.460	7.550	0.311
			0.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782
APXVAALL24_43-U-NA20	C	From Leg	4.000	0.000	165.000	No Ice	14.690	6.870	0.183
_TMO w/ Mount Pipe			0.000			1/2" Ice	15.460	7.550	0.311
			0.000			1" Ice	16.230	8.250	0.453
						2" Ice	17.820	9.670	0.782
RADIO 4415 B66A_CCIV3	A	From Leg	4.000	0.000	165.000	No Ice	1.639	0.677	0.046
			0.000			1/2" Ice	1.799	0.789	0.059
			0.000			1" Ice	1.966	0.911	0.073
						2" Ice	2.323	1.181	0.111
RADIO 4415 B66A_CCIV3	B	From Leg	4.000	0.000	165.000	No Ice	1.639	0.677	0.046
			0.000			1/2" Ice	1.799	0.789	0.059
			0.000			1" Ice	1.966	0.911	0.073
						2" Ice	2.323	1.181	0.111
RADIO 4415 B66A_CCIV3	C	From Leg	4.000	0.000	165.000	No Ice	1.639	0.677	0.046
			0.000			1/2" Ice	1.799	0.789	0.059
			0.000			1" Ice	1.966	0.911	0.073
						2" Ice	2.323	1.181	0.111
RADIO 4449 B71	A	From Leg	4.000	0.000	165.000	No Ice	1.970	1.587	0.073
B85A_T-MOBILE			0.000			1/2" Ice	2.147	1.749	0.093
			0.000			1" Ice	2.331	1.918	0.116
						2" Ice	2.721	2.280	0.170
RADIO 4449 B71	B	From Leg	4.000	0.000	165.000	No Ice	1.970	1.587	0.073
B85A_T-MOBILE			0.000			1/2" Ice	2.147	1.749	0.093
			0.000			1" Ice	2.331	1.918	0.116
						2" Ice	2.721	2.280	0.170
RADIO 4449 B71	C	From Leg	4.000	0.000	165.000	No Ice	1.970	1.587	0.073
B85A_T-MOBILE			0.000			1/2" Ice	2.147	1.749	0.093
			0.000			1" Ice	2.331	1.918	0.116
						2" Ice	2.721	2.280	0.170
RRUS 4415 B25_CCIV2	A	From Leg	4.000	0.000	165.000	No Ice	1.843	0.820	0.046
			0.000			1/2" Ice	2.012	0.943	0.060
			0.000			1" Ice	2.190	1.075	0.077
						2" Ice	2.566	1.368	0.118
RRUS 4415 B25_CCIV2	B	From Leg	4.000	0.000	165.000	No Ice	1.843	0.820	0.046
			0.000			1/2" Ice	2.012	0.943	0.060
			0.000			1" Ice	2.190	1.075	0.077
						2" Ice	2.566	1.368	0.118
RRUS 4415 B25_CCIV2	C	From Leg	4.000	0.000	165.000	No Ice	1.843	0.820	0.046
			0.000			1/2" Ice	2.012	0.943	0.060
			0.000			1" Ice	2.190	1.075	0.077
						2" Ice	2.566	1.368	0.118
6' x 2" Mount Pipe	A	From Leg	4.000	0.000	165.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
6' x 2" Mount Pipe	B	From Leg	4.000	0.000	165.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			0.000			1" Ice	2.294	2.294	0.048

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)	10 of 21
	Project	Date
Client	Crown Castle	18:12:07 09/08/21
		Designed by
		JD Prabhu

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight	
			Horz Lateral	Vert						°
6' x 2" Mount Pipe	C	From Leg	4.000	0.000	0.000	165.000	2" Ice	3.060	3.060	0.090
							No Ice	1.425	1.425	0.022
							1/2" Ice	1.925	1.925	0.033
							1" Ice	2.294	2.294	0.048
(2) L 2.5x2.5x3/16x6'	A	From Leg	3.000	0.000	0.000	165.000	2" Ice	3.060	3.060	0.090
							No Ice	1.500	0.005	0.025
							1/2" Ice	1.918	0.024	0.034
							1" Ice	2.343	0.049	0.048
(2) L 2.5x2.5x3/16x6'	B	From Leg	3.000	0.000	0.000	165.000	2" Ice	3.215	0.123	0.091
							No Ice	1.500	0.005	0.025
							1/2" Ice	1.918	0.024	0.034
							1" Ice	2.343	0.049	0.048
(2) L 2.5x2.5x3/16x6'	C	From Leg	3.000	0.000	0.000	165.000	2" Ice	3.215	0.123	0.091
							No Ice	1.500	0.005	0.025
							1/2" Ice	1.918	0.024	0.034
							1" Ice	2.343	0.049	0.048
Side Arm Mount [SO 102-3]	C	None	0.000	0.000	0.000	166.000	2" Ice	3.215	0.123	0.091
							No Ice	3.600	3.600	0.075
							1/2" Ice	4.180	4.180	0.105
							1" Ice	4.750	4.750	0.135
Platform Mount [LP 1201-1_HR-1]	C	None	0.000	0.000	0.000	165.000	2" Ice	5.900	5.900	0.195
							No Ice	26.390	26.390	2.356
							1/2" Ice	31.400	31.400	3.061
							1" Ice	36.200	36.200	3.864
* 800 10121 w/ Mount Pipe	A	From Leg	4.000	0.000	0.000	154.000	2" Ice	45.400	45.400	5.764
							No Ice	3.600	2.950	0.072
							1/2" Ice	4.000	3.340	0.115
							1" Ice	4.420	3.740	0.166
800 10121 w/ Mount Pipe	B	From Leg	4.000	0.000	0.000	154.000	2" Ice	5.290	4.590	0.297
							No Ice	3.600	2.950	0.072
							1/2" Ice	4.000	3.340	0.115
							1" Ice	4.420	3.740	0.166
800 10121 w/ Mount Pipe	C	From Leg	4.000	0.000	0.000	154.000	2" Ice	5.290	4.590	0.297
							No Ice	3.600	2.950	0.072
							1/2" Ice	4.000	3.340	0.115
							1" Ice	4.420	3.740	0.166
HPA65R-BU8A w/ Mount Pipe	A	From Leg	4.000	0.000	0.000	154.000	2" Ice	5.290	4.590	0.297
							No Ice	8.100	6.940	0.087
							1/2" Ice	8.860	7.690	0.170
							1" Ice	9.640	8.450	0.266
HPA65R-BU8A w/ Mount Pipe	B	From Leg	4.000	0.000	0.000	154.000	2" Ice	11.240	10.030	0.500
							No Ice	8.100	6.940	0.087
							1/2" Ice	8.860	7.690	0.170
							1" Ice	9.640	8.450	0.266
HPA65R-BU8A w/ Mount Pipe	C	From Leg	4.000	0.000	0.000	154.000	2" Ice	11.240	10.030	0.500
							No Ice	8.100	6.940	0.087
							1/2" Ice	8.860	7.690	0.170
							1" Ice	9.640	8.450	0.266
OPA65R-BU8D w/ Mount Pipe	A	From Leg	4.000	0.000	0.000	154.000	2" Ice	11.240	10.030	0.500
							No Ice	17.460	8.580	0.109
							1/2" Ice	18.460	9.490	0.224
							1" Ice	19.480	10.420	0.353
OPA65R-BU8D w/ Mount Pipe	B	From Leg	4.000	0.000	0.000	154.000	2" Ice	21.580	12.330	0.656
							No Ice	17.460	8.580	0.109
							1/2" Ice	18.460	9.490	0.224
							1" Ice	19.480	10.420	0.353

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job		87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)		Page		11 of 21	
	Project				Date		18:12:07 09/08/21	
	Client		Crown Castle		Designed by		JD Prabhu	

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight	
			Horz	Lateral						Vert
OPA65R-BU8D w/ Mount Pipe	C	From Leg	4.000	0.000	0.000	154.000	2" Ice	21.580	12.330	0.656
			0.000				No Ice	17.460	8.580	0.109
			3.000				1/2" Ice	18.460	9.490	0.224
							1" Ice	19.480	10.420	0.353
DMP65R-BU8D w/ Mount Pipe	A	From Leg	4.000	0.000	0.000	154.000	2" Ice	21.580	12.330	0.656
			0.000				No Ice	15.890	7.890	0.139
			3.000				1/2" Ice	16.810	8.740	0.252
							1" Ice	17.760	9.600	0.380
DMP65R-BU8D w/ Mount Pipe	B	From Leg	4.000	0.000	0.000	154.000	2" Ice	19.700	11.370	0.679
			0.000				No Ice	15.890	7.890	0.139
			3.000				1/2" Ice	16.810	8.740	0.252
							1" Ice	17.760	9.600	0.380
DMP65R-BU8D w/ Mount Pipe	C	From Leg	4.000	0.000	0.000	154.000	2" Ice	19.700	11.370	0.679
			0.000				No Ice	15.890	7.890	0.139
			3.000				1/2" Ice	16.810	8.740	0.252
							1" Ice	17.760	9.600	0.380
(2) LGP21401	A	From Leg	4.000	0.000	0.000	154.000	2" Ice	19.700	11.370	0.679
			0.000				No Ice	1.104	0.207	0.014
			3.000				1/2" Ice	1.239	0.274	0.021
							1" Ice	1.381	0.348	0.030
(2) LGP21401	B	From Leg	4.000	0.000	0.000	154.000	2" Ice	1.688	0.521	0.055
			0.000				No Ice	1.104	0.207	0.014
			3.000				1/2" Ice	1.239	0.274	0.021
							1" Ice	1.381	0.348	0.030
(2) LGP21401	C	From Leg	4.000	0.000	0.000	154.000	2" Ice	1.688	0.521	0.055
			0.000				No Ice	1.104	0.207	0.014
			3.000				1/2" Ice	1.239	0.274	0.021
							1" Ice	1.381	0.348	0.030
(2) DC6-48-60-18-8F	A	From Leg	4.000	0.000	0.000	154.000	2" Ice	1.688	0.521	0.055
			0.000				No Ice	1.212	1.212	0.033
			3.000				1/2" Ice	1.892	1.892	0.055
							1" Ice	2.105	2.105	0.080
RRUS 8843 B2/B66A_CCIV2	A	From Leg	4.000	0.000	0.000	154.000	2" Ice	2.570	2.570	0.138
			0.000				No Ice	1.980	1.695	0.075
			3.000				1/2" Ice	2.157	1.861	0.096
							1" Ice	2.341	2.035	0.119
RRUS 8843 B2/B66A_CCIV2	B	From Leg	4.000	0.000	0.000	154.000	2" Ice	2.733	2.405	0.176
			0.000				No Ice	1.980	1.695	0.075
			3.000				1/2" Ice	2.157	1.861	0.096
							1" Ice	2.341	2.035	0.119
RRUS 8843 B2/B66A_CCIV2	C	From Leg	4.000	0.000	0.000	154.000	2" Ice	2.733	2.405	0.176
			0.000				No Ice	1.980	1.695	0.075
			3.000				1/2" Ice	2.157	1.861	0.096
							1" Ice	2.341	2.035	0.119
RRUS 4478 B14_CCIV2	A	From Leg	4.000	0.000	0.000	154.000	2" Ice	2.733	2.405	0.176
			0.000				No Ice	2.021	1.246	0.059
			3.000				1/2" Ice	2.200	1.396	0.077
							1" Ice	2.386	1.554	0.097
RRUS 4478 B14_CCIV2	B	From Leg	4.000	0.000	0.000	154.000	2" Ice	2.780	1.891	0.147
			0.000				No Ice	2.021	1.246	0.059
			3.000				1/2" Ice	2.200	1.396	0.077
							1" Ice	2.386	1.554	0.097
RRUS 4478 B14_CCIV2	C	From Leg	4.000	0.000	0.000	154.000	2" Ice	2.780	1.891	0.147
			0.000				No Ice	2.021	1.246	0.059
			3.000				1/2" Ice	2.200	1.396	0.077
							1" Ice	2.386	1.554	0.097
						2" Ice	2.780	1.891	0.147	

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job		87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)		Page		12 of 21	
	Project				Date		18:12:07 09/08/21	
	Client		Crown Castle		Designed by		JD Prabhu	

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
RRUS 4449 B5/B12	A	From Leg	4.000	0.000	154.000	No Ice	1.968	1.408	0.071
			0.000			1/2" Ice	2.144	1.564	0.090
			3.000			1" Ice	2.328	1.727	0.111
						2" Ice	2.718	2.075	0.163
						No Ice	1.968	1.408	0.071
RRUS 4449 B5/B12	B	From Leg	4.000	0.000	154.000	No Ice	1.968	1.408	0.071
			0.000			1/2" Ice	2.144	1.564	0.090
			3.000			1" Ice	2.328	1.727	0.111
						2" Ice	2.718	2.075	0.163
						No Ice	1.968	1.408	0.071
RRUS 4449 B5/B12	C	From Leg	4.000	0.000	154.000	No Ice	1.968	1.408	0.071
			0.000			1/2" Ice	2.144	1.564	0.090
			3.000			1" Ice	2.328	1.727	0.111
						2" Ice	2.718	2.075	0.163
						No Ice	1.968	1.408	0.071
10.5' x 2.375" Horizontal Mount Pipe	A	From Leg	3.000	0.000	154.000	No Ice	2.499	0.011	0.038
			0.000			1/2" Ice	3.580	0.052	0.057
			0.000			1" Ice	4.673	0.105	0.083
						2" Ice	6.205	0.252	0.155
						No Ice	2.499	0.011	0.038
10.5' x 2.375" Horizontal Mount Pipe	B	From Leg	3.000	0.000	154.000	No Ice	2.499	0.011	0.038
			0.000			1/2" Ice	3.580	0.052	0.057
			0.000			1" Ice	4.673	0.105	0.083
						2" Ice	6.205	0.252	0.155
						No Ice	2.499	0.011	0.038
10.5' x 2.375" Horizontal Mount Pipe	C	From Leg	3.000	0.000	154.000	No Ice	2.499	0.011	0.038
			0.000			1/2" Ice	3.580	0.052	0.057
			0.000			1" Ice	4.673	0.105	0.083
						2" Ice	6.205	0.252	0.155
						No Ice	2.499	0.011	0.038
Sector Mount [SM 502-3]	C	None		0.000	154.000	No Ice	29.820	29.820	1.673
						1/2" Ice	42.210	42.210	2.266
						1" Ice	54.430	54.430	3.052
						2" Ice	78.490	78.490	5.180
						No Ice	3.170	3.170	0.195
Pipe Mount [PM 601-3]	C	None		0.000	154.000	No Ice	3.170	3.170	0.195
						1/2" Ice	3.790	3.790	0.232
						1" Ice	4.420	4.420	0.279
						2" Ice	5.760	5.760	0.401
						No Ice	3.790	3.160	0.053
* APXV18-206517S-C w/ Mount Pipe	A	From Leg	0.500	0.000	150.000	No Ice	3.790	3.160	0.053
			0.000			1/2" Ice	4.380	3.750	0.094
			0.000			1" Ice	4.990	4.350	0.145
						2" Ice	6.250	5.590	0.281
						No Ice	3.790	3.160	0.053
APXV18-206517S-C w/ Mount Pipe	B	From Leg	0.500	0.000	150.000	No Ice	3.790	3.160	0.053
			0.000			1/2" Ice	4.380	3.750	0.094
			0.000			1" Ice	4.990	4.350	0.145
						2" Ice	6.250	5.590	0.281
						No Ice	3.790	3.160	0.053
APXV18-206517S-C w/ Mount Pipe	C	From Leg	0.500	0.000	150.000	No Ice	3.790	3.160	0.053
			0.000			1/2" Ice	4.380	3.750	0.094
			0.000			1" Ice	4.990	4.350	0.145
						2" Ice	6.250	5.590	0.281
						No Ice	3.790	3.160	0.053
* SD212-SF2P2SNM	B	From Leg	3.000	0.000	120.000	No Ice	2.160	2.160	0.021
			0.000			1/2" Ice	3.960	3.960	0.050
			5.000			1" Ice	5.760	5.760	0.079
						2" Ice	9.360	9.360	0.137
						No Ice	0.620	1.490	0.027
Side Arm Mount [SO 702-1]	B	From Leg	1.500	0.000	120.000	No Ice	0.620	1.490	0.027
			0.000			1/2" Ice	0.740	2.070	0.042
			0.000			1" Ice	0.890	2.540	0.063
						2" Ice	1.250	3.550	0.122
						No Ice	6.333	6.333	0.025
* SD110-SFXPASNM	B	From Leg	2.000	0.000	115.000	No Ice	6.333	6.333	0.025
			0.000			1/2" Ice	7.917	7.917	0.069

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job 87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)	Page 13 of 21
	Project	Date 18:12:07 09/08/21
	Client Crown Castle	Designed by JD Prabhu

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz Lateral	Vert					
			7.000						
15' x 2" Pipe Mount	B	From Leg	1.000	0.000	115.000	1" Ice	9.501	9.501	0.112
			0.000			2" Ice	12.669	12.669	0.199
			0.000			No Ice	3.563	3.563	0.055
			0.000			1/2" Ice	5.091	5.091	0.081
						1" Ice	6.635	6.635	0.118
						2" Ice	9.775	9.775	0.219
* ANT450D3	B	From Leg	2.000	0.000	81.000	No Ice	1.431	1.431	0.088
			0.000			1/2" Ice	2.185	2.185	0.100
			1.000			1" Ice	2.939	2.939	0.112
						2" Ice	4.446	4.446	0.136
4' x 2" Pipe Mount	A	From Leg	1.000	0.000	81.000	No Ice	0.785	0.785	0.029
			0.000			1/2" Ice	1.028	1.028	0.035
			0.000			1" Ice	1.281	1.281	0.044
						2" Ice	1.814	1.814	0.072
4' x 2" Pipe Mount	B	From Leg	1.000	0.000	81.000	No Ice	0.785	0.785	0.029
			0.000			1/2" Ice	1.028	1.028	0.035
			0.000			1" Ice	1.281	1.281	0.044
						2" Ice	1.814	1.814	0.072
4' x 2" Pipe Mount	C	From Leg	1.000	0.000	81.000	No Ice	0.785	0.785	0.029
			0.000			1/2" Ice	1.028	1.028	0.035
			0.000			1" Ice	1.281	1.281	0.044
						2" Ice	1.814	1.814	0.072
Side Arm Mount [SO 309-1]	B	From Leg	1.000	0.000	81.000	No Ice	1.220	2.630	0.040
			0.000			1/2" Ice	1.800	3.930	0.061
			0.000			1" Ice	2.400	5.470	0.090
						2" Ice	3.700	9.560	0.170
Side Arm Mount [SO 102-3]	C	None		0.000	83.000	No Ice	3.600	3.600	0.075
						1/2" Ice	4.180	4.180	0.105
						1" Ice	4.750	4.750	0.135
						2" Ice	5.900	5.900	0.195
Side Arm Mount [SO 102-3]	C	None		0.000	79.000	No Ice	3.600	3.600	0.075
						1/2" Ice	4.180	4.180	0.105
						1" Ice	4.750	4.750	0.135
						2" Ice	5.900	5.900	0.195
* KS24019-L112A	A	From Leg	3.000	0.000	48.000	No Ice	0.141	0.141	0.005
			0.000			1/2" Ice	0.198	0.198	0.007
			0.000			1" Ice	0.262	0.262	0.009
						2" Ice	0.415	0.415	0.018
Side Arm Mount [SO 701-1]	A	From Leg	1.500	0.000	48.000	No Ice	0.850	1.670	0.065
			0.000			1/2" Ice	1.140	2.340	0.079
			0.000			1" Ice	1.430	3.010	0.093
						2" Ice	2.010	4.350	0.121
*									

Load Combinations

Comb. No.	Description
1	Dead Only

<p>tnxTower</p> <p>B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265</p>	<p>Job 87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)</p>	<p>Page 14 of 21</p>
	<p>Project</p>	<p>Date 18:12:07 09/08/21</p>
	<p>Client Crown Castle</p>	<p>Designed by JD Prabhu</p>

Comb. No.	Description
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
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	187 - 136	Pole	Max Tension	30	0.000	0.005	-0.001
			Max. Compression	26	-50.655	0.637	0.670
			Max. Mx	20	-21.754	708.804	-4.153
			Max. My	2	-21.770	-4.426	705.876

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job 87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)	Page 15 of 21
	Project	Date 18:12:07 09/08/21
	Client Crown Castle	Designed by JD Prabhu

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L2	136 - 89.5	Pole	Max. Vy	8	25.978	-708.652	4.756
			Max. Vx	14	25.885	4.483	-705.067
			Max. Torque	9			1.286
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-66.530	-0.955	-1.920
			Max. Mx	8	-33.316	-2011.538	10.527
			Max. My	14	-33.326	10.430	-2004.408
			Max. Vy	8	31.501	-2011.538	10.527
L3	89.5 - 44.25	Pole	Max. Vx	14	31.428	10.430	-2004.408
			Max. Torque	2			-1.849
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-87.360	-2.031	-4.190
			Max. Mx	8	-49.505	-3529.329	17.034
			Max. My	14	-49.509	17.133	-3520.095
			Max. Vy	8	36.738	-3529.329	17.034
			Max. Vx	14	36.696	17.133	-3520.095
L4	44.25 - 0	Pole	Max. Torque	2			-2.346
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-116.339	-2.495	-6.306
			Max. Mx	8	-73.340	-5524.891	25.216
			Max. My	14	-73.340	25.573	-5512.376
			Max. Vy	8	41.070	-5524.891	25.216
			Max. Vx	14	41.001	25.573	-5512.376
			Max. Torque	2			-2.341

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	33	116.339	0.043	-12.130
	Max. H _x	21	55.027	41.018	-0.162
	Max. H _z	2	73.369	-0.162	40.949
	Max. M _x	2	5509.836	-0.162	40.949
	Max. M _z	8	5524.891	-41.018	0.162
	Max. Torsion	14	2.331	0.162	-40.949
	Min. Vert	25	55.027	20.369	35.382
	Min. H _x	9	55.027	-41.018	0.162
	Min. H _z	15	55.027	0.162	-40.949
	Min. M _x	14	-5512.376	0.162	-40.949
	Min. M _z	20	-5523.003	41.018	-0.162
	Min. Torsion	2	-2.339	-0.162	40.949

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	61.141	0.000	0.000	1.016	-0.739	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	73.369	0.162	-40.949	-5509.836	-27.420	2.339
0.9 Dead+1.0 Wind 0 deg - No Ice	55.027	0.162	-40.949	-5429.310	-26.761	2.333

<p>tnxTower</p> <p>B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265</p>	<p>Job 87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)</p>	<p>Page 16 of 21</p>
	<p>Project</p>	<p>Date 18:12:07 09/08/21</p>
	<p>Client Crown Castle</p>	<p>Designed by JD Prabhu</p>

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
1.2 Dead+1.0 Wind 30 deg - No Ice	73.369	20.649	-35.544	-4784.656	-2785.834	1.945
0.9 Dead+1.0 Wind 30 deg - No Ice	55.027	20.649	-35.544	-4714.753	-2744.685	1.937
1.2 Dead+1.0 Wind 60 deg - No Ice	73.369	35.603	-20.614	-2777.165	-4798.009	1.026
0.9 Dead+1.0 Wind 60 deg - No Ice	55.027	35.603	-20.614	-2736.707	-4727.333	1.018
1.2 Dead+1.0 Wind 90 deg - No Ice	73.369	41.018	-0.162	-25.216	-5524.891	-0.169
0.9 Dead+1.0 Wind 90 deg - No Ice	55.027	41.018	-0.162	-25.130	-5443.532	-0.176
1.2 Dead+1.0 Wind 120 deg - No Ice	73.369	35.441	20.334	2733.918	-4771.663	-1.317
0.9 Dead+1.0 Wind 120 deg - No Ice	55.027	35.441	20.334	2693.516	-4701.395	-1.320
1.2 Dead+1.0 Wind 150 deg - No Ice	73.369	20.369	35.382	4760.862	-2740.023	-2.107
0.9 Dead+1.0 Wind 150 deg - No Ice	55.027	20.369	35.382	4690.709	-2699.592	-2.106
1.2 Dead+1.0 Wind 180 deg - No Ice	73.369	-0.162	40.949	5512.376	25.574	-2.331
0.9 Dead+1.0 Wind 180 deg - No Ice	55.027	-0.162	40.949	5431.166	25.399	-2.326
1.2 Dead+1.0 Wind 210 deg - No Ice	73.369	-20.649	35.544	4787.182	2783.968	-1.933
0.9 Dead+1.0 Wind 210 deg - No Ice	55.027	-20.649	35.544	4716.628	2743.309	-1.925
1.2 Dead+1.0 Wind 240 deg - No Ice	73.369	-35.603	20.614	2779.702	4796.123	-1.022
0.9 Dead+1.0 Wind 240 deg - No Ice	55.027	-35.603	20.614	2738.589	4725.942	-1.013
1.2 Dead+1.0 Wind 270 deg - No Ice	73.369	-41.018	0.162	27.777	5523.003	0.162
0.9 Dead+1.0 Wind 270 deg - No Ice	55.027	-41.018	0.162	27.029	5442.140	0.169
1.2 Dead+1.0 Wind 300 deg - No Ice	73.369	-35.441	-20.334	-2731.345	4769.794	1.305
0.9 Dead+1.0 Wind 300 deg - No Ice	55.027	-35.441	-20.334	-2691.607	4700.017	1.309
1.2 Dead+1.0 Wind 330 deg - No Ice	73.369	-20.369	-35.382	-4758.299	2738.175	2.103
0.9 Dead+1.0 Wind 330 deg - No Ice	55.027	-20.369	-35.382	-4688.808	2698.229	2.102
1.2 Dead+1.0 Ice+1.0 Temp	116.339	0.000	0.000	6.306	-2.495	0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	116.339	0.043	-12.130	-1679.457	-9.372	0.989
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	116.339	6.104	-10.526	-1456.878	-852.434	0.865
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	116.339	10.530	-6.102	-841.988	-1467.833	0.509
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	116.339	12.134	-0.043	0.381	-1690.598	0.016
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	116.339	10.487	6.027	844.517	-1461.241	-0.480
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	116.339	6.030	10.483	1464.231	-841.015	-0.848
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	116.339	-0.043	12.130	1693.397	3.813	-0.988
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	116.339	-6.104	10.526	1470.815	846.869	-0.864

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page	
	87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)		17 of 21
	Project		Date
		18:12:07 09/08/21	
Client	Crown Castle	Designed by	
		JD Prabhu	

Load Combination	Vertical	Shear _x	Shear _z	Overturning Moment, M _x	Overturning Moment, M _z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	116.339	-10.530	6.102	855.929	1462.261	-0.508
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	116.339	-12.134	0.043	13.566	1685.027	-0.017
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	116.339	-10.487	-6.027	-830.566	1455.675	0.480
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	116.339	-6.030	-10.483	-1450.283	835.456	0.848
Dead+Wind 0 deg - Service	61.141	0.040	-10.145	-1353.124	-7.286	0.583
Dead+Wind 30 deg - Service	61.141	5.116	-8.806	-1174.951	-685.085	0.477
Dead+Wind 60 deg - Service	61.141	8.820	-5.107	-681.669	-1179.524	0.243
Dead+Wind 90 deg - Service	61.141	10.162	-0.040	-5.453	-1358.122	-0.056
Dead+Wind 120 deg - Service	61.141	8.780	5.038	672.508	-1173.021	-0.340
Dead+Wind 150 deg - Service	61.141	5.046	8.766	1170.553	-673.818	-0.532
Dead+Wind 180 deg - Service	61.141	-0.040	10.145	1355.229	5.725	-0.582
Dead+Wind 210 deg - Service	61.141	-5.116	8.806	1177.055	683.523	-0.476
Dead+Wind 240 deg - Service	61.141	-8.820	5.107	683.774	1177.962	-0.243
Dead+Wind 270 deg - Service	61.141	-10.162	0.040	7.559	1356.559	0.055
Dead+Wind 300 deg - Service	61.141	-8.780	-5.038	-670.401	1171.459	0.339
Dead+Wind 330 deg - Service	61.141	-5.046	-8.766	-1168.447	672.257	0.532

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	0.000	-61.141	0.000	0.000	61.141	0.000	0.000%
2	0.162	-73.369	-40.949	-0.162	73.369	40.949	0.000%
3	0.162	-55.027	-40.949	-0.162	55.027	40.949	0.000%
4	20.649	-73.369	-35.544	-20.649	73.369	35.544	0.000%
5	20.649	-55.027	-35.544	-20.649	55.027	35.544	0.000%
6	35.603	-73.369	-20.614	-35.603	73.369	20.614	0.000%
7	35.603	-55.027	-20.614	-35.603	55.027	20.614	0.000%
8	41.017	-73.369	-0.162	-41.018	73.369	0.162	0.000%
9	41.017	-55.027	-0.162	-41.018	55.027	0.162	0.000%
10	35.441	-73.369	20.334	-35.441	73.369	-20.334	0.000%
11	35.441	-55.027	20.334	-35.441	55.027	-20.334	0.000%
12	20.369	-73.369	35.382	-20.369	73.369	-35.382	0.000%
13	20.369	-55.027	35.382	-20.369	55.027	-35.382	0.000%
14	-0.162	-73.369	40.949	0.162	73.369	-40.949	0.000%
15	-0.162	-55.027	40.949	0.162	55.027	-40.949	0.000%
16	-20.649	-73.369	35.544	20.649	73.369	-35.544	0.000%
17	-20.649	-55.027	35.544	20.649	55.027	-35.544	0.000%
18	-35.603	-73.369	20.614	35.603	73.369	-20.614	0.000%
19	-35.603	-55.027	20.614	35.603	55.027	-20.614	0.000%
20	-41.017	-73.369	0.162	41.018	73.369	-0.162	0.000%
21	-41.017	-55.027	0.162	41.018	55.027	-0.162	0.000%
22	-35.441	-73.369	-20.334	35.441	73.369	20.334	0.000%
23	-35.441	-55.027	-20.334	35.441	55.027	20.334	0.000%
24	-20.369	-73.369	-35.382	20.369	73.369	35.382	0.000%
25	-20.369	-55.027	-35.382	20.369	55.027	35.382	0.000%
26	0.000	-116.339	0.000	0.000	116.339	0.000	0.000%
27	0.043	-116.339	-12.129	-0.043	116.339	12.130	0.000%
28	6.104	-116.339	-10.526	-6.104	116.339	10.526	0.000%
29	10.530	-116.339	-6.102	-10.530	116.339	6.102	0.000%
30	12.134	-116.339	-0.043	-12.134	116.339	0.043	0.000%
31	10.487	-116.339	6.027	-10.487	116.339	-6.027	0.000%
32	6.030	-116.339	10.483	-6.030	116.339	-10.483	0.000%

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
	87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)	18 of 21
	Project	Date
		18:12:07 09/08/21
	Client	Designed by
	Crown Castle	JD Prabhu

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
33	-0.043	-116.339	12.129	0.043	116.339	-12.130	0.000%
34	-6.104	-116.339	10.526	6.104	116.339	-10.526	0.000%
35	-10.530	-116.339	6.102	10.530	116.339	-6.102	0.000%
36	-12.134	-116.339	0.043	12.134	116.339	-0.043	0.000%
37	-10.487	-116.339	-6.027	10.487	116.339	6.027	0.000%
38	-6.030	-116.339	-10.483	6.030	116.339	10.483	0.000%
39	0.040	-61.141	-10.145	-0.040	61.141	10.145	0.000%
40	5.116	-61.141	-8.806	-5.116	61.141	8.806	0.000%
41	8.820	-61.141	-5.107	-8.820	61.141	5.107	0.000%
42	10.162	-61.141	-0.040	-10.162	61.141	0.040	0.000%
43	8.780	-61.141	5.038	-8.780	61.141	-5.038	0.000%
44	5.046	-61.141	8.766	-5.046	61.141	-8.766	0.000%
45	-0.040	-61.141	10.145	0.040	61.141	-10.145	0.000%
46	-5.116	-61.141	8.806	5.116	61.141	-8.806	0.000%
47	-8.820	-61.141	5.107	8.820	61.141	-5.107	0.000%
48	-10.162	-61.141	0.040	10.162	61.141	-0.040	0.000%
49	-8.780	-61.141	-5.038	8.780	61.141	5.038	0.000%
50	-5.046	-61.141	-8.766	5.046	61.141	8.766	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.0000001	0.0000001
2	Yes	5	0.0000001	0.00012927
3	Yes	5	0.0000001	0.00006132
4	Yes	6	0.0000001	0.00021772
5	Yes	6	0.0000001	0.00007154
6	Yes	6	0.0000001	0.00021460
7	Yes	6	0.0000001	0.00007036
8	Yes	5	0.0000001	0.00006883
9	Yes	4	0.0000001	0.00075879
10	Yes	6	0.0000001	0.00020866
11	Yes	6	0.0000001	0.00006861
12	Yes	6	0.0000001	0.00021409
13	Yes	6	0.0000001	0.00007066
14	Yes	5	0.0000001	0.00005825
15	Yes	4	0.0000001	0.00068975
16	Yes	6	0.0000001	0.00021293
17	Yes	6	0.0000001	0.00006977
18	Yes	6	0.0000001	0.00021641
19	Yes	6	0.0000001	0.00007103
20	Yes	5	0.0000001	0.00003941
21	Yes	4	0.0000001	0.00054008
22	Yes	6	0.0000001	0.00021312
23	Yes	6	0.0000001	0.00007031
24	Yes	6	0.0000001	0.00020734
25	Yes	6	0.0000001	0.00006818
26	Yes	4	0.0000001	0.0000001
27	Yes	5	0.00006163	0.00095647
28	Yes	6	0.0000001	0.00020915
29	Yes	6	0.0000001	0.00020702
30	Yes	5	0.00006160	0.00096033
31	Yes	6	0.0000001	0.00020584
32	Yes	6	0.0000001	0.00020831
33	Yes	5	0.00006159	0.00096240

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job 87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)	Page 19 of 21
	Project	Date 18:12:07 09/08/21
	Client Crown Castle	Designed by JD Prabhu

34	Yes	6	0.00000001	0.00020735
35	Yes	6	0.00000001	0.00020953
36	Yes	5	0.00006163	0.00095769
37	Yes	6	0.00000001	0.00020525
38	Yes	6	0.00000001	0.00020277
39	Yes	4	0.00000001	0.00014476
40	Yes	4	0.00000001	0.00087826
41	Yes	4	0.00000001	0.00084181
42	Yes	4	0.00000001	0.00011748
43	Yes	4	0.00000001	0.00080011
44	Yes	4	0.00000001	0.00086573
45	Yes	4	0.00000001	0.00013435
46	Yes	4	0.00000001	0.00082403
47	Yes	4	0.00000001	0.00086032
48	Yes	4	0.00000001	0.00011376
49	Yes	4	0.00000001	0.00085220
50	Yes	4	0.00000001	0.00078698

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	187 - 136	33.451	41	1.554	0.002
L2	140.5 - 89.5	19.049	41	1.312	0.001
L3	95.25 - 44.25	8.548	41	0.866	0.001
L4	51 - 0	2.415	41	0.433	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
188.000	DB404L-B	41	33.451	1.554	0.002	54741
186.000	PCS 1900MHz 4x45W-65MHz	41	33.126	1.550	0.002	54741
177.000	TME-RRH2X40 700	41	30.203	1.514	0.002	27370
175.000	(2) LPA-80080-4CF-EDIN-0 w/ Mount Pipe	41	29.557	1.506	0.002	22808
166.000	Side Arm Mount [SO 102-3]	41	26.682	1.466	0.001	13033
165.000	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	41	26.367	1.461	0.001	12440
154.000	800 10121 w/ Mount Pipe	41	22.971	1.403	0.001	8293
150.000	APXV18-206517S-C w/ Mount Pipe	41	21.776	1.379	0.001	7396
120.000	SD212-SF2P2SNM	41	13.776	1.127	0.001	5907
115.000	SD110-SFXPASNM	41	12.619	1.076	0.001	5912
83.000	Side Arm Mount [SO 102-3]	41	6.422	0.739	0.001	5640
81.000	ANT450D3	41	6.104	0.719	0.001	5594
79.000	Side Arm Mount [SO 102-3]	41	5.796	0.699	0.001	5550
48.000	KS24019-L112A	41	2.161	0.406	0.000	5311

Maximum Tower Deflections - Design Wind

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job 87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)	Page 20 of 21
	Project	Date 18:12:07 09/08/21
	Client Crown Castle	Designed by JD Prabhu

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	187 - 136	136.152	6	6.341	0.008
L2	140.5 - 89.5	77.566	6	5.354	0.005
L3	95.25 - 44.25	34.814	6	3.530	0.003
L4	51 - 0	9.834	6	1.765	0.001

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
188.000	DB404L-B	6	136.152	6.341	0.008	13734
186.000	PCS 1900MHz 4x45W-65MHz	6	134.828	6.325	0.008	13734
177.000	TME-RRH2X40 700	6	122.941	6.177	0.007	6866
175.000	(2) LPA-80080-4CF-EDIN-0 w/ Mount Pipe	6	120.315	6.143	0.007	5721
166.000	Side Arm Mount [SO 102-3]	6	108.622	5.980	0.006	3267
165.000	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	6	107.339	5.961	0.006	3118
154.000	800 10121 w/ Mount Pipe	6	93.524	5.724	0.005	2076
150.000	APXV18-206517S-C w/ Mount Pipe	6	88.665	5.625	0.005	1850
120.000	SD212-SF2P2SNM	6	56.104	4.596	0.004	1468
115.000	SD110-SFXPASNM	6	51.395	4.386	0.004	1467
83.000	Side Arm Mount [SO 102-3]	6	26.155	3.014	0.002	1391
81.000	ANT450D3	6	24.862	2.932	0.002	1379
79.000	Side Arm Mount [SO 102-3]	6	23.605	2.850	0.002	1368
48.000	KS24019-L112A	6	8.799	1.655	0.001	1305

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	187 - 136 (1)	TP36.201x26x0.25	51.000	0.000	0.0	27.813	-21.736	1627.050	0.013
L2	136 - 89.5 (2)	TP45.003x34.801x0.375	51.000	0.000	0.0	51.749	-33.303	3027.340	0.011
L3	89.5 - 44.25 (3)	TP53.304x43.103x0.438	51.000	0.000	0.0	71.537	-49.497	4184.910	0.012
L4	44.25 - 0 (4)	TP61.28x51.079x0.5	51.000	0.000	0.0	96.458	-73.340	5642.790	0.013

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M_{uy} kip-ft	ϕM_{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
L1	187 - 136 (1)	TP36.201x26x0.25	711.873	1321.717	0.539	0.000	1321.717	0.000
L2	136 - 89.5 (2)	TP45.003x34.801x0.375	2018.892	3254.917	0.620	0.000	3254.917	0.000

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job 87311.010.01 - CT SOMERS FD CAC, CT (BU# 803934)	Page 21 of 21
	Project	Date 18:12:07 09/08/21
	Client Crown Castle	Designed by JD Prabhu

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{rx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{rx}}$	M_{uy} kip-ft	ϕM_{ry} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ry}}$
L3	89.5 - 44.25 (3)	TP53.304x43.103x0.438	3541.908	5306.567	0.667	0.000	5306.567	0.000
L4	44.25 - 0 (4)	TP61.28x51.079x0.5	5543.783	8358.583	0.663	0.000	8358.583	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	187 - 136 (1)	TP36.201x26x0.25	26.067	488.116	0.053	1.115	1498.317	0.001
L2	136 - 89.5 (2)	TP45.003x34.801x0.375	31.610	908.202	0.035	0.748	3458.042	0.000
L3	89.5 - 44.25 (3)	TP53.304x43.103x0.438	36.874	1255.470	0.029	1.247	5664.117	0.000
L4	44.25 - 0 (4)	TP61.28x51.079x0.5	41.193	1692.840	0.024	1.026	9010.667	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{rx}	Ratio M_{uy} ϕM_{ry}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	187 - 136 (1)	0.013	0.539	0.000	0.053	0.001	0.555	1.050	4.8.2 ✓
L2	136 - 89.5 (2)	0.011	0.620	0.000	0.035	0.000	0.632	1.050	4.8.2 ✓
L3	89.5 - 44.25 (3)	0.012	0.667	0.000	0.029	0.000	0.680	1.050	4.8.2 ✓
L4	44.25 - 0 (4)	0.013	0.663	0.000	0.024	0.000	0.677	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	187 - 136	Pole	TP36.201x26x0.25	1	-21.736	1708.402	52.8	Pass	
L2	136 - 89.5	Pole	TP45.003x34.801x0.375	2	-33.303	3178.707	60.2	Pass	
L3	89.5 - 44.25	Pole	TP53.304x43.103x0.438	3	-49.497	4394.155	64.8	Pass	
L4	44.25 - 0	Pole	TP61.28x51.079x0.5	4	-73.340	5924.929	64.5	Pass	
							Summary		
							Pole (L3)	64.8	Pass
							RATING =	64.8	Pass

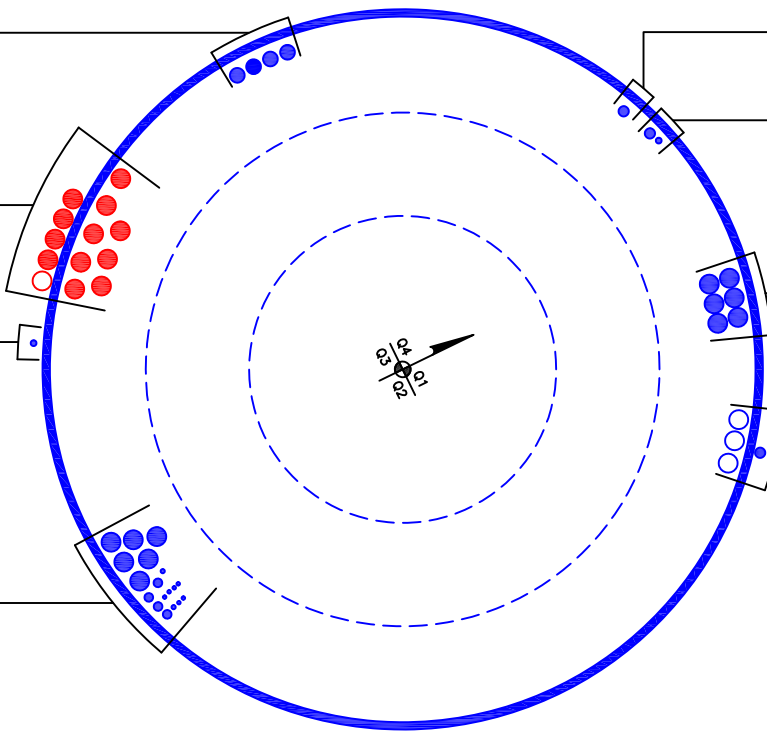
APPENDIX B
BASE LEVEL DRAWING

(OTHER CONSIDERED EQUIPMENT)
(4) 1-1/4" TO 188 FT LEVEL

(PROPOSED EQUIPMENT CONFIGURATION)
(13) 1-5/8" TO 175 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 48 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(6) 5/16" TO 157 FT LEVEL
(2) 3/8" TO 157 FT LEVEL
(4) 3/4" TO 157 FT LEVEL
(6) 1-5/8" TO 157 FT LEVEL



(OTHER CONSIDERED EQUIPMENT)
(1) 7/8" TO 120 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 115 FT LEVEL
(1) 7/8" TO 188 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(6) 1-5/8" TO 150 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(3) 1-5/8" TO 165 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 7/8" TO 81 FT LEVEL

BUSINESS UNIT: 803934

APPENDIX C
ADDITIONAL CALCULATIONS

Monopole Base Plate Connection

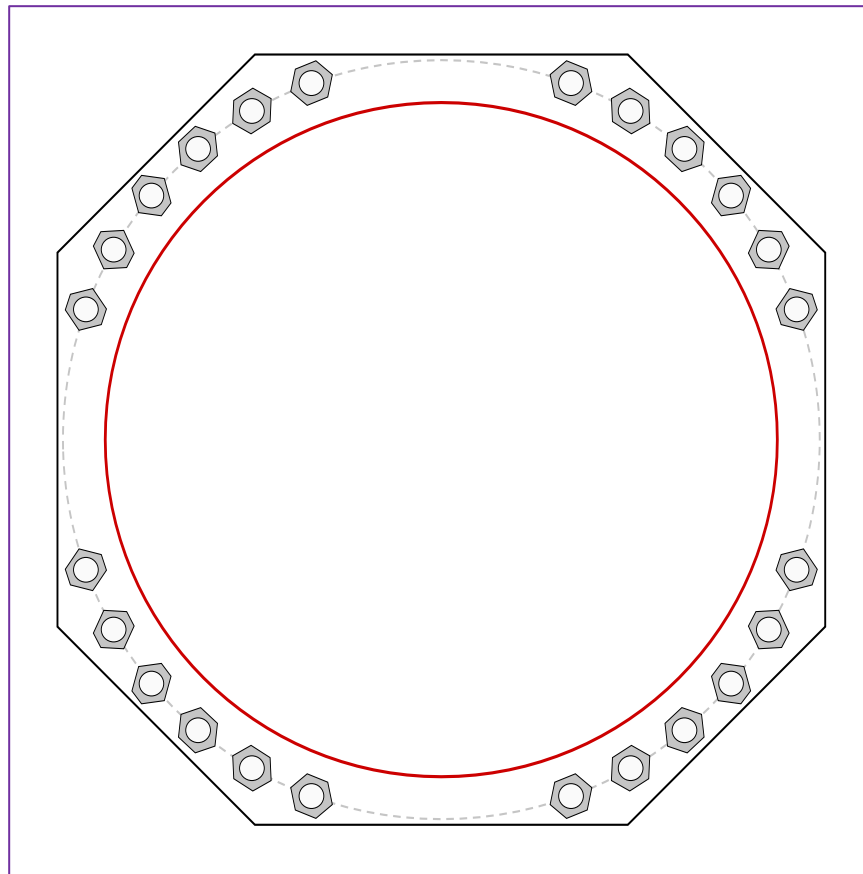


Site Info	
BU #	803934
Site Name	CT SOMERS FD CAC, CT
Order #	586109 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	2

Applied Loads	
Moment (kip-ft)	5543.78
Axial Force (kips)	73.34
Shear Force (kips)	41.19

*TIA-222-H Section 15.5 Applied



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

Anchor Rod Data
(24) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 69" BC <i>Anchor Spacing: 6 in</i>
Base Plate Data
70" W x 3.25" Plate (A572-55; $F_y=55$ ksi, $F_u=70$ ksi); Clip: 18 in
Stiffener Data
N/A
Pole Data
61.28" x 0.5" 18-sided pole (A607-65; $F_y=65$ ksi, $F_u=80$ ksi)

Anchor Rod Summary			<i>(units of kips, kip-in)</i>
$P_{u,t} = 157.56$	$\phi P_{n,t} = 243.75$	Stress Rating	
$V_u = 1.72$	$\phi V_n = 149.1$	61.6%	
$M_u = n/a$	$\phi M_n = n/a$	Pass	
Base Plate Summary			
Max Stress (ksi):	22.68	(Flexural)	
Allowable Stress (ksi):	49.5		
Stress Rating:	43.6%	Pass	

Drilled Pier Foundation

BU # :	803934
Site Name:	CT SOMERS FD CAC, CT
Order Number:	586109, Rev. 0
TIA-222 Revision:	H
Tower Type:	Monopole



Applied Loads		
	Comp.	Uplift
Moment (kip-ft)	5543.78	
Axial Force (kips)	73.37	
Shear Force (kips)	41.14	

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

Pier Design Data	
Depth	29 ft
Ext. Above Grade	0.5 ft
Pier Section 1	
<i>From 0.5' above grade to 29' below grade</i>	
Pier Diameter	8 ft
Rebar Quantity	32
Rebar Size	11
Clear Cover to Ties	4 in
Tie Size	5
Tie Spacing	18 in

Rebar 2, Fy Override (ksi)	Rebar 3, Fy Override (ksi)

[Rebar & Pier Options](#)
[Embedded Pole Inputs](#)
[Belled Pier Inputs](#)

Analysis Results

Soil Lateral Check	Compression	Uplift
D _{v=0} (ft from TOC)	6.52	-
Soil Safety Factor	2.36	-
Max Moment (kip-ft)	5867.23	-
Rating*	53.7%	-

Soil Vertical Check	Compression	Uplift
Skin Friction (kips)	282.74	-
End Bearing (kips)	904.78	-
Weight of Concrete (kips)	174.64	-
Total Capacity (kips)	1187.52	-
Axial (kips)	248.01	-
Rating*	19.9%	-

Reinforced Concrete Flexure	Compression	Uplift
Critical Depth (ft from TOC)	6.40	-
Critical Moment (kip-ft)	5867.09	-
Critical Moment Capacity	8998.38	-
Rating*	62.1%	-

Reinforced Concrete Shear	Compression	Uplift
Critical Depth (ft from TOC)	20.83	-
Critical Shear (kip)	546.21	-
Critical Shear Capacity	722.30	-
Rating*	72.0%	-

Structural Foundation Rating*	72.0%
Soil Interaction Rating*	53.7%

*Rating per TIA-222-H Section 15.5

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

[Go to Soil Calculations](#)

Soil Profile			
Groundwater Depth	4.5	# of Layers	3

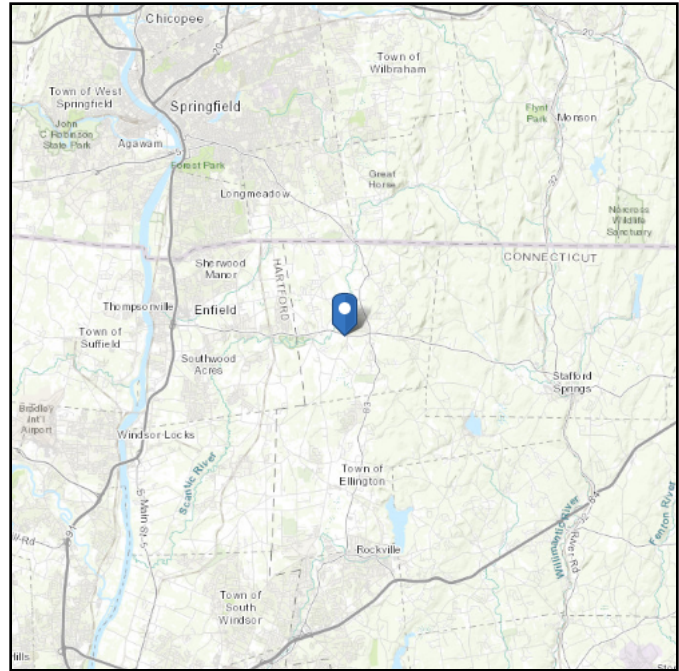
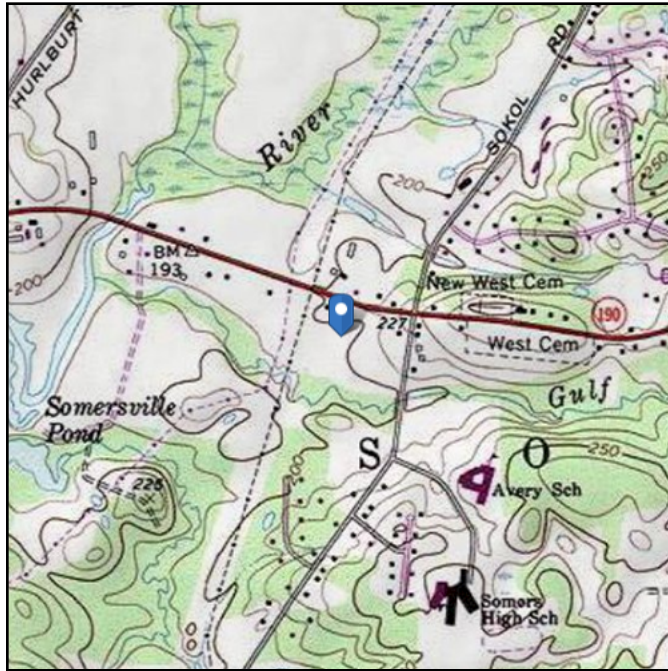
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ _{soil} (pcf)	γ _{concrete} (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	4	4	120	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	4	4.5	0.5	120	150	0	34	0.000	0.000	0.60	0.60			Cohesionless
3	4.5	29	24.5	60	87.6	0	34	0.000	0.000	0.60	0.60	24		Cohesionless

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Elevation: 197.69 ft (NAVD 88)
Latitude: 41.983744
Longitude: -72.465797



Wind

Results:

Wind Speed:	117 Vmph
10-year MRI	75 Vmph
25-year MRI	83 Vmph
50-year MRI	90 Vmph
100-year MRI	97 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: Tue Sep 07 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).

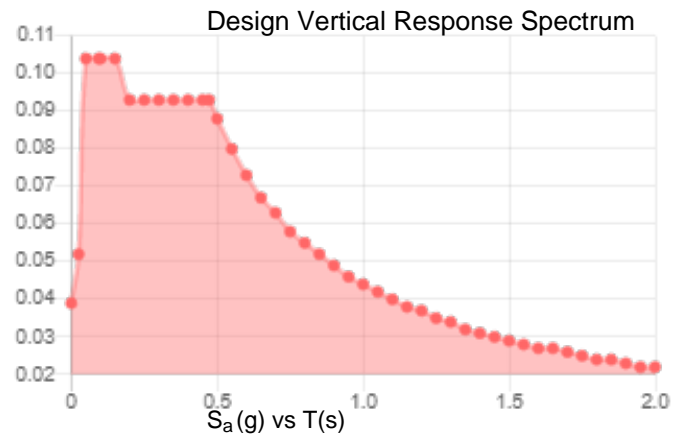
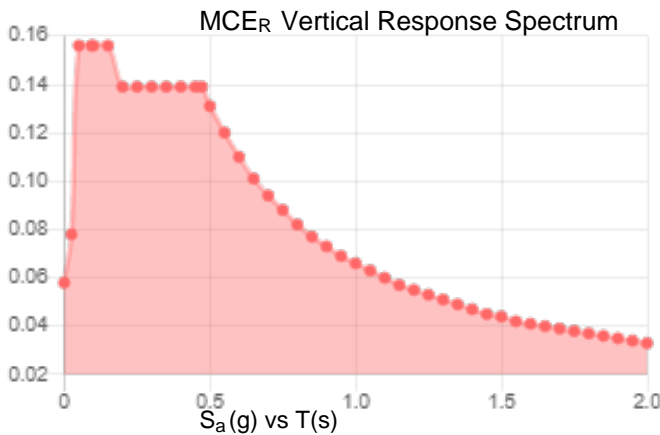
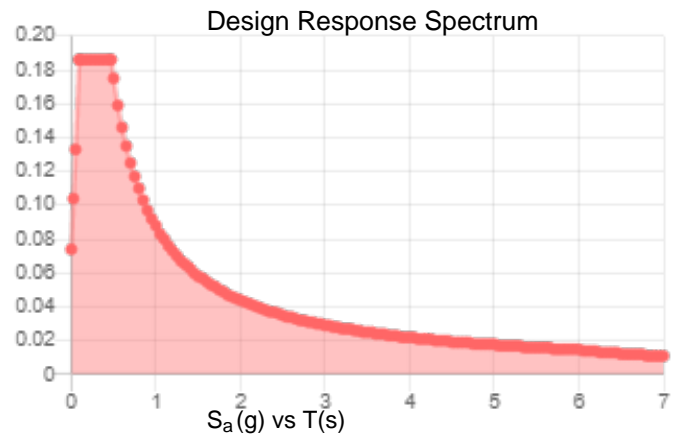
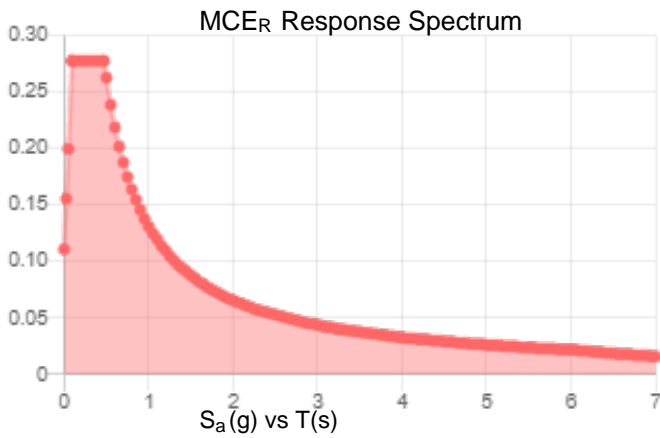
Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class: D - Default (see Section 11.4.3)

Results:

S_s :	0.174	S_{D1} :	0.088
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.091
F_v :	2.4	PGA _M :	0.146
S_{MS} :	0.278	F_{PGA} :	1.6
S_{M1} :	0.131	I_e :	1
S_{DS} :	0.186	C_v :	0.7

Seismic Design Category B



Data Accessed:

Tue Sep 07 2021

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 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: Tue Sep 07 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.

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Exhibit D

Structural Analysis Report



GPD Engineering And Architecture Professional Corporation
 520 South Main Street, Suite 2531
 Akron, OH 44311
 (317) 295-3174

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

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10101458
 GPD Project #: 2021740.467220.02
 Maser Consulting Project #: 21777131

September 9, 2021

Site Information

Site ID: 467220-VZW / SOMERS 2 CT
 Site Name: SOMERS 2 CT
 Carrier Name: Verizon Wireless
 Address: 400 Main St.
 Somers, Connecticut 06071, Tolland County
 Latitude: 41.983433°
 Longitude: -72.465647°

Structure Information

Tower Type: 190-Ft Monopole
 Mount Type: 14.00-Ft Platform Mount

FUZE ID # 16272405

Analysis Results

Platform Mount: **58.5% Pass**

*****Contractor PMI Requirements:**

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

Report Prepared by: Eric Nieto

Respectfully Submitted by:

Christopher J. Scheks, P.E.
 Connecticut #: 0030026



9/9/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS Site ID: 675039, dated 8/27/2021
Mount Mapping Report	HUDSON DESIGN GROUP, LLC., Site #: 467220, dated 3/29/2021
Previous Mount Analysis Report	GPD Project #: 2021740.467220.01, dated 9/3/2021
Proposed Mount Modification Design	GPD Project #: 2021740.467220.02 Rev. 0, dated 9/9/2021

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 117 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.50 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.993
Seismic Parameters:	S_s : 0.174 g S_1 : 0.055 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17.0.2)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
176.50	178.00	6	Commscope	NHH-65B-R2B	Added
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		1	Raycap	RVZDC-6627-PF-48	
		2	Antel	LPA-80063-4CF-EDIN	Retained
		4	Antel	LPA-80080-4CF	

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

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

Standard Conditions:

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer’s specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. GPD is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - HSS (Rectangular) ASTM 500 (Gr. B-46)
 - Pipe ASTM A53 (Gr. B-35)
 - Threaded Rod F1554 (Gr. 36)
 - Bolts ASTM A325
8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	58.5 %	Pass
Inner Horizontal	34.9 %	Pass
Corner Double Angle	7.8 %	Pass
Standoff Arm Inner Sleeve	25.3 %	Pass
Standoff Arm Outer Sleeve	11.5 %	Pass
Pipe Mount (P2 STD)	38.7 %	Pass
Pipe Mount (P2.5 STD)	21.8 %	Pass
Mod Support Rail	37.3 %	Pass
Mod SR Corner Angle	54.5 %	Pass
Mod Vkit	10.0 %	Pass
Mount Connection	46.4 %	Pass

Structure Rating – (Controlling Utilization of all Components)	58.5%
---	--------------

Recommendation:


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

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

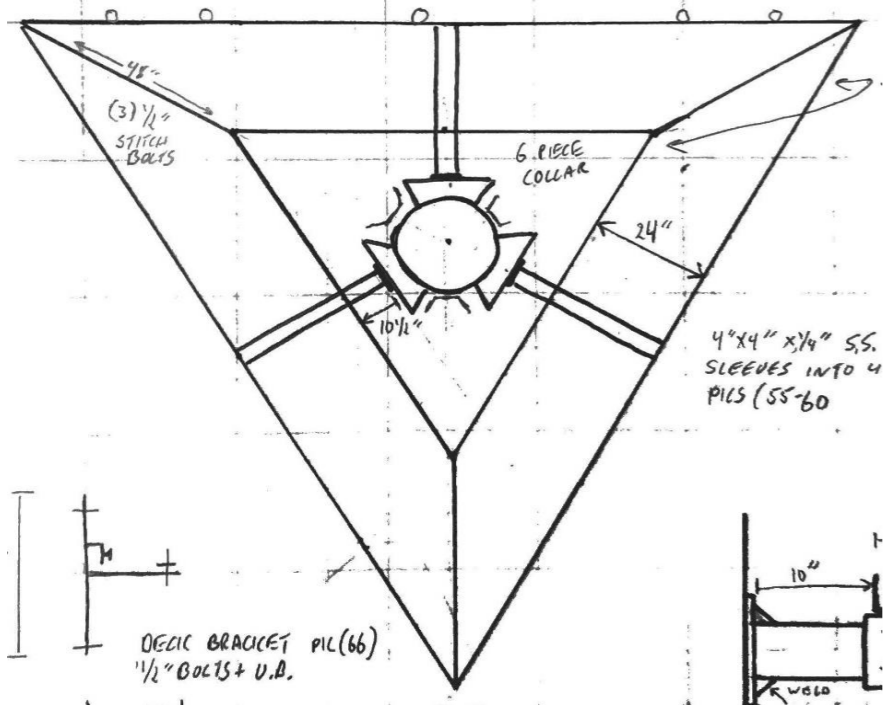
Attachments:

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



	Antenna Mount Mapping Form (PATENT PENDING)			FCC #
	Tower Owner:	CROWN CASTLE	Mapping Date:	3/29/2021
	Site Name:	SOMERS 2 CT	Tower Type:	Monopole
	Site Number or ID:	467220	Tower Height (Ft.):	190
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (Ft.):	176.5	

This antenna mapping form is the property of TES and under **PATENT PENDING**. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warranting the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.



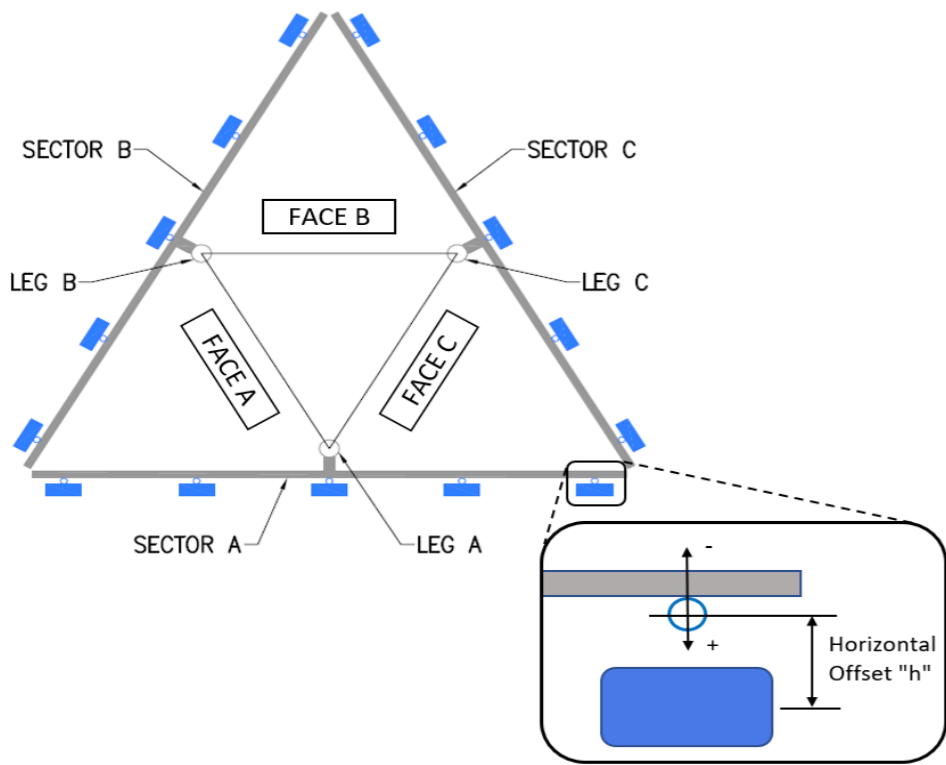
Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE X 72" LONG	42.00	18.00	C1	2" STD. PIPE X 72" LONG	42.00	18.00
A2	2" STD. PIPE X 72" LONG	42.00	34.00	C2	2" STD. PIPE X 72" LONG	42.00	34.00
A3	2" STD. PIPE X 72" LONG	42.00	80.00	C3	2" STD. PIPE X 72" LONG	42.00	80.00
A4	2" STD. PIPE X 72" LONG	42.00	133.00	C4	2" STD. PIPE X 72" LONG	42.00	133.00
A5	2" STD. PIPE X 72" LONG	42.00	149.00	C5	2" STD. PIPE X 72" LONG	42.00	149.00
A6				C6			
B1	2" STD. PIPE X 72" LONG	42.00	18.00	D1			
B2	2" STD. PIPE X 72" LONG	42.00	34.00	D2			
B3	2" STD. PIPE X 72" LONG	42.00	80.00	D3			
B4	2" STD. PIPE X 72" LONG	42.00	133.00	D4			
B5	2" STD. PIPE X 72" LONG	42.00	149.00	D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :
 Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) : 4
 Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) : 5.5

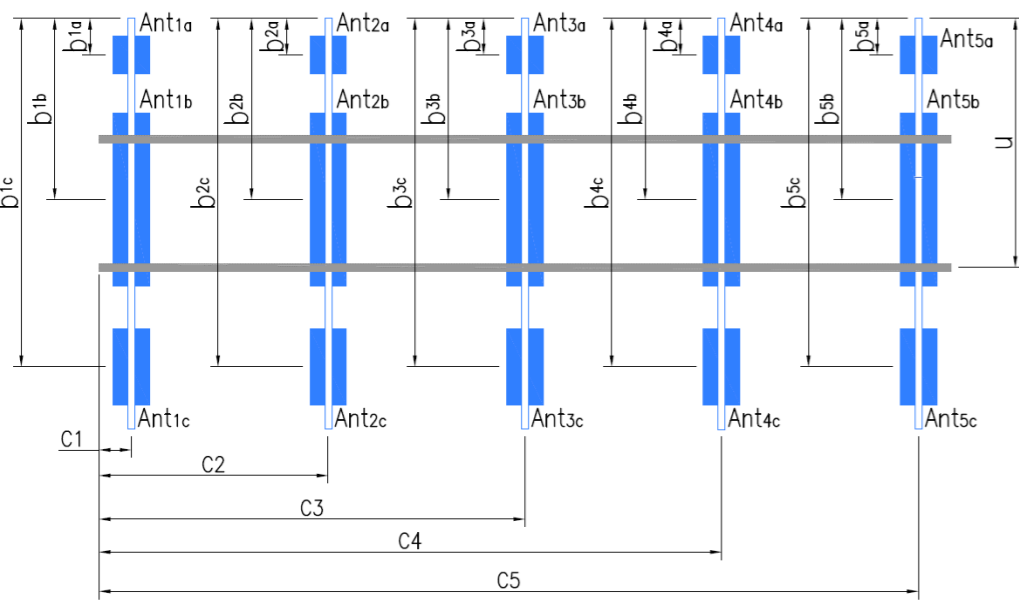
Please enter additional information or comments below.

MONOPOLE WALL THICKNESS: 0.230"

Tower Face Width at Mount Elev. (ft.):	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	27
--	---	----

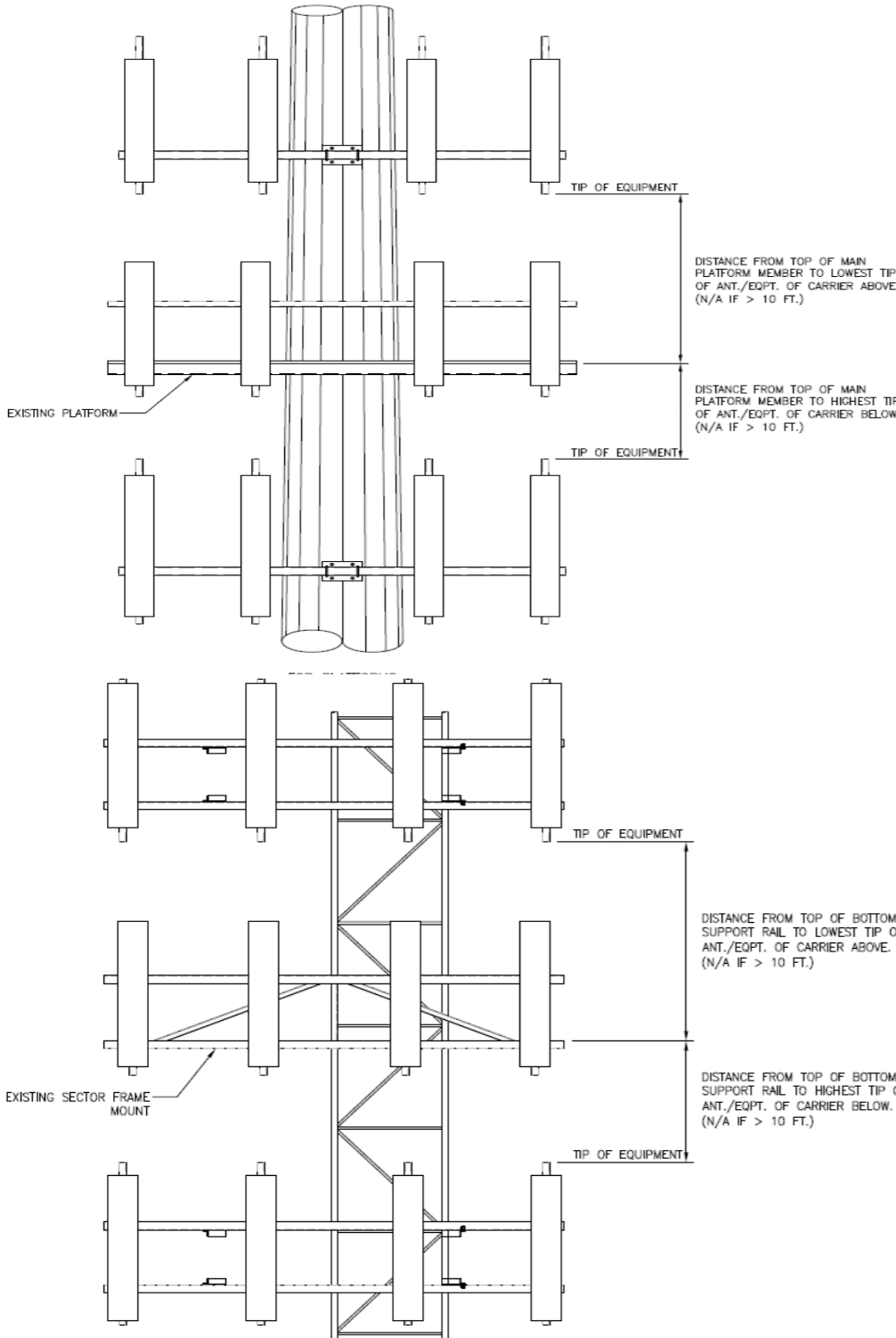


		Enter antenna model. If not labeled, enter "Unknown".					Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances "b _{1a} , b _{2a} , b _{3a} , b _{1b} ..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Ant _{1a}										
Ant _{1b}	LPA-80080-4CF-EDIN	6.00	14.00	48.00		177.833	26.00	14.00	50.00	12,76,107
Ant _{1c}										
Ant _{2a}	9442 RRH2X40	12.00	9.00	25.00		178.5	18.00	-6.00		14,33
Ant _{2b}	UNKNOWN	6.50	3.00	72.00		177	36.00	9.50	50.00	4,33
Ant _{2c}										
Ant _{3a}	700MRRH	17.00	10.00	22.50		178.125	22.50	-8.00		20,36
Ant _{3b}	UNKNOWN	12.00	8.00	55.00		177.667	28.00	8.00	50.00	36,105
Ant _{3c}										
Ant _{4a}										
Ant _{4b}	UNKNOWN	6.50	3.00	72.00		177	36.00	9.50	50.00	5,34
Ant _{4c}										
Ant _{5a}										
Ant _{5b}	LPA-80080-4CF-EDIN	6.00	14.00	48.00		177.833	26.00	14.00	50.00	12,37
Ant _{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										



Antenna Layout (Looking Out From Tower)

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector				Sector B														
Sector A:	50.00	Deg	Leg A:		Deg	Ant _{1a}																
Sector B:	170.00	Deg	Leg B:		Deg	Ant _{1b}	LPA-80080-4CF-EDIN	6.00	14.00	48.00		177.833	26.00	14.00	135.00	12,38						
Sector C:	290.00	Deg	Leg C:		Deg	Ant _{1c}																
Sector D:		Deg	Leg D:		Deg	Ant _{2a}	9442 RRH2X40	12.00	9.00	25.00		178.5	18.00	-6.00	14,39							
								Ant _{2b}	UNKNOWN	6.50	3.00	72.00		177	36.00	9.50	170.00	6,39				
								Ant _{2c}														
Climbing Facility Information								Ant _{3a}	700MRRH	17.00	10.00	22.50		178.125	22.50	-8.00		20,40				
Location:	118.00	Deg	N/A				Ant _{3b}	UNKNOWN	12.00	8.00	55.00		177.667	28.00	8.00	170.00	40,115					
Climbing Facility	Corrosion Type:		Good condition.				Ant _{3c}															
	Access:		Climbing path was unobstructed.				Ant _{4a}															
	Condition:		Good condition.				Ant _{4b}	UNKNOWN	6.50	3.00	72.00		177	36.00	9.50	170.00	40,113					
								Ant _{4c}														
								Ant _{5a}														
								Ant _{5b}	LPA-80080-4CF-EDIN	6.00	14.00	48.00		177.833	26.00	14.00	170.00	12,40,113				
								Ant _{5c}														
								Ant on Standoff														
								Ant on Standoff														
								Ant on Tower														
								Ant on Tower														
								Sector C														
								Ant _{1a}														
								Ant _{1b}	LPA-80063-4CF-EDIN	15.00	14.00	48.00		177.417	31.00	14.00	290.00	10,40,				
								Ant _{1c}														
								Ant _{2a}	9442 RRH2X40	12.00	9.00	25.00		178.5	18.00	-6.00		14,40				
								Ant _{2b}	UNKNOWN	6.50	3.00	72.00		177	36.00	9.50	290.00	40,127				
								Ant _{2c}														
								Ant _{3a}	700MRRH	17.00	10.00	22.50		178.125	22.50	-8.00		20				
								Ant _{3b}	UNKNOWN	12.00	8.00	55.00		177.667	28.00	8.00	290.00	126				
								Ant _{3c}														
								Ant _{4a}														
								Ant _{4b}	UNKNOWN	6.50	3.00	72.00		177	36.00	9.50	290.00	125				
								Ant _{4c}														
								Ant _{5a}														
								Ant _{5b}	LPA-80063-4CF-EDIN	15.00	14.00	48.00		177.417	31.00	14.00	290.00	10,125				
								Ant _{5c}														
								Ant on Standoff														
								Ant on Standoff														
								Ant on Tower	RRFDC-3315-PF-48	15.00	10.00	28.00								22-26		
								Ant on Tower														
								Sector D														
								Ant _{1a}														
								Ant _{1b}														
								Ant _{1c}														
								Ant _{2a}														
								Ant _{2b}														
								Ant _{2c}														
								Ant _{3a}														
								Ant _{3b}														
								Ant _{3c}														
								Ant _{4a}														
								Ant _{4b}														
								Ant _{4c}														
								Ant _{5a}														
								Ant _{5b}														
								Ant _{5c}														
								Ant on Standoff														
								Ant on Standoff														
								Ant on Tower														
								Ant on Tower														



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

1		
2	(18) 1-5/8"Ø COAX (12 INSIDE POLE, 6 OUTSIDE), (1) 1-1/4"Ø HYBRID	89-97
3		
4		
5		
6		
7		
8		

Mapping Notes

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

Standard Conditions

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



Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN CASTLE	Mapping Date:	3/29/2021
Site Name:	SOMERS 2 CT	Tower Type:	Monopole
Site Number or ID:	467220	Tower Height (Ft.):	190
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (Ft.):	176.5

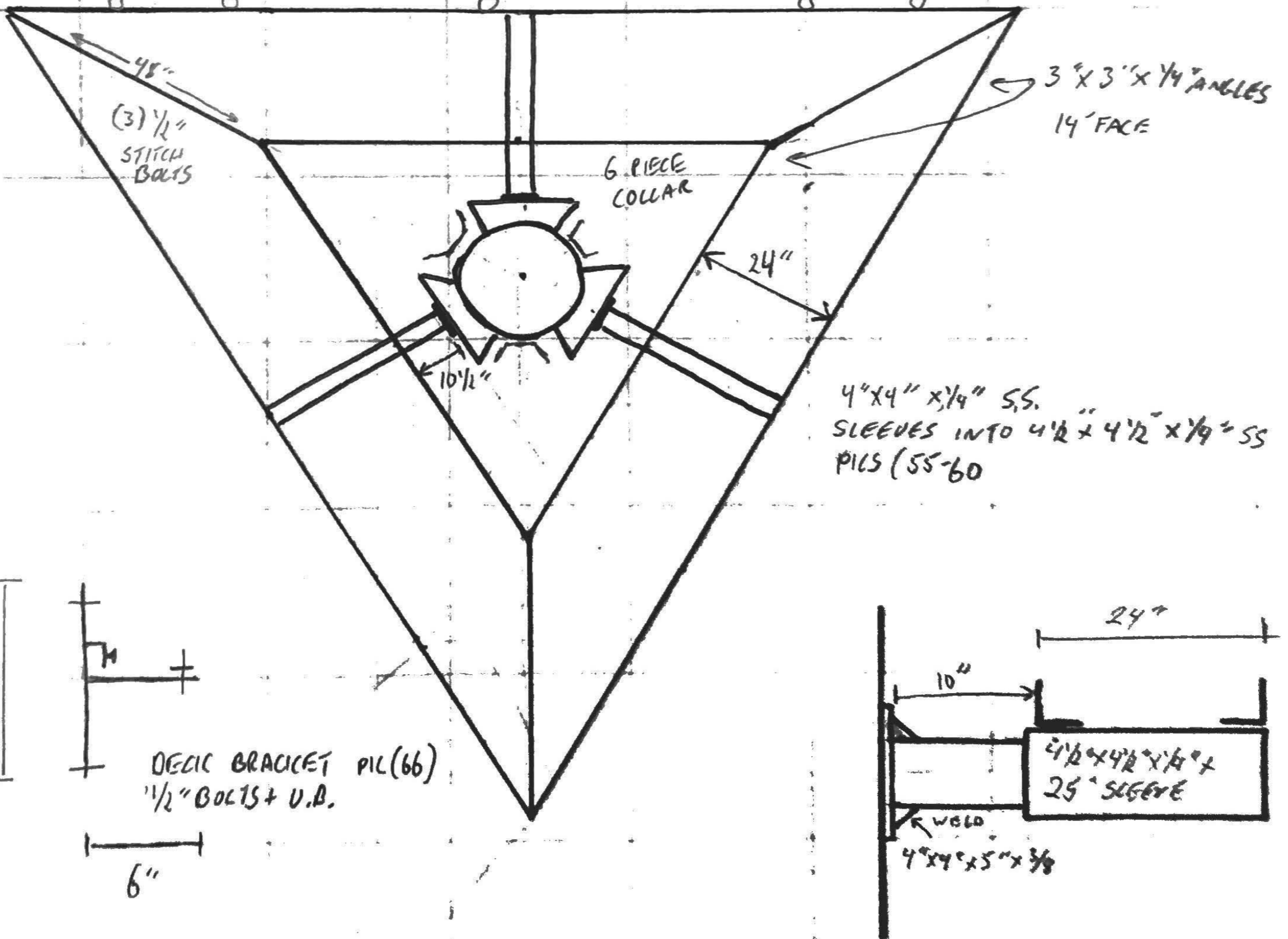
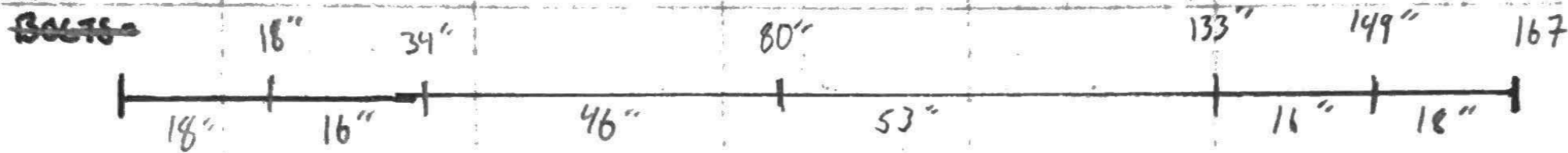
This antenna mapping form is the property of TES and under PATENT PENDING. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warranting the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

Please Insert Sketches of the Antenna Mount

DATE: _____
 Project Name: _____
 Project No.: SOMERS 2 CT
 Design By: _____ Chk'd By: _____ Page ____ of ____

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

TOWER Ø = 27"
 WALL = .830
 CL = FACE ANGLE 176'6"
 T-F = 36"
 T-A =
 COLLAR = 10 1/2" PICS (42-54)
 T-ROD = (3) 3/4"
 PLATE =
 BOLTS =



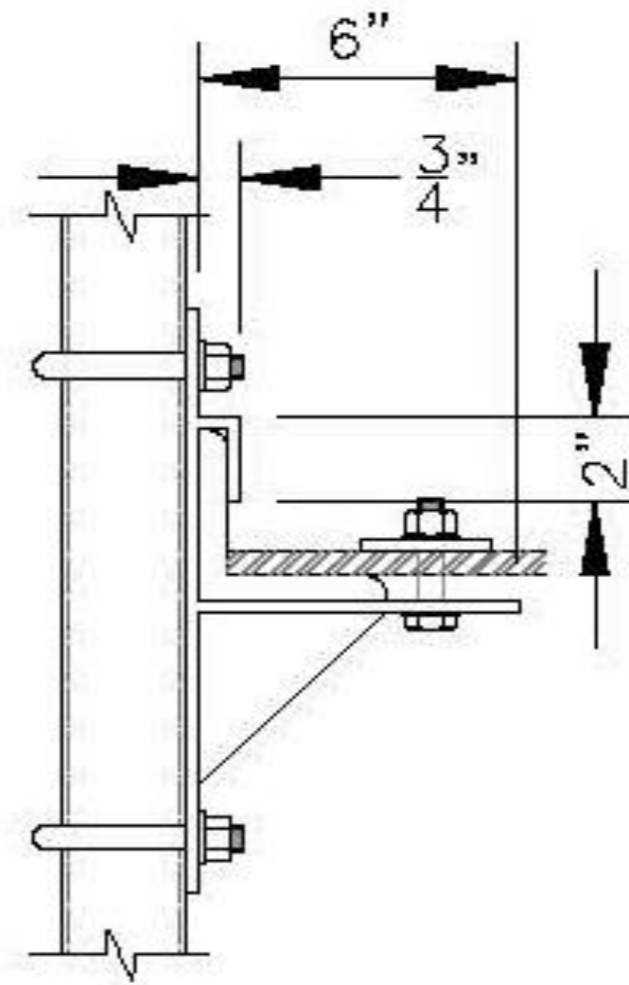
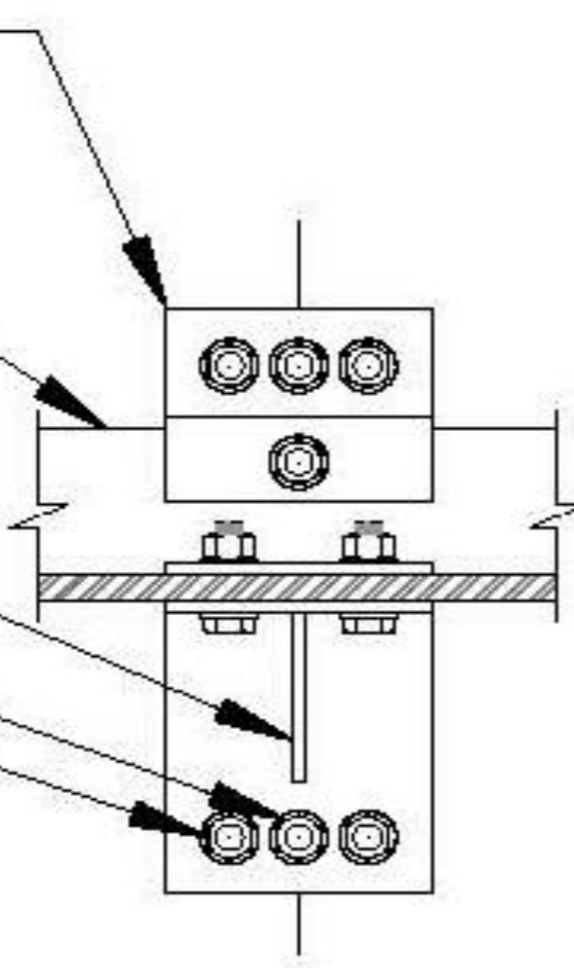
1'-0" X 5" X 3/8" THK.
CROSSOVER PLATE

4"X4"X1/4" THK.
FACE ANGLE

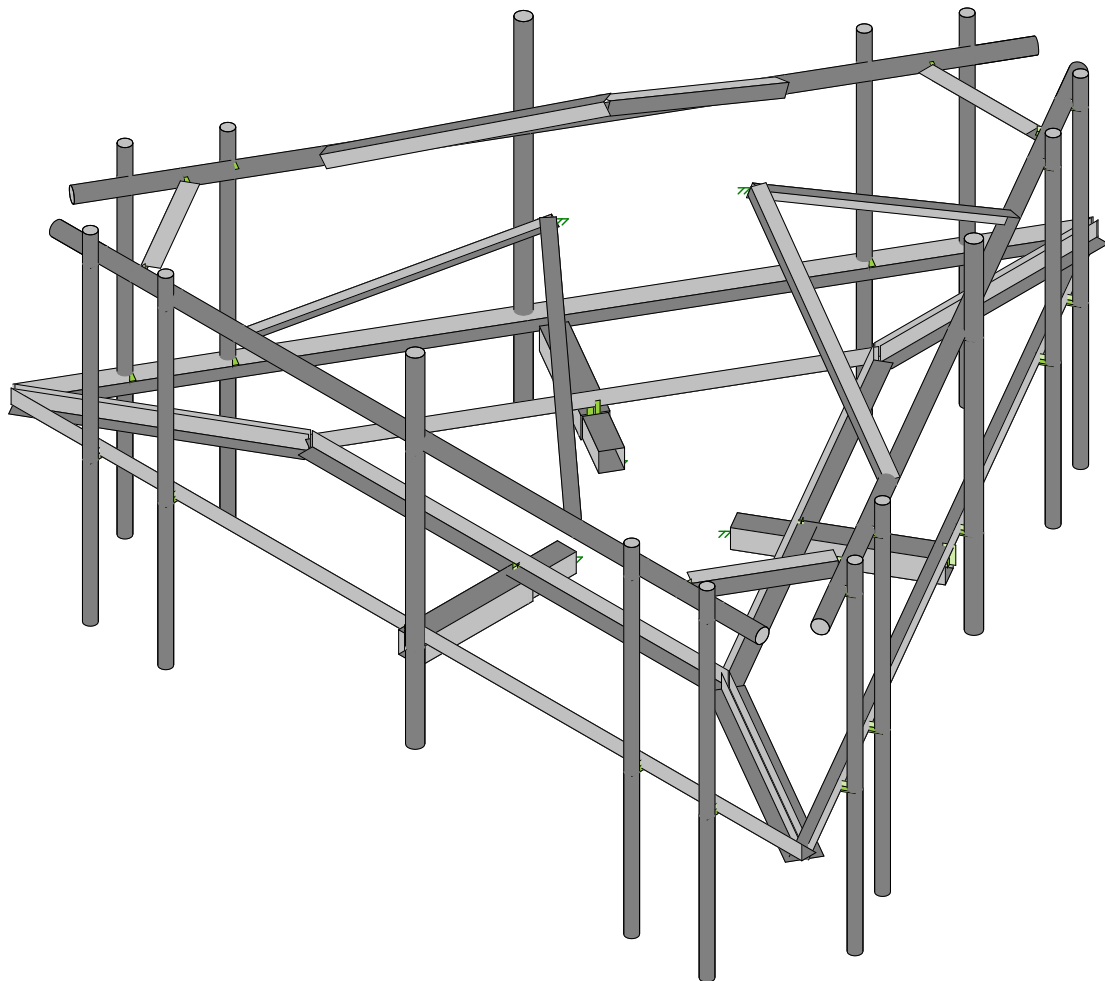
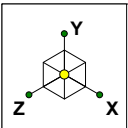
1/4" THK. FLANGE

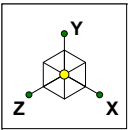
(3) 1/2"Ø BOLTS

1/2"Ø U-BOLTS (TYP.)



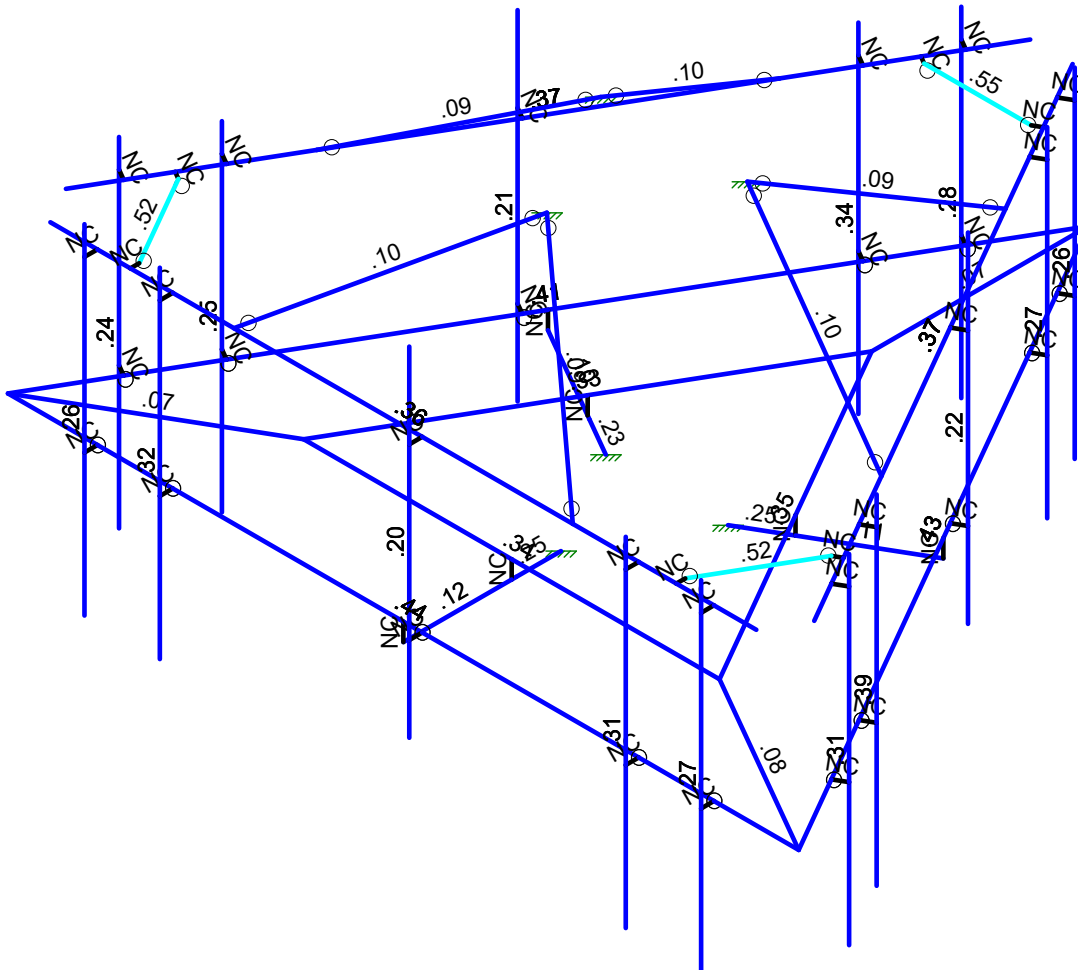
CROSSOVER PLATE DETAIL



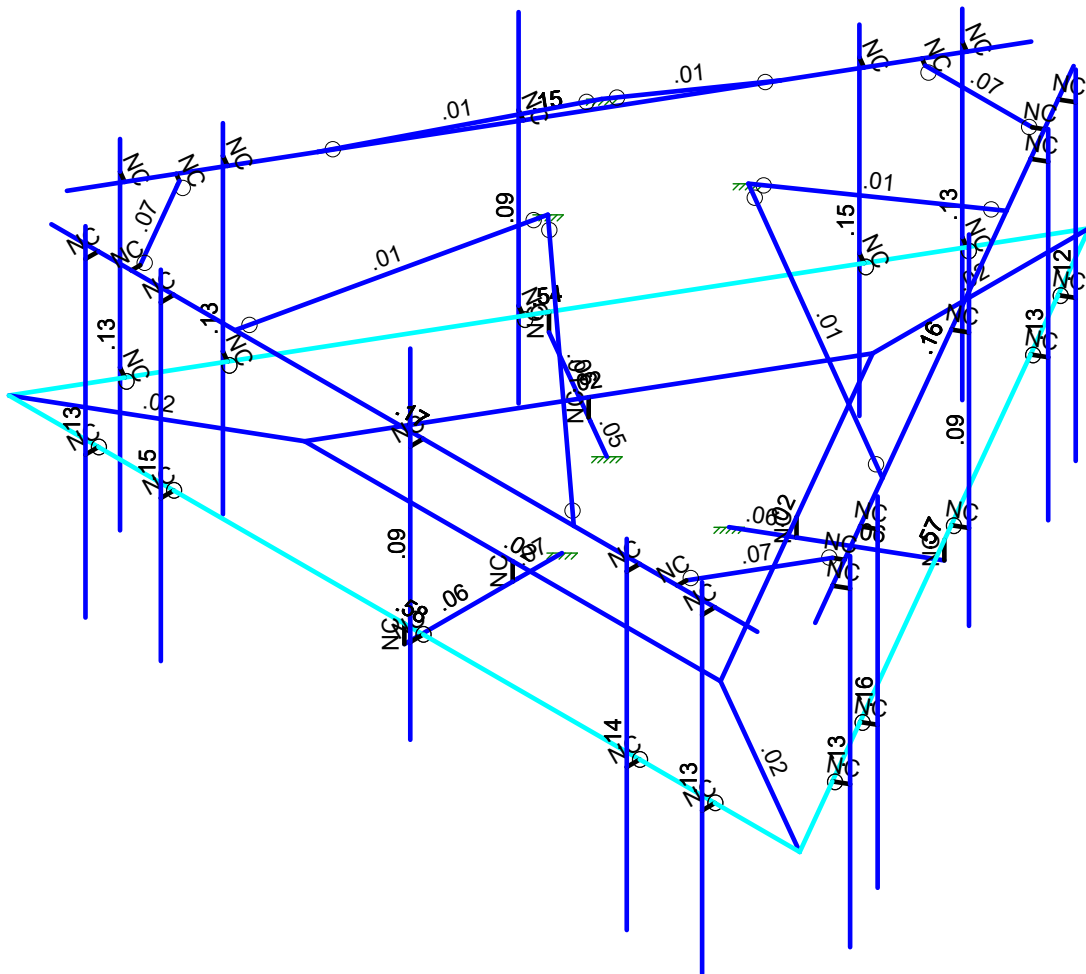
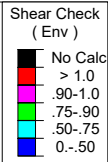
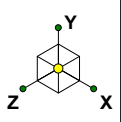


Code Check
(Env)

- No Calc
- > 1.0
- .90-1.0
- .75-.90
- .50-.75
- 0-.50



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



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



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

Basic Load Cases

	BLC Description	Category	X Gra...	Y Gra...	Z Grav...	Joint	Point	Distrib...	Area(Member)	Surface(Plate/W...
1	Antenna D	None					132			
2	Antenna Di	None					132			
3	Antenna Wo (0 Deg)	None					132			
4	Antenna Wo (30 Deg)	None					132			
5	Antenna Wo (60 Deg)	None					132			
6	Antenna Wo (90 Deg)	None					132			
7	Antenna Wo (120 Deg)	None					132			
8	Antenna Wo (150 Deg)	None					132			
9	Antenna Wo (180 Deg)	None					132			
10	Antenna Wo (210 Deg)	None					132			
11	Antenna Wo (240 Deg)	None					132			
12	Antenna Wo (270 Deg)	None					132			
13	Antenna Wo (300 Deg)	None					132			
14	Antenna Wo (330 Deg)	None					132			
15	Antenna Wi (0 Deg)	None					132			
16	Antenna Wi (30 Deg)	None					132			
17	Antenna Wi (60 Deg)	None					132			
18	Antenna Wi (90 Deg)	None					132			
19	Antenna Wi (120 Deg)	None					132			
20	Antenna Wi (150 Deg)	None					132			
21	Antenna Wi (180 Deg)	None					132			
22	Antenna Wi (210 Deg)	None					132			
23	Antenna Wi (240 Deg)	None					132			
24	Antenna Wi (270 Deg)	None					132			
25	Antenna Wi (300 Deg)	None					132			
26	Antenna Wi (330 Deg)	None					132			
27	Antenna Wm (0 Deg)	None					132			
28	Antenna Wm (30 Deg)	None					132			
29	Antenna Wm (60 Deg)	None					132			
30	Antenna Wm (90 Deg)	None					132			
31	Antenna Wm (120 Deg)	None					132			
32	Antenna Wm (150 Deg)	None					132			
33	Antenna Wm (180 Deg)	None					132			
34	Antenna Wm (210 Deg)	None					132			
35	Antenna Wm (240 Deg)	None					132			
36	Antenna Wm (270 Deg)	None					132			
37	Antenna Wm (300 Deg)	None					132			
38	Antenna Wm (330 Deg)	None					132			
39	Structure D	None		-1					3	
40	Structure Di	None						42	3	
41	Structure Wo (0 Deg)	None						84		
42	Structure Wo (30 Deg)	None						84		
43	Structure Wo (60 Deg)	None						84		
44	Structure Wo (90 Deg)	None						84		
45	Structure Wo (120 Deg)	None						84		
46	Structure Wo (150 Deg)	None						84		
47	Structure Wo (180 Deg)	None						84		
48	Structure Wo (210 Deg)	None						84		
49	Structure Wo (240 Deg)	None						84		
50	Structure Wo (270 Deg)	None						84		
51	Structure Wo (300 Deg)	None						84		
52	Structure Wo (330 Deg)	None						84		
53	Structure Wi (0 Deg)	None						84		
54	Structure Wi (30 Deg)	None						84		
55	Structure Wi (60 Deg)	None						84		
56	Structure Wi (90 Deg)	None						84		



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

Basic Load Cases (Continued)

BLC Description	Category	X Gra...	Y Gra...	Z Grav...	Joint	Point	Distrib...	Area(Member)	Surface(Plate/W...
57 Structure Wi (120 Deg)	None						84		
58 Structure Wi (150 Deg)	None						84		
59 Structure Wi (180 Deg)	None						84		
60 Structure Wi (210 Deg)	None						84		
61 Structure Wi (240 Deg)	None						84		
62 Structure Wi (270 Deg)	None						84		
63 Structure Wi (300 Deg)	None						84		
64 Structure Wi (330 Deg)	None						84		
65 Structure Wm (0 Deg)	None						84		
66 Structure Wm (30 Deg)	None						84		
67 Structure Wm (60 Deg)	None						84		
68 Structure Wm (90 Deg)	None						84		
69 Structure Wm (120 Deg)	None						84		
70 Structure Wm (150 Deg)	None						84		
71 Structure Wm (180 Deg)	None						84		
72 Structure Wm (210 Deg)	None						84		
73 Structure Wm (240 Deg)	None						84		
74 Structure Wm (270 Deg)	None						84		
75 Structure Wm (300 Deg)	None						84		
76 Structure Wm (330 Deg)	None						84		
77 Lm1	None					1			
78 Lm2	None					1			
79 Lv1	None					1			
80 Lv2	None					1			
81 BLC 39 Transient Area Loads	None						30		
82 BLC 40 Transient Area Loads	None						30		

Load Combinations

Description	S...	PDel...	SRSSB...	Fa...B...	Fa...B...	BLC Fa...B...	Fa...B...	Fa...B...	Fa...B...	Fa...B...	Fa...B...	Fa...B...	Fa...B...	Fa...B...	Fa...B...	Fa...B...	Fa...B...	Fa...B...
1 1.2D+1.0Wo (0 Deg)	Y...	Y	1	1.2	39	1.2	3	1	41	1								
2 1.2D+1.0Wo (30 Deg)	Y...	Y	1	1.2	39	1.2	4	1	42	1								
3 1.2D+1.0Wo (60 Deg)	Y...	Y	1	1.2	39	1.2	5	1	43	1								
4 1.2D+1.0Wo (90 Deg)	Y...	Y	1	1.2	39	1.2	6	1	44	1								
5 1.2D+1.0Wo (120 Deg)	Y...	Y	1	1.2	39	1.2	7	1	45	1								
6 1.2D+1.0Wo (150 Deg)	Y...	Y	1	1.2	39	1.2	8	1	46	1								
7 1.2D+1.0Wo (180 Deg)	Y...	Y	1	1.2	39	1.2	9	1	47	1								
8 1.2D+1.0Wo (210 Deg)	Y...	Y	1	1.2	39	1.2	10	1	48	1								
9 1.2D+1.0Wo (240 Deg)	Y...	Y	1	1.2	39	1.2	11	1	49	1								
10 1.2D+1.0Wo (270 Deg)	Y...	Y	1	1.2	39	1.2	12	1	50	1								
11 1.2D+1.0Wo (300 Deg)	Y...	Y	1	1.2	39	1.2	13	1	51	1								
12 1.2D+1.0Wo (330 Deg)	Y...	Y	1	1.2	39	1.2	14	1	52	1								
13 1.2D + 1.0Di + 1.0Wi (0 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	15	1	53	1				
14 1.2D + 1.0Di + 1.0Wi (30 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	16	1	54	1				
15 1.2D + 1.0Di + 1.0Wi (60 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	17	1	55	1				
16 1.2D + 1.0Di + 1.0Wi (90 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	18	1	56	1				
17 1.2D + 1.0Di + 1.0Wi (120 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	19	1	57	1				
18 1.2D + 1.0Di + 1.0Wi (150 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	20	1	58	1				
19 1.2D + 1.0Di + 1.0Wi (180 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	21	1	59	1				
20 1.2D + 1.0Di + 1.0Wi (210 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	22	1	60	1				
21 1.2D + 1.0Di + 1.0Wi (240 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	23	1	61	1				
22 1.2D + 1.0Di + 1.0Wi (270 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	24	1	62	1				
23 1.2D + 1.0Di + 1.0Wi (300 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	25	1	63	1				
24 1.2D + 1.0Di + 1.0Wi (330 Deg)	Y...	Y	1	1.2	39	1.2	2	1	40	1	26	1	64	1				
25 1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Y...	Y	1	1.2	39	1.2	77	1.5	27	1	65	1						
26 1.2D + 1.5Lm1 + 1.0Wm (30 Deg)	Y...	Y	1	1.2	39	1.2	77	1.5	28	1	66	1						



Load Combinations (Continued)

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

Joint Coordinates and Temperatures

Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	7	0	4.041452	0
2	N2	-7	0	4.041452	0
3	N3	-3.680236	0	2.124785	0
4	N4	3.680236	0	2.124785	0
5	N5	0	-0.3125	4.041452	0
6	N8	0	-0.3125	2.124785	0
7	N44	-0.	0	-8.082904	0
8	N45	-0.	0	-4.24957	0
9	N24	0	-0.3125	1.249785	0
10	N14	-3.5	0	-2.020726	0
11	N15	-1.840118	0	-1.062393	0
12	N17	3.5	0	-2.020726	0
13	N18	1.840118	0	-1.062393	0
14	N24A	5.5	0	4.270619	0



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N25	5.5	0	4.041452	0	
16	N16	0	0	4.041452	0	
17	N17A	0	0	2.124785	0	
18	N18A	0	-0.3125	2.041452	0	
19	N19	-3.5	-0.3125	-2.020726	0	
20	N20	-1.840118	-0.3125	-1.062393	0	
21	N21	-1.082346	-0.3125	-0.624893	0	
22	N24B	-1.767949	-0.3125	-1.020726	0	
23	N25A	3.5	-0.3125	-2.020726	0	
24	N26	1.840118	-0.3125	-1.062393	0	
25	N27	1.082346	-0.3125	-0.624893	0	
26	N30	1.767949	-0.3125	-1.020726	0	
27	N27A	0	0	0	0	
28	N28	5.5	3.5	4.270619	0	
29	N29	5.5	-2.5	4.270619	0	
30	N30A	4.166667	0	4.270619	0	
31	N31	4.166667	0	4.041452	0	
32	N32	4.166667	3.5	4.270619	0	
33	N33	4.166667	-2.5	4.270619	0	
34	N34	0.333333	0	4.270619	0	
35	N35	0.333333	0	4.041452	0	
36	N36	0.333333	4.5	4.270619	0	
37	N37	0.333333	-1.5	4.270619	0	
38	N38	-4.083333	0	4.270619	0	
39	N39	-4.083333	0	4.041452	0	
40	N40	-4.083333	3.5	4.270619	0	
41	N41	-4.083333	-2.5	4.270619	0	
42	N42	-5.416667	0	4.270619	0	
43	N43	-5.416667	0	4.041452	0	
44	N44A	-5.416667	3.5	4.270619	0	
45	N45A	-5.416667	-2.5	4.270619	0	
46	N46	-6.448464	0	2.62783	0	
47	N47	-6.25	0	2.742414	0	
48	N49	-6.448464	3.5	2.62783	0	
49	N50	-6.448464	-2.5	2.62783	0	
50	N51	-5.781797	0	1.47313	0	
51	N52	-5.583333	0	1.587713	0	
52	N53	-5.781797	3.5	1.47313	0	
53	N54	-5.781797	-2.5	1.47313	0	
54	N55	-3.865131	0	-1.846634	0	
55	N56	-3.666667	0	-1.732051	0	
56	N57	-3.865131	4.5	-1.846634	0	
57	N58	-3.865131	-1.5	-1.846634	0	
58	N59	-1.656797	0	-5.67158	0	
59	N60	-1.458333	0	-5.556996	0	
60	N61	-1.656797	3.5	-5.67158	0	
61	N62	-1.656797	-2.5	-5.67158	0	
62	N63	-0.990131	0	-6.82628	0	
63	N64	-0.791667	0	-6.711697	0	
64	N65	-0.990131	3.5	-6.82628	0	
65	N66	-0.990131	-2.5	-6.82628	0	
66	N67	0.948464	0	-6.898449	0	
67	N68	0.75	0	-6.783866	0	
68	N70	0.948464	3.5	-6.898449	0	
69	N71	0.948464	-2.5	-6.898449	0	
70	N72	1.615131	0	-5.743748	0	
71	N73	1.416667	0	-5.629165	0	



Company : GPD
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 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap..
72	N74	1.615131	3.5	-5.743748	0	
73	N75	1.615131	-2.5	-5.743748	0	
74	N76	3.531797	0	-2.423984	0	
75	N77	3.333333	0	-2.309401	0	
76	N78	3.531797	4.5	-2.423984	0	
77	N79	3.531797	-1.5	-2.423984	0	
78	N80	5.740131	0	1.400961	0	
79	N81	5.541667	0	1.515544	0	
80	N82	5.740131	3.5	1.400961	0	
81	N83	5.740131	-2.5	1.400961	0	
82	N84	6.406797	0	2.555662	0	
83	N85	6.208333	0	2.670245	0	
84	N86	6.406797	3.5	2.555662	0	
85	N87	6.406797	-2.5	2.555662	0	
86	N86A	7	3	4.041452	0	
87	N87A	-7	3	4.041452	0	
88	N88	-0.	3	-8.082904	0	
89	N89	5.5	3	4.270619	0	
90	N90	5.5	3	4.041452	0	
91	N91	6.25	3	4.041452	0	
92	N92	4.166667	3	4.270619	0	
93	N93	4.166667	3	4.041452	0	
94	N94	0.333333	3	4.270619	0	
95	N95	0.333333	3	4.041452	0	
96	N96	-4.083333	3	4.270619	0	
97	N97	-4.083333	3	4.041452	0	
98	N98	-5.416667	3	4.270619	0	
99	N99	-5.416667	3	4.041452	0	
100	N100	-6.448464	3	2.62783	0	
101	N101	-6.25	3	2.742414	0	
102	N102	-5.781797	3	1.47313	0	
103	N103	-5.583333	3	1.587713	0	
104	N104	-3.865131	3	-1.846634	0	
105	N105	-3.666667	3	-1.732051	0	
106	N106	-1.656797	3	-5.67158	0	
107	N107	-1.458333	3	-5.556996	0	
108	N108	-0.990131	3	-6.82628	0	
109	N109	-0.791667	3	-6.711697	0	
110	N110	0.948464	3	-6.898449	0	
111	N111	0.75	3	-6.783866	0	
112	N112	1.615131	3	-5.743748	0	
113	N113	1.416667	3	-5.629165	0	
114	N114	3.531797	3	-2.423984	0	
115	N115	3.333333	3	-2.309401	0	
116	N116	5.740131	3	1.400961	0	
117	N117	5.541667	3	1.515544	0	
118	N118	6.406797	3	2.555662	0	
119	N119	6.208333	3	2.670245	0	
120	N120	-6.25	3	4.041452	0	
121	N121	-6.625	3	3.391933	0	
122	N122	-0.375	3	-7.433385	0	
123	N123	0.375	3	-7.433385	0	
124	N124	6.625	3	3.391933	0	
125	N125	4.833333	3	4.041452	0	
126	N126	-4.833333	3	4.041452	0	
127	N127	4.833333	3	3.883744	0	
128	N128	-4.833333	3	3.883744	0	



Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N129	-5.916667	3	2.165064	0	
130	N130	-1.083333	3	-6.206515	0	
131	N131	-5.780087	3	2.243918	0	
132	N132	-0.946754	3	-6.127661	0	
133	N133	1.083333	3	-6.206515	0	
134	N134	5.916667	3	2.165064	0	
135	N135	0.946754	3	-6.127661	0	
136	N136	5.780087	3	2.243918	0	
137	N137	0	5	1.499785	0	
138	N138	3	3	4.041452	0	
139	N139	-3	3	4.041452	0	
140	N140	-1.298852	5	-0.749893	0	
141	N141	-5	3	0.57735	0	
142	N142	-2	3	-4.618802	0	
143	N143	1.298852	5	-0.749893	0	
144	N144	2	3	-4.618802	0	
145	N145	5	3	0.57735	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules A [in...lvy [i...lzz [i...J [in4]
1	Face Horizontal	L3X3X4	None	None	A36 Gr.36	Typical 1.44 1.23 1.23 .031
2	Inner Horizontal	L3X3X4	None	None	A36 Gr.36	Typical 1.44 1.23 1.23 .031
3	Corner Double Angle	LL3x3x4x0	None	None	A36 Gr.36	Typical 2.88 4.5 2.46 .063
4	Standoff Arm Inner Sleeve	HSS4X4X4	None	None	A500 Gr.B Rect	Typical 3.37 7.8 7.8 12.8
5	Standoff Arm Outer Sleeve	HSS4.5X4.5X4	None	None	A500 Gr.B Rect	Typical 3.84 11.4 11.4 18.5
6	Pipe Mount (P2 STD)	PIPE 2.0	None	None	A53 Gr.B	Typical 1.02 .627 .627 1.25
7	Pipe Mount (P2.5 STD)	PIPE 2.5	None	None	A53 Gr.B	Typical 1.61 1.45 1.45 2.89
8	Mod Support Rail	PIPE 2.5	None	None	A53 Gr.B	Typical 1.61 1.45 1.45 2.89
9	Mod SR Corner Angle	L3X3X4	None	None	A36 Gr.36	Typical 1.44 1.23 1.23 .031
10	Mod Vkit	L2.5x2.5x4	None	None	A36 Gr.36	Typical 1.19 .692 .692 .026

Hot Rolled Steel Properties

	Label	E [ksj]	G [ksj]	Nu	Therm (1E5 F)	Density[k/ft^3]	Yield[ksj]	Ry	Fu[ksj]	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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
1	M1	N1	N2			Face Horizontal	None	None	A36 Gr.36	Typical
2	M2	N3	N4			Inner Horizontal	None	None	A36 Gr.36	Typical
3	M3	N4	N1		180	Corner Double Angle	None	None	A36 Gr.36	Typical
4	M17	N24A	N25			RIGID	None	None	RIGID	Typical
5	M23	N2	N44			Face Horizontal	None	None	A36 Gr.36	Typical
6	M24	N45	N3			Inner Horizontal	None	None	A36 Gr.36	Typical
7	M25	N3	N2		180	Corner Double Angle	None	None	A36 Gr.36	Typical
8	M45	N44	N1			Face Horizontal	None	None	A36 Gr.36	Typical
9	M46	N4	N45			Inner Horizontal	None	None	A36 Gr.36	Typical



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 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
10	M47	N45	N44		180	Corner Double Angle	None	None	A36 Gr.36	Typical
11	M12	N17A	N8		90	RIGID	None	None	RIGID	Typical
12	M13	N16	N5		90	RIGID	None	None	RIGID	Typical
13	M13A	N24	N18A			Standoff Arm Inner Sleeve	None	None	A500 Gr...	Typical
14	M14	N18A	N5			Standoff Arm Outer Sleeve	None	None	A500 Gr...	Typical
15	M15	N15	N20		210	RIGID	None	None	RIGID	Typical
16	M16	N14	N19		210	RIGID	None	None	RIGID	Typical
17	M17A	N21	N24B			Standoff Arm Inner Sleeve	None	None	A500 Gr...	Typical
18	M18	N24B	N19			Standoff Arm Outer Sleeve	None	None	A500 Gr...	Typical
19	M19	N18	N26		330	RIGID	None	None	RIGID	Typical
20	M20	N17	N25A		330	RIGID	None	None	RIGID	Typical
21	M21	N27	N30			Standoff Arm Inner Sleeve	None	None	A500 Gr...	Typical
22	M22	N30	N25A			Standoff Arm Outer Sleeve	None	None	A500 Gr...	Typical
23	MP1A	N28	N29			Pipe Mount (P2 STD)	None	None	A53 Gr.B	Typical
24	M24A	N30A	N31			RIGID	None	None	RIGID	Typical
25	MP2A	N32	N33			Pipe Mount (P2 STD)	None	None	A53 Gr.B	Typical
26	M26	N34	N35			RIGID	None	None	RIGID	Typical
27	MP3A	N36	N37			Pipe Mount (P2.5 STD)	None	None	A53 Gr.B	Typical
28	M28	N38	N39			RIGID	None	None	RIGID	Typical
29	MP4A	N40	N41			Pipe Mount (P2 STD)	None	None	A53 Gr.B	Typical
30	M30	N42	N43			RIGID	None	None	RIGID	Typical
31	MP5A	N44A	N45A			Pipe Mount (P2 STD)	None	None	A53 Gr.B	Typical
32	M32	N46	N47			RIGID	None	None	RIGID	Typical
33	MP1B	N49	N50			Pipe Mount (P2 STD)	None	None	A53 Gr.B	Typical
34	M34	N51	N52			RIGID	None	None	RIGID	Typical
35	MP2B	N53	N54			Pipe Mount (P2 STD)	None	None	A53 Gr.B	Typical
36	M36	N55	N56			RIGID	None	None	RIGID	Typical
37	MP3B	N57	N58			Pipe Mount (P2.5 STD)	None	None	A53 Gr.B	Typical
38	M38	N59	N60			RIGID	None	None	RIGID	Typical
39	MP4B	N61	N62			Pipe Mount (P2 STD)	None	None	A53 Gr.B	Typical
40	M40	N63	N64			RIGID	None	None	RIGID	Typical
41	MP5B	N65	N66			Pipe Mount (P2 STD)	None	None	A53 Gr.B	Typical
42	M42	N67	N68			RIGID	None	None	RIGID	Typical
43	MP1C	N70	N71			Pipe Mount (P2 STD)	None	None	A53 Gr.B	Typical
44	M44	N72	N73			RIGID	None	None	RIGID	Typical
45	MP2C	N74	N75			Pipe Mount (P2 STD)	None	None	A53 Gr.B	Typical
46	M46A	N76	N77			RIGID	None	None	RIGID	Typical
47	MP3C	N78	N79			Pipe Mount (P2.5 STD)	None	None	A53 Gr.B	Typical
48	M48	N80	N81			RIGID	None	None	RIGID	Typical
49	MP4C	N82	N83			Pipe Mount (P2 STD)	None	None	A53 Gr.B	Typical
50	M50	N84	N85			RIGID	None	None	RIGID	Typical
51	MP5C	N86	N87			Pipe Mount (P2 STD)	None	None	A53 Gr.B	Typical
52	M52	N91	N120			Mod Support Rail	None	None	A53 Gr.B	Typical
53	M53	N89	N90			RIGID	None	None	RIGID	Typical
54	M54	N121	N122			Mod Support Rail	None	None	A53 Gr.B	Typical
55	M55	N123	N124			Mod Support Rail	None	None	A53 Gr.B	Typical
56	M56	N92	N93			RIGID	None	None	RIGID	Typical
57	M57	N94	N95			RIGID	None	None	RIGID	Typical
58	M58	N96	N97			RIGID	None	None	RIGID	Typical
59	M59	N98	N99			RIGID	None	None	RIGID	Typical
60	M60	N100	N101			RIGID	None	None	RIGID	Typical
61	M61	N102	N103			RIGID	None	None	RIGID	Typical
62	M62	N104	N105			RIGID	None	None	RIGID	Typical
63	M63	N106	N107			RIGID	None	None	RIGID	Typical
64	M64	N108	N109			RIGID	None	None	RIGID	Typical
65	M65	N110	N111			RIGID	None	None	RIGID	Typical
66	M66	N112	N113			RIGID	None	None	RIGID	Typical



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
67	M67	N114	N115			RIGID	None	None	RIGID	Typical
68	M68	N116	N117			RIGID	None	None	RIGID	Typical
69	M69	N118	N119			RIGID	None	None	RIGID	Typical
70	M70	N126	N128			RIGID	None	None	RIGID	Typical
71	M71	N125	N127			RIGID	None	None	RIGID	Typical
72	M72	N130	N132			RIGID	None	None	RIGID	Typical
73	M73	N129	N131			RIGID	None	None	RIGID	Typical
74	M74	N134	N136			RIGID	None	None	RIGID	Typical
75	M75	N133	N135			RIGID	None	None	RIGID	Typical
76	M76	N128	N131		90	Mod SR Corner Angle	None	None	A36 Gr.36	Typical
77	M77	N132	N135		90	Mod SR Corner Angle	None	None	A36 Gr.36	Typical
78	M78	N136	N127		90	Mod SR Corner Angle	None	None	A36 Gr.36	Typical
79	M79	N139	N137		90	Mod Vkit	None	None	A36 Gr.36	Typical
80	M80	N138	N137		180	Mod Vkit	None	None	A36 Gr.36	Typical
81	M81	N142	N140		90	Mod Vkit	None	None	A36 Gr.36	Typical
82	M82	N141	N140		180	Mod Vkit	None	None	A36 Gr.36	Typical
83	M83	N145	N143		90	Mod Vkit	None	None	A36 Gr.36	Typical
84	M84	N144	N143		180	Mod Vkit	None	None	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical Defl	Ratio Opti...	Analysis Offs...	Inactive	Seismi...
1	M1						Yes	** NA **			None
2	M2						Yes	** NA **			None
3	M3						Yes	** NA **			None
4	M17	OOOXOX					Yes	** NA **			None
5	M23						Yes	** NA **			None
6	M24						Yes	** NA **			None
7	M25						Yes	** NA **			None
8	M45						Yes	** NA **			None
9	M46						Yes	** NA **			None
10	M47						Yes	** NA **			None
11	M12						Yes	** NA **			None
12	M13						Yes	** NA **			None
13	M13A						Yes	** NA **			None
14	M14						Yes	** NA **			None
15	M15						Yes	** NA **			None
16	M16						Yes	** NA **			None
17	M17A						Yes	** NA **			None
18	M18						Yes	** NA **			None
19	M19						Yes	** NA **			None
20	M20						Yes	** NA **			None
21	M21						Yes	** NA **			None
22	M22						Yes	** NA **			None
23	MP1A						Yes	** NA **			None
24	M24A	OOOXOX					Yes	** NA **			None
25	MP2A						Yes	** NA **			None
26	M26	OOOXOX					Yes	** NA **			None
27	MP3A						Yes	** NA **			None
28	M28	OOOXOX					Yes	** NA **			None
29	MP4A						Yes	** NA **			None
30	M30	OOOXOX					Yes	** NA **			None
31	MP5A						Yes	** NA **			None
32	M32	OOOXOX					Yes	** NA **			None
33	MP1B						Yes	** NA **			None
34	M34	OOOXOX					Yes	** NA **			None



Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ratio	Opti...	Analysis Offs...	Inactive	Seismi...
35	MP2B						Yes	** NA **				None
36	M36	OOOXOX					Yes	** NA **				None
37	MP3B						Yes	** NA **				None
38	M38	OOOXOX					Yes	** NA **				None
39	MP4B						Yes	** NA **				None
40	M40	OOOXOX					Yes	** NA **				None
41	MP5B						Yes	** NA **				None
42	M42	OOOXOX					Yes	** NA **				None
43	MP1C						Yes	** NA **				None
44	M44	OOOXOX					Yes	** NA **				None
45	MP2C						Yes	** NA **				None
46	M46A	OOOXOX					Yes	** NA **				None
47	MP3C						Yes	** NA **				None
48	M48	OOOXOX					Yes	** NA **				None
49	MP4C						Yes	** NA **				None
50	M50	OOOXOX					Yes	** NA **				None
51	MP5C						Yes	** NA **				None
52	M52						Yes	** NA **				None
53	M53						Yes	** NA **				None
54	M54						Yes	** NA **				None
55	M55						Yes	** NA **				None
56	M56						Yes	** NA **				None
57	M57						Yes	** NA **				None
58	M58						Yes	** NA **				None
59	M59						Yes	** NA **				None
60	M60						Yes	** NA **				None
61	M61						Yes	** NA **				None
62	M62						Yes	** NA **				None
63	M63						Yes	** NA **				None
64	M64						Yes	** NA **				None
65	M65						Yes	** NA **				None
66	M66						Yes	** NA **				None
67	M67						Yes	** NA **				None
68	M68						Yes	** NA **				None
69	M69						Yes	** NA **				None
70	M70	OOOOOX					Yes	** NA **				None
71	M71	OOOOOX					Yes	** NA **				None
72	M72	OOOOOX					Yes	** NA **				None
73	M73	OOOOOX					Yes	** NA **				None
74	M74	OOOOOX					Yes	** NA **				None
75	M75	OOOOOX					Yes	** NA **				None
76	M76						Yes	** NA **				None
77	M77						Yes	** NA **				None
78	M78						Yes	** NA **				None
79	M79	BenPIN	BenPIN				Yes	** NA **				None
80	M80	BenPIN	BenPIN				Yes	** NA **				None
81	M81	BenPIN	BenPIN				Yes	** NA **				None
82	M82	BenPIN	BenPIN				Yes	** NA **				None
83	M83	BenPIN	BenPIN				Yes	** NA **				None
84	M84	BenPIN	BenPIN				Yes	** NA **				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	Y	-21.85	.67
2	MP3A	My	-.022	.67



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
3	MP3A	Mz	-.013	.67
4	MP3A	Y	-21.85	5.33
5	MP3A	My	-.022	5.33
6	MP3A	Mz	-.013	5.33
7	MP3B	Y	-21.85	.67
8	MP3B	My	.022	.67
9	MP3B	Mz	-.013	.67
10	MP3B	Y	-21.85	5.33
11	MP3B	My	.022	5.33
12	MP3B	Mz	-.013	5.33
13	MP3C	Y	-21.85	.67
14	MP3C	My	-.000113	.67
15	MP3C	Mz	.025	.67
16	MP3C	Y	-21.85	5.33
17	MP3C	My	-.000113	5.33
18	MP3C	Mz	.025	5.33
19	MP3A	Y	-21.85	.67
20	MP3A	My	-.022	.67
21	MP3A	Mz	.013	.67
22	MP3A	Y	-21.85	5.33
23	MP3A	My	-.022	5.33
24	MP3A	Mz	.013	5.33
25	MP3B	Y	-21.85	.67
26	MP3B	My	-.000113	.67
27	MP3B	Mz	-.025	.67
28	MP3B	Y	-21.85	5.33
29	MP3B	My	-.000113	5.33
30	MP3B	Mz	-.025	5.33
31	MP3C	Y	-21.85	.67
32	MP3C	My	.022	.67
33	MP3C	Mz	.013	.67
34	MP3C	Y	-21.85	5.33
35	MP3C	My	.022	5.33
36	MP3C	Mz	.013	5.33
37	MP4A	Y	-43.55	1.04
38	MP4A	My	-.044	1.04
39	MP4A	Mz	0	1.04
40	MP4A	Y	-43.55	2.96
41	MP4A	My	-.044	2.96
42	MP4A	Mz	0	2.96
43	MP4B	Y	-43.55	1.04
44	MP4B	My	.022	1.04
45	MP4B	Mz	-.038	1.04
46	MP4B	Y	-43.55	2.96
47	MP4B	My	.022	2.96
48	MP4B	Mz	-.038	2.96
49	MP4C	Y	-43.55	1.04
50	MP4C	My	.022	1.04
51	MP4C	Mz	.038	1.04
52	MP4C	Y	-43.55	2.96
53	MP4C	My	.022	2.96
54	MP4C	Mz	.038	2.96
55	MP4A	Y	-35.15	2
56	MP4A	My	.035	2
57	MP4A	Mz	0	2
58	MP4A	Y	-35.15	2
59	MP4A	My	.035	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
60	MP4A	Mz	0	2
61	MP4B	Y	-35.15	2
62	MP4B	My	-.018	2
63	MP4B	Mz	.03	2
64	MP4B	Y	-35.15	2
65	MP4B	My	-.018	2
66	MP4B	Mz	.03	2
67	MP4C	Y	-35.15	2
68	MP4C	My	-.018	2
69	MP4C	Mz	-.03	2
70	MP4C	Y	-35.15	2
71	MP4C	My	-.018	2
72	MP4C	Mz	-.03	2
73	MP5A	Y	-42.2	2
74	MP5A	My	.042	2
75	MP5A	Mz	0	2
76	MP5A	Y	-42.2	2
77	MP5A	My	.042	2
78	MP5A	Mz	0	2
79	MP5B	Y	-42.2	2
80	MP5B	My	-.021	2
81	MP5B	Mz	.037	2
82	MP5B	Y	-42.2	2
83	MP5B	My	-.021	2
84	MP5B	Mz	.037	2
85	MP5C	Y	-42.2	2
86	MP5C	My	-.021	2
87	MP5C	Mz	-.037	2
88	MP5C	Y	-42.2	2
89	MP5C	My	-.021	2
90	MP5C	Mz	-.037	2
91	MP2A	Y	-16	2
92	MP2A	My	.008	2
93	MP2A	Mz	0	2
94	MP2A	Y	-16	2
95	MP2A	My	.008	2
96	MP2A	Mz	0	2
97	MP1C	Y	-10	.53
98	MP1C	My	.006	.53
99	MP1C	Mz	.01	.53
100	MP1C	Y	-10	3.47
101	MP1C	My	.006	3.47
102	MP1C	Mz	.01	3.47
103	MP5C	Y	-10	.53
104	MP5C	My	.006	.53
105	MP5C	Mz	.01	.53
106	MP5C	Y	-10	3.47
107	MP5C	My	.006	3.47
108	MP5C	Mz	.01	3.47
109	MP1A	Y	-6	.53
110	MP1A	My	-.007	.53
111	MP1A	Mz	0	.53
112	MP1A	Y	-6	3.47
113	MP1A	My	-.007	3.47
114	MP1A	Mz	0	3.47
115	MP1B	Y	-6	.53
116	MP1B	My	.004	.53



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
117	MP1B	Mz	-.006	.53
118	MP1B	Y	-6	3.47
119	MP1B	My	.004	3.47
120	MP1B	Mz	-.006	3.47
121	MP5A	Y	-6	.53
122	MP5A	My	-.007	.53
123	MP5A	Mz	0	.53
124	MP5A	Y	-6	3.47
125	MP5A	My	-.007	3.47
126	MP5A	Mz	0	3.47
127	MP5B	Y	-6	.53
128	MP5B	My	.004	.53
129	MP5B	Mz	-.006	.53
130	MP5B	Y	-6	3.47
131	MP5B	My	.004	3.47
132	MP5B	Mz	-.006	3.47

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	Y	-98.548	.67
2	MP3A	My	-.099	.67
3	MP3A	Mz	-.057	.67
4	MP3A	Y	-98.548	5.33
5	MP3A	My	-.099	5.33
6	MP3A	Mz	-.057	5.33
7	MP3B	Y	-98.548	.67
8	MP3B	My	.099	.67
9	MP3B	Mz	-.057	.67
10	MP3B	Y	-98.548	5.33
11	MP3B	My	.099	5.33
12	MP3B	Mz	-.057	5.33
13	MP3C	Y	-98.548	.67
14	MP3C	My	-.000511	.67
15	MP3C	Mz	.114	.67
16	MP3C	Y	-98.548	5.33
17	MP3C	My	-.000511	5.33
18	MP3C	Mz	.114	5.33
19	MP3A	Y	-98.548	.67
20	MP3A	My	-.099	.67
21	MP3A	Mz	.057	.67
22	MP3A	Y	-98.548	5.33
23	MP3A	My	-.099	5.33
24	MP3A	Mz	.057	5.33
25	MP3B	Y	-98.548	.67
26	MP3B	My	-.000511	.67
27	MP3B	Mz	-.114	.67
28	MP3B	Y	-98.548	5.33
29	MP3B	My	-.000511	5.33
30	MP3B	Mz	-.114	5.33
31	MP3C	Y	-98.548	.67
32	MP3C	My	.099	.67
33	MP3C	Mz	.057	.67
34	MP3C	Y	-98.548	5.33
35	MP3C	My	.099	5.33
36	MP3C	Mz	.057	5.33
37	MP4A	Y	-58.192	1.04



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
38	MP4A	My	-.058	1.04
39	MP4A	Mz	0	1.04
40	MP4A	Y	-58.192	2.96
41	MP4A	My	-.058	2.96
42	MP4A	Mz	0	2.96
43	MP4B	Y	-58.192	1.04
44	MP4B	My	.029	1.04
45	MP4B	Mz	-.05	1.04
46	MP4B	Y	-58.192	2.96
47	MP4B	My	.029	2.96
48	MP4B	Mz	-.05	2.96
49	MP4C	Y	-58.192	1.04
50	MP4C	My	.029	1.04
51	MP4C	Mz	.05	1.04
52	MP4C	Y	-58.192	2.96
53	MP4C	My	.029	2.96
54	MP4C	Mz	.05	2.96
55	MP4A	Y	-33.419	2
56	MP4A	My	.033	2
57	MP4A	Mz	0	2
58	MP4A	Y	-33.419	2
59	MP4A	My	.033	2
60	MP4A	Mz	0	2
61	MP4B	Y	-33.419	2
62	MP4B	My	-.017	2
63	MP4B	Mz	.029	2
64	MP4B	Y	-33.419	2
65	MP4B	My	-.017	2
66	MP4B	Mz	.029	2
67	MP4C	Y	-33.419	2
68	MP4C	My	-.017	2
69	MP4C	Mz	-.029	2
70	MP4C	Y	-33.419	2
71	MP4C	My	-.017	2
72	MP4C	Mz	-.029	2
73	MP5A	Y	-37.003	2
74	MP5A	My	.037	2
75	MP5A	Mz	0	2
76	MP5A	Y	-37.003	2
77	MP5A	My	.037	2
78	MP5A	Mz	0	2
79	MP5B	Y	-37.003	2
80	MP5B	My	-.019	2
81	MP5B	Mz	.032	2
82	MP5B	Y	-37.003	2
83	MP5B	My	-.019	2
84	MP5B	Mz	.032	2
85	MP5C	Y	-37.003	2
86	MP5C	My	-.019	2
87	MP5C	Mz	-.032	2
88	MP5C	Y	-37.003	2
89	MP5C	My	-.019	2
90	MP5C	Mz	-.032	2
91	MP2A	Y	-71.134	2
92	MP2A	My	.036	2
93	MP2A	Mz	0	2
94	MP2A	Y	-71.134	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
95	MP2A	My	.036	2
96	MP2A	Mz	0	2
97	MP1C	Y	-101.159	.53
98	MP1C	My	.059	.53
99	MP1C	Mz	.102	.53
100	MP1C	Y	-101.159	3.47
101	MP1C	My	.059	3.47
102	MP1C	Mz	.102	3.47
103	MP5C	Y	-101.159	.53
104	MP5C	My	.059	.53
105	MP5C	Mz	.102	.53
106	MP5C	Y	-101.159	3.47
107	MP5C	My	.059	3.47
108	MP5C	Mz	.102	3.47
109	MP1A	Y	-65.912	.53
110	MP1A	My	-.077	.53
111	MP1A	Mz	0	.53
112	MP1A	Y	-65.912	3.47
113	MP1A	My	-.077	3.47
114	MP1A	Mz	0	3.47
115	MP1B	Y	-65.912	.53
116	MP1B	My	.038	.53
117	MP1B	Mz	-.067	.53
118	MP1B	Y	-65.912	3.47
119	MP1B	My	.038	3.47
120	MP1B	Mz	-.067	3.47
121	MP5A	Y	-65.912	.53
122	MP5A	My	-.077	.53
123	MP5A	Mz	0	.53
124	MP5A	Y	-65.912	3.47
125	MP5A	My	-.077	3.47
126	MP5A	Mz	0	3.47
127	MP5B	Y	-65.912	.53
128	MP5B	My	.038	.53
129	MP5B	Mz	-.067	.53
130	MP5B	Y	-65.912	3.47
131	MP5B	My	.038	3.47
132	MP5B	Mz	-.067	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	.67
2	MP3A	Z	-171.734	.67
3	MP3A	Mx	.1	.67
4	MP3A	X	0	5.33
5	MP3A	Z	-171.734	5.33
6	MP3A	Mx	.1	5.33
7	MP3B	X	0	.67
8	MP3B	Z	-128.083	.67
9	MP3B	Mx	.074	.67
10	MP3B	X	0	5.33
11	MP3B	Z	-128.083	5.33
12	MP3B	Mx	.074	5.33
13	MP3C	X	0	.67
14	MP3C	Z	-128.083	.67
15	MP3C	Mx	-.148	.67



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
16	MP3C	X	0	5.33
17	MP3C	Z	-128.083	5.33
18	MP3C	Mx	-.148	5.33
19	MP3A	X	0	.67
20	MP3A	Z	-171.734	.67
21	MP3A	Mx	-.1	.67
22	MP3A	X	0	5.33
23	MP3A	Z	-171.734	5.33
24	MP3A	Mx	-.1	5.33
25	MP3B	X	0	.67
26	MP3B	Z	-128.083	.67
27	MP3B	Mx	.148	.67
28	MP3B	X	0	5.33
29	MP3B	Z	-128.083	5.33
30	MP3B	Mx	.148	5.33
31	MP3C	X	0	.67
32	MP3C	Z	-128.083	.67
33	MP3C	Mx	-.074	.67
34	MP3C	X	0	5.33
35	MP3C	Z	-128.083	5.33
36	MP3C	Mx	-.074	5.33
37	MP4A	X	0	1.04
38	MP4A	Z	-99.895	1.04
39	MP4A	Mx	0	1.04
40	MP4A	X	0	2.96
41	MP4A	Z	-99.895	2.96
42	MP4A	Mx	0	2.96
43	MP4B	X	0	1.04
44	MP4B	Z	-54.305	1.04
45	MP4B	Mx	.047	1.04
46	MP4B	X	0	2.96
47	MP4B	Z	-54.305	2.96
48	MP4B	Mx	.047	2.96
49	MP4C	X	0	1.04
50	MP4C	Z	-54.305	1.04
51	MP4C	Mx	-.047	1.04
52	MP4C	X	0	2.96
53	MP4C	Z	-54.305	2.96
54	MP4C	Mx	-.047	2.96
55	MP4A	X	0	2
56	MP4A	Z	-39.745	2
57	MP4A	Mx	0	2
58	MP4A	X	0	2
59	MP4A	Z	-39.745	2
60	MP4A	Mx	0	2
61	MP4B	X	0	2
62	MP4B	Z	-26.076	2
63	MP4B	Mx	-.023	2
64	MP4B	X	0	2
65	MP4B	Z	-26.076	2
66	MP4B	Mx	-.023	2
67	MP4C	X	0	2
68	MP4C	Z	-26.076	2
69	MP4C	Mx	.023	2
70	MP4C	X	0	2
71	MP4C	Z	-26.076	2
72	MP4C	Mx	.023	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
73	MP5A	X	0	2
74	MP5A	Z	-39.745	2
75	MP5A	Mx	0	2
76	MP5A	X	0	2
77	MP5A	Z	-39.745	2
78	MP5A	Mx	0	2
79	MP5B	X	0	2
80	MP5B	Z	-29.862	2
81	MP5B	Mx	-.026	2
82	MP5B	X	0	2
83	MP5B	Z	-29.862	2
84	MP5B	Mx	-.026	2
85	MP5C	X	0	2
86	MP5C	Z	-29.862	2
87	MP5C	Mx	.026	2
88	MP5C	X	0	2
89	MP5C	Z	-29.862	2
90	MP5C	Mx	.026	2
91	MP2A	X	0	2
92	MP2A	Z	-86.292	2
93	MP2A	Mx	0	2
94	MP2A	X	0	2
95	MP2A	Z	-86.292	2
96	MP2A	Mx	0	2
97	MP1C	X	0	.53
98	MP1C	Z	-118.58	.53
99	MP1C	Mx	-.12	.53
100	MP1C	X	0	3.47
101	MP1C	Z	-118.58	3.47
102	MP1C	Mx	-.12	3.47
103	MP5C	X	0	.53
104	MP5C	Z	-118.58	.53
105	MP5C	Mx	-.12	.53
106	MP5C	X	0	3.47
107	MP5C	Z	-118.58	3.47
108	MP5C	Mx	-.12	3.47
109	MP1A	X	0	.53
110	MP1A	Z	-55.473	.53
111	MP1A	Mx	0	.53
112	MP1A	X	0	3.47
113	MP1A	Z	-55.473	3.47
114	MP1A	Mx	0	3.47
115	MP1B	X	0	.53
116	MP1B	Z	-99.93	.53
117	MP1B	Mx	.101	.53
118	MP1B	X	0	3.47
119	MP1B	Z	-99.93	3.47
120	MP1B	Mx	.101	3.47
121	MP5A	X	0	.53
122	MP5A	Z	-55.473	.53
123	MP5A	Mx	0	.53
124	MP5A	X	0	3.47
125	MP5A	Z	-55.473	3.47
126	MP5A	Mx	0	3.47
127	MP5B	X	0	.53
128	MP5B	Z	-99.93	.53
129	MP5B	Mx	.101	.53



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
130	MP5B	X	0	3.47
131	MP5B	Z	-99.93	3.47
132	MP5B	Mx	.101	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	78.592	.67
2	MP3A	Z	-136.125	.67
3	MP3A	Mx	.000814	.67
4	MP3A	X	78.592	5.33
5	MP3A	Z	-136.125	5.33
6	MP3A	Mx	.000814	5.33
7	MP3B	X	56.766	.67
8	MP3B	Z	-98.322	.67
9	MP3B	Mx	.114	.67
10	MP3B	X	56.766	5.33
11	MP3B	Z	-98.322	5.33
12	MP3B	Mx	.114	5.33
13	MP3C	X	78.592	.67
14	MP3C	Z	-136.125	.67
15	MP3C	Mx	-.158	.67
16	MP3C	X	78.592	5.33
17	MP3C	Z	-136.125	5.33
18	MP3C	Mx	-.158	5.33
19	MP3A	X	78.592	.67
20	MP3A	Z	-136.125	.67
21	MP3A	Mx	-.158	.67
22	MP3A	X	78.592	5.33
23	MP3A	Z	-136.125	5.33
24	MP3A	Mx	-.158	5.33
25	MP3B	X	56.766	.67
26	MP3B	Z	-98.322	.67
27	MP3B	Mx	.114	.67
28	MP3B	X	56.766	5.33
29	MP3B	Z	-98.322	5.33
30	MP3B	Mx	.114	5.33
31	MP3C	X	78.592	.67
32	MP3C	Z	-136.125	.67
33	MP3C	Mx	.000815	.67
34	MP3C	X	78.592	5.33
35	MP3C	Z	-136.125	5.33
36	MP3C	Mx	.000815	5.33
37	MP4A	X	42.349	1.04
38	MP4A	Z	-73.351	1.04
39	MP4A	Mx	-.042	1.04
40	MP4A	X	42.349	2.96
41	MP4A	Z	-73.351	2.96
42	MP4A	Mx	-.042	2.96
43	MP4B	X	19.554	1.04
44	MP4B	Z	-33.869	1.04
45	MP4B	Mx	.039	1.04
46	MP4B	X	19.554	2.96
47	MP4B	Z	-33.869	2.96
48	MP4B	Mx	.039	2.96
49	MP4C	X	42.349	1.04
50	MP4C	Z	-73.351	1.04



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]	
51	MP4C	Mx	-.042	1.04
52	MP4C	X	42.349	2.96
53	MP4C	Z	-73.351	2.96
54	MP4C	Mx	-.042	2.96
55	MP4A	X	17.594	2
56	MP4A	Z	-30.475	2
57	MP4A	Mx	.018	2
58	MP4A	X	17.594	2
59	MP4A	Z	-30.475	2
60	MP4A	Mx	.018	2
61	MP4B	X	10.76	2
62	MP4B	Z	-18.637	2
63	MP4B	Mx	-.022	2
64	MP4B	X	10.76	2
65	MP4B	Z	-18.637	2
66	MP4B	Mx	-.022	2
67	MP4C	X	17.594	2
68	MP4C	Z	-30.475	2
69	MP4C	Mx	.018	2
70	MP4C	X	17.594	2
71	MP4C	Z	-30.475	2
72	MP4C	Mx	.018	2
73	MP5A	X	18.225	2
74	MP5A	Z	-31.567	2
75	MP5A	Mx	.018	2
76	MP5A	X	18.225	2
77	MP5A	Z	-31.567	2
78	MP5A	Mx	.018	2
79	MP5B	X	13.284	2
80	MP5B	Z	-23.008	2
81	MP5B	Mx	-.027	2
82	MP5B	X	13.284	2
83	MP5B	Z	-23.008	2
84	MP5B	Mx	-.027	2
85	MP5C	X	18.225	2
86	MP5C	Z	-31.567	2
87	MP5C	Mx	.018	2
88	MP5C	X	18.225	2
89	MP5C	Z	-31.567	2
90	MP5C	Mx	.018	2
91	MP2A	X	40.589	2
92	MP2A	Z	-70.302	2
93	MP2A	Mx	.02	2
94	MP2A	X	40.589	2
95	MP2A	Z	-70.302	2
96	MP2A	Mx	.02	2
97	MP1C	X	63.334	.53
98	MP1C	Z	-109.698	.53
99	MP1C	Mx	-.074	.53
100	MP1C	X	63.334	3.47
101	MP1C	Z	-109.698	3.47
102	MP1C	Mx	-.074	3.47
103	MP5C	X	63.334	.53
104	MP5C	Z	-109.698	.53
105	MP5C	Mx	-.074	.53
106	MP5C	X	63.334	3.47
107	MP5C	Z	-109.698	3.47



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
108	MP5C	Mx	-.074	3.47
109	MP1A	X	35.146	.53
110	MP1A	Z	-60.875	.53
111	MP1A	Mx	-.041	.53
112	MP1A	X	35.146	3.47
113	MP1A	Z	-60.875	3.47
114	MP1A	Mx	-.041	3.47
115	MP1B	X	57.374	.53
116	MP1B	Z	-99.375	.53
117	MP1B	Mx	.134	.53
118	MP1B	X	57.374	3.47
119	MP1B	Z	-99.375	3.47
120	MP1B	Mx	.134	3.47
121	MP5A	X	35.146	.53
122	MP5A	Z	-60.875	.53
123	MP5A	Mx	-.041	.53
124	MP5A	X	35.146	3.47
125	MP5A	Z	-60.875	3.47
126	MP5A	Mx	-.041	3.47
127	MP5B	X	57.374	.53
128	MP5B	Z	-99.375	.53
129	MP5B	Mx	.134	.53
130	MP5B	X	57.374	3.47
131	MP5B	Z	-99.375	3.47
132	MP5B	Mx	.134	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP3A	X	110.923	.67
2	MP3A	Z	-64.042	.67
3	MP3A	Mx	-.074	.67
4	MP3A	X	110.923	5.33
5	MP3A	Z	-64.042	5.33
6	MP3A	Mx	-.074	5.33
7	MP3B	X	110.923	.67
8	MP3B	Z	-64.042	.67
9	MP3B	Mx	.148	.67
10	MP3B	X	110.923	5.33
11	MP3B	Z	-64.042	5.33
12	MP3B	Mx	.148	5.33
13	MP3C	X	148.726	.67
14	MP3C	Z	-85.867	.67
15	MP3C	Mx	-.1	.67
16	MP3C	X	148.726	5.33
17	MP3C	Z	-85.867	5.33
18	MP3C	Mx	-.1	5.33
19	MP3A	X	110.923	.67
20	MP3A	Z	-64.042	.67
21	MP3A	Mx	-.148	.67
22	MP3A	X	110.923	5.33
23	MP3A	Z	-64.042	5.33
24	MP3A	Mx	-.148	5.33
25	MP3B	X	110.923	.67
26	MP3B	Z	-64.042	.67
27	MP3B	Mx	.074	.67
28	MP3B	X	110.923	5.33



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
29	MP3B	Z	-64.042	5.33
30	MP3B	Mx	.074	5.33
31	MP3C	X	148.726	.67
32	MP3C	Z	-85.867	.67
33	MP3C	Mx	.1	.67
34	MP3C	X	148.726	5.33
35	MP3C	Z	-85.867	5.33
36	MP3C	Mx	.1	5.33
37	MP4A	X	47.03	1.04
38	MP4A	Z	-27.153	1.04
39	MP4A	Mx	-.047	1.04
40	MP4A	X	47.03	2.96
41	MP4A	Z	-27.153	2.96
42	MP4A	Mx	-.047	2.96
43	MP4B	X	47.03	1.04
44	MP4B	Z	-27.153	1.04
45	MP4B	Mx	.047	1.04
46	MP4B	X	47.03	2.96
47	MP4B	Z	-27.153	2.96
48	MP4B	Mx	.047	2.96
49	MP4C	X	86.511	1.04
50	MP4C	Z	-49.947	1.04
51	MP4C	Mx	0	1.04
52	MP4C	X	86.511	2.96
53	MP4C	Z	-49.947	2.96
54	MP4C	Mx	0	2.96
55	MP4A	X	22.583	2
56	MP4A	Z	-13.038	2
57	MP4A	Mx	.023	2
58	MP4A	X	22.583	2
59	MP4A	Z	-13.038	2
60	MP4A	Mx	.023	2
61	MP4B	X	22.583	2
62	MP4B	Z	-13.038	2
63	MP4B	Mx	-.023	2
64	MP4B	X	22.583	2
65	MP4B	Z	-13.038	2
66	MP4B	Mx	-.023	2
67	MP4C	X	34.42	2
68	MP4C	Z	-19.873	2
69	MP4C	Mx	1e-6	2
70	MP4C	X	34.42	2
71	MP4C	Z	-19.873	2
72	MP4C	Mx	1e-6	2
73	MP5A	X	25.861	2
74	MP5A	Z	-14.931	2
75	MP5A	Mx	.026	2
76	MP5A	X	25.861	2
77	MP5A	Z	-14.931	2
78	MP5A	Mx	.026	2
79	MP5B	X	25.861	2
80	MP5B	Z	-14.931	2
81	MP5B	Mx	-.026	2
82	MP5B	X	25.861	2
83	MP5B	Z	-14.931	2
84	MP5B	Mx	-.026	2
85	MP5C	X	34.42	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
86	MP5C	Z	-19.873	2
87	MP5C	Mx	1e-6	2
88	MP5C	X	34.42	2
89	MP5C	Z	-19.873	2
90	MP5C	Mx	1e-6	2
91	MP2A	X	61.444	2
92	MP2A	Z	-35.475	2
93	MP2A	Mx	.031	2
94	MP2A	X	61.444	2
95	MP2A	Z	-35.475	2
96	MP2A	Mx	.031	2
97	MP1C	X	113.201	.53
98	MP1C	Z	-65.357	.53
99	MP1C	Mx	0	.53
100	MP1C	X	113.201	3.47
101	MP1C	Z	-65.357	3.47
102	MP1C	Mx	0	3.47
103	MP5C	X	113.201	.53
104	MP5C	Z	-65.357	.53
105	MP5C	Mx	0	.53
106	MP5C	X	113.201	3.47
107	MP5C	Z	-65.357	3.47
108	MP5C	Mx	0	3.47
109	MP1A	X	86.542	.53
110	MP1A	Z	-49.965	.53
111	MP1A	Mx	-.101	.53
112	MP1A	X	86.542	3.47
113	MP1A	Z	-49.965	3.47
114	MP1A	Mx	-.101	3.47
115	MP1B	X	86.542	.53
116	MP1B	Z	-49.965	.53
117	MP1B	Mx	.101	.53
118	MP1B	X	86.542	3.47
119	MP1B	Z	-49.965	3.47
120	MP1B	Mx	.101	3.47
121	MP5A	X	86.542	.53
122	MP5A	Z	-49.965	.53
123	MP5A	Mx	-.101	.53
124	MP5A	X	86.542	3.47
125	MP5A	Z	-49.965	3.47
126	MP5A	Mx	-.101	3.47
127	MP5B	X	86.542	.53
128	MP5B	Z	-49.965	.53
129	MP5B	Mx	.101	.53
130	MP5B	X	86.542	3.47
131	MP5B	Z	-49.965	3.47
132	MP5B	Mx	.101	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	113.533	.67
2	MP3A	Z	0	.67
3	MP3A	Mx	-.114	.67
4	MP3A	X	113.533	5.33
5	MP3A	Z	0	5.33
6	MP3A	Mx	-.114	5.33



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
7	MP3B	X	157.184	.67
8	MP3B	Z	0	.67
9	MP3B	Mx	.158	.67
10	MP3B	X	157.184	5.33
11	MP3B	Z	0	5.33
12	MP3B	Mx	.158	5.33
13	MP3C	X	157.184	.67
14	MP3C	Z	0	.67
15	MP3C	Mx	-.000814	.67
16	MP3C	X	157.184	5.33
17	MP3C	Z	0	5.33
18	MP3C	Mx	-.000814	5.33
19	MP3A	X	113.533	.67
20	MP3A	Z	0	.67
21	MP3A	Mx	-.114	.67
22	MP3A	X	113.533	5.33
23	MP3A	Z	0	5.33
24	MP3A	Mx	-.114	5.33
25	MP3B	X	157.184	.67
26	MP3B	Z	0	.67
27	MP3B	Mx	-.000814	.67
28	MP3B	X	157.184	5.33
29	MP3B	Z	0	5.33
30	MP3B	Mx	-.000814	5.33
31	MP3C	X	157.184	.67
32	MP3C	Z	0	.67
33	MP3C	Mx	.158	.67
34	MP3C	X	157.184	5.33
35	MP3C	Z	0	5.33
36	MP3C	Mx	.158	5.33
37	MP4A	X	39.109	1.04
38	MP4A	Z	0	1.04
39	MP4A	Mx	-.039	1.04
40	MP4A	X	39.109	2.96
41	MP4A	Z	0	2.96
42	MP4A	Mx	-.039	2.96
43	MP4B	X	84.698	1.04
44	MP4B	Z	0	1.04
45	MP4B	Mx	.042	1.04
46	MP4B	X	84.698	2.96
47	MP4B	Z	0	2.96
48	MP4B	Mx	.042	2.96
49	MP4C	X	84.698	1.04
50	MP4C	Z	0	1.04
51	MP4C	Mx	.042	1.04
52	MP4C	X	84.698	2.96
53	MP4C	Z	0	2.96
54	MP4C	Mx	.042	2.96
55	MP4A	X	21.52	2
56	MP4A	Z	0	2
57	MP4A	Mx	.022	2
58	MP4A	X	21.52	2
59	MP4A	Z	0	2
60	MP4A	Mx	.022	2
61	MP4B	X	35.189	2
62	MP4B	Z	0	2
63	MP4B	Mx	-.018	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
64	MP4B	X	35.189	2
65	MP4B	Z	0	2
66	MP4B	Mx	-.018	2
67	MP4C	X	35.189	2
68	MP4C	Z	0	2
69	MP4C	Mx	-.018	2
70	MP4C	X	35.189	2
71	MP4C	Z	0	2
72	MP4C	Mx	-.018	2
73	MP5A	X	26.568	2
74	MP5A	Z	0	2
75	MP5A	Mx	.027	2
76	MP5A	X	26.568	2
77	MP5A	Z	0	2
78	MP5A	Mx	.027	2
79	MP5B	X	36.451	2
80	MP5B	Z	0	2
81	MP5B	Mx	-.018	2
82	MP5B	X	36.451	2
83	MP5B	Z	0	2
84	MP5B	Mx	-.018	2
85	MP5C	X	36.451	2
86	MP5C	Z	0	2
87	MP5C	Mx	-.018	2
88	MP5C	X	36.451	2
89	MP5C	Z	0	2
90	MP5C	Mx	-.018	2
91	MP2A	X	65.835	2
92	MP2A	Z	0	2
93	MP2A	Mx	.033	2
94	MP2A	X	65.835	2
95	MP2A	Z	0	2
96	MP2A	Mx	.033	2
97	MP1C	X	126.669	.53
98	MP1C	Z	0	.53
99	MP1C	Mx	.074	.53
100	MP1C	X	126.669	3.47
101	MP1C	Z	0	3.47
102	MP1C	Mx	.074	3.47
103	MP5C	X	126.669	.53
104	MP5C	Z	0	.53
105	MP5C	Mx	.074	.53
106	MP5C	X	126.669	3.47
107	MP5C	Z	0	3.47
108	MP5C	Mx	.074	3.47
109	MP1A	X	114.749	.53
110	MP1A	Z	0	.53
111	MP1A	Mx	-.134	.53
112	MP1A	X	114.749	3.47
113	MP1A	Z	0	3.47
114	MP1A	Mx	-.134	3.47
115	MP1B	X	70.292	.53
116	MP1B	Z	0	.53
117	MP1B	Mx	.041	.53
118	MP1B	X	70.292	3.47
119	MP1B	Z	0	3.47
120	MP1B	Mx	.041	3.47



Company : GPD
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 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
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Member Point Loads (BLC 6 : Antenna Wo (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
121	MP5A	X	114.749	.53
122	MP5A	Z	0	.53
123	MP5A	Mx	-.134	.53
124	MP5A	X	114.749	3.47
125	MP5A	Z	0	3.47
126	MP5A	Mx	-.134	3.47
127	MP5B	X	70.292	.53
128	MP5B	Z	0	.53
129	MP5B	Mx	.041	.53
130	MP5B	X	70.292	3.47
131	MP5B	Z	0	3.47
132	MP5B	Mx	.041	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	110.923	.67
2	MP3A	Z	64.042	.67
3	MP3A	Mx	-.148	.67
4	MP3A	X	110.923	5.33
5	MP3A	Z	64.042	5.33
6	MP3A	Mx	-.148	5.33
7	MP3B	X	148.726	.67
8	MP3B	Z	85.867	.67
9	MP3B	Mx	.1	.67
10	MP3B	X	148.726	5.33
11	MP3B	Z	85.867	5.33
12	MP3B	Mx	.1	5.33
13	MP3C	X	110.923	.67
14	MP3C	Z	64.042	.67
15	MP3C	Mx	.074	.67
16	MP3C	X	110.923	5.33
17	MP3C	Z	64.042	5.33
18	MP3C	Mx	.074	5.33
19	MP3A	X	110.923	.67
20	MP3A	Z	64.042	.67
21	MP3A	Mx	-.074	.67
22	MP3A	X	110.923	5.33
23	MP3A	Z	64.042	5.33
24	MP3A	Mx	-.074	5.33
25	MP3B	X	148.726	.67
26	MP3B	Z	85.867	.67
27	MP3B	Mx	-.1	.67
28	MP3B	X	148.726	5.33
29	MP3B	Z	85.867	5.33
30	MP3B	Mx	-.1	5.33
31	MP3C	X	110.923	.67
32	MP3C	Z	64.042	.67
33	MP3C	Mx	.148	.67
34	MP3C	X	110.923	5.33
35	MP3C	Z	64.042	5.33
36	MP3C	Mx	.148	5.33
37	MP4A	X	47.03	1.04
38	MP4A	Z	27.153	1.04
39	MP4A	Mx	-.047	1.04
40	MP4A	X	47.03	2.96
41	MP4A	Z	27.153	2.96



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
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Member Point Loads (BLC 7 : Antenna Wo (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
42	MP4A	Mx	-.047	2.96
43	MP4B	X	86.511	1.04
44	MP4B	Z	49.947	1.04
45	MP4B	Mx	0	1.04
46	MP4B	X	86.511	2.96
47	MP4B	Z	49.947	2.96
48	MP4B	Mx	0	2.96
49	MP4C	X	47.03	1.04
50	MP4C	Z	27.153	1.04
51	MP4C	Mx	.047	1.04
52	MP4C	X	47.03	2.96
53	MP4C	Z	27.153	2.96
54	MP4C	Mx	.047	2.96
55	MP4A	X	22.583	2
56	MP4A	Z	13.038	2
57	MP4A	Mx	.023	2
58	MP4A	X	22.583	2
59	MP4A	Z	13.038	2
60	MP4A	Mx	.023	2
61	MP4B	X	34.42	2
62	MP4B	Z	19.873	2
63	MP4B	Mx	1e-6	2
64	MP4B	X	34.42	2
65	MP4B	Z	19.873	2
66	MP4B	Mx	1e-6	2
67	MP4C	X	22.583	2
68	MP4C	Z	13.038	2
69	MP4C	Mx	-.023	2
70	MP4C	X	22.583	2
71	MP4C	Z	13.038	2
72	MP4C	Mx	-.023	2
73	MP5A	X	25.861	2
74	MP5A	Z	14.931	2
75	MP5A	Mx	.026	2
76	MP5A	X	25.861	2
77	MP5A	Z	14.931	2
78	MP5A	Mx	.026	2
79	MP5B	X	34.42	2
80	MP5B	Z	19.873	2
81	MP5B	Mx	1e-6	2
82	MP5B	X	34.42	2
83	MP5B	Z	19.873	2
84	MP5B	Mx	1e-6	2
85	MP5C	X	25.861	2
86	MP5C	Z	14.931	2
87	MP5C	Mx	-.026	2
88	MP5C	X	25.861	2
89	MP5C	Z	14.931	2
90	MP5C	Mx	-.026	2
91	MP2A	X	61.444	2
92	MP2A	Z	35.475	2
93	MP2A	Mx	.031	2
94	MP2A	X	61.444	2
95	MP2A	Z	35.475	2
96	MP2A	Mx	.031	2
97	MP1C	X	102.693	.53
98	MP1C	Z	59.29	.53



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
99	MP1C	Mx	.12	.53
100	MP1C	X	102.693	3.47
101	MP1C	Z	59.29	3.47
102	MP1C	Mx	.12	3.47
103	MP5C	X	102.693	.53
104	MP5C	Z	59.29	.53
105	MP5C	Mx	.12	.53
106	MP5C	X	102.693	3.47
107	MP5C	Z	59.29	3.47
108	MP5C	Mx	.12	3.47
109	MP1A	X	86.542	.53
110	MP1A	Z	49.965	.53
111	MP1A	Mx	-.101	.53
112	MP1A	X	86.542	3.47
113	MP1A	Z	49.965	3.47
114	MP1A	Mx	-.101	3.47
115	MP1B	X	48.041	.53
116	MP1B	Z	27.737	.53
117	MP1B	Mx	-1e-6	.53
118	MP1B	X	48.041	3.47
119	MP1B	Z	27.737	3.47
120	MP1B	Mx	-1e-6	3.47
121	MP5A	X	86.542	.53
122	MP5A	Z	49.965	.53
123	MP5A	Mx	-.101	.53
124	MP5A	X	86.542	3.47
125	MP5A	Z	49.965	3.47
126	MP5A	Mx	-.101	3.47
127	MP5B	X	48.041	.53
128	MP5B	Z	27.737	.53
129	MP5B	Mx	-1e-6	.53
130	MP5B	X	48.041	3.47
131	MP5B	Z	27.737	3.47
132	MP5B	Mx	-1e-6	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	78.592	.67
2	MP3A	Z	136.125	.67
3	MP3A	Mx	-.158	.67
4	MP3A	X	78.592	5.33
5	MP3A	Z	136.125	5.33
6	MP3A	Mx	-.158	5.33
7	MP3B	X	78.592	.67
8	MP3B	Z	136.125	.67
9	MP3B	Mx	.000815	.67
10	MP3B	X	78.592	5.33
11	MP3B	Z	136.125	5.33
12	MP3B	Mx	.000815	5.33
13	MP3C	X	56.766	.67
14	MP3C	Z	98.322	.67
15	MP3C	Mx	.114	.67
16	MP3C	X	56.766	5.33
17	MP3C	Z	98.322	5.33
18	MP3C	Mx	.114	5.33
19	MP3A	X	78.592	.67



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
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Member Point Loads (BLC 8 : Antenna Wo (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
20	MP3A	Z	136.125	.67
21	MP3A	Mx	.000814	.67
22	MP3A	X	78.592	5.33
23	MP3A	Z	136.125	5.33
24	MP3A	Mx	.000814	5.33
25	MP3B	X	78.592	.67
26	MP3B	Z	136.125	.67
27	MP3B	Mx	-.158	.67
28	MP3B	X	78.592	5.33
29	MP3B	Z	136.125	5.33
30	MP3B	Mx	-.158	5.33
31	MP3C	X	56.766	.67
32	MP3C	Z	98.322	.67
33	MP3C	Mx	.114	.67
34	MP3C	X	56.766	5.33
35	MP3C	Z	98.322	5.33
36	MP3C	Mx	.114	5.33
37	MP4A	X	42.349	1.04
38	MP4A	Z	73.351	1.04
39	MP4A	Mx	-.042	1.04
40	MP4A	X	42.349	2.96
41	MP4A	Z	73.351	2.96
42	MP4A	Mx	-.042	2.96
43	MP4B	X	42.349	1.04
44	MP4B	Z	73.351	1.04
45	MP4B	Mx	-.042	1.04
46	MP4B	X	42.349	2.96
47	MP4B	Z	73.351	2.96
48	MP4B	Mx	-.042	2.96
49	MP4C	X	19.554	1.04
50	MP4C	Z	33.869	1.04
51	MP4C	Mx	.039	1.04
52	MP4C	X	19.554	2.96
53	MP4C	Z	33.869	2.96
54	MP4C	Mx	.039	2.96
55	MP4A	X	17.594	2
56	MP4A	Z	30.475	2
57	MP4A	Mx	.018	2
58	MP4A	X	17.594	2
59	MP4A	Z	30.475	2
60	MP4A	Mx	.018	2
61	MP4B	X	17.594	2
62	MP4B	Z	30.475	2
63	MP4B	Mx	.018	2
64	MP4B	X	17.594	2
65	MP4B	Z	30.475	2
66	MP4B	Mx	.018	2
67	MP4C	X	10.76	2
68	MP4C	Z	18.637	2
69	MP4C	Mx	-.022	2
70	MP4C	X	10.76	2
71	MP4C	Z	18.637	2
72	MP4C	Mx	-.022	2
73	MP5A	X	18.225	2
74	MP5A	Z	31.567	2
75	MP5A	Mx	.018	2
76	MP5A	X	18.225	2



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 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
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Member Point Loads (BLC 8 : Antenna Wo (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
77	MP5A	Z	31.567	2
78	MP5A	Mx	.018	2
79	MP5B	X	18.225	2
80	MP5B	Z	31.567	2
81	MP5B	Mx	.018	2
82	MP5B	X	18.225	2
83	MP5B	Z	31.567	2
84	MP5B	Mx	.018	2
85	MP5C	X	13.284	2
86	MP5C	Z	23.008	2
87	MP5C	Mx	-.027	2
88	MP5C	X	13.284	2
89	MP5C	Z	23.008	2
90	MP5C	Mx	-.027	2
91	MP2A	X	40.589	2
92	MP2A	Z	70.302	2
93	MP2A	Mx	.02	2
94	MP2A	X	40.589	2
95	MP2A	Z	70.302	2
96	MP2A	Mx	.02	2
97	MP1C	X	57.268	.53
98	MP1C	Z	99.19	.53
99	MP1C	Mx	.134	.53
100	MP1C	X	57.268	3.47
101	MP1C	Z	99.19	3.47
102	MP1C	Mx	.134	3.47
103	MP5C	X	57.268	.53
104	MP5C	Z	99.19	.53
105	MP5C	Mx	.134	.53
106	MP5C	X	57.268	3.47
107	MP5C	Z	99.19	3.47
108	MP5C	Mx	.134	3.47
109	MP1A	X	35.146	.53
110	MP1A	Z	60.875	.53
111	MP1A	Mx	-.041	.53
112	MP1A	X	35.146	3.47
113	MP1A	Z	60.875	3.47
114	MP1A	Mx	-.041	3.47
115	MP1B	X	35.146	.53
116	MP1B	Z	60.875	.53
117	MP1B	Mx	-.041	.53
118	MP1B	X	35.146	3.47
119	MP1B	Z	60.875	3.47
120	MP1B	Mx	-.041	3.47
121	MP5A	X	35.146	.53
122	MP5A	Z	60.875	.53
123	MP5A	Mx	-.041	.53
124	MP5A	X	35.146	3.47
125	MP5A	Z	60.875	3.47
126	MP5A	Mx	-.041	3.47
127	MP5B	X	35.146	.53
128	MP5B	Z	60.875	.53
129	MP5B	Mx	-.041	.53
130	MP5B	X	35.146	3.47
131	MP5B	Z	60.875	3.47
132	MP5B	Mx	-.041	3.47



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 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	.67
2	MP3A	Z	171.734	.67
3	MP3A	Mx	-.1	.67
4	MP3A	X	0	5.33
5	MP3A	Z	171.734	5.33
6	MP3A	Mx	-.1	5.33
7	MP3B	X	0	.67
8	MP3B	Z	128.083	.67
9	MP3B	Mx	-.074	.67
10	MP3B	X	0	5.33
11	MP3B	Z	128.083	5.33
12	MP3B	Mx	-.074	5.33
13	MP3C	X	0	.67
14	MP3C	Z	128.083	.67
15	MP3C	Mx	.148	.67
16	MP3C	X	0	5.33
17	MP3C	Z	128.083	5.33
18	MP3C	Mx	.148	5.33
19	MP3A	X	0	.67
20	MP3A	Z	171.734	.67
21	MP3A	Mx	.1	.67
22	MP3A	X	0	5.33
23	MP3A	Z	171.734	5.33
24	MP3A	Mx	.1	5.33
25	MP3B	X	0	.67
26	MP3B	Z	128.083	.67
27	MP3B	Mx	-.148	.67
28	MP3B	X	0	5.33
29	MP3B	Z	128.083	5.33
30	MP3B	Mx	-.148	5.33
31	MP3C	X	0	.67
32	MP3C	Z	128.083	.67
33	MP3C	Mx	.074	.67
34	MP3C	X	0	5.33
35	MP3C	Z	128.083	5.33
36	MP3C	Mx	.074	5.33
37	MP4A	X	0	1.04
38	MP4A	Z	99.895	1.04
39	MP4A	Mx	0	1.04
40	MP4A	X	0	2.96
41	MP4A	Z	99.895	2.96
42	MP4A	Mx	0	2.96
43	MP4B	X	0	1.04
44	MP4B	Z	54.305	1.04
45	MP4B	Mx	-.047	1.04
46	MP4B	X	0	2.96
47	MP4B	Z	54.305	2.96
48	MP4B	Mx	-.047	2.96
49	MP4C	X	0	1.04
50	MP4C	Z	54.305	1.04
51	MP4C	Mx	.047	1.04
52	MP4C	X	0	2.96
53	MP4C	Z	54.305	2.96
54	MP4C	Mx	.047	2.96
55	MP4A	X	0	2
56	MP4A	Z	39.745	2
57	MP4A	Mx	0	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
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Member Point Loads (BLC 9 : Antenna Wo (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
58	MP4A	X	0	2
59	MP4A	Z	39.745	2
60	MP4A	Mx	0	2
61	MP4B	X	0	2
62	MP4B	Z	26.076	2
63	MP4B	Mx	.023	2
64	MP4B	X	0	2
65	MP4B	Z	26.076	2
66	MP4B	Mx	.023	2
67	MP4C	X	0	2
68	MP4C	Z	26.076	2
69	MP4C	Mx	-.023	2
70	MP4C	X	0	2
71	MP4C	Z	26.076	2
72	MP4C	Mx	-.023	2
73	MP5A	X	0	2
74	MP5A	Z	39.745	2
75	MP5A	Mx	0	2
76	MP5A	X	0	2
77	MP5A	Z	39.745	2
78	MP5A	Mx	0	2
79	MP5B	X	0	2
80	MP5B	Z	29.862	2
81	MP5B	Mx	.026	2
82	MP5B	X	0	2
83	MP5B	Z	29.862	2
84	MP5B	Mx	.026	2
85	MP5C	X	0	2
86	MP5C	Z	29.862	2
87	MP5C	Mx	-.026	2
88	MP5C	X	0	2
89	MP5C	Z	29.862	2
90	MP5C	Mx	-.026	2
91	MP2A	X	0	2
92	MP2A	Z	86.292	2
93	MP2A	Mx	0	2
94	MP2A	X	0	2
95	MP2A	Z	86.292	2
96	MP2A	Mx	0	2
97	MP1C	X	0	.53
98	MP1C	Z	118.58	.53
99	MP1C	Mx	.12	.53
100	MP1C	X	0	3.47
101	MP1C	Z	118.58	3.47
102	MP1C	Mx	.12	3.47
103	MP5C	X	0	.53
104	MP5C	Z	118.58	.53
105	MP5C	Mx	.12	.53
106	MP5C	X	0	3.47
107	MP5C	Z	118.58	3.47
108	MP5C	Mx	.12	3.47
109	MP1A	X	0	.53
110	MP1A	Z	55.473	.53
111	MP1A	Mx	0	.53
112	MP1A	X	0	3.47
113	MP1A	Z	55.473	3.47
114	MP1A	Mx	0	3.47



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
115	MP1B	X	0	.53
116	MP1B	Z	99.93	.53
117	MP1B	Mx	-.101	.53
118	MP1B	X	0	3.47
119	MP1B	Z	99.93	3.47
120	MP1B	Mx	-.101	3.47
121	MP5A	X	0	.53
122	MP5A	Z	55.473	.53
123	MP5A	Mx	0	.53
124	MP5A	X	0	3.47
125	MP5A	Z	55.473	3.47
126	MP5A	Mx	0	3.47
127	MP5B	X	0	.53
128	MP5B	Z	99.93	.53
129	MP5B	Mx	-.101	.53
130	MP5B	X	0	3.47
131	MP5B	Z	99.93	3.47
132	MP5B	Mx	-.101	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-78.592	.67
2	MP3A	Z	136.125	.67
3	MP3A	Mx	-.000814	.67
4	MP3A	X	-78.592	5.33
5	MP3A	Z	136.125	5.33
6	MP3A	Mx	-.000814	5.33
7	MP3B	X	-56.766	.67
8	MP3B	Z	98.322	.67
9	MP3B	Mx	-.114	.67
10	MP3B	X	-56.766	5.33
11	MP3B	Z	98.322	5.33
12	MP3B	Mx	-.114	5.33
13	MP3C	X	-78.592	.67
14	MP3C	Z	136.125	.67
15	MP3C	Mx	.158	.67
16	MP3C	X	-78.592	5.33
17	MP3C	Z	136.125	5.33
18	MP3C	Mx	.158	5.33
19	MP3A	X	-78.592	.67
20	MP3A	Z	136.125	.67
21	MP3A	Mx	.158	.67
22	MP3A	X	-78.592	5.33
23	MP3A	Z	136.125	5.33
24	MP3A	Mx	.158	5.33
25	MP3B	X	-56.766	.67
26	MP3B	Z	98.322	.67
27	MP3B	Mx	-.114	.67
28	MP3B	X	-56.766	5.33
29	MP3B	Z	98.322	5.33
30	MP3B	Mx	-.114	5.33
31	MP3C	X	-78.592	.67
32	MP3C	Z	136.125	.67
33	MP3C	Mx	-.000815	.67
34	MP3C	X	-78.592	5.33
35	MP3C	Z	136.125	5.33



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
36	MP3C	Mx	-0.00815	5.33
37	MP4A	X	-42.349	1.04
38	MP4A	Z	73.351	1.04
39	MP4A	Mx	.042	1.04
40	MP4A	X	-42.349	2.96
41	MP4A	Z	73.351	2.96
42	MP4A	Mx	.042	2.96
43	MP4B	X	-19.554	1.04
44	MP4B	Z	33.869	1.04
45	MP4B	Mx	-.039	1.04
46	MP4B	X	-19.554	2.96
47	MP4B	Z	33.869	2.96
48	MP4B	Mx	-.039	2.96
49	MP4C	X	-42.349	1.04
50	MP4C	Z	73.351	1.04
51	MP4C	Mx	.042	1.04
52	MP4C	X	-42.349	2.96
53	MP4C	Z	73.351	2.96
54	MP4C	Mx	.042	2.96
55	MP4A	X	-17.594	2
56	MP4A	Z	30.475	2
57	MP4A	Mx	-.018	2
58	MP4A	X	-17.594	2
59	MP4A	Z	30.475	2
60	MP4A	Mx	-.018	2
61	MP4B	X	-10.76	2
62	MP4B	Z	18.637	2
63	MP4B	Mx	.022	2
64	MP4B	X	-10.76	2
65	MP4B	Z	18.637	2
66	MP4B	Mx	.022	2
67	MP4C	X	-17.594	2
68	MP4C	Z	30.475	2
69	MP4C	Mx	-.018	2
70	MP4C	X	-17.594	2
71	MP4C	Z	30.475	2
72	MP4C	Mx	-.018	2
73	MP5A	X	-18.225	2
74	MP5A	Z	31.567	2
75	MP5A	Mx	-.018	2
76	MP5A	X	-18.225	2
77	MP5A	Z	31.567	2
78	MP5A	Mx	-.018	2
79	MP5B	X	-13.284	2
80	MP5B	Z	23.008	2
81	MP5B	Mx	.027	2
82	MP5B	X	-13.284	2
83	MP5B	Z	23.008	2
84	MP5B	Mx	.027	2
85	MP5C	X	-18.225	2
86	MP5C	Z	31.567	2
87	MP5C	Mx	-.018	2
88	MP5C	X	-18.225	2
89	MP5C	Z	31.567	2
90	MP5C	Mx	-.018	2
91	MP2A	X	-40.589	2
92	MP2A	Z	70.302	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
93	MP2A	Mx	-.02	2
94	MP2A	X	-40.589	2
95	MP2A	Z	70.302	2
96	MP2A	Mx	-.02	2
97	MP1C	X	-63.334	.53
98	MP1C	Z	109.698	.53
99	MP1C	Mx	.074	.53
100	MP1C	X	-63.334	3.47
101	MP1C	Z	109.698	3.47
102	MP1C	Mx	.074	3.47
103	MP5C	X	-63.334	.53
104	MP5C	Z	109.698	.53
105	MP5C	Mx	.074	.53
106	MP5C	X	-63.334	3.47
107	MP5C	Z	109.698	3.47
108	MP5C	Mx	.074	3.47
109	MP1A	X	-35.146	.53
110	MP1A	Z	60.875	.53
111	MP1A	Mx	.041	.53
112	MP1A	X	-35.146	3.47
113	MP1A	Z	60.875	3.47
114	MP1A	Mx	.041	3.47
115	MP1B	X	-57.374	.53
116	MP1B	Z	99.375	.53
117	MP1B	Mx	-.134	.53
118	MP1B	X	-57.374	3.47
119	MP1B	Z	99.375	3.47
120	MP1B	Mx	-.134	3.47
121	MP5A	X	-35.146	.53
122	MP5A	Z	60.875	.53
123	MP5A	Mx	.041	.53
124	MP5A	X	-35.146	3.47
125	MP5A	Z	60.875	3.47
126	MP5A	Mx	.041	3.47
127	MP5B	X	-57.374	.53
128	MP5B	Z	99.375	.53
129	MP5B	Mx	-.134	.53
130	MP5B	X	-57.374	3.47
131	MP5B	Z	99.375	3.47
132	MP5B	Mx	-.134	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP3A	X	-110.923	.67
2	MP3A	Z	64.042	.67
3	MP3A	Mx	.074	.67
4	MP3A	X	-110.923	5.33
5	MP3A	Z	64.042	5.33
6	MP3A	Mx	.074	5.33
7	MP3B	X	-110.923	.67
8	MP3B	Z	64.042	.67
9	MP3B	Mx	-.148	.67
10	MP3B	X	-110.923	5.33
11	MP3B	Z	64.042	5.33
12	MP3B	Mx	-.148	5.33
13	MP3C	X	-148.726	.67



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
14	MP3C	Z	85.867	.67
15	MP3C	Mx	.1	.67
16	MP3C	X	-148.726	5.33
17	MP3C	Z	85.867	5.33
18	MP3C	Mx	.1	5.33
19	MP3A	X	-110.923	.67
20	MP3A	Z	64.042	.67
21	MP3A	Mx	.148	.67
22	MP3A	X	-110.923	5.33
23	MP3A	Z	64.042	5.33
24	MP3A	Mx	.148	5.33
25	MP3B	X	-110.923	.67
26	MP3B	Z	64.042	.67
27	MP3B	Mx	-.074	.67
28	MP3B	X	-110.923	5.33
29	MP3B	Z	64.042	5.33
30	MP3B	Mx	-.074	5.33
31	MP3C	X	-148.726	.67
32	MP3C	Z	85.867	.67
33	MP3C	Mx	-.1	.67
34	MP3C	X	-148.726	5.33
35	MP3C	Z	85.867	5.33
36	MP3C	Mx	-.1	5.33
37	MP4A	X	-47.03	1.04
38	MP4A	Z	27.153	1.04
39	MP4A	Mx	.047	1.04
40	MP4A	X	-47.03	2.96
41	MP4A	Z	27.153	2.96
42	MP4A	Mx	.047	2.96
43	MP4B	X	-47.03	1.04
44	MP4B	Z	27.153	1.04
45	MP4B	Mx	-.047	1.04
46	MP4B	X	-47.03	2.96
47	MP4B	Z	27.153	2.96
48	MP4B	Mx	-.047	2.96
49	MP4C	X	-86.511	1.04
50	MP4C	Z	49.947	1.04
51	MP4C	Mx	0	1.04
52	MP4C	X	-86.511	2.96
53	MP4C	Z	49.947	2.96
54	MP4C	Mx	0	2.96
55	MP4A	X	-22.583	2
56	MP4A	Z	13.038	2
57	MP4A	Mx	-.023	2
58	MP4A	X	-22.583	2
59	MP4A	Z	13.038	2
60	MP4A	Mx	-.023	2
61	MP4B	X	-22.583	2
62	MP4B	Z	13.038	2
63	MP4B	Mx	.023	2
64	MP4B	X	-22.583	2
65	MP4B	Z	13.038	2
66	MP4B	Mx	.023	2
67	MP4C	X	-34.42	2
68	MP4C	Z	19.873	2
69	MP4C	Mx	-1e-6	2
70	MP4C	X	-34.42	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
71	MP4C	Z	19.873	2
72	MP4C	Mx	-1e-6	2
73	MP5A	X	-25.861	2
74	MP5A	Z	14.931	2
75	MP5A	Mx	-.026	2
76	MP5A	X	-25.861	2
77	MP5A	Z	14.931	2
78	MP5A	Mx	-.026	2
79	MP5B	X	-25.861	2
80	MP5B	Z	14.931	2
81	MP5B	Mx	.026	2
82	MP5B	X	-25.861	2
83	MP5B	Z	14.931	2
84	MP5B	Mx	.026	2
85	MP5C	X	-34.42	2
86	MP5C	Z	19.873	2
87	MP5C	Mx	-1e-6	2
88	MP5C	X	-34.42	2
89	MP5C	Z	19.873	2
90	MP5C	Mx	-1e-6	2
91	MP2A	X	-61.444	2
92	MP2A	Z	35.475	2
93	MP2A	Mx	-.031	2
94	MP2A	X	-61.444	2
95	MP2A	Z	35.475	2
96	MP2A	Mx	-.031	2
97	MP1C	X	-113.201	.53
98	MP1C	Z	65.357	.53
99	MP1C	Mx	0	.53
100	MP1C	X	-113.201	3.47
101	MP1C	Z	65.357	3.47
102	MP1C	Mx	0	3.47
103	MP5C	X	-113.201	.53
104	MP5C	Z	65.357	.53
105	MP5C	Mx	0	.53
106	MP5C	X	-113.201	3.47
107	MP5C	Z	65.357	3.47
108	MP5C	Mx	0	3.47
109	MP1A	X	-86.542	.53
110	MP1A	Z	49.965	.53
111	MP1A	Mx	.101	.53
112	MP1A	X	-86.542	3.47
113	MP1A	Z	49.965	3.47
114	MP1A	Mx	.101	3.47
115	MP1B	X	-86.542	.53
116	MP1B	Z	49.965	.53
117	MP1B	Mx	-.101	.53
118	MP1B	X	-86.542	3.47
119	MP1B	Z	49.965	3.47
120	MP1B	Mx	-.101	3.47
121	MP5A	X	-86.542	.53
122	MP5A	Z	49.965	.53
123	MP5A	Mx	.101	.53
124	MP5A	X	-86.542	3.47
125	MP5A	Z	49.965	3.47
126	MP5A	Mx	.101	3.47
127	MP5B	X	-86.542	.53



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
128	MP5B	Z	49.965	.53
129	MP5B	Mx	-.101	.53
130	MP5B	X	-86.542	3.47
131	MP5B	Z	49.965	3.47
132	MP5B	Mx	-.101	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-113.533	.67
2	MP3A	Z	0	.67
3	MP3A	Mx	.114	.67
4	MP3A	X	-113.533	5.33
5	MP3A	Z	0	5.33
6	MP3A	Mx	.114	5.33
7	MP3B	X	-157.184	.67
8	MP3B	Z	0	.67
9	MP3B	Mx	-.158	.67
10	MP3B	X	-157.184	5.33
11	MP3B	Z	0	5.33
12	MP3B	Mx	-.158	5.33
13	MP3C	X	-157.184	.67
14	MP3C	Z	0	.67
15	MP3C	Mx	.000814	.67
16	MP3C	X	-157.184	5.33
17	MP3C	Z	0	5.33
18	MP3C	Mx	.000814	5.33
19	MP3A	X	-113.533	.67
20	MP3A	Z	0	.67
21	MP3A	Mx	.114	.67
22	MP3A	X	-113.533	5.33
23	MP3A	Z	0	5.33
24	MP3A	Mx	.114	5.33
25	MP3B	X	-157.184	.67
26	MP3B	Z	0	.67
27	MP3B	Mx	.000814	.67
28	MP3B	X	-157.184	5.33
29	MP3B	Z	0	5.33
30	MP3B	Mx	.000814	5.33
31	MP3C	X	-157.184	.67
32	MP3C	Z	0	.67
33	MP3C	Mx	-.158	.67
34	MP3C	X	-157.184	5.33
35	MP3C	Z	0	5.33
36	MP3C	Mx	-.158	5.33
37	MP4A	X	-39.109	1.04
38	MP4A	Z	0	1.04
39	MP4A	Mx	.039	1.04
40	MP4A	X	-39.109	2.96
41	MP4A	Z	0	2.96
42	MP4A	Mx	.039	2.96
43	MP4B	X	-84.698	1.04
44	MP4B	Z	0	1.04
45	MP4B	Mx	-.042	1.04
46	MP4B	X	-84.698	2.96
47	MP4B	Z	0	2.96
48	MP4B	Mx	-.042	2.96



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
49	MP4C	X	-84.698	1.04
50	MP4C	Z	0	1.04
51	MP4C	Mx	-.042	1.04
52	MP4C	X	-84.698	2.96
53	MP4C	Z	0	2.96
54	MP4C	Mx	-.042	2.96
55	MP4A	X	-21.52	2
56	MP4A	Z	0	2
57	MP4A	Mx	-.022	2
58	MP4A	X	-21.52	2
59	MP4A	Z	0	2
60	MP4A	Mx	-.022	2
61	MP4B	X	-35.189	2
62	MP4B	Z	0	2
63	MP4B	Mx	.018	2
64	MP4B	X	-35.189	2
65	MP4B	Z	0	2
66	MP4B	Mx	.018	2
67	MP4C	X	-35.189	2
68	MP4C	Z	0	2
69	MP4C	Mx	.018	2
70	MP4C	X	-35.189	2
71	MP4C	Z	0	2
72	MP4C	Mx	.018	2
73	MP5A	X	-26.568	2
74	MP5A	Z	0	2
75	MP5A	Mx	-.027	2
76	MP5A	X	-26.568	2
77	MP5A	Z	0	2
78	MP5A	Mx	-.027	2
79	MP5B	X	-36.451	2
80	MP5B	Z	0	2
81	MP5B	Mx	.018	2
82	MP5B	X	-36.451	2
83	MP5B	Z	0	2
84	MP5B	Mx	.018	2
85	MP5C	X	-36.451	2
86	MP5C	Z	0	2
87	MP5C	Mx	.018	2
88	MP5C	X	-36.451	2
89	MP5C	Z	0	2
90	MP5C	Mx	.018	2
91	MP2A	X	-65.835	2
92	MP2A	Z	0	2
93	MP2A	Mx	-.033	2
94	MP2A	X	-65.835	2
95	MP2A	Z	0	2
96	MP2A	Mx	-.033	2
97	MP1C	X	-126.669	.53
98	MP1C	Z	0	.53
99	MP1C	Mx	-.074	.53
100	MP1C	X	-126.669	3.47
101	MP1C	Z	0	3.47
102	MP1C	Mx	-.074	3.47
103	MP5C	X	-126.669	.53
104	MP5C	Z	0	.53
105	MP5C	Mx	-.074	.53



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
106	MP5C	X	-126.669	3.47
107	MP5C	Z	0	3.47
108	MP5C	Mx	-.074	3.47
109	MP1A	X	-114.749	.53
110	MP1A	Z	0	.53
111	MP1A	Mx	.134	.53
112	MP1A	X	-114.749	3.47
113	MP1A	Z	0	3.47
114	MP1A	Mx	.134	3.47
115	MP1B	X	-70.292	.53
116	MP1B	Z	0	.53
117	MP1B	Mx	-.041	.53
118	MP1B	X	-70.292	3.47
119	MP1B	Z	0	3.47
120	MP1B	Mx	-.041	3.47
121	MP5A	X	-114.749	.53
122	MP5A	Z	0	.53
123	MP5A	Mx	.134	.53
124	MP5A	X	-114.749	3.47
125	MP5A	Z	0	3.47
126	MP5A	Mx	.134	3.47
127	MP5B	X	-70.292	.53
128	MP5B	Z	0	.53
129	MP5B	Mx	-.041	.53
130	MP5B	X	-70.292	3.47
131	MP5B	Z	0	3.47
132	MP5B	Mx	-.041	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-110.923	.67
2	MP3A	Z	-64.042	.67
3	MP3A	Mx	.148	.67
4	MP3A	X	-110.923	5.33
5	MP3A	Z	-64.042	5.33
6	MP3A	Mx	.148	5.33
7	MP3B	X	-148.726	.67
8	MP3B	Z	-85.867	.67
9	MP3B	Mx	-.1	.67
10	MP3B	X	-148.726	5.33
11	MP3B	Z	-85.867	5.33
12	MP3B	Mx	-.1	5.33
13	MP3C	X	-110.923	.67
14	MP3C	Z	-64.042	.67
15	MP3C	Mx	-.074	.67
16	MP3C	X	-110.923	5.33
17	MP3C	Z	-64.042	5.33
18	MP3C	Mx	-.074	5.33
19	MP3A	X	-110.923	.67
20	MP3A	Z	-64.042	.67
21	MP3A	Mx	.074	.67
22	MP3A	X	-110.923	5.33
23	MP3A	Z	-64.042	5.33
24	MP3A	Mx	.074	5.33
25	MP3B	X	-148.726	.67
26	MP3B	Z	-85.867	.67



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
27	MP3B	Mx	.1	.67
28	MP3B	X	-148.726	5.33
29	MP3B	Z	-85.867	5.33
30	MP3B	Mx	.1	5.33
31	MP3C	X	-110.923	.67
32	MP3C	Z	-64.042	.67
33	MP3C	Mx	-.148	.67
34	MP3C	X	-110.923	5.33
35	MP3C	Z	-64.042	5.33
36	MP3C	Mx	-.148	5.33
37	MP4A	X	-47.03	1.04
38	MP4A	Z	-27.153	1.04
39	MP4A	Mx	.047	1.04
40	MP4A	X	-47.03	2.96
41	MP4A	Z	-27.153	2.96
42	MP4A	Mx	.047	2.96
43	MP4B	X	-86.511	1.04
44	MP4B	Z	-49.947	1.04
45	MP4B	Mx	0	1.04
46	MP4B	X	-86.511	2.96
47	MP4B	Z	-49.947	2.96
48	MP4B	Mx	0	2.96
49	MP4C	X	-47.03	1.04
50	MP4C	Z	-27.153	1.04
51	MP4C	Mx	-.047	1.04
52	MP4C	X	-47.03	2.96
53	MP4C	Z	-27.153	2.96
54	MP4C	Mx	-.047	2.96
55	MP4A	X	-22.583	2
56	MP4A	Z	-13.038	2
57	MP4A	Mx	-.023	2
58	MP4A	X	-22.583	2
59	MP4A	Z	-13.038	2
60	MP4A	Mx	-.023	2
61	MP4B	X	-34.42	2
62	MP4B	Z	-19.873	2
63	MP4B	Mx	-1e-6	2
64	MP4B	X	-34.42	2
65	MP4B	Z	-19.873	2
66	MP4B	Mx	-1e-6	2
67	MP4C	X	-22.583	2
68	MP4C	Z	-13.038	2
69	MP4C	Mx	.023	2
70	MP4C	X	-22.583	2
71	MP4C	Z	-13.038	2
72	MP4C	Mx	.023	2
73	MP5A	X	-25.861	2
74	MP5A	Z	-14.931	2
75	MP5A	Mx	-.026	2
76	MP5A	X	-25.861	2
77	MP5A	Z	-14.931	2
78	MP5A	Mx	-.026	2
79	MP5B	X	-34.42	2
80	MP5B	Z	-19.873	2
81	MP5B	Mx	-1e-6	2
82	MP5B	X	-34.42	2
83	MP5B	Z	-19.873	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
84	MP5B	Mx	-1e-6	2
85	MP5C	X	-25.861	2
86	MP5C	Z	-14.931	2
87	MP5C	Mx	.026	2
88	MP5C	X	-25.861	2
89	MP5C	Z	-14.931	2
90	MP5C	Mx	.026	2
91	MP2A	X	-61.444	2
92	MP2A	Z	-35.475	2
93	MP2A	Mx	-.031	2
94	MP2A	X	-61.444	2
95	MP2A	Z	-35.475	2
96	MP2A	Mx	-.031	2
97	MP1C	X	-102.693	.53
98	MP1C	Z	-59.29	.53
99	MP1C	Mx	-.12	.53
100	MP1C	X	-102.693	3.47
101	MP1C	Z	-59.29	3.47
102	MP1C	Mx	-.12	3.47
103	MP5C	X	-102.693	.53
104	MP5C	Z	-59.29	.53
105	MP5C	Mx	-.12	.53
106	MP5C	X	-102.693	3.47
107	MP5C	Z	-59.29	3.47
108	MP5C	Mx	-.12	3.47
109	MP1A	X	-86.542	.53
110	MP1A	Z	-49.965	.53
111	MP1A	Mx	.101	.53
112	MP1A	X	-86.542	3.47
113	MP1A	Z	-49.965	3.47
114	MP1A	Mx	.101	3.47
115	MP1B	X	-48.041	.53
116	MP1B	Z	-27.737	.53
117	MP1B	Mx	1e-6	.53
118	MP1B	X	-48.041	3.47
119	MP1B	Z	-27.737	3.47
120	MP1B	Mx	1e-6	3.47
121	MP5A	X	-86.542	.53
122	MP5A	Z	-49.965	.53
123	MP5A	Mx	.101	.53
124	MP5A	X	-86.542	3.47
125	MP5A	Z	-49.965	3.47
126	MP5A	Mx	.101	3.47
127	MP5B	X	-48.041	.53
128	MP5B	Z	-27.737	.53
129	MP5B	Mx	1e-6	.53
130	MP5B	X	-48.041	3.47
131	MP5B	Z	-27.737	3.47
132	MP5B	Mx	1e-6	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-78.592	.67
2	MP3A	Z	-136.125	.67
3	MP3A	Mx	.158	.67
4	MP3A	X	-78.592	5.33



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
5	MP3A	Z	-136.125	5.33
6	MP3A	Mx	.158	5.33
7	MP3B	X	-78.592	.67
8	MP3B	Z	-136.125	.67
9	MP3B	Mx	-.000815	.67
10	MP3B	X	-78.592	5.33
11	MP3B	Z	-136.125	5.33
12	MP3B	Mx	-.000815	5.33
13	MP3C	X	-56.766	.67
14	MP3C	Z	-98.322	.67
15	MP3C	Mx	-.114	.67
16	MP3C	X	-56.766	5.33
17	MP3C	Z	-98.322	5.33
18	MP3C	Mx	-.114	5.33
19	MP3A	X	-78.592	.67
20	MP3A	Z	-136.125	.67
21	MP3A	Mx	-.000814	.67
22	MP3A	X	-78.592	5.33
23	MP3A	Z	-136.125	5.33
24	MP3A	Mx	-.000814	5.33
25	MP3B	X	-78.592	.67
26	MP3B	Z	-136.125	.67
27	MP3B	Mx	.158	.67
28	MP3B	X	-78.592	5.33
29	MP3B	Z	-136.125	5.33
30	MP3B	Mx	.158	5.33
31	MP3C	X	-56.766	.67
32	MP3C	Z	-98.322	.67
33	MP3C	Mx	-.114	.67
34	MP3C	X	-56.766	5.33
35	MP3C	Z	-98.322	5.33
36	MP3C	Mx	-.114	5.33
37	MP4A	X	-42.349	1.04
38	MP4A	Z	-73.351	1.04
39	MP4A	Mx	.042	1.04
40	MP4A	X	-42.349	2.96
41	MP4A	Z	-73.351	2.96
42	MP4A	Mx	.042	2.96
43	MP4B	X	-42.349	1.04
44	MP4B	Z	-73.351	1.04
45	MP4B	Mx	.042	1.04
46	MP4B	X	-42.349	2.96
47	MP4B	Z	-73.351	2.96
48	MP4B	Mx	.042	2.96
49	MP4C	X	-19.554	1.04
50	MP4C	Z	-33.869	1.04
51	MP4C	Mx	-.039	1.04
52	MP4C	X	-19.554	2.96
53	MP4C	Z	-33.869	2.96
54	MP4C	Mx	-.039	2.96
55	MP4A	X	-17.594	2
56	MP4A	Z	-30.475	2
57	MP4A	Mx	-.018	2
58	MP4A	X	-17.594	2
59	MP4A	Z	-30.475	2
60	MP4A	Mx	-.018	2
61	MP4B	X	-17.594	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
62	MP4B	Z	-30.475	2
63	MP4B	Mx	-.018	2
64	MP4B	X	-17.594	2
65	MP4B	Z	-30.475	2
66	MP4B	Mx	-.018	2
67	MP4C	X	-10.76	2
68	MP4C	Z	-18.637	2
69	MP4C	Mx	.022	2
70	MP4C	X	-10.76	2
71	MP4C	Z	-18.637	2
72	MP4C	Mx	.022	2
73	MP5A	X	-18.225	2
74	MP5A	Z	-31.567	2
75	MP5A	Mx	-.018	2
76	MP5A	X	-18.225	2
77	MP5A	Z	-31.567	2
78	MP5A	Mx	-.018	2
79	MP5B	X	-18.225	2
80	MP5B	Z	-31.567	2
81	MP5B	Mx	-.018	2
82	MP5B	X	-18.225	2
83	MP5B	Z	-31.567	2
84	MP5B	Mx	-.018	2
85	MP5C	X	-13.284	2
86	MP5C	Z	-23.008	2
87	MP5C	Mx	.027	2
88	MP5C	X	-13.284	2
89	MP5C	Z	-23.008	2
90	MP5C	Mx	.027	2
91	MP2A	X	-40.589	2
92	MP2A	Z	-70.302	2
93	MP2A	Mx	-.02	2
94	MP2A	X	-40.589	2
95	MP2A	Z	-70.302	2
96	MP2A	Mx	-.02	2
97	MP1C	X	-57.268	.53
98	MP1C	Z	-99.19	.53
99	MP1C	Mx	-.134	.53
100	MP1C	X	-57.268	3.47
101	MP1C	Z	-99.19	3.47
102	MP1C	Mx	-.134	3.47
103	MP5C	X	-57.268	.53
104	MP5C	Z	-99.19	.53
105	MP5C	Mx	-.134	.53
106	MP5C	X	-57.268	3.47
107	MP5C	Z	-99.19	3.47
108	MP5C	Mx	-.134	3.47
109	MP1A	X	-35.146	.53
110	MP1A	Z	-60.875	.53
111	MP1A	Mx	.041	.53
112	MP1A	X	-35.146	3.47
113	MP1A	Z	-60.875	3.47
114	MP1A	Mx	.041	3.47
115	MP1B	X	-35.146	.53
116	MP1B	Z	-60.875	.53
117	MP1B	Mx	.041	.53
118	MP1B	X	-35.146	3.47



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
119	MP1B	Z	-60.875	3.47
120	MP1B	Mx	.041	3.47
121	MP5A	X	-35.146	.53
122	MP5A	Z	-60.875	.53
123	MP5A	Mx	.041	.53
124	MP5A	X	-35.146	3.47
125	MP5A	Z	-60.875	3.47
126	MP5A	Mx	.041	3.47
127	MP5B	X	-35.146	.53
128	MP5B	Z	-60.875	.53
129	MP5B	Mx	.041	.53
130	MP5B	X	-35.146	3.47
131	MP5B	Z	-60.875	3.47
132	MP5B	Mx	.041	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	.67
2	MP3A	Z	-36.471	.67
3	MP3A	Mx	.021	.67
4	MP3A	X	0	5.33
5	MP3A	Z	-36.471	5.33
6	MP3A	Mx	.021	5.33
7	MP3B	X	0	.67
8	MP3B	Z	-28.377	.67
9	MP3B	Mx	.016	.67
10	MP3B	X	0	5.33
11	MP3B	Z	-28.377	5.33
12	MP3B	Mx	.016	5.33
13	MP3C	X	0	.67
14	MP3C	Z	-28.377	.67
15	MP3C	Mx	-.033	.67
16	MP3C	X	0	5.33
17	MP3C	Z	-28.377	5.33
18	MP3C	Mx	-.033	5.33
19	MP3A	X	0	.67
20	MP3A	Z	-36.471	.67
21	MP3A	Mx	-.021	.67
22	MP3A	X	0	5.33
23	MP3A	Z	-36.471	5.33
24	MP3A	Mx	-.021	5.33
25	MP3B	X	0	.67
26	MP3B	Z	-28.377	.67
27	MP3B	Mx	.033	.67
28	MP3B	X	0	5.33
29	MP3B	Z	-28.377	5.33
30	MP3B	Mx	.033	5.33
31	MP3C	X	0	.67
32	MP3C	Z	-28.377	.67
33	MP3C	Mx	-.016	.67
34	MP3C	X	0	5.33
35	MP3C	Z	-28.377	5.33
36	MP3C	Mx	-.016	5.33
37	MP4A	X	0	1.04
38	MP4A	Z	-21.948	1.04
39	MP4A	Mx	0	1.04



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]	
40	MP4A	X	0	2.96
41	MP4A	Z	-21.948	2.96
42	MP4A	Mx	0	2.96
43	MP4B	X	0	1.04
44	MP4B	Z	-12.821	1.04
45	MP4B	Mx	.011	1.04
46	MP4B	X	0	2.96
47	MP4B	Z	-12.821	2.96
48	MP4B	Mx	.011	2.96
49	MP4C	X	0	1.04
50	MP4C	Z	-12.821	1.04
51	MP4C	Mx	-.011	1.04
52	MP4C	X	0	2.96
53	MP4C	Z	-12.821	2.96
54	MP4C	Mx	-.011	2.96
55	MP4A	X	0	2
56	MP4A	Z	-9.526	2
57	MP4A	Mx	0	2
58	MP4A	X	0	2
59	MP4A	Z	-9.526	2
60	MP4A	Mx	0	2
61	MP4B	X	0	2
62	MP4B	Z	-6.668	2
63	MP4B	Mx	-.006	2
64	MP4B	X	0	2
65	MP4B	Z	-6.668	2
66	MP4B	Mx	-.006	2
67	MP4C	X	0	2
68	MP4C	Z	-6.668	2
69	MP4C	Mx	.006	2
70	MP4C	X	0	2
71	MP4C	Z	-6.668	2
72	MP4C	Mx	.006	2
73	MP5A	X	0	2
74	MP5A	Z	-9.526	2
75	MP5A	Mx	0	2
76	MP5A	X	0	2
77	MP5A	Z	-9.526	2
78	MP5A	Mx	0	2
79	MP5B	X	0	2
80	MP5B	Z	-7.455	2
81	MP5B	Mx	-.006	2
82	MP5B	X	0	2
83	MP5B	Z	-7.455	2
84	MP5B	Mx	-.006	2
85	MP5C	X	0	2
86	MP5C	Z	-7.455	2
87	MP5C	Mx	.006	2
88	MP5C	X	0	2
89	MP5C	Z	-7.455	2
90	MP5C	Mx	.006	2
91	MP2A	X	0	2
92	MP2A	Z	-19.065	2
93	MP2A	Mx	0	2
94	MP2A	X	0	2
95	MP2A	Z	-19.065	2
96	MP2A	Mx	0	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
97	MP1C	X	0	.53
98	MP1C	Z	-25.641	.53
99	MP1C	Mx	-.026	.53
100	MP1C	X	0	3.47
101	MP1C	Z	-25.641	3.47
102	MP1C	Mx	-.026	3.47
103	MP5C	X	0	.53
104	MP5C	Z	-25.641	.53
105	MP5C	Mx	-.026	.53
106	MP5C	X	0	3.47
107	MP5C	Z	-25.641	3.47
108	MP5C	Mx	-.026	3.47
109	MP1A	X	0	.53
110	MP1A	Z	-13.504	.53
111	MP1A	Mx	0	.53
112	MP1A	X	0	3.47
113	MP1A	Z	-13.504	3.47
114	MP1A	Mx	0	3.47
115	MP1B	X	0	.53
116	MP1B	Z	-22.055	.53
117	MP1B	Mx	.022	.53
118	MP1B	X	0	3.47
119	MP1B	Z	-22.055	3.47
120	MP1B	Mx	.022	3.47
121	MP5A	X	0	.53
122	MP5A	Z	-13.504	.53
123	MP5A	Mx	0	.53
124	MP5A	X	0	3.47
125	MP5A	Z	-13.504	3.47
126	MP5A	Mx	0	3.47
127	MP5B	X	0	.53
128	MP5B	Z	-22.055	.53
129	MP5B	Mx	.022	.53
130	MP5B	X	0	3.47
131	MP5B	Z	-22.055	3.47
132	MP5B	Mx	.022	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	16.887	.67
2	MP3A	Z	-29.249	.67
3	MP3A	Mx	.000175	.67
4	MP3A	X	16.887	5.33
5	MP3A	Z	-29.249	5.33
6	MP3A	Mx	.000175	5.33
7	MP3B	X	12.84	.67
8	MP3B	Z	-22.239	.67
9	MP3B	Mx	.026	.67
10	MP3B	X	12.84	5.33
11	MP3B	Z	-22.239	5.33
12	MP3B	Mx	.026	5.33
13	MP3C	X	16.887	.67
14	MP3C	Z	-29.249	.67
15	MP3C	Mx	-.034	.67
16	MP3C	X	16.887	5.33
17	MP3C	Z	-29.249	5.33



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
18	MP3C	Mx	-.034	5.33
19	MP3A	X	16.887	.67
20	MP3A	Z	-29.249	.67
21	MP3A	Mx	-.034	.67
22	MP3A	X	16.887	5.33
23	MP3A	Z	-29.249	5.33
24	MP3A	Mx	-.034	5.33
25	MP3B	X	12.84	.67
26	MP3B	Z	-22.239	.67
27	MP3B	Mx	.026	.67
28	MP3B	X	12.84	5.33
29	MP3B	Z	-22.239	5.33
30	MP3B	Mx	.026	5.33
31	MP3C	X	16.887	.67
32	MP3C	Z	-29.249	.67
33	MP3C	Mx	.000175	.67
34	MP3C	X	16.887	5.33
35	MP3C	Z	-29.249	5.33
36	MP3C	Mx	.000175	5.33
37	MP4A	X	9.453	1.04
38	MP4A	Z	-16.373	1.04
39	MP4A	Mx	-.009	1.04
40	MP4A	X	9.453	2.96
41	MP4A	Z	-16.373	2.96
42	MP4A	Mx	-.009	2.96
43	MP4B	X	4.889	1.04
44	MP4B	Z	-8.468	1.04
45	MP4B	Mx	.01	1.04
46	MP4B	X	4.889	2.96
47	MP4B	Z	-8.468	2.96
48	MP4B	Mx	.01	2.96
49	MP4C	X	9.453	1.04
50	MP4C	Z	-16.373	1.04
51	MP4C	Mx	-.009	1.04
52	MP4C	X	9.453	2.96
53	MP4C	Z	-16.373	2.96
54	MP4C	Mx	-.009	2.96
55	MP4A	X	4.287	2
56	MP4A	Z	-7.425	2
57	MP4A	Mx	.004	2
58	MP4A	X	4.287	2
59	MP4A	Z	-7.425	2
60	MP4A	Mx	.004	2
61	MP4B	X	2.858	2
62	MP4B	Z	-4.95	2
63	MP4B	Mx	-.006	2
64	MP4B	X	2.858	2
65	MP4B	Z	-4.95	2
66	MP4B	Mx	-.006	2
67	MP4C	X	4.287	2
68	MP4C	Z	-7.425	2
69	MP4C	Mx	.004	2
70	MP4C	X	4.287	2
71	MP4C	Z	-7.425	2
72	MP4C	Mx	.004	2
73	MP5A	X	4.418	2
74	MP5A	Z	-7.652	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]	
75	MP5A	Mx	.004	2
76	MP5A	X	4.418	2
77	MP5A	Z	-7.652	2
78	MP5A	Mx	.004	2
79	MP5B	X	3.382	2
80	MP5B	Z	-5.859	2
81	MP5B	Mx	-.007	2
82	MP5B	X	3.382	2
83	MP5B	Z	-5.859	2
84	MP5B	Mx	-.007	2
85	MP5C	X	4.418	2
86	MP5C	Z	-7.652	2
87	MP5C	Mx	.004	2
88	MP5C	X	4.418	2
89	MP5C	Z	-7.652	2
90	MP5C	Mx	.004	2
91	MP2A	X	9.034	2
92	MP2A	Z	-15.648	2
93	MP2A	Mx	.005	2
94	MP2A	X	9.034	2
95	MP2A	Z	-15.648	2
96	MP2A	Mx	.005	2
97	MP1C	X	13.592	.53
98	MP1C	Z	-23.542	.53
99	MP1C	Mx	-.016	.53
100	MP1C	X	13.592	3.47
101	MP1C	Z	-23.542	3.47
102	MP1C	Mx	-.016	3.47
103	MP5C	X	13.592	.53
104	MP5C	Z	-23.542	.53
105	MP5C	Mx	-.016	.53
106	MP5C	X	13.592	3.47
107	MP5C	Z	-23.542	3.47
108	MP5C	Mx	-.016	3.47
109	MP1A	X	8.177	.53
110	MP1A	Z	-14.163	.53
111	MP1A	Mx	-.01	.53
112	MP1A	X	8.177	3.47
113	MP1A	Z	-14.163	3.47
114	MP1A	Mx	-.01	3.47
115	MP1B	X	12.453	.53
116	MP1B	Z	-21.569	.53
117	MP1B	Mx	.029	.53
118	MP1B	X	12.453	3.47
119	MP1B	Z	-21.569	3.47
120	MP1B	Mx	.029	3.47
121	MP5A	X	8.177	.53
122	MP5A	Z	-14.163	.53
123	MP5A	Mx	-.01	.53
124	MP5A	X	8.177	3.47
125	MP5A	Z	-14.163	3.47
126	MP5A	Mx	-.01	3.47
127	MP5B	X	12.453	.53
128	MP5B	Z	-21.569	.53
129	MP5B	Mx	.029	.53
130	MP5B	X	12.453	3.47
131	MP5B	Z	-21.569	3.47



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
132	MP5B	Mx	.029	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	24.576	.67
2	MP3A	Z	-14.189	.67
3	MP3A	Mx	-.016	.67
4	MP3A	X	24.576	5.33
5	MP3A	Z	-14.189	5.33
6	MP3A	Mx	-.016	5.33
7	MP3B	X	24.576	.67
8	MP3B	Z	-14.189	.67
9	MP3B	Mx	.033	.67
10	MP3B	X	24.576	5.33
11	MP3B	Z	-14.189	5.33
12	MP3B	Mx	.033	5.33
13	MP3C	X	31.585	.67
14	MP3C	Z	-18.236	.67
15	MP3C	Mx	-.021	.67
16	MP3C	X	31.585	5.33
17	MP3C	Z	-18.236	5.33
18	MP3C	Mx	-.021	5.33
19	MP3A	X	24.576	.67
20	MP3A	Z	-14.189	.67
21	MP3A	Mx	-.033	.67
22	MP3A	X	24.576	5.33
23	MP3A	Z	-14.189	5.33
24	MP3A	Mx	-.033	5.33
25	MP3B	X	24.576	.67
26	MP3B	Z	-14.189	.67
27	MP3B	Mx	.016	.67
28	MP3B	X	24.576	5.33
29	MP3B	Z	-14.189	5.33
30	MP3B	Mx	.016	5.33
31	MP3C	X	31.585	.67
32	MP3C	Z	-18.236	.67
33	MP3C	Mx	.021	.67
34	MP3C	X	31.585	5.33
35	MP3C	Z	-18.236	5.33
36	MP3C	Mx	.021	5.33
37	MP4A	X	11.103	1.04
38	MP4A	Z	-6.41	1.04
39	MP4A	Mx	-.011	1.04
40	MP4A	X	11.103	2.96
41	MP4A	Z	-6.41	2.96
42	MP4A	Mx	-.011	2.96
43	MP4B	X	11.103	1.04
44	MP4B	Z	-6.41	1.04
45	MP4B	Mx	.011	1.04
46	MP4B	X	11.103	2.96
47	MP4B	Z	-6.41	2.96
48	MP4B	Mx	.011	2.96
49	MP4C	X	19.007	1.04
50	MP4C	Z	-10.974	1.04
51	MP4C	Mx	0	1.04
52	MP4C	X	19.007	2.96



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]	
53	MP4C	Z	-10.974	2.96
54	MP4C	Mx	0	2.96
55	MP4A	X	5.775	2
56	MP4A	Z	-3.334	2
57	MP4A	Mx	.006	2
58	MP4A	X	5.775	2
59	MP4A	Z	-3.334	2
60	MP4A	Mx	.006	2
61	MP4B	X	5.775	2
62	MP4B	Z	-3.334	2
63	MP4B	Mx	-.006	2
64	MP4B	X	5.775	2
65	MP4B	Z	-3.334	2
66	MP4B	Mx	-.006	2
67	MP4C	X	8.25	2
68	MP4C	Z	-4.763	2
69	MP4C	Mx	0	2
70	MP4C	X	8.25	2
71	MP4C	Z	-4.763	2
72	MP4C	Mx	0	2
73	MP5A	X	6.456	2
74	MP5A	Z	-3.728	2
75	MP5A	Mx	.006	2
76	MP5A	X	6.456	2
77	MP5A	Z	-3.728	2
78	MP5A	Mx	.006	2
79	MP5B	X	6.456	2
80	MP5B	Z	-3.728	2
81	MP5B	Mx	-.006	2
82	MP5B	X	6.456	2
83	MP5B	Z	-3.728	2
84	MP5B	Mx	-.006	2
85	MP5C	X	8.25	2
86	MP5C	Z	-4.763	2
87	MP5C	Mx	0	2
88	MP5C	X	8.25	2
89	MP5C	Z	-4.763	2
90	MP5C	Mx	0	2
91	MP2A	X	13.924	2
92	MP2A	Z	-8.039	2
93	MP2A	Mx	.007	2
94	MP2A	X	13.924	2
95	MP2A	Z	-8.039	2
96	MP2A	Mx	.007	2
97	MP1C	X	24.21	.53
98	MP1C	Z	-13.978	.53
99	MP1C	Mx	0	.53
100	MP1C	X	24.21	3.47
101	MP1C	Z	-13.978	3.47
102	MP1C	Mx	0	3.47
103	MP5C	X	24.21	.53
104	MP5C	Z	-13.978	.53
105	MP5C	Mx	0	.53
106	MP5C	X	24.21	3.47
107	MP5C	Z	-13.978	3.47
108	MP5C	Mx	0	3.47
109	MP1A	X	19.1	.53



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
110	MP1A	Z	-11.028	.53
111	MP1A	Mx	-.022	.53
112	MP1A	X	19.1	3.47
113	MP1A	Z	-11.028	3.47
114	MP1A	Mx	-.022	3.47
115	MP1B	X	19.1	.53
116	MP1B	Z	-11.028	.53
117	MP1B	Mx	.022	.53
118	MP1B	X	19.1	3.47
119	MP1B	Z	-11.028	3.47
120	MP1B	Mx	.022	3.47
121	MP5A	X	19.1	.53
122	MP5A	Z	-11.028	.53
123	MP5A	Mx	-.022	.53
124	MP5A	X	19.1	3.47
125	MP5A	Z	-11.028	3.47
126	MP5A	Mx	-.022	3.47
127	MP5B	X	19.1	.53
128	MP5B	Z	-11.028	.53
129	MP5B	Mx	.022	.53
130	MP5B	X	19.1	3.47
131	MP5B	Z	-11.028	3.47
132	MP5B	Mx	.022	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	25.68	.67
2	MP3A	Z	0	.67
3	MP3A	Mx	-.026	.67
4	MP3A	X	25.68	5.33
5	MP3A	Z	0	5.33
6	MP3A	Mx	-.026	5.33
7	MP3B	X	33.773	.67
8	MP3B	Z	0	.67
9	MP3B	Mx	.034	.67
10	MP3B	X	33.773	5.33
11	MP3B	Z	0	5.33
12	MP3B	Mx	.034	5.33
13	MP3C	X	33.773	.67
14	MP3C	Z	0	.67
15	MP3C	Mx	-.000175	.67
16	MP3C	X	33.773	5.33
17	MP3C	Z	0	5.33
18	MP3C	Mx	-.000175	5.33
19	MP3A	X	25.68	.67
20	MP3A	Z	0	.67
21	MP3A	Mx	-.026	.67
22	MP3A	X	25.68	5.33
23	MP3A	Z	0	5.33
24	MP3A	Mx	-.026	5.33
25	MP3B	X	33.773	.67
26	MP3B	Z	0	.67
27	MP3B	Mx	-.000175	.67
28	MP3B	X	33.773	5.33
29	MP3B	Z	0	5.33
30	MP3B	Mx	-.000175	5.33



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]	
31	MP3C	X	33.773	.67
32	MP3C	Z	0	.67
33	MP3C	Mx	.034	.67
34	MP3C	X	33.773	5.33
35	MP3C	Z	0	5.33
36	MP3C	Mx	.034	5.33
37	MP4A	X	9.778	1.04
38	MP4A	Z	0	1.04
39	MP4A	Mx	-.01	1.04
40	MP4A	X	9.778	2.96
41	MP4A	Z	0	2.96
42	MP4A	Mx	-.01	2.96
43	MP4B	X	18.905	1.04
44	MP4B	Z	0	1.04
45	MP4B	Mx	.009	1.04
46	MP4B	X	18.905	2.96
47	MP4B	Z	0	2.96
48	MP4B	Mx	.009	2.96
49	MP4C	X	18.905	1.04
50	MP4C	Z	0	1.04
51	MP4C	Mx	.009	1.04
52	MP4C	X	18.905	2.96
53	MP4C	Z	0	2.96
54	MP4C	Mx	.009	2.96
55	MP4A	X	5.716	2
56	MP4A	Z	0	2
57	MP4A	Mx	.006	2
58	MP4A	X	5.716	2
59	MP4A	Z	0	2
60	MP4A	Mx	.006	2
61	MP4B	X	8.573	2
62	MP4B	Z	0	2
63	MP4B	Mx	-.004	2
64	MP4B	X	8.573	2
65	MP4B	Z	0	2
66	MP4B	Mx	-.004	2
67	MP4C	X	8.573	2
68	MP4C	Z	0	2
69	MP4C	Mx	-.004	2
70	MP4C	X	8.573	2
71	MP4C	Z	0	2
72	MP4C	Mx	-.004	2
73	MP5A	X	6.765	2
74	MP5A	Z	0	2
75	MP5A	Mx	.007	2
76	MP5A	X	6.765	2
77	MP5A	Z	0	2
78	MP5A	Mx	.007	2
79	MP5B	X	8.836	2
80	MP5B	Z	0	2
81	MP5B	Mx	-.004	2
82	MP5B	X	8.836	2
83	MP5B	Z	0	2
84	MP5B	Mx	-.004	2
85	MP5C	X	8.836	2
86	MP5C	Z	0	2
87	MP5C	Mx	-.004	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
88	MP5C	X	8.836	2
89	MP5C	Z	0	2
90	MP5C	Mx	-.004	2
91	MP2A	X	15.082	2
92	MP2A	Z	0	2
93	MP2A	Mx	.008	2
94	MP2A	X	15.082	2
95	MP2A	Z	0	2
96	MP2A	Mx	.008	2
97	MP1C	X	27.184	.53
98	MP1C	Z	0	.53
99	MP1C	Mx	.016	.53
100	MP1C	X	27.184	3.47
101	MP1C	Z	0	3.47
102	MP1C	Mx	.016	3.47
103	MP5C	X	27.184	.53
104	MP5C	Z	0	.53
105	MP5C	Mx	.016	.53
106	MP5C	X	27.184	3.47
107	MP5C	Z	0	3.47
108	MP5C	Mx	.016	3.47
109	MP1A	X	24.905	.53
110	MP1A	Z	0	.53
111	MP1A	Mx	-.029	.53
112	MP1A	X	24.905	3.47
113	MP1A	Z	0	3.47
114	MP1A	Mx	-.029	3.47
115	MP1B	X	16.354	.53
116	MP1B	Z	0	.53
117	MP1B	Mx	.01	.53
118	MP1B	X	16.354	3.47
119	MP1B	Z	0	3.47
120	MP1B	Mx	.01	3.47
121	MP5A	X	24.905	.53
122	MP5A	Z	0	.53
123	MP5A	Mx	-.029	.53
124	MP5A	X	24.905	3.47
125	MP5A	Z	0	3.47
126	MP5A	Mx	-.029	3.47
127	MP5B	X	16.354	.53
128	MP5B	Z	0	.53
129	MP5B	Mx	.01	.53
130	MP5B	X	16.354	3.47
131	MP5B	Z	0	3.47
132	MP5B	Mx	.01	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	24.576	.67
2	MP3A	Z	14.189	.67
3	MP3A	Mx	-.033	.67
4	MP3A	X	24.576	5.33
5	MP3A	Z	14.189	5.33
6	MP3A	Mx	-.033	5.33
7	MP3B	X	31.585	.67
8	MP3B	Z	18.236	.67



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
9	MP3B	Mx	.021	.67
10	MP3B	X	31.585	5.33
11	MP3B	Z	18.236	5.33
12	MP3B	Mx	.021	5.33
13	MP3C	X	24.576	.67
14	MP3C	Z	14.189	.67
15	MP3C	Mx	.016	.67
16	MP3C	X	24.576	5.33
17	MP3C	Z	14.189	5.33
18	MP3C	Mx	.016	5.33
19	MP3A	X	24.576	.67
20	MP3A	Z	14.189	.67
21	MP3A	Mx	-.016	.67
22	MP3A	X	24.576	5.33
23	MP3A	Z	14.189	5.33
24	MP3A	Mx	-.016	5.33
25	MP3B	X	31.585	.67
26	MP3B	Z	18.236	.67
27	MP3B	Mx	-.021	.67
28	MP3B	X	31.585	5.33
29	MP3B	Z	18.236	5.33
30	MP3B	Mx	-.021	5.33
31	MP3C	X	24.576	.67
32	MP3C	Z	14.189	.67
33	MP3C	Mx	.033	.67
34	MP3C	X	24.576	5.33
35	MP3C	Z	14.189	5.33
36	MP3C	Mx	.033	5.33
37	MP4A	X	11.103	1.04
38	MP4A	Z	6.41	1.04
39	MP4A	Mx	-.011	1.04
40	MP4A	X	11.103	2.96
41	MP4A	Z	6.41	2.96
42	MP4A	Mx	-.011	2.96
43	MP4B	X	19.007	1.04
44	MP4B	Z	10.974	1.04
45	MP4B	Mx	0	1.04
46	MP4B	X	19.007	2.96
47	MP4B	Z	10.974	2.96
48	MP4B	Mx	0	2.96
49	MP4C	X	11.103	1.04
50	MP4C	Z	6.41	1.04
51	MP4C	Mx	.011	1.04
52	MP4C	X	11.103	2.96
53	MP4C	Z	6.41	2.96
54	MP4C	Mx	.011	2.96
55	MP4A	X	5.775	2
56	MP4A	Z	3.334	2
57	MP4A	Mx	.006	2
58	MP4A	X	5.775	2
59	MP4A	Z	3.334	2
60	MP4A	Mx	.006	2
61	MP4B	X	8.25	2
62	MP4B	Z	4.763	2
63	MP4B	Mx	0	2
64	MP4B	X	8.25	2
65	MP4B	Z	4.763	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
66	MP4B	Mx	0	2
67	MP4C	X	5.775	2
68	MP4C	Z	3.334	2
69	MP4C	Mx	-.006	2
70	MP4C	X	5.775	2
71	MP4C	Z	3.334	2
72	MP4C	Mx	-.006	2
73	MP5A	X	6.456	2
74	MP5A	Z	3.728	2
75	MP5A	Mx	.006	2
76	MP5A	X	6.456	2
77	MP5A	Z	3.728	2
78	MP5A	Mx	.006	2
79	MP5B	X	8.25	2
80	MP5B	Z	4.763	2
81	MP5B	Mx	0	2
82	MP5B	X	8.25	2
83	MP5B	Z	4.763	2
84	MP5B	Mx	0	2
85	MP5C	X	6.456	2
86	MP5C	Z	3.728	2
87	MP5C	Mx	-.006	2
88	MP5C	X	6.456	2
89	MP5C	Z	3.728	2
90	MP5C	Mx	-.006	2
91	MP2A	X	13.924	2
92	MP2A	Z	8.039	2
93	MP2A	Mx	.007	2
94	MP2A	X	13.924	2
95	MP2A	Z	8.039	2
96	MP2A	Mx	.007	2
97	MP1C	X	22.206	.53
98	MP1C	Z	12.82	.53
99	MP1C	Mx	.026	.53
100	MP1C	X	22.206	3.47
101	MP1C	Z	12.82	3.47
102	MP1C	Mx	.026	3.47
103	MP5C	X	22.206	.53
104	MP5C	Z	12.82	.53
105	MP5C	Mx	.026	.53
106	MP5C	X	22.206	3.47
107	MP5C	Z	12.82	3.47
108	MP5C	Mx	.026	3.47
109	MP1A	X	19.1	.53
110	MP1A	Z	11.028	.53
111	MP1A	Mx	-.022	.53
112	MP1A	X	19.1	3.47
113	MP1A	Z	11.028	3.47
114	MP1A	Mx	-.022	3.47
115	MP1B	X	11.695	.53
116	MP1B	Z	6.752	.53
117	MP1B	Mx	0	.53
118	MP1B	X	11.695	3.47
119	MP1B	Z	6.752	3.47
120	MP1B	Mx	0	3.47
121	MP5A	X	19.1	.53
122	MP5A	Z	11.028	.53



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
123	MP5A	Mx	-.022	.53
124	MP5A	X	19.1	3.47
125	MP5A	Z	11.028	3.47
126	MP5A	Mx	-.022	3.47
127	MP5B	X	11.695	.53
128	MP5B	Z	6.752	.53
129	MP5B	Mx	0	.53
130	MP5B	X	11.695	3.47
131	MP5B	Z	6.752	3.47
132	MP5B	Mx	0	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP3A	X	16.887	.67
2	MP3A	Z	29.249	.67
3	MP3A	Mx	-.034	.67
4	MP3A	X	16.887	5.33
5	MP3A	Z	29.249	5.33
6	MP3A	Mx	-.034	5.33
7	MP3B	X	16.887	.67
8	MP3B	Z	29.249	.67
9	MP3B	Mx	.000175	.67
10	MP3B	X	16.887	5.33
11	MP3B	Z	29.249	5.33
12	MP3B	Mx	.000175	5.33
13	MP3C	X	12.84	.67
14	MP3C	Z	22.239	.67
15	MP3C	Mx	.026	.67
16	MP3C	X	12.84	5.33
17	MP3C	Z	22.239	5.33
18	MP3C	Mx	.026	5.33
19	MP3A	X	16.887	.67
20	MP3A	Z	29.249	.67
21	MP3A	Mx	.000175	.67
22	MP3A	X	16.887	5.33
23	MP3A	Z	29.249	5.33
24	MP3A	Mx	.000175	5.33
25	MP3B	X	16.887	.67
26	MP3B	Z	29.249	.67
27	MP3B	Mx	-.034	.67
28	MP3B	X	16.887	5.33
29	MP3B	Z	29.249	5.33
30	MP3B	Mx	-.034	5.33
31	MP3C	X	12.84	.67
32	MP3C	Z	22.239	.67
33	MP3C	Mx	.026	.67
34	MP3C	X	12.84	5.33
35	MP3C	Z	22.239	5.33
36	MP3C	Mx	.026	5.33
37	MP4A	X	9.453	1.04
38	MP4A	Z	16.373	1.04
39	MP4A	Mx	-.009	1.04
40	MP4A	X	9.453	2.96
41	MP4A	Z	16.373	2.96
42	MP4A	Mx	-.009	2.96
43	MP4B	X	9.453	1.04



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
44	MP4B	Z	16.373	1.04
45	MP4B	Mx	-.009	1.04
46	MP4B	X	9.453	2.96
47	MP4B	Z	16.373	2.96
48	MP4B	Mx	-.009	2.96
49	MP4C	X	4.889	1.04
50	MP4C	Z	8.468	1.04
51	MP4C	Mx	.01	1.04
52	MP4C	X	4.889	2.96
53	MP4C	Z	8.468	2.96
54	MP4C	Mx	.01	2.96
55	MP4A	X	4.287	2
56	MP4A	Z	7.425	2
57	MP4A	Mx	.004	2
58	MP4A	X	4.287	2
59	MP4A	Z	7.425	2
60	MP4A	Mx	.004	2
61	MP4B	X	4.287	2
62	MP4B	Z	7.425	2
63	MP4B	Mx	.004	2
64	MP4B	X	4.287	2
65	MP4B	Z	7.425	2
66	MP4B	Mx	.004	2
67	MP4C	X	2.858	2
68	MP4C	Z	4.95	2
69	MP4C	Mx	-.006	2
70	MP4C	X	2.858	2
71	MP4C	Z	4.95	2
72	MP4C	Mx	-.006	2
73	MP5A	X	4.418	2
74	MP5A	Z	7.652	2
75	MP5A	Mx	.004	2
76	MP5A	X	4.418	2
77	MP5A	Z	7.652	2
78	MP5A	Mx	.004	2
79	MP5B	X	4.418	2
80	MP5B	Z	7.652	2
81	MP5B	Mx	.004	2
82	MP5B	X	4.418	2
83	MP5B	Z	7.652	2
84	MP5B	Mx	.004	2
85	MP5C	X	3.382	2
86	MP5C	Z	5.859	2
87	MP5C	Mx	-.007	2
88	MP5C	X	3.382	2
89	MP5C	Z	5.859	2
90	MP5C	Mx	-.007	2
91	MP2A	X	9.034	2
92	MP2A	Z	15.648	2
93	MP2A	Mx	.005	2
94	MP2A	X	9.034	2
95	MP2A	Z	15.648	2
96	MP2A	Mx	.005	2
97	MP1C	X	12.435	.53
98	MP1C	Z	21.538	.53
99	MP1C	Mx	.029	.53
100	MP1C	X	12.435	3.47



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
101	MP1C	Z	21.538	3.47
102	MP1C	Mx	.029	3.47
103	MP5C	X	12.435	.53
104	MP5C	Z	21.538	.53
105	MP5C	Mx	.029	.53
106	MP5C	X	12.435	3.47
107	MP5C	Z	21.538	3.47
108	MP5C	Mx	.029	3.47
109	MP1A	X	8.177	.53
110	MP1A	Z	14.163	.53
111	MP1A	Mx	-.01	.53
112	MP1A	X	8.177	3.47
113	MP1A	Z	14.163	3.47
114	MP1A	Mx	-.01	3.47
115	MP1B	X	8.177	.53
116	MP1B	Z	14.163	.53
117	MP1B	Mx	-.01	.53
118	MP1B	X	8.177	3.47
119	MP1B	Z	14.163	3.47
120	MP1B	Mx	-.01	3.47
121	MP5A	X	8.177	.53
122	MP5A	Z	14.163	.53
123	MP5A	Mx	-.01	.53
124	MP5A	X	8.177	3.47
125	MP5A	Z	14.163	3.47
126	MP5A	Mx	-.01	3.47
127	MP5B	X	8.177	.53
128	MP5B	Z	14.163	.53
129	MP5B	Mx	-.01	.53
130	MP5B	X	8.177	3.47
131	MP5B	Z	14.163	3.47
132	MP5B	Mx	-.01	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	.67
2	MP3A	Z	36.471	.67
3	MP3A	Mx	-.021	.67
4	MP3A	X	0	5.33
5	MP3A	Z	36.471	5.33
6	MP3A	Mx	-.021	5.33
7	MP3B	X	0	.67
8	MP3B	Z	28.377	.67
9	MP3B	Mx	-.016	.67
10	MP3B	X	0	5.33
11	MP3B	Z	28.377	5.33
12	MP3B	Mx	-.016	5.33
13	MP3C	X	0	.67
14	MP3C	Z	28.377	.67
15	MP3C	Mx	.033	.67
16	MP3C	X	0	5.33
17	MP3C	Z	28.377	5.33
18	MP3C	Mx	.033	5.33
19	MP3A	X	0	.67
20	MP3A	Z	36.471	.67
21	MP3A	Mx	.021	.67



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
22	MP3A	X	0	5.33
23	MP3A	Z	36.471	5.33
24	MP3A	Mx	.021	5.33
25	MP3B	X	0	.67
26	MP3B	Z	28.377	.67
27	MP3B	Mx	-.033	.67
28	MP3B	X	0	5.33
29	MP3B	Z	28.377	5.33
30	MP3B	Mx	-.033	5.33
31	MP3C	X	0	.67
32	MP3C	Z	28.377	.67
33	MP3C	Mx	.016	.67
34	MP3C	X	0	5.33
35	MP3C	Z	28.377	5.33
36	MP3C	Mx	.016	5.33
37	MP4A	X	0	1.04
38	MP4A	Z	21.948	1.04
39	MP4A	Mx	0	1.04
40	MP4A	X	0	2.96
41	MP4A	Z	21.948	2.96
42	MP4A	Mx	0	2.96
43	MP4B	X	0	1.04
44	MP4B	Z	12.821	1.04
45	MP4B	Mx	-.011	1.04
46	MP4B	X	0	2.96
47	MP4B	Z	12.821	2.96
48	MP4B	Mx	-.011	2.96
49	MP4C	X	0	1.04
50	MP4C	Z	12.821	1.04
51	MP4C	Mx	.011	1.04
52	MP4C	X	0	2.96
53	MP4C	Z	12.821	2.96
54	MP4C	Mx	.011	2.96
55	MP4A	X	0	2
56	MP4A	Z	9.526	2
57	MP4A	Mx	0	2
58	MP4A	X	0	2
59	MP4A	Z	9.526	2
60	MP4A	Mx	0	2
61	MP4B	X	0	2
62	MP4B	Z	6.668	2
63	MP4B	Mx	.006	2
64	MP4B	X	0	2
65	MP4B	Z	6.668	2
66	MP4B	Mx	.006	2
67	MP4C	X	0	2
68	MP4C	Z	6.668	2
69	MP4C	Mx	-.006	2
70	MP4C	X	0	2
71	MP4C	Z	6.668	2
72	MP4C	Mx	-.006	2
73	MP5A	X	0	2
74	MP5A	Z	9.526	2
75	MP5A	Mx	0	2
76	MP5A	X	0	2
77	MP5A	Z	9.526	2
78	MP5A	Mx	0	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
79	MP5B	X	0	2
80	MP5B	Z	7.455	2
81	MP5B	Mx	.006	2
82	MP5B	X	0	2
83	MP5B	Z	7.455	2
84	MP5B	Mx	.006	2
85	MP5C	X	0	2
86	MP5C	Z	7.455	2
87	MP5C	Mx	-.006	2
88	MP5C	X	0	2
89	MP5C	Z	7.455	2
90	MP5C	Mx	-.006	2
91	MP2A	X	0	2
92	MP2A	Z	19.065	2
93	MP2A	Mx	0	2
94	MP2A	X	0	2
95	MP2A	Z	19.065	2
96	MP2A	Mx	0	2
97	MP1C	X	0	.53
98	MP1C	Z	25.641	.53
99	MP1C	Mx	.026	.53
100	MP1C	X	0	3.47
101	MP1C	Z	25.641	3.47
102	MP1C	Mx	.026	3.47
103	MP5C	X	0	.53
104	MP5C	Z	25.641	.53
105	MP5C	Mx	.026	.53
106	MP5C	X	0	3.47
107	MP5C	Z	25.641	3.47
108	MP5C	Mx	.026	3.47
109	MP1A	X	0	.53
110	MP1A	Z	13.504	.53
111	MP1A	Mx	0	.53
112	MP1A	X	0	3.47
113	MP1A	Z	13.504	3.47
114	MP1A	Mx	0	3.47
115	MP1B	X	0	.53
116	MP1B	Z	22.055	.53
117	MP1B	Mx	-.022	.53
118	MP1B	X	0	3.47
119	MP1B	Z	22.055	3.47
120	MP1B	Mx	-.022	3.47
121	MP5A	X	0	.53
122	MP5A	Z	13.504	.53
123	MP5A	Mx	0	.53
124	MP5A	X	0	3.47
125	MP5A	Z	13.504	3.47
126	MP5A	Mx	0	3.47
127	MP5B	X	0	.53
128	MP5B	Z	22.055	.53
129	MP5B	Mx	-.022	.53
130	MP5B	X	0	3.47
131	MP5B	Z	22.055	3.47
132	MP5B	Mx	-.022	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-16.887	.67
2	MP3A	Z	29.249	.67
3	MP3A	Mx	-.000175	.67
4	MP3A	X	-16.887	5.33
5	MP3A	Z	29.249	5.33
6	MP3A	Mx	-.000175	5.33
7	MP3B	X	-12.84	.67
8	MP3B	Z	22.239	.67
9	MP3B	Mx	-.026	.67
10	MP3B	X	-12.84	5.33
11	MP3B	Z	22.239	5.33
12	MP3B	Mx	-.026	5.33
13	MP3C	X	-16.887	.67
14	MP3C	Z	29.249	.67
15	MP3C	Mx	.034	.67
16	MP3C	X	-16.887	5.33
17	MP3C	Z	29.249	5.33
18	MP3C	Mx	.034	5.33
19	MP3A	X	-16.887	.67
20	MP3A	Z	29.249	.67
21	MP3A	Mx	.034	.67
22	MP3A	X	-16.887	5.33
23	MP3A	Z	29.249	5.33
24	MP3A	Mx	.034	5.33
25	MP3B	X	-12.84	.67
26	MP3B	Z	22.239	.67
27	MP3B	Mx	-.026	.67
28	MP3B	X	-12.84	5.33
29	MP3B	Z	22.239	5.33
30	MP3B	Mx	-.026	5.33
31	MP3C	X	-16.887	.67
32	MP3C	Z	29.249	.67
33	MP3C	Mx	-.000175	.67
34	MP3C	X	-16.887	5.33
35	MP3C	Z	29.249	5.33
36	MP3C	Mx	-.000175	5.33
37	MP4A	X	-9.453	1.04
38	MP4A	Z	16.373	1.04
39	MP4A	Mx	.009	1.04
40	MP4A	X	-9.453	2.96
41	MP4A	Z	16.373	2.96
42	MP4A	Mx	.009	2.96
43	MP4B	X	-4.889	1.04
44	MP4B	Z	8.468	1.04
45	MP4B	Mx	-.01	1.04
46	MP4B	X	-4.889	2.96
47	MP4B	Z	8.468	2.96
48	MP4B	Mx	-.01	2.96
49	MP4C	X	-9.453	1.04
50	MP4C	Z	16.373	1.04
51	MP4C	Mx	.009	1.04
52	MP4C	X	-9.453	2.96
53	MP4C	Z	16.373	2.96
54	MP4C	Mx	.009	2.96
55	MP4A	X	-4.287	2
56	MP4A	Z	7.425	2
57	MP4A	Mx	-.004	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
58	MP4A	X	-4.287	2
59	MP4A	Z	7.425	2
60	MP4A	Mx	-.004	2
61	MP4B	X	-2.858	2
62	MP4B	Z	4.95	2
63	MP4B	Mx	.006	2
64	MP4B	X	-2.858	2
65	MP4B	Z	4.95	2
66	MP4B	Mx	.006	2
67	MP4C	X	-4.287	2
68	MP4C	Z	7.425	2
69	MP4C	Mx	-.004	2
70	MP4C	X	-4.287	2
71	MP4C	Z	7.425	2
72	MP4C	Mx	-.004	2
73	MP5A	X	-4.418	2
74	MP5A	Z	7.652	2
75	MP5A	Mx	-.004	2
76	MP5A	X	-4.418	2
77	MP5A	Z	7.652	2
78	MP5A	Mx	-.004	2
79	MP5B	X	-3.382	2
80	MP5B	Z	5.859	2
81	MP5B	Mx	.007	2
82	MP5B	X	-3.382	2
83	MP5B	Z	5.859	2
84	MP5B	Mx	.007	2
85	MP5C	X	-4.418	2
86	MP5C	Z	7.652	2
87	MP5C	Mx	-.004	2
88	MP5C	X	-4.418	2
89	MP5C	Z	7.652	2
90	MP5C	Mx	-.004	2
91	MP2A	X	-9.034	2
92	MP2A	Z	15.648	2
93	MP2A	Mx	-.005	2
94	MP2A	X	-9.034	2
95	MP2A	Z	15.648	2
96	MP2A	Mx	-.005	2
97	MP1C	X	-13.592	.53
98	MP1C	Z	23.542	.53
99	MP1C	Mx	.016	.53
100	MP1C	X	-13.592	3.47
101	MP1C	Z	23.542	3.47
102	MP1C	Mx	.016	3.47
103	MP5C	X	-13.592	.53
104	MP5C	Z	23.542	.53
105	MP5C	Mx	.016	.53
106	MP5C	X	-13.592	3.47
107	MP5C	Z	23.542	3.47
108	MP5C	Mx	.016	3.47
109	MP1A	X	-8.177	.53
110	MP1A	Z	14.163	.53
111	MP1A	Mx	.01	.53
112	MP1A	X	-8.177	3.47
113	MP1A	Z	14.163	3.47
114	MP1A	Mx	.01	3.47



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
115	MP1B	X	-12.453	.53
116	MP1B	Z	21.569	.53
117	MP1B	Mx	-.029	.53
118	MP1B	X	-12.453	3.47
119	MP1B	Z	21.569	3.47
120	MP1B	Mx	-.029	3.47
121	MP5A	X	-8.177	.53
122	MP5A	Z	14.163	.53
123	MP5A	Mx	.01	.53
124	MP5A	X	-8.177	3.47
125	MP5A	Z	14.163	3.47
126	MP5A	Mx	.01	3.47
127	MP5B	X	-12.453	.53
128	MP5B	Z	21.569	.53
129	MP5B	Mx	-.029	.53
130	MP5B	X	-12.453	3.47
131	MP5B	Z	21.569	3.47
132	MP5B	Mx	-.029	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-24.576	.67
2	MP3A	Z	14.189	.67
3	MP3A	Mx	.016	.67
4	MP3A	X	-24.576	5.33
5	MP3A	Z	14.189	5.33
6	MP3A	Mx	.016	5.33
7	MP3B	X	-24.576	.67
8	MP3B	Z	14.189	.67
9	MP3B	Mx	-.033	.67
10	MP3B	X	-24.576	5.33
11	MP3B	Z	14.189	5.33
12	MP3B	Mx	-.033	5.33
13	MP3C	X	-31.585	.67
14	MP3C	Z	18.236	.67
15	MP3C	Mx	.021	.67
16	MP3C	X	-31.585	5.33
17	MP3C	Z	18.236	5.33
18	MP3C	Mx	.021	5.33
19	MP3A	X	-24.576	.67
20	MP3A	Z	14.189	.67
21	MP3A	Mx	.033	.67
22	MP3A	X	-24.576	5.33
23	MP3A	Z	14.189	5.33
24	MP3A	Mx	.033	5.33
25	MP3B	X	-24.576	.67
26	MP3B	Z	14.189	.67
27	MP3B	Mx	-.016	.67
28	MP3B	X	-24.576	5.33
29	MP3B	Z	14.189	5.33
30	MP3B	Mx	-.016	5.33
31	MP3C	X	-31.585	.67
32	MP3C	Z	18.236	.67
33	MP3C	Mx	-.021	.67
34	MP3C	X	-31.585	5.33
35	MP3C	Z	18.236	5.33



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
36	MP3C	Mx	-.021	5.33
37	MP4A	X	-11.103	1.04
38	MP4A	Z	6.41	1.04
39	MP4A	Mx	.011	1.04
40	MP4A	X	-11.103	2.96
41	MP4A	Z	6.41	2.96
42	MP4A	Mx	.011	2.96
43	MP4B	X	-11.103	1.04
44	MP4B	Z	6.41	1.04
45	MP4B	Mx	-.011	1.04
46	MP4B	X	-11.103	2.96
47	MP4B	Z	6.41	2.96
48	MP4B	Mx	-.011	2.96
49	MP4C	X	-19.007	1.04
50	MP4C	Z	10.974	1.04
51	MP4C	Mx	0	1.04
52	MP4C	X	-19.007	2.96
53	MP4C	Z	10.974	2.96
54	MP4C	Mx	0	2.96
55	MP4A	X	-5.775	2
56	MP4A	Z	3.334	2
57	MP4A	Mx	-.006	2
58	MP4A	X	-5.775	2
59	MP4A	Z	3.334	2
60	MP4A	Mx	-.006	2
61	MP4B	X	-5.775	2
62	MP4B	Z	3.334	2
63	MP4B	Mx	.006	2
64	MP4B	X	-5.775	2
65	MP4B	Z	3.334	2
66	MP4B	Mx	.006	2
67	MP4C	X	-8.25	2
68	MP4C	Z	4.763	2
69	MP4C	Mx	0	2
70	MP4C	X	-8.25	2
71	MP4C	Z	4.763	2
72	MP4C	Mx	0	2
73	MP5A	X	-6.456	2
74	MP5A	Z	3.728	2
75	MP5A	Mx	-.006	2
76	MP5A	X	-6.456	2
77	MP5A	Z	3.728	2
78	MP5A	Mx	-.006	2
79	MP5B	X	-6.456	2
80	MP5B	Z	3.728	2
81	MP5B	Mx	.006	2
82	MP5B	X	-6.456	2
83	MP5B	Z	3.728	2
84	MP5B	Mx	.006	2
85	MP5C	X	-8.25	2
86	MP5C	Z	4.763	2
87	MP5C	Mx	0	2
88	MP5C	X	-8.25	2
89	MP5C	Z	4.763	2
90	MP5C	Mx	0	2
91	MP2A	X	-13.924	2
92	MP2A	Z	8.039	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
93	MP2A	Mx	-.007	2
94	MP2A	X	-13.924	2
95	MP2A	Z	8.039	2
96	MP2A	Mx	-.007	2
97	MP1C	X	-24.21	.53
98	MP1C	Z	13.978	.53
99	MP1C	Mx	0	.53
100	MP1C	X	-24.21	3.47
101	MP1C	Z	13.978	3.47
102	MP1C	Mx	0	3.47
103	MP5C	X	-24.21	.53
104	MP5C	Z	13.978	.53
105	MP5C	Mx	0	.53
106	MP5C	X	-24.21	3.47
107	MP5C	Z	13.978	3.47
108	MP5C	Mx	0	3.47
109	MP1A	X	-19.1	.53
110	MP1A	Z	11.028	.53
111	MP1A	Mx	.022	.53
112	MP1A	X	-19.1	3.47
113	MP1A	Z	11.028	3.47
114	MP1A	Mx	.022	3.47
115	MP1B	X	-19.1	.53
116	MP1B	Z	11.028	.53
117	MP1B	Mx	-.022	.53
118	MP1B	X	-19.1	3.47
119	MP1B	Z	11.028	3.47
120	MP1B	Mx	-.022	3.47
121	MP5A	X	-19.1	.53
122	MP5A	Z	11.028	.53
123	MP5A	Mx	.022	.53
124	MP5A	X	-19.1	3.47
125	MP5A	Z	11.028	3.47
126	MP5A	Mx	.022	3.47
127	MP5B	X	-19.1	.53
128	MP5B	Z	11.028	.53
129	MP5B	Mx	-.022	.53
130	MP5B	X	-19.1	3.47
131	MP5B	Z	11.028	3.47
132	MP5B	Mx	-.022	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP3A	X	-25.68	.67
2	MP3A	Z	0	.67
3	MP3A	Mx	.026	.67
4	MP3A	X	-25.68	5.33
5	MP3A	Z	0	5.33
6	MP3A	Mx	.026	5.33
7	MP3B	X	-33.773	.67
8	MP3B	Z	0	.67
9	MP3B	Mx	-.034	.67
10	MP3B	X	-33.773	5.33
11	MP3B	Z	0	5.33
12	MP3B	Mx	-.034	5.33
13	MP3C	X	-33.773	.67



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
14	MP3C	Z	0	.67
15	MP3C	Mx	.000175	.67
16	MP3C	X	-33.773	5.33
17	MP3C	Z	0	5.33
18	MP3C	Mx	.000175	5.33
19	MP3A	X	-25.68	.67
20	MP3A	Z	0	.67
21	MP3A	Mx	.026	.67
22	MP3A	X	-25.68	5.33
23	MP3A	Z	0	5.33
24	MP3A	Mx	.026	5.33
25	MP3B	X	-33.773	.67
26	MP3B	Z	0	.67
27	MP3B	Mx	.000175	.67
28	MP3B	X	-33.773	5.33
29	MP3B	Z	0	5.33
30	MP3B	Mx	.000175	5.33
31	MP3C	X	-33.773	.67
32	MP3C	Z	0	.67
33	MP3C	Mx	-.034	.67
34	MP3C	X	-33.773	5.33
35	MP3C	Z	0	5.33
36	MP3C	Mx	-.034	5.33
37	MP4A	X	-9.778	1.04
38	MP4A	Z	0	1.04
39	MP4A	Mx	.01	1.04
40	MP4A	X	-9.778	2.96
41	MP4A	Z	0	2.96
42	MP4A	Mx	.01	2.96
43	MP4B	X	-18.905	1.04
44	MP4B	Z	0	1.04
45	MP4B	Mx	-.009	1.04
46	MP4B	X	-18.905	2.96
47	MP4B	Z	0	2.96
48	MP4B	Mx	-.009	2.96
49	MP4C	X	-18.905	1.04
50	MP4C	Z	0	1.04
51	MP4C	Mx	-.009	1.04
52	MP4C	X	-18.905	2.96
53	MP4C	Z	0	2.96
54	MP4C	Mx	-.009	2.96
55	MP4A	X	-5.716	2
56	MP4A	Z	0	2
57	MP4A	Mx	-.006	2
58	MP4A	X	-5.716	2
59	MP4A	Z	0	2
60	MP4A	Mx	-.006	2
61	MP4B	X	-8.573	2
62	MP4B	Z	0	2
63	MP4B	Mx	.004	2
64	MP4B	X	-8.573	2
65	MP4B	Z	0	2
66	MP4B	Mx	.004	2
67	MP4C	X	-8.573	2
68	MP4C	Z	0	2
69	MP4C	Mx	.004	2
70	MP4C	X	-8.573	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
71	MP4C	Z	0	2
72	MP4C	Mx	.004	2
73	MP5A	X	-6.765	2
74	MP5A	Z	0	2
75	MP5A	Mx	-.007	2
76	MP5A	X	-6.765	2
77	MP5A	Z	0	2
78	MP5A	Mx	-.007	2
79	MP5B	X	-8.836	2
80	MP5B	Z	0	2
81	MP5B	Mx	.004	2
82	MP5B	X	-8.836	2
83	MP5B	Z	0	2
84	MP5B	Mx	.004	2
85	MP5C	X	-8.836	2
86	MP5C	Z	0	2
87	MP5C	Mx	.004	2
88	MP5C	X	-8.836	2
89	MP5C	Z	0	2
90	MP5C	Mx	.004	2
91	MP2A	X	-15.082	2
92	MP2A	Z	0	2
93	MP2A	Mx	-.008	2
94	MP2A	X	-15.082	2
95	MP2A	Z	0	2
96	MP2A	Mx	-.008	2
97	MP1C	X	-27.184	.53
98	MP1C	Z	0	.53
99	MP1C	Mx	-.016	.53
100	MP1C	X	-27.184	3.47
101	MP1C	Z	0	3.47
102	MP1C	Mx	-.016	3.47
103	MP5C	X	-27.184	.53
104	MP5C	Z	0	.53
105	MP5C	Mx	-.016	.53
106	MP5C	X	-27.184	3.47
107	MP5C	Z	0	3.47
108	MP5C	Mx	-.016	3.47
109	MP1A	X	-24.905	.53
110	MP1A	Z	0	.53
111	MP1A	Mx	.029	.53
112	MP1A	X	-24.905	3.47
113	MP1A	Z	0	3.47
114	MP1A	Mx	.029	3.47
115	MP1B	X	-16.354	.53
116	MP1B	Z	0	.53
117	MP1B	Mx	-.01	.53
118	MP1B	X	-16.354	3.47
119	MP1B	Z	0	3.47
120	MP1B	Mx	-.01	3.47
121	MP5A	X	-24.905	.53
122	MP5A	Z	0	.53
123	MP5A	Mx	.029	.53
124	MP5A	X	-24.905	3.47
125	MP5A	Z	0	3.47
126	MP5A	Mx	.029	3.47
127	MP5B	X	-16.354	.53



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
128	MP5B	Z	0	.53
129	MP5B	Mx	-.01	.53
130	MP5B	X	-16.354	3.47
131	MP5B	Z	0	3.47
132	MP5B	Mx	-.01	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP3A	X	-24.576	.67
2	MP3A	Z	-14.189	.67
3	MP3A	Mx	.033	.67
4	MP3A	X	-24.576	5.33
5	MP3A	Z	-14.189	5.33
6	MP3A	Mx	.033	5.33
7	MP3B	X	-31.585	.67
8	MP3B	Z	-18.236	.67
9	MP3B	Mx	-.021	.67
10	MP3B	X	-31.585	5.33
11	MP3B	Z	-18.236	5.33
12	MP3B	Mx	-.021	5.33
13	MP3C	X	-24.576	.67
14	MP3C	Z	-14.189	.67
15	MP3C	Mx	-.016	.67
16	MP3C	X	-24.576	5.33
17	MP3C	Z	-14.189	5.33
18	MP3C	Mx	-.016	5.33
19	MP3A	X	-24.576	.67
20	MP3A	Z	-14.189	.67
21	MP3A	Mx	.016	.67
22	MP3A	X	-24.576	5.33
23	MP3A	Z	-14.189	5.33
24	MP3A	Mx	.016	5.33
25	MP3B	X	-31.585	.67
26	MP3B	Z	-18.236	.67
27	MP3B	Mx	.021	.67
28	MP3B	X	-31.585	5.33
29	MP3B	Z	-18.236	5.33
30	MP3B	Mx	.021	5.33
31	MP3C	X	-24.576	.67
32	MP3C	Z	-14.189	.67
33	MP3C	Mx	-.033	.67
34	MP3C	X	-24.576	5.33
35	MP3C	Z	-14.189	5.33
36	MP3C	Mx	-.033	5.33
37	MP4A	X	-11.103	1.04
38	MP4A	Z	-6.41	1.04
39	MP4A	Mx	.011	1.04
40	MP4A	X	-11.103	2.96
41	MP4A	Z	-6.41	2.96
42	MP4A	Mx	.011	2.96
43	MP4B	X	-19.007	1.04
44	MP4B	Z	-10.974	1.04
45	MP4B	Mx	0	1.04
46	MP4B	X	-19.007	2.96
47	MP4B	Z	-10.974	2.96
48	MP4B	Mx	0	2.96



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]	
49	MP4C	X	-11.103	1.04
50	MP4C	Z	-6.41	1.04
51	MP4C	Mx	-.011	1.04
52	MP4C	X	-11.103	2.96
53	MP4C	Z	-6.41	2.96
54	MP4C	Mx	-.011	2.96
55	MP4A	X	-5.775	2
56	MP4A	Z	-3.334	2
57	MP4A	Mx	-.006	2
58	MP4A	X	-5.775	2
59	MP4A	Z	-3.334	2
60	MP4A	Mx	-.006	2
61	MP4B	X	-8.25	2
62	MP4B	Z	-4.763	2
63	MP4B	Mx	0	2
64	MP4B	X	-8.25	2
65	MP4B	Z	-4.763	2
66	MP4B	Mx	0	2
67	MP4C	X	-5.775	2
68	MP4C	Z	-3.334	2
69	MP4C	Mx	.006	2
70	MP4C	X	-5.775	2
71	MP4C	Z	-3.334	2
72	MP4C	Mx	.006	2
73	MP5A	X	-6.456	2
74	MP5A	Z	-3.728	2
75	MP5A	Mx	-.006	2
76	MP5A	X	-6.456	2
77	MP5A	Z	-3.728	2
78	MP5A	Mx	-.006	2
79	MP5B	X	-8.25	2
80	MP5B	Z	-4.763	2
81	MP5B	Mx	0	2
82	MP5B	X	-8.25	2
83	MP5B	Z	-4.763	2
84	MP5B	Mx	0	2
85	MP5C	X	-6.456	2
86	MP5C	Z	-3.728	2
87	MP5C	Mx	.006	2
88	MP5C	X	-6.456	2
89	MP5C	Z	-3.728	2
90	MP5C	Mx	.006	2
91	MP2A	X	-13.924	2
92	MP2A	Z	-8.039	2
93	MP2A	Mx	-.007	2
94	MP2A	X	-13.924	2
95	MP2A	Z	-8.039	2
96	MP2A	Mx	-.007	2
97	MP1C	X	-22.206	.53
98	MP1C	Z	-12.82	.53
99	MP1C	Mx	-.026	.53
100	MP1C	X	-22.206	3.47
101	MP1C	Z	-12.82	3.47
102	MP1C	Mx	-.026	3.47
103	MP5C	X	-22.206	.53
104	MP5C	Z	-12.82	.53
105	MP5C	Mx	-.026	.53



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
106	MP5C	X	-22.206	3.47
107	MP5C	Z	-12.82	3.47
108	MP5C	Mx	-.026	3.47
109	MP1A	X	-19.1	.53
110	MP1A	Z	-11.028	.53
111	MP1A	Mx	.022	.53
112	MP1A	X	-19.1	3.47
113	MP1A	Z	-11.028	3.47
114	MP1A	Mx	.022	3.47
115	MP1B	X	-11.695	.53
116	MP1B	Z	-6.752	.53
117	MP1B	Mx	0	.53
118	MP1B	X	-11.695	3.47
119	MP1B	Z	-6.752	3.47
120	MP1B	Mx	0	3.47
121	MP5A	X	-19.1	.53
122	MP5A	Z	-11.028	.53
123	MP5A	Mx	.022	.53
124	MP5A	X	-19.1	3.47
125	MP5A	Z	-11.028	3.47
126	MP5A	Mx	.022	3.47
127	MP5B	X	-11.695	.53
128	MP5B	Z	-6.752	.53
129	MP5B	Mx	0	.53
130	MP5B	X	-11.695	3.47
131	MP5B	Z	-6.752	3.47
132	MP5B	Mx	0	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-16.887	.67
2	MP3A	Z	-29.249	.67
3	MP3A	Mx	.034	.67
4	MP3A	X	-16.887	5.33
5	MP3A	Z	-29.249	5.33
6	MP3A	Mx	.034	5.33
7	MP3B	X	-16.887	.67
8	MP3B	Z	-29.249	.67
9	MP3B	Mx	-.000175	.67
10	MP3B	X	-16.887	5.33
11	MP3B	Z	-29.249	5.33
12	MP3B	Mx	-.000175	5.33
13	MP3C	X	-12.84	.67
14	MP3C	Z	-22.239	.67
15	MP3C	Mx	-.026	.67
16	MP3C	X	-12.84	5.33
17	MP3C	Z	-22.239	5.33
18	MP3C	Mx	-.026	5.33
19	MP3A	X	-16.887	.67
20	MP3A	Z	-29.249	.67
21	MP3A	Mx	-.000175	.67
22	MP3A	X	-16.887	5.33
23	MP3A	Z	-29.249	5.33
24	MP3A	Mx	-.000175	5.33
25	MP3B	X	-16.887	.67
26	MP3B	Z	-29.249	.67



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
27	MP3B	Mx	.034	.67
28	MP3B	X	-16.887	5.33
29	MP3B	Z	-29.249	5.33
30	MP3B	Mx	.034	5.33
31	MP3C	X	-12.84	.67
32	MP3C	Z	-22.239	.67
33	MP3C	Mx	-.026	.67
34	MP3C	X	-12.84	5.33
35	MP3C	Z	-22.239	5.33
36	MP3C	Mx	-.026	5.33
37	MP4A	X	-9.453	1.04
38	MP4A	Z	-16.373	1.04
39	MP4A	Mx	.009	1.04
40	MP4A	X	-9.453	2.96
41	MP4A	Z	-16.373	2.96
42	MP4A	Mx	.009	2.96
43	MP4B	X	-9.453	1.04
44	MP4B	Z	-16.373	1.04
45	MP4B	Mx	.009	1.04
46	MP4B	X	-9.453	2.96
47	MP4B	Z	-16.373	2.96
48	MP4B	Mx	.009	2.96
49	MP4C	X	-4.889	1.04
50	MP4C	Z	-8.468	1.04
51	MP4C	Mx	-.01	1.04
52	MP4C	X	-4.889	2.96
53	MP4C	Z	-8.468	2.96
54	MP4C	Mx	-.01	2.96
55	MP4A	X	-4.287	2
56	MP4A	Z	-7.425	2
57	MP4A	Mx	-.004	2
58	MP4A	X	-4.287	2
59	MP4A	Z	-7.425	2
60	MP4A	Mx	-.004	2
61	MP4B	X	-4.287	2
62	MP4B	Z	-7.425	2
63	MP4B	Mx	-.004	2
64	MP4B	X	-4.287	2
65	MP4B	Z	-7.425	2
66	MP4B	Mx	-.004	2
67	MP4C	X	-2.858	2
68	MP4C	Z	-4.95	2
69	MP4C	Mx	.006	2
70	MP4C	X	-2.858	2
71	MP4C	Z	-4.95	2
72	MP4C	Mx	.006	2
73	MP5A	X	-4.418	2
74	MP5A	Z	-7.652	2
75	MP5A	Mx	-.004	2
76	MP5A	X	-4.418	2
77	MP5A	Z	-7.652	2
78	MP5A	Mx	-.004	2
79	MP5B	X	-4.418	2
80	MP5B	Z	-7.652	2
81	MP5B	Mx	-.004	2
82	MP5B	X	-4.418	2
83	MP5B	Z	-7.652	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
84	MP5B	Mx	-.004	2
85	MP5C	X	-3.382	2
86	MP5C	Z	-5.859	2
87	MP5C	Mx	.007	2
88	MP5C	X	-3.382	2
89	MP5C	Z	-5.859	2
90	MP5C	Mx	.007	2
91	MP2A	X	-9.034	2
92	MP2A	Z	-15.648	2
93	MP2A	Mx	-.005	2
94	MP2A	X	-9.034	2
95	MP2A	Z	-15.648	2
96	MP2A	Mx	-.005	2
97	MP1C	X	-12.435	.53
98	MP1C	Z	-21.538	.53
99	MP1C	Mx	-.029	.53
100	MP1C	X	-12.435	3.47
101	MP1C	Z	-21.538	3.47
102	MP1C	Mx	-.029	3.47
103	MP5C	X	-12.435	.53
104	MP5C	Z	-21.538	.53
105	MP5C	Mx	-.029	.53
106	MP5C	X	-12.435	3.47
107	MP5C	Z	-21.538	3.47
108	MP5C	Mx	-.029	3.47
109	MP1A	X	-8.177	.53
110	MP1A	Z	-14.163	.53
111	MP1A	Mx	.01	.53
112	MP1A	X	-8.177	3.47
113	MP1A	Z	-14.163	3.47
114	MP1A	Mx	.01	3.47
115	MP1B	X	-8.177	.53
116	MP1B	Z	-14.163	.53
117	MP1B	Mx	.01	.53
118	MP1B	X	-8.177	3.47
119	MP1B	Z	-14.163	3.47
120	MP1B	Mx	.01	3.47
121	MP5A	X	-8.177	.53
122	MP5A	Z	-14.163	.53
123	MP5A	Mx	.01	.53
124	MP5A	X	-8.177	3.47
125	MP5A	Z	-14.163	3.47
126	MP5A	Mx	.01	3.47
127	MP5B	X	-8.177	.53
128	MP5B	Z	-14.163	.53
129	MP5B	Mx	.01	.53
130	MP5B	X	-8.177	3.47
131	MP5B	Z	-14.163	3.47
132	MP5B	Mx	.01	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	.67
2	MP3A	Z	-11.291	.67
3	MP3A	Mx	.007	.67
4	MP3A	X	0	5.33



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
5	MP3A	Z	-11.291	5.33
6	MP3A	Mx	.007	5.33
7	MP3B	X	0	.67
8	MP3B	Z	-8.421	.67
9	MP3B	Mx	.005	.67
10	MP3B	X	0	5.33
11	MP3B	Z	-8.421	5.33
12	MP3B	Mx	.005	5.33
13	MP3C	X	0	.67
14	MP3C	Z	-8.421	.67
15	MP3C	Mx	-.01	.67
16	MP3C	X	0	5.33
17	MP3C	Z	-8.421	5.33
18	MP3C	Mx	-.01	5.33
19	MP3A	X	0	.67
20	MP3A	Z	-11.291	.67
21	MP3A	Mx	-.007	.67
22	MP3A	X	0	5.33
23	MP3A	Z	-11.291	5.33
24	MP3A	Mx	-.007	5.33
25	MP3B	X	0	.67
26	MP3B	Z	-8.421	.67
27	MP3B	Mx	.01	.67
28	MP3B	X	0	5.33
29	MP3B	Z	-8.421	5.33
30	MP3B	Mx	.01	5.33
31	MP3C	X	0	.67
32	MP3C	Z	-8.421	.67
33	MP3C	Mx	-.005	.67
34	MP3C	X	0	5.33
35	MP3C	Z	-8.421	5.33
36	MP3C	Mx	-.005	5.33
37	MP4A	X	0	1.04
38	MP4A	Z	-6.568	1.04
39	MP4A	Mx	0	1.04
40	MP4A	X	0	2.96
41	MP4A	Z	-6.568	2.96
42	MP4A	Mx	0	2.96
43	MP4B	X	0	1.04
44	MP4B	Z	-3.57	1.04
45	MP4B	Mx	.003	1.04
46	MP4B	X	0	2.96
47	MP4B	Z	-3.57	2.96
48	MP4B	Mx	.003	2.96
49	MP4C	X	0	1.04
50	MP4C	Z	-3.57	1.04
51	MP4C	Mx	-.003	1.04
52	MP4C	X	0	2.96
53	MP4C	Z	-3.57	2.96
54	MP4C	Mx	-.003	2.96
55	MP4A	X	0	2
56	MP4A	Z	-2.613	2
57	MP4A	Mx	0	2
58	MP4A	X	0	2
59	MP4A	Z	-2.613	2
60	MP4A	Mx	0	2
61	MP4B	X	0	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
62	MP4B	Z	-1.714	2
63	MP4B	Mx	-.001	2
64	MP4B	X	0	2
65	MP4B	Z	-1.714	2
66	MP4B	Mx	-.001	2
67	MP4C	X	0	2
68	MP4C	Z	-1.714	2
69	MP4C	Mx	.001	2
70	MP4C	X	0	2
71	MP4C	Z	-1.714	2
72	MP4C	Mx	.001	2
73	MP5A	X	0	2
74	MP5A	Z	-2.613	2
75	MP5A	Mx	0	2
76	MP5A	X	0	2
77	MP5A	Z	-2.613	2
78	MP5A	Mx	0	2
79	MP5B	X	0	2
80	MP5B	Z	-1.963	2
81	MP5B	Mx	-.002	2
82	MP5B	X	0	2
83	MP5B	Z	-1.963	2
84	MP5B	Mx	-.002	2
85	MP5C	X	0	2
86	MP5C	Z	-1.963	2
87	MP5C	Mx	.002	2
88	MP5C	X	0	2
89	MP5C	Z	-1.963	2
90	MP5C	Mx	.002	2
91	MP2A	X	0	2
92	MP2A	Z	-5.673	2
93	MP2A	Mx	0	2
94	MP2A	X	0	2
95	MP2A	Z	-5.673	2
96	MP2A	Mx	0	2
97	MP1C	X	0	.53
98	MP1C	Z	-7.796	.53
99	MP1C	Mx	-.008	.53
100	MP1C	X	0	3.47
101	MP1C	Z	-7.796	3.47
102	MP1C	Mx	-.008	3.47
103	MP5C	X	0	.53
104	MP5C	Z	-7.796	.53
105	MP5C	Mx	-.008	.53
106	MP5C	X	0	3.47
107	MP5C	Z	-7.796	3.47
108	MP5C	Mx	-.008	3.47
109	MP1A	X	0	.53
110	MP1A	Z	-3.647	.53
111	MP1A	Mx	0	.53
112	MP1A	X	0	3.47
113	MP1A	Z	-3.647	3.47
114	MP1A	Mx	0	3.47
115	MP1B	X	0	.53
116	MP1B	Z	-6.57	.53
117	MP1B	Mx	.007	.53
118	MP1B	X	0	3.47



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
119	MP1B	Z	-6.57	3.47
120	MP1B	Mx	.007	3.47
121	MP5A	X	0	.53
122	MP5A	Z	-3.647	.53
123	MP5A	Mx	0	.53
124	MP5A	X	0	3.47
125	MP5A	Z	-3.647	3.47
126	MP5A	Mx	0	3.47
127	MP5B	X	0	.53
128	MP5B	Z	-6.57	.53
129	MP5B	Mx	.007	.53
130	MP5B	X	0	3.47
131	MP5B	Z	-6.57	3.47
132	MP5B	Mx	.007	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	5.167	.67
2	MP3A	Z	-8.95	.67
3	MP3A	Mx	5.4e-5	.67
4	MP3A	X	5.167	5.33
5	MP3A	Z	-8.95	5.33
6	MP3A	Mx	5.4e-5	5.33
7	MP3B	X	3.732	.67
8	MP3B	Z	-6.464	.67
9	MP3B	Mx	.007	.67
10	MP3B	X	3.732	5.33
11	MP3B	Z	-6.464	5.33
12	MP3B	Mx	.007	5.33
13	MP3C	X	5.167	.67
14	MP3C	Z	-8.95	.67
15	MP3C	Mx	-.01	.67
16	MP3C	X	5.167	5.33
17	MP3C	Z	-8.95	5.33
18	MP3C	Mx	-.01	5.33
19	MP3A	X	5.167	.67
20	MP3A	Z	-8.95	.67
21	MP3A	Mx	-.01	.67
22	MP3A	X	5.167	5.33
23	MP3A	Z	-8.95	5.33
24	MP3A	Mx	-.01	5.33
25	MP3B	X	3.732	.67
26	MP3B	Z	-6.464	.67
27	MP3B	Mx	.007	.67
28	MP3B	X	3.732	5.33
29	MP3B	Z	-6.464	5.33
30	MP3B	Mx	.007	5.33
31	MP3C	X	5.167	.67
32	MP3C	Z	-8.95	.67
33	MP3C	Mx	5.3e-5	.67
34	MP3C	X	5.167	5.33
35	MP3C	Z	-8.95	5.33
36	MP3C	Mx	5.3e-5	5.33
37	MP4A	X	2.784	1.04
38	MP4A	Z	-4.823	1.04
39	MP4A	Mx	-.003	1.04



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
40	MP4A	X	2.784	2.96
41	MP4A	Z	-4.823	2.96
42	MP4A	Mx	-.003	2.96
43	MP4B	X	1.286	1.04
44	MP4B	Z	-2.227	1.04
45	MP4B	Mx	.003	1.04
46	MP4B	X	1.286	2.96
47	MP4B	Z	-2.227	2.96
48	MP4B	Mx	.003	2.96
49	MP4C	X	2.784	1.04
50	MP4C	Z	-4.823	1.04
51	MP4C	Mx	-.003	1.04
52	MP4C	X	2.784	2.96
53	MP4C	Z	-4.823	2.96
54	MP4C	Mx	-.003	2.96
55	MP4A	X	1.157	2
56	MP4A	Z	-2.004	2
57	MP4A	Mx	.001	2
58	MP4A	X	1.157	2
59	MP4A	Z	-2.004	2
60	MP4A	Mx	.001	2
61	MP4B	X	.707	2
62	MP4B	Z	-1.225	2
63	MP4B	Mx	-.001	2
64	MP4B	X	.707	2
65	MP4B	Z	-1.225	2
66	MP4B	Mx	-.001	2
67	MP4C	X	1.157	2
68	MP4C	Z	-2.004	2
69	MP4C	Mx	.001	2
70	MP4C	X	1.157	2
71	MP4C	Z	-2.004	2
72	MP4C	Mx	.001	2
73	MP5A	X	1.198	2
74	MP5A	Z	-2.075	2
75	MP5A	Mx	.001	2
76	MP5A	X	1.198	2
77	MP5A	Z	-2.075	2
78	MP5A	Mx	.001	2
79	MP5B	X	.873	2
80	MP5B	Z	-1.513	2
81	MP5B	Mx	-.002	2
82	MP5B	X	.873	2
83	MP5B	Z	-1.513	2
84	MP5B	Mx	-.002	2
85	MP5C	X	1.198	2
86	MP5C	Z	-2.075	2
87	MP5C	Mx	.001	2
88	MP5C	X	1.198	2
89	MP5C	Z	-2.075	2
90	MP5C	Mx	.001	2
91	MP2A	X	2.669	2
92	MP2A	Z	-4.622	2
93	MP2A	Mx	.001	2
94	MP2A	X	2.669	2
95	MP2A	Z	-4.622	2
96	MP2A	Mx	.001	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
97	MP1C	X	4.164	.53
98	MP1C	Z	-7.212	.53
99	MP1C	Mx	-.005	.53
100	MP1C	X	4.164	3.47
101	MP1C	Z	-7.212	3.47
102	MP1C	Mx	-.005	3.47
103	MP5C	X	4.164	.53
104	MP5C	Z	-7.212	.53
105	MP5C	Mx	-.005	.53
106	MP5C	X	4.164	3.47
107	MP5C	Z	-7.212	3.47
108	MP5C	Mx	-.005	3.47
109	MP1A	X	2.311	.53
110	MP1A	Z	-4.002	.53
111	MP1A	Mx	-.003	.53
112	MP1A	X	2.311	3.47
113	MP1A	Z	-4.002	3.47
114	MP1A	Mx	-.003	3.47
115	MP1B	X	3.772	.53
116	MP1B	Z	-6.534	.53
117	MP1B	Mx	.009	.53
118	MP1B	X	3.772	3.47
119	MP1B	Z	-6.534	3.47
120	MP1B	Mx	.009	3.47
121	MP5A	X	2.311	.53
122	MP5A	Z	-4.002	.53
123	MP5A	Mx	-.003	.53
124	MP5A	X	2.311	3.47
125	MP5A	Z	-4.002	3.47
126	MP5A	Mx	-.003	3.47
127	MP5B	X	3.772	.53
128	MP5B	Z	-6.534	.53
129	MP5B	Mx	.009	.53
130	MP5B	X	3.772	3.47
131	MP5B	Z	-6.534	3.47
132	MP5B	Mx	.009	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	7.293	.67
2	MP3A	Z	-4.21	.67
3	MP3A	Mx	-.005	.67
4	MP3A	X	7.293	5.33
5	MP3A	Z	-4.21	5.33
6	MP3A	Mx	-.005	5.33
7	MP3B	X	7.293	.67
8	MP3B	Z	-4.21	.67
9	MP3B	Mx	.01	.67
10	MP3B	X	7.293	5.33
11	MP3B	Z	-4.21	5.33
12	MP3B	Mx	.01	5.33
13	MP3C	X	9.778	.67
14	MP3C	Z	-5.645	.67
15	MP3C	Mx	-.007	.67
16	MP3C	X	9.778	5.33
17	MP3C	Z	-5.645	5.33



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
18	MP3C	Mx	-0.07	5.33
19	MP3A	X	7.293	.67
20	MP3A	Z	-4.21	.67
21	MP3A	Mx	-.01	.67
22	MP3A	X	7.293	5.33
23	MP3A	Z	-4.21	5.33
24	MP3A	Mx	-.01	5.33
25	MP3B	X	7.293	.67
26	MP3B	Z	-4.21	.67
27	MP3B	Mx	.005	.67
28	MP3B	X	7.293	5.33
29	MP3B	Z	-4.21	5.33
30	MP3B	Mx	.005	5.33
31	MP3C	X	9.778	.67
32	MP3C	Z	-5.645	.67
33	MP3C	Mx	.007	.67
34	MP3C	X	9.778	5.33
35	MP3C	Z	-5.645	5.33
36	MP3C	Mx	.007	5.33
37	MP4A	X	3.092	1.04
38	MP4A	Z	-1.785	1.04
39	MP4A	Mx	-.003	1.04
40	MP4A	X	3.092	2.96
41	MP4A	Z	-1.785	2.96
42	MP4A	Mx	-.003	2.96
43	MP4B	X	3.092	1.04
44	MP4B	Z	-1.785	1.04
45	MP4B	Mx	.003	1.04
46	MP4B	X	3.092	2.96
47	MP4B	Z	-1.785	2.96
48	MP4B	Mx	.003	2.96
49	MP4C	X	5.688	1.04
50	MP4C	Z	-3.284	1.04
51	MP4C	Mx	0	1.04
52	MP4C	X	5.688	2.96
53	MP4C	Z	-3.284	2.96
54	MP4C	Mx	0	2.96
55	MP4A	X	1.485	2
56	MP4A	Z	-.857	2
57	MP4A	Mx	.001	2
58	MP4A	X	1.485	2
59	MP4A	Z	-.857	2
60	MP4A	Mx	.001	2
61	MP4B	X	1.485	2
62	MP4B	Z	-.857	2
63	MP4B	Mx	-.001	2
64	MP4B	X	1.485	2
65	MP4B	Z	-.857	2
66	MP4B	Mx	-.001	2
67	MP4C	X	2.263	2
68	MP4C	Z	-1.307	2
69	MP4C	Mx	0	2
70	MP4C	X	2.263	2
71	MP4C	Z	-1.307	2
72	MP4C	Mx	0	2
73	MP5A	X	1.7	2
74	MP5A	Z	-.982	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]	
75	MP5A	Mx	.002	2
76	MP5A	X	1.7	2
77	MP5A	Z	-.982	2
78	MP5A	Mx	.002	2
79	MP5B	X	1.7	2
80	MP5B	Z	-.982	2
81	MP5B	Mx	-.002	2
82	MP5B	X	1.7	2
83	MP5B	Z	-.982	2
84	MP5B	Mx	-.002	2
85	MP5C	X	2.263	2
86	MP5C	Z	-1.307	2
87	MP5C	Mx	0	2
88	MP5C	X	2.263	2
89	MP5C	Z	-1.307	2
90	MP5C	Mx	0	2
91	MP2A	X	4.04	2
92	MP2A	Z	-2.332	2
93	MP2A	Mx	.002	2
94	MP2A	X	4.04	2
95	MP2A	Z	-2.332	2
96	MP2A	Mx	.002	2
97	MP1C	X	7.443	.53
98	MP1C	Z	-4.297	.53
99	MP1C	Mx	0	.53
100	MP1C	X	7.443	3.47
101	MP1C	Z	-4.297	3.47
102	MP1C	Mx	0	3.47
103	MP5C	X	7.443	.53
104	MP5C	Z	-4.297	.53
105	MP5C	Mx	0	.53
106	MP5C	X	7.443	3.47
107	MP5C	Z	-4.297	3.47
108	MP5C	Mx	0	3.47
109	MP1A	X	5.69	.53
110	MP1A	Z	-3.285	.53
111	MP1A	Mx	-.007	.53
112	MP1A	X	5.69	3.47
113	MP1A	Z	-3.285	3.47
114	MP1A	Mx	-.007	3.47
115	MP1B	X	5.69	.53
116	MP1B	Z	-3.285	.53
117	MP1B	Mx	.007	.53
118	MP1B	X	5.69	3.47
119	MP1B	Z	-3.285	3.47
120	MP1B	Mx	.007	3.47
121	MP5A	X	5.69	.53
122	MP5A	Z	-3.285	.53
123	MP5A	Mx	-.007	.53
124	MP5A	X	5.69	3.47
125	MP5A	Z	-3.285	3.47
126	MP5A	Mx	-.007	3.47
127	MP5B	X	5.69	.53
128	MP5B	Z	-3.285	.53
129	MP5B	Mx	.007	.53
130	MP5B	X	5.69	3.47
131	MP5B	Z	-3.285	3.47



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
132	MP5B	Mx	.007	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	7.464	.67
2	MP3A	Z	0	.67
3	MP3A	Mx	-.007	.67
4	MP3A	X	7.464	5.33
5	MP3A	Z	0	5.33
6	MP3A	Mx	-.007	5.33
7	MP3B	X	10.334	.67
8	MP3B	Z	0	.67
9	MP3B	Mx	.01	.67
10	MP3B	X	10.334	5.33
11	MP3B	Z	0	5.33
12	MP3B	Mx	.01	5.33
13	MP3C	X	10.334	.67
14	MP3C	Z	0	.67
15	MP3C	Mx	-5.4e-5	.67
16	MP3C	X	10.334	5.33
17	MP3C	Z	0	5.33
18	MP3C	Mx	-5.4e-5	5.33
19	MP3A	X	7.464	.67
20	MP3A	Z	0	.67
21	MP3A	Mx	-.007	.67
22	MP3A	X	7.464	5.33
23	MP3A	Z	0	5.33
24	MP3A	Mx	-.007	5.33
25	MP3B	X	10.334	.67
26	MP3B	Z	0	.67
27	MP3B	Mx	-5.4e-5	.67
28	MP3B	X	10.334	5.33
29	MP3B	Z	0	5.33
30	MP3B	Mx	-5.4e-5	5.33
31	MP3C	X	10.334	.67
32	MP3C	Z	0	.67
33	MP3C	Mx	.01	.67
34	MP3C	X	10.334	5.33
35	MP3C	Z	0	5.33
36	MP3C	Mx	.01	5.33
37	MP4A	X	2.571	1.04
38	MP4A	Z	0	1.04
39	MP4A	Mx	-.003	1.04
40	MP4A	X	2.571	2.96
41	MP4A	Z	0	2.96
42	MP4A	Mx	-.003	2.96
43	MP4B	X	5.569	1.04
44	MP4B	Z	0	1.04
45	MP4B	Mx	.003	1.04
46	MP4B	X	5.569	2.96
47	MP4B	Z	0	2.96
48	MP4B	Mx	.003	2.96
49	MP4C	X	5.569	1.04
50	MP4C	Z	0	1.04
51	MP4C	Mx	.003	1.04
52	MP4C	X	5.569	2.96



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]	
53	MP4C	Z	0	2.96
54	MP4C	Mx	.003	2.96
55	MP4A	X	1.415	2
56	MP4A	Z	0	2
57	MP4A	Mx	.001	2
58	MP4A	X	1.415	2
59	MP4A	Z	0	2
60	MP4A	Mx	.001	2
61	MP4B	X	2.314	2
62	MP4B	Z	0	2
63	MP4B	Mx	-.001	2
64	MP4B	X	2.314	2
65	MP4B	Z	0	2
66	MP4B	Mx	-.001	2
67	MP4C	X	2.314	2
68	MP4C	Z	0	2
69	MP4C	Mx	-.001	2
70	MP4C	X	2.314	2
71	MP4C	Z	0	2
72	MP4C	Mx	-.001	2
73	MP5A	X	1.747	2
74	MP5A	Z	0	2
75	MP5A	Mx	.002	2
76	MP5A	X	1.747	2
77	MP5A	Z	0	2
78	MP5A	Mx	.002	2
79	MP5B	X	2.397	2
80	MP5B	Z	0	2
81	MP5B	Mx	-.001	2
82	MP5B	X	2.397	2
83	MP5B	Z	0	2
84	MP5B	Mx	-.001	2
85	MP5C	X	2.397	2
86	MP5C	Z	0	2
87	MP5C	Mx	-.001	2
88	MP5C	X	2.397	2
89	MP5C	Z	0	2
90	MP5C	Mx	-.001	2
91	MP2A	X	4.328	2
92	MP2A	Z	0	2
93	MP2A	Mx	.002	2
94	MP2A	X	4.328	2
95	MP2A	Z	0	2
96	MP2A	Mx	.002	2
97	MP1C	X	8.328	.53
98	MP1C	Z	0	.53
99	MP1C	Mx	.005	.53
100	MP1C	X	8.328	3.47
101	MP1C	Z	0	3.47
102	MP1C	Mx	.005	3.47
103	MP5C	X	8.328	.53
104	MP5C	Z	0	.53
105	MP5C	Mx	.005	.53
106	MP5C	X	8.328	3.47
107	MP5C	Z	0	3.47
108	MP5C	Mx	.005	3.47
109	MP1A	X	7.544	.53



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
110	MP1A	Z	0	.53
111	MP1A	Mx	-.009	.53
112	MP1A	X	7.544	3.47
113	MP1A	Z	0	3.47
114	MP1A	Mx	-.009	3.47
115	MP1B	X	4.621	.53
116	MP1B	Z	0	.53
117	MP1B	Mx	.003	.53
118	MP1B	X	4.621	3.47
119	MP1B	Z	0	3.47
120	MP1B	Mx	.003	3.47
121	MP5A	X	7.544	.53
122	MP5A	Z	0	.53
123	MP5A	Mx	-.009	.53
124	MP5A	X	7.544	3.47
125	MP5A	Z	0	3.47
126	MP5A	Mx	-.009	3.47
127	MP5B	X	4.621	.53
128	MP5B	Z	0	.53
129	MP5B	Mx	.003	.53
130	MP5B	X	4.621	3.47
131	MP5B	Z	0	3.47
132	MP5B	Mx	.003	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	7.293	.67
2	MP3A	Z	4.21	.67
3	MP3A	Mx	-.01	.67
4	MP3A	X	7.293	5.33
5	MP3A	Z	4.21	5.33
6	MP3A	Mx	-.01	5.33
7	MP3B	X	9.778	.67
8	MP3B	Z	5.645	.67
9	MP3B	Mx	.007	.67
10	MP3B	X	9.778	5.33
11	MP3B	Z	5.645	5.33
12	MP3B	Mx	.007	5.33
13	MP3C	X	7.293	.67
14	MP3C	Z	4.21	.67
15	MP3C	Mx	.005	.67
16	MP3C	X	7.293	5.33
17	MP3C	Z	4.21	5.33
18	MP3C	Mx	.005	5.33
19	MP3A	X	7.293	.67
20	MP3A	Z	4.21	.67
21	MP3A	Mx	-.005	.67
22	MP3A	X	7.293	5.33
23	MP3A	Z	4.21	5.33
24	MP3A	Mx	-.005	5.33
25	MP3B	X	9.778	.67
26	MP3B	Z	5.645	.67
27	MP3B	Mx	-.007	.67
28	MP3B	X	9.778	5.33
29	MP3B	Z	5.645	5.33
30	MP3B	Mx	-.007	5.33



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
31	MP3C	X	7.293 .67
32	MP3C	Z	4.21 .67
33	MP3C	Mx	.01 .67
34	MP3C	X	7.293 5.33
35	MP3C	Z	4.21 5.33
36	MP3C	Mx	.01 5.33
37	MP4A	X	3.092 1.04
38	MP4A	Z	1.785 1.04
39	MP4A	Mx	-.003 1.04
40	MP4A	X	3.092 2.96
41	MP4A	Z	1.785 2.96
42	MP4A	Mx	-.003 2.96
43	MP4B	X	5.688 1.04
44	MP4B	Z	3.284 1.04
45	MP4B	Mx	0 1.04
46	MP4B	X	5.688 2.96
47	MP4B	Z	3.284 2.96
48	MP4B	Mx	0 2.96
49	MP4C	X	3.092 1.04
50	MP4C	Z	1.785 1.04
51	MP4C	Mx	.003 1.04
52	MP4C	X	3.092 2.96
53	MP4C	Z	1.785 2.96
54	MP4C	Mx	.003 2.96
55	MP4A	X	1.485 2
56	MP4A	Z	.857 2
57	MP4A	Mx	.001 2
58	MP4A	X	1.485 2
59	MP4A	Z	.857 2
60	MP4A	Mx	.001 2
61	MP4B	X	2.263 2
62	MP4B	Z	1.307 2
63	MP4B	Mx	0 2
64	MP4B	X	2.263 2
65	MP4B	Z	1.307 2
66	MP4B	Mx	0 2
67	MP4C	X	1.485 2
68	MP4C	Z	.857 2
69	MP4C	Mx	-.001 2
70	MP4C	X	1.485 2
71	MP4C	Z	.857 2
72	MP4C	Mx	-.001 2
73	MP5A	X	1.7 2
74	MP5A	Z	.982 2
75	MP5A	Mx	.002 2
76	MP5A	X	1.7 2
77	MP5A	Z	.982 2
78	MP5A	Mx	.002 2
79	MP5B	X	2.263 2
80	MP5B	Z	1.307 2
81	MP5B	Mx	0 2
82	MP5B	X	2.263 2
83	MP5B	Z	1.307 2
84	MP5B	Mx	0 2
85	MP5C	X	1.7 2
86	MP5C	Z	.982 2
87	MP5C	Mx	-.002 2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
88	MP5C	X	1.7	2
89	MP5C	Z	.982	2
90	MP5C	Mx	-.002	2
91	MP2A	X	4.04	2
92	MP2A	Z	2.332	2
93	MP2A	Mx	.002	2
94	MP2A	X	4.04	2
95	MP2A	Z	2.332	2
96	MP2A	Mx	.002	2
97	MP1C	X	6.752	.53
98	MP1C	Z	3.898	.53
99	MP1C	Mx	.008	.53
100	MP1C	X	6.752	3.47
101	MP1C	Z	3.898	3.47
102	MP1C	Mx	.008	3.47
103	MP5C	X	6.752	.53
104	MP5C	Z	3.898	.53
105	MP5C	Mx	.008	.53
106	MP5C	X	6.752	3.47
107	MP5C	Z	3.898	3.47
108	MP5C	Mx	.008	3.47
109	MP1A	X	5.69	.53
110	MP1A	Z	3.285	.53
111	MP1A	Mx	-.007	.53
112	MP1A	X	5.69	3.47
113	MP1A	Z	3.285	3.47
114	MP1A	Mx	-.007	3.47
115	MP1B	X	3.159	.53
116	MP1B	Z	1.824	.53
117	MP1B	Mx	0	.53
118	MP1B	X	3.159	3.47
119	MP1B	Z	1.824	3.47
120	MP1B	Mx	0	3.47
121	MP5A	X	5.69	.53
122	MP5A	Z	3.285	.53
123	MP5A	Mx	-.007	.53
124	MP5A	X	5.69	3.47
125	MP5A	Z	3.285	3.47
126	MP5A	Mx	-.007	3.47
127	MP5B	X	3.159	.53
128	MP5B	Z	1.824	.53
129	MP5B	Mx	0	.53
130	MP5B	X	3.159	3.47
131	MP5B	Z	1.824	3.47
132	MP5B	Mx	0	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	5.167	.67
2	MP3A	Z	8.95	.67
3	MP3A	Mx	-.01	.67
4	MP3A	X	5.167	5.33
5	MP3A	Z	8.95	5.33
6	MP3A	Mx	-.01	5.33
7	MP3B	X	5.167	.67
8	MP3B	Z	8.95	.67



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
9	MP3B	Mx	5.3e-5	.67
10	MP3B	X	5.167	5.33
11	MP3B	Z	8.95	5.33
12	MP3B	Mx	5.3e-5	5.33
13	MP3C	X	3.732	.67
14	MP3C	Z	6.464	.67
15	MP3C	Mx	.007	.67
16	MP3C	X	3.732	5.33
17	MP3C	Z	6.464	5.33
18	MP3C	Mx	.007	5.33
19	MP3A	X	5.167	.67
20	MP3A	Z	8.95	.67
21	MP3A	Mx	5.4e-5	.67
22	MP3A	X	5.167	5.33
23	MP3A	Z	8.95	5.33
24	MP3A	Mx	5.4e-5	5.33
25	MP3B	X	5.167	.67
26	MP3B	Z	8.95	.67
27	MP3B	Mx	-.01	.67
28	MP3B	X	5.167	5.33
29	MP3B	Z	8.95	5.33
30	MP3B	Mx	-.01	5.33
31	MP3C	X	3.732	.67
32	MP3C	Z	6.464	.67
33	MP3C	Mx	.007	.67
34	MP3C	X	3.732	5.33
35	MP3C	Z	6.464	5.33
36	MP3C	Mx	.007	5.33
37	MP4A	X	2.784	1.04
38	MP4A	Z	4.823	1.04
39	MP4A	Mx	-.003	1.04
40	MP4A	X	2.784	2.96
41	MP4A	Z	4.823	2.96
42	MP4A	Mx	-.003	2.96
43	MP4B	X	2.784	1.04
44	MP4B	Z	4.823	1.04
45	MP4B	Mx	-.003	1.04
46	MP4B	X	2.784	2.96
47	MP4B	Z	4.823	2.96
48	MP4B	Mx	-.003	2.96
49	MP4C	X	1.286	1.04
50	MP4C	Z	2.227	1.04
51	MP4C	Mx	.003	1.04
52	MP4C	X	1.286	2.96
53	MP4C	Z	2.227	2.96
54	MP4C	Mx	.003	2.96
55	MP4A	X	1.157	2
56	MP4A	Z	2.004	2
57	MP4A	Mx	.001	2
58	MP4A	X	1.157	2
59	MP4A	Z	2.004	2
60	MP4A	Mx	.001	2
61	MP4B	X	1.157	2
62	MP4B	Z	2.004	2
63	MP4B	Mx	.001	2
64	MP4B	X	1.157	2
65	MP4B	Z	2.004	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
66	MP4B	Mx	.001	2
67	MP4C	X	.707	2
68	MP4C	Z	1.225	2
69	MP4C	Mx	-.001	2
70	MP4C	X	.707	2
71	MP4C	Z	1.225	2
72	MP4C	Mx	-.001	2
73	MP5A	X	1.198	2
74	MP5A	Z	2.075	2
75	MP5A	Mx	.001	2
76	MP5A	X	1.198	2
77	MP5A	Z	2.075	2
78	MP5A	Mx	.001	2
79	MP5B	X	1.198	2
80	MP5B	Z	2.075	2
81	MP5B	Mx	.001	2
82	MP5B	X	1.198	2
83	MP5B	Z	2.075	2
84	MP5B	Mx	.001	2
85	MP5C	X	.873	2
86	MP5C	Z	1.513	2
87	MP5C	Mx	-.002	2
88	MP5C	X	.873	2
89	MP5C	Z	1.513	2
90	MP5C	Mx	-.002	2
91	MP2A	X	2.669	2
92	MP2A	Z	4.622	2
93	MP2A	Mx	.001	2
94	MP2A	X	2.669	2
95	MP2A	Z	4.622	2
96	MP2A	Mx	.001	2
97	MP1C	X	3.765	.53
98	MP1C	Z	6.521	.53
99	MP1C	Mx	.009	.53
100	MP1C	X	3.765	3.47
101	MP1C	Z	6.521	3.47
102	MP1C	Mx	.009	3.47
103	MP5C	X	3.765	.53
104	MP5C	Z	6.521	.53
105	MP5C	Mx	.009	.53
106	MP5C	X	3.765	3.47
107	MP5C	Z	6.521	3.47
108	MP5C	Mx	.009	3.47
109	MP1A	X	2.311	.53
110	MP1A	Z	4.002	.53
111	MP1A	Mx	-.003	.53
112	MP1A	X	2.311	3.47
113	MP1A	Z	4.002	3.47
114	MP1A	Mx	-.003	3.47
115	MP1B	X	2.311	.53
116	MP1B	Z	4.002	.53
117	MP1B	Mx	-.003	.53
118	MP1B	X	2.311	3.47
119	MP1B	Z	4.002	3.47
120	MP1B	Mx	-.003	3.47
121	MP5A	X	2.311	.53
122	MP5A	Z	4.002	.53



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
123	MP5A	Mx	-.003	.53
124	MP5A	X	2.311	3.47
125	MP5A	Z	4.002	3.47
126	MP5A	Mx	-.003	3.47
127	MP5B	X	2.311	.53
128	MP5B	Z	4.002	.53
129	MP5B	Mx	-.003	.53
130	MP5B	X	2.311	3.47
131	MP5B	Z	4.002	3.47
132	MP5B	Mx	-.003	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP3A	X	0	.67
2	MP3A	Z	11.291	.67
3	MP3A	Mx	-.007	.67
4	MP3A	X	0	5.33
5	MP3A	Z	11.291	5.33
6	MP3A	Mx	-.007	5.33
7	MP3B	X	0	.67
8	MP3B	Z	8.421	.67
9	MP3B	Mx	-.005	.67
10	MP3B	X	0	5.33
11	MP3B	Z	8.421	5.33
12	MP3B	Mx	-.005	5.33
13	MP3C	X	0	.67
14	MP3C	Z	8.421	.67
15	MP3C	Mx	.01	.67
16	MP3C	X	0	5.33
17	MP3C	Z	8.421	5.33
18	MP3C	Mx	.01	5.33
19	MP3A	X	0	.67
20	MP3A	Z	11.291	.67
21	MP3A	Mx	.007	.67
22	MP3A	X	0	5.33
23	MP3A	Z	11.291	5.33
24	MP3A	Mx	.007	5.33
25	MP3B	X	0	.67
26	MP3B	Z	8.421	.67
27	MP3B	Mx	-.01	.67
28	MP3B	X	0	5.33
29	MP3B	Z	8.421	5.33
30	MP3B	Mx	-.01	5.33
31	MP3C	X	0	.67
32	MP3C	Z	8.421	.67
33	MP3C	Mx	.005	.67
34	MP3C	X	0	5.33
35	MP3C	Z	8.421	5.33
36	MP3C	Mx	.005	5.33
37	MP4A	X	0	1.04
38	MP4A	Z	6.568	1.04
39	MP4A	Mx	0	1.04
40	MP4A	X	0	2.96
41	MP4A	Z	6.568	2.96
42	MP4A	Mx	0	2.96
43	MP4B	X	0	1.04



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
44	MP4B	Z	3.57	1.04
45	MP4B	Mx	-.003	1.04
46	MP4B	X	0	2.96
47	MP4B	Z	3.57	2.96
48	MP4B	Mx	-.003	2.96
49	MP4C	X	0	1.04
50	MP4C	Z	3.57	1.04
51	MP4C	Mx	.003	1.04
52	MP4C	X	0	2.96
53	MP4C	Z	3.57	2.96
54	MP4C	Mx	.003	2.96
55	MP4A	X	0	2
56	MP4A	Z	2.613	2
57	MP4A	Mx	0	2
58	MP4A	X	0	2
59	MP4A	Z	2.613	2
60	MP4A	Mx	0	2
61	MP4B	X	0	2
62	MP4B	Z	1.714	2
63	MP4B	Mx	.001	2
64	MP4B	X	0	2
65	MP4B	Z	1.714	2
66	MP4B	Mx	.001	2
67	MP4C	X	0	2
68	MP4C	Z	1.714	2
69	MP4C	Mx	-.001	2
70	MP4C	X	0	2
71	MP4C	Z	1.714	2
72	MP4C	Mx	-.001	2
73	MP5A	X	0	2
74	MP5A	Z	2.613	2
75	MP5A	Mx	0	2
76	MP5A	X	0	2
77	MP5A	Z	2.613	2
78	MP5A	Mx	0	2
79	MP5B	X	0	2
80	MP5B	Z	1.963	2
81	MP5B	Mx	.002	2
82	MP5B	X	0	2
83	MP5B	Z	1.963	2
84	MP5B	Mx	.002	2
85	MP5C	X	0	2
86	MP5C	Z	1.963	2
87	MP5C	Mx	-.002	2
88	MP5C	X	0	2
89	MP5C	Z	1.963	2
90	MP5C	Mx	-.002	2
91	MP2A	X	0	2
92	MP2A	Z	5.673	2
93	MP2A	Mx	0	2
94	MP2A	X	0	2
95	MP2A	Z	5.673	2
96	MP2A	Mx	0	2
97	MP1C	X	0	.53
98	MP1C	Z	7.796	.53
99	MP1C	Mx	.008	.53
100	MP1C	X	0	3.47



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
101	MP1C	Z	7.796	3.47
102	MP1C	Mx	.008	3.47
103	MP5C	X	0	.53
104	MP5C	Z	7.796	.53
105	MP5C	Mx	.008	.53
106	MP5C	X	0	3.47
107	MP5C	Z	7.796	3.47
108	MP5C	Mx	.008	3.47
109	MP1A	X	0	.53
110	MP1A	Z	3.647	.53
111	MP1A	Mx	0	.53
112	MP1A	X	0	3.47
113	MP1A	Z	3.647	3.47
114	MP1A	Mx	0	3.47
115	MP1B	X	0	.53
116	MP1B	Z	6.57	.53
117	MP1B	Mx	-.007	.53
118	MP1B	X	0	3.47
119	MP1B	Z	6.57	3.47
120	MP1B	Mx	-.007	3.47
121	MP5A	X	0	.53
122	MP5A	Z	3.647	.53
123	MP5A	Mx	0	.53
124	MP5A	X	0	3.47
125	MP5A	Z	3.647	3.47
126	MP5A	Mx	0	3.47
127	MP5B	X	0	.53
128	MP5B	Z	6.57	.53
129	MP5B	Mx	-.007	.53
130	MP5B	X	0	3.47
131	MP5B	Z	6.57	3.47
132	MP5B	Mx	-.007	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-5.167	.67
2	MP3A	Z	8.95	.67
3	MP3A	Mx	-5.4e-5	.67
4	MP3A	X	-5.167	5.33
5	MP3A	Z	8.95	5.33
6	MP3A	Mx	-5.4e-5	5.33
7	MP3B	X	-3.732	.67
8	MP3B	Z	6.464	.67
9	MP3B	Mx	-.007	.67
10	MP3B	X	-3.732	5.33
11	MP3B	Z	6.464	5.33
12	MP3B	Mx	-.007	5.33
13	MP3C	X	-5.167	.67
14	MP3C	Z	8.95	.67
15	MP3C	Mx	.01	.67
16	MP3C	X	-5.167	5.33
17	MP3C	Z	8.95	5.33
18	MP3C	Mx	.01	5.33
19	MP3A	X	-5.167	.67
20	MP3A	Z	8.95	.67
21	MP3A	Mx	.01	.67



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 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
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Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
22	MP3A	X	-5.167	5.33
23	MP3A	Z	8.95	5.33
24	MP3A	Mx	.01	5.33
25	MP3B	X	-3.732	.67
26	MP3B	Z	6.464	.67
27	MP3B	Mx	-.007	.67
28	MP3B	X	-3.732	5.33
29	MP3B	Z	6.464	5.33
30	MP3B	Mx	-.007	5.33
31	MP3C	X	-5.167	.67
32	MP3C	Z	8.95	.67
33	MP3C	Mx	-5.3e-5	.67
34	MP3C	X	-5.167	5.33
35	MP3C	Z	8.95	5.33
36	MP3C	Mx	-5.3e-5	5.33
37	MP4A	X	-2.784	1.04
38	MP4A	Z	4.823	1.04
39	MP4A	Mx	.003	1.04
40	MP4A	X	-2.784	2.96
41	MP4A	Z	4.823	2.96
42	MP4A	Mx	.003	2.96
43	MP4B	X	-1.286	1.04
44	MP4B	Z	2.227	1.04
45	MP4B	Mx	-.003	1.04
46	MP4B	X	-1.286	2.96
47	MP4B	Z	2.227	2.96
48	MP4B	Mx	-.003	2.96
49	MP4C	X	-2.784	1.04
50	MP4C	Z	4.823	1.04
51	MP4C	Mx	.003	1.04
52	MP4C	X	-2.784	2.96
53	MP4C	Z	4.823	2.96
54	MP4C	Mx	.003	2.96
55	MP4A	X	-1.157	2
56	MP4A	Z	2.004	2
57	MP4A	Mx	-.001	2
58	MP4A	X	-1.157	2
59	MP4A	Z	2.004	2
60	MP4A	Mx	-.001	2
61	MP4B	X	-.707	2
62	MP4B	Z	1.225	2
63	MP4B	Mx	.001	2
64	MP4B	X	-.707	2
65	MP4B	Z	1.225	2
66	MP4B	Mx	.001	2
67	MP4C	X	-1.157	2
68	MP4C	Z	2.004	2
69	MP4C	Mx	-.001	2
70	MP4C	X	-1.157	2
71	MP4C	Z	2.004	2
72	MP4C	Mx	-.001	2
73	MP5A	X	-1.198	2
74	MP5A	Z	2.075	2
75	MP5A	Mx	-.001	2
76	MP5A	X	-1.198	2
77	MP5A	Z	2.075	2
78	MP5A	Mx	-.001	2



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 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
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Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]	
79	MP5B	X	- .873	2
80	MP5B	Z	1.513	2
81	MP5B	Mx	.002	2
82	MP5B	X	- .873	2
83	MP5B	Z	1.513	2
84	MP5B	Mx	.002	2
85	MP5C	X	-1.198	2
86	MP5C	Z	2.075	2
87	MP5C	Mx	-.001	2
88	MP5C	X	-1.198	2
89	MP5C	Z	2.075	2
90	MP5C	Mx	-.001	2
91	MP2A	X	-2.669	2
92	MP2A	Z	4.622	2
93	MP2A	Mx	-.001	2
94	MP2A	X	-2.669	2
95	MP2A	Z	4.622	2
96	MP2A	Mx	-.001	2
97	MP1C	X	-4.164	.53
98	MP1C	Z	7.212	.53
99	MP1C	Mx	.005	.53
100	MP1C	X	-4.164	3.47
101	MP1C	Z	7.212	3.47
102	MP1C	Mx	.005	3.47
103	MP5C	X	-4.164	.53
104	MP5C	Z	7.212	.53
105	MP5C	Mx	.005	.53
106	MP5C	X	-4.164	3.47
107	MP5C	Z	7.212	3.47
108	MP5C	Mx	.005	3.47
109	MP1A	X	-2.311	.53
110	MP1A	Z	4.002	.53
111	MP1A	Mx	.003	.53
112	MP1A	X	-2.311	3.47
113	MP1A	Z	4.002	3.47
114	MP1A	Mx	.003	3.47
115	MP1B	X	-3.772	.53
116	MP1B	Z	6.534	.53
117	MP1B	Mx	-.009	.53
118	MP1B	X	-3.772	3.47
119	MP1B	Z	6.534	3.47
120	MP1B	Mx	-.009	3.47
121	MP5A	X	-2.311	.53
122	MP5A	Z	4.002	.53
123	MP5A	Mx	.003	.53
124	MP5A	X	-2.311	3.47
125	MP5A	Z	4.002	3.47
126	MP5A	Mx	.003	3.47
127	MP5B	X	-3.772	.53
128	MP5B	Z	6.534	.53
129	MP5B	Mx	-.009	.53
130	MP5B	X	-3.772	3.47
131	MP5B	Z	6.534	3.47
132	MP5B	Mx	-.009	3.47

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
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Member Point Loads (BLC 35 : Antenna Wm (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP3A	X	-7.293	.67
2	MP3A	Z	4.21	.67
3	MP3A	Mx	.005	.67
4	MP3A	X	-7.293	5.33
5	MP3A	Z	4.21	5.33
6	MP3A	Mx	.005	5.33
7	MP3B	X	-7.293	.67
8	MP3B	Z	4.21	.67
9	MP3B	Mx	-.01	.67
10	MP3B	X	-7.293	5.33
11	MP3B	Z	4.21	5.33
12	MP3B	Mx	-.01	5.33
13	MP3C	X	-9.778	.67
14	MP3C	Z	5.645	.67
15	MP3C	Mx	.007	.67
16	MP3C	X	-9.778	5.33
17	MP3C	Z	5.645	5.33
18	MP3C	Mx	.007	5.33
19	MP3A	X	-7.293	.67
20	MP3A	Z	4.21	.67
21	MP3A	Mx	.01	.67
22	MP3A	X	-7.293	5.33
23	MP3A	Z	4.21	5.33
24	MP3A	Mx	.01	5.33
25	MP3B	X	-7.293	.67
26	MP3B	Z	4.21	.67
27	MP3B	Mx	-.005	.67
28	MP3B	X	-7.293	5.33
29	MP3B	Z	4.21	5.33
30	MP3B	Mx	-.005	5.33
31	MP3C	X	-9.778	.67
32	MP3C	Z	5.645	.67
33	MP3C	Mx	-.007	.67
34	MP3C	X	-9.778	5.33
35	MP3C	Z	5.645	5.33
36	MP3C	Mx	-.007	5.33
37	MP4A	X	-3.092	1.04
38	MP4A	Z	1.785	1.04
39	MP4A	Mx	.003	1.04
40	MP4A	X	-3.092	2.96
41	MP4A	Z	1.785	2.96
42	MP4A	Mx	.003	2.96
43	MP4B	X	-3.092	1.04
44	MP4B	Z	1.785	1.04
45	MP4B	Mx	-.003	1.04
46	MP4B	X	-3.092	2.96
47	MP4B	Z	1.785	2.96
48	MP4B	Mx	-.003	2.96
49	MP4C	X	-5.688	1.04
50	MP4C	Z	3.284	1.04
51	MP4C	Mx	0	1.04
52	MP4C	X	-5.688	2.96
53	MP4C	Z	3.284	2.96
54	MP4C	Mx	0	2.96
55	MP4A	X	-1.485	2
56	MP4A	Z	.857	2
57	MP4A	Mx	-.001	2



Company : GPD
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 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
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Member Point Loads (BLC 35 : Antenna Wm (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP4A	X	-1.485	2
59	MP4A	Z	.857	2
60	MP4A	Mx	-.001	2
61	MP4B	X	-1.485	2
62	MP4B	Z	.857	2
63	MP4B	Mx	.001	2
64	MP4B	X	-1.485	2
65	MP4B	Z	.857	2
66	MP4B	Mx	.001	2
67	MP4C	X	-2.263	2
68	MP4C	Z	1.307	2
69	MP4C	Mx	0	2
70	MP4C	X	-2.263	2
71	MP4C	Z	1.307	2
72	MP4C	Mx	0	2
73	MP5A	X	-1.7	2
74	MP5A	Z	.982	2
75	MP5A	Mx	-.002	2
76	MP5A	X	-1.7	2
77	MP5A	Z	.982	2
78	MP5A	Mx	-.002	2
79	MP5B	X	-1.7	2
80	MP5B	Z	.982	2
81	MP5B	Mx	.002	2
82	MP5B	X	-1.7	2
83	MP5B	Z	.982	2
84	MP5B	Mx	.002	2
85	MP5C	X	-2.263	2
86	MP5C	Z	1.307	2
87	MP5C	Mx	0	2
88	MP5C	X	-2.263	2
89	MP5C	Z	1.307	2
90	MP5C	Mx	0	2
91	MP2A	X	-4.04	2
92	MP2A	Z	2.332	2
93	MP2A	Mx	-.002	2
94	MP2A	X	-4.04	2
95	MP2A	Z	2.332	2
96	MP2A	Mx	-.002	2
97	MP1C	X	-7.443	.53
98	MP1C	Z	4.297	.53
99	MP1C	Mx	0	.53
100	MP1C	X	-7.443	3.47
101	MP1C	Z	4.297	3.47
102	MP1C	Mx	0	3.47
103	MP5C	X	-7.443	.53
104	MP5C	Z	4.297	.53
105	MP5C	Mx	0	.53
106	MP5C	X	-7.443	3.47
107	MP5C	Z	4.297	3.47
108	MP5C	Mx	0	3.47
109	MP1A	X	-5.69	.53
110	MP1A	Z	3.285	.53
111	MP1A	Mx	.007	.53
112	MP1A	X	-5.69	3.47
113	MP1A	Z	3.285	3.47
114	MP1A	Mx	.007	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
115	MP1B	X	-5.69	.53
116	MP1B	Z	3.285	.53
117	MP1B	Mx	-.007	.53
118	MP1B	X	-5.69	3.47
119	MP1B	Z	3.285	3.47
120	MP1B	Mx	-.007	3.47
121	MP5A	X	-5.69	.53
122	MP5A	Z	3.285	.53
123	MP5A	Mx	.007	.53
124	MP5A	X	-5.69	3.47
125	MP5A	Z	3.285	3.47
126	MP5A	Mx	.007	3.47
127	MP5B	X	-5.69	.53
128	MP5B	Z	3.285	.53
129	MP5B	Mx	-.007	.53
130	MP5B	X	-5.69	3.47
131	MP5B	Z	3.285	3.47
132	MP5B	Mx	-.007	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-7.464	.67
2	MP3A	Z	0	.67
3	MP3A	Mx	.007	.67
4	MP3A	X	-7.464	5.33
5	MP3A	Z	0	5.33
6	MP3A	Mx	.007	5.33
7	MP3B	X	-10.334	.67
8	MP3B	Z	0	.67
9	MP3B	Mx	-.01	.67
10	MP3B	X	-10.334	5.33
11	MP3B	Z	0	5.33
12	MP3B	Mx	-.01	5.33
13	MP3C	X	-10.334	.67
14	MP3C	Z	0	.67
15	MP3C	Mx	5.4e-5	.67
16	MP3C	X	-10.334	5.33
17	MP3C	Z	0	5.33
18	MP3C	Mx	5.4e-5	5.33
19	MP3A	X	-7.464	.67
20	MP3A	Z	0	.67
21	MP3A	Mx	.007	.67
22	MP3A	X	-7.464	5.33
23	MP3A	Z	0	5.33
24	MP3A	Mx	.007	5.33
25	MP3B	X	-10.334	.67
26	MP3B	Z	0	.67
27	MP3B	Mx	5.4e-5	.67
28	MP3B	X	-10.334	5.33
29	MP3B	Z	0	5.33
30	MP3B	Mx	5.4e-5	5.33
31	MP3C	X	-10.334	.67
32	MP3C	Z	0	.67
33	MP3C	Mx	-.01	.67
34	MP3C	X	-10.334	5.33
35	MP3C	Z	0	5.33



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 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
36	MP3C	Mx	5.33
37	MP4A	X	1.04
38	MP4A	Z	1.04
39	MP4A	Mx	1.04
40	MP4A	X	2.96
41	MP4A	Z	2.96
42	MP4A	Mx	2.96
43	MP4B	X	1.04
44	MP4B	Z	1.04
45	MP4B	Mx	1.04
46	MP4B	X	2.96
47	MP4B	Z	2.96
48	MP4B	Mx	2.96
49	MP4C	X	1.04
50	MP4C	Z	1.04
51	MP4C	Mx	1.04
52	MP4C	X	2.96
53	MP4C	Z	2.96
54	MP4C	Mx	2.96
55	MP4A	X	2
56	MP4A	Z	2
57	MP4A	Mx	2
58	MP4A	X	2
59	MP4A	Z	2
60	MP4A	Mx	2
61	MP4B	X	2
62	MP4B	Z	2
63	MP4B	Mx	2
64	MP4B	X	2
65	MP4B	Z	2
66	MP4B	Mx	2
67	MP4C	X	2
68	MP4C	Z	2
69	MP4C	Mx	2
70	MP4C	X	2
71	MP4C	Z	2
72	MP4C	Mx	2
73	MP5A	X	2
74	MP5A	Z	2
75	MP5A	Mx	2
76	MP5A	X	2
77	MP5A	Z	2
78	MP5A	Mx	2
79	MP5B	X	2
80	MP5B	Z	2
81	MP5B	Mx	2
82	MP5B	X	2
83	MP5B	Z	2
84	MP5B	Mx	2
85	MP5C	X	2
86	MP5C	Z	2
87	MP5C	Mx	2
88	MP5C	X	2
89	MP5C	Z	2
90	MP5C	Mx	2
91	MP2A	X	2
92	MP2A	Z	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
93	MP2A	Mx	-.002	2
94	MP2A	X	-4.328	2
95	MP2A	Z	0	2
96	MP2A	Mx	-.002	2
97	MP1C	X	-8.328	.53
98	MP1C	Z	0	.53
99	MP1C	Mx	-.005	.53
100	MP1C	X	-8.328	3.47
101	MP1C	Z	0	3.47
102	MP1C	Mx	-.005	3.47
103	MP5C	X	-8.328	.53
104	MP5C	Z	0	.53
105	MP5C	Mx	-.005	.53
106	MP5C	X	-8.328	3.47
107	MP5C	Z	0	3.47
108	MP5C	Mx	-.005	3.47
109	MP1A	X	-7.544	.53
110	MP1A	Z	0	.53
111	MP1A	Mx	.009	.53
112	MP1A	X	-7.544	3.47
113	MP1A	Z	0	3.47
114	MP1A	Mx	.009	3.47
115	MP1B	X	-4.621	.53
116	MP1B	Z	0	.53
117	MP1B	Mx	-.003	.53
118	MP1B	X	-4.621	3.47
119	MP1B	Z	0	3.47
120	MP1B	Mx	-.003	3.47
121	MP5A	X	-7.544	.53
122	MP5A	Z	0	.53
123	MP5A	Mx	.009	.53
124	MP5A	X	-7.544	3.47
125	MP5A	Z	0	3.47
126	MP5A	Mx	.009	3.47
127	MP5B	X	-4.621	.53
128	MP5B	Z	0	.53
129	MP5B	Mx	-.003	.53
130	MP5B	X	-4.621	3.47
131	MP5B	Z	0	3.47
132	MP5B	Mx	-.003	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP3A	X	-7.293	.67
2	MP3A	Z	-4.21	.67
3	MP3A	Mx	.01	.67
4	MP3A	X	-7.293	5.33
5	MP3A	Z	-4.21	5.33
6	MP3A	Mx	.01	5.33
7	MP3B	X	-9.778	.67
8	MP3B	Z	-5.645	.67
9	MP3B	Mx	-.007	.67
10	MP3B	X	-9.778	5.33
11	MP3B	Z	-5.645	5.33
12	MP3B	Mx	-.007	5.33
13	MP3C	X	-7.293	.67



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
14	MP3C	Z	-4.21	.67
15	MP3C	Mx	-.005	.67
16	MP3C	X	-7.293	5.33
17	MP3C	Z	-4.21	5.33
18	MP3C	Mx	-.005	5.33
19	MP3A	X	-7.293	.67
20	MP3A	Z	-4.21	.67
21	MP3A	Mx	.005	.67
22	MP3A	X	-7.293	5.33
23	MP3A	Z	-4.21	5.33
24	MP3A	Mx	.005	5.33
25	MP3B	X	-9.778	.67
26	MP3B	Z	-5.645	.67
27	MP3B	Mx	.007	.67
28	MP3B	X	-9.778	5.33
29	MP3B	Z	-5.645	5.33
30	MP3B	Mx	.007	5.33
31	MP3C	X	-7.293	.67
32	MP3C	Z	-4.21	.67
33	MP3C	Mx	-.01	.67
34	MP3C	X	-7.293	5.33
35	MP3C	Z	-4.21	5.33
36	MP3C	Mx	-.01	5.33
37	MP4A	X	-3.092	1.04
38	MP4A	Z	-1.785	1.04
39	MP4A	Mx	.003	1.04
40	MP4A	X	-3.092	2.96
41	MP4A	Z	-1.785	2.96
42	MP4A	Mx	.003	2.96
43	MP4B	X	-5.688	1.04
44	MP4B	Z	-3.284	1.04
45	MP4B	Mx	0	1.04
46	MP4B	X	-5.688	2.96
47	MP4B	Z	-3.284	2.96
48	MP4B	Mx	0	2.96
49	MP4C	X	-3.092	1.04
50	MP4C	Z	-1.785	1.04
51	MP4C	Mx	-.003	1.04
52	MP4C	X	-3.092	2.96
53	MP4C	Z	-1.785	2.96
54	MP4C	Mx	-.003	2.96
55	MP4A	X	-1.485	2
56	MP4A	Z	-.857	2
57	MP4A	Mx	-.001	2
58	MP4A	X	-1.485	2
59	MP4A	Z	-.857	2
60	MP4A	Mx	-.001	2
61	MP4B	X	-2.263	2
62	MP4B	Z	-1.307	2
63	MP4B	Mx	0	2
64	MP4B	X	-2.263	2
65	MP4B	Z	-1.307	2
66	MP4B	Mx	0	2
67	MP4C	X	-1.485	2
68	MP4C	Z	-.857	2
69	MP4C	Mx	.001	2
70	MP4C	X	-1.485	2



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]	
71	MP4C	Z	- .857	2
72	MP4C	Mx	.001	2
73	MP5A	X	-1.7	2
74	MP5A	Z	-.982	2
75	MP5A	Mx	-.002	2
76	MP5A	X	-1.7	2
77	MP5A	Z	-.982	2
78	MP5A	Mx	-.002	2
79	MP5B	X	-2.263	2
80	MP5B	Z	-1.307	2
81	MP5B	Mx	0	2
82	MP5B	X	-2.263	2
83	MP5B	Z	-1.307	2
84	MP5B	Mx	0	2
85	MP5C	X	-1.7	2
86	MP5C	Z	-.982	2
87	MP5C	Mx	.002	2
88	MP5C	X	-1.7	2
89	MP5C	Z	-.982	2
90	MP5C	Mx	.002	2
91	MP2A	X	-4.04	2
92	MP2A	Z	-2.332	2
93	MP2A	Mx	-.002	2
94	MP2A	X	-4.04	2
95	MP2A	Z	-2.332	2
96	MP2A	Mx	-.002	2
97	MP1C	X	-6.752	.53
98	MP1C	Z	-3.898	.53
99	MP1C	Mx	-.008	.53
100	MP1C	X	-6.752	3.47
101	MP1C	Z	-3.898	3.47
102	MP1C	Mx	-.008	3.47
103	MP5C	X	-6.752	.53
104	MP5C	Z	-3.898	.53
105	MP5C	Mx	-.008	.53
106	MP5C	X	-6.752	3.47
107	MP5C	Z	-3.898	3.47
108	MP5C	Mx	-.008	3.47
109	MP1A	X	-5.69	.53
110	MP1A	Z	-3.285	.53
111	MP1A	Mx	.007	.53
112	MP1A	X	-5.69	3.47
113	MP1A	Z	-3.285	3.47
114	MP1A	Mx	.007	3.47
115	MP1B	X	-3.159	.53
116	MP1B	Z	-1.824	.53
117	MP1B	Mx	0	.53
118	MP1B	X	-3.159	3.47
119	MP1B	Z	-1.824	3.47
120	MP1B	Mx	0	3.47
121	MP5A	X	-5.69	.53
122	MP5A	Z	-3.285	.53
123	MP5A	Mx	.007	.53
124	MP5A	X	-5.69	3.47
125	MP5A	Z	-3.285	3.47
126	MP5A	Mx	.007	3.47
127	MP5B	X	-3.159	.53



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
128	MP5B	Z	-1.824	.53
129	MP5B	Mx	0	.53
130	MP5B	X	-3.159	3.47
131	MP5B	Z	-1.824	3.47
132	MP5B	Mx	0	3.47

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP3A	X	-5.167	.67
2	MP3A	Z	-8.95	.67
3	MP3A	Mx	.01	.67
4	MP3A	X	-5.167	5.33
5	MP3A	Z	-8.95	5.33
6	MP3A	Mx	.01	5.33
7	MP3B	X	-5.167	.67
8	MP3B	Z	-8.95	.67
9	MP3B	Mx	-5.3e-5	.67
10	MP3B	X	-5.167	5.33
11	MP3B	Z	-8.95	5.33
12	MP3B	Mx	-5.3e-5	5.33
13	MP3C	X	-3.732	.67
14	MP3C	Z	-6.464	.67
15	MP3C	Mx	-.007	.67
16	MP3C	X	-3.732	5.33
17	MP3C	Z	-6.464	5.33
18	MP3C	Mx	-.007	5.33
19	MP3A	X	-5.167	.67
20	MP3A	Z	-8.95	.67
21	MP3A	Mx	-5.4e-5	.67
22	MP3A	X	-5.167	5.33
23	MP3A	Z	-8.95	5.33
24	MP3A	Mx	-5.4e-5	5.33
25	MP3B	X	-5.167	.67
26	MP3B	Z	-8.95	.67
27	MP3B	Mx	.01	.67
28	MP3B	X	-5.167	5.33
29	MP3B	Z	-8.95	5.33
30	MP3B	Mx	.01	5.33
31	MP3C	X	-3.732	.67
32	MP3C	Z	-6.464	.67
33	MP3C	Mx	-.007	.67
34	MP3C	X	-3.732	5.33
35	MP3C	Z	-6.464	5.33
36	MP3C	Mx	-.007	5.33
37	MP4A	X	-2.784	1.04
38	MP4A	Z	-4.823	1.04
39	MP4A	Mx	.003	1.04
40	MP4A	X	-2.784	2.96
41	MP4A	Z	-4.823	2.96
42	MP4A	Mx	.003	2.96
43	MP4B	X	-2.784	1.04
44	MP4B	Z	-4.823	1.04
45	MP4B	Mx	.003	1.04
46	MP4B	X	-2.784	2.96
47	MP4B	Z	-4.823	2.96
48	MP4B	Mx	.003	2.96



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]	
49	MP4C	X	-1.286	1.04
50	MP4C	Z	-2.227	1.04
51	MP4C	Mx	-.003	1.04
52	MP4C	X	-1.286	2.96
53	MP4C	Z	-2.227	2.96
54	MP4C	Mx	-.003	2.96
55	MP4A	X	-1.157	2
56	MP4A	Z	-2.004	2
57	MP4A	Mx	-.001	2
58	MP4A	X	-1.157	2
59	MP4A	Z	-2.004	2
60	MP4A	Mx	-.001	2
61	MP4B	X	-1.157	2
62	MP4B	Z	-2.004	2
63	MP4B	Mx	-.001	2
64	MP4B	X	-1.157	2
65	MP4B	Z	-2.004	2
66	MP4B	Mx	-.001	2
67	MP4C	X	-.707	2
68	MP4C	Z	-1.225	2
69	MP4C	Mx	.001	2
70	MP4C	X	-.707	2
71	MP4C	Z	-1.225	2
72	MP4C	Mx	.001	2
73	MP5A	X	-1.198	2
74	MP5A	Z	-2.075	2
75	MP5A	Mx	-.001	2
76	MP5A	X	-1.198	2
77	MP5A	Z	-2.075	2
78	MP5A	Mx	-.001	2
79	MP5B	X	-1.198	2
80	MP5B	Z	-2.075	2
81	MP5B	Mx	-.001	2
82	MP5B	X	-1.198	2
83	MP5B	Z	-2.075	2
84	MP5B	Mx	-.001	2
85	MP5C	X	-.873	2
86	MP5C	Z	-1.513	2
87	MP5C	Mx	.002	2
88	MP5C	X	-.873	2
89	MP5C	Z	-1.513	2
90	MP5C	Mx	.002	2
91	MP2A	X	-2.669	2
92	MP2A	Z	-4.622	2
93	MP2A	Mx	-.001	2
94	MP2A	X	-2.669	2
95	MP2A	Z	-4.622	2
96	MP2A	Mx	-.001	2
97	MP1C	X	-3.765	.53
98	MP1C	Z	-6.521	.53
99	MP1C	Mx	-.009	.53
100	MP1C	X	-3.765	3.47
101	MP1C	Z	-6.521	3.47
102	MP1C	Mx	-.009	3.47
103	MP5C	X	-3.765	.53
104	MP5C	Z	-6.521	.53
105	MP5C	Mx	-.009	.53



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
106	MP5C	X	-3.765	3.47
107	MP5C	Z	-6.521	3.47
108	MP5C	Mx	-.009	3.47
109	MP1A	X	-2.311	.53
110	MP1A	Z	-4.002	.53
111	MP1A	Mx	.003	.53
112	MP1A	X	-2.311	3.47
113	MP1A	Z	-4.002	3.47
114	MP1A	Mx	.003	3.47
115	MP1B	X	-2.311	.53
116	MP1B	Z	-4.002	.53
117	MP1B	Mx	.003	.53
118	MP1B	X	-2.311	3.47
119	MP1B	Z	-4.002	3.47
120	MP1B	Mx	.003	3.47
121	MP5A	X	-2.311	.53
122	MP5A	Z	-4.002	.53
123	MP5A	Mx	.003	.53
124	MP5A	X	-2.311	3.47
125	MP5A	Z	-4.002	3.47
126	MP5A	Mx	.003	3.47
127	MP5B	X	-2.311	.53
128	MP5B	Z	-4.002	.53
129	MP5B	Mx	.003	.53
130	MP5B	X	-2.311	3.47
131	MP5B	Z	-4.002	3.47
132	MP5B	Mx	.003	3.47

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M1	Y	-500	%11

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M1	Y	-500	%48

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M1	Y	-250	%100

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-13.039	-13.039	0	%100
2	M2	Y	-13.039	-13.039	0	%100
3	M3	Y	-16.847	-16.847	0	%100
4	M23	Y	-13.039	-13.039	0	%100
5	M24	Y	-13.039	-13.039	0	%100
6	M25	Y	-16.847	-16.847	0	%100
7	M45	Y	-13.039	-13.039	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
8	M46	Y	-13.039	-13.039	0	%100
9	M47	Y	-16.847	-16.847	0	%100
10	M13A	Y	-16.103	-16.103	0	%100
11	M14	Y	-17.636	-17.636	0	%100
12	M17A	Y	-16.103	-16.103	0	%100
13	M18	Y	-17.636	-17.636	0	%100
14	M21	Y	-16.103	-16.103	0	%100
15	M22	Y	-17.636	-17.636	0	%100
16	MP1A	Y	-8.991	-8.991	0	%100
17	MP2A	Y	-8.991	-8.991	0	%100
18	MP3A	Y	-10.075	-10.075	0	%100
19	MP4A	Y	-8.991	-8.991	0	%100
20	MP5A	Y	-8.991	-8.991	0	%100
21	MP1B	Y	-8.991	-8.991	0	%100
22	MP2B	Y	-8.991	-8.991	0	%100
23	MP3B	Y	-10.075	-10.075	0	%100
24	MP4B	Y	-8.991	-8.991	0	%100
25	MP5B	Y	-8.991	-8.991	0	%100
26	MP1C	Y	-8.991	-8.991	0	%100
27	MP2C	Y	-8.991	-8.991	0	%100
28	MP3C	Y	-10.075	-10.075	0	%100
29	MP4C	Y	-8.991	-8.991	0	%100
30	MP5C	Y	-8.991	-8.991	0	%100
31	M52	Y	-10.075	-10.075	0	%100
32	M54	Y	-10.075	-10.075	0	%100
33	M55	Y	-10.075	-10.075	0	%100
34	M76	Y	-13.039	-13.039	0	%100
35	M77	Y	-13.039	-13.039	0	%100
36	M78	Y	-13.039	-13.039	0	%100
37	M79	Y	-11.506	-11.506	0	%100
38	M80	Y	-11.506	-11.506	0	%100
39	M81	Y	-11.506	-11.506	0	%100
40	M82	Y	-11.506	-11.506	0	%100
41	M83	Y	-11.506	-11.506	0	%100
42	M84	Y	-11.506	-11.506	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-21.216	-21.216	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-21.216	-21.216	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-13.349	-13.349	0	%100
7	M23	X	0	0	0	%100
8	M23	Z	-5.304	-5.304	0	%100
9	M24	X	0	0	0	%100
10	M24	Z	-5.304	-5.304	0	%100
11	M25	X	0	0	0	%100
12	M25	Z	-13.349	-13.349	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	-5.304	-5.304	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	-5.304	-5.304	0	%100
17	M47	X	0	0	0	%100
18	M47	Z	0	0	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
19	M13A	X	0	0	0	%100
20	M13A	Z	0	0	0	%100
21	M14	X	0	0	0	%100
22	M14	Z	0	0	0	%100
23	M17A	X	0	0	0	%100
24	M17A	Z	-9.017	-9.017	0	%100
25	M18	X	0	0	0	%100
26	M18	Z	-10.52	-10.52	0	%100
27	M21	X	0	0	0	%100
28	M21	Z	-9.017	-9.017	0	%100
29	M22	X	0	0	0	%100
30	M22	Z	-10.52	-10.52	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	-10.078	-10.078	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-10.078	-10.078	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-12.199	-12.199	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-10.078	-10.078	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	-10.078	-10.078	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	-10.078	-10.078	0	%100
43	MP2B	X	0	0	0	%100
44	MP2B	Z	-10.078	-10.078	0	%100
45	MP3B	X	0	0	0	%100
46	MP3B	Z	-12.199	-12.199	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	-10.078	-10.078	0	%100
49	MP5B	X	0	0	0	%100
50	MP5B	Z	-10.078	-10.078	0	%100
51	MP1C	X	0	0	0	%100
52	MP1C	Z	-10.078	-10.078	0	%100
53	MP2C	X	0	0	0	%100
54	MP2C	Z	-10.078	-10.078	0	%100
55	MP3C	X	0	0	0	%100
56	MP3C	Z	-12.199	-12.199	0	%100
57	MP4C	X	0	0	0	%100
58	MP4C	Z	-10.078	-10.078	0	%100
59	MP5C	X	0	0	0	%100
60	MP5C	Z	-10.078	-10.078	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	-12.199	-12.199	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	-3.05	-3.05	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	-3.05	-3.05	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	-3.764	-3.764	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	-15.054	-15.054	0	%100
71	M78	X	0	0	0	%100
72	M78	Z	-3.764	-3.764	0	%100
73	M79	X	0	0	0	%100
74	M79	Z	-11.058	-11.058	0	%100
75	M80	X	0	0	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
76	M80	Z	-11.058	-11.058	0 %100
77	M81	X	0	0	0 %100
78	M81	Z	-3.821	-3.821	0 %100
79	M82	X	0	0	0 %100
80	M82	Z	-15.055	-15.055	0 %100
81	M83	X	0	0	0 %100
82	M83	Z	-15.055	-15.055	0 %100
83	M84	X	0	0	0 %100
84	M84	Z	-3.821	-3.821	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	7.956	7.956	0 %100
2	M1	Z	-13.78	-13.78	0 %100
3	M2	X	7.956	7.956	0 %100
4	M2	Z	-13.78	-13.78	0 %100
5	M3	X	8.899	8.899	0 %100
6	M3	Z	-15.414	-15.414	0 %100
7	M23	X	0	0	0 %100
8	M23	Z	0	0	0 %100
9	M24	X	0	0	0 %100
10	M24	Z	0	0	0 %100
11	M25	X	2.225	2.225	0 %100
12	M25	Z	-3.853	-3.853	0 %100
13	M45	X	7.956	7.956	0 %100
14	M45	Z	-13.78	-13.78	0 %100
15	M46	X	7.956	7.956	0 %100
16	M46	Z	-13.78	-13.78	0 %100
17	M47	X	2.225	2.225	0 %100
18	M47	Z	-3.853	-3.853	0 %100
19	M13A	X	1.503	1.503	0 %100
20	M13A	Z	-2.603	-2.603	0 %100
21	M14	X	1.753	1.753	0 %100
22	M14	Z	-3.037	-3.037	0 %100
23	M17A	X	6.011	6.011	0 %100
24	M17A	Z	-10.412	-10.412	0 %100
25	M18	X	7.013	7.013	0 %100
26	M18	Z	-12.147	-12.147	0 %100
27	M21	X	1.503	1.503	0 %100
28	M21	Z	-2.603	-2.603	0 %100
29	M22	X	1.753	1.753	0 %100
30	M22	Z	-3.037	-3.037	0 %100
31	MP1A	X	5.039	5.039	0 %100
32	MP1A	Z	-8.728	-8.728	0 %100
33	MP2A	X	5.039	5.039	0 %100
34	MP2A	Z	-8.728	-8.728	0 %100
35	MP3A	X	6.1	6.1	0 %100
36	MP3A	Z	-10.565	-10.565	0 %100
37	MP4A	X	5.039	5.039	0 %100
38	MP4A	Z	-8.728	-8.728	0 %100
39	MP5A	X	5.039	5.039	0 %100
40	MP5A	Z	-8.728	-8.728	0 %100
41	MP1B	X	5.039	5.039	0 %100
42	MP1B	Z	-8.728	-8.728	0 %100
43	MP2B	X	5.039	5.039	0 %100
44	MP2B	Z	-8.728	-8.728	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
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Member Distributed Loads (BLC 42 : Structure Wo (30 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
45	MP3B	X	6.1	6.1	0 %100
46	MP3B	Z	-10.565	-10.565	0 %100
47	MP4B	X	5.039	5.039	0 %100
48	MP4B	Z	-8.728	-8.728	0 %100
49	MP5B	X	5.039	5.039	0 %100
50	MP5B	Z	-8.728	-8.728	0 %100
51	MP1C	X	5.039	5.039	0 %100
52	MP1C	Z	-8.728	-8.728	0 %100
53	MP2C	X	5.039	5.039	0 %100
54	MP2C	Z	-8.728	-8.728	0 %100
55	MP3C	X	6.1	6.1	0 %100
56	MP3C	Z	-10.565	-10.565	0 %100
57	MP4C	X	5.039	5.039	0 %100
58	MP4C	Z	-8.728	-8.728	0 %100
59	MP5C	X	5.039	5.039	0 %100
60	MP5C	Z	-8.728	-8.728	0 %100
61	M52	X	4.575	4.575	0 %100
62	M52	Z	-7.924	-7.924	0 %100
63	M54	X	0	0	0 %100
64	M54	Z	0	0	0 %100
65	M55	X	4.575	4.575	0 %100
66	M55	Z	-7.924	-7.924	0 %100
67	M76	X	5.645	5.645	0 %100
68	M76	Z	-9.778	-9.778	0 %100
69	M77	X	5.645	5.645	0 %100
70	M77	Z	-9.778	-9.778	0 %100
71	M78	X	0	0	0 %100
72	M78	Z	0	0	0 %100
73	M79	X	2.45	2.45	0 %100
74	M79	Z	-4.244	-4.244	0 %100
75	M80	X	8.067	8.067	0 %100
76	M80	Z	-13.973	-13.973	0 %100
77	M81	X	4.449	4.449	0 %100
78	M81	Z	-7.705	-7.705	0 %100
79	M82	X	4.449	4.449	0 %100
80	M82	Z	-7.705	-7.705	0 %100
81	M83	X	8.067	8.067	0 %100
82	M83	Z	-13.973	-13.973	0 %100
83	M84	X	2.45	2.45	0 %100
84	M84	Z	-4.244	-4.244	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.593	4.593	0 %100
2	M1	Z	-2.652	-2.652	0 %100
3	M2	X	4.593	4.593	0 %100
4	M2	Z	-2.652	-2.652	0 %100
5	M3	X	11.56	11.56	0 %100
6	M3	Z	-6.674	-6.674	0 %100
7	M23	X	4.593	4.593	0 %100
8	M23	Z	-2.652	-2.652	0 %100
9	M24	X	4.593	4.593	0 %100
10	M24	Z	-2.652	-2.652	0 %100
11	M25	X	0	0	0 %100
12	M25	Z	0	0	0 %100
13	M45	X	18.374	18.374	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
14	M45	Z	-10.608	-10.608	0 %100
15	M46	X	18.374	18.374	0 %100
16	M46	Z	-10.608	-10.608	0 %100
17	M47	X	11.56	11.56	0 %100
18	M47	Z	-6.674	-6.674	0 %100
19	M13A	X	7.809	7.809	0 %100
20	M13A	Z	-4.508	-4.508	0 %100
21	M14	X	9.11	9.11	0 %100
22	M14	Z	-5.26	-5.26	0 %100
23	M17A	X	7.809	7.809	0 %100
24	M17A	Z	-4.508	-4.508	0 %100
25	M18	X	9.11	9.11	0 %100
26	M18	Z	-5.26	-5.26	0 %100
27	M21	X	0	0	0 %100
28	M21	Z	0	0	0 %100
29	M22	X	0	0	0 %100
30	M22	Z	0	0	0 %100
31	MP1A	X	8.728	8.728	0 %100
32	MP1A	Z	-5.039	-5.039	0 %100
33	MP2A	X	8.728	8.728	0 %100
34	MP2A	Z	-5.039	-5.039	0 %100
35	MP3A	X	10.565	10.565	0 %100
36	MP3A	Z	-6.1	-6.1	0 %100
37	MP4A	X	8.728	8.728	0 %100
38	MP4A	Z	-5.039	-5.039	0 %100
39	MP5A	X	8.728	8.728	0 %100
40	MP5A	Z	-5.039	-5.039	0 %100
41	MP1B	X	8.728	8.728	0 %100
42	MP1B	Z	-5.039	-5.039	0 %100
43	MP2B	X	8.728	8.728	0 %100
44	MP2B	Z	-5.039	-5.039	0 %100
45	MP3B	X	10.565	10.565	0 %100
46	MP3B	Z	-6.1	-6.1	0 %100
47	MP4B	X	8.728	8.728	0 %100
48	MP4B	Z	-5.039	-5.039	0 %100
49	MP5B	X	8.728	8.728	0 %100
50	MP5B	Z	-5.039	-5.039	0 %100
51	MP1C	X	8.728	8.728	0 %100
52	MP1C	Z	-5.039	-5.039	0 %100
53	MP2C	X	8.728	8.728	0 %100
54	MP2C	Z	-5.039	-5.039	0 %100
55	MP3C	X	10.565	10.565	0 %100
56	MP3C	Z	-6.1	-6.1	0 %100
57	MP4C	X	8.728	8.728	0 %100
58	MP4C	Z	-5.039	-5.039	0 %100
59	MP5C	X	8.728	8.728	0 %100
60	MP5C	Z	-5.039	-5.039	0 %100
61	M52	X	2.641	2.641	0 %100
62	M52	Z	-1.525	-1.525	0 %100
63	M54	X	2.641	2.641	0 %100
64	M54	Z	-1.525	-1.525	0 %100
65	M55	X	10.565	10.565	0 %100
66	M55	Z	-6.1	-6.1	0 %100
67	M76	X	13.038	13.038	0 %100
68	M76	Z	-7.527	-7.527	0 %100
69	M77	X	3.259	3.259	0 %100
70	M77	Z	-1.882	-1.882	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
71	M78	X	3.259	3.259	0	%100
72	M78	Z	-1.882	-1.882	0	%100
73	M79	X	3.309	3.309	0	%100
74	M79	Z	-1.91	-1.91	0	%100
75	M80	X	13.038	13.038	0	%100
76	M80	Z	-7.527	-7.527	0	%100
77	M81	X	13.038	13.038	0	%100
78	M81	Z	-7.527	-7.527	0	%100
79	M82	X	3.309	3.309	0	%100
80	M82	Z	-1.91	-1.91	0	%100
81	M83	X	9.577	9.577	0	%100
82	M83	Z	-5.529	-5.529	0	%100
83	M84	X	9.577	9.577	0	%100
84	M84	Z	-5.529	-5.529	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	4.45	4.45	0	%100
6	M3	Z	0	0	0	%100
7	M23	X	15.912	15.912	0	%100
8	M23	Z	0	0	0	%100
9	M24	X	15.912	15.912	0	%100
10	M24	Z	0	0	0	%100
11	M25	X	4.45	4.45	0	%100
12	M25	Z	0	0	0	%100
13	M45	X	15.912	15.912	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	15.912	15.912	0	%100
16	M46	Z	0	0	0	%100
17	M47	X	17.798	17.798	0	%100
18	M47	Z	0	0	0	%100
19	M13A	X	12.023	12.023	0	%100
20	M13A	Z	0	0	0	%100
21	M14	X	14.026	14.026	0	%100
22	M14	Z	0	0	0	%100
23	M17A	X	3.006	3.006	0	%100
24	M17A	Z	0	0	0	%100
25	M18	X	3.507	3.507	0	%100
26	M18	Z	0	0	0	%100
27	M21	X	3.006	3.006	0	%100
28	M21	Z	0	0	0	%100
29	M22	X	3.507	3.507	0	%100
30	M22	Z	0	0	0	%100
31	MP1A	X	10.078	10.078	0	%100
32	MP1A	Z	0	0	0	%100
33	MP2A	X	10.078	10.078	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	12.199	12.199	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	10.078	10.078	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	10.078	10.078	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
40	MP5A	Z	0	0	0	%100
41	MP1B	X	10.078	10.078	0	%100
42	MP1B	Z	0	0	0	%100
43	MP2B	X	10.078	10.078	0	%100
44	MP2B	Z	0	0	0	%100
45	MP3B	X	12.199	12.199	0	%100
46	MP3B	Z	0	0	0	%100
47	MP4B	X	10.078	10.078	0	%100
48	MP4B	Z	0	0	0	%100
49	MP5B	X	10.078	10.078	0	%100
50	MP5B	Z	0	0	0	%100
51	MP1C	X	10.078	10.078	0	%100
52	MP1C	Z	0	0	0	%100
53	MP2C	X	10.078	10.078	0	%100
54	MP2C	Z	0	0	0	%100
55	MP3C	X	12.199	12.199	0	%100
56	MP3C	Z	0	0	0	%100
57	MP4C	X	10.078	10.078	0	%100
58	MP4C	Z	0	0	0	%100
59	MP5C	X	10.078	10.078	0	%100
60	MP5C	Z	0	0	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	0	0	0	%100
63	M54	X	9.15	9.15	0	%100
64	M54	Z	0	0	0	%100
65	M55	X	9.15	9.15	0	%100
66	M55	Z	0	0	0	%100
67	M76	X	11.291	11.291	0	%100
68	M76	Z	0	0	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	0	0	0	%100
71	M78	X	11.291	11.291	0	%100
72	M78	Z	0	0	0	%100
73	M79	X	8.897	8.897	0	%100
74	M79	Z	0	0	0	%100
75	M80	X	8.897	8.897	0	%100
76	M80	Z	0	0	0	%100
77	M81	X	16.135	16.135	0	%100
78	M81	Z	0	0	0	%100
79	M82	X	4.901	4.901	0	%100
80	M82	Z	0	0	0	%100
81	M83	X	4.901	4.901	0	%100
82	M83	Z	0	0	0	%100
83	M84	X	16.135	16.135	0	%100
84	M84	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	4.593	4.593	0	%100
2	M1	Z	2.652	2.652	0	%100
3	M2	X	4.593	4.593	0	%100
4	M2	Z	2.652	2.652	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M23	X	18.374	18.374	0	%100
8	M23	Z	10.608	10.608	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
9	M24	X	18.374	18.374	0	%100
10	M24	Z	10.608	10.608	0	%100
11	M25	X	11.56	11.56	0	%100
12	M25	Z	6.674	6.674	0	%100
13	M45	X	4.593	4.593	0	%100
14	M45	Z	2.652	2.652	0	%100
15	M46	X	4.593	4.593	0	%100
16	M46	Z	2.652	2.652	0	%100
17	M47	X	11.56	11.56	0	%100
18	M47	Z	6.674	6.674	0	%100
19	M13A	X	7.809	7.809	0	%100
20	M13A	Z	4.508	4.508	0	%100
21	M14	X	9.11	9.11	0	%100
22	M14	Z	5.26	5.26	0	%100
23	M17A	X	0	0	0	%100
24	M17A	Z	0	0	0	%100
25	M18	X	0	0	0	%100
26	M18	Z	0	0	0	%100
27	M21	X	7.809	7.809	0	%100
28	M21	Z	4.508	4.508	0	%100
29	M22	X	9.11	9.11	0	%100
30	M22	Z	5.26	5.26	0	%100
31	MP1A	X	8.728	8.728	0	%100
32	MP1A	Z	5.039	5.039	0	%100
33	MP2A	X	8.728	8.728	0	%100
34	MP2A	Z	5.039	5.039	0	%100
35	MP3A	X	10.565	10.565	0	%100
36	MP3A	Z	6.1	6.1	0	%100
37	MP4A	X	8.728	8.728	0	%100
38	MP4A	Z	5.039	5.039	0	%100
39	MP5A	X	8.728	8.728	0	%100
40	MP5A	Z	5.039	5.039	0	%100
41	MP1B	X	8.728	8.728	0	%100
42	MP1B	Z	5.039	5.039	0	%100
43	MP2B	X	8.728	8.728	0	%100
44	MP2B	Z	5.039	5.039	0	%100
45	MP3B	X	10.565	10.565	0	%100
46	MP3B	Z	6.1	6.1	0	%100
47	MP4B	X	8.728	8.728	0	%100
48	MP4B	Z	5.039	5.039	0	%100
49	MP5B	X	8.728	8.728	0	%100
50	MP5B	Z	5.039	5.039	0	%100
51	MP1C	X	8.728	8.728	0	%100
52	MP1C	Z	5.039	5.039	0	%100
53	MP2C	X	8.728	8.728	0	%100
54	MP2C	Z	5.039	5.039	0	%100
55	MP3C	X	10.565	10.565	0	%100
56	MP3C	Z	6.1	6.1	0	%100
57	MP4C	X	8.728	8.728	0	%100
58	MP4C	Z	5.039	5.039	0	%100
59	MP5C	X	8.728	8.728	0	%100
60	MP5C	Z	5.039	5.039	0	%100
61	M52	X	2.641	2.641	0	%100
62	M52	Z	1.525	1.525	0	%100
63	M54	X	10.565	10.565	0	%100
64	M54	Z	6.1	6.1	0	%100
65	M55	X	2.641	2.641	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
66	M55	Z	1.525	1.525	0	%100
67	M76	X	3.259	3.259	0	%100
68	M76	Z	1.882	1.882	0	%100
69	M77	X	3.259	3.259	0	%100
70	M77	Z	1.882	1.882	0	%100
71	M78	X	13.038	13.038	0	%100
72	M78	Z	7.527	7.527	0	%100
73	M79	X	13.038	13.038	0	%100
74	M79	Z	7.527	7.527	0	%100
75	M80	X	3.309	3.309	0	%100
76	M80	Z	1.91	1.91	0	%100
77	M81	X	9.577	9.577	0	%100
78	M81	Z	5.529	5.529	0	%100
79	M82	X	9.577	9.577	0	%100
80	M82	Z	5.529	5.529	0	%100
81	M83	X	3.309	3.309	0	%100
82	M83	Z	1.91	1.91	0	%100
83	M84	X	13.038	13.038	0	%100
84	M84	Z	7.527	7.527	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	7.956	7.956	0	%100
2	M1	Z	13.78	13.78	0	%100
3	M2	X	7.956	7.956	0	%100
4	M2	Z	13.78	13.78	0	%100
5	M3	X	2.225	2.225	0	%100
6	M3	Z	3.853	3.853	0	%100
7	M23	X	7.956	7.956	0	%100
8	M23	Z	13.78	13.78	0	%100
9	M24	X	7.956	7.956	0	%100
10	M24	Z	13.78	13.78	0	%100
11	M25	X	8.899	8.899	0	%100
12	M25	Z	15.414	15.414	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M47	X	2.225	2.225	0	%100
18	M47	Z	3.853	3.853	0	%100
19	M13A	X	1.503	1.503	0	%100
20	M13A	Z	2.603	2.603	0	%100
21	M14	X	1.753	1.753	0	%100
22	M14	Z	3.037	3.037	0	%100
23	M17A	X	1.503	1.503	0	%100
24	M17A	Z	2.603	2.603	0	%100
25	M18	X	1.753	1.753	0	%100
26	M18	Z	3.037	3.037	0	%100
27	M21	X	6.011	6.011	0	%100
28	M21	Z	10.412	10.412	0	%100
29	M22	X	7.013	7.013	0	%100
30	M22	Z	12.147	12.147	0	%100
31	MP1A	X	5.039	5.039	0	%100
32	MP1A	Z	8.728	8.728	0	%100
33	MP2A	X	5.039	5.039	0	%100
34	MP2A	Z	8.728	8.728	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
35	MP3A	X	6.1	6.1	0	%100
36	MP3A	Z	10.565	10.565	0	%100
37	MP4A	X	5.039	5.039	0	%100
38	MP4A	Z	8.728	8.728	0	%100
39	MP5A	X	5.039	5.039	0	%100
40	MP5A	Z	8.728	8.728	0	%100
41	MP1B	X	5.039	5.039	0	%100
42	MP1B	Z	8.728	8.728	0	%100
43	MP2B	X	5.039	5.039	0	%100
44	MP2B	Z	8.728	8.728	0	%100
45	MP3B	X	6.1	6.1	0	%100
46	MP3B	Z	10.565	10.565	0	%100
47	MP4B	X	5.039	5.039	0	%100
48	MP4B	Z	8.728	8.728	0	%100
49	MP5B	X	5.039	5.039	0	%100
50	MP5B	Z	8.728	8.728	0	%100
51	MP1C	X	5.039	5.039	0	%100
52	MP1C	Z	8.728	8.728	0	%100
53	MP2C	X	5.039	5.039	0	%100
54	MP2C	Z	8.728	8.728	0	%100
55	MP3C	X	6.1	6.1	0	%100
56	MP3C	Z	10.565	10.565	0	%100
57	MP4C	X	5.039	5.039	0	%100
58	MP4C	Z	8.728	8.728	0	%100
59	MP5C	X	5.039	5.039	0	%100
60	MP5C	Z	8.728	8.728	0	%100
61	M52	X	4.575	4.575	0	%100
62	M52	Z	7.924	7.924	0	%100
63	M54	X	4.575	4.575	0	%100
64	M54	Z	7.924	7.924	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	0	0	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	0	0	0	%100
69	M77	X	5.645	5.645	0	%100
70	M77	Z	9.778	9.778	0	%100
71	M78	X	5.645	5.645	0	%100
72	M78	Z	9.778	9.778	0	%100
73	M79	X	8.067	8.067	0	%100
74	M79	Z	13.973	13.973	0	%100
75	M80	X	2.45	2.45	0	%100
76	M80	Z	4.244	4.244	0	%100
77	M81	X	2.45	2.45	0	%100
78	M81	Z	4.244	4.244	0	%100
79	M82	X	8.067	8.067	0	%100
80	M82	Z	13.973	13.973	0	%100
81	M83	X	4.449	4.449	0	%100
82	M83	Z	7.705	7.705	0	%100
83	M84	X	4.449	4.449	0	%100
84	M84	Z	7.705	7.705	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	21.216	21.216	0	%100
3	M2	X	0	0	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
4	M2	Z	21.216	21.216	0 %100
5	M3	X	0	0	0 %100
6	M3	Z	13.349	13.349	0 %100
7	M23	X	0	0	0 %100
8	M23	Z	5.304	5.304	0 %100
9	M24	X	0	0	0 %100
10	M24	Z	5.304	5.304	0 %100
11	M25	X	0	0	0 %100
12	M25	Z	13.349	13.349	0 %100
13	M45	X	0	0	0 %100
14	M45	Z	5.304	5.304	0 %100
15	M46	X	0	0	0 %100
16	M46	Z	5.304	5.304	0 %100
17	M47	X	0	0	0 %100
18	M47	Z	0	0	0 %100
19	M13A	X	0	0	0 %100
20	M13A	Z	0	0	0 %100
21	M14	X	0	0	0 %100
22	M14	Z	0	0	0 %100
23	M17A	X	0	0	0 %100
24	M17A	Z	9.017	9.017	0 %100
25	M18	X	0	0	0 %100
26	M18	Z	10.52	10.52	0 %100
27	M21	X	0	0	0 %100
28	M21	Z	9.017	9.017	0 %100
29	M22	X	0	0	0 %100
30	M22	Z	10.52	10.52	0 %100
31	MP1A	X	0	0	0 %100
32	MP1A	Z	10.078	10.078	0 %100
33	MP2A	X	0	0	0 %100
34	MP2A	Z	10.078	10.078	0 %100
35	MP3A	X	0	0	0 %100
36	MP3A	Z	12.199	12.199	0 %100
37	MP4A	X	0	0	0 %100
38	MP4A	Z	10.078	10.078	0 %100
39	MP5A	X	0	0	0 %100
40	MP5A	Z	10.078	10.078	0 %100
41	MP1B	X	0	0	0 %100
42	MP1B	Z	10.078	10.078	0 %100
43	MP2B	X	0	0	0 %100
44	MP2B	Z	10.078	10.078	0 %100
45	MP3B	X	0	0	0 %100
46	MP3B	Z	12.199	12.199	0 %100
47	MP4B	X	0	0	0 %100
48	MP4B	Z	10.078	10.078	0 %100
49	MP5B	X	0	0	0 %100
50	MP5B	Z	10.078	10.078	0 %100
51	MP1C	X	0	0	0 %100
52	MP1C	Z	10.078	10.078	0 %100
53	MP2C	X	0	0	0 %100
54	MP2C	Z	10.078	10.078	0 %100
55	MP3C	X	0	0	0 %100
56	MP3C	Z	12.199	12.199	0 %100
57	MP4C	X	0	0	0 %100
58	MP4C	Z	10.078	10.078	0 %100
59	MP5C	X	0	0	0 %100
60	MP5C	Z	10.078	10.078	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
61	M52	X	0	0	%100
62	M52	Z	12.199	12.199	%100
63	M54	X	0	0	%100
64	M54	Z	3.05	3.05	%100
65	M55	X	0	0	%100
66	M55	Z	3.05	3.05	%100
67	M76	X	0	0	%100
68	M76	Z	3.764	3.764	%100
69	M77	X	0	0	%100
70	M77	Z	15.054	15.054	%100
71	M78	X	0	0	%100
72	M78	Z	3.764	3.764	%100
73	M79	X	0	0	%100
74	M79	Z	11.058	11.058	%100
75	M80	X	0	0	%100
76	M80	Z	11.058	11.058	%100
77	M81	X	0	0	%100
78	M81	Z	3.821	3.821	%100
79	M82	X	0	0	%100
80	M82	Z	15.055	15.055	%100
81	M83	X	0	0	%100
82	M83	Z	15.055	15.055	%100
83	M84	X	0	0	%100
84	M84	Z	3.821	3.821	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-7.956	0	%100
2	M1	Z	13.78	0	%100
3	M2	X	-7.956	0	%100
4	M2	Z	13.78	0	%100
5	M3	X	-8.899	0	%100
6	M3	Z	15.414	0	%100
7	M23	X	0	0	%100
8	M23	Z	0	0	%100
9	M24	X	0	0	%100
10	M24	Z	0	0	%100
11	M25	X	-2.225	0	%100
12	M25	Z	3.853	0	%100
13	M45	X	-7.956	0	%100
14	M45	Z	13.78	0	%100
15	M46	X	-7.956	0	%100
16	M46	Z	13.78	0	%100
17	M47	X	-2.225	0	%100
18	M47	Z	3.853	0	%100
19	M13A	X	-1.503	0	%100
20	M13A	Z	2.603	0	%100
21	M14	X	-1.753	0	%100
22	M14	Z	3.037	0	%100
23	M17A	X	-6.011	0	%100
24	M17A	Z	10.412	0	%100
25	M18	X	-7.013	0	%100
26	M18	Z	12.147	0	%100
27	M21	X	-1.503	0	%100
28	M21	Z	2.603	0	%100
29	M22	X	-1.753	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
30	M22	Z	3.037	3.037	0 %100
31	MP1A	X	-5.039	-5.039	0 %100
32	MP1A	Z	8.728	8.728	0 %100
33	MP2A	X	-5.039	-5.039	0 %100
34	MP2A	Z	8.728	8.728	0 %100
35	MP3A	X	-6.1	-6.1	0 %100
36	MP3A	Z	10.565	10.565	0 %100
37	MP4A	X	-5.039	-5.039	0 %100
38	MP4A	Z	8.728	8.728	0 %100
39	MP5A	X	-5.039	-5.039	0 %100
40	MP5A	Z	8.728	8.728	0 %100
41	MP1B	X	-5.039	-5.039	0 %100
42	MP1B	Z	8.728	8.728	0 %100
43	MP2B	X	-5.039	-5.039	0 %100
44	MP2B	Z	8.728	8.728	0 %100
45	MP3B	X	-6.1	-6.1	0 %100
46	MP3B	Z	10.565	10.565	0 %100
47	MP4B	X	-5.039	-5.039	0 %100
48	MP4B	Z	8.728	8.728	0 %100
49	MP5B	X	-5.039	-5.039	0 %100
50	MP5B	Z	8.728	8.728	0 %100
51	MP1C	X	-5.039	-5.039	0 %100
52	MP1C	Z	8.728	8.728	0 %100
53	MP2C	X	-5.039	-5.039	0 %100
54	MP2C	Z	8.728	8.728	0 %100
55	MP3C	X	-6.1	-6.1	0 %100
56	MP3C	Z	10.565	10.565	0 %100
57	MP4C	X	-5.039	-5.039	0 %100
58	MP4C	Z	8.728	8.728	0 %100
59	MP5C	X	-5.039	-5.039	0 %100
60	MP5C	Z	8.728	8.728	0 %100
61	M52	X	-4.575	-4.575	0 %100
62	M52	Z	7.924	7.924	0 %100
63	M54	X	0	0	0 %100
64	M54	Z	0	0	0 %100
65	M55	X	-4.575	-4.575	0 %100
66	M55	Z	7.924	7.924	0 %100
67	M76	X	-5.645	-5.645	0 %100
68	M76	Z	9.778	9.778	0 %100
69	M77	X	-5.645	-5.645	0 %100
70	M77	Z	9.778	9.778	0 %100
71	M78	X	0	0	0 %100
72	M78	Z	0	0	0 %100
73	M79	X	-2.45	-2.45	0 %100
74	M79	Z	4.244	4.244	0 %100
75	M80	X	-8.067	-8.067	0 %100
76	M80	Z	13.973	13.973	0 %100
77	M81	X	-4.449	-4.449	0 %100
78	M81	Z	7.705	7.705	0 %100
79	M82	X	-4.449	-4.449	0 %100
80	M82	Z	7.705	7.705	0 %100
81	M83	X	-8.067	-8.067	0 %100
82	M83	Z	13.973	13.973	0 %100
83	M84	X	-2.45	-2.45	0 %100
84	M84	Z	4.244	4.244	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.593	-4.593	0	%100
2	M1	Z	2.652	2.652	0	%100
3	M2	X	-4.593	-4.593	0	%100
4	M2	Z	2.652	2.652	0	%100
5	M3	X	-11.56	-11.56	0	%100
6	M3	Z	6.674	6.674	0	%100
7	M23	X	-4.593	-4.593	0	%100
8	M23	Z	2.652	2.652	0	%100
9	M24	X	-4.593	-4.593	0	%100
10	M24	Z	2.652	2.652	0	%100
11	M25	X	0	0	0	%100
12	M25	Z	0	0	0	%100
13	M45	X	-18.374	-18.374	0	%100
14	M45	Z	10.608	10.608	0	%100
15	M46	X	-18.374	-18.374	0	%100
16	M46	Z	10.608	10.608	0	%100
17	M47	X	-11.56	-11.56	0	%100
18	M47	Z	6.674	6.674	0	%100
19	M13A	X	-7.809	-7.809	0	%100
20	M13A	Z	4.508	4.508	0	%100
21	M14	X	-9.11	-9.11	0	%100
22	M14	Z	5.26	5.26	0	%100
23	M17A	X	-7.809	-7.809	0	%100
24	M17A	Z	4.508	4.508	0	%100
25	M18	X	-9.11	-9.11	0	%100
26	M18	Z	5.26	5.26	0	%100
27	M21	X	0	0	0	%100
28	M21	Z	0	0	0	%100
29	M22	X	0	0	0	%100
30	M22	Z	0	0	0	%100
31	MP1A	X	-8.728	-8.728	0	%100
32	MP1A	Z	5.039	5.039	0	%100
33	MP2A	X	-8.728	-8.728	0	%100
34	MP2A	Z	5.039	5.039	0	%100
35	MP3A	X	-10.565	-10.565	0	%100
36	MP3A	Z	6.1	6.1	0	%100
37	MP4A	X	-8.728	-8.728	0	%100
38	MP4A	Z	5.039	5.039	0	%100
39	MP5A	X	-8.728	-8.728	0	%100
40	MP5A	Z	5.039	5.039	0	%100
41	MP1B	X	-8.728	-8.728	0	%100
42	MP1B	Z	5.039	5.039	0	%100
43	MP2B	X	-8.728	-8.728	0	%100
44	MP2B	Z	5.039	5.039	0	%100
45	MP3B	X	-10.565	-10.565	0	%100
46	MP3B	Z	6.1	6.1	0	%100
47	MP4B	X	-8.728	-8.728	0	%100
48	MP4B	Z	5.039	5.039	0	%100
49	MP5B	X	-8.728	-8.728	0	%100
50	MP5B	Z	5.039	5.039	0	%100
51	MP1C	X	-8.728	-8.728	0	%100
52	MP1C	Z	5.039	5.039	0	%100
53	MP2C	X	-8.728	-8.728	0	%100
54	MP2C	Z	5.039	5.039	0	%100
55	MP3C	X	-10.565	-10.565	0	%100
56	MP3C	Z	6.1	6.1	0	%100
57	MP4C	X	-8.728	-8.728	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
58	MP4C	Z	5.039	5.039	0 %100
59	MP5C	X	-8.728	-8.728	0 %100
60	MP5C	Z	5.039	5.039	0 %100
61	M52	X	-2.641	-2.641	0 %100
62	M52	Z	1.525	1.525	0 %100
63	M54	X	-2.641	-2.641	0 %100
64	M54	Z	1.525	1.525	0 %100
65	M55	X	-10.565	-10.565	0 %100
66	M55	Z	6.1	6.1	0 %100
67	M76	X	-13.038	-13.038	0 %100
68	M76	Z	7.527	7.527	0 %100
69	M77	X	-3.259	-3.259	0 %100
70	M77	Z	1.882	1.882	0 %100
71	M78	X	-3.259	-3.259	0 %100
72	M78	Z	1.882	1.882	0 %100
73	M79	X	-3.309	-3.309	0 %100
74	M79	Z	1.91	1.91	0 %100
75	M80	X	-13.038	-13.038	0 %100
76	M80	Z	7.527	7.527	0 %100
77	M81	X	-13.038	-13.038	0 %100
78	M81	Z	7.527	7.527	0 %100
79	M82	X	-3.309	-3.309	0 %100
80	M82	Z	1.91	1.91	0 %100
81	M83	X	-9.577	-9.577	0 %100
82	M83	Z	5.529	5.529	0 %100
83	M84	X	-9.577	-9.577	0 %100
84	M84	Z	5.529	5.529	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0 %100
2	M1	Z	0	0	0 %100
3	M2	X	0	0	0 %100
4	M2	Z	0	0	0 %100
5	M3	X	-4.45	-4.45	0 %100
6	M3	Z	0	0	0 %100
7	M23	X	-15.912	-15.912	0 %100
8	M23	Z	0	0	0 %100
9	M24	X	-15.912	-15.912	0 %100
10	M24	Z	0	0	0 %100
11	M25	X	-4.45	-4.45	0 %100
12	M25	Z	0	0	0 %100
13	M45	X	-15.912	-15.912	0 %100
14	M45	Z	0	0	0 %100
15	M46	X	-15.912	-15.912	0 %100
16	M46	Z	0	0	0 %100
17	M47	X	-17.798	-17.798	0 %100
18	M47	Z	0	0	0 %100
19	M13A	X	-12.023	-12.023	0 %100
20	M13A	Z	0	0	0 %100
21	M14	X	-14.026	-14.026	0 %100
22	M14	Z	0	0	0 %100
23	M17A	X	-3.006	-3.006	0 %100
24	M17A	Z	0	0	0 %100
25	M18	X	-3.507	-3.507	0 %100
26	M18	Z	0	0	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
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Member Distributed Loads (BLC 50 : Structure Wo (270 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
27	M21	X	-3.006	-3.006	0 %100
28	M21	Z	0	0	0 %100
29	M22	X	-3.507	-3.507	0 %100
30	M22	Z	0	0	0 %100
31	MP1A	X	-10.078	-10.078	0 %100
32	MP1A	Z	0	0	0 %100
33	MP2A	X	-10.078	-10.078	0 %100
34	MP2A	Z	0	0	0 %100
35	MP3A	X	-12.199	-12.199	0 %100
36	MP3A	Z	0	0	0 %100
37	MP4A	X	-10.078	-10.078	0 %100
38	MP4A	Z	0	0	0 %100
39	MP5A	X	-10.078	-10.078	0 %100
40	MP5A	Z	0	0	0 %100
41	MP1B	X	-10.078	-10.078	0 %100
42	MP1B	Z	0	0	0 %100
43	MP2B	X	-10.078	-10.078	0 %100
44	MP2B	Z	0	0	0 %100
45	MP3B	X	-12.199	-12.199	0 %100
46	MP3B	Z	0	0	0 %100
47	MP4B	X	-10.078	-10.078	0 %100
48	MP4B	Z	0	0	0 %100
49	MP5B	X	-10.078	-10.078	0 %100
50	MP5B	Z	0	0	0 %100
51	MP1C	X	-10.078	-10.078	0 %100
52	MP1C	Z	0	0	0 %100
53	MP2C	X	-10.078	-10.078	0 %100
54	MP2C	Z	0	0	0 %100
55	MP3C	X	-12.199	-12.199	0 %100
56	MP3C	Z	0	0	0 %100
57	MP4C	X	-10.078	-10.078	0 %100
58	MP4C	Z	0	0	0 %100
59	MP5C	X	-10.078	-10.078	0 %100
60	MP5C	Z	0	0	0 %100
61	M52	X	0	0	0 %100
62	M52	Z	0	0	0 %100
63	M54	X	-9.15	-9.15	0 %100
64	M54	Z	0	0	0 %100
65	M55	X	-9.15	-9.15	0 %100
66	M55	Z	0	0	0 %100
67	M76	X	-11.291	-11.291	0 %100
68	M76	Z	0	0	0 %100
69	M77	X	0	0	0 %100
70	M77	Z	0	0	0 %100
71	M78	X	-11.291	-11.291	0 %100
72	M78	Z	0	0	0 %100
73	M79	X	-8.897	-8.897	0 %100
74	M79	Z	0	0	0 %100
75	M80	X	-8.897	-8.897	0 %100
76	M80	Z	0	0	0 %100
77	M81	X	-16.135	-16.135	0 %100
78	M81	Z	0	0	0 %100
79	M82	X	-4.901	-4.901	0 %100
80	M82	Z	0	0	0 %100
81	M83	X	-4.901	-4.901	0 %100
82	M83	Z	0	0	0 %100
83	M84	X	-16.135	-16.135	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
84	M84	Z	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]	
1	M1	X	-4.593	-4.593	0	%100
2	M1	Z	-2.652	-2.652	0	%100
3	M2	X	-4.593	-4.593	0	%100
4	M2	Z	-2.652	-2.652	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M23	X	-18.374	-18.374	0	%100
8	M23	Z	-10.608	-10.608	0	%100
9	M24	X	-18.374	-18.374	0	%100
10	M24	Z	-10.608	-10.608	0	%100
11	M25	X	-11.56	-11.56	0	%100
12	M25	Z	-6.674	-6.674	0	%100
13	M45	X	-4.593	-4.593	0	%100
14	M45	Z	-2.652	-2.652	0	%100
15	M46	X	-4.593	-4.593	0	%100
16	M46	Z	-2.652	-2.652	0	%100
17	M47	X	-11.56	-11.56	0	%100
18	M47	Z	-6.674	-6.674	0	%100
19	M13A	X	-7.809	-7.809	0	%100
20	M13A	Z	-4.508	-4.508	0	%100
21	M14	X	-9.11	-9.11	0	%100
22	M14	Z	-5.26	-5.26	0	%100
23	M17A	X	0	0	0	%100
24	M17A	Z	0	0	0	%100
25	M18	X	0	0	0	%100
26	M18	Z	0	0	0	%100
27	M21	X	-7.809	-7.809	0	%100
28	M21	Z	-4.508	-4.508	0	%100
29	M22	X	-9.11	-9.11	0	%100
30	M22	Z	-5.26	-5.26	0	%100
31	MP1A	X	-8.728	-8.728	0	%100
32	MP1A	Z	-5.039	-5.039	0	%100
33	MP2A	X	-8.728	-8.728	0	%100
34	MP2A	Z	-5.039	-5.039	0	%100
35	MP3A	X	-10.565	-10.565	0	%100
36	MP3A	Z	-6.1	-6.1	0	%100
37	MP4A	X	-8.728	-8.728	0	%100
38	MP4A	Z	-5.039	-5.039	0	%100
39	MP5A	X	-8.728	-8.728	0	%100
40	MP5A	Z	-5.039	-5.039	0	%100
41	MP1B	X	-8.728	-8.728	0	%100
42	MP1B	Z	-5.039	-5.039	0	%100
43	MP2B	X	-8.728	-8.728	0	%100
44	MP2B	Z	-5.039	-5.039	0	%100
45	MP3B	X	-10.565	-10.565	0	%100
46	MP3B	Z	-6.1	-6.1	0	%100
47	MP4B	X	-8.728	-8.728	0	%100
48	MP4B	Z	-5.039	-5.039	0	%100
49	MP5B	X	-8.728	-8.728	0	%100
50	MP5B	Z	-5.039	-5.039	0	%100
51	MP1C	X	-8.728	-8.728	0	%100
52	MP1C	Z	-5.039	-5.039	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
53	MP2C	X	-8.728	-8.728	0 %100
54	MP2C	Z	-5.039	-5.039	0 %100
55	MP3C	X	-10.565	-10.565	0 %100
56	MP3C	Z	-6.1	-6.1	0 %100
57	MP4C	X	-8.728	-8.728	0 %100
58	MP4C	Z	-5.039	-5.039	0 %100
59	MP5C	X	-8.728	-8.728	0 %100
60	MP5C	Z	-5.039	-5.039	0 %100
61	M52	X	-2.641	-2.641	0 %100
62	M52	Z	-1.525	-1.525	0 %100
63	M54	X	-10.565	-10.565	0 %100
64	M54	Z	-6.1	-6.1	0 %100
65	M55	X	-2.641	-2.641	0 %100
66	M55	Z	-1.525	-1.525	0 %100
67	M76	X	-3.259	-3.259	0 %100
68	M76	Z	-1.882	-1.882	0 %100
69	M77	X	-3.259	-3.259	0 %100
70	M77	Z	-1.882	-1.882	0 %100
71	M78	X	-13.038	-13.038	0 %100
72	M78	Z	-7.527	-7.527	0 %100
73	M79	X	-13.038	-13.038	0 %100
74	M79	Z	-7.527	-7.527	0 %100
75	M80	X	-3.309	-3.309	0 %100
76	M80	Z	-1.91	-1.91	0 %100
77	M81	X	-9.577	-9.577	0 %100
78	M81	Z	-5.529	-5.529	0 %100
79	M82	X	-9.577	-9.577	0 %100
80	M82	Z	-5.529	-5.529	0 %100
81	M83	X	-3.309	-3.309	0 %100
82	M83	Z	-1.91	-1.91	0 %100
83	M84	X	-13.038	-13.038	0 %100
84	M84	Z	-7.527	-7.527	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-7.956	-7.956	0 %100
2	M1	Z	-13.78	-13.78	0 %100
3	M2	X	-7.956	-7.956	0 %100
4	M2	Z	-13.78	-13.78	0 %100
5	M3	X	-2.225	-2.225	0 %100
6	M3	Z	-3.853	-3.853	0 %100
7	M23	X	-7.956	-7.956	0 %100
8	M23	Z	-13.78	-13.78	0 %100
9	M24	X	-7.956	-7.956	0 %100
10	M24	Z	-13.78	-13.78	0 %100
11	M25	X	-8.899	-8.899	0 %100
12	M25	Z	-15.414	-15.414	0 %100
13	M45	X	0	0	0 %100
14	M45	Z	0	0	0 %100
15	M46	X	0	0	0 %100
16	M46	Z	0	0	0 %100
17	M47	X	-2.225	-2.225	0 %100
18	M47	Z	-3.853	-3.853	0 %100
19	M13A	X	-1.503	-1.503	0 %100
20	M13A	Z	-2.603	-2.603	0 %100
21	M14	X	-1.753	-1.753	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
22	M14	Z	-3.037	-3.037	0 %100
23	M17A	X	-1.503	-1.503	0 %100
24	M17A	Z	-2.603	-2.603	0 %100
25	M18	X	-1.753	-1.753	0 %100
26	M18	Z	-3.037	-3.037	0 %100
27	M21	X	-6.011	-6.011	0 %100
28	M21	Z	-10.412	-10.412	0 %100
29	M22	X	-7.013	-7.013	0 %100
30	M22	Z	-12.147	-12.147	0 %100
31	MP1A	X	-5.039	-5.039	0 %100
32	MP1A	Z	-8.728	-8.728	0 %100
33	MP2A	X	-5.039	-5.039	0 %100
34	MP2A	Z	-8.728	-8.728	0 %100
35	MP3A	X	-6.1	-6.1	0 %100
36	MP3A	Z	-10.565	-10.565	0 %100
37	MP4A	X	-5.039	-5.039	0 %100
38	MP4A	Z	-8.728	-8.728	0 %100
39	MP5A	X	-5.039	-5.039	0 %100
40	MP5A	Z	-8.728	-8.728	0 %100
41	MP1B	X	-5.039	-5.039	0 %100
42	MP1B	Z	-8.728	-8.728	0 %100
43	MP2B	X	-5.039	-5.039	0 %100
44	MP2B	Z	-8.728	-8.728	0 %100
45	MP3B	X	-6.1	-6.1	0 %100
46	MP3B	Z	-10.565	-10.565	0 %100
47	MP4B	X	-5.039	-5.039	0 %100
48	MP4B	Z	-8.728	-8.728	0 %100
49	MP5B	X	-5.039	-5.039	0 %100
50	MP5B	Z	-8.728	-8.728	0 %100
51	MP1C	X	-5.039	-5.039	0 %100
52	MP1C	Z	-8.728	-8.728	0 %100
53	MP2C	X	-5.039	-5.039	0 %100
54	MP2C	Z	-8.728	-8.728	0 %100
55	MP3C	X	-6.1	-6.1	0 %100
56	MP3C	Z	-10.565	-10.565	0 %100
57	MP4C	X	-5.039	-5.039	0 %100
58	MP4C	Z	-8.728	-8.728	0 %100
59	MP5C	X	-5.039	-5.039	0 %100
60	MP5C	Z	-8.728	-8.728	0 %100
61	M52	X	-4.575	-4.575	0 %100
62	M52	Z	-7.924	-7.924	0 %100
63	M54	X	-4.575	-4.575	0 %100
64	M54	Z	-7.924	-7.924	0 %100
65	M55	X	0	0	0 %100
66	M55	Z	0	0	0 %100
67	M76	X	0	0	0 %100
68	M76	Z	0	0	0 %100
69	M77	X	-5.645	-5.645	0 %100
70	M77	Z	-9.778	-9.778	0 %100
71	M78	X	-5.645	-5.645	0 %100
72	M78	Z	-9.778	-9.778	0 %100
73	M79	X	-8.067	-8.067	0 %100
74	M79	Z	-13.973	-13.973	0 %100
75	M80	X	-2.45	-2.45	0 %100
76	M80	Z	-4.244	-4.244	0 %100
77	M81	X	-2.45	-2.45	0 %100
78	M81	Z	-4.244	-4.244	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
79	M82	X	-8.067	-8.067	0 %100
80	M82	Z	-13.973	-13.973	0 %100
81	M83	X	-4.449	-4.449	0 %100
82	M83	Z	-7.705	-7.705	0 %100
83	M84	X	-4.449	-4.449	0 %100
84	M84	Z	-7.705	-7.705	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	%100
2	M1	Z	-6.636	-6.636	0 %100
3	M2	X	0	0	%100
4	M2	Z	-6.631	-6.631	0 %100
5	M3	X	0	0	%100
6	M3	Z	-4.047	-4.047	0 %100
7	M23	X	0	0	%100
8	M23	Z	-1.659	-1.659	0 %100
9	M24	X	0	0	%100
10	M24	Z	-1.658	-1.658	0 %100
11	M25	X	0	0	%100
12	M25	Z	-4.047	-4.047	0 %100
13	M45	X	0	0	%100
14	M45	Z	-1.659	-1.659	0 %100
15	M46	X	0	0	%100
16	M46	Z	-1.658	-1.658	0 %100
17	M47	X	0	0	%100
18	M47	Z	0	0	%100
19	M13A	X	0	0	%100
20	M13A	Z	0	0	%100
21	M14	X	0	0	%100
22	M14	Z	0	0	%100
23	M17A	X	0	0	%100
24	M17A	Z	-2.861	-2.861	0 %100
25	M18	X	0	0	%100
26	M18	Z	-3.293	-3.293	0 %100
27	M21	X	0	0	%100
28	M21	Z	-2.861	-2.861	0 %100
29	M22	X	0	0	%100
30	M22	Z	-3.293	-3.293	0 %100
31	MP1A	X	0	0	%100
32	MP1A	Z	-4.358	-4.358	0 %100
33	MP2A	X	0	0	%100
34	MP2A	Z	-4.358	-4.358	0 %100
35	MP3A	X	0	0	%100
36	MP3A	Z	-4.746	-4.746	0 %100
37	MP4A	X	0	0	%100
38	MP4A	Z	-4.358	-4.358	0 %100
39	MP5A	X	0	0	%100
40	MP5A	Z	-4.358	-4.358	0 %100
41	MP1B	X	0	0	%100
42	MP1B	Z	-4.358	-4.358	0 %100
43	MP2B	X	0	0	%100
44	MP2B	Z	-4.358	-4.358	0 %100
45	MP3B	X	0	0	%100
46	MP3B	Z	-4.746	-4.746	0 %100
47	MP4B	X	0	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
48	MP4B	Z	-4.358	-4.358	0 %100
49	MP5B	X	0	0	0 %100
50	MP5B	Z	-4.358	-4.358	0 %100
51	MP1C	X	0	0	0 %100
52	MP1C	Z	-4.358	-4.358	0 %100
53	MP2C	X	0	0	0 %100
54	MP2C	Z	-4.358	-4.358	0 %100
55	MP3C	X	0	0	0 %100
56	MP3C	Z	-4.746	-4.746	0 %100
57	MP4C	X	0	0	0 %100
58	MP4C	Z	-4.358	-4.358	0 %100
59	MP5C	X	0	0	0 %100
60	MP5C	Z	-4.358	-4.358	0 %100
61	M52	X	0	0	0 %100
62	M52	Z	-4.986	-4.986	0 %100
63	M54	X	0	0	0 %100
64	M54	Z	-1.247	-1.247	0 %100
65	M55	X	0	0	0 %100
66	M55	Z	-1.247	-1.247	0 %100
67	M76	X	0	0	0 %100
68	M76	Z	-1.14	-1.14	0 %100
69	M77	X	0	0	0 %100
70	M77	Z	-4.56	-4.56	0 %100
71	M78	X	0	0	0 %100
72	M78	Z	-1.14	-1.14	0 %100
73	M79	X	0	0	0 %100
74	M79	Z	-3.52	-3.52	0 %100
75	M80	X	0	0	0 %100
76	M80	Z	-3.52	-3.52	0 %100
77	M81	X	0	0	0 %100
78	M81	Z	-1.216	-1.216	0 %100
79	M82	X	0	0	0 %100
80	M82	Z	-4.792	-4.792	0 %100
81	M83	X	0	0	0 %100
82	M83	Z	-4.792	-4.792	0 %100
83	M84	X	0	0	0 %100
84	M84	Z	-1.216	-1.216	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	2.488	2.488	0 %100
2	M1	Z	-4.31	-4.31	0 %100
3	M2	X	2.486	2.486	0 %100
4	M2	Z	-4.307	-4.307	0 %100
5	M3	X	2.698	2.698	0 %100
6	M3	Z	-4.674	-4.674	0 %100
7	M23	X	0	0	0 %100
8	M23	Z	0	0	0 %100
9	M24	X	0	0	0 %100
10	M24	Z	0	0	0 %100
11	M25	X	.675	.675	0 %100
12	M25	Z	-1.168	-1.168	0 %100
13	M45	X	2.488	2.488	0 %100
14	M45	Z	-4.31	-4.31	0 %100
15	M46	X	2.486	2.486	0 %100
16	M46	Z	-4.307	-4.307	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
17	M47	X	.675	.675	0 %100
18	M47	Z	-1.168	-1.168	0 %100
19	M13A	X	.477	.477	0 %100
20	M13A	Z	-.826	-.826	0 %100
21	M14	X	.549	.549	0 %100
22	M14	Z	-.951	-.951	0 %100
23	M17A	X	1.908	1.908	0 %100
24	M17A	Z	-3.304	-3.304	0 %100
25	M18	X	2.195	2.195	0 %100
26	M18	Z	-3.802	-3.802	0 %100
27	M21	X	.477	.477	0 %100
28	M21	Z	-.826	-.826	0 %100
29	M22	X	.549	.549	0 %100
30	M22	Z	-.951	-.951	0 %100
31	MP1A	X	2.179	2.179	0 %100
32	MP1A	Z	-3.774	-3.774	0 %100
33	MP2A	X	2.179	2.179	0 %100
34	MP2A	Z	-3.774	-3.774	0 %100
35	MP3A	X	2.373	2.373	0 %100
36	MP3A	Z	-4.11	-4.11	0 %100
37	MP4A	X	2.179	2.179	0 %100
38	MP4A	Z	-3.774	-3.774	0 %100
39	MP5A	X	2.179	2.179	0 %100
40	MP5A	Z	-3.774	-3.774	0 %100
41	MP1B	X	2.179	2.179	0 %100
42	MP1B	Z	-3.774	-3.774	0 %100
43	MP2B	X	2.179	2.179	0 %100
44	MP2B	Z	-3.774	-3.774	0 %100
45	MP3B	X	2.373	2.373	0 %100
46	MP3B	Z	-4.11	-4.11	0 %100
47	MP4B	X	2.179	2.179	0 %100
48	MP4B	Z	-3.774	-3.774	0 %100
49	MP5B	X	2.179	2.179	0 %100
50	MP5B	Z	-3.774	-3.774	0 %100
51	MP1C	X	2.179	2.179	0 %100
52	MP1C	Z	-3.774	-3.774	0 %100
53	MP2C	X	2.179	2.179	0 %100
54	MP2C	Z	-3.774	-3.774	0 %100
55	MP3C	X	2.373	2.373	0 %100
56	MP3C	Z	-4.11	-4.11	0 %100
57	MP4C	X	2.179	2.179	0 %100
58	MP4C	Z	-3.774	-3.774	0 %100
59	MP5C	X	2.179	2.179	0 %100
60	MP5C	Z	-3.774	-3.774	0 %100
61	M52	X	1.87	1.87	0 %100
62	M52	Z	-3.239	-3.239	0 %100
63	M54	X	0	0	0 %100
64	M54	Z	0	0	0 %100
65	M55	X	1.87	1.87	0 %100
66	M55	Z	-3.239	-3.239	0 %100
67	M76	X	1.71	1.71	0 %100
68	M76	Z	-2.962	-2.962	0 %100
69	M77	X	1.71	1.71	0 %100
70	M77	Z	-2.962	-2.962	0 %100
71	M78	X	0	0	0 %100
72	M78	Z	0	0	0 %100
73	M79	X	.78	.78	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
74	M79	Z	-1.351	-1.351	0 %100
75	M80	X	2.568	2.568	0 %100
76	M80	Z	-4.447	-4.447	0 %100
77	M81	X	1.416	1.416	0 %100
78	M81	Z	-2.453	-2.453	0 %100
79	M82	X	1.416	1.416	0 %100
80	M82	Z	-2.453	-2.453	0 %100
81	M83	X	2.568	2.568	0 %100
82	M83	Z	-4.447	-4.447	0 %100
83	M84	X	.78	.78	0 %100
84	M84	Z	-1.351	-1.351	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.437	1.437	0 %100
2	M1	Z	-.829	-.829	0 %100
3	M2	X	1.436	1.436	0 %100
4	M2	Z	-.829	-.829	0 %100
5	M3	X	3.505	3.505	0 %100
6	M3	Z	-2.024	-2.024	0 %100
7	M23	X	1.437	1.437	0 %100
8	M23	Z	-.829	-.829	0 %100
9	M24	X	1.436	1.436	0 %100
10	M24	Z	-.829	-.829	0 %100
11	M25	X	0	0	0 %100
12	M25	Z	0	0	0 %100
13	M45	X	5.747	5.747	0 %100
14	M45	Z	-3.318	-3.318	0 %100
15	M46	X	5.742	5.742	0 %100
16	M46	Z	-3.315	-3.315	0 %100
17	M47	X	3.505	3.505	0 %100
18	M47	Z	-2.024	-2.024	0 %100
19	M13A	X	2.478	2.478	0 %100
20	M13A	Z	-1.431	-1.431	0 %100
21	M14	X	2.852	2.852	0 %100
22	M14	Z	-1.646	-1.646	0 %100
23	M17A	X	2.478	2.478	0 %100
24	M17A	Z	-1.431	-1.431	0 %100
25	M18	X	2.852	2.852	0 %100
26	M18	Z	-1.646	-1.646	0 %100
27	M21	X	0	0	0 %100
28	M21	Z	0	0	0 %100
29	M22	X	0	0	0 %100
30	M22	Z	0	0	0 %100
31	MP1A	X	3.774	3.774	0 %100
32	MP1A	Z	-2.179	-2.179	0 %100
33	MP2A	X	3.774	3.774	0 %100
34	MP2A	Z	-2.179	-2.179	0 %100
35	MP3A	X	4.11	4.11	0 %100
36	MP3A	Z	-2.373	-2.373	0 %100
37	MP4A	X	3.774	3.774	0 %100
38	MP4A	Z	-2.179	-2.179	0 %100
39	MP5A	X	3.774	3.774	0 %100
40	MP5A	Z	-2.179	-2.179	0 %100
41	MP1B	X	3.774	3.774	0 %100
42	MP1B	Z	-2.179	-2.179	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
43	MP2B	X	3.774	3.774	0 %100
44	MP2B	Z	-2.179	-2.179	0 %100
45	MP3B	X	4.11	4.11	0 %100
46	MP3B	Z	-2.373	-2.373	0 %100
47	MP4B	X	3.774	3.774	0 %100
48	MP4B	Z	-2.179	-2.179	0 %100
49	MP5B	X	3.774	3.774	0 %100
50	MP5B	Z	-2.179	-2.179	0 %100
51	MP1C	X	3.774	3.774	0 %100
52	MP1C	Z	-2.179	-2.179	0 %100
53	MP2C	X	3.774	3.774	0 %100
54	MP2C	Z	-2.179	-2.179	0 %100
55	MP3C	X	4.11	4.11	0 %100
56	MP3C	Z	-2.373	-2.373	0 %100
57	MP4C	X	3.774	3.774	0 %100
58	MP4C	Z	-2.179	-2.179	0 %100
59	MP5C	X	3.774	3.774	0 %100
60	MP5C	Z	-2.179	-2.179	0 %100
61	M52	X	1.08	1.08	0 %100
62	M52	Z	-.623	-.623	0 %100
63	M54	X	1.08	1.08	0 %100
64	M54	Z	-.623	-.623	0 %100
65	M55	X	4.318	4.318	0 %100
66	M55	Z	-2.493	-2.493	0 %100
67	M76	X	3.949	3.949	0 %100
68	M76	Z	-2.28	-2.28	0 %100
69	M77	X	.987	.987	0 %100
70	M77	Z	-.57	-.57	0 %100
71	M78	X	.987	.987	0 %100
72	M78	Z	-.57	-.57	0 %100
73	M79	X	1.053	1.053	0 %100
74	M79	Z	-.608	-.608	0 %100
75	M80	X	4.15	4.15	0 %100
76	M80	Z	-2.396	-2.396	0 %100
77	M81	X	4.15	4.15	0 %100
78	M81	Z	-2.396	-2.396	0 %100
79	M82	X	1.053	1.053	0 %100
80	M82	Z	-.608	-.608	0 %100
81	M83	X	3.048	3.048	0 %100
82	M83	Z	-1.76	-1.76	0 %100
83	M84	X	3.048	3.048	0 %100
84	M84	Z	-1.76	-1.76	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0 %100
2	M1	Z	0	0	0 %100
3	M2	X	0	0	0 %100
4	M2	Z	0	0	0 %100
5	M3	X	1.349	1.349	0 %100
6	M3	Z	0	0	0 %100
7	M23	X	4.977	4.977	0 %100
8	M23	Z	0	0	0 %100
9	M24	X	4.973	4.973	0 %100
10	M24	Z	0	0	0 %100
11	M25	X	1.349	1.349	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
12	M25	Z	0	0	%100
13	M45	X	4.977	4.977	%100
14	M45	Z	0	0	%100
15	M46	X	4.973	4.973	%100
16	M46	Z	0	0	%100
17	M47	X	5.397	5.397	%100
18	M47	Z	0	0	%100
19	M13A	X	3.815	3.815	%100
20	M13A	Z	0	0	%100
21	M14	X	4.39	4.39	%100
22	M14	Z	0	0	%100
23	M17A	X	.954	.954	%100
24	M17A	Z	0	0	%100
25	M18	X	1.098	1.098	%100
26	M18	Z	0	0	%100
27	M21	X	.954	.954	%100
28	M21	Z	0	0	%100
29	M22	X	1.098	1.098	%100
30	M22	Z	0	0	%100
31	MP1A	X	4.358	4.358	%100
32	MP1A	Z	0	0	%100
33	MP2A	X	4.358	4.358	%100
34	MP2A	Z	0	0	%100
35	MP3A	X	4.746	4.746	%100
36	MP3A	Z	0	0	%100
37	MP4A	X	4.358	4.358	%100
38	MP4A	Z	0	0	%100
39	MP5A	X	4.358	4.358	%100
40	MP5A	Z	0	0	%100
41	MP1B	X	4.358	4.358	%100
42	MP1B	Z	0	0	%100
43	MP2B	X	4.358	4.358	%100
44	MP2B	Z	0	0	%100
45	MP3B	X	4.746	4.746	%100
46	MP3B	Z	0	0	%100
47	MP4B	X	4.358	4.358	%100
48	MP4B	Z	0	0	%100
49	MP5B	X	4.358	4.358	%100
50	MP5B	Z	0	0	%100
51	MP1C	X	4.358	4.358	%100
52	MP1C	Z	0	0	%100
53	MP2C	X	4.358	4.358	%100
54	MP2C	Z	0	0	%100
55	MP3C	X	4.746	4.746	%100
56	MP3C	Z	0	0	%100
57	MP4C	X	4.358	4.358	%100
58	MP4C	Z	0	0	%100
59	MP5C	X	4.358	4.358	%100
60	MP5C	Z	0	0	%100
61	M52	X	0	0	%100
62	M52	Z	0	0	%100
63	M54	X	3.74	3.74	%100
64	M54	Z	0	0	%100
65	M55	X	3.74	3.74	%100
66	M55	Z	0	0	%100
67	M76	X	3.42	3.42	%100
68	M76	Z	0	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
69	M77	X	0	0	0	%100
70	M77	Z	0	0	0	%100
71	M78	X	3.42	3.42	0	%100
72	M78	Z	0	0	0	%100
73	M79	X	2.832	2.832	0	%100
74	M79	Z	0	0	0	%100
75	M80	X	2.832	2.832	0	%100
76	M80	Z	0	0	0	%100
77	M81	X	5.135	5.135	0	%100
78	M81	Z	0	0	0	%100
79	M82	X	1.56	1.56	0	%100
80	M82	Z	0	0	0	%100
81	M83	X	1.56	1.56	0	%100
82	M83	Z	0	0	0	%100
83	M84	X	5.135	5.135	0	%100
84	M84	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.437	1.437	0	%100
2	M1	Z	.829	.829	0	%100
3	M2	X	1.436	1.436	0	%100
4	M2	Z	.829	.829	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M23	X	5.747	5.747	0	%100
8	M23	Z	3.318	3.318	0	%100
9	M24	X	5.742	5.742	0	%100
10	M24	Z	3.315	3.315	0	%100
11	M25	X	3.505	3.505	0	%100
12	M25	Z	2.024	2.024	0	%100
13	M45	X	1.437	1.437	0	%100
14	M45	Z	.829	.829	0	%100
15	M46	X	1.436	1.436	0	%100
16	M46	Z	.829	.829	0	%100
17	M47	X	3.505	3.505	0	%100
18	M47	Z	2.024	2.024	0	%100
19	M13A	X	2.478	2.478	0	%100
20	M13A	Z	1.431	1.431	0	%100
21	M14	X	2.852	2.852	0	%100
22	M14	Z	1.646	1.646	0	%100
23	M17A	X	0	0	0	%100
24	M17A	Z	0	0	0	%100
25	M18	X	0	0	0	%100
26	M18	Z	0	0	0	%100
27	M21	X	2.478	2.478	0	%100
28	M21	Z	1.431	1.431	0	%100
29	M22	X	2.852	2.852	0	%100
30	M22	Z	1.646	1.646	0	%100
31	MP1A	X	3.774	3.774	0	%100
32	MP1A	Z	2.179	2.179	0	%100
33	MP2A	X	3.774	3.774	0	%100
34	MP2A	Z	2.179	2.179	0	%100
35	MP3A	X	4.11	4.11	0	%100
36	MP3A	Z	2.373	2.373	0	%100
37	MP4A	X	3.774	3.774	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
38	MP4A	Z	2.179	2.179	0	%100
39	MP5A	X	3.774	3.774	0	%100
40	MP5A	Z	2.179	2.179	0	%100
41	MP1B	X	3.774	3.774	0	%100
42	MP1B	Z	2.179	2.179	0	%100
43	MP2B	X	3.774	3.774	0	%100
44	MP2B	Z	2.179	2.179	0	%100
45	MP3B	X	4.11	4.11	0	%100
46	MP3B	Z	2.373	2.373	0	%100
47	MP4B	X	3.774	3.774	0	%100
48	MP4B	Z	2.179	2.179	0	%100
49	MP5B	X	3.774	3.774	0	%100
50	MP5B	Z	2.179	2.179	0	%100
51	MP1C	X	3.774	3.774	0	%100
52	MP1C	Z	2.179	2.179	0	%100
53	MP2C	X	3.774	3.774	0	%100
54	MP2C	Z	2.179	2.179	0	%100
55	MP3C	X	4.11	4.11	0	%100
56	MP3C	Z	2.373	2.373	0	%100
57	MP4C	X	3.774	3.774	0	%100
58	MP4C	Z	2.179	2.179	0	%100
59	MP5C	X	3.774	3.774	0	%100
60	MP5C	Z	2.179	2.179	0	%100
61	M52	X	1.08	1.08	0	%100
62	M52	Z	.623	.623	0	%100
63	M54	X	4.318	4.318	0	%100
64	M54	Z	2.493	2.493	0	%100
65	M55	X	1.08	1.08	0	%100
66	M55	Z	.623	.623	0	%100
67	M76	X	.987	.987	0	%100
68	M76	Z	.57	.57	0	%100
69	M77	X	.987	.987	0	%100
70	M77	Z	.57	.57	0	%100
71	M78	X	3.949	3.949	0	%100
72	M78	Z	2.28	2.28	0	%100
73	M79	X	4.15	4.15	0	%100
74	M79	Z	2.396	2.396	0	%100
75	M80	X	1.053	1.053	0	%100
76	M80	Z	.608	.608	0	%100
77	M81	X	3.048	3.048	0	%100
78	M81	Z	1.76	1.76	0	%100
79	M82	X	3.048	3.048	0	%100
80	M82	Z	1.76	1.76	0	%100
81	M83	X	1.053	1.053	0	%100
82	M83	Z	.608	.608	0	%100
83	M84	X	4.15	4.15	0	%100
84	M84	Z	2.396	2.396	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	2.488	2.488	0	%100
2	M1	Z	4.31	4.31	0	%100
3	M2	X	2.486	2.486	0	%100
4	M2	Z	4.307	4.307	0	%100
5	M3	X	.675	.675	0	%100
6	M3	Z	1.168	1.168	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
7	M23	X	2.488	2.488	0	%100
8	M23	Z	4.31	4.31	0	%100
9	M24	X	2.486	2.486	0	%100
10	M24	Z	4.307	4.307	0	%100
11	M25	X	2.698	2.698	0	%100
12	M25	Z	4.674	4.674	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M47	X	.675	.675	0	%100
18	M47	Z	1.168	1.168	0	%100
19	M13A	X	.477	.477	0	%100
20	M13A	Z	.826	.826	0	%100
21	M14	X	.549	.549	0	%100
22	M14	Z	.951	.951	0	%100
23	M17A	X	.477	.477	0	%100
24	M17A	Z	.826	.826	0	%100
25	M18	X	.549	.549	0	%100
26	M18	Z	.951	.951	0	%100
27	M21	X	1.908	1.908	0	%100
28	M21	Z	3.304	3.304	0	%100
29	M22	X	2.195	2.195	0	%100
30	M22	Z	3.802	3.802	0	%100
31	MP1A	X	2.179	2.179	0	%100
32	MP1A	Z	3.774	3.774	0	%100
33	MP2A	X	2.179	2.179	0	%100
34	MP2A	Z	3.774	3.774	0	%100
35	MP3A	X	2.373	2.373	0	%100
36	MP3A	Z	4.11	4.11	0	%100
37	MP4A	X	2.179	2.179	0	%100
38	MP4A	Z	3.774	3.774	0	%100
39	MP5A	X	2.179	2.179	0	%100
40	MP5A	Z	3.774	3.774	0	%100
41	MP1B	X	2.179	2.179	0	%100
42	MP1B	Z	3.774	3.774	0	%100
43	MP2B	X	2.179	2.179	0	%100
44	MP2B	Z	3.774	3.774	0	%100
45	MP3B	X	2.373	2.373	0	%100
46	MP3B	Z	4.11	4.11	0	%100
47	MP4B	X	2.179	2.179	0	%100
48	MP4B	Z	3.774	3.774	0	%100
49	MP5B	X	2.179	2.179	0	%100
50	MP5B	Z	3.774	3.774	0	%100
51	MP1C	X	2.179	2.179	0	%100
52	MP1C	Z	3.774	3.774	0	%100
53	MP2C	X	2.179	2.179	0	%100
54	MP2C	Z	3.774	3.774	0	%100
55	MP3C	X	2.373	2.373	0	%100
56	MP3C	Z	4.11	4.11	0	%100
57	MP4C	X	2.179	2.179	0	%100
58	MP4C	Z	3.774	3.774	0	%100
59	MP5C	X	2.179	2.179	0	%100
60	MP5C	Z	3.774	3.774	0	%100
61	M52	X	1.87	1.87	0	%100
62	M52	Z	3.239	3.239	0	%100
63	M54	X	1.87	1.87	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
64	M54	Z	3.239	3.239	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	0	0	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	0	0	0	%100
69	M77	X	1.71	1.71	0	%100
70	M77	Z	2.962	2.962	0	%100
71	M78	X	1.71	1.71	0	%100
72	M78	Z	2.962	2.962	0	%100
73	M79	X	2.568	2.568	0	%100
74	M79	Z	4.447	4.447	0	%100
75	M80	X	.78	.78	0	%100
76	M80	Z	1.351	1.351	0	%100
77	M81	X	.78	.78	0	%100
78	M81	Z	1.351	1.351	0	%100
79	M82	X	2.568	2.568	0	%100
80	M82	Z	4.447	4.447	0	%100
81	M83	X	1.416	1.416	0	%100
82	M83	Z	2.453	2.453	0	%100
83	M84	X	1.416	1.416	0	%100
84	M84	Z	2.453	2.453	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	6.636	6.636	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	6.631	6.631	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	4.047	4.047	0	%100
7	M23	X	0	0	0	%100
8	M23	Z	1.659	1.659	0	%100
9	M24	X	0	0	0	%100
10	M24	Z	1.658	1.658	0	%100
11	M25	X	0	0	0	%100
12	M25	Z	4.047	4.047	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	1.659	1.659	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	1.658	1.658	0	%100
17	M47	X	0	0	0	%100
18	M47	Z	0	0	0	%100
19	M13A	X	0	0	0	%100
20	M13A	Z	0	0	0	%100
21	M14	X	0	0	0	%100
22	M14	Z	0	0	0	%100
23	M17A	X	0	0	0	%100
24	M17A	Z	2.861	2.861	0	%100
25	M18	X	0	0	0	%100
26	M18	Z	3.293	3.293	0	%100
27	M21	X	0	0	0	%100
28	M21	Z	2.861	2.861	0	%100
29	M22	X	0	0	0	%100
30	M22	Z	3.293	3.293	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	4.358	4.358	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
33	MP2A	X	0	0	%100
34	MP2A	Z	4.358	4.358	%100
35	MP3A	X	0	0	%100
36	MP3A	Z	4.746	4.746	%100
37	MP4A	X	0	0	%100
38	MP4A	Z	4.358	4.358	%100
39	MP5A	X	0	0	%100
40	MP5A	Z	4.358	4.358	%100
41	MP1B	X	0	0	%100
42	MP1B	Z	4.358	4.358	%100
43	MP2B	X	0	0	%100
44	MP2B	Z	4.358	4.358	%100
45	MP3B	X	0	0	%100
46	MP3B	Z	4.746	4.746	%100
47	MP4B	X	0	0	%100
48	MP4B	Z	4.358	4.358	%100
49	MP5B	X	0	0	%100
50	MP5B	Z	4.358	4.358	%100
51	MP1C	X	0	0	%100
52	MP1C	Z	4.358	4.358	%100
53	MP2C	X	0	0	%100
54	MP2C	Z	4.358	4.358	%100
55	MP3C	X	0	0	%100
56	MP3C	Z	4.746	4.746	%100
57	MP4C	X	0	0	%100
58	MP4C	Z	4.358	4.358	%100
59	MP5C	X	0	0	%100
60	MP5C	Z	4.358	4.358	%100
61	M52	X	0	0	%100
62	M52	Z	4.986	4.986	%100
63	M54	X	0	0	%100
64	M54	Z	1.247	1.247	%100
65	M55	X	0	0	%100
66	M55	Z	1.247	1.247	%100
67	M76	X	0	0	%100
68	M76	Z	1.14	1.14	%100
69	M77	X	0	0	%100
70	M77	Z	4.56	4.56	%100
71	M78	X	0	0	%100
72	M78	Z	1.14	1.14	%100
73	M79	X	0	0	%100
74	M79	Z	3.52	3.52	%100
75	M80	X	0	0	%100
76	M80	Z	3.52	3.52	%100
77	M81	X	0	0	%100
78	M81	Z	1.216	1.216	%100
79	M82	X	0	0	%100
80	M82	Z	4.792	4.792	%100
81	M83	X	0	0	%100
82	M83	Z	4.792	4.792	%100
83	M84	X	0	0	%100
84	M84	Z	1.216	1.216	%100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-2.488	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
2	M1	Z	4.31	4.31	0 %100
3	M2	X	-2.486	-2.486	0 %100
4	M2	Z	4.307	4.307	0 %100
5	M3	X	-2.698	-2.698	0 %100
6	M3	Z	4.674	4.674	0 %100
7	M23	X	0	0	0 %100
8	M23	Z	0	0	0 %100
9	M24	X	0	0	0 %100
10	M24	Z	0	0	0 %100
11	M25	X	-.675	-.675	0 %100
12	M25	Z	1.168	1.168	0 %100
13	M45	X	-2.488	-2.488	0 %100
14	M45	Z	4.31	4.31	0 %100
15	M46	X	-2.486	-2.486	0 %100
16	M46	Z	4.307	4.307	0 %100
17	M47	X	-.675	-.675	0 %100
18	M47	Z	1.168	1.168	0 %100
19	M13A	X	-.477	-.477	0 %100
20	M13A	Z	.826	.826	0 %100
21	M14	X	-.549	-.549	0 %100
22	M14	Z	.951	.951	0 %100
23	M17A	X	-1.908	-1.908	0 %100
24	M17A	Z	3.304	3.304	0 %100
25	M18	X	-2.195	-2.195	0 %100
26	M18	Z	3.802	3.802	0 %100
27	M21	X	-.477	-.477	0 %100
28	M21	Z	.826	.826	0 %100
29	M22	X	-.549	-.549	0 %100
30	M22	Z	.951	.951	0 %100
31	MP1A	X	-2.179	-2.179	0 %100
32	MP1A	Z	3.774	3.774	0 %100
33	MP2A	X	-2.179	-2.179	0 %100
34	MP2A	Z	3.774	3.774	0 %100
35	MP3A	X	-2.373	-2.373	0 %100
36	MP3A	Z	4.11	4.11	0 %100
37	MP4A	X	-2.179	-2.179	0 %100
38	MP4A	Z	3.774	3.774	0 %100
39	MP5A	X	-2.179	-2.179	0 %100
40	MP5A	Z	3.774	3.774	0 %100
41	MP1B	X	-2.179	-2.179	0 %100
42	MP1B	Z	3.774	3.774	0 %100
43	MP2B	X	-2.179	-2.179	0 %100
44	MP2B	Z	3.774	3.774	0 %100
45	MP3B	X	-2.373	-2.373	0 %100
46	MP3B	Z	4.11	4.11	0 %100
47	MP4B	X	-2.179	-2.179	0 %100
48	MP4B	Z	3.774	3.774	0 %100
49	MP5B	X	-2.179	-2.179	0 %100
50	MP5B	Z	3.774	3.774	0 %100
51	MP1C	X	-2.179	-2.179	0 %100
52	MP1C	Z	3.774	3.774	0 %100
53	MP2C	X	-2.179	-2.179	0 %100
54	MP2C	Z	3.774	3.774	0 %100
55	MP3C	X	-2.373	-2.373	0 %100
56	MP3C	Z	4.11	4.11	0 %100
57	MP4C	X	-2.179	-2.179	0 %100
58	MP4C	Z	3.774	3.774	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
59	MP5C	X	-2.179	-2.179	0 %100
60	MP5C	Z	3.774	3.774	0 %100
61	M52	X	-1.87	-1.87	0 %100
62	M52	Z	3.239	3.239	0 %100
63	M54	X	0	0	0 %100
64	M54	Z	0	0	0 %100
65	M55	X	-1.87	-1.87	0 %100
66	M55	Z	3.239	3.239	0 %100
67	M76	X	-1.71	-1.71	0 %100
68	M76	Z	2.962	2.962	0 %100
69	M77	X	-1.71	-1.71	0 %100
70	M77	Z	2.962	2.962	0 %100
71	M78	X	0	0	0 %100
72	M78	Z	0	0	0 %100
73	M79	X	-.78	-.78	0 %100
74	M79	Z	1.351	1.351	0 %100
75	M80	X	-2.568	-2.568	0 %100
76	M80	Z	4.447	4.447	0 %100
77	M81	X	-1.416	-1.416	0 %100
78	M81	Z	2.453	2.453	0 %100
79	M82	X	-1.416	-1.416	0 %100
80	M82	Z	2.453	2.453	0 %100
81	M83	X	-2.568	-2.568	0 %100
82	M83	Z	4.447	4.447	0 %100
83	M84	X	-.78	-.78	0 %100
84	M84	Z	1.351	1.351	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.437	-1.437	0 %100
2	M1	Z	.829	.829	0 %100
3	M2	X	-1.436	-1.436	0 %100
4	M2	Z	.829	.829	0 %100
5	M3	X	-3.505	-3.505	0 %100
6	M3	Z	2.024	2.024	0 %100
7	M23	X	-1.437	-1.437	0 %100
8	M23	Z	.829	.829	0 %100
9	M24	X	-1.436	-1.436	0 %100
10	M24	Z	.829	.829	0 %100
11	M25	X	0	0	0 %100
12	M25	Z	0	0	0 %100
13	M45	X	-5.747	-5.747	0 %100
14	M45	Z	3.318	3.318	0 %100
15	M46	X	-5.742	-5.742	0 %100
16	M46	Z	3.315	3.315	0 %100
17	M47	X	-3.505	-3.505	0 %100
18	M47	Z	2.024	2.024	0 %100
19	M13A	X	-2.478	-2.478	0 %100
20	M13A	Z	1.431	1.431	0 %100
21	M14	X	-2.852	-2.852	0 %100
22	M14	Z	1.646	1.646	0 %100
23	M17A	X	-2.478	-2.478	0 %100
24	M17A	Z	1.431	1.431	0 %100
25	M18	X	-2.852	-2.852	0 %100
26	M18	Z	1.646	1.646	0 %100
27	M21	X	0	0	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
28	M21	Z	0	0	%100
29	M22	X	0	0	%100
30	M22	Z	0	0	%100
31	MP1A	X	-3.774	-3.774	%100
32	MP1A	Z	2.179	2.179	%100
33	MP2A	X	-3.774	-3.774	%100
34	MP2A	Z	2.179	2.179	%100
35	MP3A	X	-4.11	-4.11	%100
36	MP3A	Z	2.373	2.373	%100
37	MP4A	X	-3.774	-3.774	%100
38	MP4A	Z	2.179	2.179	%100
39	MP5A	X	-3.774	-3.774	%100
40	MP5A	Z	2.179	2.179	%100
41	MP1B	X	-3.774	-3.774	%100
42	MP1B	Z	2.179	2.179	%100
43	MP2B	X	-3.774	-3.774	%100
44	MP2B	Z	2.179	2.179	%100
45	MP3B	X	-4.11	-4.11	%100
46	MP3B	Z	2.373	2.373	%100
47	MP4B	X	-3.774	-3.774	%100
48	MP4B	Z	2.179	2.179	%100
49	MP5B	X	-3.774	-3.774	%100
50	MP5B	Z	2.179	2.179	%100
51	MP1C	X	-3.774	-3.774	%100
52	MP1C	Z	2.179	2.179	%100
53	MP2C	X	-3.774	-3.774	%100
54	MP2C	Z	2.179	2.179	%100
55	MP3C	X	-4.11	-4.11	%100
56	MP3C	Z	2.373	2.373	%100
57	MP4C	X	-3.774	-3.774	%100
58	MP4C	Z	2.179	2.179	%100
59	MP5C	X	-3.774	-3.774	%100
60	MP5C	Z	2.179	2.179	%100
61	M52	X	-1.08	-1.08	%100
62	M52	Z	.623	.623	%100
63	M54	X	-1.08	-1.08	%100
64	M54	Z	.623	.623	%100
65	M55	X	-4.318	-4.318	%100
66	M55	Z	2.493	2.493	%100
67	M76	X	-3.949	-3.949	%100
68	M76	Z	2.28	2.28	%100
69	M77	X	-.987	-.987	%100
70	M77	Z	.57	.57	%100
71	M78	X	-.987	-.987	%100
72	M78	Z	.57	.57	%100
73	M79	X	-1.053	-1.053	%100
74	M79	Z	.608	.608	%100
75	M80	X	-4.15	-4.15	%100
76	M80	Z	2.396	2.396	%100
77	M81	X	-4.15	-4.15	%100
78	M81	Z	2.396	2.396	%100
79	M82	X	-1.053	-1.053	%100
80	M82	Z	.608	.608	%100
81	M83	X	-3.048	-3.048	%100
82	M83	Z	1.76	1.76	%100
83	M84	X	-3.048	-3.048	%100
84	M84	Z	1.76	1.76	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]	
1	M1	X	0	0	%100	
2	M1	Z	0	0	%100	
3	M2	X	0	0	%100	
4	M2	Z	0	0	%100	
5	M3	X	-1.349	-1.349	0	%100
6	M3	Z	0	0	0	%100
7	M23	X	-4.977	-4.977	0	%100
8	M23	Z	0	0	0	%100
9	M24	X	-4.973	-4.973	0	%100
10	M24	Z	0	0	0	%100
11	M25	X	-1.349	-1.349	0	%100
12	M25	Z	0	0	0	%100
13	M45	X	-4.977	-4.977	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	-4.973	-4.973	0	%100
16	M46	Z	0	0	0	%100
17	M47	X	-5.397	-5.397	0	%100
18	M47	Z	0	0	0	%100
19	M13A	X	-3.815	-3.815	0	%100
20	M13A	Z	0	0	0	%100
21	M14	X	-4.39	-4.39	0	%100
22	M14	Z	0	0	0	%100
23	M17A	X	-.954	-.954	0	%100
24	M17A	Z	0	0	0	%100
25	M18	X	-1.098	-1.098	0	%100
26	M18	Z	0	0	0	%100
27	M21	X	-.954	-.954	0	%100
28	M21	Z	0	0	0	%100
29	M22	X	-1.098	-1.098	0	%100
30	M22	Z	0	0	0	%100
31	MP1A	X	-4.358	-4.358	0	%100
32	MP1A	Z	0	0	0	%100
33	MP2A	X	-4.358	-4.358	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	-4.746	-4.746	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	-4.358	-4.358	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	-4.358	-4.358	0	%100
40	MP5A	Z	0	0	0	%100
41	MP1B	X	-4.358	-4.358	0	%100
42	MP1B	Z	0	0	0	%100
43	MP2B	X	-4.358	-4.358	0	%100
44	MP2B	Z	0	0	0	%100
45	MP3B	X	-4.746	-4.746	0	%100
46	MP3B	Z	0	0	0	%100
47	MP4B	X	-4.358	-4.358	0	%100
48	MP4B	Z	0	0	0	%100
49	MP5B	X	-4.358	-4.358	0	%100
50	MP5B	Z	0	0	0	%100
51	MP1C	X	-4.358	-4.358	0	%100
52	MP1C	Z	0	0	0	%100
53	MP2C	X	-4.358	-4.358	0	%100
54	MP2C	Z	0	0	0	%100
55	MP3C	X	-4.746	-4.746	0	%100
56	MP3C	Z	0	0	0	%100
57	MP4C	X	-4.358	-4.358	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
58	MP4C	Z	0	0	%100
59	MP5C	X	-4.358	-4.358	%100
60	MP5C	Z	0	0	%100
61	M52	X	0	0	%100
62	M52	Z	0	0	%100
63	M54	X	-3.74	-3.74	%100
64	M54	Z	0	0	%100
65	M55	X	-3.74	-3.74	%100
66	M55	Z	0	0	%100
67	M76	X	-3.42	-3.42	%100
68	M76	Z	0	0	%100
69	M77	X	0	0	%100
70	M77	Z	0	0	%100
71	M78	X	-3.42	-3.42	%100
72	M78	Z	0	0	%100
73	M79	X	-2.832	-2.832	%100
74	M79	Z	0	0	%100
75	M80	X	-2.832	-2.832	%100
76	M80	Z	0	0	%100
77	M81	X	-5.135	-5.135	%100
78	M81	Z	0	0	%100
79	M82	X	-1.56	-1.56	%100
80	M82	Z	0	0	%100
81	M83	X	-1.56	-1.56	%100
82	M83	Z	0	0	%100
83	M84	X	-5.135	-5.135	%100
84	M84	Z	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-1.437	-1.437	%100
2	M1	Z	-.829	-.829	%100
3	M2	X	-1.436	-1.436	%100
4	M2	Z	-.829	-.829	%100
5	M3	X	0	0	%100
6	M3	Z	0	0	%100
7	M23	X	-5.747	-5.747	%100
8	M23	Z	-3.318	-3.318	%100
9	M24	X	-5.742	-5.742	%100
10	M24	Z	-3.315	-3.315	%100
11	M25	X	-3.505	-3.505	%100
12	M25	Z	-2.024	-2.024	%100
13	M45	X	-1.437	-1.437	%100
14	M45	Z	-.829	-.829	%100
15	M46	X	-1.436	-1.436	%100
16	M46	Z	-.829	-.829	%100
17	M47	X	-3.505	-3.505	%100
18	M47	Z	-2.024	-2.024	%100
19	M13A	X	-2.478	-2.478	%100
20	M13A	Z	-1.431	-1.431	%100
21	M14	X	-2.852	-2.852	%100
22	M14	Z	-1.646	-1.646	%100
23	M17A	X	0	0	%100
24	M17A	Z	0	0	%100
25	M18	X	0	0	%100
26	M18	Z	0	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
27	M21	X	-2.478	-2.478	0 %100
28	M21	Z	-1.431	-1.431	0 %100
29	M22	X	-2.852	-2.852	0 %100
30	M22	Z	-1.646	-1.646	0 %100
31	MP1A	X	-3.774	-3.774	0 %100
32	MP1A	Z	-2.179	-2.179	0 %100
33	MP2A	X	-3.774	-3.774	0 %100
34	MP2A	Z	-2.179	-2.179	0 %100
35	MP3A	X	-4.11	-4.11	0 %100
36	MP3A	Z	-2.373	-2.373	0 %100
37	MP4A	X	-3.774	-3.774	0 %100
38	MP4A	Z	-2.179	-2.179	0 %100
39	MP5A	X	-3.774	-3.774	0 %100
40	MP5A	Z	-2.179	-2.179	0 %100
41	MP1B	X	-3.774	-3.774	0 %100
42	MP1B	Z	-2.179	-2.179	0 %100
43	MP2B	X	-3.774	-3.774	0 %100
44	MP2B	Z	-2.179	-2.179	0 %100
45	MP3B	X	-4.11	-4.11	0 %100
46	MP3B	Z	-2.373	-2.373	0 %100
47	MP4B	X	-3.774	-3.774	0 %100
48	MP4B	Z	-2.179	-2.179	0 %100
49	MP5B	X	-3.774	-3.774	0 %100
50	MP5B	Z	-2.179	-2.179	0 %100
51	MP1C	X	-3.774	-3.774	0 %100
52	MP1C	Z	-2.179	-2.179	0 %100
53	MP2C	X	-3.774	-3.774	0 %100
54	MP2C	Z	-2.179	-2.179	0 %100
55	MP3C	X	-4.11	-4.11	0 %100
56	MP3C	Z	-2.373	-2.373	0 %100
57	MP4C	X	-3.774	-3.774	0 %100
58	MP4C	Z	-2.179	-2.179	0 %100
59	MP5C	X	-3.774	-3.774	0 %100
60	MP5C	Z	-2.179	-2.179	0 %100
61	M52	X	-1.08	-1.08	0 %100
62	M52	Z	-.623	-.623	0 %100
63	M54	X	-4.318	-4.318	0 %100
64	M54	Z	-2.493	-2.493	0 %100
65	M55	X	-1.08	-1.08	0 %100
66	M55	Z	-.623	-.623	0 %100
67	M76	X	-.987	-.987	0 %100
68	M76	Z	-.57	-.57	0 %100
69	M77	X	-.987	-.987	0 %100
70	M77	Z	-.57	-.57	0 %100
71	M78	X	-3.949	-3.949	0 %100
72	M78	Z	-2.28	-2.28	0 %100
73	M79	X	-4.15	-4.15	0 %100
74	M79	Z	-2.396	-2.396	0 %100
75	M80	X	-1.053	-1.053	0 %100
76	M80	Z	-.608	-.608	0 %100
77	M81	X	-3.048	-3.048	0 %100
78	M81	Z	-1.76	-1.76	0 %100
79	M82	X	-3.048	-3.048	0 %100
80	M82	Z	-1.76	-1.76	0 %100
81	M83	X	-1.053	-1.053	0 %100
82	M83	Z	-.608	-.608	0 %100
83	M84	X	-4.15	-4.15	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
84	M84	Z	-2.396	-2.396	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-2.488	-2.488	0 %100
2	M1	Z	-4.31	-4.31	0 %100
3	M2	X	-2.486	-2.486	0 %100
4	M2	Z	-4.307	-4.307	0 %100
5	M3	X	-.675	-.675	0 %100
6	M3	Z	-1.168	-1.168	0 %100
7	M23	X	-2.488	-2.488	0 %100
8	M23	Z	-4.31	-4.31	0 %100
9	M24	X	-2.486	-2.486	0 %100
10	M24	Z	-4.307	-4.307	0 %100
11	M25	X	-2.698	-2.698	0 %100
12	M25	Z	-4.674	-4.674	0 %100
13	M45	X	0	0	0 %100
14	M45	Z	0	0	0 %100
15	M46	X	0	0	0 %100
16	M46	Z	0	0	0 %100
17	M47	X	-.675	-.675	0 %100
18	M47	Z	-1.168	-1.168	0 %100
19	M13A	X	-.477	-.477	0 %100
20	M13A	Z	-.826	-.826	0 %100
21	M14	X	-.549	-.549	0 %100
22	M14	Z	-.951	-.951	0 %100
23	M17A	X	-.477	-.477	0 %100
24	M17A	Z	-.826	-.826	0 %100
25	M18	X	-.549	-.549	0 %100
26	M18	Z	-.951	-.951	0 %100
27	M21	X	-1.908	-1.908	0 %100
28	M21	Z	-3.304	-3.304	0 %100
29	M22	X	-2.195	-2.195	0 %100
30	M22	Z	-3.802	-3.802	0 %100
31	MP1A	X	-2.179	-2.179	0 %100
32	MP1A	Z	-3.774	-3.774	0 %100
33	MP2A	X	-2.179	-2.179	0 %100
34	MP2A	Z	-3.774	-3.774	0 %100
35	MP3A	X	-2.373	-2.373	0 %100
36	MP3A	Z	-4.11	-4.11	0 %100
37	MP4A	X	-2.179	-2.179	0 %100
38	MP4A	Z	-3.774	-3.774	0 %100
39	MP5A	X	-2.179	-2.179	0 %100
40	MP5A	Z	-3.774	-3.774	0 %100
41	MP1B	X	-2.179	-2.179	0 %100
42	MP1B	Z	-3.774	-3.774	0 %100
43	MP2B	X	-2.179	-2.179	0 %100
44	MP2B	Z	-3.774	-3.774	0 %100
45	MP3B	X	-2.373	-2.373	0 %100
46	MP3B	Z	-4.11	-4.11	0 %100
47	MP4B	X	-2.179	-2.179	0 %100
48	MP4B	Z	-3.774	-3.774	0 %100
49	MP5B	X	-2.179	-2.179	0 %100
50	MP5B	Z	-3.774	-3.774	0 %100
51	MP1C	X	-2.179	-2.179	0 %100
52	MP1C	Z	-3.774	-3.774	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
53	MP2C	X	-2.179	-2.179	0 %100
54	MP2C	Z	-3.774	-3.774	0 %100
55	MP3C	X	-2.373	-2.373	0 %100
56	MP3C	Z	-4.11	-4.11	0 %100
57	MP4C	X	-2.179	-2.179	0 %100
58	MP4C	Z	-3.774	-3.774	0 %100
59	MP5C	X	-2.179	-2.179	0 %100
60	MP5C	Z	-3.774	-3.774	0 %100
61	M52	X	-1.87	-1.87	0 %100
62	M52	Z	-3.239	-3.239	0 %100
63	M54	X	-1.87	-1.87	0 %100
64	M54	Z	-3.239	-3.239	0 %100
65	M55	X	0	0	0 %100
66	M55	Z	0	0	0 %100
67	M76	X	0	0	0 %100
68	M76	Z	0	0	0 %100
69	M77	X	-1.71	-1.71	0 %100
70	M77	Z	-2.962	-2.962	0 %100
71	M78	X	-1.71	-1.71	0 %100
72	M78	Z	-2.962	-2.962	0 %100
73	M79	X	-2.568	-2.568	0 %100
74	M79	Z	-4.447	-4.447	0 %100
75	M80	X	-.78	-.78	0 %100
76	M80	Z	-1.351	-1.351	0 %100
77	M81	X	-.78	-.78	0 %100
78	M81	Z	-1.351	-1.351	0 %100
79	M82	X	-2.568	-2.568	0 %100
80	M82	Z	-4.447	-4.447	0 %100
81	M83	X	-1.416	-1.416	0 %100
82	M83	Z	-2.453	-2.453	0 %100
83	M84	X	-1.416	-1.416	0 %100
84	M84	Z	-2.453	-2.453	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0 %100
2	M1	Z	-1.397	-1.397	0 %100
3	M2	X	0	0	0 %100
4	M2	Z	-1.397	-1.397	0 %100
5	M3	X	0	0	0 %100
6	M3	Z	-.879	-.879	0 %100
7	M23	X	0	0	0 %100
8	M23	Z	-.349	-.349	0 %100
9	M24	X	0	0	0 %100
10	M24	Z	-.349	-.349	0 %100
11	M25	X	0	0	0 %100
12	M25	Z	-.879	-.879	0 %100
13	M45	X	0	0	0 %100
14	M45	Z	-.349	-.349	0 %100
15	M46	X	0	0	0 %100
16	M46	Z	-.349	-.349	0 %100
17	M47	X	0	0	0 %100
18	M47	Z	0	0	0 %100
19	M13A	X	0	0	0 %100
20	M13A	Z	0	0	0 %100
21	M14	X	0	0	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
22	M14	Z	0	0	%100
23	M17A	X	0	0	%100
24	M17A	Z	-.594	-.594	0
25	M18	X	0	0	%100
26	M18	Z	-.693	-.693	0
27	M21	X	0	0	%100
28	M21	Z	-.594	-.594	0
29	M22	X	0	0	%100
30	M22	Z	-.693	-.693	0
31	MP1A	X	0	0	%100
32	MP1A	Z	-.664	-.664	0
33	MP2A	X	0	0	%100
34	MP2A	Z	-.664	-.664	0
35	MP3A	X	0	0	%100
36	MP3A	Z	-.803	-.803	0
37	MP4A	X	0	0	%100
38	MP4A	Z	-.664	-.664	0
39	MP5A	X	0	0	%100
40	MP5A	Z	-.664	-.664	0
41	MP1B	X	0	0	%100
42	MP1B	Z	-.664	-.664	0
43	MP2B	X	0	0	%100
44	MP2B	Z	-.664	-.664	0
45	MP3B	X	0	0	%100
46	MP3B	Z	-.803	-.803	0
47	MP4B	X	0	0	%100
48	MP4B	Z	-.664	-.664	0
49	MP5B	X	0	0	%100
50	MP5B	Z	-.664	-.664	0
51	MP1C	X	0	0	%100
52	MP1C	Z	-.664	-.664	0
53	MP2C	X	0	0	%100
54	MP2C	Z	-.664	-.664	0
55	MP3C	X	0	0	%100
56	MP3C	Z	-.803	-.803	0
57	MP4C	X	0	0	%100
58	MP4C	Z	-.664	-.664	0
59	MP5C	X	0	0	%100
60	MP5C	Z	-.664	-.664	0
61	M52	X	0	0	%100
62	M52	Z	-.803	-.803	0
63	M54	X	0	0	%100
64	M54	Z	-.201	-.201	0
65	M55	X	0	0	%100
66	M55	Z	-.201	-.201	0
67	M76	X	0	0	%100
68	M76	Z	-.248	-.248	0
69	M77	X	0	0	%100
70	M77	Z	-.992	-.992	0
71	M78	X	0	0	%100
72	M78	Z	-.248	-.248	0
73	M79	X	0	0	%100
74	M79	Z	-.728	-.728	0
75	M80	X	0	0	%100
76	M80	Z	-.728	-.728	0
77	M81	X	0	0	%100
78	M81	Z	-.252	-.252	0



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
79	M82	X	0	0	0	%100
80	M82	Z	-.992	-.992	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	-.992	-.992	0	%100
83	M84	X	0	0	0	%100
84	M84	Z	-.252	-.252	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.524	.524	0	%100
2	M1	Z	-.908	-.908	0	%100
3	M2	X	.524	.524	0	%100
4	M2	Z	-.908	-.908	0	%100
5	M3	X	.586	.586	0	%100
6	M3	Z	-1.015	-1.015	0	%100
7	M23	X	0	0	0	%100
8	M23	Z	0	0	0	%100
9	M24	X	0	0	0	%100
10	M24	Z	0	0	0	%100
11	M25	X	.147	.147	0	%100
12	M25	Z	-.254	-.254	0	%100
13	M45	X	.524	.524	0	%100
14	M45	Z	-.908	-.908	0	%100
15	M46	X	.524	.524	0	%100
16	M46	Z	-.908	-.908	0	%100
17	M47	X	.147	.147	0	%100
18	M47	Z	-.254	-.254	0	%100
19	M13A	X	.099	.099	0	%100
20	M13A	Z	-.171	-.171	0	%100
21	M14	X	.115	.115	0	%100
22	M14	Z	-.2	-.2	0	%100
23	M17A	X	.396	.396	0	%100
24	M17A	Z	-.686	-.686	0	%100
25	M18	X	.462	.462	0	%100
26	M18	Z	-.8	-.8	0	%100
27	M21	X	.099	.099	0	%100
28	M21	Z	-.171	-.171	0	%100
29	M22	X	.115	.115	0	%100
30	M22	Z	-.2	-.2	0	%100
31	MP1A	X	.332	.332	0	%100
32	MP1A	Z	-.575	-.575	0	%100
33	MP2A	X	.332	.332	0	%100
34	MP2A	Z	-.575	-.575	0	%100
35	MP3A	X	.402	.402	0	%100
36	MP3A	Z	-.696	-.696	0	%100
37	MP4A	X	.332	.332	0	%100
38	MP4A	Z	-.575	-.575	0	%100
39	MP5A	X	.332	.332	0	%100
40	MP5A	Z	-.575	-.575	0	%100
41	MP1B	X	.332	.332	0	%100
42	MP1B	Z	-.575	-.575	0	%100
43	MP2B	X	.332	.332	0	%100
44	MP2B	Z	-.575	-.575	0	%100
45	MP3B	X	.402	.402	0	%100
46	MP3B	Z	-.696	-.696	0	%100
47	MP4B	X	.332	.332	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
48	MP4B	Z	-.575	-.575	0 %100
49	MP5B	X	.332	.332	0 %100
50	MP5B	Z	-.575	-.575	0 %100
51	MP1C	X	.332	.332	0 %100
52	MP1C	Z	-.575	-.575	0 %100
53	MP2C	X	.332	.332	0 %100
54	MP2C	Z	-.575	-.575	0 %100
55	MP3C	X	.402	.402	0 %100
56	MP3C	Z	-.696	-.696	0 %100
57	MP4C	X	.332	.332	0 %100
58	MP4C	Z	-.575	-.575	0 %100
59	MP5C	X	.332	.332	0 %100
60	MP5C	Z	-.575	-.575	0 %100
61	M52	X	.301	.301	0 %100
62	M52	Z	-.522	-.522	0 %100
63	M54	X	0	0	0 %100
64	M54	Z	0	0	0 %100
65	M55	X	.301	.301	0 %100
66	M55	Z	-.522	-.522	0 %100
67	M76	X	.372	.372	0 %100
68	M76	Z	-.644	-.644	0 %100
69	M77	X	.372	.372	0 %100
70	M77	Z	-.644	-.644	0 %100
71	M78	X	0	0	0 %100
72	M78	Z	0	0	0 %100
73	M79	X	.161	.161	0 %100
74	M79	Z	-.28	-.28	0 %100
75	M80	X	.531	.531	0 %100
76	M80	Z	-.92	-.92	0 %100
77	M81	X	.293	.293	0 %100
78	M81	Z	-.508	-.508	0 %100
79	M82	X	.293	.293	0 %100
80	M82	Z	-.508	-.508	0 %100
81	M83	X	.531	.531	0 %100
82	M83	Z	-.92	-.92	0 %100
83	M84	X	.161	.161	0 %100
84	M84	Z	-.28	-.28	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.303	.303	0 %100
2	M1	Z	-.175	-.175	0 %100
3	M2	X	.303	.303	0 %100
4	M2	Z	-.175	-.175	0 %100
5	M3	X	.761	.761	0 %100
6	M3	Z	-.44	-.44	0 %100
7	M23	X	.303	.303	0 %100
8	M23	Z	-.175	-.175	0 %100
9	M24	X	.303	.303	0 %100
10	M24	Z	-.175	-.175	0 %100
11	M25	X	0	0	0 %100
12	M25	Z	0	0	0 %100
13	M45	X	1.21	1.21	0 %100
14	M45	Z	-.699	-.699	0 %100
15	M46	X	1.21	1.21	0 %100
16	M46	Z	-.699	-.699	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
17	M47	X	.761	.761	0 %100
18	M47	Z	-.44	-.44	0 %100
19	M13A	X	.514	.514	0 %100
20	M13A	Z	-.297	-.297	0 %100
21	M14	X	.6	.6	0 %100
22	M14	Z	-.346	-.346	0 %100
23	M17A	X	.514	.514	0 %100
24	M17A	Z	-.297	-.297	0 %100
25	M18	X	.6	.6	0 %100
26	M18	Z	-.346	-.346	0 %100
27	M21	X	0	0	0 %100
28	M21	Z	0	0	0 %100
29	M22	X	0	0	0 %100
30	M22	Z	0	0	0 %100
31	MP1A	X	.575	.575	0 %100
32	MP1A	Z	-.332	-.332	0 %100
33	MP2A	X	.575	.575	0 %100
34	MP2A	Z	-.332	-.332	0 %100
35	MP3A	X	.696	.696	0 %100
36	MP3A	Z	-.402	-.402	0 %100
37	MP4A	X	.575	.575	0 %100
38	MP4A	Z	-.332	-.332	0 %100
39	MP5A	X	.575	.575	0 %100
40	MP5A	Z	-.332	-.332	0 %100
41	MP1B	X	.575	.575	0 %100
42	MP1B	Z	-.332	-.332	0 %100
43	MP2B	X	.575	.575	0 %100
44	MP2B	Z	-.332	-.332	0 %100
45	MP3B	X	.696	.696	0 %100
46	MP3B	Z	-.402	-.402	0 %100
47	MP4B	X	.575	.575	0 %100
48	MP4B	Z	-.332	-.332	0 %100
49	MP5B	X	.575	.575	0 %100
50	MP5B	Z	-.332	-.332	0 %100
51	MP1C	X	.575	.575	0 %100
52	MP1C	Z	-.332	-.332	0 %100
53	MP2C	X	.575	.575	0 %100
54	MP2C	Z	-.332	-.332	0 %100
55	MP3C	X	.696	.696	0 %100
56	MP3C	Z	-.402	-.402	0 %100
57	MP4C	X	.575	.575	0 %100
58	MP4C	Z	-.332	-.332	0 %100
59	MP5C	X	.575	.575	0 %100
60	MP5C	Z	-.332	-.332	0 %100
61	M52	X	.174	.174	0 %100
62	M52	Z	-.1	-.1	0 %100
63	M54	X	.174	.174	0 %100
64	M54	Z	-.1	-.1	0 %100
65	M55	X	.696	.696	0 %100
66	M55	Z	-.402	-.402	0 %100
67	M76	X	.859	.859	0 %100
68	M76	Z	-.496	-.496	0 %100
69	M77	X	.215	.215	0 %100
70	M77	Z	-.124	-.124	0 %100
71	M78	X	.215	.215	0 %100
72	M78	Z	-.124	-.124	0 %100
73	M79	X	.218	.218	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
74	M79	Z	-.126	-.126	0	%100
75	M80	X	.859	.859	0	%100
76	M80	Z	-.496	-.496	0	%100
77	M81	X	.859	.859	0	%100
78	M81	Z	-.496	-.496	0	%100
79	M82	X	.218	.218	0	%100
80	M82	Z	-.126	-.126	0	%100
81	M83	X	.631	.631	0	%100
82	M83	Z	-.364	-.364	0	%100
83	M84	X	.631	.631	0	%100
84	M84	Z	-.364	-.364	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.293	.293	0	%100
6	M3	Z	0	0	0	%100
7	M23	X	1.048	1.048	0	%100
8	M23	Z	0	0	0	%100
9	M24	X	1.048	1.048	0	%100
10	M24	Z	0	0	0	%100
11	M25	X	.293	.293	0	%100
12	M25	Z	0	0	0	%100
13	M45	X	1.048	1.048	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	1.048	1.048	0	%100
16	M46	Z	0	0	0	%100
17	M47	X	1.172	1.172	0	%100
18	M47	Z	0	0	0	%100
19	M13A	X	.792	.792	0	%100
20	M13A	Z	0	0	0	%100
21	M14	X	.924	.924	0	%100
22	M14	Z	0	0	0	%100
23	M17A	X	.198	.198	0	%100
24	M17A	Z	0	0	0	%100
25	M18	X	.231	.231	0	%100
26	M18	Z	0	0	0	%100
27	M21	X	.198	.198	0	%100
28	M21	Z	0	0	0	%100
29	M22	X	.231	.231	0	%100
30	M22	Z	0	0	0	%100
31	MP1A	X	.664	.664	0	%100
32	MP1A	Z	0	0	0	%100
33	MP2A	X	.664	.664	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	.803	.803	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	.664	.664	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	.664	.664	0	%100
40	MP5A	Z	0	0	0	%100
41	MP1B	X	.664	.664	0	%100
42	MP1B	Z	0	0	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
43	MP2B	X	.664	.664	0 %100
44	MP2B	Z	0	0	%100
45	MP3B	X	.803	.803	0 %100
46	MP3B	Z	0	0	%100
47	MP4B	X	.664	.664	0 %100
48	MP4B	Z	0	0	%100
49	MP5B	X	.664	.664	0 %100
50	MP5B	Z	0	0	%100
51	MP1C	X	.664	.664	0 %100
52	MP1C	Z	0	0	%100
53	MP2C	X	.664	.664	0 %100
54	MP2C	Z	0	0	%100
55	MP3C	X	.803	.803	0 %100
56	MP3C	Z	0	0	%100
57	MP4C	X	.664	.664	0 %100
58	MP4C	Z	0	0	%100
59	MP5C	X	.664	.664	0 %100
60	MP5C	Z	0	0	%100
61	M52	X	0	0	%100
62	M52	Z	0	0	%100
63	M54	X	.603	.603	0 %100
64	M54	Z	0	0	%100
65	M55	X	.603	.603	0 %100
66	M55	Z	0	0	%100
67	M76	X	.744	.744	0 %100
68	M76	Z	0	0	%100
69	M77	X	0	0	%100
70	M77	Z	0	0	%100
71	M78	X	.744	.744	0 %100
72	M78	Z	0	0	%100
73	M79	X	.586	.586	0 %100
74	M79	Z	0	0	%100
75	M80	X	.586	.586	0 %100
76	M80	Z	0	0	%100
77	M81	X	1.063	1.063	0 %100
78	M81	Z	0	0	%100
79	M82	X	.323	.323	0 %100
80	M82	Z	0	0	%100
81	M83	X	.323	.323	0 %100
82	M83	Z	0	0	%100
83	M84	X	1.063	1.063	0 %100
84	M84	Z	0	0	%100

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg))

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.303	.303	0 %100
2	M1	Z	.175	.175	0 %100
3	M2	X	.303	.303	0 %100
4	M2	Z	.175	.175	0 %100
5	M3	X	0	0	%100
6	M3	Z	0	0	%100
7	M23	X	1.21	1.21	0 %100
8	M23	Z	.699	.699	0 %100
9	M24	X	1.21	1.21	0 %100
10	M24	Z	.699	.699	0 %100
11	M25	X	.761	.761	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
12	M25	Z	.44	.44	0 %100
13	M45	X	.303	.303	0 %100
14	M45	Z	.175	.175	0 %100
15	M46	X	.303	.303	0 %100
16	M46	Z	.175	.175	0 %100
17	M47	X	.761	.761	0 %100
18	M47	Z	.44	.44	0 %100
19	M13A	X	.514	.514	0 %100
20	M13A	Z	.297	.297	0 %100
21	M14	X	.6	.6	0 %100
22	M14	Z	.346	.346	0 %100
23	M17A	X	0	0	0 %100
24	M17A	Z	0	0	0 %100
25	M18	X	0	0	0 %100
26	M18	Z	0	0	0 %100
27	M21	X	.514	.514	0 %100
28	M21	Z	.297	.297	0 %100
29	M22	X	.6	.6	0 %100
30	M22	Z	.346	.346	0 %100
31	MP1A	X	.575	.575	0 %100
32	MP1A	Z	.332	.332	0 %100
33	MP2A	X	.575	.575	0 %100
34	MP2A	Z	.332	.332	0 %100
35	MP3A	X	.696	.696	0 %100
36	MP3A	Z	.402	.402	0 %100
37	MP4A	X	.575	.575	0 %100
38	MP4A	Z	.332	.332	0 %100
39	MP5A	X	.575	.575	0 %100
40	MP5A	Z	.332	.332	0 %100
41	MP1B	X	.575	.575	0 %100
42	MP1B	Z	.332	.332	0 %100
43	MP2B	X	.575	.575	0 %100
44	MP2B	Z	.332	.332	0 %100
45	MP3B	X	.696	.696	0 %100
46	MP3B	Z	.402	.402	0 %100
47	MP4B	X	.575	.575	0 %100
48	MP4B	Z	.332	.332	0 %100
49	MP5B	X	.575	.575	0 %100
50	MP5B	Z	.332	.332	0 %100
51	MP1C	X	.575	.575	0 %100
52	MP1C	Z	.332	.332	0 %100
53	MP2C	X	.575	.575	0 %100
54	MP2C	Z	.332	.332	0 %100
55	MP3C	X	.696	.696	0 %100
56	MP3C	Z	.402	.402	0 %100
57	MP4C	X	.575	.575	0 %100
58	MP4C	Z	.332	.332	0 %100
59	MP5C	X	.575	.575	0 %100
60	MP5C	Z	.332	.332	0 %100
61	M52	X	.174	.174	0 %100
62	M52	Z	.1	.1	0 %100
63	M54	X	.696	.696	0 %100
64	M54	Z	.402	.402	0 %100
65	M55	X	.174	.174	0 %100
66	M55	Z	.1	.1	0 %100
67	M76	X	.215	.215	0 %100
68	M76	Z	.124	.124	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
69	M77	X	.215	.215	0	%100
70	M77	Z	.124	.124	0	%100
71	M78	X	.859	.859	0	%100
72	M78	Z	.496	.496	0	%100
73	M79	X	.859	.859	0	%100
74	M79	Z	.496	.496	0	%100
75	M80	X	.218	.218	0	%100
76	M80	Z	.126	.126	0	%100
77	M81	X	.631	.631	0	%100
78	M81	Z	.364	.364	0	%100
79	M82	X	.631	.631	0	%100
80	M82	Z	.364	.364	0	%100
81	M83	X	.218	.218	0	%100
82	M83	Z	.126	.126	0	%100
83	M84	X	.859	.859	0	%100
84	M84	Z	.496	.496	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.524	.524	0	%100
2	M1	Z	.908	.908	0	%100
3	M2	X	.524	.524	0	%100
4	M2	Z	.908	.908	0	%100
5	M3	X	.147	.147	0	%100
6	M3	Z	.254	.254	0	%100
7	M23	X	.524	.524	0	%100
8	M23	Z	.908	.908	0	%100
9	M24	X	.524	.524	0	%100
10	M24	Z	.908	.908	0	%100
11	M25	X	.586	.586	0	%100
12	M25	Z	1.015	1.015	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M47	X	.147	.147	0	%100
18	M47	Z	.254	.254	0	%100
19	M13A	X	.099	.099	0	%100
20	M13A	Z	.171	.171	0	%100
21	M14	X	.115	.115	0	%100
22	M14	Z	.2	.2	0	%100
23	M17A	X	.099	.099	0	%100
24	M17A	Z	.171	.171	0	%100
25	M18	X	.115	.115	0	%100
26	M18	Z	.2	.2	0	%100
27	M21	X	.396	.396	0	%100
28	M21	Z	.686	.686	0	%100
29	M22	X	.462	.462	0	%100
30	M22	Z	.8	.8	0	%100
31	MP1A	X	.332	.332	0	%100
32	MP1A	Z	.575	.575	0	%100
33	MP2A	X	.332	.332	0	%100
34	MP2A	Z	.575	.575	0	%100
35	MP3A	X	.402	.402	0	%100
36	MP3A	Z	.696	.696	0	%100
37	MP4A	X	.332	.332	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
38	MP4A	Z	.575	.575	0	%100
39	MP5A	X	.332	.332	0	%100
40	MP5A	Z	.575	.575	0	%100
41	MP1B	X	.332	.332	0	%100
42	MP1B	Z	.575	.575	0	%100
43	MP2B	X	.332	.332	0	%100
44	MP2B	Z	.575	.575	0	%100
45	MP3B	X	.402	.402	0	%100
46	MP3B	Z	.696	.696	0	%100
47	MP4B	X	.332	.332	0	%100
48	MP4B	Z	.575	.575	0	%100
49	MP5B	X	.332	.332	0	%100
50	MP5B	Z	.575	.575	0	%100
51	MP1C	X	.332	.332	0	%100
52	MP1C	Z	.575	.575	0	%100
53	MP2C	X	.332	.332	0	%100
54	MP2C	Z	.575	.575	0	%100
55	MP3C	X	.402	.402	0	%100
56	MP3C	Z	.696	.696	0	%100
57	MP4C	X	.332	.332	0	%100
58	MP4C	Z	.575	.575	0	%100
59	MP5C	X	.332	.332	0	%100
60	MP5C	Z	.575	.575	0	%100
61	M52	X	.301	.301	0	%100
62	M52	Z	.522	.522	0	%100
63	M54	X	.301	.301	0	%100
64	M54	Z	.522	.522	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	0	0	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	0	0	0	%100
69	M77	X	.372	.372	0	%100
70	M77	Z	.644	.644	0	%100
71	M78	X	.372	.372	0	%100
72	M78	Z	.644	.644	0	%100
73	M79	X	.531	.531	0	%100
74	M79	Z	.92	.92	0	%100
75	M80	X	.161	.161	0	%100
76	M80	Z	.28	.28	0	%100
77	M81	X	.161	.161	0	%100
78	M81	Z	.28	.28	0	%100
79	M82	X	.531	.531	0	%100
80	M82	Z	.92	.92	0	%100
81	M83	X	.293	.293	0	%100
82	M83	Z	.508	.508	0	%100
83	M84	X	.293	.293	0	%100
84	M84	Z	.508	.508	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	1.397	1.397	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	1.397	1.397	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.879	.879	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
7	M23	X	0	0	0	%100
8	M23	Z	.349	.349	0	%100
9	M24	X	0	0	0	%100
10	M24	Z	.349	.349	0	%100
11	M25	X	0	0	0	%100
12	M25	Z	.879	.879	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	.349	.349	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	.349	.349	0	%100
17	M47	X	0	0	0	%100
18	M47	Z	0	0	0	%100
19	M13A	X	0	0	0	%100
20	M13A	Z	0	0	0	%100
21	M14	X	0	0	0	%100
22	M14	Z	0	0	0	%100
23	M17A	X	0	0	0	%100
24	M17A	Z	.594	.594	0	%100
25	M18	X	0	0	0	%100
26	M18	Z	.693	.693	0	%100
27	M21	X	0	0	0	%100
28	M21	Z	.594	.594	0	%100
29	M22	X	0	0	0	%100
30	M22	Z	.693	.693	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	.664	.664	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	.664	.664	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	.803	.803	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	.664	.664	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	.664	.664	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	.664	.664	0	%100
43	MP2B	X	0	0	0	%100
44	MP2B	Z	.664	.664	0	%100
45	MP3B	X	0	0	0	%100
46	MP3B	Z	.803	.803	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	.664	.664	0	%100
49	MP5B	X	0	0	0	%100
50	MP5B	Z	.664	.664	0	%100
51	MP1C	X	0	0	0	%100
52	MP1C	Z	.664	.664	0	%100
53	MP2C	X	0	0	0	%100
54	MP2C	Z	.664	.664	0	%100
55	MP3C	X	0	0	0	%100
56	MP3C	Z	.803	.803	0	%100
57	MP4C	X	0	0	0	%100
58	MP4C	Z	.664	.664	0	%100
59	MP5C	X	0	0	0	%100
60	MP5C	Z	.664	.664	0	%100
61	M52	X	0	0	0	%100
62	M52	Z	.803	.803	0	%100
63	M54	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft.%]	End Location[ft.%]
64	M54	Z	.201	.201	0	%100
65	M55	X	0	0	0	%100
66	M55	Z	.201	.201	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	.248	.248	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	.992	.992	0	%100
71	M78	X	0	0	0	%100
72	M78	Z	.248	.248	0	%100
73	M79	X	0	0	0	%100
74	M79	Z	.728	.728	0	%100
75	M80	X	0	0	0	%100
76	M80	Z	.728	.728	0	%100
77	M81	X	0	0	0	%100
78	M81	Z	.252	.252	0	%100
79	M82	X	0	0	0	%100
80	M82	Z	.992	.992	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	.992	.992	0	%100
83	M84	X	0	0	0	%100
84	M84	Z	.252	.252	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.524	-.524	0	%100
2	M1	Z	.908	.908	0	%100
3	M2	X	-.524	-.524	0	%100
4	M2	Z	.908	.908	0	%100
5	M3	X	-.586	-.586	0	%100
6	M3	Z	1.015	1.015	0	%100
7	M23	X	0	0	0	%100
8	M23	Z	0	0	0	%100
9	M24	X	0	0	0	%100
10	M24	Z	0	0	0	%100
11	M25	X	-.147	-.147	0	%100
12	M25	Z	.254	.254	0	%100
13	M45	X	-.524	-.524	0	%100
14	M45	Z	.908	.908	0	%100
15	M46	X	-.524	-.524	0	%100
16	M46	Z	.908	.908	0	%100
17	M47	X	-.147	-.147	0	%100
18	M47	Z	.254	.254	0	%100
19	M13A	X	-.099	-.099	0	%100
20	M13A	Z	.171	.171	0	%100
21	M14	X	-.115	-.115	0	%100
22	M14	Z	.2	.2	0	%100
23	M17A	X	-.396	-.396	0	%100
24	M17A	Z	.686	.686	0	%100
25	M18	X	-.462	-.462	0	%100
26	M18	Z	.8	.8	0	%100
27	M21	X	-.099	-.099	0	%100
28	M21	Z	.171	.171	0	%100
29	M22	X	-.115	-.115	0	%100
30	M22	Z	.2	.2	0	%100
31	MP1A	X	-.332	-.332	0	%100
32	MP1A	Z	.575	.575	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
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Member Distributed Loads (BLC 72 : Structure Wm (210 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
33	MP2A	X	-.332	-.332	0 %100
34	MP2A	Z	.575	.575	0 %100
35	MP3A	X	-.402	-.402	0 %100
36	MP3A	Z	.696	.696	0 %100
37	MP4A	X	-.332	-.332	0 %100
38	MP4A	Z	.575	.575	0 %100
39	MP5A	X	-.332	-.332	0 %100
40	MP5A	Z	.575	.575	0 %100
41	MP1B	X	-.332	-.332	0 %100
42	MP1B	Z	.575	.575	0 %100
43	MP2B	X	-.332	-.332	0 %100
44	MP2B	Z	.575	.575	0 %100
45	MP3B	X	-.402	-.402	0 %100
46	MP3B	Z	.696	.696	0 %100
47	MP4B	X	-.332	-.332	0 %100
48	MP4B	Z	.575	.575	0 %100
49	MP5B	X	-.332	-.332	0 %100
50	MP5B	Z	.575	.575	0 %100
51	MP1C	X	-.332	-.332	0 %100
52	MP1C	Z	.575	.575	0 %100
53	MP2C	X	-.332	-.332	0 %100
54	MP2C	Z	.575	.575	0 %100
55	MP3C	X	-.402	-.402	0 %100
56	MP3C	Z	.696	.696	0 %100
57	MP4C	X	-.332	-.332	0 %100
58	MP4C	Z	.575	.575	0 %100
59	MP5C	X	-.332	-.332	0 %100
60	MP5C	Z	.575	.575	0 %100
61	M52	X	-.301	-.301	0 %100
62	M52	Z	.522	.522	0 %100
63	M54	X	0	0	0 %100
64	M54	Z	0	0	0 %100
65	M55	X	-.301	-.301	0 %100
66	M55	Z	.522	.522	0 %100
67	M76	X	-.372	-.372	0 %100
68	M76	Z	.644	.644	0 %100
69	M77	X	-.372	-.372	0 %100
70	M77	Z	.644	.644	0 %100
71	M78	X	0	0	0 %100
72	M78	Z	0	0	0 %100
73	M79	X	-.161	-.161	0 %100
74	M79	Z	.28	.28	0 %100
75	M80	X	-.531	-.531	0 %100
76	M80	Z	.92	.92	0 %100
77	M81	X	-.293	-.293	0 %100
78	M81	Z	.508	.508	0 %100
79	M82	X	-.293	-.293	0 %100
80	M82	Z	.508	.508	0 %100
81	M83	X	-.531	-.531	0 %100
82	M83	Z	.92	.92	0 %100
83	M84	X	-.161	-.161	0 %100
84	M84	Z	.28	.28	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.303	-.303	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
2	M1	Z	.175	.175	0 %100
3	M2	X	-.303	-.303	0 %100
4	M2	Z	.175	.175	0 %100
5	M3	X	-.761	-.761	0 %100
6	M3	Z	.44	.44	0 %100
7	M23	X	-.303	-.303	0 %100
8	M23	Z	.175	.175	0 %100
9	M24	X	-.303	-.303	0 %100
10	M24	Z	.175	.175	0 %100
11	M25	X	0	0	0 %100
12	M25	Z	0	0	0 %100
13	M45	X	-1.21	-1.21	0 %100
14	M45	Z	.699	.699	0 %100
15	M46	X	-1.21	-1.21	0 %100
16	M46	Z	.699	.699	0 %100
17	M47	X	-.761	-.761	0 %100
18	M47	Z	.44	.44	0 %100
19	M13A	X	-.514	-.514	0 %100
20	M13A	Z	.297	.297	0 %100
21	M14	X	-.6	-.6	0 %100
22	M14	Z	.346	.346	0 %100
23	M17A	X	-.514	-.514	0 %100
24	M17A	Z	.297	.297	0 %100
25	M18	X	-.6	-.6	0 %100
26	M18	Z	.346	.346	0 %100
27	M21	X	0	0	0 %100
28	M21	Z	0	0	0 %100
29	M22	X	0	0	0 %100
30	M22	Z	0	0	0 %100
31	MP1A	X	-.575	-.575	0 %100
32	MP1A	Z	.332	.332	0 %100
33	MP2A	X	-.575	-.575	0 %100
34	MP2A	Z	.332	.332	0 %100
35	MP3A	X	-.696	-.696	0 %100
36	MP3A	Z	.402	.402	0 %100
37	MP4A	X	-.575	-.575	0 %100
38	MP4A	Z	.332	.332	0 %100
39	MP5A	X	-.575	-.575	0 %100
40	MP5A	Z	.332	.332	0 %100
41	MP1B	X	-.575	-.575	0 %100
42	MP1B	Z	.332	.332	0 %100
43	MP2B	X	-.575	-.575	0 %100
44	MP2B	Z	.332	.332	0 %100
45	MP3B	X	-.696	-.696	0 %100
46	MP3B	Z	.402	.402	0 %100
47	MP4B	X	-.575	-.575	0 %100
48	MP4B	Z	.332	.332	0 %100
49	MP5B	X	-.575	-.575	0 %100
50	MP5B	Z	.332	.332	0 %100
51	MP1C	X	-.575	-.575	0 %100
52	MP1C	Z	.332	.332	0 %100
53	MP2C	X	-.575	-.575	0 %100
54	MP2C	Z	.332	.332	0 %100
55	MP3C	X	-.696	-.696	0 %100
56	MP3C	Z	.402	.402	0 %100
57	MP4C	X	-.575	-.575	0 %100
58	MP4C	Z	.332	.332	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
59	MP5C	X	-.575	-.575	0 %100
60	MP5C	Z	.332	.332	0 %100
61	M52	X	-.174	-.174	0 %100
62	M52	Z	.1	.1	0 %100
63	M54	X	-.174	-.174	0 %100
64	M54	Z	.1	.1	0 %100
65	M55	X	-.696	-.696	0 %100
66	M55	Z	.402	.402	0 %100
67	M76	X	-.859	-.859	0 %100
68	M76	Z	.496	.496	0 %100
69	M77	X	-.215	-.215	0 %100
70	M77	Z	.124	.124	0 %100
71	M78	X	-.215	-.215	0 %100
72	M78	Z	.124	.124	0 %100
73	M79	X	-.218	-.218	0 %100
74	M79	Z	.126	.126	0 %100
75	M80	X	-.859	-.859	0 %100
76	M80	Z	.496	.496	0 %100
77	M81	X	-.859	-.859	0 %100
78	M81	Z	.496	.496	0 %100
79	M82	X	-.218	-.218	0 %100
80	M82	Z	.126	.126	0 %100
81	M83	X	-.631	-.631	0 %100
82	M83	Z	.364	.364	0 %100
83	M84	X	-.631	-.631	0 %100
84	M84	Z	.364	.364	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0 %100
2	M1	Z	0	0	0 %100
3	M2	X	0	0	0 %100
4	M2	Z	0	0	0 %100
5	M3	X	-.293	-.293	0 %100
6	M3	Z	0	0	0 %100
7	M23	X	-1.048	-1.048	0 %100
8	M23	Z	0	0	0 %100
9	M24	X	-1.048	-1.048	0 %100
10	M24	Z	0	0	0 %100
11	M25	X	-.293	-.293	0 %100
12	M25	Z	0	0	0 %100
13	M45	X	-1.048	-1.048	0 %100
14	M45	Z	0	0	0 %100
15	M46	X	-1.048	-1.048	0 %100
16	M46	Z	0	0	0 %100
17	M47	X	-1.172	-1.172	0 %100
18	M47	Z	0	0	0 %100
19	M13A	X	-.792	-.792	0 %100
20	M13A	Z	0	0	0 %100
21	M14	X	-.924	-.924	0 %100
22	M14	Z	0	0	0 %100
23	M17A	X	-.198	-.198	0 %100
24	M17A	Z	0	0	0 %100
25	M18	X	-.231	-.231	0 %100
26	M18	Z	0	0	0 %100
27	M21	X	-.198	-.198	0 %100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
28	M21	Z	0	0	%100
29	M22	X	-.231	-.231	%100
30	M22	Z	0	0	%100
31	MP1A	X	-.664	-.664	%100
32	MP1A	Z	0	0	%100
33	MP2A	X	-.664	-.664	%100
34	MP2A	Z	0	0	%100
35	MP3A	X	-.803	-.803	%100
36	MP3A	Z	0	0	%100
37	MP4A	X	-.664	-.664	%100
38	MP4A	Z	0	0	%100
39	MP5A	X	-.664	-.664	%100
40	MP5A	Z	0	0	%100
41	MP1B	X	-.664	-.664	%100
42	MP1B	Z	0	0	%100
43	MP2B	X	-.664	-.664	%100
44	MP2B	Z	0	0	%100
45	MP3B	X	-.803	-.803	%100
46	MP3B	Z	0	0	%100
47	MP4B	X	-.664	-.664	%100
48	MP4B	Z	0	0	%100
49	MP5B	X	-.664	-.664	%100
50	MP5B	Z	0	0	%100
51	MP1C	X	-.664	-.664	%100
52	MP1C	Z	0	0	%100
53	MP2C	X	-.664	-.664	%100
54	MP2C	Z	0	0	%100
55	MP3C	X	-.803	-.803	%100
56	MP3C	Z	0	0	%100
57	MP4C	X	-.664	-.664	%100
58	MP4C	Z	0	0	%100
59	MP5C	X	-.664	-.664	%100
60	MP5C	Z	0	0	%100
61	M52	X	0	0	%100
62	M52	Z	0	0	%100
63	M54	X	-.603	-.603	%100
64	M54	Z	0	0	%100
65	M55	X	-.603	-.603	%100
66	M55	Z	0	0	%100
67	M76	X	-.744	-.744	%100
68	M76	Z	0	0	%100
69	M77	X	0	0	%100
70	M77	Z	0	0	%100
71	M78	X	-.744	-.744	%100
72	M78	Z	0	0	%100
73	M79	X	-.586	-.586	%100
74	M79	Z	0	0	%100
75	M80	X	-.586	-.586	%100
76	M80	Z	0	0	%100
77	M81	X	-1.063	-1.063	%100
78	M81	Z	0	0	%100
79	M82	X	-.323	-.323	%100
80	M82	Z	0	0	%100
81	M83	X	-.323	-.323	%100
82	M83	Z	0	0	%100
83	M84	X	-1.063	-1.063	%100
84	M84	Z	0	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-303	-303	0	%100
2	M1	Z	-175	-175	0	%100
3	M2	X	-303	-303	0	%100
4	M2	Z	-175	-175	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M23	X	-1.21	-1.21	0	%100
8	M23	Z	-699	-699	0	%100
9	M24	X	-1.21	-1.21	0	%100
10	M24	Z	-699	-699	0	%100
11	M25	X	-761	-761	0	%100
12	M25	Z	-44	-44	0	%100
13	M45	X	-303	-303	0	%100
14	M45	Z	-175	-175	0	%100
15	M46	X	-303	-303	0	%100
16	M46	Z	-175	-175	0	%100
17	M47	X	-761	-761	0	%100
18	M47	Z	-44	-44	0	%100
19	M13A	X	-514	-514	0	%100
20	M13A	Z	-297	-297	0	%100
21	M14	X	-6	-6	0	%100
22	M14	Z	-346	-346	0	%100
23	M17A	X	0	0	0	%100
24	M17A	Z	0	0	0	%100
25	M18	X	0	0	0	%100
26	M18	Z	0	0	0	%100
27	M21	X	-514	-514	0	%100
28	M21	Z	-297	-297	0	%100
29	M22	X	-6	-6	0	%100
30	M22	Z	-346	-346	0	%100
31	MP1A	X	-575	-575	0	%100
32	MP1A	Z	-332	-332	0	%100
33	MP2A	X	-575	-575	0	%100
34	MP2A	Z	-332	-332	0	%100
35	MP3A	X	-696	-696	0	%100
36	MP3A	Z	-402	-402	0	%100
37	MP4A	X	-575	-575	0	%100
38	MP4A	Z	-332	-332	0	%100
39	MP5A	X	-575	-575	0	%100
40	MP5A	Z	-332	-332	0	%100
41	MP1B	X	-575	-575	0	%100
42	MP1B	Z	-332	-332	0	%100
43	MP2B	X	-575	-575	0	%100
44	MP2B	Z	-332	-332	0	%100
45	MP3B	X	-696	-696	0	%100
46	MP3B	Z	-402	-402	0	%100
47	MP4B	X	-575	-575	0	%100
48	MP4B	Z	-332	-332	0	%100
49	MP5B	X	-575	-575	0	%100
50	MP5B	Z	-332	-332	0	%100
51	MP1C	X	-575	-575	0	%100
52	MP1C	Z	-332	-332	0	%100
53	MP2C	X	-575	-575	0	%100
54	MP2C	Z	-332	-332	0	%100
55	MP3C	X	-696	-696	0	%100
56	MP3C	Z	-402	-402	0	%100
57	MP4C	X	-575	-575	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
58	MP4C	Z	-.332	-.332	0	%100
59	MP5C	X	-.575	-.575	0	%100
60	MP5C	Z	-.332	-.332	0	%100
61	M52	X	-.174	-.174	0	%100
62	M52	Z	-.1	-.1	0	%100
63	M54	X	-.696	-.696	0	%100
64	M54	Z	-.402	-.402	0	%100
65	M55	X	-.174	-.174	0	%100
66	M55	Z	-.1	-.1	0	%100
67	M76	X	-.215	-.215	0	%100
68	M76	Z	-.124	-.124	0	%100
69	M77	X	-.215	-.215	0	%100
70	M77	Z	-.124	-.124	0	%100
71	M78	X	-.859	-.859	0	%100
72	M78	Z	-.496	-.496	0	%100
73	M79	X	-.859	-.859	0	%100
74	M79	Z	-.496	-.496	0	%100
75	M80	X	-.218	-.218	0	%100
76	M80	Z	-.126	-.126	0	%100
77	M81	X	-.631	-.631	0	%100
78	M81	Z	-.364	-.364	0	%100
79	M82	X	-.631	-.631	0	%100
80	M82	Z	-.364	-.364	0	%100
81	M83	X	-.218	-.218	0	%100
82	M83	Z	-.126	-.126	0	%100
83	M84	X	-.859	-.859	0	%100
84	M84	Z	-.496	-.496	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.524	-.524	0	%100
2	M1	Z	-.908	-.908	0	%100
3	M2	X	-.524	-.524	0	%100
4	M2	Z	-.908	-.908	0	%100
5	M3	X	-.147	-.147	0	%100
6	M3	Z	-.254	-.254	0	%100
7	M23	X	-.524	-.524	0	%100
8	M23	Z	-.908	-.908	0	%100
9	M24	X	-.524	-.524	0	%100
10	M24	Z	-.908	-.908	0	%100
11	M25	X	-.586	-.586	0	%100
12	M25	Z	-1.015	-1.015	0	%100
13	M45	X	0	0	0	%100
14	M45	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M47	X	-.147	-.147	0	%100
18	M47	Z	-.254	-.254	0	%100
19	M13A	X	-.099	-.099	0	%100
20	M13A	Z	-.171	-.171	0	%100
21	M14	X	-.115	-.115	0	%100
22	M14	Z	-.2	-.2	0	%100
23	M17A	X	-.099	-.099	0	%100
24	M17A	Z	-.171	-.171	0	%100
25	M18	X	-.115	-.115	0	%100
26	M18	Z	-.2	-.2	0	%100



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
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Member Distributed Loads (BLC 76 : Structure Wm (330 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
27	M21	X	-396	-396	0 %100
28	M21	Z	-686	-686	0 %100
29	M22	X	-462	-462	0 %100
30	M22	Z	-8	-8	0 %100
31	MP1A	X	-332	-332	0 %100
32	MP1A	Z	-575	-575	0 %100
33	MP2A	X	-332	-332	0 %100
34	MP2A	Z	-575	-575	0 %100
35	MP3A	X	-402	-402	0 %100
36	MP3A	Z	-696	-696	0 %100
37	MP4A	X	-332	-332	0 %100
38	MP4A	Z	-575	-575	0 %100
39	MP5A	X	-332	-332	0 %100
40	MP5A	Z	-575	-575	0 %100
41	MP1B	X	-332	-332	0 %100
42	MP1B	Z	-575	-575	0 %100
43	MP2B	X	-332	-332	0 %100
44	MP2B	Z	-575	-575	0 %100
45	MP3B	X	-402	-402	0 %100
46	MP3B	Z	-696	-696	0 %100
47	MP4B	X	-332	-332	0 %100
48	MP4B	Z	-575	-575	0 %100
49	MP5B	X	-332	-332	0 %100
50	MP5B	Z	-575	-575	0 %100
51	MP1C	X	-332	-332	0 %100
52	MP1C	Z	-575	-575	0 %100
53	MP2C	X	-332	-332	0 %100
54	MP2C	Z	-575	-575	0 %100
55	MP3C	X	-402	-402	0 %100
56	MP3C	Z	-696	-696	0 %100
57	MP4C	X	-332	-332	0 %100
58	MP4C	Z	-575	-575	0 %100
59	MP5C	X	-332	-332	0 %100
60	MP5C	Z	-575	-575	0 %100
61	M52	X	-301	-301	0 %100
62	M52	Z	-522	-522	0 %100
63	M54	X	-301	-301	0 %100
64	M54	Z	-522	-522	0 %100
65	M55	X	0	0	0 %100
66	M55	Z	0	0	0 %100
67	M76	X	0	0	0 %100
68	M76	Z	0	0	0 %100
69	M77	X	-372	-372	0 %100
70	M77	Z	-644	-644	0 %100
71	M78	X	-372	-372	0 %100
72	M78	Z	-644	-644	0 %100
73	M79	X	-531	-531	0 %100
74	M79	Z	-92	-92	0 %100
75	M80	X	-161	-161	0 %100
76	M80	Z	-28	-28	0 %100
77	M81	X	-161	-161	0 %100
78	M81	Z	-28	-28	0 %100
79	M82	X	-531	-531	0 %100
80	M82	Z	-92	-92	0 %100
81	M83	X	-293	-293	0 %100
82	M83	Z	-508	-508	0 %100
83	M84	X	-293	-293	0 %100



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 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
84	M84	Z	-508	-508	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	Y	-1.841	-4.939	0 2.333
2	M1	Y	-4.939	-8.964	2.333 4.667
3	M1	Y	-8.964	-11.44	4.667 7
4	M1	Y	-11.44	-7.545	7 9.333
5	M1	Y	-7.545	-3.52	9.333 11.667
6	M1	Y	-3.52	-3.26	11.667 14
7	M2	Y	-9.722	-9.722	.014 7.346
8	M3	Y	-16.816	-9.363	0 1.917
9	M3	Y	-9.363	-1.911	1.917 3.833
10	M25	Y	-16.816	-9.363	0 1.917
11	M25	Y	-9.363	-1.911	1.917 3.833
12	M28	Y	-28.898	-28.898	0 .229
13	M23	Y	-1.841	-4.939	0 2.333
14	M23	Y	-4.939	-8.964	2.333 4.667
15	M23	Y	-8.964	-11.44	4.667 7
16	M23	Y	-11.44	-7.545	7 9.333
17	M23	Y	-7.545	-3.52	9.333 11.667
18	M23	Y	-3.52	-3.26	11.667 14
19	M24	Y	-9.722	-9.722	.014 7.346
20	M47	Y	-16.816	-9.363	0 1.917
21	M47	Y	-9.363	-1.911	1.917 3.833
22	M38	Y	-28.898	-28.898	0 .229
23	M45	Y	-1.841	-4.939	0 2.333
24	M45	Y	-4.939	-8.964	2.333 4.667
25	M45	Y	-8.964	-11.44	4.667 7
26	M45	Y	-11.44	-7.545	7 9.333
27	M45	Y	-7.545	-3.52	9.333 11.667
28	M45	Y	-3.52	-3.26	11.667 14
29	M46	Y	-9.722	-9.722	.014 7.346
30	M48	Y	-28.898	-28.898	0 .229

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M1	Y	-2.946	-7.903	0 2.333
2	M1	Y	-7.903	-14.343	2.333 4.667
3	M1	Y	-14.343	-18.304	4.667 7
4	M1	Y	-18.304	-12.072	7 9.333
5	M1	Y	-12.072	-5.632	9.333 11.667
6	M1	Y	-5.632	-5.217	11.667 14
7	M2	Y	-15.555	-15.555	.014 7.346
8	M3	Y	-26.906	-14.982	0 1.917
9	M3	Y	-14.982	-3.057	1.917 3.833
10	M25	Y	-26.906	-14.982	0 1.917
11	M25	Y	-14.982	-3.057	1.917 3.833
12	M28	Y	-46.238	-46.238	0 .229
13	M23	Y	-2.946	-7.903	0 2.333
14	M23	Y	-7.903	-14.343	2.333 4.667
15	M23	Y	-14.343	-18.304	4.667 7
16	M23	Y	-18.304	-12.072	7 9.333
17	M23	Y	-12.072	-5.632	9.333 11.667
18	M23	Y	-5.632	-5.217	11.667 14
19	M24	Y	-15.555	-15.555	.014 7.346



Company : GPD
 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft.%]	End Location[ft.%]	
20	M47	Y	-26.906	-14.982	0	1.917
21	M47	Y	-14.982	-3.057	1.917	3.833
22	M38	Y	-46.238	-46.238	0	.229
23	M45	Y	-2.946	-7.903	0	2.333
24	M45	Y	-7.903	-14.343	2.333	4.667
25	M45	Y	-14.343	-18.304	4.667	7
26	M45	Y	-18.304	-12.072	7	9.333
27	M45	Y	-12.072	-5.632	9.333	11.667
28	M45	Y	-5.632	-5.217	11.667	14
29	M46	Y	-15.555	-15.555	.014	7.346
30	M48	Y	-46.238	-46.238	0	.229

Member Area Loads (BLC 39 : Structure D)

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

Member Area Loads (BLC 40 : Structure Di)

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]	
1	N1	N2	N3	N4	Y	Two Way	-.016
2	N2	N44	N45	N3	Y	Two Way	-.016
3	N44	N1	N4	N45	Y	Two Way	-.016

Envelope Joint Reactions

Joint	X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC	
1	N24	m...1734.087	9	1695.908	13	1000.591	1	.381	7	1.342	9	.52	26
2		min-1922.8...	3	-53.115	7	-744.044	7	-3.657	13	-1.524	3	-.24	8
3	N21	m...1143.283	10	1568.083	17	1306.629	1	1.674	16	1.01	4	.365	11
4		min-1232.9...	4	-57.938	11	-1655.141	7	-.207	10	-1.249	10	-2.844	17
5	N27	m...1373.762	10	1642.929	21	1634.773	1	1.704	22	1.244	8	3.045	21
6		min-1024.1...	4	-78.143	3	-1546.653	7	-.278	4	-1.483	2	-.388	3
7	N137	m...641.22	9	2146.12	19	175.014	1	.002	1	0	4	0	34
8		min-333.305	4	-79.114	1	-2621.367	19	0	7	0	34	0	4
9	N140	m...2076.156	22	2113.011	23	1625.391	24	0	9	0	8	.001	5
10		min-216.353	4	-54.695	5	-95.45	6	0	3	0	2	0	11
11	N143	m... 88.58	10	2192.475	15	1121.422	14	0	3	0	12	.001	3
12		min-2482.0...	16	-85.157	9	-425.348	8	-.001	9	0	6	-.001	9
13	Totals:	m...6209.126	10	10310.72	14	6099.081	1						
14		min-6209.1...	4	3541.185	8	-6099.095	7						

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

Member	Shape	Code Che...	Loc[ft]	LC	Shear Che...	Loc[ft]	Dir	LC	phi*...	phi*...	phi*...	phi*...	Eqn	
1	M1	L3X3X4	.439	7	23	.585	7	y	13	1574..	46656	1.688	3.39	...H2-1
2	M45	L3X3X4	.430	7	19	.570	7	z	9	1574..	46656	1.688	3.402	...H2-1
3	M23	L3X3X4	.410	7	15	.544	7	z	5	1574..	46656	1.688	3.393	...H2-1
4	M52	PIPE 2.5	.363	9.245	20	.166	3.125		13	1455..	50715	3.596	3.596	...H1-...
5	M55	PIPE 2.5	.373	9.245	16	.160	3.125		21	1455..	50715	3.596	3.596	...H1-...
6	MP4C	PIPE 2.0	.387	.5	13	.156	.5		17	2086..	32130	1.872	1.872	...H1-...
7	M54	PIPE 2.5	.369	9.245	24	.153	3.125		17	1455..	50715	3.596	3.596	...H1-...
8	MP4B	PIPE 2.0	.345	.5	21	.151	.5		13	2086..	32130	1.872	1.872	...H1-...
9	MP4A	PIPE 2.0	.323	.5	17	.150	.5		21	2086..	32130	1.872	1.872	...H1-...



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 Designer : Nieto, Eric
 Job Number : Project No. 10101458
 Model Name : 467220-VZW_MT_LO_H

Sept 9, 2021
 9:33 AM
 Checked By: _____

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

Member	Shape	Code Che...	Loc[ft]	LC	Shear Che...	Loc[ft]	Dir	LC	phi*...	phi*...	phi*...	phi*...	Eqn	
10	MP2A	PIPE 2.0	.306	.5	21	.143	2	16	2086..	32130	1.872	1.872	...H1-...	
11	MP2C	PIPE 2.0	.274	.5	17	.134	.5	21	2086..	32130	1.872	1.872	...H1-...	
12	MP5B	PIPE 2.0	.278	.5	21	.132	.5	2	2086..	32130	1.872	1.872	...H1-...	
13	MP5A	PIPE 2.0	.261	.5	17	.129	.5	10	2086..	32130	1.872	1.872	...H1-...	
14	MP2B	PIPE 2.0	.254	.5	13	.129	.5	20	2086..	32130	1.872	1.872	...H1-...	
15	MP1A	PIPE 2.0	.270	.5	21	.129	.5	4	2086..	32130	1.872	1.872	...H1-...	
16	MP5C	PIPE 2.0	.314	.5	13	.129	.5	6	2086..	32130	1.872	1.872	...H1-...	
17	MP1B	PIPE 2.0	.236	.5	13	.128	.5	8	2086..	32130	1.872	1.872	...H1-...	
18	MP1C	PIPE 2.0	.255	.5	17	.125	.5	12	2086..	32130	1.872	1.872	...H1-...	
19	MP3C	PIPE 2.5	.218	1.5	13	.088	4.5	12	3777..	50715	3.596	3.596	...H1-...	
20	MP3A	PIPE 2.5	.201	1.5	21	.088	4.5	4	3777..	50715	3.596	3.596	...H1-...	
21	MP3B	PIPE 2.5	.206	1.5	21	.088	1.5	3	3777..	50715	3.596	3.596	...H1-...	
22	M78	L3X3X4	.523	1.894	20	.073	0	y	8	4309..	46656	1.688	3.756	...H2-1
23	M77	L3X3X4	.545	1.894	16	.071	0	y	4	4309..	46656	1.688	3.756	...H2-1
24	M76	L3X3X4	.524	1.894	24	.069	0	y	12	4309..	46656	1.688	3.756	...H2-1
25	M13A	HSS4X4X4	.253	0	14	.065	0	z	3	1391..	1395..	16.1...	16.1...	...H1-...
26	M21	HSS4X4X4	.247	0	22	.059	0	z	11	1391..	1395..	16.1...	16.1...	...H1-...
27	M22	HSS4.5X4.5X4	.108	0	22	.059	.083	z	1	1569..	1589..	20.9...	20.9...	...H1-...
28	M14	HSS4.5X4.5X4	.115	0	14	.058	.083	z	3	1569..	1589..	20.9...	20.9...	...H1-...
29	M18	HSS4.5X4.5X4	.102	0	17	.057	.083	z	9	1569..	1589..	20.9...	20.9...	...H1-...
30	M17A	HSS4X4X4	.235	0	18	.054	0	z	7	1391..	1395..	16.1...	16.1...	...H1-...
31	M46	L3X3X4	.349	3.68	23	.021	3.68	y	13	3454..	46656	1.688	3.635	...H2-1
32	M2	L3X3X4	.341	3.68	23	.021	3.68	y	21	3454..	46656	1.688	3.643	...H2-1
33	M24	L3X3X4	.330	3.68	18	.020	3.68	y	20	3454..	46656	1.688	3.634	...H2-1
34	M3	LL3x3x4x0	.078	3.833	3	.019	0	z	8	7746..	93312	6.48	4.422	1 H1-...
35	M47	LL3x3x4x0	.069	3.833	11	.017	0	z	4	7746..	93312	6.48	4.422	1 H1-...
36	M25	LL3x3x4x0	.065	3.833	7	.016	0	z	12	7746..	93312	6.48	4.422	1 H1-...
37	M83	L2.5x2.5x4	.100	2.206	14	.010	4.411	y	8	2043..	38556	1.114	2.31	...H2-1
38	M81	L2.5x2.5x4	.099	2.206	22	.009	0	y	4	2043..	38556	1.114	2.31	...H2-1
39	M79	L2.5x2.5x4	.097	2.206	18	.008	0	y	12	2043..	38556	1.114	2.31	...H2-1
40	M84	L2.5x2.5x4	.088	2.206	16	.008	0	z	4	2043..	38556	1.114	2.31	...H2-1
41	M82	L2.5x2.5x4	.086	2.206	24	.008	0	z	12	2043..	38556	1.114	2.31	...H2-1
42	M80	L2.5x2.5x4	.089	2.206	20	.008	4.411	z	8	2043..	38556	1.114	2.31	...H2-1



TIA-222-H CONNECTION CHECK
Mount to Tower Connection - Typ. All Sectors
2021740.467220.02

Weld Capacity		
Fillet (leg) =	0.250	in
Throat (eff) =	0.18	in
Fexx =	70.00	ksi
ϕ =	0.75	
ϕR_n =	5.57	kips/in
Weld Capacity=	46.4%	OK



TIA-222-H CONNECTION CHECK
Mod V-kit to Tower Connection - Typ. All Sectors
2021740.467220.02

Bolt Information		
Bolt Diameter (d)	0.625	in
Net Tensile Area (A _n)	0.226	in ²
# of Bolts Total (n)	4	
Bolt Distance Up-Down	6	in
Bolt Distance Left-Right	6	in
Bolt Grade	A325N	
Bolt Tensile Strength (F _{ub})	120	ksi

RISA 3D Reactions		
Moment (M)	0.00	k-ft
Axial (T)	2.68	kips
Shear (V)	2.21	kips

Bolt Capacity		
Nominal Tensile Strength (R _{nt})	27.120	kips
Nominal Shear Strength (R _{nv})	18.41	kips
Bolt Tensile Force (T _{ub})	0.05	kips
Bolt Shear Force (V _{ub})	0.554	kips
$T_{ub}/\phi R_{nt}$	0.00229	
$V_{ub}/\phi R_{nv}$	0.04011	
$(V_{ub}/\phi R_{nv})^2 + (T_{ub}/\phi R_{nt})^2$	0.00161	
Bolt Capacity =	4.0%	OK

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Electronic pdf version of this can be downloaded at <https://pmi.vzwsmart.com>

For additional questions and support, please reach out to pmisupport@colliersengineering.com

Purpose – to upload the proper documentation to the SMART Tool in order to allow the SMART Tool engineering vendor to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

Base Requirements:

- If installation of the modification will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide “as built drawings” showing contractor’s name, preparer’s signature, and date. Any deviations from the drawings (proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the post-modification passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo shall be time and date stamped.
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: <https://pmi.vzwsmart.com>

Photo Requirements:

- Photos taken at ground level
 - Photo of Gate Signs showing the tower owner, site name, and number.
 - Overall tower structure after installation of the modifications.
 - Photos of the mount after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed
- Photos taken at Mount Elevation
 - Photos showing the safety climb wire rope above and below the mount prior to modification.
 - Photos showing the climbing facility and safety climb if present.
 - Photos showing each individual sector after installation of modifications. Each entire sector must be in one photo to show the interconnection of members.

- These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.
- Photos of each installed modification per the modification drawings; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
- Photos showing the distances (relative distance between collars) of the installed modifications from the appropriate reference locations shown in the modification drawings.
- Photos showing the installed modifications onto the tower (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, an elevation measurement shall be provided before the elevation change.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by the SMART Tool vendor.
 - If the materials are as specified on the drawings
 - The contractor shall provide the packing list, or the materials certifications for the materials utilized to perform the mount modification
 - Commscope, Metrosite, Perfect Vision, Sabre, and Site Pro have all agreed to support Verizon vendors with the necessary material certifications
 - If seeking permission to use an equivalent
 - It is required that the SMART Tool engineering vendor approval of such is included in the contractor submission package. There may be an additional charge for approval if the equivalent submission doesn't meet specifications as prescribed in the drawings.
- All hardware has been properly installed, and the existing hardware was inspected.
- The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings and included in the material certification folder is a packing list or invoice for these materials.

OR

- The material utilized was approved by a SMART Tool as an "equivalent" and this approval is included as part of the contractor submission.

Antenna & equipment placement and Geometry Confirmation:

- The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

Comments:

--

Certifying Individual:

Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

Was the mount modification completed in conjunction with the equipment change / installation?

Yes No

Special Instructions / Validation as required from the MA or Mod Drawings:

Issue:

--

Response:

--

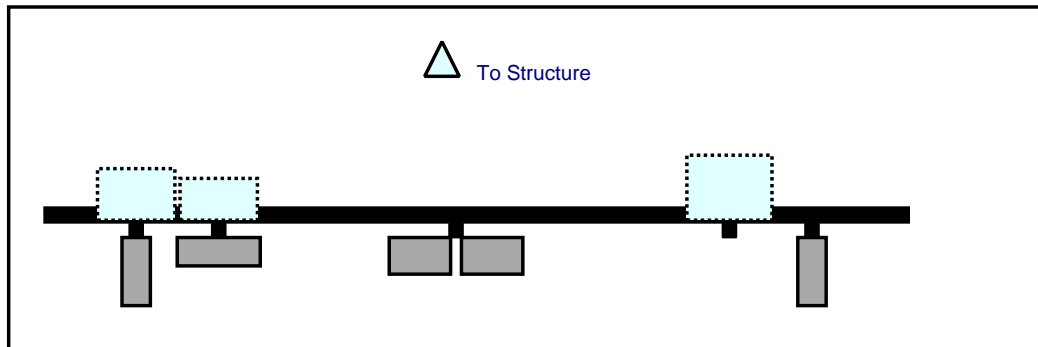
Contractor certifies that the climbing facility / safety climb was not damaged during installation:

Yes No

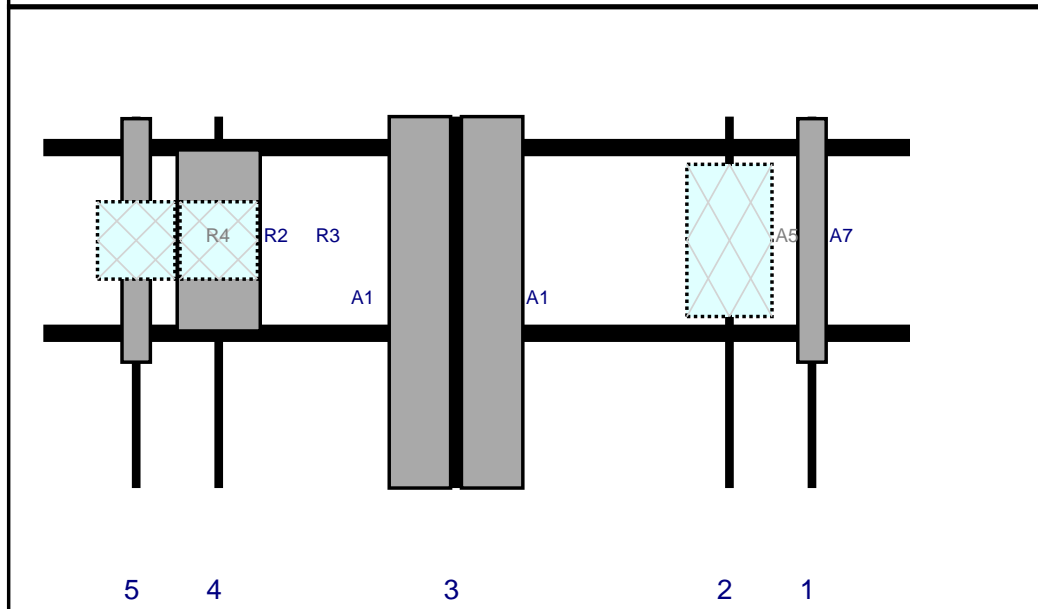
Comments:

--

Plan View

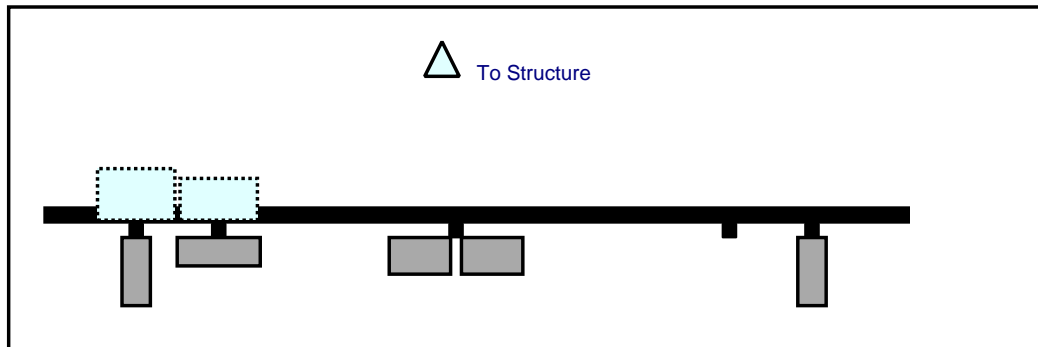


Front View
Looking at Structure

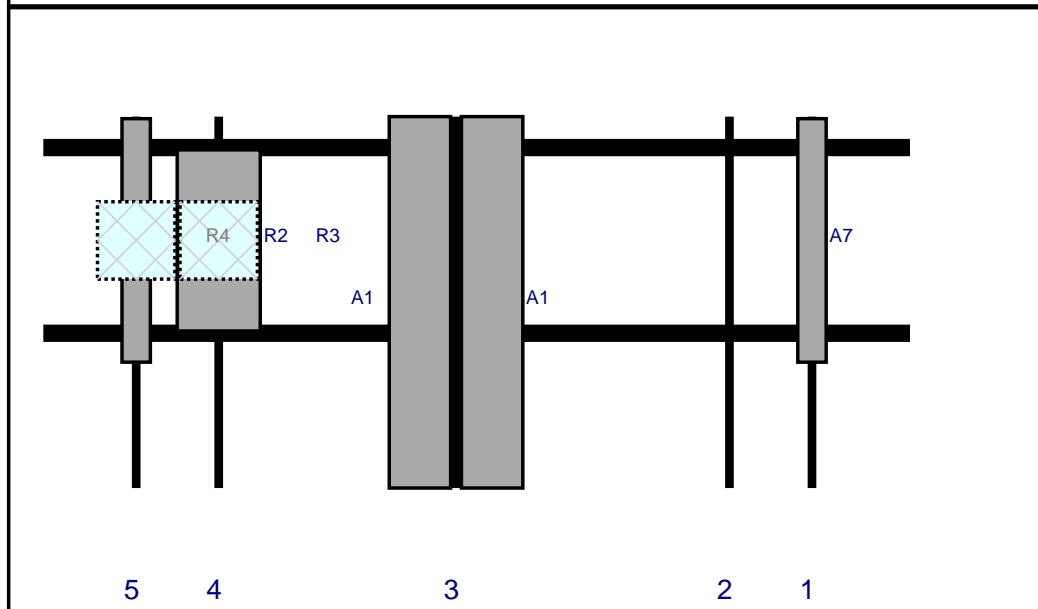


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A7	LPA-80080-4CF	47.2	5.5	149	1	a	Front	24	0	Retained	03/29/2021
A5	RVZDC-6627-PF-48	29.5	16.5	133	2	a	Behind	24	0	Added	
A1	NHH-65B-R2B	72	11.9	80	3	a	Front	36	-7	Added	
A1	NHH-65B-R2B	72	11.9	80	3	b	Front	36	7	Added	
R2	MT6407-77A	35.1	16.1	34	4	a	Front	24	0	Added	
R3	RF4439d-25A	15	15	34	4	a	Behind	24	0	Added	
A7	LPA-80080-4CF	47.2	5.5	18	5	a	Front	24	0	Retained	03/29/2021
R4	RF4440d-13A	15	15	18	5	a	Behind	24	0	Added	

Plan View

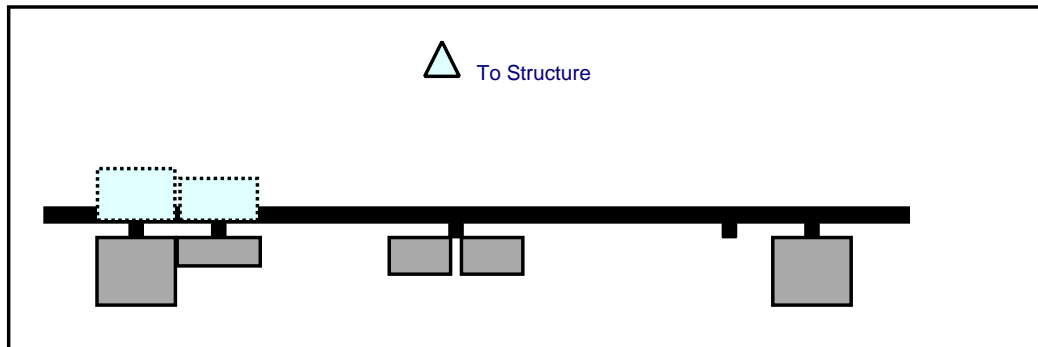


Front View
Looking at Structure

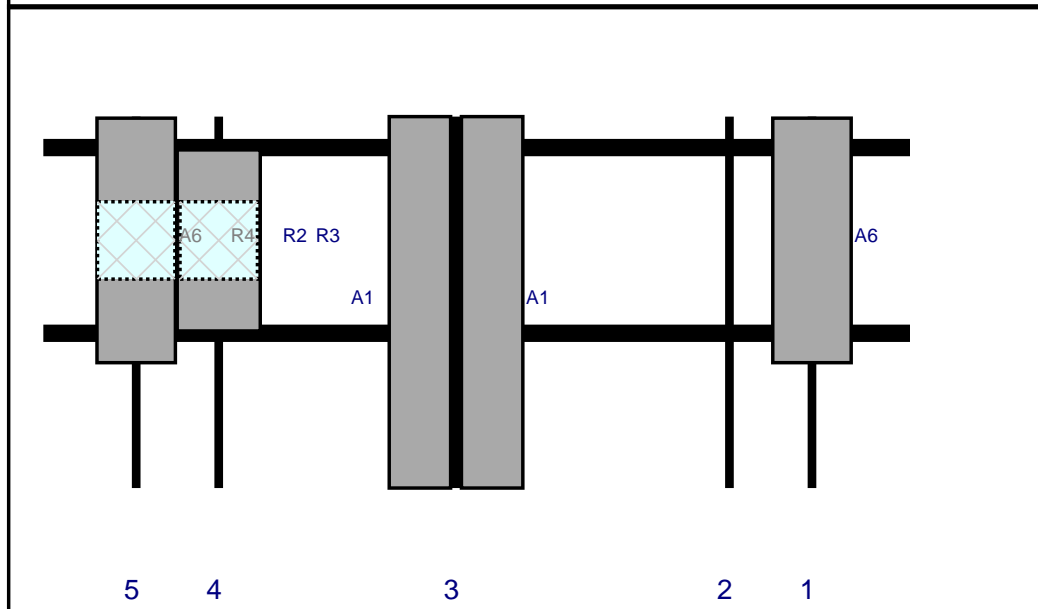


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A7	LPA-80080-4CF	47.2	5.5	149	1	a	Front	24	0	Retained	03/29/2021
A1	NHH-65B-R2B	72	11.9	80	3	a	Front	36	-7	Added	
A1	NHH-65B-R2B	72	11.9	80	3	b	Front	36	7	Added	
R2	MT6407-77A	35.1	16.1	34	4	a	Front	24	0	Added	
R3	RF4439d-25A	15	15	34	4	a	Behind	24	0	Added	
A7	LPA-80080-4CF	47.2	5.5	18	5	a	Front	24	0	Retained	03/29/2021
R4	RF4440d-13A	15	15	18	5	a	Behind	24	0	Added	

Plan View



Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LPA-80063-4CF-EDIN	47.4	15.2	149	1	a	Front	24	0	Retained	03/29/2021
A1	NHH-65B-R2B	72	11.9	80	3	a	Front	36	-7	Added	
A1	NHH-65B-R2B	72	11.9	80	3	b	Front	36	7	Added	
R2	MT6407-77A	35.1	16.1	34	4	a	Front	24	0	Added	
R3	RF4439d-25A	15	15	34	4	a	Behind	24	0	Added	
A6	LPA-80063-4CF-EDIN	47.4	15.2	18	5	a	Front	24	0	Retained	03/29/2021
R4	RF4440d-13A	15	15	18	5	a	Behind	24	0	Added	

Subject TIA-222-H Usage

Site Information Site ID: 467220-VZW / SOMERS 2 CT
Site Name: SOMERS 2 CT
Carrier Name: Verizon Wireless
Address: 400 Main St., Somers, Connecticut 06071, Tolland County
Latitude: 41.983433°
Longitude: -72.465647°

Structure Information Tower Type: 190-Ft Monopole
Mount Type: 14.00-Ft Platform Mount

To Whom It May Concern,

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

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

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

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

Sincerely,

GPD Group



Christopher J. Scheks, P.E.
Connecticut #: 0030026

Exhibit E

Power Density/RF Emissions Report

Site Name: **SOMERS 2 CT**
 Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm ²)	(mW/cm ²)	(%)
VZW 700	751	4	689	2756	178	0.0031	0.5007	0.62%
VZW CDMA	869	2	387	774	178	0.0009	0.5793	0.15%
VZW Cellular	869	4	700	2800	178	0.0032	0.5793	0.55%
VZW PCS	1980	4	1500	6000	178	0.0068	1.0000	0.68%
VZW AWS	2125	4	1672	6688	178	0.0076	1.0000	0.76%
VZW CBAND	3730	4	6531	26124	178	0.0297	1.0000	2.97%

Total Percentage of Maximum Permissible Exposure 5.73%

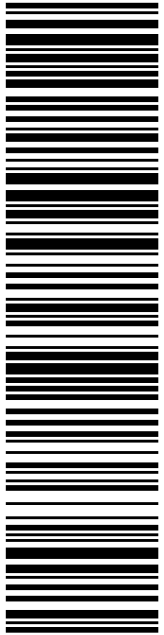
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
 **Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification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

MHz = Megahertz
 mW/cm² = milliwatts per square centimeter
 ERP = Effective Radiated Power

Absolute worst case maximum values used.

Exhibit F

Recipient Mailings



USPS TRACKING #

9405 5036 9930 0235 6568 80

Electronic Rate Approved #038555749

SHIP TO:

SARAH SNELL
1800 W PARK DR
WESTBOROUGH MA 01581-3926

P

US POSTAGE
Flat Rate Env
\$8.95

U.S. POSTAGE PAID
Click-N-Ship®

Mailed from 01566

PRIORITY MAIL 1-DAY™

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

Expected Delivery Date: 04/29/22
Ref#: CR-803934
0006

C006



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 0235 6568 80

Trans. #: 562375840	Priority Mail® Postage: \$8.95
Print Date: 04/28/2022	Total: \$8.95
Ship Date: 04/28/2022	
Expected Delivery Date: 04/29/2022	

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


Ref#: CR-803934

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

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



Thank you for shipping with the United States Postal Service!
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**UNITED STATES
POSTAL SERVICE®**

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P

04/28/2022

Mailed from 01566

usps.com 9405 5036 9930 0235 6568 97 0089 5000 0010 6071
US POSTAGE
 Flat Rate Env
U.S. POSTAGE PAID
 Click-N-Ship®


PRIORITY MAIL 2-DAY™

Expected Delivery Date: 05/02/22
 Ref#: CR-803934
0006

R005

SHIP TO: JENNIFER ROY
 ZONING ENFORCEMENT OFFICER
 600 MAIN ST
 SOMERS CT 06071-2119

USPS TRACKING #



9405 5036 9930 0235 6568 97

Electronic Rate Approved #038555749



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Instructions

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2. Place your label so it does not wrap around the edge of the package.
3. Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.
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 0235 6568 97

Trans. #:	562375840	Priority Mail® Postage:	\$8.95
Print Date:	04/28/2022	Total:	\$8.95
Ship Date:	04/28/2022		
Expected Delivery Date:	05/02/2022		


From: DEBORAH CHASE
 NORTHEAST SITE SOLUTIONS
 420 MAIN ST
 STE 1
 STURBRIDGE MA 01566-1359
 Ref#: CR-803934

To: JENNIFER ROY
 ZONING ENFORCEMENT OFFICER
 600 MAIN ST
 SOMERS CT 06071-2119

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



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04/28/2022

Mailed from 01566

usps.com 9405 5036 9930 0235 6569 03 0089 5000 0010 6071

US POSTAGE

Flat Rate Env

U.S. POSTAGE PAID

click-n-ship®

PRIORITY MAIL 2-DAY™

Expected Delivery Date: 05/02/22


Ref#: CR-803934

0006

SHIP

TO: TIM KEENEY
FIRST SELECTMAN
600 MAIN ST
SOMERS CT 06071-2119

USPS TRACKING #



9405 5036 9930 0235 6569 03

Electronic Rate Approved #038555749



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Instructions

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Click-N-Ship® Label Record

USPS TRACKING # :	
9405 5036 9930 0235 6569 03	
Trans. #:	562375840
Print Date:	04/28/2022
Ship Date:	04/28/2022
Expected Delivery Date:	05/02/2022
Priority Mail® Postage:	\$8.95
Total:	\$8.95
From:	DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359
To:	TIM KEENEY FIRST SELECTMAN 600 MAIN ST SOMERS CT 06071-2119
	Ref#: CR-803934
<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>	



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803934 CROWN VZW



FARMINGTON
210 MAIN ST
FARMINGTON, CT 06032-9998
(800)275-8777

04/28/2022 04:50 PM

Product	Qty	Unit Price	Price
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Prepaid Mail	1		\$0.00
Westborough, MA 01581			
Weight: 0 lb 1.90 oz			
Acceptance Date:			
Thu 04/28/2022			
Tracking #:			
9405 5036 9930 0235 6568 80			

Prepaid Mail	1		\$0.00
Somers, CT 06071			
Weight: 0 lb 8.30 oz			
Acceptance Date:			
Thu 04/28/2022			
Tracking #:			
9405 5036 9930 0235 6568 97			

Prepaid Mail	1		\$0.00
Somers, CT 06071			
Weight: 0 lb 8.30 oz			
Acceptance Date:			
Thu 04/28/2022			
Tracking #:			
9405 5036 9930 0235 6569 03			

Grand Total:			\$0.00
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