

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

Also admitted in Massachusetts
and New York

August 4, 2021

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification
349R Mountain Street, Windham (Willimantic), Connecticut**

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains an existing wireless telecommunications facility at the above-referenced property address (the “Property”). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower was approved by the Town of Windham. Cellco’s real estate consultants did reach out to Town staff in an effort to obtain copies of the original tower approval. Town staff was unable to locate those documents.¹ Cellco’s shared use of the tower was approved by the Council in October 2000 (EM-VER-163-000928). A copy of Cellco’s approval is included in Attachment 1.

Cellco now intends to modify its facility by installing three (3) new Samsung MT6407-77A antennas and replacing nine (9) existing remote radio heads (“RRHs”) with six (6) new RRHs all on Cellco’s existing antenna mounts. A set of project plans showing Cellco’s proposed facility modifications and new antennas and RRHs specifications are included in Attachment 2.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Windham’s Chief Elected

¹ In Council filing EM-T-Mobile-163-160818 T-Mobile did note that Town officials they spoke with indicated that the tower was installed on the Property prior to the adoption of the Town zoning regulations.

Melanie A. Bachman, Esq.
August 4, 2021
Page 2

Official and Land Use Officer.

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 tower. Cellco's replacement antennas will be installed on Cellco's existing antenna mounts.
2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, 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 installation of Cellco's new antennas and RRHs will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative general power density table for Cellco's modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna mounts can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

A copy of the parcel map and Property owner information is included in Attachment 5. A Certificate of Mailing verifying that this filing was sent to municipal officials and the property owner is included in Attachment 6.

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

Melanie A. Bachman, Esq.
August 4, 2021
Page 3

Sincerely,

A handwritten signature in black ink, appearing to read "Kenneth C. Baldwin". The signature is fluid and cursive, with a long horizontal stroke at the end.

Kenneth C. Baldwin

Enclosures

Copy to:

James Rivers, Windham Town Manger
Matthew Vertefeuille, Windham Director of Code Enforcement
SBA Properties LLC, Property Owner
Aleksey Tyurin

ATTACHMENT 1

October 23, 2000

Kenneth C. Baldwin
Robinson & Cole
280 Trumbull Street
Hartford, CT 06103-3597

RE: **EM-VER-163-000928** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 349R Mountain Street, Willimantic, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on October 19, 2000, the Connecticut Siting Council (Council) acknowledged your notice to replace and modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated September 28, 2000, including information received dated October 18, 2000. The replacement and modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/laf

c: Honorable John J. Lescoe, First Selectman, Town of Windham
James E. Finger, Town Planner, Town of Windham
Sandy M. Carter, Verizon Wireless
Michael C. Rice, President, Nutmeg Broadcasting
J. Brendan Sharkey, VoiceStream Wireless

ATTACHMENT 2

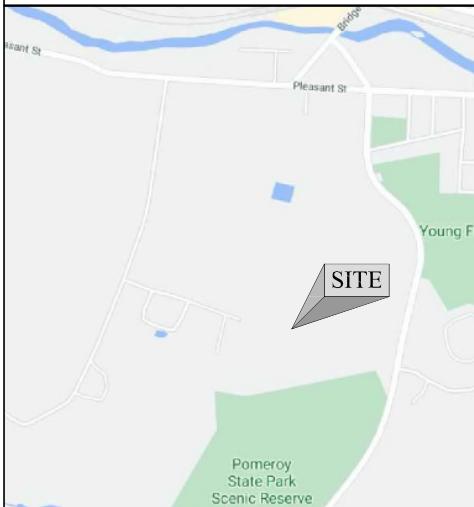
DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE PROJECT OWNERS REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

SHEET INDEX

SHEET NUMBER	SHEET DESCRIPTION
T-1	TITLE SHEET
A-1	COMPOUND PLAN & STRUCTURE ELEVATION
A-2	ANTENNA PLAN, DETAILS & NOTES
A-3	ANTENNA SECTOR CONFIGURATIONS, DETAILS & NOTES
A-4	RET SYSTEM WIRING SCHEMATIC

VICINITY MAP



APPLICANT:
CELLCO PARTNERSHIP d/b/a
VERIZON WIRELESS

SCOPE OF WORK:
PROPOSED EQUIPMENT & ANTENNA MODIFICATIONS
TO AN EXISTING VERIZON WIRELESS INSTALLATION
AT A 196'-0"± SELF SUPPORT

Digitally signed by Jiazhu Hu, Ph.D., P.E.
DN: cn=Jiazhu Hu, Ph.D., P.E., o=Nexius,
ou=Engineering, email=Jiazhu.Hu@Nexius.com,
c=US
Date: 2021.02.12 13:57:16 -05'00'

SITE NAME
WILLIMANTIC CT

LOCATION CODE
467900

SITE OWNER
SBA

SITE NUMBER
CT06462

ADDRESS
349 MOUNTAIN STREET
WILLIMANTIC, CT 06226

COORDINATES
41° 42' 10.80" N
72° 13' 17.00" W

NOTES

GENERAL NOTES:

- PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.
- THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.
- THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
- ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
- ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.

- ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A55 (Fy = 50 ksi) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (Fy = 35 ksi). ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. TOUCHUP ALL SCRATCHES AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERECTED USING A COMPATIBLE ZINC RICH PAINT.
- SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
- SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
- APPLICABLE BUILDING CODES:
SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
BUILDING CODE: 2018 CONNECTICUT STATE BUILDING CODE (IBC 2015)
ELECTRICAL CODE: REFER TO ELECTRICAL DRAWINGS
LIGHTNING CODE: REFER TO ELECTRICAL DRAWINGS
SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
ACI 318-14: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
ACI 360-10: SPECIFICATIONS STEEL FOR STRUCTURAL STEEL BUILDINGS.
ANSI/TIA-222-G WITH ADDENDUMS, STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN, WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ELECTRICAL & GROUNDING NOTES

- ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES.
- ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER SPECIFICATION REQUIREMENTS.
- THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE OPERATING AND APPROVED ELECTRICAL SYSTEM.
- GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, AND IS RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
- ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NEMA 3R ENCLOSURE.
- GROUNDING SHALL COMPLY WITH NEC ART. 250.
- GROUND COAXIAL CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURERS COAX CABLE GROUNDING KITS SUPPLIED BY PROJECT OWNER.
- USE #6 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
- ALL GROUND CONNECTIONS TO BE BURNDY HYDROGUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
- ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY. BOND ANY METAL OBJECTS WITHIN 7 FEET OF PROPOSED EQUIPMENT OR CABINET TO MASTER GROUND BAR.
- CONNECTIONS TO MGB SHALL BE ARRANGED IN THREE MAIN GROUPS: SURGE PRODUCERS (COAXIAL CABLE GROUND KITS, TELCO AND POWER PANEL GROUND); (GROUNDING ELECTRODE RING OR BUILDING STEEL); NON-SURGING OBJECTS (EOB GROUND IN BITS UNIT).
- CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS
- APPLY OXIDE INHIBITING COMPOUND TO ALL COMPRESSION TYPE GROUND CONNECTIONS.
- BOND ANTENNA MOUNTING BRACKETS, COAXIAL CABLE GROUND KITS, AND ALNA TO EOB PLACING NEAR THE ANTENNA LOCATION.
- BOND ANTENNA EOB'S AND MGB TO WATER MAIN.
- TEST COMPLETED GROUND SYSTEM AND RECORD RESULTS FOR PROJECT CLOSE-OUT DOCUMENTATION
- BOND ANY METAL OBJECTS WITHIN 7 FEET OF PROPOSED EQUIPMENT OR CABINET TO MASTER GROUND BAR.

PREPARED BY:

nexius
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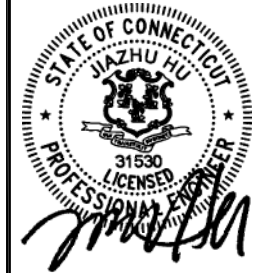
A&E OFFICE:
300 APOLLO DRIVE, SUITE 7
CHELMSFORD, MA 01824
1 (978) 923-7965

APPLICANT:
CELLCO PARTNERSHIP d/b/a

verizon

20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

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SUBMITTALS			
REV	DATE	DESCRIPTION	BY
0	02/12/21	PER CONSTRUCTION	MLB

SITE INFORMATION:

SITE NAME:
WILLIMANTIC CT
LOCATION CODE:
467900
SITE ADDRESS:
**349 MOUNTAIN STREET
WILLIMANTIC, CT 06226**

DRAWN BY:	DATE:
MLB	02/12/21
CHECKED BY:	DATE:
KB	02/12/21

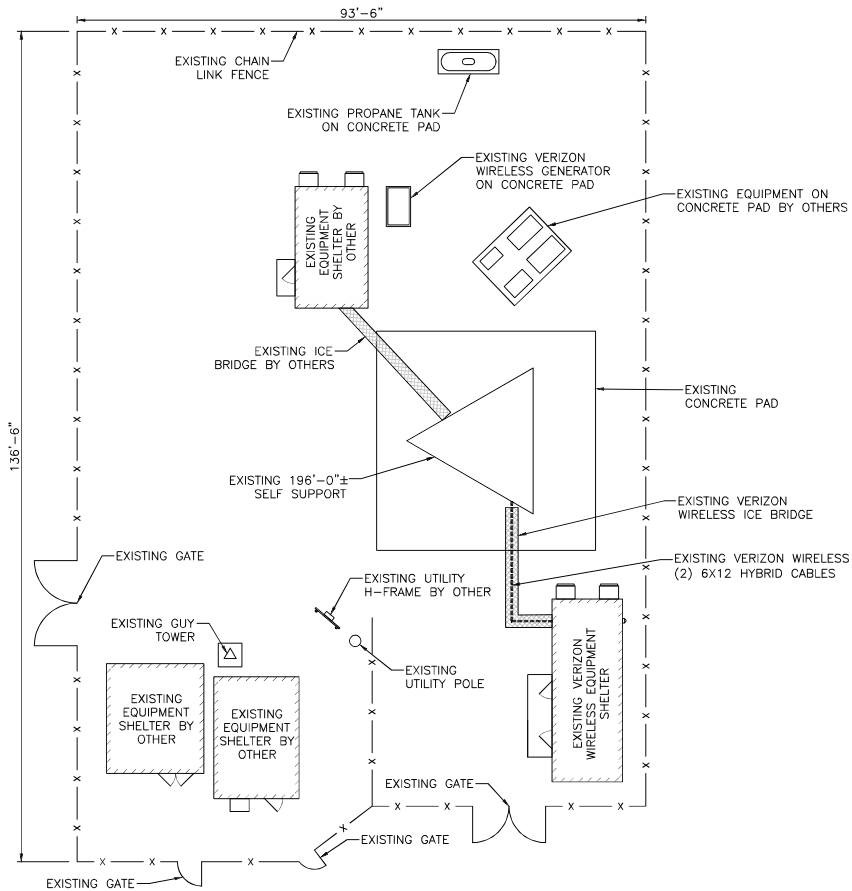
NEXIUS PROJECT NO.:
VZ11509

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:

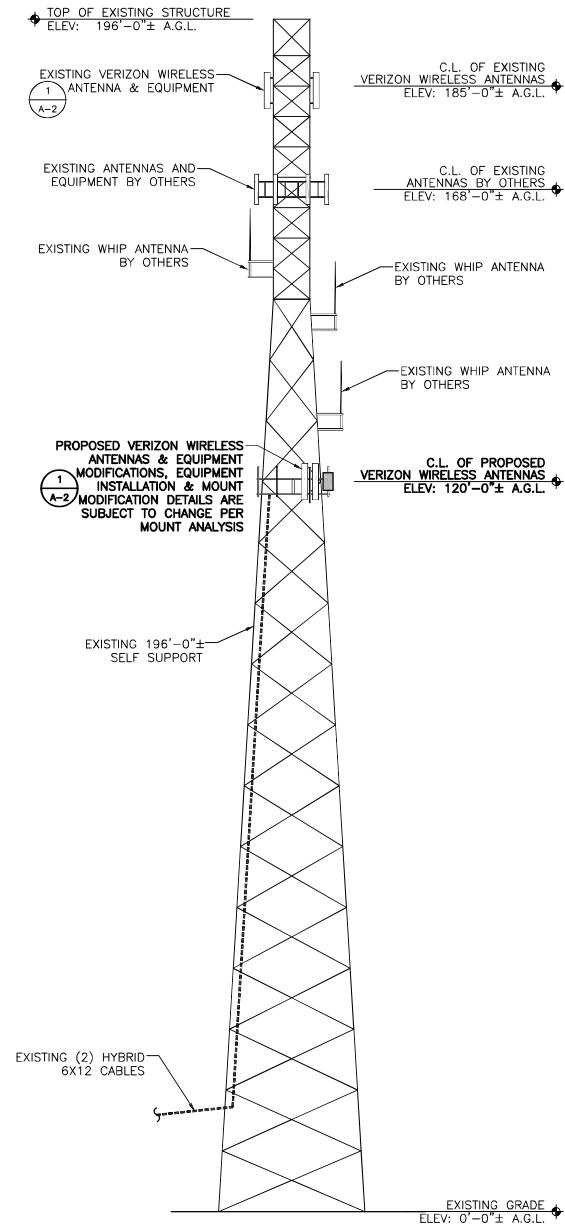
T-1

NOTE:
 PROJECT OWNER IS RESPONSIBLE FOR PROVIDING A MOUNT ANALYSIS FOR THE MOUNTS AND A TOWER STRUCTURAL ANALYSIS FOR THE TOWER STRUCTURE TO DETERMINE CAPACITY AND SUITABILITY OF THE MOUNTS AND TOWER STRUCTURE TO ADEQUATELY CARRY ALL LOADS IMPOSED BY BOTH EXISTING AND PROPOSED EQUIPMENT AS SHOWN HEREIN. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INCORPORATING ANY REQUIRED MOUNT MODIFICATIONS INTO THEIR SCOPE OF WORK. CONTRACTOR TO CHECK WITH PROJECT OWNER AND VERIFY MOUNT INSTALLATION DETAILS PER MOUNT ANALYSIS.



1 **COMPOUND PLAN**
 SCALE: 3/32" = 1'-0"

GRAPHIC SCALE: 3/32" = 1'-0"



2 **STRUCTURE ELEVATION**
 SCALE: 3/32" = 1'-0"

GRAPHIC SCALE: 3/32" = 1'-0"

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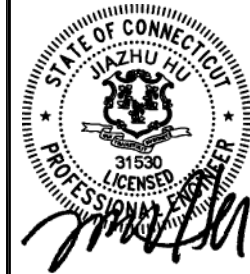
A&E OFFICE:
 300 APOLLO DRIVE, SUITE 7
 CHELMSFORD, MA 01824
 1 (978) 923-7965

APPLICANT:
 CELLCO PARTNERSHIP d/b/a

verizon

20 ALEXANDER DRIVE, 2ND FLOOR
 WALLINGFORD, CT 06492

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467900
 SITE ADDRESS:
**349 MOUNTAIN STREET
 WILLIMANTIC, CT 06226**

DRAWN BY:	DATE:
MLB	02/12/21
CHECKED BY:	DATE:
KB	02/12/21

NEXIUS PROJECT NO.: VZ11509

SHEET TITLE:
**COMPOUND PLAN &
 STRUCTURE ELEVATION**

SHEET NUMBER:
A-1

PREPARED BY:

nexius

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A&E OFFICE:
300 APOLLO DRIVE, SUITE 7
CHELMSFORD, MA 01824
1 (978) 923-7965

APPLICANT:
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SUBMITTALS

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WILLIMANTIC CT
LOCATION CODE:
467900
SITE ADDRESS:
**349 MOUNTAIN STREET
WILLIMANTIC, CT 06226**

DRAWN BY: **MLB** DATE: **02/12/21**
CHECKED BY: **KB** DATE: **02/12/21**

NEXIUS PROJECT NO.: **VZ11509**

SHEET TITLE:
**ANTENNA PLAN,
DETAILS & NOTES**

SHEET NUMBER:

A-2

SCOPE OF WORK:

ALPHA SECTOR:

- INSTALL (1) NEW "VZS01 ANTENNA W/ RRH" AS SHOWN ON PLANS.
- REMOVE (3) EXISTING RRH (700, PCS & AWS).
- INSTALL (1) NEW BRO49 B5/B13 700/850 RRH AT ANTENNAS, AS SHOWN ON PLANS.
- INSTALL (1) NEW BRO49 B2/B66A AWS/PCS RRH AT ANTENNAS, AS SHOWN ON PLANS.
- INSTALL (1) NEW SAMSUNG JUMPER FROM OVP BOX TO 700/850 RRH.
- INSTALL (1) NEW POWER CABLE FROM OVP BOX TO 700/850 RRH.
- INSTALL (1) NEW SAMSUNG JUMPER FROM OVP BOX TO AWS/PCS RRH.
- INSTALL (1) NEW POWER CABLE FROM OVP BOX TO AWS/PCS RRH.
- INSTALL (1) NEW 1x2 HYBRID CABLE FROM OVP BOX TO "VZS01 ANTENNA W/ RRH".
- INSTALL 1/2" ANTENNA JUMPERS, AS REQUIRED.

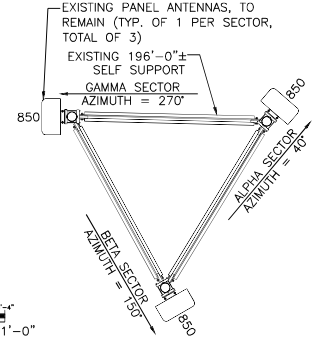
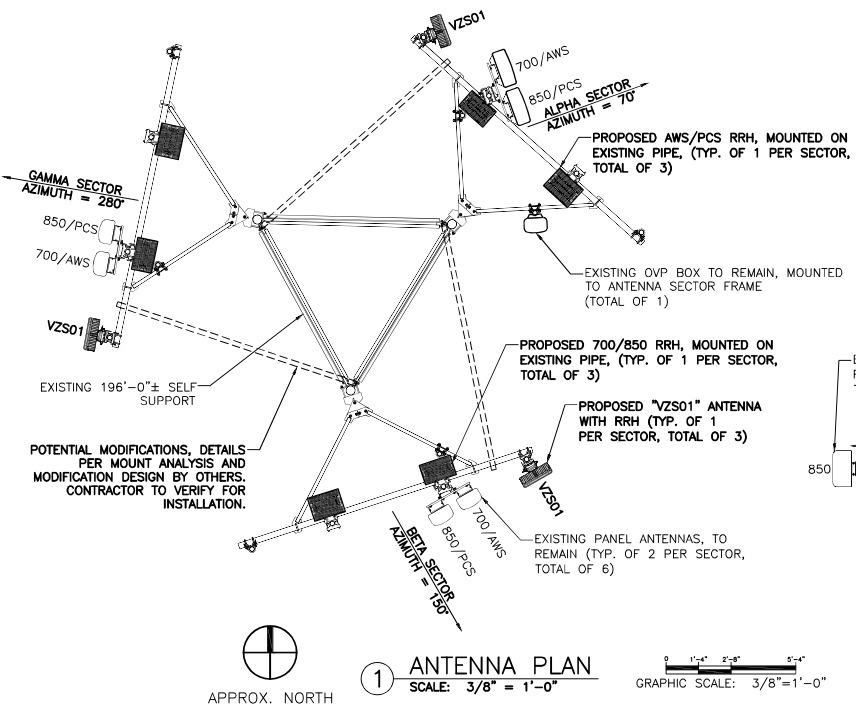
BETA SECTOR:

- INSTALL (1) NEW "VZS01 ANTENNA W/ RRH" AS SHOWN ON PLANS.
- REMOVE (3) EXISTING RRH (700, PCS & AWS).
- INSTALL (1) NEW BRO49 B5/B13 700/850 RRH AT ANTENNAS, AS SHOWN ON PLANS.
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GAMMA SECTOR:

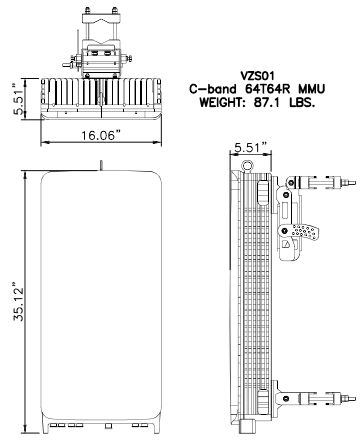
- INSTALL (1) NEW "VZS01 ANTENNA W/ RRH" AS SHOWN ON PLANS.
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- INSTALL (1) NEW 1x2 HYBRID CABLE FROM OVP BOX TO "VZS01 ANTENNA W/ RRH".
- INSTALL 1/2" ANTENNA JUMPERS, AS REQUIRED.

DESIGN SHOWN HEREIN IS BASED OFF A RFDS PROVIDED BY VERIZON WIRELESS DATED 02/09/21.

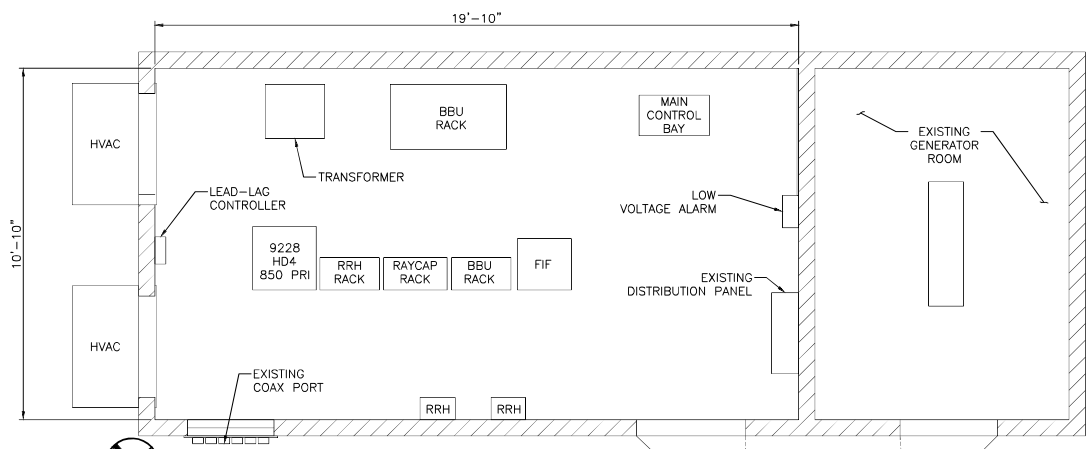


1 ANTENNA PLAN
SCALE: 3/8" = 1'-0"

GRAPHIC SCALE: 3/8" = 1'-0"



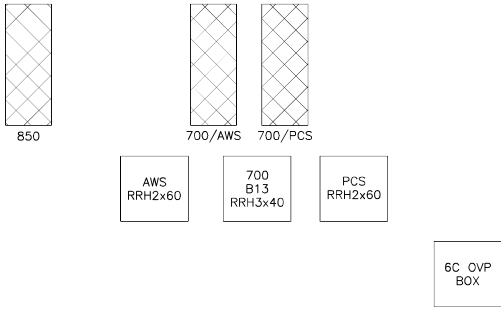
2 ANTENNA SPEC. (NOT TO EXCEED)
SCALE: N.T.S.



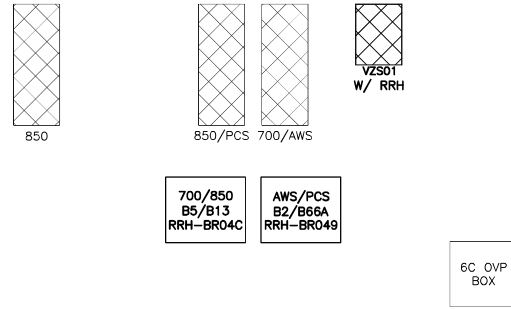
3 SHELTER PLAN
SCALE: 3/8" = 1'-0"

GRAPHIC SCALE: 1/2" = 1'-0"

NOTE: ALL ANTENNAS ARE VIEWED FROM IN FRONT

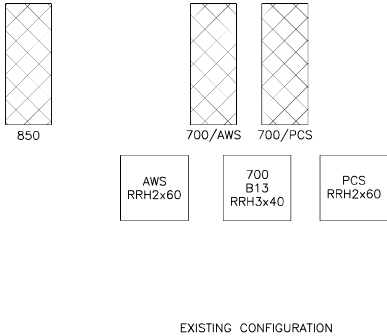


EXISTING CONFIGURATION

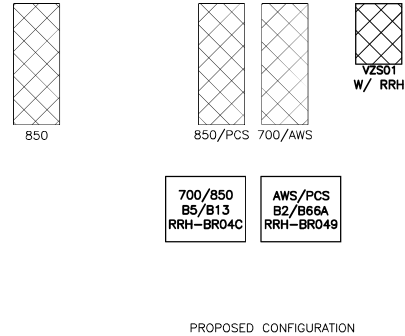


PROPOSED CONFIGURATION

ALPHA SECTOR ANTENNA CONFIGURATION

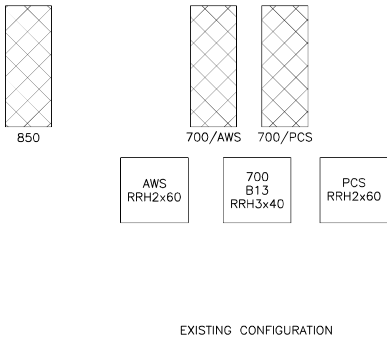


EXISTING CONFIGURATION

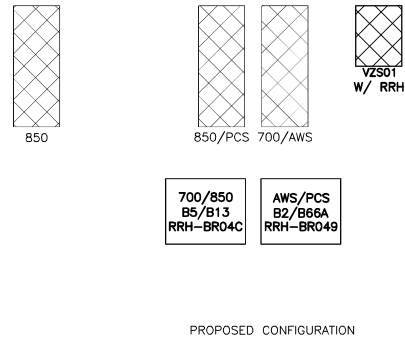


PROPOSED CONFIGURATION

BETA SECTOR ANTENNA CONFIGURATION



EXISTING CONFIGURATION



PROPOSED CONFIGURATION

GAMMA SECTOR ANTENNA CONFIGURATION

- GENERAL NOTES:**
1. INSTALL ALL EQUIPMENT, MOUNTING BRACKETS, AND HARDWARE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 2. GROUND DISTRIBUTION BOXES, MOUNTING PIPES, AND RRH'S IN ACCORDANCE WITH THE NEC ARTICLE 250 & THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
 3. INSTALLED EQUIPMENT AND MOUNTING BRACKETS SHALL NOT INTERFERE WITH CLIMBING ACCESS NOR ANY INSTALLED SAFETY DEVICES.

PREPARED BY:

nexus
TRANSFORM YOUR BUSINESS...THROUGH WIRELESS

A&E OFFICE:
300 APOLLO DRIVE, SUITE 7
CHELMSFORD, MA 01824
1 (978) 923-7965

APPLICANT:

CELLCO PARTNERSHIP d/b/a

verizon

20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

PROFESSIONAL STAMP:



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DRAWING SCALES ARE INTENDED FOR 22"x34" SIZE PRINTED MEDIA ONLY. 11"x17" IS DEEMED HALF SCALE, AND ALL OTHER PRINTED SIZES ARE DEEMED "NOT TO SCALE".

SUBMITTALS			
REV	DATE	DESCRIPTION	BY
0	02/12/21	PER CONSTRUCTION	MLB

SITE INFORMATION:
SITE NAME:
WILLIMANTIC CT
LOCATION CODE:
467900
SITE ADDRESS:
**349 MOUNTAIN STREET
WILLIMANTIC, CT 06226**

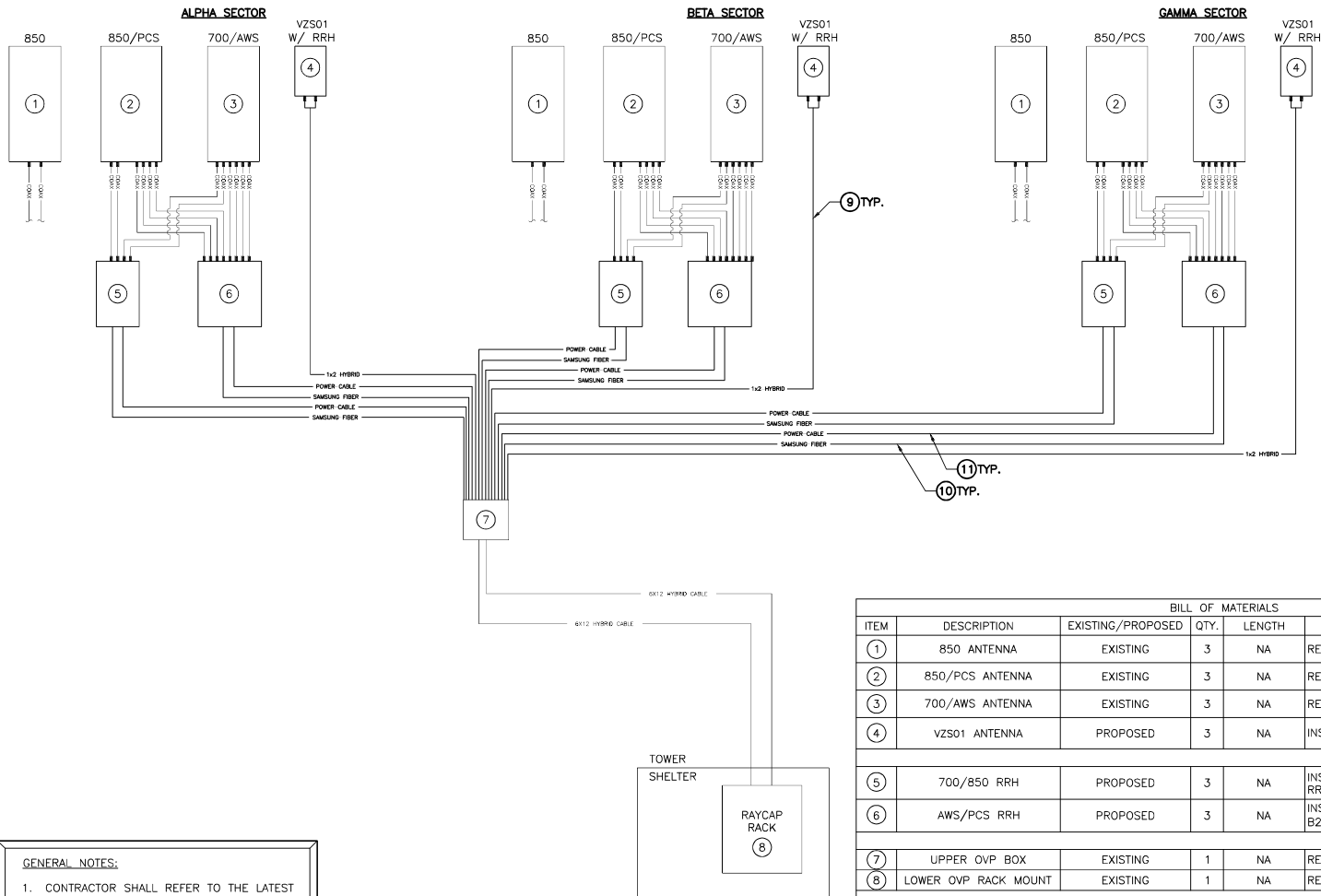
DRAWN BY: MLB	DATE: 02/12/21
CHECKED BY: KB	DATE: 02/12/21

NEXUS PROJECT NO.:
VZ11509

SHEET TITLE:
**ANTENNA SECTOR
CONFIGURATIONS, DETAILS
& NOTES**

SHEET NUMBER:
A-3

NOTE: ALL ANTENNAS ARE VIEWED FROM IN FRONT



GENERAL NOTES:

- CONTRACTOR SHALL REFER TO THE LATEST VERIZON WIRELESS' RFD'S WHICH MAY INCLUDE ANTENNA SECTOR AZIMUTHS/ANTENNA CHANGES, ETC. THAT ARE REQUIRED AS PART OF THE PROJECT.
- CONTRACTOR SHALL SECURE ALL CONTROL CABLES IN ACCORDANCE WITH INDUSTRY STANDARDS & MANUFACTURERS' INSTRUCTIONS. EXTERIOR CONTROL CABLES MAY BE TAPED OR TIE-WRAPPED TO EXISTING COAXIAL CABLES EVERY 4' MAX. FOR HORIZONTAL RUNS. CONTRACTOR MAY USE HOISTING GRIPS AT TOP OF VERTICAL CABLE RUNS IN CERTAIN APPLICATIONS.
- RET CABLES SHALL BE ROUTED & SECURED ON STRUCTURAL MEMBERS ONLY. DO NOT LOOP THE CABLES IN MID-AIR BETWEEN ANTENNAS.
- CONTRACTOR SHALL VERIFY ALL CABLE LENGTHS PRIOR TO CONSTRUCTION.

BILL OF MATERIALS					
ITEM	DESCRIPTION	EXISTING/PROPOSED	QTY.	LENGTH	COMMENTS
①	850 ANTENNA	EXISTING	3	NA	RETAIN EXISTING PANEL ANTENNA
②	850/PCS ANTENNA	EXISTING	3	NA	RETAIN EXISTING PANEL ANTENNA
③	700/AWS ANTENNA	EXISTING	3	NA	RETAIN EXISTING PANEL ANTENNA
④	VZS01 ANTENNA	PROPOSED	3	NA	INSTALL NEW "VZS01" ANTENNA W/ RRH
⑤	700/850 RRH	PROPOSED	3	NA	INSTALL NEW RRH: 700/850 SAMSUNG B5/B13 RRH BRO4C AT ANTENNAS
⑥	AWS/PCS RRH	PROPOSED	3	NA	INSTALL NEW RRH: AWS/PCS SAMSUNG B2/B66A RRH BRO49 AT ANTENNAS
⑦	UPPER OVP BOX	EXISTING	1	NA	RETAIN EXISTING OVP BOX AT ANTENNAS
⑧	LOWER OVP RACK MOUNT	EXISTING	1	NA	RETAIN EXISTING RAYCAP WITHIN SHELTER
⑨	1x2 HYBRID	PROPOSED	3	15'	INSTALL AT NEW "VZS01" ANTENNA W/ RRH
⑩	SAMSUNG FIBER	PROPOSED	6	15'	INSTALL NEW AT 700/850 & AWS/PCS RRH
⑪	POWER CABLE	PROPOSED	6	15'	INSTALL NEW AT 700/850 & AWS/PCS RRH
12	SIDE-BY-SIDE MOUNT	EXISTING	3	NA	RETAIN EXISTING SIDE-BY-SIDE MOUNT

1. ITEMS SHOWN ARE FOR MAJOR DESIGN ELEMENTS ONLY. REFER TO VERIZON WIRELESS' B.O.M. FOR ALL MANUFACTURERS PART NUMBERS & ACCESSORY ITEMS REQUIRED FOR A COMPLETE INSTALLATION.
 2. CONTRACTOR SHALL REFER TO THE LATEST VERIZON WIRELESS RFD'S WHICH MAY INCLUDE ANTENNA SECTOR AZIMUTHS/ANTENNA CHANGES, ETC. THAT ARE REQUIRED AS PART OF THE PROJECT.
 * SIGNIFIES LEASE ONLY.

PREPARED BY:



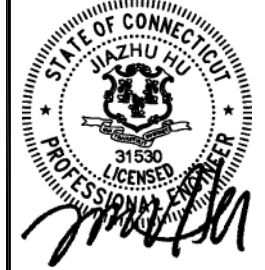
A&E OFFICE:
 300 APOLLO DRIVE, SUITE 7
 CHELMSFORD, MA 01824
 1 (978) 923-7965

APPLICANT:
 CELLCO PARTNERSHIP d/b/a



20 ALEXANDER DRIVE, 2ND FLOOR
 WALLINGFORD, CT 06492

PROFESSIONAL STAMP:



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SUBMITTALS			
REV	DATE	DESCRIPTION	BY
0	02/12/21	PER CONSTRUCTION	MLB

SITE INFORMATION: SITE NAME:
WILLIMANTIC CT
 LOCATION CODE:
467900
 SITE ADDRESS:
349 MOUNTAIN STREET
WILLIMANTIC, CT 06226

DRAWN BY:	DATE:
MLB	02/12/21
CHECKED BY:	DATE:
KB	02/12/21

NEXIUS PROJECT NO.: VZ11509

SHEET TITLE:
RET SYSTEM WIRING SCHEMATIC

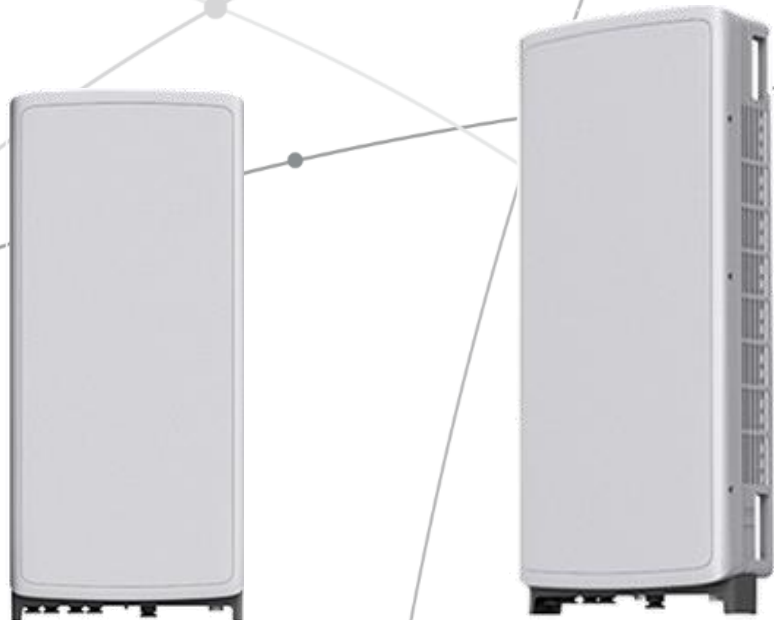
SHEET NUMBER:

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

Samsung C-Band 64T64R Massive MIMO Radio enables mobile operators to increase coverage range, boost data speeds and ultimately offer enriched 5G experiences to users in the U.S..

Model Code : MT6407-77A



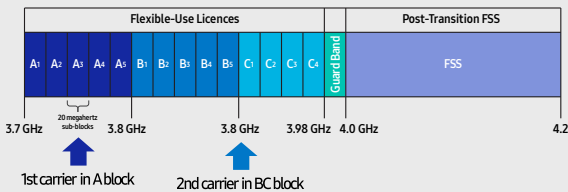
Points of Differentiation

Wide Bandwidth

With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

Samsung C-Band massive MIMO Radio covers the entire C-Band 280 MHz spectrum, so it can meet the operator's needs in current A block and future B/C blocks

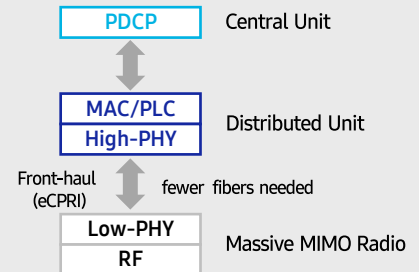
C-Band spectrum supported by Massive MIMO Radio



Future Proof Product

Samsung C-Band 64T64R Massive MIMO radio supports not only CPRI but also eCPRI as front-haul interface.

It enables operators can cut down on OPEX/CAPEX by reducing front-haul bandwidth through low layer split and using ethernet based higher efficient line.

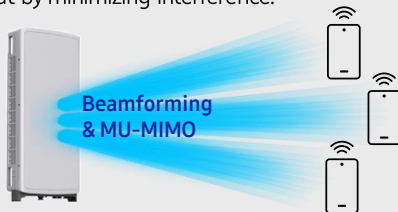


Enhanced Performance

C-Band massive MIMO Radio creates sharp beams and extends networks' coverage on the critical mid-band spectrum using a large number of antenna elements and high output power to boost data speeds.

This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

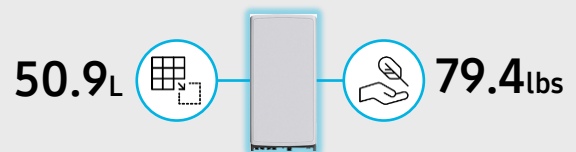
Furthermore, as C-Band massive MIMO Radio supports MU-MIMO (Multi-user MIMO), it enables to increase user throughput by minimizing interference.



Well Matched Design

Samsung C-Band Massive MIMO radio utilizes 64 antennas, supports up to 280MHz bandwidth, and delivers a 200W output power. Despite the above advanced performance, the Radio has a compact size of 50.9L and 79.4lbs. This makes it easy to install the Radio.

It is designed to look solid and compact, with a low profile appearance so that, when installed, harmonizes well with the surrounding environment.



Technical Specifications

Item	Specification
Tech	NR
Band	n77
Frequency Band	3700 - 3980 MHz
EIRP	78.5dBm (53.0 dBm+25.5 dBi)
IBW/OBW	280 MHz / 200 MHz
Installation	Pole/Wall
Size/Weight	16.06 x 35.06 x 5.51 inch (50.86L) / 79.4 lbs



SAMSUNG



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Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI, foundry and LED solutions.

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SAMSUNG

Dual-Band Radio Unit AWS/PCS (B66/B2)

RFV01U-D1A

Samsung's RFV01U-D1A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.



The RFV01U-D1A RU targets dual-band support across Band 66 (AWS) and Band 2 (PCS), making it an ideal product for broad coverage footprints across multiple common mid-range frequencies.

The RU handles all Radio Frequency (RF) processing in a single, compact unit, and is designed to interface via CPRI with Samsung's CDU baseband offerings, in both distributed- and central-RAN configurations.

In addition to its minimal footprint and ease of installation, the RU is also designed to reduce cost of ownership through its integrated spectrum analyzer, which allows for remote RF monitoring, greatly reducing the need for on-site maintenance visits.

Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation
- Built-in Broadcast Auxiliary Services (BAS) filter ensures compliant AWS operation without impacting footprint

Key Technical Specifications

Duplex Type: FDD

Operating Frequencies:

B66: DL(2,110-2,180MHz)/UL(1,710-1,780MHz)

B2: DL(1,930-1,990MHz)/UL(1,850-1,910MHz)

Instantaneous Bandwidth:

70MHz(B66) + 60MHz(B2)

RF Chain: 4T4R/2T4R/2T2R

Output Power: Total 320W

DU-RU Interface: CPRI (10Gbps)

Dimensions: 380 x 380 x 255mm (36.8L)

Weight: 38.3kg

Input Power: -48V DC

Operating Temp.: -40 - 55°(w/o solar load)

Cooling: Natural convection

SAMSUNG

Dual-Band Radio Unit 700/850MHz (B13/B5) RFV01U-D2A

Samsung's RFV01U-D2A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.



The RFV01U-D2A RU targets dual-band support across Band 13 (700MHz) and Band 5 (850MHz), making it an ideal product for broad coverage footprints across multiple common low-end, long-range frequencies.

The RU handles all Radio Frequency (RF) processing in a single, compact unit, and is designed to interface via CPRI with Samsung's CDU baseband offerings, in both distributed- and central-RAN configurations.

In addition to its minimal footprint and ease of installation, the RU is also designed to reduce cost of ownership through its integrated spectrum analyzer, which allows for remote RF monitoring, greatly reducing the need for on-site maintenance visits.

Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation

Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
B13: DL(746-756MHz)/UL(777-787MHz)
B5: DL(869-894MHz)/UL(824-849MHz)
Instantaneous Bandwidth: 10MHz(B13) + 25MHz(B5)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 207mm (29.9L)
Weight: 31.9kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

ATTACHMENT 3

	General	Power	Density					
Site Name: Willimantic (Windham)								
Tower Height: Verizon @ 120ft and 185ft								
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	CALC. POWER DENS	FREQ.	MAX. PERMISS. EXP.	FRACTION MPE	Total
*T-Mobile	2	2334	168	2100	0.0640	1.0000	0.64%	
*T-Mobile	2	2334	168	1900	0.0640	1.0000	0.64%	
*T-Mobile	2	683	168	2100	0.0187	1.0000	0.19%	
*T-Mobile	2	1167	168	1950	0.0320	1.0000	0.32%	
*T-Mobile	2	1167	168	1950	0.0320	1.0000	0.32%	
*T-Mobile	1	865	168	700	0.0119	0.4667	0.25%	
*Eversource	4	124	155	217	0.0080	0.2000	0.40%	
*CL&P	1	100	167	37.62	0.0014	0.2000	0.07%	
*CL&P	1	250	167	451.675	0.0035	0.3011	0.12%	
*CL&P	1	1000	140	154.46375	0.0200	0.2000	1.00%	
*CL&P	1	380	140	173.25	0.0076	0.2000	0.38%	
*CL&P	1	100	137	37.48	0.0021	0.2000	0.10%	
*CL&P	5	20	133	217	0.0022	0.2000	0.11%	
VZW 700	4	1084	120	0.0037	751	0.5007	2.16%	
VZW CDMA	2	329	185	0.0015	878.49	0.5857	0.12%	
VZW Cellular	4	550	120	0.0042	874	0.5827	0.94%	
VZW PCS	4	1396	120	0.0090	1977.5	1.0000	1.39%	
VZW AWS	4	2576	120	0.0092	2120	1.0000	2.57%	
VZW CBAND	4	6531	120	0.0386	3730.08	1.0000	6.52%	
								18.24%
* Source: Siting Council								

ATTACHMENT 4



Tower Engineering Solutions

Phone (972) 483-0607, Fax (972) 975-9615
1320 Greenway Drive, Suite 600, Irving, Texas 75038

Structural Analysis Report

Existing 196 ft Rohn Self Supporting Tower

Customer Name: SBA Communications Corp

Customer Site Number: CT06462-A-2

Customer Site Name: Mountain Street

Carrier Name: Verizon (App#: 155877-1)

Carrier Site ID / Name: 467900 / Willimantic_CT

Site Location: 349 Mountain Street

Windham, Connecticut

Windham County

Latitude: 41.703011

Longitude: -72.221391

Exp.10/31/2021

Analysis Result:

Max Structural Usage: 53.4% [Pass]

Max Foundation Usage: 43.0% [Pass]

Additional Usage Caused by New Mount/Mount Modification:



07/16/2021

Report Prepared By : Tawfeeq Alajaj

Introduction

The purpose of this report is to summarize the analysis results on the 196 ft Rohn Self Supporting Tower to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	Original fabrications drawings prepared by ROHN Industries, Inc. Dated 09-27-2001. Drawing No C011214. Eng. File No 49204TT. Previous structural report prepared by Tower Engineering Solutions. Dated 12-04-2019. TES Project No 90207.
Foundation Drawing	Original foundation drawings prepared by ROHN Industries, Inc. Dated 08-31-2001. Drawing No A012046-1. Eng. File No 49204TT.
Geotechnical Report	Geotechnical report prepared by BL Companies. Dated 12-01-2000. Project No
Modification Drawings	
Mount Analysis	Verizon MA by Maser Consulting Connecticut Project #: 20777649A. Dated

Analysis Criteria

The comprehensive analysis was performed in accordance with the requirements and stipulations of the
In accordance with this standard, the structure was analyzed using **TESTowers**, a proprietary analysis software. The program considers the structure as an elastic 3-D model with second-order effects and temperature effects incorporated in the analysis. The analysis was performed using multiple wind directions.

Wind Speed Used in the Analysis:	121.0 mph (3-Sec. Gust) (Ultimate wind speed)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 1" radial ice concurrent
Service Load Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	ANSI/TIA/EIA 222-H, 2018 IBC & 2018 Connecticut State Building Code
Exposure Category:	
Risk Category:	
Topographic Category:	
Crest Height:	0 ft
Seismic Parameters:	

This structural analysis is based upon the tower being classified as a Structure Class II; however, if a different classification is required subsequent to the date hereof, the tower classification will be changed to meet such requirement and a new structural analysis will be run.

Existing Antennas, Mounts and Transmission Lines

The table below summarizes the antennas, mounts and transmission lines that were considered in the analysis as existing on the tower.

Items	Elevation (ft.)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			Antel BXA-80080/4FC - Panel	Direct		Verizon
			RFS Celwave FD9R6004/2C-3L			
			Ericsson AIR21 B2/B4 - Panel	(3) 10' T Frames	(Stacked 6/6); (2) 1 5/8" Fiber	T-Mobile
			Ericsson AIR32 B66aa/B2a - Panel			
		3	Commscope LNX-6515DS-A1M - Panel			
			EMS RR90-17-02DP - Panel			
			Ericsson KRY 112 144			
			Ericsson RRUS11 B12			
			Commscope DB586-Y Omni	(1) Sidearm (Commscope S-200)	(8) 7/8" Coax; (1) 1/2" Coax	Connecticut Light & Power
			RFS 458-2 Omni	(1) Sidearm (Commscope S-400)		
			RFS BA1312-0 Omni	(1) Sidearm (Commscope S-400)		
			Powerwave LGP104 TMA	(1) Sidearm (Site Pro USF-4U)		
			Telewave ANT220F2 Omni	(1) Sidearm (Site Pro USF-4U)		
			Telewave ANT220F2 Omni	(1) 6' Sidearm (Commscope S-600)		
			RFS 220-3AN Omni	(1) 4' Sidearm (Wireless Solutions)		
			RFS 220-7N Omni	(1) 6' Sidearm (Commscope S-600)		
			Kreco CO-36A Omni			
			Commscope SBNHH-1D45B - Panel	(3) 10' T-Frames	(2) 1 5/8" Fiber	Verizon
			Commscope SBNHH-1D65B - Panel			
			Alcatel Lucent RRH2X60-AWS			
			Alcatel Lucent RRH2x60-700			
			Alcatel Lucent RRH2X60-PCS			
			RFS Celwave DB-T1-6Z-8AB-OZ			

Proposed Carrier’s Final Configuration of Antennas, Mounts and Transmission Lines

Information pertaining to the proposed carrier’s final configuration of antennas and transmission lines was provided by SBA Communications Corp. The proposed antennas and lines are listed below.

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			Antel - BXA-80080/4CF - Panel	Direct		Verizon
			RFS Celwave FD9R6004/2C-3L			
			CommScope - sbnhh-1d45b - Panel	(3) 10' T-Frames	(2) 1 5/8" Fiber	
			CommScope - SBNHH-1D65B - Panel			
			Samsung - MT6407-77A - Panel			
			Samsung B2/B66A RRH-BR049			
			Samsung B5/B13 RRH-BR04C (RFV01U-			
			Rfs Celwave DB-T1-6Z-8AB-0Z			

See the attached coax layout for the line placement considered in the analysis.

Analysis Results

The results of the structural analysis, performed for the wind and ice loading and antenna equipment as defined above, are summarized as the following:

Tower Component	Legs	Diagonals	Horizontals
Max. Usage:			
Pass/Fail	Pass	Pass	Pass

Foundations

	Compression (Kips)	Uplift (Kips)	Shear (Kips)
Original Design Reactions			
Analysis Reactions			
Factored Reactions*			
% of Design Reactions			

* Per section 15.5.1 of the TIA-222-G standard, factored reactions were obtained by multiplying a 1.35 factor to the original design reactions.

The foundation has been investigated using the supplied documents and soils report and was found adequate. Therefore, no modification to the foundation will be required.

Operational Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 0.1443 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

Based on the analysis results, the existing structure and its foundation were found to be adequate to safely support the existing and proposed equipment and meet the minimum requirements per the TIA-222 Standard under the design basic wind speed as specified in the Analysis Criteria.

Standard Conditions

This analysis was performed based on the information supplied to **Tower Engineering Solutions,** Verification of the information provided was not included in the Scope of Work for . The accuracy of the analysis is dependent on the accuracy of the information provided.

The structural analysis was performance based upon the evidence available at the time of this report. All information provided by the client is considered to be accurate.

The analyses will be performed based on the codes as specified by the client or based on the best knowledge of the engineering staff of . In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/TIA-222. If wind speed and/or ice loads are different from the minimum values recommended by the ANSI/TIA-222 standard or other codes, should be notified in writing and the applicable minimum values provided by the client.

The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. has not visited the tower site to verify the adequacy of the information provided. If there is any discrepancy found in the report regarding the existing conditions, should be notified immediately to evaluate the effect of the discrepancy on the analysis results.

The client will assume responsibility for rework associated with the differences in initially provided information, including tower and foundation information, existing and/or proposed equipment and transmission lines.

If a feasibility analysis was performed, final acceptance of changed conditions shall be based upon a rigorous structural analysis.

Structure: CT06462-A-2-SBA

Site Name: Mountain Street	Code: EIA/TIA-222-H	7/16/2021
Type: Self Support	Base Shape: Triangle	Basic WS: 121.00
Height: 196.00 (ft)	Base Width: 23.00	Basic Ice WS: 50.00
Base Elev: 0.00 (ft)	Top Width: 6.60	Operational WS: 60.00



Page: 1

Section Properties

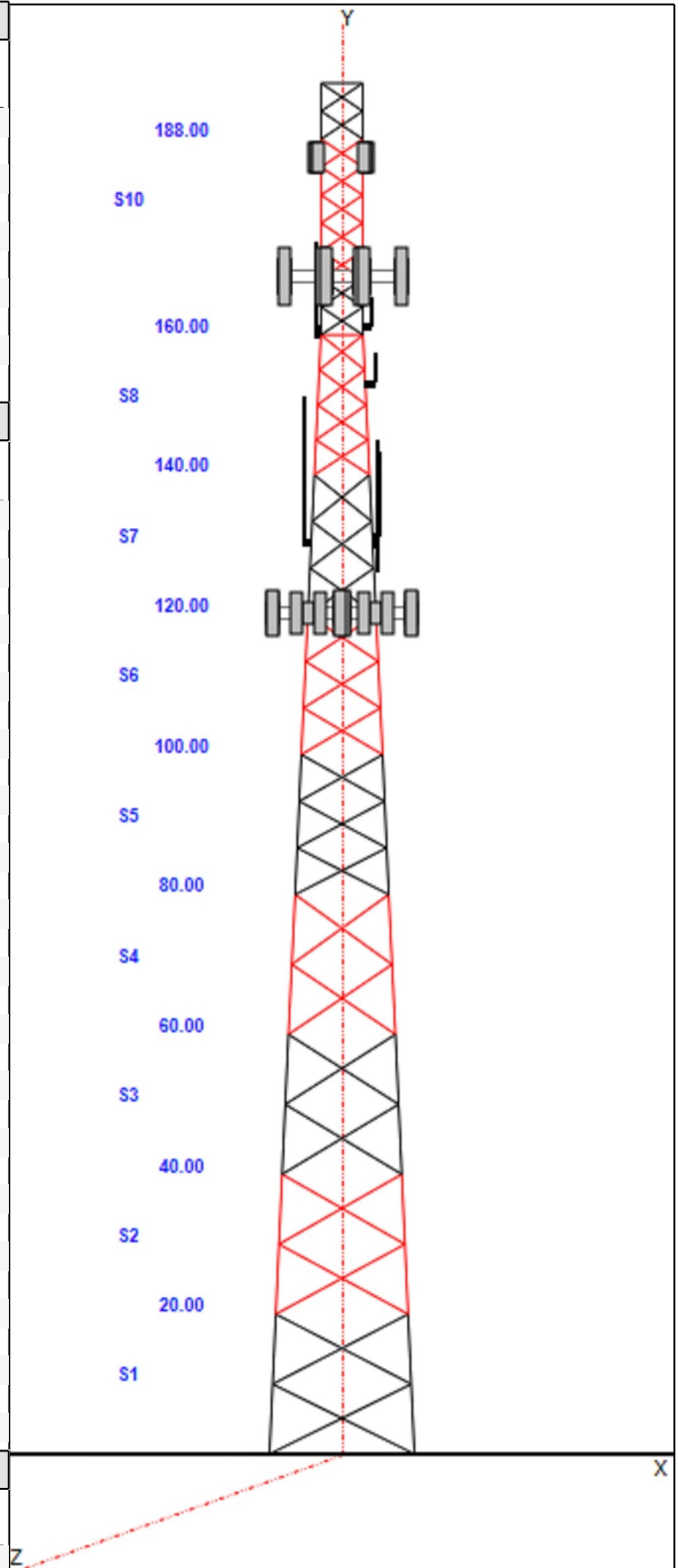
Sect	Leg Members	Diagonal Members	Horizontal Members
1	PX 8" DIA PIPE	SAE 4X4X0.25	
2	PSP ROHN 8 EHS	SAE 4X4X0.25	
3	PSP ROHN 8 EHS	SAE 3.5X3.5X0.25	
4	PX 6" DIA PIPE	SAE 3.5X3.5X0.25	
5	PSP ROHN 6 EHS	SAE 3X3X0.25	
6	PX 5" DIA PIPE	SAE 2.5X2.5X0.25	
7	PX 4" DIA PIPE	SAE 2.5X2.5X0.25	
8	PX 3" DIA PIPE	SAE 2X2X0.1875	SAE 1.75X1.75X0.1875
9-10	PST 3" DIA PIPE	SAE 2X2X0.25	
11	PST 3" DIA PIPE	SAE 1.75X1.75X0.1875	SAE 1.75X1.75X0.1875

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description
185.00	185.00	3	BXA-80080/4CF
185.00	185.00	6	RFS Celwave FD9R6004/2C-3L
168.00	168.00	3	Ericsson AIR21 B2/B4
168.00	168.00	3	Ericsson AIR32 B66aa/B2a
168.00	168.00	3	Commscope LNX-6515DS-A1M
168.00	168.00	3	EMS RR90-17-02DP
168.00	168.00	3	Ericsson KRY 112 144
168.00	168.00	3	Ericsson RRUS11 B12
168.00	168.00	3	10' T Frames
164.81	167.00	1	Commscope DB586-Y Omni
164.81	164.00	1	Powerwave LGP104 TMA
164.81	164.81	1	Sidearm (Commscope/Andrew S-200)
160.88	162.88	1	Telewave ANT220F2 Omni
160.88	160.88	1	Sidearm (Site Pro USF-4U)
160.67	165.00	1	RFS BA1312-0 Omni
160.67	160.67	1	Sidearm (Commscope S-400)
159.85	166.50	1	RFS 458-2 Omni
159.85	159.85	1	Sidearm (Commscope S-400)
152.88	155.01	1	Telewave ANT220F2 Omni
152.88	152.88	1	Sidearm (Site Pro USF-4U)
131.00	137.00	1	Kreco CO-36A Omni
131.00	131.00	1	6' Sidearm (Commscope S-600)
130.07	140.40	1	RFS 220-3AN Omni
130.07	130.07	1	6' Sidearm (Commscope/Andrew S-600)
130.00	135.32	1	RFS 220-7N Omni
130.00	130.00	1	4' Sidearm (Wireless Solutions WS-S400)
120.00	120.00	2	sbnhh-1d45b
120.00	120.00	4	SBNHH-1D65B
120.00	120.00	3	10' T-Frames
120.00	120.00	3	MT6407-77A
120.00	120.00	3	B2/B66A RRH-BR049 (RFV01U-D1A)
120.00	120.00	3	B5/B13 RRH-BR04C (RFV01U-D2A)
120.00	120.00	2	Rfs Celwave DB-T1-6Z-8AB-0Z

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Qty	Description
1.00	196.00	1	Safety Climb
3.00	196.00	0	Step bolts (ladder)
3.00	196.00	0	Step bolts (ladder)



Structure: CT06462-A-2-SBA

Site Name: Mountain Street	Code: EIA/TIA-222-H	7/16/2021
Type: Self Support	Base Shape: Triangle	Basic WS: 121.00
Height: 196.00 (ft)	Base Width: 23.00	Basic Ice WS: 50.00
Base Elev: 0.00 (ft)	Top Width: 6.60	Operational WS: 60.00



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3.00	196.00	0	Step bolts (ladder)
0.00	185.00	1	W/G Ladder (VZW)
3.00	185.00	3	1 5/8" Coax
0.00	168.00	1	W/G Ladder (TMO)
3.00	168.00	12	1 5/8" Coax
3.00	168.00	2	1 5/8" Fiber
0.00	160.00	1	W/G Ladder (CLP)
3.00	160.00	1	1/2" Coax
3.00	160.00	8	7/8" Coax
3.00	120.00	8	1 5/8" Coax
3.00	120.00	2	1 5/8" Fiber

Base Reactions

Leg	Overturning
Max Uplift: -187.74 (kips)	Moment: 4220.04 (ft-kips)
Max Down: 227.35 (kips)	Total Down: 46.45 (kips)
Max Shear: 25.04 (kips)	Total Shear: 41.18 (kips)

Structure: CT06462-A-2-SBA

Site Name: Mountain Street

Type: Self Support

Height: 196.00 (ft)

Base Elev: 0.00 (ft)

Base Shape: Triangle

Base Width: 23.00

Top Width: 6.60

Code: EIA/TIA-222-H

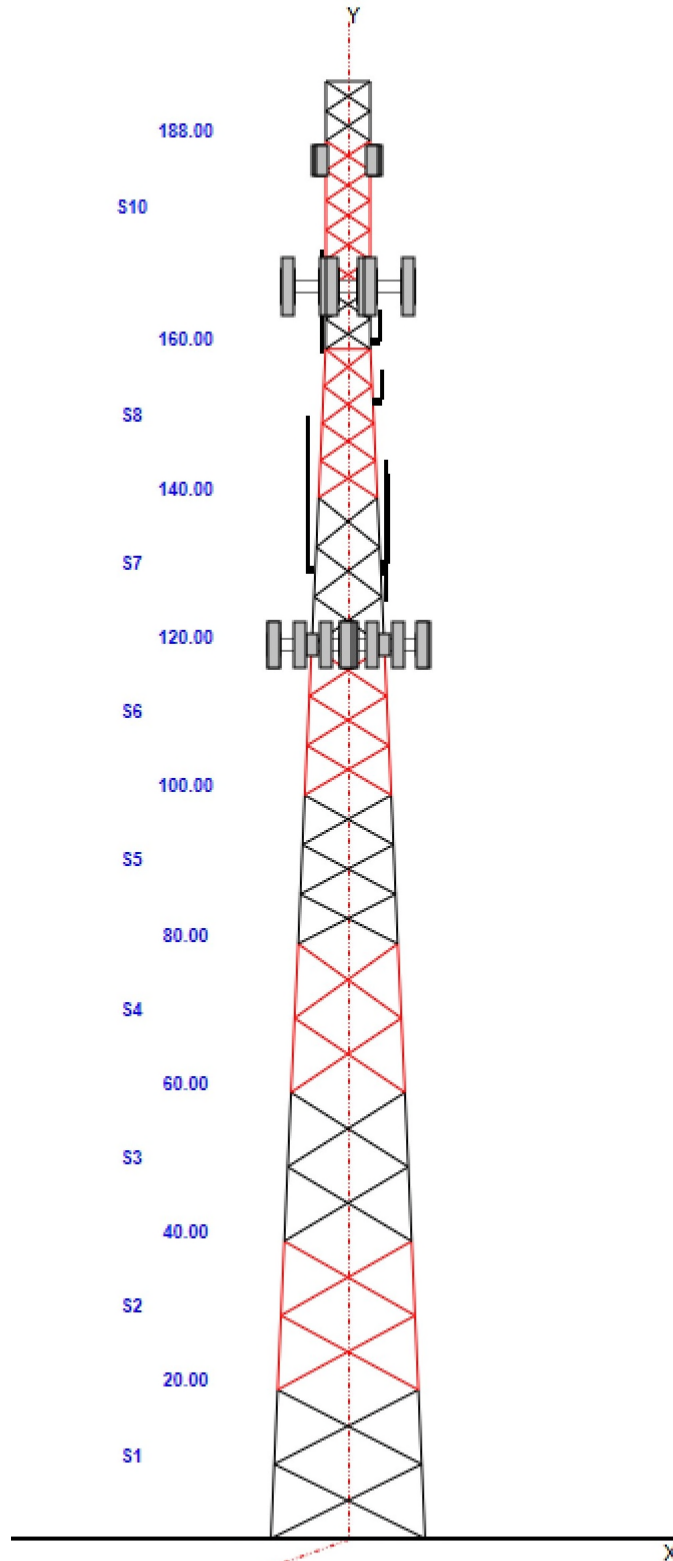
Basic WS: 121.00

Basic Ice WS: 50.00

Operational WS: 60.00

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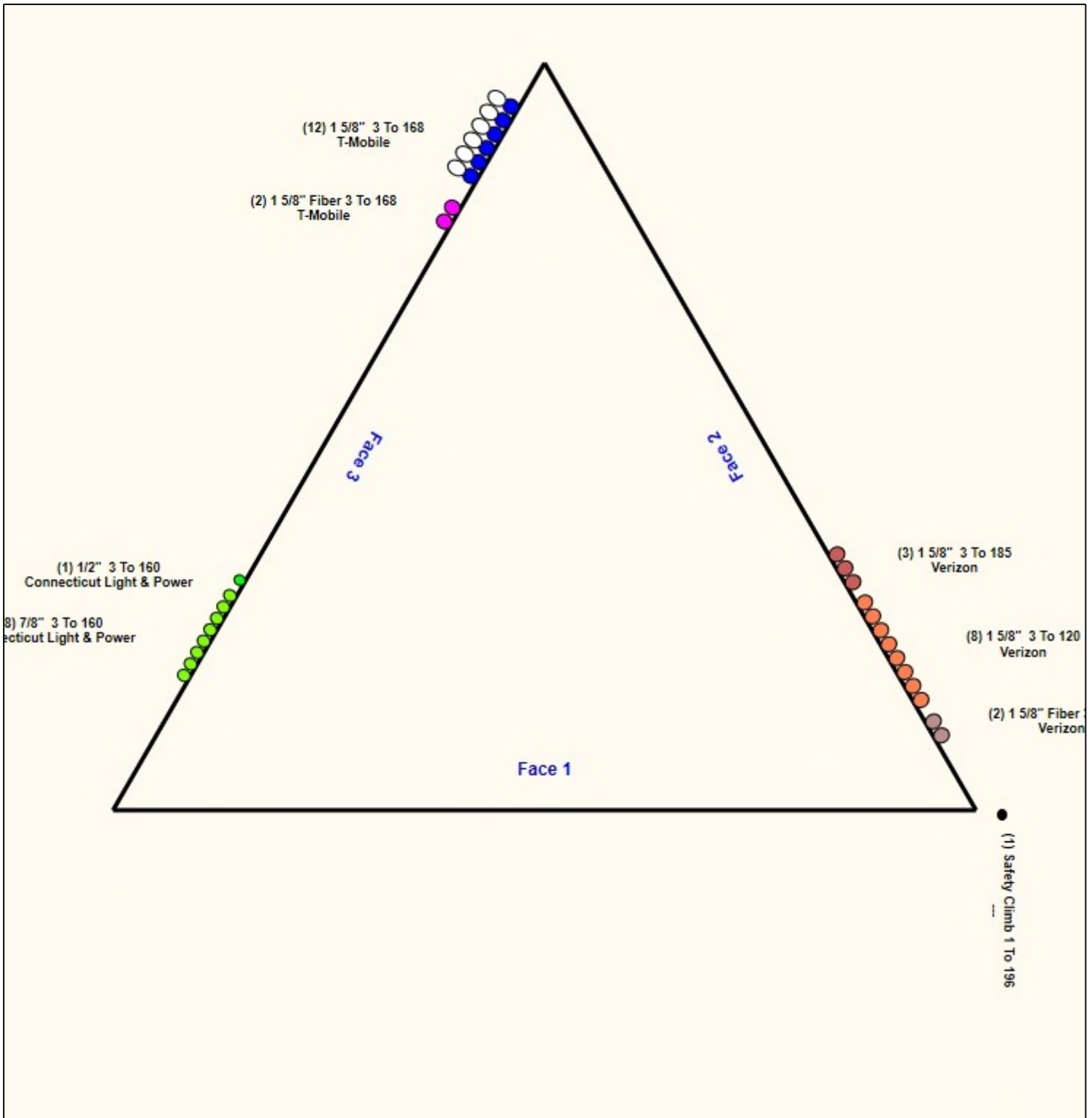
Structure: CT06462-A-2-SBA - Coax Line Placement

Type: Self Support
Site Name: Mountain Street
Height: 196.00 (ft)

7/16/2021



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Loading Summary

Structure: CT06462-A-2-SBA	Code: EIA/TIA-222-H	7/16/2021
Site Name: Mountain Street	Exposure: B	
Height: 196.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 0.85	Topography: 1	Struct Class: II



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Discrete Appurtenances Properties

Attach Elev (ft)	Description	Qty	No Ice		Ice		Len (in)	Width (in)	Depth (in)	Ka	Orientation Factor	Vert Ecc (ft)
			Weight (lb)	CaAa (sf)	Weight (lb)	CaAa (sf)						
185.00	BXA-80080/4CF	3	14.30	4.800	87.68	6.070	48.200	11.200	5.900	1.00	1.00	0.000
185.00	RFS Celwave FD9R6004/2C-3L	6	3.10	0.310	8.54	0.569	5.800	6.500	1.500	1.00	0.60	0.000
168.00	Ericsson AIR21 B2/B4	3	91.50	6.050	198.02	6.768	56.000	12.000	8.000	0.80	0.86	0.000
168.00	Ericsson AIR32 B66aa/B2a	3	132.20	6.050	238.72	6.768	56.000	12.000	8.000	0.80	0.86	0.000
168.00	Commscope LNX-6515DS-A1M	3	49.80	10.640	204.21	12.678	96.200	10.900	5.900	0.80	0.82	0.000
168.00	EMS RR90-17-02DP	3	18.00	4.360	78.07	5.000	56.000	8.000	2.800	0.80	0.73	0.000
168.00	Ericsson KRY 112 144	3	11.00	1.140	18.25	2.029	13.230	10.340	6.300	0.80	0.60	0.000
168.00	Ericsson RRUS11 B12	3	50.00	1.380	93.67	1.613	16.240	10.170	6.900	0.80	0.67	0.000
168.00	10' T Frames	3	500.00	15.000	852.17	28.148	0.000	0.000	0.000	0.75	0.75	0.000
164.81	Commscope DB586-Y Omni	1	8.25	1.010	39.42	1.657	52.560	2.500	2.500	1.00	1.00	2.190
164.81	Powerwave LGP104 TMA	1	7.00	0.230	12.73	0.386	7.000	4.000	1.200	1.00	1.00	-0.810
164.81	Sidearm (Commscope/Andrew)	1	40.00	2.630	94.00	6.645	10.000	0.000	0.000	1.00	1.00	0.000
160.88	Telewave ANT220F2 Omni	1	11.00	1.040	33.93	1.639	51.000	2.800	2.800	1.00	1.00	2.000
160.88	Sidearm (Site Pro USF-4U)	1	165.00	5.150	329.56	9.688	20.000	0.000	0.000	1.00	1.00	0.000
160.67	RFS BA1312-0 Omni	1	4.40	1.730	55.43	3.804	104.000	2.000	2.000	1.00	1.00	4.330
160.67	Sidearm (Commscope S-400)	1	53.32	3.500	124.71	8.829	10.000	0.000	0.000	1.00	1.00	0.000
159.85	RFS 458-2 Omni	1	22.00	3.720	58.09	6.679	159.600	2.800	2.800	1.00	1.00	6.650
159.85	Sidearm (Commscope S-400)	1	41.00	3.500	95.86	8.795	10.000	0.000	0.000	1.00	1.00	0.000
152.88	Telewave ANT220F2 Omni	1	11.00	1.040	33.93	1.639	51.000	2.800	2.800	1.00	1.00	2.130
152.88	Sidearm (Site Pro USF-4U)	1	165.00	5.150	329.55	9.688	20.000	0.000	0.000	1.00	1.00	0.000
131.00	Kreco CO-36A Omni	1	12.00	0.750	29.94	1.339	144.000	0.620	0.620	1.00	1.00	6.000
131.00	6' Sidearm (Commscope S-600)	1	70.00	5.150	162.33	12.831	15.000	0.000	0.000	1.00	1.00	0.000
130.07	RFS 220-3AN Omni	1	24.00	5.680	119.09	10.490	248.400	2.750	2.750	1.00	1.00	10.33
130.07	6' Sidearm (Commscope/Andrew)	1	70.00	5.150	138.82	9.623	15.000	0.000	0.000	1.00	1.00	0.000
130.00	RFS 220-7N Omni	1	22.00	5.320	157.72	9.776	228.000	2.800	2.800	1.00	1.00	5.320
130.00	4' Sidearm (Wireless Solutions)	1	53.32	3.500	123.70	8.753	10.000	0.000	0.000	1.00	1.00	0.000
120.00	sbnhh-1d45b	2	64.40	14.770	296.72	15.789	76.800	22.300	12.200	0.80	0.80	0.000
120.00	SBNHH-1D65B	4	40.60	8.050	161.87	8.865	72.000	11.850	7.100	0.80	0.83	0.000
120.00	10' T-Frames	3	500.00	15.000	838.38	27.633	0.000	0.000	0.000	0.75	0.75	0.000
120.00	MT6407-77A	3	79.40	4.690	151.02	5.295	35.100	16.100	5.500	0.80	0.70	0.000
120.00	B2/B66A RRH-BR049	3	84.40	1.870	129.75	2.229	15.000	15.000	10.000	0.80	0.67	0.000
120.00	B5/B13 RRH-BR04C (RFV01U-D2A)	3	70.30	1.870	111.17	2.229	15.000	15.000	8.100	0.80	0.67	0.000
120.00	Rfs Celwave DB-T1-6Z-8AB-0Z	2	18.90	4.800	97.15	5.450	24.000	24.000	10.000	0.80	1.00	0.000
Totals:		67	5,929.59		12,428.66						Number of Appurtenances :	33

Loading Summary

Structure: CT06462-A-2-SBA	Code: EIA/TIA-222-H	7/16/2021
Site Name: Mountain Street	Exposure: B	
Height: 196.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 0.85	Topography: 1	Struct Class: II



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Linear Appurtenances Properties

Elev. From (ft)	Elev. To (ft)	Description	Qty	Width (in)	Weight (lb/ft)	Pct In Block	Spread On Faces	Bundling Arrangement	Cluster Dia (in)	Out of Zone	Spacing (in)	Orientation Factor	Ka Override
1.00	196.00	Safety Climb	1	0.38	0.27	100.00	1	Individual NR		N	1.00	1.00	
3.00	196.00	Step bolts (ladder)		0.63	1.04	100.00	1	Individual NR		N	1.00	1.00	
3.00	196.00	Step bolts (ladder)		0.63	1.04	100.00	2	Individual NR		N	1.00	1.00	
3.00	196.00	Step bolts (ladder)		0.63	1.04	100.00	3	Individual NR		N	1.00	1.00	
0.00	185.00	W/G Ladder (VZW)	1	2.00	6.00	100.00	2	Individual NR		N	1.00	1.00	
3.00	185.00	1 5/8" Coax	3	1.98	1.04	100.00	2	Individual IR		N	0.50	0.64	
0.00	168.00	W/G Ladder (TMO)	1	2.50	6.00	100.00	3	Individual NR		N	1.00	1.00	
3.00	168.00	1 5/8" Coax	12	1.98	1.04	50.00	3	Block		N	0.50	1.00	
3.00	168.00	1 5/8" Fiber	2	1.98	1.04	100.00	3	Individual IR		N	0.50	1.00	
0.00	160.00	W/G Ladder (CLP)	1	3.00	6.00	100.00	3	Individual NR		N	1.00	1.00	
3.00	160.00	1/2" Coax	1	0.65	0.16	100.00	3	Individual IR		N	1.00	1.00	
3.00	160.00	7/8" Coax	8	1.11	0.52	100.00	3	Individual IR		N	0.50	1.00	
3.00	120.00	1 5/8" Coax	8	1.98	1.04	100.00	2	Individual IR		N	0.50	0.42	
3.00	120.00	1 5/8" Fiber	2	1.98	1.04	100.00	2	Individual IR		N	0.50	0.76	

Section Forces

Structure: CT06462-A-2-SBA	Code: EIA/TIA-222-H	7/16/2021
Site Name: Mountain Street	Exposure: B	
Height: 196.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 0.85	Topography: 1	Struct Class: II



Load Case: 1.2D + 1.0W Normal Wind	1.2D + 1.0W 121 mph Wind at Normal To Face
Wind Load Factor: 1.00	Wind Importance Factor: 1.00
Dead Load Factor: 1.20	
Ice Dead Load Factor: 0.00	Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	Wind qz (psf)	Total		Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Ice		Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
			Flat Area (sqft)	Round Area (sqft)								Linear Area (sqft)	Linear Area (sqft)					
1	10.0	22.30	31,267	28.80	0.00	0.13	2.84	1.00	1.00	0.00	43.67	89.04	0.00	6,528.3	0.0	2349.60	1284.77	3,634.37
2	30.0	22.32	28,860	28.80	0.00	0.14	2.81	1.00	1.00	0.00	41.35	102.48	0.00	5,727.3	0.0	2205.88	1481.64	3,687.52
3	50.0	25.83	23,184	28.80	0.00	0.14	2.81	1.00	1.00	0.00	35.08	102.48	0.00	5,321.6	0.0	2166.27	1714.46	3,880.73
4	70.0	28.43	21,246	22.13	0.00	0.13	2.84	1.00	1.00	0.00	31.63	102.48	0.00	4,847.7	0.0	2171.13	1887.46	4,058.59
5	90.0	30.55	22,280	22.12	0.00	0.15	2.76	1.00	1.00	0.00	32.63	102.48	0.00	4,493.7	0.0	2336.98	2027.97	4,364.96
6	110.0	32.35	16,430	18.58	0.00	0.14	2.80	1.00	1.00	0.00	25.69	102.48	0.00	3,921.5	0.0	1979.23	2147.64	4,126.88
7	130.0	33.93	14,331	15.03	0.00	0.14	2.79	1.00	1.00	0.00	22.39	69.48	0.00	3,096.9	0.0	1803.83	1567.29	3,371.12
8	150.0	35.35	12,808	11.69	0.00	0.15	2.76	1.00	1.00	0.00	19.44	69.48	0.00	2,404.0	0.0	1613.38	1632.70	3,246.08
9	164.0	36.26	4,976	4.67	0.00	0.17	2.69	1.00	1.00	0.00	7.64	19.44	0.00	862.1	0.0	632.37	484.56	1,116.93
10	178.0	37.12	12,376	11.67	0.00	0.17	2.68	1.00	1.00	0.00	19.03	11.87	0.00	1,624.6	0.0	1611.60	269.75	1,881.35
11	192.0	37.93	5,252	4.67	0.00	0.18	2.66	1.00	1.00	0.00	7.92	0.25	0.00	506.9	0.0	680.23	5.80	686.04
														39,334.7	0.0			34,054.58

Load Case: 1.2D + 1.0W 60° Wind	1.2D + 1.0W 121 mph Wind at 60° From Face
Wind Load Factor: 1.00	Wind Importance Factor: 1.00
Dead Load Factor: 1.20	
Ice Dead Load Factor: 0.00	Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	Wind qz (psf)	Total		Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Ice		Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
			Flat Area (sqft)	Round Area (sqft)								Linear Area (sqft)	Linear Area (sqft)					
1	10.0	22.30	31,267	28.80	0.00	0.13	2.84	0.80	1.00	0.00	37.42	89.04	0.00	6,528.3	0.0	2013.18	1284.77	3,297.95
2	30.0	22.32	28,860	28.80	0.00	0.14	2.81	0.80	1.00	0.00	35.58	102.48	0.00	5,727.3	0.0	1897.97	1481.64	3,379.60
3	50.0	25.83	23,184	28.80	0.00	0.14	2.81	0.80	1.00	0.00	30.44	102.48	0.00	5,321.6	0.0	1879.96	1714.46	3,594.42
4	70.0	28.43	21,246	22.13	0.00	0.13	2.84	0.80	1.00	0.00	27.38	102.48	0.00	4,847.7	0.0	1879.45	1887.46	3,766.92
5	90.0	30.55	22,280	22.12	0.00	0.15	2.76	0.80	1.00	0.00	28.18	102.48	0.00	4,493.7	0.0	2017.89	2027.97	4,045.86
6	110.0	32.35	16,430	18.58	0.00	0.14	2.80	0.80	1.00	0.00	22.40	102.48	0.00	3,921.5	0.0	1726.05	2147.64	3,873.70
7	130.0	33.93	14,331	15.03	0.00	0.14	2.79	0.80	1.00	0.00	19.53	69.48	0.00	3,096.9	0.0	1572.97	1567.29	3,140.26
8	150.0	35.35	12,808	11.69	0.00	0.15	2.76	0.80	1.00	0.00	16.88	69.48	0.00	2,404.0	0.0	1400.83	1632.70	3,033.53
9	164.0	36.26	4,976	4.67	0.00	0.17	2.69	0.80	1.00	0.00	6.64	19.44	0.00	862.1	0.0	549.98	484.56	1,034.53
10	178.0	37.12	12,376	11.67	0.00	0.17	2.68	0.80	1.00	0.00	16.56	11.87	0.00	1,624.6	0.0	1402.00	269.75	1,671.75
11	192.0	37.93	5,252	4.67	0.00	0.18	2.66	0.80	1.00	0.00	6.87	0.25	0.00	506.9	0.0	589.99	5.80	595.80
														39,334.7	0.0			31,434.31

Section Forces

Structure: CT06462-A-2-SBA	Code: EIA/TIA-222-H	7/16/2021
Site Name: Mountain Street	Exposure: B	
Height: 196.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 0.85	Topography: 1	Struct Class: II



Load Case: 1.2D + 1.0W 90° Wind	1.2D + 1.0W 121 mph Wind at 90° From Face
Wind Load Factor: 1.00	Wind Importance Factor: 1.00
Dead Load Factor: 1.20	
Ice Dead Load Factor: 0.00	Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	Wind qz (psf)	Total		Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Ice		Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
			Flat Area (sqft)	Round Area (sqft)								Linear Area (sqft)	Linear Area (sqft)					
1	10.0	22.30	31.267	28.80	0.00	0.13	2.84	0.85	1.00	0.00	38.98	89.04	0.00	6,528.3	0.0	2097.28	1284.77	3,382.06
2	30.0	22.32	28.860	28.80	0.00	0.14	2.81	0.85	1.00	0.00	37.02	102.48	0.00	5,727.3	0.0	1974.94	1481.64	3,456.58
3	50.0	25.83	23.184	28.80	0.00	0.14	2.81	0.85	1.00	0.00	31.60	102.48	0.00	5,321.6	0.0	1951.54	1714.46	3,666.00
4	70.0	28.43	21.246	22.13	0.00	0.13	2.84	0.85	1.00	0.00	28.44	102.48	0.00	4,847.7	0.0	1952.37	1887.46	3,839.84
5	90.0	30.55	22.280	22.12	0.00	0.15	2.76	0.85	1.00	0.00	29.29	102.48	0.00	4,493.7	0.0	2097.66	2027.97	4,125.63
6	110.0	32.35	16.430	18.58	0.00	0.14	2.80	0.85	1.00	0.00	23.22	102.48	0.00	3,921.5	0.0	1789.35	2147.64	3,936.99
7	130.0	33.93	14.331	15.03	0.00	0.14	2.79	0.85	1.00	0.00	20.25	69.48	0.00	3,096.9	0.0	1630.69	1567.29	3,197.98
8	150.0	35.35	12.808	11.69	0.00	0.15	2.76	0.85	1.00	0.00	17.52	69.48	0.00	2,404.0	0.0	1453.97	1632.70	3,086.67
9	164.0	36.26	4.976	4.67	0.00	0.17	2.69	0.85	1.00	0.00	6.89	19.44	0.00	862.1	0.0	570.57	484.56	1,055.13
10	178.0	37.12	12.376	11.67	0.00	0.17	2.68	0.85	1.00	0.00	17.18	11.87	0.00	1,624.6	0.0	1454.40	269.75	1,724.15
11	192.0	37.93	5.252	4.67	0.00	0.18	2.66	0.85	1.00	0.00	7.13	0.25	0.00	506.9	0.0	612.55	5.80	618.36
														39,334.7	0.0			32,089.38

Load Case: 0.9D + 1.0W Normal Wind	0.9D + 1.0W 121 mph Wind at Normal To Face
Wind Load Factor: 1.00	Wind Importance Factor: 1.00
Dead Load Factor: 0.90	
Ice Dead Load Factor: 0.00	Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	Wind qz (psf)	Total		Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Ice		Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
			Flat Area (sqft)	Round Area (sqft)								Linear Area (sqft)	Linear Area (sqft)					
1	10.0	22.30	31.267	28.80	0.00	0.13	2.84	1.00	1.00	0.00	43.67	89.04	0.00	4,896.3	0.0	2349.60	1284.77	3,634.37
2	30.0	22.32	28.860	28.80	0.00	0.14	2.81	1.00	1.00	0.00	41.35	102.48	0.00	4,295.5	0.0	2205.88	1481.64	3,687.52
3	50.0	25.83	23.184	28.80	0.00	0.14	2.81	1.00	1.00	0.00	35.08	102.48	0.00	3,991.2	0.0	2166.27	1714.46	3,880.73
4	70.0	28.43	21.246	22.13	0.00	0.13	2.84	1.00	1.00	0.00	31.63	102.48	0.00	3,635.8	0.0	2171.13	1887.46	4,058.59
5	90.0	30.55	22.280	22.12	0.00	0.15	2.76	1.00	1.00	0.00	32.63	102.48	0.00	3,370.3	0.0	2336.98	2027.97	4,364.96
6	110.0	32.35	16.430	18.58	0.00	0.14	2.80	1.00	1.00	0.00	25.69	102.48	0.00	2,941.1	0.0	1979.23	2147.64	4,126.88
7	130.0	33.93	14.331	15.03	0.00	0.14	2.79	1.00	1.00	0.00	22.39	69.48	0.00	2,322.6	0.0	1803.83	1567.29	3,371.12
8	150.0	35.35	12.808	11.69	0.00	0.15	2.76	1.00	1.00	0.00	19.44	69.48	0.00	1,803.0	0.0	1613.38	1632.70	3,246.08
9	164.0	36.26	4.976	4.67	0.00	0.17	2.69	1.00	1.00	0.00	7.64	19.44	0.00	646.6	0.0	632.37	484.56	1,116.93
10	178.0	37.12	12.376	11.67	0.00	0.17	2.68	1.00	1.00	0.00	19.03	11.87	0.00	1,218.5	0.0	1611.60	269.75	1,881.35
11	192.0	37.93	5.252	4.67	0.00	0.18	2.66	1.00	1.00	0.00	7.92	0.25	0.00	380.2	0.0	680.23	5.80	686.04
														29,501.0	0.0			34,054.58

Section Forces

Structure: CT06462-A-2-SBA	Code: EIA/TIA-222-H	7/16/2021
Site Name: Mountain Street	Exposure: B	
Height: 196.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 0.85	Topography: 1	Struct Class: II



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Load Case: 0.9D + 1.0W 60° Wind	0.9D + 1.0W 121 mph Wind at 60° From Face
Wind Load Factor: 1.00	Wind Importance Factor: 1.00
Dead Load Factor: 0.90	
Ice Dead Load Factor: 0.00	Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	Wind qz (psf)	Total		Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Ice		Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
			Flat Area (sqft)	Round Area (sqft)								Linear Area (sqft)	Linear Area (sqft)					
1	10.0	22.30	31.267	28.80	0.00	0.13	2.84	0.80	1.00	0.00	37.42	89.04	0.00	4,896.3	0.0	2013.18	1284.77	3,297.95
2	30.0	22.32	28.860	28.80	0.00	0.14	2.81	0.80	1.00	0.00	35.58	102.48	0.00	4,295.5	0.0	1897.97	1481.64	3,379.60
3	50.0	25.83	23.184	28.80	0.00	0.14	2.81	0.80	1.00	0.00	30.44	102.48	0.00	3,991.2	0.0	1879.96	1714.46	3,594.42
4	70.0	28.43	21.246	22.13	0.00	0.13	2.84	0.80	1.00	0.00	27.38	102.48	0.00	3,635.8	0.0	1879.45	1887.46	3,766.92
5	90.0	30.55	22.280	22.12	0.00	0.15	2.76	0.80	1.00	0.00	28.18	102.48	0.00	3,370.3	0.0	2017.89	2027.97	4,045.86
6	110.0	32.35	16.430	18.58	0.00	0.14	2.80	0.80	1.00	0.00	22.40	102.48	0.00	2,941.1	0.0	1726.05	2147.64	3,873.70
7	130.0	33.93	14.331	15.03	0.00	0.14	2.79	0.80	1.00	0.00	19.53	69.48	0.00	2,322.6	0.0	1572.97	1567.29	3,140.26
8	150.0	35.35	12.808	11.69	0.00	0.15	2.76	0.80	1.00	0.00	16.88	69.48	0.00	1,803.0	0.0	1400.83	1632.70	3,033.53
9	164.0	36.26	4.976	4.67	0.00	0.17	2.69	0.80	1.00	0.00	6.64	19.44	0.00	646.6	0.0	549.98	484.56	1,034.53
10	178.0	37.12	12.376	11.67	0.00	0.17	2.68	0.80	1.00	0.00	16.56	11.87	0.00	1,218.5	0.0	1402.00	269.75	1,671.75
11	192.0	37.93	5.252	4.67	0.00	0.18	2.66	0.80	1.00	0.00	6.87	0.25	0.00	380.2	0.0	589.99	5.80	595.80
														29,501.0	0.0			31,434.31

Load Case: 0.9D + 1.0W 90° Wind	0.9D + 1.0W 121 mph Wind at 90° From Face
Wind Load Factor: 1.00	Wind Importance Factor: 1.00
Dead Load Factor: 0.90	
Ice Dead Load Factor: 0.00	Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	Wind qz (psf)	Total		Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Ice		Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
			Flat Area (sqft)	Round Area (sqft)								Linear Area (sqft)	Linear Area (sqft)					
1	10.0	22.30	31.267	28.80	0.00	0.13	2.84	0.85	1.00	0.00	38.98	89.04	0.00	4,896.3	0.0	2097.28	1284.77	3,382.06
2	30.0	22.32	28.860	28.80	0.00	0.14	2.81	0.85	1.00	0.00	37.02	102.48	0.00	4,295.5	0.0	1974.94	1481.64	3,456.58
3	50.0	25.83	23.184	28.80	0.00	0.14	2.81	0.85	1.00	0.00	31.60	102.48	0.00	3,991.2	0.0	1951.54	1714.46	3,666.00
4	70.0	28.43	21.246	22.13	0.00	0.13	2.84	0.85	1.00	0.00	28.44	102.48	0.00	3,635.8	0.0	1952.37	1887.46	3,839.84
5	90.0	30.55	22.280	22.12	0.00	0.15	2.76	0.85	1.00	0.00	29.29	102.48	0.00	3,370.3	0.0	2097.66	2027.97	4,125.63
6	110.0	32.35	16.430	18.58	0.00	0.14	2.80	0.85	1.00	0.00	23.22	102.48	0.00	2,941.1	0.0	1789.35	2147.64	3,936.99
7	130.0	33.93	14.331	15.03	0.00	0.14	2.79	0.85	1.00	0.00	20.25	69.48	0.00	2,322.6	0.0	1630.69	1567.29	3,197.98
8	150.0	35.35	12.808	11.69	0.00	0.15	2.76	0.85	1.00	0.00	17.52	69.48	0.00	1,803.0	0.0	1453.97	1632.70	3,086.67
9	164.0	36.26	4.976	4.67	0.00	0.17	2.69	0.85	1.00	0.00	6.89	19.44	0.00	646.6	0.0	570.57	484.56	1,055.13
10	178.0	37.12	12.376	11.67	0.00	0.17	2.68	0.85	1.00	0.00	17.18	11.87	0.00	1,218.5	0.0	1454.40	269.75	1,724.15
11	192.0	37.93	5.252	4.67	0.00	0.18	2.66	0.85	1.00	0.00	7.13	0.25	0.00	380.2	0.0	612.55	5.80	618.36
														29,501.0	0.0			32,089.38

Section Forces

Structure: CT06462-A-2-SBA	Code: EIA/TIA-222-H	7/16/2021
Site Name: Mountain Street	Exposure: B	
Height: 196.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 0.85	Topography: 1	
	Struct Class: II	Page: 10



Load Case: 1.2D + 1.0Di + 1.0Wi Normal Wind	1.2D + 1.0Di + 1.0Wi 50 mph Wind at Normal From Face
Wind Load Factor: 1.00	Wind Importance Factor: 1.00
Dead Load Factor: 1.20	
Ice Dead Load Factor: 1.00	Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Area		Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Ice Area		Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
			Flat Area (sqft)	Round Area (sqft)								Linear Area (sqft)	Linear Area (sqft)					
1	10.0	3.81	31.267	49.02	20.23	0.18	2.68	1.00	1.00	0.89	59.24	119.39	11.68	10,820.	4292.5	513.83	319.34	833.17
2	30.0	3.81	28.860	50.18	21.38	0.19	2.63	1.00	1.00	0.99	57.60	140.59	13.21	10,646.	4918.9	491.16	371.41	862.57
3	50.0	4.41	23.184	50.07	21.27	0.19	2.62	1.00	1.00	1.04	51.90	141.80	13.90	10,112.	4791.2	508.99	435.13	944.11
4	70.0	4.86	21.246	42.84	20.72	0.19	2.62	1.00	1.00	1.08	45.80	142.63	14.37	9,487.9	4640.2	495.52	483.70	979.22
5	90.0	5.22	22.280	46.53	24.41	0.24	2.48	1.00	1.00	1.11	49.34	143.27	14.74	9,419.6	4925.9	543.07	517.05	1,060.12
6	110.0	5.52	16.430	41.48	22.90	0.23	2.50	1.00	1.00	1.13	40.51	143.79	15.04	8,393.6	4472.1	474.69	551.35	1,026.04
7	130.0	5.79	14.331	36.28	21.26	0.24	2.45	1.00	1.00	1.15	35.51	96.92	15.29	6,650.3	3553.4	429.30	473.84	903.14
8	150.0	6.04	12.808	35.04	23.35	0.29	2.32	1.00	1.00	1.16	33.70	93.32	19.39	5,863.4	3459.4	401.03	486.24	887.28
9	164.0	6.19	4.976	13.87	9.20	0.33	2.22	1.00	1.00	1.17	13.42	25.13	4.70	2,035.7	1173.6	156.71	126.71	283.42
10	178.0	6.34	12.376	34.78	23.11	0.33	2.21	1.00	1.00	1.18	33.58	16.64	7.30	3,703.9	2079.2	400.41	87.34	487.75
11	192.0	6.48	5.252	15.29	10.63	0.36	2.14	1.00	1.00	1.19	14.75	0.25	1.59	1,289.9	783.0	174.03	7.75	181.78
														78,424.3	39089.6			8,448.61

Load Case: 1.2D + 1.0Di + 1.0Wi 60° Wind	1.2D + 1.0Di + 1.0Wi 50 mph Wind at 60° From Face
Wind Load Factor: 1.00	Wind Importance Factor: 1.00
Dead Load Factor: 1.20	
Ice Dead Load Factor: 1.00	Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Area		Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Ice Area		Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
			Flat Area (sqft)	Round Area (sqft)								Linear Area (sqft)	Linear Area (sqft)					
1	10.0	3.81	31.267	49.02	20.23	0.18	2.68	0.80	1.00	0.89	52.99	119.39	11.68	10,820.	4292.5	459.59	319.34	778.93
2	30.0	3.81	28.860	50.18	21.38	0.19	2.63	0.80	1.00	0.99	51.82	140.59	13.21	10,646.	4918.9	441.94	371.41	813.35
3	50.0	4.41	23.184	50.07	21.27	0.19	2.62	0.80	1.00	1.04	47.26	141.80	13.90	10,112.	4791.2	463.51	435.13	898.63
4	70.0	4.86	21.246	42.84	20.72	0.19	2.62	0.80	1.00	1.08	41.55	142.63	14.37	9,487.9	4640.2	449.55	483.70	933.25
5	90.0	5.22	22.280	46.53	24.41	0.24	2.48	0.80	1.00	1.11	44.88	143.27	14.74	9,419.6	4925.9	494.02	517.05	1,011.07
6	110.0	5.52	16.430	41.48	22.90	0.23	2.50	0.80	1.00	1.13	37.23	143.79	15.04	8,393.6	4472.1	436.19	551.35	987.54
7	130.0	5.79	14.331	36.28	21.26	0.24	2.45	0.80	1.00	1.15	32.64	96.92	15.29	6,650.3	3553.4	394.65	473.84	868.48
8	150.0	6.04	12.808	35.04	23.35	0.29	2.32	0.80	1.00	1.16	31.14	93.32	19.39	5,863.4	3459.4	370.55	486.24	856.79
9	164.0	6.19	4.976	13.87	9.20	0.33	2.22	0.80	1.00	1.17	12.42	25.13	4.70	2,035.7	1173.6	145.09	126.71	271.80
10	178.0	6.34	12.376	34.78	23.11	0.33	2.21	0.80	1.00	1.18	31.11	16.64	7.30	3,703.9	2079.2	370.90	87.34	458.24
11	192.0	6.48	5.252	15.29	10.63	0.36	2.14	0.80	1.00	1.19	13.69	0.25	1.59	1,289.9	783.0	161.63	7.75	169.39
														78,424.3	39089.6			8,047.48

Section Forces

Structure: CT06462-A-2-SBA	Code: EIA/TIA-222-H	7/16/2021
Site Name: Mountain Street	Exposure: B	
Height: 196.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 0.85	Topography: 1	Struct Class: II



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Load Case: 1.2D + 1.0Di + 1.0Wi 90° Wind	1.2D + 1.0Di + 1.0Wi 50 mph Wind at 90° From Face
Wind Load Factor: 1.00	Wind Importance Factor: 1.00
Dead Load Factor: 1.20	
Ice Dead Load Factor: 1.00	Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Area		Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Ice Area		Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
			Flat Area (sqft)	Round Area (sqft)								Linear Area (sqft)	Linear Area (sqft)					
1	10.0	3.81	31,267	49.02	20.23	0.18	2.68	0.85	1.00	0.89	54.55	119.39	11.68	10,820.	4292.5	473.15	319.34	792.49
2	30.0	3.81	28,860	50.18	21.38	0.19	2.63	0.85	1.00	0.99	53.27	140.59	13.21	10,646.	4918.9	454.24	371.41	825.65
3	50.0	4.41	23,184	50.07	21.27	0.19	2.62	0.85	1.00	1.04	48.42	141.80	13.90	10,112.	4791.2	474.88	435.13	910.00
4	70.0	4.86	21,246	42.84	20.72	0.19	2.62	0.85	1.00	1.08	42.62	142.63	14.37	9,487.9	4640.2	461.04	483.70	944.74
5	90.0	5.22	22,280	46.53	24.41	0.24	2.48	0.85	1.00	1.11	46.00	143.27	14.74	9,419.6	4925.9	506.28	517.05	1,023.34
6	110.0	5.52	16,430	41.48	22.90	0.23	2.50	0.85	1.00	1.13	38.05	143.79	15.04	8,393.6	4472.1	445.82	551.35	997.17
7	130.0	5.79	14,331	36.28	21.26	0.24	2.45	0.85	1.00	1.15	33.36	96.92	15.29	6,650.3	3553.4	403.31	473.84	877.15
8	150.0	6.04	12,808	35.04	23.35	0.29	2.32	0.85	1.00	1.16	31.78	93.32	19.39	5,863.4	3459.4	378.17	486.24	864.42
9	164.0	6.19	4,976	13.87	9.20	0.33	2.22	0.85	1.00	1.17	12.67	25.13	4.70	2,035.7	1173.6	148.00	126.71	274.71
10	178.0	6.34	12,376	34.78	23.11	0.33	2.21	0.85	1.00	1.18	31.73	16.64	7.30	3,703.9	2079.2	378.28	87.34	465.62
11	192.0	6.48	5,252	15.29	10.63	0.36	2.14	0.85	1.00	1.19	13.96	0.25	1.59	1,289.9	783.0	164.73	7.75	172.49
														78,424.3	39089.6			8,147.76

Load Case: 1.0D + 1.0W Normal Wind	1.0D + 1.0W 60 mph Wind at Normal To Face
Wind Load Factor: 1.00	Wind Importance Factor: 1.00
Dead Load Factor: 1.00	
Ice Dead Load Factor: 0.00	Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Area		Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Ice Area		Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
			Flat Area (sqft)	Round Area (sqft)								Linear Area (sqft)	Linear Area (sqft)					
1	10.0	5.48	31,267	28.80	0.00	0.13	2.84	1.00	1.00	0.00	47.57	89.04	0.00	5,440.3	0.0	629.21	315.91	945.12
2	30.0	5.49	28,860	28.80	0.00	0.14	2.81	1.00	1.00	0.00	45.17	102.48	0.00	4,772.8	0.0	592.56	364.31	956.87
3	50.0	6.35	23,184	28.80	0.00	0.14	2.81	1.00	1.00	0.00	39.50	102.48	0.00	4,434.7	0.0	599.72	421.56	1,021.28
4	70.0	6.99	21,246	22.13	0.00	0.13	2.84	1.00	1.00	0.00	33.77	102.48	0.00	4,039.7	0.0	569.94	464.10	1,034.03
5	90.0	7.51	22,280	22.12	0.00	0.15	2.76	1.00	1.00	0.00	34.84	102.48	0.00	3,744.7	0.0	613.49	498.65	1,112.14
6	110.0	7.96	16,430	18.58	0.00	0.14	2.80	1.00	1.00	0.00	26.96	102.48	0.00	3,267.9	0.0	510.73	528.07	1,038.80
7	130.0	8.34	14,331	15.03	0.00	0.14	2.79	1.00	1.00	0.00	22.85	69.48	0.00	2,580.7	0.0	452.57	385.37	837.94
8	150.0	8.69	12,808	11.69	0.00	0.15	2.76	1.00	1.00	0.00	19.44	69.48	0.00	2,003.4	0.0	396.71	401.46	798.16
9	164.0	8.92	4,976	4.67	0.00	0.17	2.69	1.00	1.00	0.00	7.64	19.44	0.00	718.4	0.0	155.49	119.14	274.64
10	178.0	9.13	12,376	11.67	0.00	0.17	2.68	1.00	1.00	0.00	19.03	11.87	0.00	1,353.9	0.0	396.27	66.33	462.60
11	192.0	9.33	5,252	4.67	0.00	0.18	2.66	1.00	1.00	0.00	7.92	0.25	0.00	422.4	0.0	167.26	1.43	168.69
														32,778.9	0.0			8,650.26

Section Forces

Structure: CT06462-A-2-SBA	Code: EIA/TIA-222-H	7/16/2021
Site Name: Mountain Street	Exposure: B	
Height: 196.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 0.85	Topography: 1	Struct Class: II
		Page: 12



Load Case: 1.0D + 1.0W 60° Wind	1.0D + 1.0W 60 mph Wind at 60° From Face
Wind Load Factor: 1.00	Wind Importance Factor: 1.00
Dead Load Factor: 1.00	
Ice Dead Load Factor: 0.00	Ice Importance Factor: 1.00

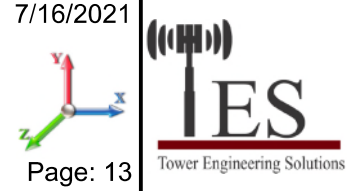
Sect Seq	Wind Height (ft)	qz (psf)	Total Area		Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Ice Area		Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)	
			Flat Area (sqft)	Round Area (sqft)								Linear Area (sqft)	Linear Area (sqft)						
1	10.0	5.48	31,267	28.80	0.00	0.13	2.84	0.80	1.00	0.00	41.31	89.04	0.00	5,440.3	0.0	546.49	315.91	862.40	
2	30.0	5.49	28,860	28.80	0.00	0.14	2.81	0.80	1.00	0.00	39.40	102.48	0.00	4,772.8	0.0	516.85	364.31	881.16	
3	50.0	6.35	23,184	28.80	0.00	0.14	2.81	0.80	1.00	0.00	34.86	102.48	0.00	4,434.7	0.0	529.31	421.56	950.87	
4	70.0	6.99	21,246	22.13	0.00	0.13	2.84	0.80	1.00	0.00	29.52	102.48	0.00	4,039.7	0.0	498.22	464.10	962.31	
5	90.0	7.51	22,280	22.12	0.00	0.15	2.76	0.80	1.00	0.00	30.39	102.48	0.00	3,744.7	0.0	535.03	498.65	1,033.67	
6	110.0	7.96	16,430	18.58	0.00	0.14	2.80	0.80	1.00	0.00	23.67	102.48	0.00	3,267.9	0.0	448.48	528.07	976.55	
7	130.0	8.34	14,331	15.03	0.00	0.14	2.79	0.80	1.00	0.00	19.98	69.48	0.00	2,580.7	0.0	395.80	385.37	781.17	
8	150.0	8.69	12,808	11.69	0.00	0.15	2.76	0.80	1.00	0.00	16.88	69.48	0.00	2,003.4	0.0	344.44	401.46	745.90	
9	164.0	8.92	4,976	4.67	0.00	0.17	2.69	0.80	1.00	0.00	6.64	19.44	0.00	718.4	0.0	135.23	119.14	254.38	
10	178.0	9.13	12,376	11.67	0.00	0.17	2.68	0.80	1.00	0.00	16.56	11.87	0.00	1,353.9	0.0	344.73	66.33	411.06	
11	192.0	9.33	5,252	4.67	0.00	0.18	2.66	0.80	1.00	0.00	6.87	0.25	0.00	422.4	0.0	145.07	1.43	146.50	
														32,778.9	0.0				8,005.97

Load Case: 1.0D + 1.0W 90° Wind	1.0D + 1.0W 60 mph Wind at 90° From Face
Wind Load Factor: 1.00	Wind Importance Factor: 1.00
Dead Load Factor: 1.00	
Ice Dead Load Factor: 0.00	Ice Importance Factor: 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Area		Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Ice Area		Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)	
			Flat Area (sqft)	Round Area (sqft)								Linear Area (sqft)	Linear Area (sqft)						
1	10.0	5.48	31,267	28.80	0.00	0.13	2.84	0.85	1.00	0.00	42.88	89.04	0.00	5,440.3	0.0	567.17	315.91	883.08	
2	30.0	5.49	28,860	28.80	0.00	0.14	2.81	0.85	1.00	0.00	40.85	102.48	0.00	4,772.8	0.0	535.77	364.31	900.09	
3	50.0	6.35	23,184	28.80	0.00	0.14	2.81	0.85	1.00	0.00	36.02	102.48	0.00	4,434.7	0.0	546.91	421.56	968.47	
4	70.0	6.99	21,246	22.13	0.00	0.13	2.84	0.85	1.00	0.00	30.58	102.48	0.00	4,039.7	0.0	516.15	464.10	980.24	
5	90.0	7.51	22,280	22.12	0.00	0.15	2.76	0.85	1.00	0.00	31.50	102.48	0.00	3,744.7	0.0	554.64	498.65	1,053.29	
6	110.0	7.96	16,430	18.58	0.00	0.14	2.80	0.85	1.00	0.00	24.49	102.48	0.00	3,267.9	0.0	464.04	528.07	992.11	
7	130.0	8.34	14,331	15.03	0.00	0.14	2.79	0.85	1.00	0.00	20.70	69.48	0.00	2,580.7	0.0	409.99	385.37	795.37	
8	150.0	8.69	12,808	11.69	0.00	0.15	2.76	0.85	1.00	0.00	17.52	69.48	0.00	2,003.4	0.0	357.51	401.46	758.97	
9	164.0	8.92	4,976	4.67	0.00	0.17	2.69	0.85	1.00	0.00	6.89	19.44	0.00	718.4	0.0	140.30	119.14	259.44	
10	178.0	9.13	12,376	11.67	0.00	0.17	2.68	0.85	1.00	0.00	17.18	11.87	0.00	1,353.9	0.0	357.61	66.33	423.94	
11	192.0	9.33	5,252	4.67	0.00	0.18	2.66	0.85	1.00	0.00	7.13	0.25	0.00	422.4	0.0	150.62	1.43	152.04	
														32,778.9	0.0				8,167.04

Force/Stress Compression Summary

Structure: CT06462-A-2-SBA	Code: EIA/TIA-222-H	7/16/2021
Site Name: Mountain Street	Exposure: B	
Height: 196.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 0.85	Topography: 1	Struct Class: II



LEG MEMBERS

Sect	Top Elev	Member	Force		Load Case	Len (ft)	Bracing %			Fy (ksi)	Mem Cap (kips)	Leg Use %	Controls	
			(kips)				X	Y	Z					KL/R
1	20	PX - 8" DIA PIPE	-221.09	1.2D + 1.0W	Normal Wind	10.02	100	100	100	41.77	50.00	505.44	43.7	Member X
2	40	PSP - ROHN 8 EHS	-196.29	1.2D + 1.0W	Normal Wind	10.02	100	100	100	41.17	50.00	386.42	50.8	Member X
3	60	PSP - ROHN 8 EHS	-169.55	1.2D + 1.0W	Normal Wind	10.02	100	100	100	41.17	50.00	386.42	43.9	Member X
4	80	PX - 6" DIA PIPE	-142.70	1.2D + 1.0W	Normal Wind	10.02	100	100	100	54.90	50.00	303.24	47.1	Member X
5	100	PSP - ROHN 6 EHS	-117.57	1.2D + 1.0W	Normal Wind	6.68	100	100	100	36.01	50.00	274.76	42.8	Member X
6	120	PX - 5" DIA PIPE	-89.32	1.2D + 1.0W	Normal Wind	6.68	100	100	100	43.56	50.00	239.34	37.3	Member X
7	140	PX - 4" DIA PIPE	-61.01	1.2D + 1.0W	Normal Wind	6.68	100	100	100	54.15	50.00	160.15	38.1	Member X
8	160	PX - 3" DIA PIPE	-39.31	1.2D + 1.0W	Normal Wind	5.01	100	100	100	52.73	50.00	110.90	35.4	Member X
9	168	PST - 3" DIA PIPE	-17.15	1.2D + 1.0W	Normal Wind	4.00	100	100	100	41.38	50.00	88.54	19.4	Member X
10	188	PST - 3" DIA PIPE	-7.95	1.2D + 1.0W	Normal Wind	4.00	100	100	100	41.38	50.00	88.54	9.0	Member X
11	196	PST - 3" DIA PIPE	-0.65	1.2D + 1.0W	Normal Wind	4.00	100	100	100	41.38	50.00	88.54	0.7	Member X

Splices

Sect	Top Elev	Load Case	Top Splice				Load Case	Bottom Splice					
			Force (kips)	Cap (kips)	Use %	Bolt Type		Num Bolts	Force (kips)	Cap (kips)	Use %	Bolt Type	Num Bolts
1	20	1.2D + 1.0W Normal Wind	202.79	0.00	0.0		1.2D + 1.0W Normal Wind	227.66	0.00				
2	40	1.2D + 1.0W Normal Wind	176.41	0.00	0.0		1.2D + 1.0W Normal Wind	202.79	0.00		1	A325	8
3	60	1.2D + 1.0W Normal Wind	149.29	0.00	0.0		1.2D + 1.0W Normal Wind	176.41	0.00		1	A325	8
4	80	1.2D + 1.0W Normal Wind	122.47	0.00	0.0		1.2D + 1.0W Normal Wind	149.29	0.00		1	A325	8
5	100	1.2D + 1.0W Normal Wind	93.78	0.00	0.0		1.2D + 1.0W Normal Wind	122.47	0.00		1	A325	6
6	120	1.2D + 1.0W Normal Wind	66.08	0.00	0.0		1.2D + 1.0W Normal Wind	93.78	0.00		1	A325	6
7	140	1.2D + 1.0W Normal Wind	42.03	0.00	0.0		1.2D + 1.0W Normal Wind	66.08	0.00		1	A325	4
8	160	1.2D + 1.0W Normal Wind	19.76	0.00	0.0		1.2D + 1.0W Normal Wind	42.03	0.00		7/8	A325	4
9	168	1.2D + 1.0W Normal Wind	10.37	0.00	0.0		1.2D + 1.0W Normal Wind	19.76	0.00		7/8	A325	4
10	188	1.2D + 1.0W Normal Wind	0.99	0.00	0.0		1.2D + 1.0W Normal Wind	10.37	0.00		7/8	A325	4
11	196	1.2D + 1.0Di + 1.0Wi 60° Wind	0.21	0.00	0.0		1.2D + 1.0W Normal Wind	0.99	0.00		3/4	A325	4

HORIZONTAL MEMBERS

Sect	Top Elev	Member	Force		Load Case	Len (ft)	Bracing %			Fy (ksi)	Mem Cap (kips)	Num Bolts	Num Holes	Shear Bear		Use %	Controls	
			(kips)				X	Y	Z					KL/R	(kips)			(kips)
1	20									0.00	0	0						
2	40									0.00	0	0						
3	60									0.00	0	0						
4	80									0.00	0	0						
5	100									0.00	0	0						
6	120									0.00	0	0						
7	140									0.00	0	0						
8	160	SAE - 1.75X1.75X0.1875	-0.25	1.2D + 1.0W	90° Wind	6.69	50	50	50	118.51	36.00	12.46	1	1	13.81	13.05	2.0	Member Z
9	168									0.00	0	0						
10	188									0.00	0	0						
11	196	SAE - 1.75X1.75X0.1875	-0.01	0.9D + 1.0W	60° Wind	6.60	100	100	100	230.90	36.00	3.33	1	1	13.81	13.05	0.4	Member Z

DIAGONAL MEMBERS

Sect	Top Elev	Member	Force		Load Case	Len (ft)	Bracing %			Fy (ksi)	Mem Cap (kips)	Num Bolts	Num Holes	Shear Bear		Use %	Controls	
			(kips)				X	Y	Z					KL/R	(kips)			(kips)
1	20	SAE - 4X4X0.25	-7.53	1.2D + 1.0W	90° Wind	24.62	50	50	50	185.84	36.00	16.08	1	1	19.87	20.8	46.9	Member Z
2	40	SAE - 4X4X0.25	-7.76	1.2D + 1.0W	90° Wind	22.81	50	50	50	172.16	36.00	18.73	1	1	19.87	20.8	41.4	Member Z
3	60	SAE - 3.5X3.5X0.25	-7.33	1.2D + 1.0W	90° Wind	21.03	50	50	50	181.81	36.00	14.63	1	1	19.87	20.8	50.1	Member Z

Force/Stress Compression Summary

Structure: CT06462-A-2-SBA	Code: EIA/TIA-222-H	7/16/2021
Site Name: Mountain Street	Exposure: B	
Height: 196.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 0.85	Topography: 1	Struct Class: II



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DIAGONAL MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Len (ft)	Bracing %			Fy (ksi)	Mem Cap (kips)	Num Bolts	Num Holes	Shear Cap (kips)		Bear Cap (kips)	Use %	Controls
						X	Y	Z					KL/R				
4	80	SAE - 3.5X3.5X0.25	-6.62	1.2D + 1.0W 90° Wind	19.26	50	50	50	166.49	36.00	17.45	1	1	19.87	20.8	37.9	Member Z
5	100	SAE - 3X3X0.25	-5.91	1.2D + 1.0W 90° Wind	15.99	50	50	50	162.02	36.00	15.70	1	1	19.87	20.8	37.7	Member Z
6	120	SAE - 2.5X2.5X0.25	-5.13	1.2D + 1.0W 90° Wind	14.23	50	50	50	173.91	36.00	11.26	1	1	19.87	20.8	45.6	Member Z
7	140	SAE - 2.5X2.5X0.25	-3.75	1.2D + 1.0W Normal Wind	12.43	50	50	50	151.85	36.00	14.77	1	1	13.81	17.4	27.2	Bolt Shear
8	160	SAE - 2X2X0.1875	-2.76	1.2D + 1.0W 90° Wind	9.86	50	50	50	150.21	36.00	9.01	1	1	13.81	13.0	30.6	Member Z
9	168	SAE - 2X2X0.25	-2.53	1.2D + 1.0W 90° Wind	7.78	50	50	50	119.49	36.00	18.65	1	1	13.81	17.4	18.3	Bolt Shear
10	188	SAE - 2X2X0.25	-1.25	1.2D + 1.0W Normal Wind	7.72	50	50	50	118.82	36.00	18.82	1	1	13.81	17.4	9.1	Bolt Shear
11	196	SAE - 1.75X1.75X0.1875	-0.23	1.2D + 1.0W 90° Wind	7.72	50	50	50	135.00	36.00	9.74	1	1	13.81	13.0	2.4	Member Z

Force/Stress Tension Summary

Structure: CT06462-A-2-SBA	Code: EIA/TIA-222-H	7/16/2021
Site Name: Mountain Street	Exposure: B	
Height: 196.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 0.85	Topography: 1	Struct Class: II



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LEG MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Fy (ksi)	Mem Cap (kips)	Leg Use %	Controls
1	20	PX - 8" DIA PIPE	183.26	0.9D + 1.0W 60° Wind	50	574.20	31.9	Member
2	40	PSP - ROHN 8 EHS	162.48	0.9D + 1.0W 60° Wind	50	437.40	37.1	Member
3	60	PSP - ROHN 8 EHS	140.57	0.9D + 1.0W 60° Wind	50	437.40	32.1	Member
4	80	PX - 6" DIA PIPE	118.22	0.9D + 1.0W 60° Wind	50	378.00	31.3	Member
5	100	PSP - ROHN 6 EHS	97.19	0.9D + 1.0W 60° Wind	50	302.09	32.2	Member
6	120	PX - 5" DIA PIPE	72.84	0.9D + 1.0W 60° Wind	50	274.95	26.5	Member
7	140	PX - 4" DIA PIPE	49.74	0.9D + 1.0W 60° Wind	50	198.45	25.1	Member
8	160	PX - 3" DIA PIPE	31.47	0.9D + 1.0W 60° Wind	50	135.90	23.2	Member
9	168	PST - 3" DIA PIPE	12.33	0.9D + 1.0W 60° Wind	50	100.35	12.3	Member
10	188	PST - 3" DIA PIPE	5.96	0.9D + 1.0W 60° Wind	50	100.35	5.9	Member
11	196	PST - 3" DIA PIPE	0.29	0.9D + 1.0W 60° Wind	50	100.35	0.3	Member

Splices

Sect	Top Elev	Top Splice					Bottom Splice						
		Load Case	Force (kips)	Cap (kips)	Use %	Bolt Type	Num Bolts	Load Case	Force (kips)	Cap (kips)	Use %	Bolt Type	Num Bolts
1	20	0.9D + 1.0W 60° Wind	167.21	0.00	0.0			0.9D + 1.0W 60° Wind	189.2	0.00			
2	40	0.9D + 1.0W 60° Wind	145.31	0.00	0.0			0.9D + 1.0W 60° Wind	167.2	424.08	39.4	1 A325	8
3	60	0.9D + 1.0W 60° Wind	122.90	0.00	0.0			0.9D + 1.0W 60° Wind	145.3	424.08	34.3	1 A325	8
4	80	0.9D + 1.0W 60° Wind	100.41	0.00	0.0			0.9D + 1.0W 60° Wind	122.9	424.08	29.0	1 A325	8
5	100	0.9D + 1.0W 60° Wind	76.24	0.00	0.0			0.9D + 1.0W 60° Wind	100.4	318.06	31.6	1 A325	6
6	120	0.9D + 1.0W 60° Wind	52.04	0.00	0.0			0.9D + 1.0W 60° Wind	76.24	318.06	24.0	1 A325	6
7	140	0.9D + 1.0W 60° Wind	33.47	0.00	0.0			0.9D + 1.0W 60° Wind	52.04	212.04	24.5	1 A325	4
8	160	0.9D + 1.0W 60° Wind	14.10	0.00	0.0			0.9D + 1.0W 60° Wind	33.47	166.24	20.1	7/8 A325	4
9	168	0.9D + 1.0W 60° Wind	6.24	0.00	0.0			0.9D + 1.0W 60° Wind	14.10	166.24	8.5	7/8 A325	4
10	188	0.9D + 1.0W 60° Wind	0.42	0.00	0.0			0.9D + 1.0W 60° Wind	6.24	166.24	3.8	7/8 A325	4
11	196		0.00	0.00	0.0			0.9D + 1.0W 60° Wind	0.42	120.40	0.3	3/4 A325	4

HORIZONTAL MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Fy (ksi)	Mem Cap (kips)	Num Bolts	Num Holes	Shear Cap (kips)	Bear Cap (kips)	B.S. Cap (kips)	Use %	Controls
1	20	-			36	0.00	0	0					
2	40	-			36	0.00	0	0					
3	60	-			36	0.00	0	0					
4	80	-			36	0.00	0	0					
5	100	-			36	0.00	0	0					
6	120	-			36	0.00	0	0					
7	140	-			36	0.00	0	0					
8	160	SAE - 1.75X1.75X0.1875	0.23	0.9D + 1.0W 90° Wind	36	20.09	1	1	13.81	9.79	7.50	3.1	Blck Shear
9	168	-			36	0.00	0	0					
10	188	-			36	0.00	0	0					
11	196	SAE - 1.75X1.75X0.1875	0.02	1.2D + 1.0W Normal Wi	36	20.09	1	1	13.81	9.79	7.50	0.3	Blck Shear

DIAGONAL MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Fy (ksi)	Mem Cap (kips)	Num Bolts	Num Holes	Shear Cap (kips)	Bear Cap (kips)	B.S. Cap (kips)	Use %	Controls
1	20	SAE - 4X4X0.25	7.66	1.2D + 1.0W 90° Wind	36	62.86	1	1	19.87	14.35	16.62	53.4	Bolt Bear
2	40	SAE - 4X4X0.25	7.60	0.9D + 1.0W 90° Wind	36	62.86	1	1	19.87	14.35	16.62	53.0	Bolt Bear
3	60	SAE - 3.5X3.5X0.25	7.22	0.9D + 1.0W 90° Wind	36	54.76	1	1	19.87	14.35	16.62	50.3	Bolt Bear
4	80	SAE - 3.5X3.5X0.25	6.58	1.2D + 1.0W 90° Wind	36	54.76	1	1	19.87	14.35	16.62	45.8	Bolt Bear

Force/Stress Tension Summary

Structure: CT06462-A-2-SBA	Code: EIA/TIA-222-H	7/16/2021
Site Name: Mountain Street	Exposure: B	
Height: 196.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 0.85	Topography: 1	Struct Class: II



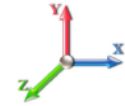
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DIAGONAL MEMBERS

Sect	Top Elev	Member	Force (kips)	Load Case	Fy (ksi)	Mem Cap (kips)	Num Bolts	Num Holes	Shear Cap (kips)	Bear Cap (kips)	B.S. Cap (kips)	Use %	Controls
5	100	SAE - 3X3X0.25	5.86	1.2D + 1.0W 90° Wind	36	46.66	1	1	19.87	14.35	13.90	42.2	Blck Shear
6	120	SAE - 2.5X2.5X0.25	5.07	1.2D + 1.0W 90° Wind	36	38.56	1	1	19.87	14.35	12.54	40.4	Blck Shear
7	140	SAE - 2.5X2.5X0.25	3.83	0.9D + 1.0W 90° Wind	36	38.56	1	1	13.81	13.05	12.71	30.1	Blck Shear
8	160	SAE - 2X2X0.1875	2.85	1.2D + 1.0W 90° Wind	36	23.00	1	1	13.81	9.79	7.50	38.0	Blck Shear
9	168	SAE - 2X2X0.25	2.59	1.2D + 1.0W 90° Wind	36	30.46	1	1	13.81	13.05	9.99	25.9	Blck Shear
10	188	SAE - 2X2X0.25	1.15	0.9D + 1.0W 60° Wind	36	30.46	1	1	13.81	13.05	9.99	11.5	Blck Shear
11	196	SAE - 1.75X1.75X0.1875	0.24	1.2D + 1.0W 90° Wind	36	20.09	1	1	13.81	9.79	7.50	3.2	Blck Shear

Seismic Section Forces

Structure: CT06462-A-2-SBA	Code: EIA/TIA-222-H	7/16/2021
Site Name: Mountain Street	Exposure: B	
Height: 196.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 0.85	Topography: 1	Struct Class: II



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Load Case: 1.2D + 1.0Ev + 1.0Eh

Dead Load Factor	1.20	Sds	0.204	Ss	0.1920	Fa	1.6000	Ke	1.0698	TL	6.0000
Seismic Load Factor	1.00	Sd1	0.088	S1	0.0550	Fv	2.4000	Kg	0.0000	Cs	0.0459
Seismic Importance Factor	1.00	W1	18.89	R	3.0000	Vs	1.7760	T	0.6396	f1	1.5634

Sect #	Elev (ft)	Wz (lb)	Lateral Fsz (lbs)	Vertical Ev (lbs)
1	10.00	5440.2	25.65	222.95
2	30.00	4772.7	72.24	195.59
3	50.00	4434.6	115.34	181.74
4	70.00	4039.7	149.61	165.55
5	90.00	3744.7	180.50	153.46
6	110.00	5799.1	357.22	237.65
7	130.00	2832.0	198.40	116.06
8	150.00	2242.3	180.12	91.89
9	164.00	3564.9	325.40	146.09
10	178.00	1415.3	132.22	58.00
11	192.00	422.41	39.33	17.31

Load Case: 0.9D + 1.0Ev + 1.0Eh

Dead Load Factor	0.90	Sds	0.204	Ss	0.1920	Fa	1.6000	Ke	1.0698	TL	6.0000
Seismic Load Factor	1.00	Sd1	0.088	S1	0.0550	Fv	2.4000	Kg	0.0000	Cs	0.0459
Seismic Importance Factor	1.00	W1	18.89	R	3.0000	Vs	1.7760	T	0.6396	f1	1.5634

Sect #	Elev (ft)	Wz (lb)	Lateral Fsz (lbs)	Vertical Ev (lbs)
1	10.00	5440.2	25.65	222.95
2	30.00	4772.7	72.24	195.59
3	50.00	4434.6	115.34	181.74
4	70.00	4039.7	149.61	165.55
5	90.00	3744.7	180.50	153.46
6	110.00	5799.1	357.22	237.65
7	130.00	2832.0	198.40	116.06
8	150.00	2242.3	180.12	91.89
9	164.00	3564.9	325.40	146.09
10	178.00	1415.3	132.22	58.00
11	192.00	422.41	39.33	17.31

Support Forces Summary

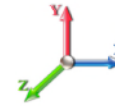
Structure: CT06462-A-2-SBA

Code: EIA/TIA-222-H

7/16/2021

Site Name: Mountain Street

Exposure: B



Height: 196.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 0.85

Topography: 1

Struct Class: II

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Load Case	Node	FX (kips)	FY (kips)	FZ (kips)	(-) = Uplift (+) = Down
1.2D + 1.0W Normal Wind	1	-0.01	227.35	-25.04	
	1a	8.11	-90.50	-8.06	
	1b	-8.10	-90.39	-8.08	
1.2D + 1.0W 60° Wind	1	-2.71	115.40	-12.29	
	1a	-11.97	115.07	3.85	
	1b	-18.73	-184.02	-10.84	
1.2D + 1.0W 90° Wind	1	-3.22	15.47	-1.01	
	1a	-18.83	190.84	9.09	
	1b	-17.18	-159.85	-8.08	
0.9D + 1.0W Normal Wind	1	-0.01	223.31	-24.78	
	1a	8.33	-94.28	-8.19	
	1b	-8.32	-94.19	-8.21	
0.9D + 1.0W 60° Wind	1	-2.72	111.45	-12.04	
	1a	-11.74	111.13	3.72	
	1b	-18.95	-187.74	-10.97	
0.9D + 1.0W 90° Wind	1	-3.22	11.60	-0.75	
	1a	-18.61	186.83	8.96	
	1b	-17.41	-163.60	-8.21	
1.2D + 1.0Di + 1.0Wi Normal Wind	1	-0.01	84.33	-4.62	
	1a	3.50	3.04	-2.82	
	1b	-3.50	3.24	-2.82	
1.2D + 1.0Di + 1.0Wi 60° Wind	1	-0.67	56.33	-1.49	
	1a	-1.61	56.23	0.18	
	1b	-6.26	-21.96	-3.62	
1.2D + 1.0Di + 1.0Wi 90° Wind	1	-0.78	30.14	1.42	
	1a	-3.36	75.79	1.50	
	1b	-5.82	-15.32	-2.92	
1.2D + 1.0Ev + 1.0Eh	1	0.00	26.73	5.25	
	1a	5.89	10.65	-3.50	
	1b	-5.89	10.65	-3.50	
0.9D + 1.0Ev + 1.0Eh	1	0.00	22.85	5.51	
	1a	6.11	6.78	-3.63	
	1b	-6.11	6.78	-3.63	
1.0D + 1.0W Normal Wind	1	0.00	65.59	-6.91	
	1a	1.51	-13.49	-1.73	
	1b	-1.51	-13.40	-1.74	
1.0D + 1.0W 60° Wind	1	-0.70	37.75	-3.70	
	1a	-3.54	37.66	1.25	
	1b	-4.18	-36.70	-2.42	
1.0D + 1.0W 90° Wind	1	-0.83	12.89	-0.85	
	1a	-5.27	56.49	2.58	
	1b	-3.80	-30.67	-1.73	

Max Reactions

Leg

Overturning

Max Uplift: -187.74 (kips)

Max Down: 227.35 (kips)

Max Shear: 25.04 (kips)

Moment: 4220.04 (ft-kips)

Total Down: 46.45 (kips)

Total Shear: 41.18 (kips)

Analysis Summary

Structure: CT06462-A-2-SBA	Code: EIA/TIA-222-H	7/16/2021
Site Name: Mountain Street	Exposure: B	
Height: 196.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 0.85	Topography: 1	Struct Class: II
		Page: 20



Max Reactions

	Leg	Overturning
Max Uplift:	-187.74 (kips)	Moment: 4220.04 (ft-kips)
Max Down:	227.35 (kips)	Total Down: 46.45 (kips)
Max Shear:	25.04 (kips)	Total Shear: 41.18 (kips)

Anchor Bolts

Bolt Size (in.): 1.00	Number Bolts: 10	Type: UnGrouted
Yield Strength (Ksi): 109.00	Tensile Strength (Ksi): 125.00	
	Length: 0.75	

Interaction Ratios:

Tensile: **0.34** Compression: **0.30**

Max Usages

Max Leg: 50.8% (1.2D + 1.0W Normal Wind - Sect 2)
 Max Diag: 53.4% (1.2D + 1.0W 90° Wind - Sect 1)
 Max Horiz: 3.1% (0.9D + 1.0W 90° Wind - Sect 8)

Max Deflection, Twist and Sway

Load Case	Elevation (ft)	Deflection (ft)	Twist (deg)	Sway (deg)
0.9D + 1.0Ev + 1.0Eh - Normal To Face	120.00	0.0226	0.0010	0.0209
	126.67	0.0250	0.0010	0.0224
	133.33	0.0276	-0.0011	0.0240
	155.00	0.0375	-0.0012	0.0296
	160.00	0.0400	-0.0012	0.0301
	164.00	0.0421	0.0012	0.0307
	168.00	0.0443	0.0011	0.0310
0.9D + 1.0W 121 mph Wind at 60° From Face	120.00	0.3786	-0.1171	0.3591
	126.67	0.4205	0.0288	0.3662
	133.33	0.4674	-0.1673	0.3999
	155.00	0.6363	0.0302	0.4841
	160.00	0.6797	-0.2141	0.4976
	164.00	0.7134	0.0421	0.5105
	168.00	0.7508	-0.2115	0.5159
0.9D + 1.0W 121 mph Wind at 90° From Face	120.00	0.3838	-0.1580	0.3653
	126.67	0.4271	0.0435	0.3599
	133.33	0.4736	-0.2269	0.4036
	155.00	0.6445	0.0365	0.4901
	160.00	0.6889	-0.3015	0.5010
	164.00	0.7236	0.0514	0.5131
	168.00	0.7611	-0.3004	0.5224
184.00	0.9083	-0.2970	0.5342	

0.9D + 1.0W 121 mph Wind at Normal To Face	120.00	0.4013	-0.0194	0.3815
	126.67	0.4463	-0.0266	0.4282
	133.33	0.4957	-0.0081	0.4784
	155.00	0.6755	-0.0084	0.5255
	160.00	0.7217	-0.0090	0.5876
	164.00	0.7581	-0.0110	0.5501
	168.00	0.7977	-0.0105	0.5527
	184.00	0.9530	-0.0099	0.5625

1.0D + 1.0W 60 mph Wind at 60° From Face	120.00	0.0936	-0.0290	0.0882
	126.67	0.1039	0.0054	0.0900
	133.33	0.1154	-0.0415	0.0983
	155.00	0.1566	0.0058	0.1187
	160.00	0.1673	-0.0505	0.1214
	164.00	0.1756	0.0075	0.1246
	168.00	0.1847	-0.0479	0.1261
	184.00	0.2201	-0.0440	0.1283

1.0D + 1.0W 60 mph Wind at 90° From Face	120.00	0.0949	-0.0345	0.0897
	126.67	0.1056	0.0097	0.0884
	133.33	0.1169	-0.0494	0.0992
	155.00	0.1587	0.0074	0.1201
	160.00	0.1696	-0.0604	0.1222
	164.00	0.1781	0.0099	0.1253
	168.00	0.1872	-0.0572	0.1279
	184.00	0.2231	-0.0525	0.1303

1.0D + 1.0W 60 mph Wind at Normal To Face	120.00	0.0994	-0.0046	0.0938
	126.67	0.1104	-0.0064	0.1054
	133.33	0.1227	-0.0019	0.1175
	155.00	0.1667	-0.0019	0.1293
	160.00	0.1781	-0.0020	0.1443
	164.00	0.1870	-0.0024	0.1349
	168.00	0.1968	-0.0022	0.1355
	184.00	0.2349	-0.0020	0.1379

1.2D + 1.0Di + 1.0Wi 50 mph Wind at 60° From Face	120.00	0.1009	-0.0363	0.0953
	126.67	0.1105	0.0059	0.0970
	133.33	0.1243	-0.0523	0.1066
	155.00	0.1686	0.0067	0.1285
	160.00	0.1800	-0.0637	0.1303
	164.00	0.1879	0.0080	0.1338
	168.00	0.1985	-0.0604	0.1361
	184.00	0.2367	-0.0555	0.1379

1.2D + 1.0Di + 1.0Wi 50 mph Wind at 90° From Face	120.00	0.1014	-0.0433	0.0963
	126.67	0.1113	0.0118	0.0940
	133.33	0.1250	-0.0624	0.1068
	155.00	0.1696	0.0082	0.1292
	160.00	0.1811	-0.0764	0.1303
	164.00	0.1893	0.0117	0.1338
	168.00	0.1998	-0.0724	0.1372
	184.00	0.2383	-0.0664	0.1392


1.2D + 1.0Di + 1.0Wi 50 mph Wind at Normal From Face	120.00	0.1041	-0.0071	0.0991
	126.67	0.1157	-0.0094	0.1129
	133.33	0.1285	-0.0015	0.1267
	155.00	0.1751	-0.0014	0.1369
	160.00	0.1871	-0.0014	0.1555
	164.00	0.1965	-0.0049	0.1418
	168.00	0.2067	-0.0047	0.1429
	184.00	0.2468	-0.0042	0.1453

1.2D + 1.0Ev + 1.0Eh - Normal To Face	120.00	0.0226	0.0010	0.0209
	126.67	0.0250	0.0010	0.0224
	133.33	0.0277	-0.0011	0.0241
	155.00	0.0375	-0.0012	0.0297
	160.00	0.0401	-0.0012	0.0302
	164.00	0.0422	0.0012	0.0307
	168.00	0.0444	0.0011	0.0311
	184.00	0.0530	0.0010	0.0315

1.2D + 1.0W 121 mph Wind at 60° From Face	120.00	0.3790	-0.1171	0.3594
	126.67	0.4209	0.0288	0.3666
	133.33	0.4678	-0.1673	0.4005
	155.00	0.6369	0.0302	0.4847
	160.00	0.6804	-0.2141	0.4981
	164.00	0.7141	0.0422	0.5110
	168.00	0.7516	-0.2115	0.5163
	184.00	0.8970	-0.2068	0.5266

1.2D + 1.0W 121 mph Wind at 90° From Face	120.00	0.3842	-0.1580	0.3657
	126.67	0.4275	0.0436	0.3604
	133.33	0.4741	-0.2269	0.4041
	155.00	0.6451	0.0366	0.4907
	160.00	0.6896	-0.3016	0.5014
	164.00	0.7243	0.0514	0.5136
	168.00	0.7618	-0.3005	0.5231
	184.00	0.9092	-0.2971	0.5347

1.2D + 1.0W 121 mph Wind at Normal To Face	120.00	0.4018	-0.0194	0.3819
	126.67	0.4468	-0.0266	0.4287
	133.33	0.4962	-0.0082	0.4788
	155.00	0.6763	-0.0085	0.5263
	160.00	0.7225	-0.0090	0.5883
	164.00	0.7590	-0.0109	0.5508
	168.00	0.7986	-0.0104	0.5532
	184.00	0.9542	-0.0099	0.5632

	Mat Foundation Design for Self Supporting Tower			Date 7/16/2021
	Customer Name:	SBA Communications Corp	EIA/TIA Standard:	EIA-222-H
	Site Name:		Structure Height (Ft.):	196
	Site Number:	CT06462-A-2-SBA	Engineer Name:	T. Alajaj
	Engr. Number:	110979	Engineer Login ID:	

Foundation Info Obtained from:

Analysis or Design?

Number of Tower Legs:

Base Reactions (Factored):

(1). Individual Leg:

Axial Load (Kips):	227.3	Uplift Force (Kips):	187.7
Shear Force (Kips):	25.0		

(2). Tower Base:

Total Vertical Load (Kips):	46.5	Total Shear Force (Kips):	41.2
Moment (Kips-ft):	4220.0		

Foundation Geometries:

Leg distance (Center-to-Center ft.):	23.0	Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	Round 2.2	Pier Height A. G. (ft.):	0.00
Tower center to mat center (ft):	0	Depth of Base BG (ft.):	3.5
Length of Pad (ft.):	36	Width of Pad (ft.):	36
Thickness of Pad (ft):	4.00		

Material Properties and Rebar Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	7	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	20	Tie Spacing (in):	6.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	7	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf

Rebar at the bottom of the concrete pad:

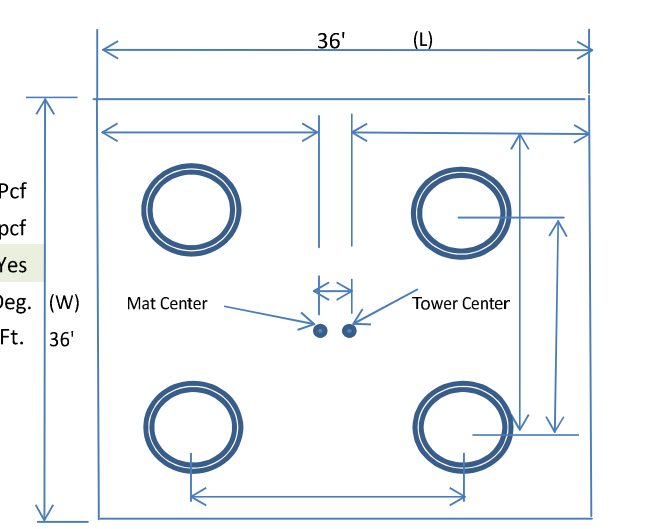
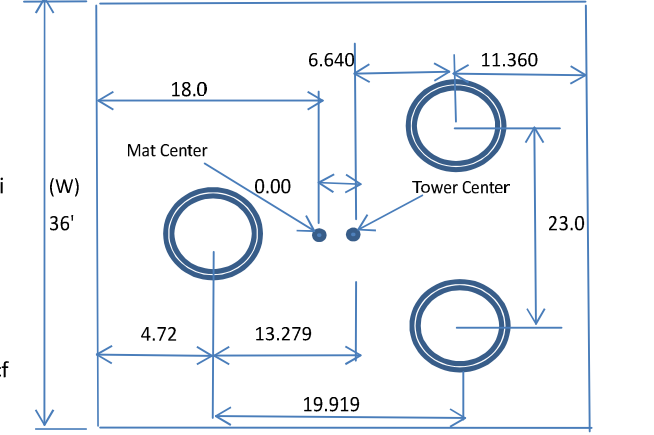
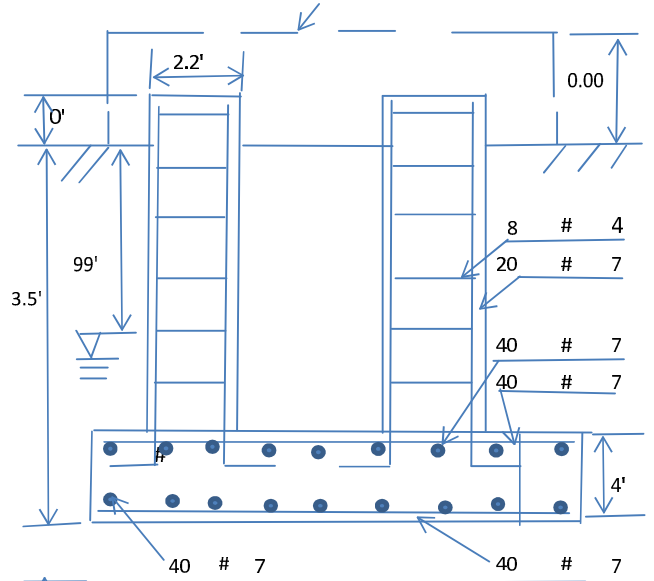
Qty. of Rebar in Pad (L):	40	Qty. of Rebar in Pad (W):	40
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Rebar at the top of the concrete pad:

Qty. of Rebar in Pad (L):	40	Qty. of Rebar in Pad (W):	40
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Soil Design Parameters:

Soil Unit Weight (pcf):	120.0	Soil Buoyant Weight:	57.6	Pcf
Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf
Ultimate Bearing Pressure (psf):	4000	Consider ties in concrete shear strength:	Yes	
Consider Soil Lateral Resistance ?	Yes	Enter soil C (psf) or Phi (deg.):	30.0	Deg. (W)
		Depth to ignor lateral resistance	1.0	Ft. 36'



Apply 1.35 for e/w per G/H:

Foundation Analysis and Design: Uplift Strength Reduction Factor:

Total Dry Soil Volume (cu. Ft.):
 Total Buoyant Soil Volume (cu. Ft.):
 Total Effective Soil Weight (Kips):
 Total Dry Concrete Volume (cu. Ft.): 5184.08
 Total Buoyant Concrete Volume (cu. Ft.):
 Total Effective Concrete Weight (Kips): 777.61

Compression Strength Reduction Factor:

Total Dry Soil Weight (Kips):
 Total Buoyant Soil Weight (Kips):
 Weight from the Concrete Block at Top (K):
 Total Dry Concrete Weight (Kips):
 Total Buoyant Concrete Weight (Kips):
 Total Vertical Load on Base (Kips):

Check Soil Capacities:

Calculated Maxium Net Soil Pressure under the base (psf):
 Allowable Foundation Overturning Resistance (kips-ft.):
 Factor of Safety Against Overturning (O. R. Moment/Design Moment):

< Allowable Factored Soil Bearing (psf):
 Design Factored Momont (kips-ft):

Load/
Capacity
Ratio

Check the capacities of Reinforcing Concrete:

Strength reduction factor (Flexure and axial tension):
 Strength reduction factor (Axial compression):

Strength reduction factor (Shear):
 Wind Load Factor on Concrete Design:

ad
Capacity
Ratio

(1) Concrete Pier:

Vertical Steel Rebar Area (sq. in./each):
 Calculated Moment Capacity (Mn,Kips-Ft):
 Calculated Shear Capacity (Kips):
 Calculated Tension Capacity (Tn, Kips):
 Calculated Compression Capacity (Pn, Kips):
 Moment & Tension Strength Combination:
 Pier Reinforcement Ratio:

Tie / Stirrup Area (sq. in./each):
 > Design Factored Moment (Mu, Kips-Ft)
 > Design Factored Shear (Kips):
 > Design Factored Tension (Tu Kips):
 > Design Factored Axial Load (Pu Kips):
 OK! Check Tie Spacing (Design/Req'd):
 Reinforcement Ratio is satisfied per ACI

(2).Concrete Pad:

One-Way Design Shear Capacity (L or W Direction, Kips):
 One-Way Design Shear Capacity (Diagonal Dir., Kips):
 Lower Steel Pad Reinforcement Ratio (L or W-Direct.):
 Lower Steel Pad Moment Capacity (L or W-Dir. Kips-ft):
 Lower Steel Pad Moment Capacity (Dia. Direction,K-ft):
 Upper Steel Pad Reinforcement Ratio (L or W -Direction):
 Upper Steel Pad Moment Capacity (L or W-Dir., Kips-ft):
 Upper Steel Pad Moment Capacity (Dia. Direction, K-ft):
 Punching Failure Capacity From Down Load (Kips):
 Punching Failure Capacity From Uplift (Kips):

One-Way Factored Shear (L/W-Dir Kips)
 One-Way Factored Shear (Dia. Dir, Kips)
 Lower Steel Reinf. Ratio (Dia. Dir.):
 Moment at Bottom (L-Direct. K-Ft):
 Moment at Bottom (Dia. Dir. K-Ft):
 Upper Steel Reinf. Ratio (Dia. Dir.):
 Moment at the top (L-Dir Kips-Ft):
 Moment at the top (Dia. Dir., K-Ft):
 Punch. Failure Factored Shear (K):
 Punch. Failure Factored Shear (K):

(3). Check Max. eccentricity of Loading:

The maximum eccentricity of Loading:

ft. Allowable eccentricity (0.45 W, ft.):

OK!

Maser Consulting Connecticut
2000 Midlantic Drive Suite 100
Mt. Laurel, NJ 08054
856.797.0412
Greg.dulnik@colliersengineering.com

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10032612
Maser Consulting Connecticut Project #: 20777649A

March 2, 2021

Site Information

Site ID: 467900-VZW / Willimantic CT
Site Name: Willimantic CT
Carrier Name: Verizon Wireless
Address: 349 Mountain Street
Willimantic, Connecticut 06226
Windham County
Latitude: 41.703000°
Longitude: -72.221389°

Structure Information

Tower Type: 196-Ft Self Support
Mount Type: 12.50-Ft Sector Frame

FUZE ID # 16234292

Analysis Results

Sector Frame: 40.7% Pass

*****Contractor PMI Requirements:**

Included at the end of this MA report

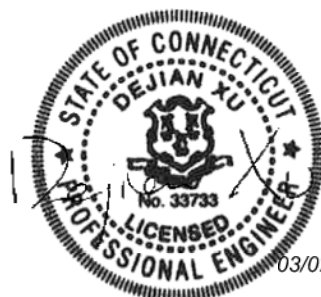
Available & Submitted via portal at <https://pmi.vzwsmart.com>

Contractor - Please Review Specific Site PMI Requirements Upon Award

Requirements also Noted on Mount Modification Drawings

Requirements may also be Noted on A & E drawings

Report Prepared By: Garrett Smith



03/02/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
<i>Radio Frequency Data Sheet (RFDS)</i>	<i>Verizon RFDS Site ID: 325144, dated November 20, 2020</i>
<i>Mount Mapping Report</i>	<i>Hudson Design Group LLC., Site ID: 467900, dated September 6, 2018</i>
<i>Construction Drawings</i>	<i>Nexius, Site ID: VZ11509, dated February 12, 2021</i>

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust),	121 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e :	0.981
Seismic Parameters:	S _s :	0.192
	S ₁ :	0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, L _v :	250 lbs.
	Maintenance Live Load, L _m :	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
			-		Added
			Samsung		
			Samsung		
			Commscope		Retained
			Andrew		
			Antel		

* Equipment is mounted at a separate elevation to the Self Support. They are not mounted on Sector Frame mounts and are not included in this mount analysis.

Standard Conditions:

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer’s specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
<i>Antenna Pipe</i>	39.1%	<i>Pass</i>
<i>Standoff Vertical</i>	4.0%	<i>Pass</i>
<i>Tieback</i>	7.2%	<i>Pass</i>
<i>Standoff Diagonal</i>	9.2%	<i>Pass</i>
<i>Standoff Plate</i>	40.7%	<i>Pass</i>
<i>Standoff Horizontal</i>	19.0%	<i>Pass</i>
<i>Horizontal Mount Pipe</i>	25.9%	<i>Pass</i>
<i>Connection Check</i>	8.3%	<i>Pass</i>

Structure Rating – (Controlling Utilization of all Components)	40.7%
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Recommendation:

The existing mounts are **SUFFICIENT** for the final loading configuration and do not require modifications.

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

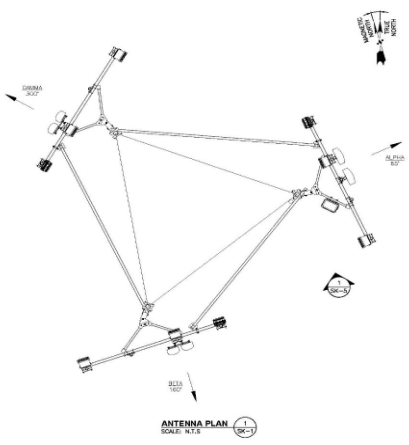
Attachments:

- Mount Photos
- Mount Mapping Report (for reference only)
- Analysis Calculations
- Contractor Required Post Installation Inspection (PMI) Report Deliverables**
- Antenna Placement Diagrams



	Antenna Mount Mapping Form (PATENT PENDING)			FCC #
				1043732
Tower Owner:	SBA	Mapping Date:	9/6/2018	
Site Name:	Willimantic CT	Tower Type:	Self Support	
Site Number or ID:	467900	Tower Height (Ft.):	180	
Mapping Contractor:	Hudson Design Group LLC	Mount Elevation (Ft.):	123	

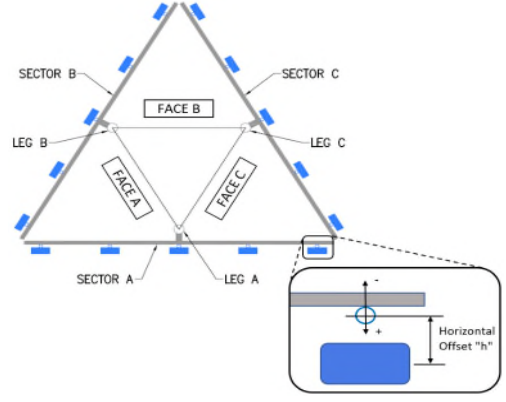
This antenna mapping form is the property of TES and under **PATENT PENDING**. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is 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.



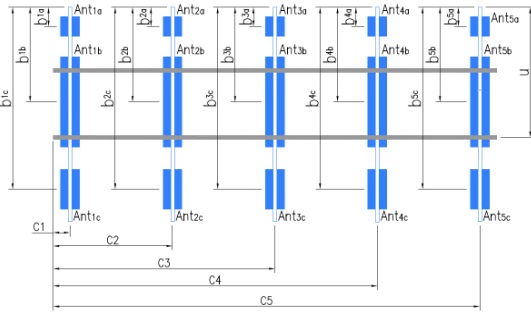
Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "U"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "U"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2" STD. X 84" LONG	66.00	3.00	C1	PIPE 2" STD. X 84" LONG	66.00	3.00
A2	PIPE 2" STD. X 84" LONG	66.00	50.50	C2	PIPE 2" STD. X 84" LONG	66.00	50.50
A3	PIPE 2" STD. X 84" LONG	66.00	74.50	C3	PIPE 2" STD. X 84" LONG	66.00	98.50
A4	PIPE 2" STD. X 84" LONG	66.00	98.50	C4	PIPE 2" STD. X 84" LONG	66.00	146.50
A5	PIPE 2" STD. X 84" LONG	66.00	146.50	C5			
A6				C6			
B1	PIPE 2" STD. X 84" LONG	66.00	3.00	D1			
B2	PIPE 2" STD. X 84" LONG	66.00	50.50	D2			
B3	PIPE 2" STD. X 84" LONG	66.00	98.50	D3			
B4	PIPE 2" STD. X 84" LONG	66.00	146.50	D4			
B5				D5			
B6				D6			

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

Tower Face Width at Mount Elev. (ft.):	11	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	4.5
--	----	---	-----



Ants. Items	Enter antenna model. If not labeled, enter "Unknown".					Mounting Locations [Units are inches and degrees]			Photos of antennas	
	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances "b _{1a} , b _{2a} , b _{3a} , b _{1b} ,..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant _{1a}	B4 RRH 2X60-4R	11.00	5.50	36.00		127.5	12.00	-7.00		39
Ant _{1b}										
Ant _{1c}										
Ant _{2a}	B13 RRH 4X30	12.00	9.00	21.50		127.5	12.00	-7.00		41
Ant _{2b}	SBNHH-1D45B	18.00	7.50	72.00		123.833	56.00	9.00	65.00	2
Ant _{2c}										
Ant _{3a}										
Ant _{3b}	SBNHH-1D45B	18.00	7.50	72.00		123.833	56.00	9.00	65.00	2
Ant _{3c}										
Ant _{4a}	B25 RRH 4X30	12.00	7.00	20.50		127.5	12.00	-7.00		44
Ant _{4b}										
Ant _{4c}										
Ant _{5a}										
Ant _{5b}										
Ant _{5c}										
Ant on Standoff	RCMDC-6627-PF-48	15.00	10.00	28.00			10.00	6.00		45
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:	65.00	Deg	Leg A:	80.00	Deg	Ant _{1a}	B4 RRH 2X60-4R	11.00	5.50	36.00		127.5	12.00	-7.00		39						
Sector B:	160.00	Deg	Leg B:	200.00	Deg	Ant _{1b}																
Sector C:	300.00	Deg	Leg C:	320.00	Deg	Ant _{1c}																
Sector D:		Deg	Leg D:		Deg	Ant _{2a}	B13 RRH 4X30	12.00	9.00	21.50		127.5	12.00	-7.00		41						
Climbing Facility Information						Ant _{2b}	(2) SBNHH-1D65B	12.00	7.00	73.00		123.833	56.00	9.00	160.00	29						
						Ant _{2c}																
Location:	80.00	Deg	On Leg A			Ant _{3a}	B25 RRH 4X30	12.00	7.00	20.50		127.5	12.00	-7.00		44						
Climbing Facility	Corrosion Type:		Good condition.			Ant _{3b}																
	Access:		Climbing path was unobstructed.			Ant _{3c}																
	Condition:		Good condition.			Ant _{4a}																
						Ant _{4b}																
						Ant _{4c}																
						Ant _{5a}																
						Ant _{5b}																
						Ant _{5c}																
						Ant on Standoff																
						Ant on Standoff																
						Ant on Tower																
						Ant on Tower																
												Sector C										
												Ant _{1a}	B4 RRH 2X60-4R	11.00	5.50	36.00		127.5	12.00	-7.00		39
												Ant _{1b}										
												Ant _{1c}										
												Ant _{2a}	B13 RRH 4X30	12.00	9.00	21.50		127.5	12.00	-7.00		41
												Ant _{2b}	(2) SBNHH-1D65B	12.00	7.00	73.00		123.833	56.00	9.00	300.00	29
Ant _{2c}																						
Ant _{3a}	B25 RRH 4X30	12.00	7.00	20.50								127.5	12.00	-7.00		44						
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																						
						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	(6) 1-5/8"Ø COAX, (2) 1-1/4"Ø HYBRID	5
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.



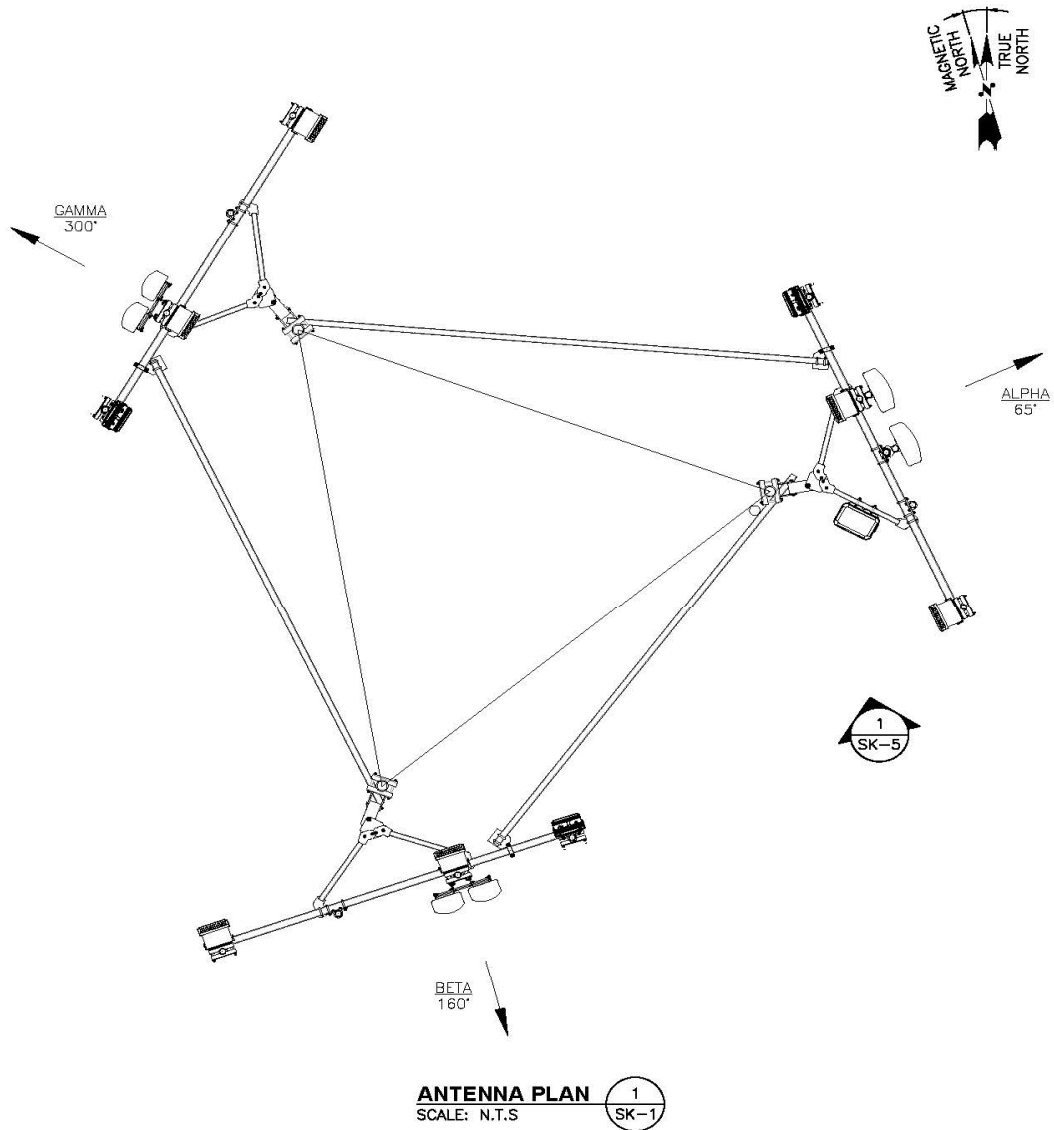
Antenna Mount Mapping Form (PATENT PENDING)

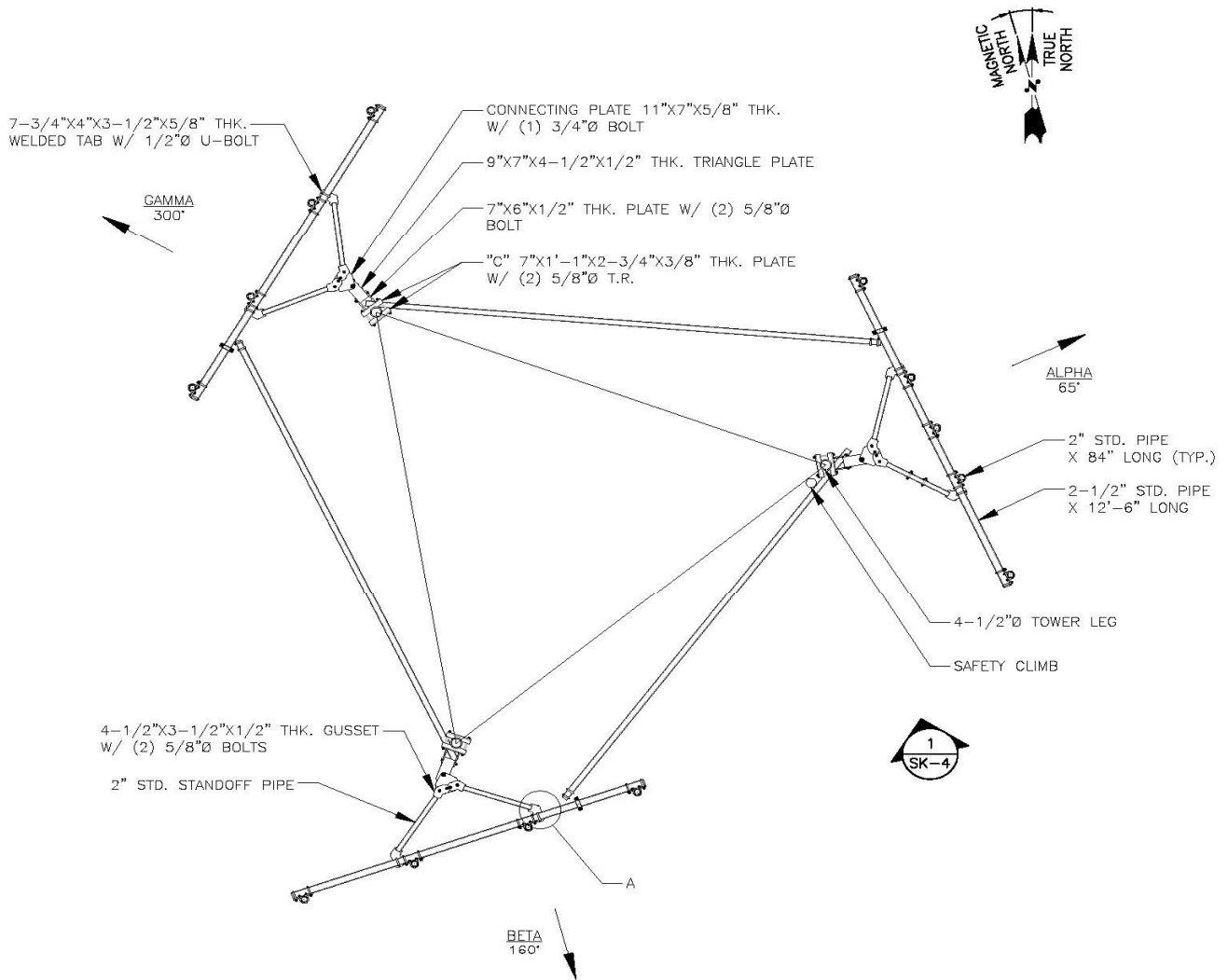
FCC #
1043732

Tower Owner:	SBA	Mapping Date:	9/6/2018
Site Name:	Willimantic CT	Tower Type:	Self Support
Site Number or ID:	467900	Tower Height (Ft.):	180
Mapping Contractor:	Hudson Design Group LLC	Mount Elevation (Ft.):	123

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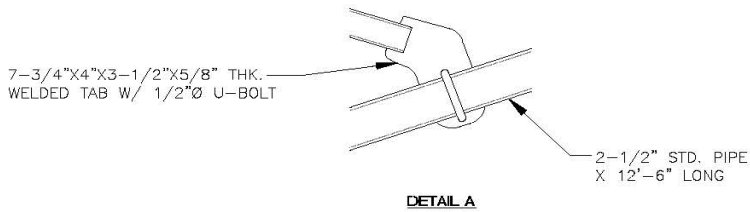
Please Insert Sketches of the Antenna Mount



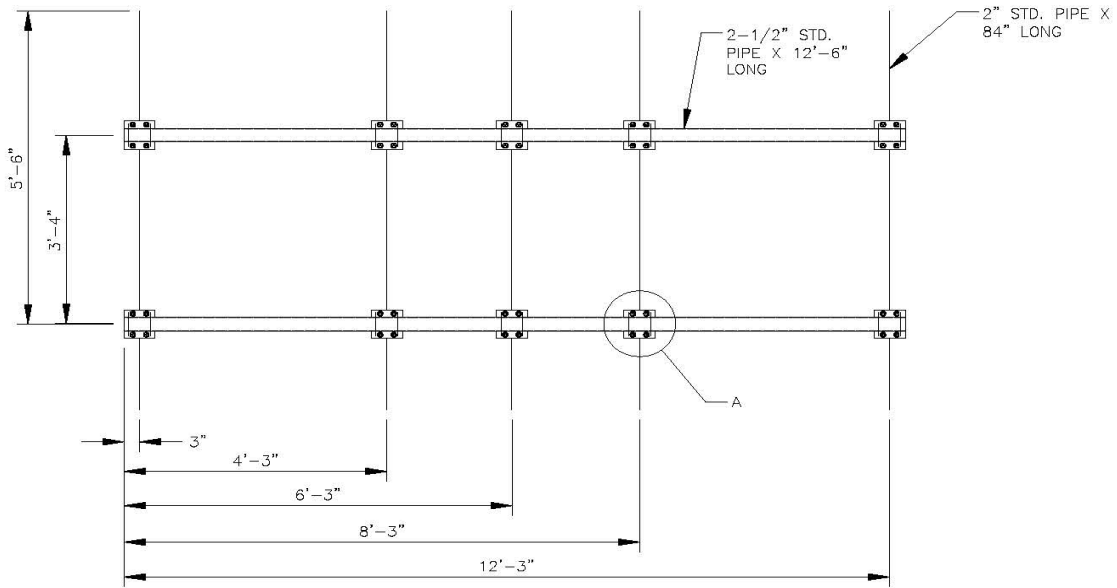


MOUNT PLAN
SCALE: N.T.S

1 SK-2



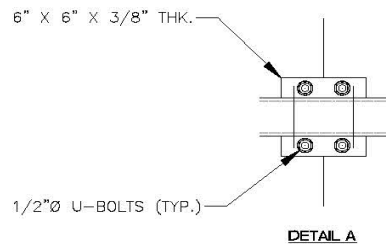
Please Insert Sketches of the Antenna Mount, cont'd

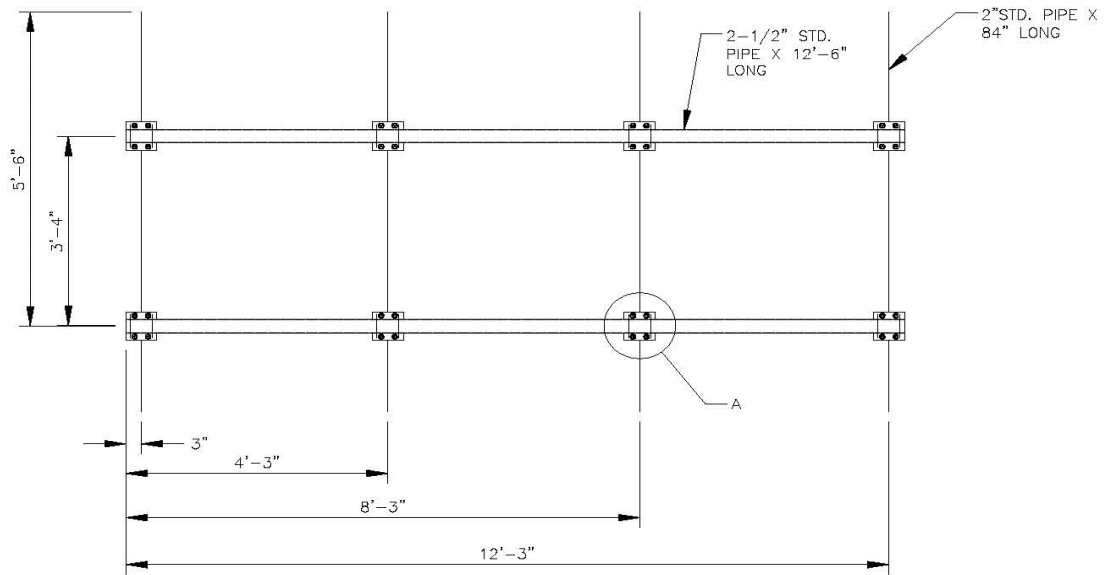


MOUNT ELEVATION (ALPHA SECTOR)

SCALE: N.T.S

1
SK-3

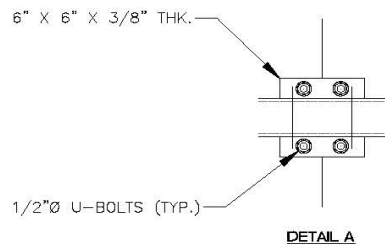


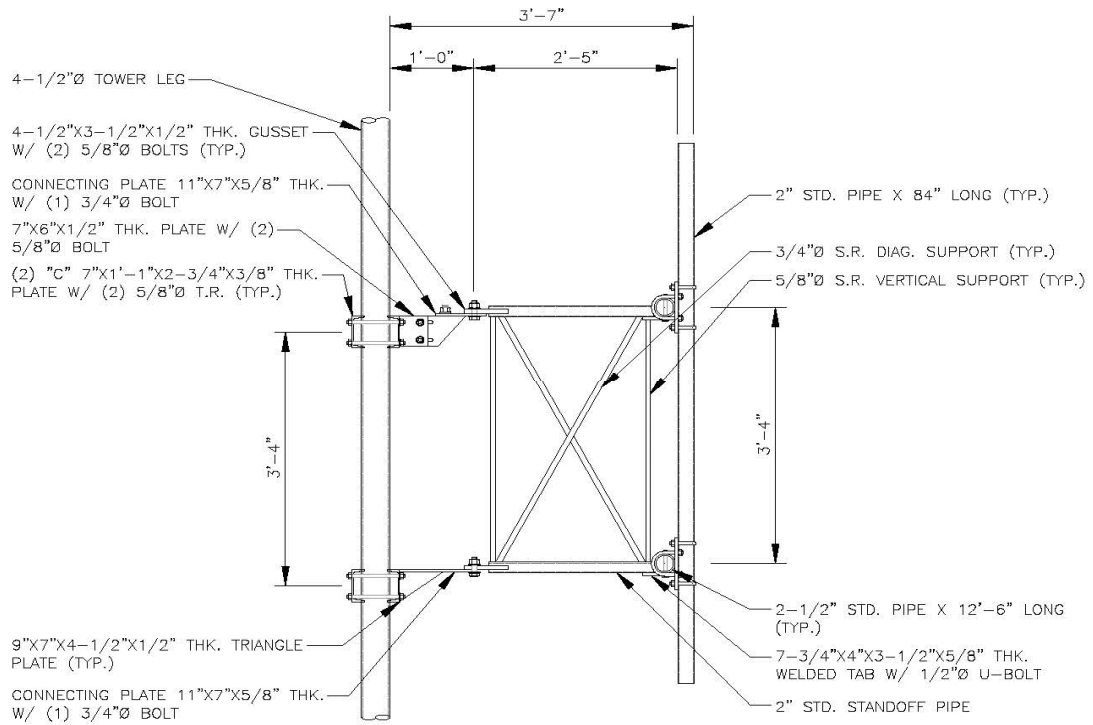


MOUNT ELEVATION (BETA & GAMMA SECTOR)

SCALE: N.T.S

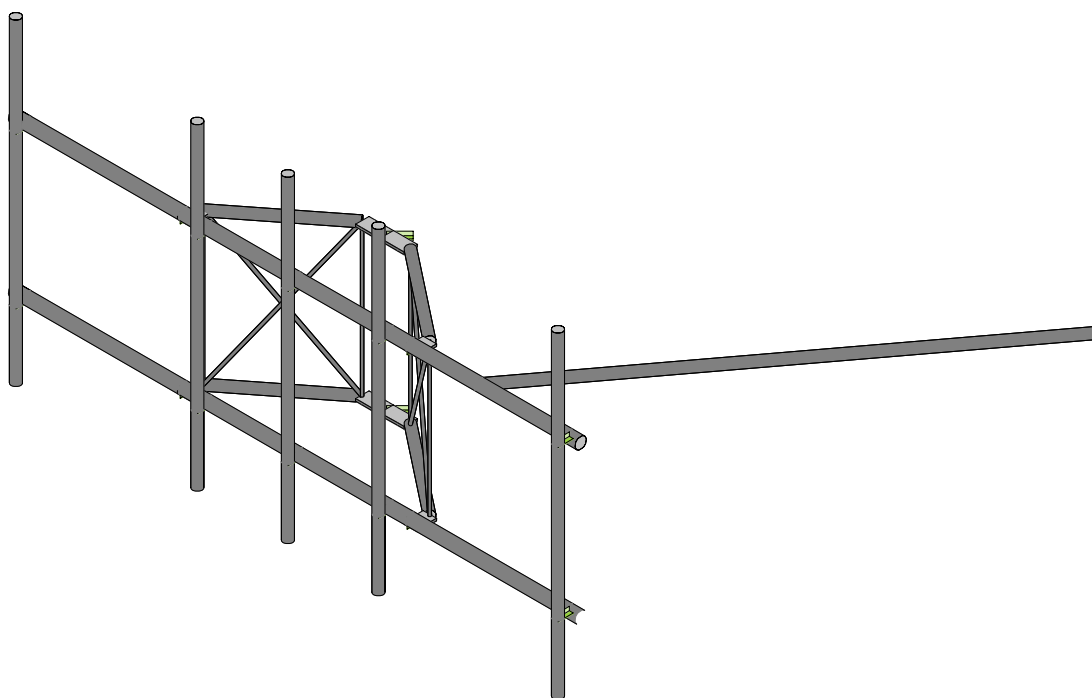
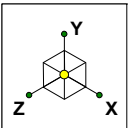
1
SK-4





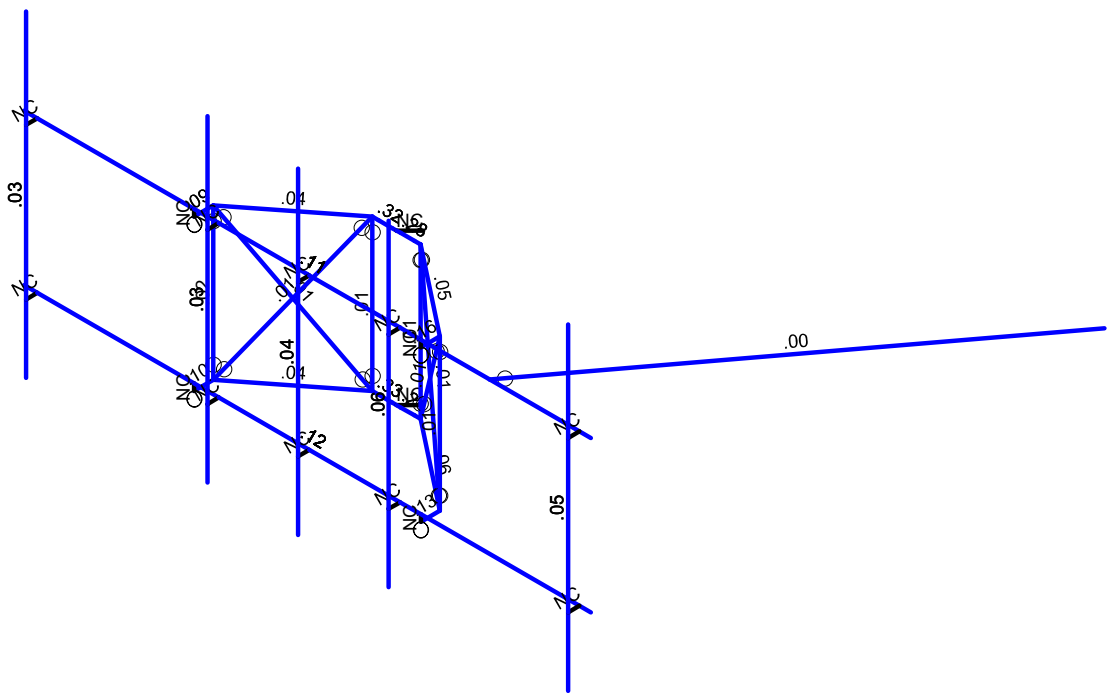
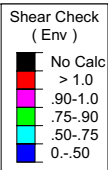
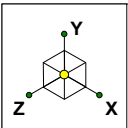
MOUNT SIDE ELEVATION
SCALE: N.T.S

1
SK-5



Risa Model

SK - 1
Mar 2, 2021 at 10:21 AM
467900-VZW_MT_LOT_A_H.r3d



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

	Risa Model	SK - 3
		Mar 2, 2021 at 10:21 AM
		467900-VZW_MT_LOT_A_H.r3d



Company :
 Designer :
 Job Number :
 Model Name : Risa Model

Mar 2, 2021
 10:21 AM
 Checked By: _____

Basic Load Cases

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



Company :
 Designer :
 Job Number :
 Model Name : Risa Model

Mar 2, 2021
 10:21 AM
 Checked By: _____

Basic Load Cases (Continued)

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
57 Structure Wi (120 De..	None						56	
58 Structure Wi (150 De..	None						56	
59 Structure Wi (180 De..	None						56	
60 Structure Wi (210 De..	None						56	
61 Structure Wi (240 De..	None						56	
62 Structure Wi (270 De..	None						56	
63 Structure Wi (300 De..	None						56	
64 Structure Wi (330 De..	None						56	
65 Structure Wm (0 Deg)	None						56	
66 Structure Wm (30 De..	None						56	
67 Structure Wm (60 De..	None						56	
68 Structure Wm (90 De..	None						56	
69 Structure Wm (120 D..	None						56	
70 Structure Wm (150 D..	None						56	
71 Structure Wm (180 D..	None						56	
72 Structure Wm (210 D..	None						56	
73 Structure Wm (240 D..	None						56	
74 Structure Wm (270 D..	None						56	
75 Structure Wm (300 D..	None						56	
76 Structure Wm (330 D..	None						56	
77 Lm1	None					1		
78 Lm2	None					1		
79 Lv1	None					1		
80 Lv2	None					1		

Load Combinations

Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1 1.2D+1.0Wo (0 Deg)	Yes	Y			1	1.2	39	1.2	3	1	41	1							
2 1.2D+1.0Wo (30 Deg)	Yes	Y			1	1.2	39	1.2	4	1	42	1							
3 1.2D+1.0Wo (60 Deg)	Yes	Y			1	1.2	39	1.2	5	1	43	1							
4 1.2D+1.0Wo (90 Deg)	Yes	Y			1	1.2	39	1.2	6	1	44	1							
5 1.2D+1.0Wo (120 Deg)	Yes	Y			1	1.2	39	1.2	7	1	45	1							
6 1.2D+1.0Wo (150 Deg)	Yes	Y			1	1.2	39	1.2	8	1	46	1							
7 1.2D+1.0Wo (180 Deg)	Yes	Y			1	1.2	39	1.2	9	1	47	1							
8 1.2D+1.0Wo (210 Deg)	Yes	Y			1	1.2	39	1.2	10	1	48	1							
9 1.2D+1.0Wo (240 Deg)	Yes	Y			1	1.2	39	1.2	11	1	49	1							
10 1.2D+1.0Wo (270 Deg)	Yes	Y			1	1.2	39	1.2	12	1	50	1							
11 1.2D+1.0Wo (300 Deg)	Yes	Y			1	1.2	39	1.2	13	1	51	1							
12 1.2D+1.0Wo (330 Deg)	Yes	Y			1	1.2	39	1.2	14	1	52	1							
13 1.2D + 1.0Di + 1.0Wi (0 Deg)	Yes	Y			1	1.2	39	1.2	2	1	40	1	15	1	53	1			
14 1.2D + 1.0Di + 1.0Wi (30 Deg)	Yes	Y			1	1.2	39	1.2	2	1	40	1	16	1	54	1			
15 1.2D + 1.0Di + 1.0Wi (60 Deg)	Yes	Y			1	1.2	39	1.2	2	1	40	1	17	1	55	1			
16 1.2D + 1.0Di + 1.0Wi (90 Deg)	Yes	Y			1	1.2	39	1.2	2	1	40	1	18	1	56	1			
17 1.2D + 1.0Di + 1.0Wi (120 Deg)	Yes	Y			1	1.2	39	1.2	2	1	40	1	19	1	57	1			
18 1.2D + 1.0Di + 1.0Wi (150 Deg)	Yes	Y			1	1.2	39	1.2	2	1	40	1	20	1	58	1			
19 1.2D + 1.0Di + 1.0Wi (180 Deg)	Yes	Y			1	1.2	39	1.2	2	1	40	1	21	1	59	1			
20 1.2D + 1.0Di + 1.0Wi (210 Deg)	Yes	Y			1	1.2	39	1.2	2	1	40	1	22	1	60	1			
21 1.2D + 1.0Di + 1.0Wi (240 Deg)	Yes	Y			1	1.2	39	1.2	2	1	40	1	23	1	61	1			
22 1.2D + 1.0Di + 1.0Wi (270 Deg)	Yes	Y			1	1.2	39	1.2	2	1	40	1	24	1	62	1			
23 1.2D + 1.0Di + 1.0Wi (300 Deg)	Yes	Y			1	1.2	39	1.2	2	1	40	1	25	1	63	1			
24 1.2D + 1.0Di + 1.0Wi (330 Deg)	Yes	Y			1	1.2	39	1.2	2	1	40	1	26	1	64	1			
25 1.2D + 1.5Lm1 + 1.0Wm (0 De..	Yes	Y			1	1.2	39	1.2	77	1.5	27	1	65	1					
26 1.2D + 1.5Lm1 + 1.0Wm (30 D..	Yes	Y			1	1.2	39	1.2	77	1.5	28	1	66	1					
27 1.2D + 1.5Lm1 + 1.0Wm (60 D..	Yes	Y			1	1.2	39	1.2	77	1.5	29	1	67	1					
28 1.2D + 1.5Lm1 + 1.0Wm (90 D..	Yes	Y			1	1.2	39	1.2	77	1.5	30	1	68	1					



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Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
17	N29	-34.	0	73.4375	0	
18	N30	-34.	40.	73.4375	0	
19	N31	-40.375	0	73.4375	0	
20	N32	-40.375	40.	73.4375	0	
21	N33	-27.625	0	73.4375	0	
22	N34	-27.625	40.	73.4375	0	
23	N35	-30.464466	0	69.901966	0	
24	N36	-30.464466	40.	69.901966	0	
25	N38	14.25	41.75	97.	0	
26	N42	38.	67.75	100.	0	
27	N46	38.	-16.25	100.	0	
28	N58	-64.	40.	92.5	0	
29	N76	-35.125	0	73.4375	0	
30	N77	-38.75	0	73.4375	0	
31	N78	-32.875	0	73.4375	0	
32	N79	-29.25	0	73.4375	0	
33	N80	-35.125	40.	73.4375	0	
34	N81	-38.75	40.	73.4375	0	
35	N82	-32.875	40.	73.4375	0	
36	N83	-29.25	40.	73.4375	0	
37	N58A	-34.	41.75	97.	0	
38	N59	-64.	1.75	97.	0	
39	N60	-64.	41.75	97.	0	
40	N61	-4.	1.75	97.	0	
41	N62	-4.	41.75	97.	0	
42	N45	-9.5	1.75	97.	0	
43	N46A	-9.5	41.75	97.	0	
44	N47	-9.5	1.75	100.	0	
45	N48	-9.5	41.75	100.	0	
46	N49	-9.5	67.75	100.	0	
47	N50	-9.5	-16.25	100.	0	
48	N51	-33.5	1.75	97.	0	
49	N52	-33.5	41.75	97.	0	
50	N53	-33.5	1.75	100.	0	
51	N54	-33.5	41.75	100.	0	
52	N55	-33.5	67.75	100.	0	
53	N56	-33.5	-16.25	100.	0	
54	N57	-57.5	1.75	97.	0	
55	N58B	-57.5	41.75	97.	0	
56	N59A	-57.5	1.75	100.	0	
57	N60A	-57.5	41.75	100.	0	
58	N61A	-57.5	67.75	100.	0	
59	N62A	-57.5	-16.25	100.	0	
60	N63	-105.5	1.75	97.	0	
61	N64	-105.5	41.75	97.	0	
62	N65	-105.5	1.75	100.	0	
63	N66	-105.5	41.75	100.	0	
64	N67	-105.5	67.75	100.	0	
65	N68	-105.5	-16.25	100.	0	
66	N67A	83.850887	41.75	3.901966	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in ²]	I _{yy} [in ⁴]	I _{zz} [in ⁴]	J [in ⁴]
1	Antenna Pipe	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Horizontal mount pi...	PIPE 2.5	Beam	Pipe	Q235	Typical	1.61	1.45	1.45	2.89



Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Design R...	A [in ²]	Iyy [in ⁴]	Izz [in ⁴]	J [in ⁴]
3	Standoff Horizontal	PIPE 2.0	Beam	Pipe	Q235	Typical	1.02	.627	.627	1.25
4	Standoff Diagonal	SR 0.75	Beam	BAR	Q235	Typical	.442	.016	.016	.031
5	Tieback	PIPE 2.0	Beam	Pipe	Q235	Typical	1.02	.627	.627	1.25
6	Standoff Vertical	SR 0.625	Beam	BAR	Q235	Typical	.307	.007	.007	.015
7	Standoff Plate	PL5/8X3.5	Beam	BAR	Q235	Typical	2.188	.071	2.233	.253

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
2	A53 Gr. B	29000	11154	.3	.65	.49	35	1.5	60	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
5	A500 Gr. B 42	29000	11154	.3	.65	.49	42	1.4	58	1.3
6	A500 Gr. B 46	29000	11154	.3	.65	.49	46	1.4	58	1.3
7	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	FACE	N2	N1			Horizontal mou...	Beam	Pipe	Q235	Typical
2	M2	N4	N3			Horizontal mou...	Beam	Pipe	Q235	Typical
3	M11	N12	N20			RIGID	None	None	RIGID	Typical
4	LIVE2	N11	N19			RIGID	None	None	RIGID	Typical
5	M13	N22	N26		90	Standoff Plate	Beam	BAR	Q235	Typical
6	M14	N21	N25		90	Standoff Plate	Beam	BAR	Q235	Typical
7	M15	N23	N27		90	Standoff Plate	Beam	BAR	Q235	Typical
8	M16	N24	N28		90	Standoff Plate	Beam	BAR	Q235	Typical
9	OVP	N26	N32			Standoff Horiz...	Beam	Pipe	Q235	Typical
10	M18	N25	N31			Standoff Horiz...	Beam	Pipe	Q235	Typical
11	M19	N27	N33			Standoff Horiz...	Beam	Pipe	Q235	Typical
12	M20	N28	N34			Standoff Horiz...	Beam	Pipe	Q235	Typical
13	M21	N32	N30		90	Standoff Plate	Beam	BAR	Q235	Typical
14	M22	N34	N30		90	Standoff Plate	Beam	BAR	Q235	Typical
15	M23	N31	N29		90	Standoff Plate	Beam	BAR	Q235	Typical
16	M24	N33	N29		90	Standoff Plate	Beam	BAR	Q235	Typical
17	M25	N31	N26			Standoff Diago...	Beam	BAR	Q235	Typical
18	M26	N32	N25			Standoff Diago...	Beam	BAR	Q235	Typical
19	M27	N33	N28			Standoff Diago...	Beam	BAR	Q235	Typical
20	M28	N27	N34			Standoff Diago...	Beam	BAR	Q235	Typical
21	M29	N29	N35			RIGID	None	None	RIGID	Typical
22	M30	N30	N36			RIGID	None	None	RIGID	Typical
23	M32	N38	N67A			Tieback	Beam	Pipe	Q235	Typical
24	MP1A	N42	N46			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
25	M44	N25	N26			Standoff Vertical	Beam	BAR	Q235	Typical
26	M45	N31	N32			Standoff Vertical	Beam	BAR	Q235	Typical
27	M46	N33	N34			Standoff Vertical	Beam	BAR	Q235	Typical
28	M47	N27	N28			Standoff Vertical	Beam	BAR	Q235	Typical
29	M47B	N22	N60			RIGID	None	None	RIGID	Typical
30	M48A	N21	N59			RIGID	None	None	RIGID	Typical
31	M49A	N24	N62			RIGID	None	None	RIGID	Typical
32	M50A	N23	N61			RIGID	None	None	RIGID	Typical
33	M51A	N30	N36			RIGID	None	None	RIGID	Typical
34	M52A	N29	N35			RIGID	None	None	RIGID	Typical
35	M36	N46A	N48			RIGID	None	None	RIGID	Typical
36	LIVE1	N45	N47			RIGID	None	None	RIGID	Typical



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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
37	MP2A	N49	N50			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
38	M39	N52	N54			RIGID	None	None	RIGID	Typical
39	M40	N51	N53			RIGID	None	None	RIGID	Typical
40	MP3A	N55	N56			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
41	M42	N58B	N60A			RIGID	None	None	RIGID	Typical
42	M43	N57	N59A			RIGID	None	None	RIGID	Typical
43	MP4A	N61A	N62A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
44	M45A	N64	N66			RIGID	None	None	RIGID	Typical
45	M46A	N63	N65			RIGID	None	None	RIGID	Typical
46	MP5A	N67	N68			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	FACE						Yes				None
2	M2						Yes				None
3	M11						Yes	** NA **			None
4	LIVE2						Yes	** NA **			None
5	M13						Yes	Default			None
6	M14						Yes	Default			None
7	M15						Yes				None
8	M16						Yes				None
9	OVP						Yes	Default			None
10	M18						Yes				None
11	M19						Yes				None
12	M20						Yes	Default			None
13	M21						Yes	Default			None
14	M22						Yes				None
15	M23						Yes				None
16	M24						Yes				None
17	M25	BenPIN	BenPIN			Euler Buc...	Yes	Default			None
18	M26	BenPIN	BenPIN			Euler Buc...	Yes	Default			None
19	M27	BenPIN	BenPIN			Euler Buc...	Yes				None
20	M28	BenPIN	BenPIN			Euler Buc...	Yes				None
21	M29						Yes	** NA **		Inactive	None
22	M30						Yes	** NA **		Inactive	None
23	M32	BenPIN					Yes	Default			None
24	MP1A						Yes				None
25	M44	BenPIN	BenPIN				Yes				None
26	M45	BenPIN	BenPIN				Yes				None
27	M46	BenPIN	BenPIN				Yes				None
28	M47	BenPIN	BenPIN				Yes	Default			None
29	M47B		OOOXOO				Yes	** NA **			None
30	M48A		OOOXOO				Yes	** NA **			None
31	M49A		OOOXOO				Yes	** NA **			None
32	M50A		OOOXOO				Yes	** NA **			None
33	M51A						Yes	** NA **			None
34	M52A						Yes	** NA **			None
35	M36						Yes	** NA **			None
36	LIVE1						Yes	** NA **			None
37	MP2A						Yes				None
38	M39						Yes	** NA **			None
39	M40						Yes	** NA **			None
40	MP3A						Yes				None
41	M42						Yes	** NA **			None
42	M43						Yes	** NA **			None



Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
43	MP4A						Yes				None
44	M45A						Yes	** NA **			None
45	M46A						Yes	** NA **			None
46	MP5A						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	Y	-43.55	36
2	MP1A	My	-.022	36
3	MP1A	Mz	-.002	36
4	MP1A	Y	-43.55	60
5	MP1A	My	-.022	60
6	MP1A	Mz	-.002	60
7	MP3A	Y	-84.4	48
8	MP3A	My	.042	48
9	MP3A	Mz	.004	48
10	MP2A	Y	-70.3	48
11	MP2A	My	.035	48
12	MP2A	Mz	.003	48
13	OVP	Y	-32	15
14	OVP	My	0	15
15	OVP	Mz	0	15
16	MP2A	Y	-32.2	24
17	MP2A	My	-.016	24
18	MP2A	Mz	-.001	24
19	MP2A	Y	-32.2	72
20	MP2A	My	-.016	72
21	MP2A	Mz	-.001	72
22	MP3A	Y	-32.2	24
23	MP3A	My	-.016	24
24	MP3A	Mz	-.001	24
25	MP3A	Y	-32.2	72
26	MP3A	My	-.016	72
27	MP3A	Mz	-.001	72

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	Y	-35.025	36
2	MP1A	My	-.017	36
3	MP1A	Mz	-.002	36
4	MP1A	Y	-35.025	60
5	MP1A	My	-.017	60
6	MP1A	Mz	-.002	60
7	MP3A	Y	-44.147	48
8	MP3A	My	.022	48
9	MP3A	Mz	.002	48
10	MP2A	Y	-39.697	48
11	MP2A	My	.02	48
12	MP2A	Mz	.002	48
13	OVP	Y	-74.706	15
14	OVP	My	0	15
15	OVP	Mz	0	15
16	MP2A	Y	-77.44	24
17	MP2A	My	-.039	24
18	MP2A	Mz	-.003	24



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
19	MP2A	Y	-77.44	72
20	MP2A	My	-.039	72
21	MP2A	Mz	-.003	72
22	MP3A	Y	-77.44	24
23	MP3A	My	-.039	24
24	MP3A	Mz	-.003	24
25	MP3A	Y	-77.44	72
26	MP3A	My	-.039	72
27	MP3A	Mz	-.003	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP1A	X	0	36
2	MP1A	Z	-76.397	36
3	MP1A	Mx	.003	36
4	MP1A	X	0	60
5	MP1A	Z	-76.397	60
6	MP1A	Mx	.003	60
7	MP3A	X	0	48
8	MP3A	Z	-60.921	48
9	MP3A	Mx	-.003	48
10	MP2A	X	0	48
11	MP2A	Z	-60.862	48
12	MP2A	Mx	-.003	48
13	OVP	X	0	15
14	OVP	Z	-89.409	15
15	OVP	Mx	0	15
16	MP2A	X	0	24
17	MP2A	Z	-185.406	24
18	MP2A	Mx	.008	24
19	MP2A	X	0	72
20	MP2A	Z	-185.406	72
21	MP2A	Mx	.008	72
22	MP3A	X	0	24
23	MP3A	Z	-185.406	24
24	MP3A	Mx	.008	24
25	MP3A	X	0	72
26	MP3A	Z	-185.406	72
27	MP3A	Mx	.008	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP1A	X	34.205	36
2	MP1A	Z	-59.245	36
3	MP1A	Mx	-.014	36
4	MP1A	X	34.205	60
5	MP1A	Z	-59.245	60
6	MP1A	Mx	-.014	60
7	MP3A	X	28.729	48
8	MP3A	Z	-49.76	48
9	MP3A	Mx	.012	48
10	MP2A	X	28.036	48
11	MP2A	Z	-48.561	48
12	MP2A	Mx	.012	48
13	OVP	X	41.126	15
14	OVP	Z	-71.233	15



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.-%]
15	OVP	Mx	0	15
16	MP2A	X	84.162	24
17	MP2A	Z	-145.773	24
18	MP2A	Mx	-.036	24
19	MP2A	X	84.162	72
20	MP2A	Z	-145.773	72
21	MP2A	Mx	-.036	72
22	MP3A	X	84.162	24
23	MP3A	Z	-145.773	24
24	MP3A	Mx	-.036	24
25	MP3A	X	84.162	72
26	MP3A	Z	-145.773	72
27	MP3A	Mx	-.036	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.-%]
1	MP1A	X	39.329	36
2	MP1A	Z	-22.707	36
3	MP1A	Mx	-.019	36
4	MP1A	X	39.329	60
5	MP1A	Z	-22.707	60
6	MP1A	Mx	-.019	60
7	MP3A	X	41.125	48
8	MP3A	Z	-23.744	48
9	MP3A	Mx	.019	48
10	MP2A	X	36.618	48
11	MP2A	Z	-21.141	48
12	MP2A	Mx	.017	48
13	OVP	X	82.881	15
14	OVP	Z	-47.851	15
15	OVP	Mx	0	15
16	MP2A	X	103.178	24
17	MP2A	Z	-59.57	24
18	MP2A	Mx	-.049	24
19	MP2A	X	103.178	72
20	MP2A	Z	-59.57	72
21	MP2A	Mx	-.049	72
22	MP3A	X	103.178	24
23	MP3A	Z	-59.57	24
24	MP3A	Mx	-.049	24
25	MP3A	X	103.178	72
26	MP3A	Z	-59.57	72
27	MP3A	Mx	-.049	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.-%]
1	MP1A	X	30.403	36
2	MP1A	Z	0	36
3	MP1A	Mx	-.015	36
4	MP1A	X	30.403	60
5	MP1A	Z	0	60
6	MP1A	Mx	-.015	60
7	MP3A	X	40.979	48
8	MP3A	Z	0	48
9	MP3A	Mx	.02	48
10	MP2A	X	33.281	48



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
11	MP2A	Z	0	48
12	MP2A	Mx	.017	48
13	OVP	X	116.309	15
14	OVP	Z	0	15
15	OVP	Mx	0	15
16	MP2A	X	87.037	24
17	MP2A	Z	0	24
18	MP2A	Mx	-.043	24
19	MP2A	X	87.037	72
20	MP2A	Z	0	72
21	MP2A	Mx	-.043	72
22	MP3A	X	87.037	24
23	MP3A	Z	0	24
24	MP3A	Mx	-.043	24
25	MP3A	X	87.037	72
26	MP3A	Z	0	72
27	MP3A	Mx	-.043	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	33.247	36
2	MP1A	Z	19.195	36
3	MP1A	Mx	-.017	36
4	MP1A	X	33.247	60
5	MP1A	Z	19.195	60
6	MP1A	Mx	-.017	60
7	MP3A	X	38.488	48
8	MP3A	Z	22.221	48
9	MP3A	Mx	.02	48
10	MP2A	X	32.97	48
11	MP2A	Z	19.035	48
12	MP2A	Mx	.017	48
13	OVP	X	106.924	15
14	OVP	Z	61.733	15
15	OVP	Mx	0	15
16	MP2A	X	90.169	24
17	MP2A	Z	52.059	24
18	MP2A	Mx	-.047	24
19	MP2A	X	90.169	72
20	MP2A	Z	52.059	72
21	MP2A	Mx	-.047	72
22	MP3A	X	90.169	24
23	MP3A	Z	52.059	24
24	MP3A	Mx	-.047	24
25	MP3A	X	90.169	72
26	MP3A	Z	52.059	72
27	MP3A	Mx	-.047	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	30.693	36
2	MP1A	Z	53.163	36
3	MP1A	Mx	-.018	36
4	MP1A	X	30.693	60
5	MP1A	Z	53.163	60
6	MP1A	Mx	-.018	60



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
7	MP3A	X	27.207	48
8	MP3A	Z	47.123	48
9	MP3A	Mx	.016	48
10	MP2A	X	25.931	48
11	MP2A	Z	44.913	48
12	MP2A	Mx	.015	48
13	OVP	X	55.008	15
14	OVP	Z	95.276	15
15	OVP	Mx	0	15
16	MP2A	X	76.651	24
17	MP2A	Z	132.764	24
18	MP2A	Mx	-.044	24
19	MP2A	X	76.651	72
20	MP2A	Z	132.764	72
21	MP2A	Mx	-.044	72
22	MP3A	X	76.651	24
23	MP3A	Z	132.764	24
24	MP3A	Mx	-.044	24
25	MP3A	X	76.651	72
26	MP3A	Z	132.764	72
27	MP3A	Mx	-.044	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	0	36
2	MP1A	Z	76.397	36
3	MP1A	Mx	-.003	36
4	MP1A	X	0	60
5	MP1A	Z	76.397	60
6	MP1A	Mx	-.003	60
7	MP3A	X	0	48
8	MP3A	Z	60.921	48
9	MP3A	Mx	.003	48
10	MP2A	X	0	48
11	MP2A	Z	60.862	48
12	MP2A	Mx	.003	48
13	OVP	X	0	15
14	OVP	Z	89.409	15
15	OVP	Mx	0	15
16	MP2A	X	0	24
17	MP2A	Z	185.406	24
18	MP2A	Mx	-.008	24
19	MP2A	X	0	72
20	MP2A	Z	185.406	72
21	MP2A	Mx	-.008	72
22	MP3A	X	0	24
23	MP3A	Z	185.406	24
24	MP3A	Mx	-.008	24
25	MP3A	X	0	72
26	MP3A	Z	185.406	72
27	MP3A	Mx	-.008	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	-34.205	36
2	MP1A	Z	59.245	36



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
3	MP1A	Mx	.014	36
4	MP1A	X	-34.205	60
5	MP1A	Z	59.245	60
6	MP1A	Mx	.014	60
7	MP3A	X	-28.729	48
8	MP3A	Z	49.76	48
9	MP3A	Mx	-.012	48
10	MP2A	X	-28.036	48
11	MP2A	Z	48.561	48
12	MP2A	Mx	-.012	48
13	OVP	X	-41.126	15
14	OVP	Z	71.233	15
15	OVP	Mx	0	15
16	MP2A	X	-84.162	24
17	MP2A	Z	145.773	24
18	MP2A	Mx	.036	24
19	MP2A	X	-84.162	72
20	MP2A	Z	145.773	72
21	MP2A	Mx	.036	72
22	MP3A	X	-84.162	24
23	MP3A	Z	145.773	24
24	MP3A	Mx	.036	24
25	MP3A	X	-84.162	72
26	MP3A	Z	145.773	72
27	MP3A	Mx	.036	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	-39.329	36
2	MP1A	Z	22.707	36
3	MP1A	Mx	.019	36
4	MP1A	X	-39.329	60
5	MP1A	Z	22.707	60
6	MP1A	Mx	.019	60
7	MP3A	X	-41.125	48
8	MP3A	Z	23.744	48
9	MP3A	Mx	-.019	48
10	MP2A	X	-36.618	48
11	MP2A	Z	21.141	48
12	MP2A	Mx	-.017	48
13	OVP	X	-82.881	15
14	OVP	Z	47.851	15
15	OVP	Mx	0	15
16	MP2A	X	-103.178	24
17	MP2A	Z	59.57	24
18	MP2A	Mx	.049	24
19	MP2A	X	-103.178	72
20	MP2A	Z	59.57	72
21	MP2A	Mx	.049	72
22	MP3A	X	-103.178	24
23	MP3A	Z	59.57	24
24	MP3A	Mx	.049	24
25	MP3A	X	-103.178	72
26	MP3A	Z	59.57	72
27	MP3A	Mx	.049	72



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	-30.403	36
2	MP1A	Z	0	36
3	MP1A	Mx	.015	36
4	MP1A	X	-30.403	60
5	MP1A	Z	0	60
6	MP1A	Mx	.015	60
7	MP3A	X	-40.979	48
8	MP3A	Z	0	48
9	MP3A	Mx	-.02	48
10	MP2A	X	-33.281	48
11	MP2A	Z	0	48
12	MP2A	Mx	-.017	48
13	OVP	X	-116.309	15
14	OVP	Z	0	15
15	OVP	Mx	0	15
16	MP2A	X	-87.037	24
17	MP2A	Z	0	24
18	MP2A	Mx	.043	24
19	MP2A	X	-87.037	72
20	MP2A	Z	0	72
21	MP2A	Mx	.043	72
22	MP3A	X	-87.037	24
23	MP3A	Z	0	24
24	MP3A	Mx	.043	24
25	MP3A	X	-87.037	72
26	MP3A	Z	0	72
27	MP3A	Mx	.043	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	-33.247	36
2	MP1A	Z	-19.195	36
3	MP1A	Mx	.017	36
4	MP1A	X	-33.247	60
5	MP1A	Z	-19.195	60
6	MP1A	Mx	.017	60
7	MP3A	X	-38.488	48
8	MP3A	Z	-22.221	48
9	MP3A	Mx	-.02	48
10	MP2A	X	-32.97	48
11	MP2A	Z	-19.035	48
12	MP2A	Mx	-.017	48
13	OVP	X	-106.924	15
14	OVP	Z	-61.733	15
15	OVP	Mx	0	15
16	MP2A	X	-90.169	24
17	MP2A	Z	-52.059	24
18	MP2A	Mx	.047	24
19	MP2A	X	-90.169	72
20	MP2A	Z	-52.059	72
21	MP2A	Mx	.047	72
22	MP3A	X	-90.169	24
23	MP3A	Z	-52.059	24
24	MP3A	Mx	.047	24
25	MP3A	X	-90.169	72
26	MP3A	Z	-52.059	72



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
27	MP3A	Mx	.047	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	-30.693	36
2	MP1A	Z	-53.163	36
3	MP1A	Mx	.018	36
4	MP1A	X	-30.693	60
5	MP1A	Z	-53.163	60
6	MP1A	Mx	.018	60
7	MP3A	X	-27.207	48
8	MP3A	Z	-47.123	48
9	MP3A	Mx	-.016	48
10	MP2A	X	-25.931	48
11	MP2A	Z	-44.913	48
12	MP2A	Mx	-.015	48
13	OVP	X	-55.008	15
14	OVP	Z	-95.276	15
15	OVP	Mx	0	15
16	MP2A	X	-76.651	24
17	MP2A	Z	-132.764	24
18	MP2A	Mx	.044	24
19	MP2A	X	-76.651	72
20	MP2A	Z	-132.764	72
21	MP2A	Mx	.044	72
22	MP3A	X	-76.651	24
23	MP3A	Z	-132.764	24
24	MP3A	Mx	.044	24
25	MP3A	X	-76.651	72
26	MP3A	Z	-132.764	72
27	MP3A	Mx	.044	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	0	36
2	MP1A	Z	-14.715	36
3	MP1A	Mx	.000641	36
4	MP1A	X	0	60
5	MP1A	Z	-14.715	60
6	MP1A	Mx	.000641	60
7	MP3A	X	0	48
8	MP3A	Z	-12.417	48
9	MP3A	Mx	-.000541	48
10	MP2A	X	0	48
11	MP2A	Z	-12.406	48
12	MP2A	Mx	-.000541	48
13	OVP	X	0	15
14	OVP	Z	-17.745	15
15	OVP	Mx	0	15
16	MP2A	X	0	24
17	MP2A	Z	-34.229	24
18	MP2A	Mx	.001	24
19	MP2A	X	0	72
20	MP2A	Z	-34.229	72
21	MP2A	Mx	.001	72
22	MP3A	X	0	24



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
23	MP3A	Z	-34.229	24
24	MP3A	Mx	.001	24
25	MP3A	X	0	72
26	MP3A	Z	-34.229	72
27	MP3A	Mx	.001	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP1A	X	6.631	36
2	MP1A	Z	-11.486	36
3	MP1A	Mx	-.003	36
4	MP1A	X	6.631	60
5	MP1A	Z	-11.486	60
6	MP1A	Mx	-.003	60
7	MP3A	X	5.884	48
8	MP3A	Z	-10.192	48
9	MP3A	Mx	.002	48
10	MP2A	X	5.755	48
11	MP2A	Z	-9.969	48
12	MP2A	Mx	.002	48
13	OVP	X	8.224	15
14	OVP	Z	-14.244	15
15	OVP	Mx	0	15
16	MP2A	X	15.625	24
17	MP2A	Z	-27.063	24
18	MP2A	Mx	-.007	24
19	MP2A	X	15.625	72
20	MP2A	Z	-27.063	72
21	MP2A	Mx	-.007	72
22	MP3A	X	15.625	24
23	MP3A	Z	-27.063	24
24	MP3A	Mx	-.007	24
25	MP3A	X	15.625	72
26	MP3A	Z	-27.063	72
27	MP3A	Mx	-.007	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP1A	X	7.865	36
2	MP1A	Z	-4.541	36
3	MP1A	Mx	-.004	36
4	MP1A	X	7.865	60
5	MP1A	Z	-4.541	60
6	MP1A	Mx	-.004	60
7	MP3A	X	8.574	48
8	MP3A	Z	-4.95	48
9	MP3A	Mx	.004	48
10	MP2A	X	7.736	48
11	MP2A	Z	-4.466	48
12	MP2A	Mx	.004	48
13	OVP	X	16.356	15
14	OVP	Z	-9.443	15
15	OVP	Mx	0	15
16	MP2A	X	19.631	24
17	MP2A	Z	-11.334	24
18	MP2A	Mx	-.009	24



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
19	MP2A	X	19.631	72
20	MP2A	Z	-11.334	72
21	MP2A	Mx	-.009	72
22	MP3A	X	19.631	24
23	MP3A	Z	-11.334	24
24	MP3A	Mx	-.009	24
25	MP3A	X	19.631	72
26	MP3A	Z	-11.334	72
27	MP3A	Mx	-.009	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	6.352	36
2	MP1A	Z	0	36
3	MP1A	Mx	-.003	36
4	MP1A	X	6.352	60
5	MP1A	Z	0	60
6	MP1A	Mx	-.003	60
7	MP3A	X	8.681	48
8	MP3A	Z	0	48
9	MP3A	Mx	.004	48
10	MP2A	X	7.25	48
11	MP2A	Z	0	48
12	MP2A	Mx	.004	48
13	OVP	X	22.621	15
14	OVP	Z	0	15
15	OVP	Mx	0	15
16	MP2A	X	17.067	24
17	MP2A	Z	0	24
18	MP2A	Mx	-.009	24
19	MP2A	X	17.067	72
20	MP2A	Z	0	72
21	MP2A	Mx	-.009	72
22	MP3A	X	17.067	24
23	MP3A	Z	0	24
24	MP3A	Mx	-.009	24
25	MP3A	X	17.067	72
26	MP3A	Z	0	72
27	MP3A	Mx	-.009	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	6.759	36
2	MP1A	Z	3.902	36
3	MP1A	Mx	-.004	36
4	MP1A	X	6.759	60
5	MP1A	Z	3.902	60
6	MP1A	Mx	-.004	60
7	MP3A	X	8.08	48
8	MP3A	Z	4.665	48
9	MP3A	Mx	.004	48
10	MP2A	X	7.054	48
11	MP2A	Z	4.073	48
12	MP2A	Mx	.004	48
13	OVP	X	20.714	15
14	OVP	Z	11.959	15



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.-%]
15	OVP	Mx	0	15
16	MP2A	X	17.361	24
17	MP2A	Z	10.024	24
18	MP2A	Mx	-.009	24
19	MP2A	X	17.361	72
20	MP2A	Z	10.024	72
21	MP2A	Mx	-.009	72
22	MP3A	X	17.361	24
23	MP3A	Z	10.024	24
24	MP3A	Mx	-.009	24
25	MP3A	X	17.361	72
26	MP3A	Z	10.024	72
27	MP3A	Mx	-.009	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.-%]
1	MP1A	X	5.993	36
2	MP1A	Z	10.38	36
3	MP1A	Mx	-.003	36
4	MP1A	X	5.993	60
5	MP1A	Z	10.38	60
6	MP1A	Mx	-.003	60
7	MP3A	X	5.599	48
8	MP3A	Z	9.698	48
9	MP3A	Mx	.003	48
10	MP2A	X	5.362	48
11	MP2A	Z	9.287	48
12	MP2A	Mx	.003	48
13	OVP	X	10.74	15
14	OVP	Z	18.603	15
15	OVP	Mx	0	15
16	MP2A	X	14.314	24
17	MP2A	Z	24.793	24
18	MP2A	Mx	-.008	24
19	MP2A	X	14.314	72
20	MP2A	Z	24.793	72
21	MP2A	Mx	-.008	72
22	MP3A	X	14.314	24
23	MP3A	Z	24.793	24
24	MP3A	Mx	-.008	24
25	MP3A	X	14.314	72
26	MP3A	Z	24.793	72
27	MP3A	Mx	-.008	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.-%]
1	MP1A	X	0	36
2	MP1A	Z	14.715	36
3	MP1A	Mx	-.000641	36
4	MP1A	X	0	60
5	MP1A	Z	14.715	60
6	MP1A	Mx	-.000641	60
7	MP3A	X	0	48
8	MP3A	Z	12.417	48
9	MP3A	Mx	.000541	48
10	MP2A	X	0	48



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
11	MP2A	Z	12.406	48
12	MP2A	Mx	.000541	48
13	OVP	X	0	15
14	OVP	Z	17.745	15
15	OVP	Mx	0	15
16	MP2A	X	0	24
17	MP2A	Z	34.229	24
18	MP2A	Mx	-.001	24
19	MP2A	X	0	72
20	MP2A	Z	34.229	72
21	MP2A	Mx	-.001	72
22	MP3A	X	0	24
23	MP3A	Z	34.229	24
24	MP3A	Mx	-.001	24
25	MP3A	X	0	72
26	MP3A	Z	34.229	72
27	MP3A	Mx	-.001	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	-6.631	36
2	MP1A	Z	11.486	36
3	MP1A	Mx	.003	36
4	MP1A	X	-6.631	60
5	MP1A	Z	11.486	60
6	MP1A	Mx	.003	60
7	MP3A	X	-5.884	48
8	MP3A	Z	10.192	48
9	MP3A	Mx	-.002	48
10	MP2A	X	-5.755	48
11	MP2A	Z	9.969	48
12	MP2A	Mx	-.002	48
13	OVP	X	-8.224	15
14	OVP	Z	14.244	15
15	OVP	Mx	0	15
16	MP2A	X	-15.625	24
17	MP2A	Z	27.063	24
18	MP2A	Mx	.007	24
19	MP2A	X	-15.625	72
20	MP2A	Z	27.063	72
21	MP2A	Mx	.007	72
22	MP3A	X	-15.625	24
23	MP3A	Z	27.063	24
24	MP3A	Mx	.007	24
25	MP3A	X	-15.625	72
26	MP3A	Z	27.063	72
27	MP3A	Mx	.007	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	-7.865	36
2	MP1A	Z	4.541	36
3	MP1A	Mx	.004	36
4	MP1A	X	-7.865	60
5	MP1A	Z	4.541	60
6	MP1A	Mx	.004	60



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
7	MP3A	X	-8.574	48
8	MP3A	Z	4.95	48
9	MP3A	Mx	-.004	48
10	MP2A	X	-7.736	48
11	MP2A	Z	4.466	48
12	MP2A	Mx	-.004	48
13	OVP	X	-16.356	15
14	OVP	Z	9.443	15
15	OVP	Mx	0	15
16	MP2A	X	-19.631	24
17	MP2A	Z	11.334	24
18	MP2A	Mx	.009	24
19	MP2A	X	-19.631	72
20	MP2A	Z	11.334	72
21	MP2A	Mx	.009	72
22	MP3A	X	-19.631	24
23	MP3A	Z	11.334	24
24	MP3A	Mx	.009	24
25	MP3A	X	-19.631	72
26	MP3A	Z	11.334	72
27	MP3A	Mx	.009	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	-6.352	36
2	MP1A	Z	0	36
3	MP1A	Mx	.003	36
4	MP1A	X	-6.352	60
5	MP1A	Z	0	60
6	MP1A	Mx	.003	60
7	MP3A	X	-8.681	48
8	MP3A	Z	0	48
9	MP3A	Mx	-.004	48
10	MP2A	X	-7.25	48
11	MP2A	Z	0	48
12	MP2A	Mx	-.004	48
13	OVP	X	-22.621	15
14	OVP	Z	0	15
15	OVP	Mx	0	15
16	MP2A	X	-17.067	24
17	MP2A	Z	0	24
18	MP2A	Mx	.009	24
19	MP2A	X	-17.067	72
20	MP2A	Z	0	72
21	MP2A	Mx	.009	72
22	MP3A	X	-17.067	24
23	MP3A	Z	0	24
24	MP3A	Mx	.009	24
25	MP3A	X	-17.067	72
26	MP3A	Z	0	72
27	MP3A	Mx	.009	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	-6.759	36
2	MP1A	Z	-3.902	36



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
3	MP1A	Mx	.004	36
4	MP1A	X	-6.759	60
5	MP1A	Z	-3.902	60
6	MP1A	Mx	.004	60
7	MP3A	X	-8.08	48
8	MP3A	Z	-4.665	48
9	MP3A	Mx	-.004	48
10	MP2A	X	-7.054	48
11	MP2A	Z	-4.073	48
12	MP2A	Mx	-.004	48
13	OVP	X	-20.714	15
14	OVP	Z	-11.959	15
15	OVP	Mx	0	15
16	MP2A	X	-17.361	24
17	MP2A	Z	-10.024	24
18	MP2A	Mx	.009	24
19	MP2A	X	-17.361	72
20	MP2A	Z	-10.024	72
21	MP2A	Mx	.009	72
22	MP3A	X	-17.361	24
23	MP3A	Z	-10.024	24
24	MP3A	Mx	.009	24
25	MP3A	X	-17.361	72
26	MP3A	Z	-10.024	72
27	MP3A	Mx	.009	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	-5.993	36
2	MP1A	Z	-10.38	36
3	MP1A	Mx	.003	36
4	MP1A	X	-5.993	60
5	MP1A	Z	-10.38	60
6	MP1A	Mx	.003	60
7	MP3A	X	-5.599	48
8	MP3A	Z	-9.698	48
9	MP3A	Mx	-.003	48
10	MP2A	X	-5.362	48
11	MP2A	Z	-9.287	48
12	MP2A	Mx	-.003	48
13	OVP	X	-10.74	15
14	OVP	Z	-18.603	15
15	OVP	Mx	0	15
16	MP2A	X	-14.314	24
17	MP2A	Z	-24.793	24
18	MP2A	Mx	.008	24
19	MP2A	X	-14.314	72
20	MP2A	Z	-24.793	72
21	MP2A	Mx	.008	72
22	MP3A	X	-14.314	24
23	MP3A	Z	-24.793	24
24	MP3A	Mx	.008	24
25	MP3A	X	-14.314	72
26	MP3A	Z	-24.793	72
27	MP3A	Mx	.008	72



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	0	36
2	MP1A	Z	-4.696	36
3	MP1A	Mx	.000205	36
4	MP1A	X	0	60
5	MP1A	Z	-4.696	60
6	MP1A	Mx	.000205	60
7	MP3A	X	0	48
8	MP3A	Z	-3.745	48
9	MP3A	Mx	-.000163	48
10	MP2A	X	0	48
11	MP2A	Z	-3.741	48
12	MP2A	Mx	-.000163	48
13	OVP	X	0	15
14	OVP	Z	-5.496	15
15	OVP	Mx	0	15
16	MP2A	X	0	24
17	MP2A	Z	-11.397	24
18	MP2A	Mx	.000497	24
19	MP2A	X	0	72
20	MP2A	Z	-11.397	72
21	MP2A	Mx	.000497	72
22	MP3A	X	0	24
23	MP3A	Z	-11.397	24
24	MP3A	Mx	.000497	24
25	MP3A	X	0	72
26	MP3A	Z	-11.397	72
27	MP3A	Mx	.000497	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	2.103	36
2	MP1A	Z	-3.642	36
3	MP1A	Mx	-.000889	36
4	MP1A	X	2.103	60
5	MP1A	Z	-3.642	60
6	MP1A	Mx	-.000889	60
7	MP3A	X	1.766	48
8	MP3A	Z	-3.059	48
9	MP3A	Mx	.000746	48
10	MP2A	X	1.723	48
11	MP2A	Z	-2.985	48
12	MP2A	Mx	.000728	48
13	OVP	X	2.528	15
14	OVP	Z	-4.379	15
15	OVP	Mx	0	15
16	MP2A	X	5.174	24
17	MP2A	Z	-8.961	24
18	MP2A	Mx	-.002	24
19	MP2A	X	5.174	72
20	MP2A	Z	-8.961	72
21	MP2A	Mx	-.002	72
22	MP3A	X	5.174	24
23	MP3A	Z	-8.961	24
24	MP3A	Mx	-.002	24
25	MP3A	X	5.174	72
26	MP3A	Z	-8.961	72



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
27	MP3A	Mx	-0.002	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	2.418	36
2	MP1A	Z	-1.396	36
3	MP1A	Mx	-0.001	36
4	MP1A	X	2.418	60
5	MP1A	Z	-1.396	60
6	MP1A	Mx	-0.001	60
7	MP3A	X	2.528	48
8	MP3A	Z	-1.46	48
9	MP3A	Mx	.001	48
10	MP2A	X	2.251	48
11	MP2A	Z	-1.3	48
12	MP2A	Mx	.001	48
13	OVP	X	5.095	15
14	OVP	Z	-2.941	15
15	OVP	Mx	0	15
16	MP2A	X	6.342	24
17	MP2A	Z	-3.662	24
18	MP2A	Mx	-0.003	24
19	MP2A	X	6.342	72
20	MP2A	Z	-3.662	72
21	MP2A	Mx	-0.003	72
22	MP3A	X	6.342	24
23	MP3A	Z	-3.662	24
24	MP3A	Mx	-0.003	24
25	MP3A	X	6.342	72
26	MP3A	Z	-3.662	72
27	MP3A	Mx	-0.003	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	1.869	36
2	MP1A	Z	0	36
3	MP1A	Mx	-.000931	36
4	MP1A	X	1.869	60
5	MP1A	Z	0	60
6	MP1A	Mx	-.000931	60
7	MP3A	X	2.519	48
8	MP3A	Z	0	48
9	MP3A	Mx	.001	48
10	MP2A	X	2.046	48
11	MP2A	Z	0	48
12	MP2A	Mx	.001	48
13	OVP	X	7.15	15
14	OVP	Z	0	15
15	OVP	Mx	0	15
16	MP2A	X	5.35	24
17	MP2A	Z	0	24
18	MP2A	Mx	-0.003	24
19	MP2A	X	5.35	72
20	MP2A	Z	0	72
21	MP2A	Mx	-0.003	72
22	MP3A	X	5.35	24



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
23	MP3A	Z	0	24
24	MP3A	Mx	-.003	24
25	MP3A	X	5.35	72
26	MP3A	Z	0	72
27	MP3A	Mx	-.003	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP1A	X	2.044	36
2	MP1A	Z	1.18	36
3	MP1A	Mx	-.001	36
4	MP1A	X	2.044	60
5	MP1A	Z	1.18	60
6	MP1A	Mx	-.001	60
7	MP3A	X	2.366	48
8	MP3A	Z	1.366	48
9	MP3A	Mx	.001	48
10	MP2A	X	2.027	48
11	MP2A	Z	1.17	48
12	MP2A	Mx	.001	48
13	OVP	X	6.573	15
14	OVP	Z	3.795	15
15	OVP	Mx	0	15
16	MP2A	X	5.543	24
17	MP2A	Z	3.2	24
18	MP2A	Mx	-.003	24
19	MP2A	X	5.543	72
20	MP2A	Z	3.2	72
21	MP2A	Mx	-.003	72
22	MP3A	X	5.543	24
23	MP3A	Z	3.2	24
24	MP3A	Mx	-.003	24
25	MP3A	X	5.543	72
26	MP3A	Z	3.2	72
27	MP3A	Mx	-.003	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP1A	X	1.887	36
2	MP1A	Z	3.268	36
3	MP1A	Mx	-.001	36
4	MP1A	X	1.887	60
5	MP1A	Z	3.268	60
6	MP1A	Mx	-.001	60
7	MP3A	X	1.672	48
8	MP3A	Z	2.897	48
9	MP3A	Mx	.000959	48
10	MP2A	X	1.594	48
11	MP2A	Z	2.761	48
12	MP2A	Mx	.000914	48
13	OVP	X	3.381	15
14	OVP	Z	5.857	15
15	OVP	Mx	0	15
16	MP2A	X	4.712	24
17	MP2A	Z	8.161	24
18	MP2A	Mx	-.003	24



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
19	MP2A	X	4.712	72
20	MP2A	Z	8.161	72
21	MP2A	Mx	-.003	72
22	MP3A	X	4.712	24
23	MP3A	Z	8.161	24
24	MP3A	Mx	-.003	24
25	MP3A	X	4.712	72
26	MP3A	Z	8.161	72
27	MP3A	Mx	-.003	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	0	36
2	MP1A	Z	4.696	36
3	MP1A	Mx	-.000205	36
4	MP1A	X	0	60
5	MP1A	Z	4.696	60
6	MP1A	Mx	-.000205	60
7	MP3A	X	0	48
8	MP3A	Z	3.745	48
9	MP3A	Mx	.000163	48
10	MP2A	X	0	48
11	MP2A	Z	3.741	48
12	MP2A	Mx	.000163	48
13	OVP	X	0	15
14	OVP	Z	5.496	15
15	OVP	Mx	0	15
16	MP2A	X	0	24
17	MP2A	Z	11.397	24
18	MP2A	Mx	-.000497	24
19	MP2A	X	0	72
20	MP2A	Z	11.397	72
21	MP2A	Mx	-.000497	72
22	MP3A	X	0	24
23	MP3A	Z	11.397	24
24	MP3A	Mx	-.000497	24
25	MP3A	X	0	72
26	MP3A	Z	11.397	72
27	MP3A	Mx	-.000497	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP1A	X	-2.103	36
2	MP1A	Z	3.642	36
3	MP1A	Mx	.000889	36
4	MP1A	X	-2.103	60
5	MP1A	Z	3.642	60
6	MP1A	Mx	.000889	60
7	MP3A	X	-1.766	48
8	MP3A	Z	3.059	48
9	MP3A	Mx	-.000746	48
10	MP2A	X	-1.723	48
11	MP2A	Z	2.985	48
12	MP2A	Mx	-.000728	48
13	OVP	X	-2.528	15
14	OVP	Z	4.379	15



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.-%]
15	OVP	Mx	0	15
16	MP2A	X	-5.174	24
17	MP2A	Z	8.961	24
18	MP2A	Mx	.002	24
19	MP2A	X	-5.174	72
20	MP2A	Z	8.961	72
21	MP2A	Mx	.002	72
22	MP3A	X	-5.174	24
23	MP3A	Z	8.961	24
24	MP3A	Mx	.002	24
25	MP3A	X	-5.174	72
26	MP3A	Z	8.961	72
27	MP3A	Mx	.002	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.-%]
1	MP1A	X	-2.418	36
2	MP1A	Z	1.396	36
3	MP1A	Mx	.001	36
4	MP1A	X	-2.418	60
5	MP1A	Z	1.396	60
6	MP1A	Mx	.001	60
7	MP3A	X	-2.528	48
8	MP3A	Z	1.46	48
9	MP3A	Mx	-.001	48
10	MP2A	X	-2.251	48
11	MP2A	Z	1.3	48
12	MP2A	Mx	-.001	48
13	OVP	X	-5.095	15
14	OVP	Z	2.941	15
15	OVP	Mx	0	15
16	MP2A	X	-6.342	24
17	MP2A	Z	3.662	24
18	MP2A	Mx	.003	24
19	MP2A	X	-6.342	72
20	MP2A	Z	3.662	72
21	MP2A	Mx	.003	72
22	MP3A	X	-6.342	24
23	MP3A	Z	3.662	24
24	MP3A	Mx	.003	24
25	MP3A	X	-6.342	72
26	MP3A	Z	3.662	72
27	MP3A	Mx	.003	72

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.-%]
1	MP1A	X	-1.869	36
2	MP1A	Z	0	36
3	MP1A	Mx	.000931	36
4	MP1A	X	-1.869	60
5	MP1A	Z	0	60
6	MP1A	Mx	.000931	60
7	MP3A	X	-2.519	48
8	MP3A	Z	0	48
9	MP3A	Mx	-.001	48
10	MP2A	X	-2.046	48



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	MP2A	Z	0	48
12	MP2A	Mx	-.001	48
13	OVP	X	-7.15	15
14	OVP	Z	0	15
15	OVP	Mx	0	15
16	MP2A	X	-5.35	24
17	MP2A	Z	0	24
18	MP2A	Mx	.003	24
19	MP2A	X	-5.35	72
20	MP2A	Z	0	72
21	MP2A	Mx	.003	72
22	MP3A	X	-5.35	24
23	MP3A	Z	0	24
24	MP3A	Mx	.003	24
25	MP3A	X	-5.35	72
26	MP3A	Z	0	72
27	MP3A	Mx	.003	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-2.044	36
2	MP1A	Z	-1.18	36
3	MP1A	Mx	.001	36
4	MP1A	X	-2.044	60
5	MP1A	Z	-1.18	60
6	MP1A	Mx	.001	60
7	MP3A	X	-2.366	48
8	MP3A	Z	-1.366	48
9	MP3A	Mx	-.001	48
10	MP2A	X	-2.027	48
11	MP2A	Z	-1.17	48
12	MP2A	Mx	-.001	48
13	OVP	X	-6.573	15
14	OVP	Z	-3.795	15
15	OVP	Mx	0	15
16	MP2A	X	-5.543	24
17	MP2A	Z	-3.2	24
18	MP2A	Mx	.003	24
19	MP2A	X	-5.543	72
20	MP2A	Z	-3.2	72
21	MP2A	Mx	.003	72
22	MP3A	X	-5.543	24
23	MP3A	Z	-3.2	24
24	MP3A	Mx	.003	24
25	MP3A	X	-5.543	72
26	MP3A	Z	-3.2	72
27	MP3A	Mx	.003	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-1.887	36
2	MP1A	Z	-3.268	36
3	MP1A	Mx	.001	36
4	MP1A	X	-1.887	60
5	MP1A	Z	-3.268	60
6	MP1A	Mx	.001	60

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in, %]
7	MP3A	X	-1.672	48
8	MP3A	Z	-2.897	48
9	MP3A	Mx	-.000959	48
10	MP2A	X	-1.594	48
11	MP2A	Z	-2.761	48
12	MP2A	Mx	-.000914	48
13	OVP	X	-3.381	15
14	OVP	Z	-5.857	15
15	OVP	Mx	0	15
16	MP2A	X	-4.712	24
17	MP2A	Z	-8.161	24
18	MP2A	Mx	.003	24
19	MP2A	X	-4.712	72
20	MP2A	Z	-8.161	72
21	MP2A	Mx	.003	72
22	MP3A	X	-4.712	24
23	MP3A	Z	-8.161	24
24	MP3A	Mx	.003	24
25	MP3A	X	-4.712	72
26	MP3A	Z	-8.161	72
27	MP3A	Mx	.003	72

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in, %]
1	LIVE2	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in, %]
1	LIVE1	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb.k-ft]	End Magnitude[lb.k-ft]	Start Location[in, %]	End Location[in, %]
1	FACE	Y	-5.572	-5.572	0	%100
2	M2	Y	-5.572	-5.572	0	%100
3	M13	Y	-6.517	-6.517	0	%100
4	M14	Y	-6.517	-6.517	0	%100
5	M15	Y	-6.517	-6.517	0	%100
6	M16	Y	-6.517	-6.517	0	%100
7	OVP	Y	-4.878	-4.878	0	%100
8	M18	Y	-4.878	-4.878	0	%100
9	M19	Y	-4.878	-4.878	0	%100
10	M20	Y	-4.878	-4.878	0	%100
11	M21	Y	-6.517	-6.517	0	%100
12	M22	Y	-6.517	-6.517	0	%100
13	M23	Y	-6.517	-6.517	0	%100



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

	Member Label	Direction	Start Magnitude[...]	End Magnitude[lb/ft,F,ksf]	Start Location[in....]	End Location[in.%]
14	M24	Y	-6.517	-6.517	0	%100
15	M25	Y	-2.621	-2.621	0	%100
16	M26	Y	-2.621	-2.621	0	%100
17	M27	Y	-2.621	-2.621	0	%100
18	M28	Y	-2.621	-2.621	0	%100
19	M32	Y	-4.878	-4.878	0	%100
20	MP1A	Y	-4.878	-4.878	0	%100
21	M44	Y	-2.447	-2.447	0	%100
22	M45	Y	-2.447	-2.447	0	%100
23	M46	Y	-2.447	-2.447	0	%100
24	M47	Y	-2.447	-2.447	0	%100
25	MP2A	Y	-4.878	-4.878	0	%100
26	MP3A	Y	-4.878	-4.878	0	%100
27	MP4A	Y	-4.878	-4.878	0	%100
28	MP5A	Y	-4.878	-4.878	0	%100

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

	Member Label	Direction	Start Magnitude[...]	End Magnitude[lb/ft,F,ksf]	Start Location[in....]	End Location[in.%]
1	FACE	X	0	0	0	%100
2	FACE	Z	-9.39	-9.39	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-9.39	-9.39	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	0	0	0	%100
14	OVP	Z	-3.707	-3.707	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-3.707	-3.707	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-3.707	-3.707	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-3.707	-3.707	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-2.041	-2.041	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-2.041	-2.041	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-2.041	-2.041	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-2.041	-2.041	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-2.114	-2.114	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-2.114	-2.114	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-2.114	-2.114	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-2.114	-2.114	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	-.137	-.137	0	%100



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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
39	MP1A	X	0	0	0	%100
40	MP1A	Z	-7.757	-7.757	0	%100
41	M44	X	0	0	0	%100
42	M44	Z	-2.041	-2.041	0	%100
43	M45	X	0	0	0	%100
44	M45	Z	-2.041	-2.041	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-2.041	-2.041	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	-2.041	-2.041	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	-7.757	-7.757	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	-7.757	-7.757	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	-7.757	-7.757	0	%100
55	MP5A	X	0	0	0	%100
56	MP5A	Z	-7.757	-7.757	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	3.521	3.521	0	%100
2	FACE	Z	-6.099	-6.099	0	%100
3	M2	X	3.521	3.521	0	%100
4	M2	Z	-6.099	-6.099	0	%100
5	M13	X	.255	.255	0	%100
6	M13	Z	-.442	-.442	0	%100
7	M14	X	.255	.255	0	%100
8	M14	Z	-.442	-.442	0	%100
9	M15	X	.255	.255	0	%100
10	M15	Z	-.442	-.442	0	%100
11	M16	X	.255	.255	0	%100
12	M16	Z	-.442	-.442	0	%100
13	OVP	X	.417	.417	0	%100
14	OVP	Z	-.723	-.723	0	%100
15	M18	X	.417	.417	0	%100
16	M18	Z	-.723	-.723	0	%100
17	M19	X	2.931	2.931	0	%100
18	M19	Z	-5.077	-5.077	0	%100
19	M20	X	2.931	2.931	0	%100
20	M20	Z	-5.077	-5.077	0	%100
21	M21	X	.765	.765	0	%100
22	M21	Z	-1.326	-1.326	0	%100
23	M22	X	.765	.765	0	%100
24	M22	Z	-1.326	-1.326	0	%100
25	M23	X	.765	.765	0	%100
26	M23	Z	-1.326	-1.326	0	%100
27	M24	X	.765	.765	0	%100
28	M24	Z	-1.326	-1.326	0	%100
29	M25	X	.845	.845	0	%100
30	M25	Z	-1.464	-1.464	0	%100
31	M26	X	.845	.845	0	%100
32	M26	Z	-1.464	-1.464	0	%100
33	M27	X	1.216	1.216	0	%100
34	M27	Z	-2.106	-2.106	0	%100
35	M28	X	1.216	1.216	0	%100



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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in....	End Location[in.%]
36	M28	Z	-2.106	-2.106	0	%100
37	M32	X	.564	.564	0	%100
38	M32	Z	-.976	-.976	0	%100
39	MP1A	X	3.878	3.878	0	%100
40	MP1A	Z	-6.718	-6.718	0	%100
41	M44	X	1.021	1.021	0	%100
42	M44	Z	-1.768	-1.768	0	%100
43	M45	X	1.021	1.021	0	%100
44	M45	Z	-1.768	-1.768	0	%100
45	M46	X	1.021	1.021	0	%100
46	M46	Z	-1.768	-1.768	0	%100
47	M47	X	1.021	1.021	0	%100
48	M47	Z	-1.768	-1.768	0	%100
49	MP2A	X	3.878	3.878	0	%100
50	MP2A	Z	-6.718	-6.718	0	%100
51	MP3A	X	3.878	3.878	0	%100
52	MP3A	Z	-6.718	-6.718	0	%100
53	MP4A	X	3.878	3.878	0	%100
54	MP4A	Z	-6.718	-6.718	0	%100
55	MP5A	X	3.878	3.878	0	%100
56	MP5A	Z	-6.718	-6.718	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in....	End Location[in.%]
1	FACE	X	2.033	2.033	0	%100
2	FACE	Z	-1.174	-1.174	0	%100
3	M2	X	2.033	2.033	0	%100
4	M2	Z	-1.174	-1.174	0	%100
5	M13	X	1.326	1.326	0	%100
6	M13	Z	-.765	-.765	0	%100
7	M14	X	1.326	1.326	0	%100
8	M14	Z	-.765	-.765	0	%100
9	M15	X	1.326	1.326	0	%100
10	M15	Z	-.765	-.765	0	%100
11	M16	X	1.326	1.326	0	%100
12	M16	Z	-.765	-.765	0	%100
13	OVP	X	.102	.102	0	%100
14	OVP	Z	-.059	-.059	0	%100
15	M18	X	.102	.102	0	%100
16	M18	Z	-.059	-.059	0	%100
17	M19	X	4.456	4.456	0	%100
18	M19	Z	-2.573	-2.573	0	%100
19	M20	X	4.456	4.456	0	%100
20	M20	Z	-2.573	-2.573	0	%100
21	M21	X	.442	.442	0	%100
22	M21	Z	-.255	-.255	0	%100
23	M22	X	.442	.442	0	%100
24	M22	Z	-.255	-.255	0	%100
25	M23	X	.442	.442	0	%100
26	M23	Z	-.255	-.255	0	%100
27	M24	X	.442	.442	0	%100
28	M24	Z	-.255	-.255	0	%100
29	M25	X	1.372	1.372	0	%100
30	M25	Z	-.792	-.792	0	%100
31	M26	X	1.372	1.372	0	%100
32	M26	Z	-.792	-.792	0	%100



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

	Member Label	Direction	Start Magnitude[...]	End Magnitude[lb/ft,F,ksf]	Start Location[in,...]	End Location[in, %]
33	M27	X	2.015	2.015	0	%100
34	M27	Z	-1.163	-1.163	0	%100
35	M28	X	2.015	2.015	0	%100
36	M28	Z	-1.163	-1.163	0	%100
37	M32	X	4.217	4.217	0	%100
38	M32	Z	-2.435	-2.435	0	%100
39	MP1A	X	6.718	6.718	0	%100
40	MP1A	Z	-3.878	-3.878	0	%100
41	M44	X	1.768	1.768	0	%100
42	M44	Z	-1.021	-1.021	0	%100
43	M45	X	1.768	1.768	0	%100
44	M45	Z	-1.021	-1.021	0	%100
45	M46	X	1.768	1.768	0	%100
46	M46	Z	-1.021	-1.021	0	%100
47	M47	X	1.768	1.768	0	%100
48	M47	Z	-1.021	-1.021	0	%100
49	MP2A	X	6.718	6.718	0	%100
50	MP2A	Z	-3.878	-3.878	0	%100
51	MP3A	X	6.718	6.718	0	%100
52	MP3A	Z	-3.878	-3.878	0	%100
53	MP4A	X	6.718	6.718	0	%100
54	MP4A	Z	-3.878	-3.878	0	%100
55	MP5A	X	6.718	6.718	0	%100
56	MP5A	Z	-3.878	-3.878	0	%100

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

	Member Label	Direction	Start Magnitude[...]	End Magnitude[lb/ft,F,ksf]	Start Location[in,...]	End Location[in, %]
1	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	2.041	2.041	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	2.041	2.041	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	2.041	2.041	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	2.041	2.041	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	2.273	2.273	0	%100
14	OVP	Z	0	0	0	%100
15	M18	X	2.273	2.273	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	2.273	2.273	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	2.273	2.273	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	1.903	1.903	0	%100



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

	Member Label	Direction	Start Magnitude[l...]	End Magnitude[lb/ft,F,ksf]	Start Location[in,...]	End Location[in, %]
30	M25	Z	0	0	0	%100
31	M26	X	1.903	1.903	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	1.903	1.903	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	1.903	1.903	0	%100
36	M28	Z	0	0	0	%100
37	M32	X	7.621	7.621	0	%100
38	M32	Z	0	0	0	%100
39	MP1A	X	7.757	7.757	0	%100
40	MP1A	Z	0	0	0	%100
41	M44	X	2.041	2.041	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	2.041	2.041	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	2.041	2.041	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	2.041	2.041	0	%100
48	M47	Z	0	0	0	%100
49	MP2A	X	7.757	7.757	0	%100
50	MP2A	Z	0	0	0	%100
51	MP3A	X	7.757	7.757	0	%100
52	MP3A	Z	0	0	0	%100
53	MP4A	X	7.757	7.757	0	%100
54	MP4A	Z	0	0	0	%100
55	MP5A	X	7.757	7.757	0	%100
56	MP5A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[l...]	End Magnitude[lb/ft,F,ksf]	Start Location[in,...]	End Location[in, %]
1	FACE	X	2.033	2.033	0	%100
2	FACE	Z	1.174	1.174	0	%100
3	M2	X	2.033	2.033	0	%100
4	M2	Z	1.174	1.174	0	%100
5	M13	X	1.326	1.326	0	%100
6	M13	Z	.765	.765	0	%100
7	M14	X	1.326	1.326	0	%100
8	M14	Z	.765	.765	0	%100
9	M15	X	1.326	1.326	0	%100
10	M15	Z	.765	.765	0	%100
11	M16	X	1.326	1.326	0	%100
12	M16	Z	.765	.765	0	%100
13	OVP	X	4.456	4.456	0	%100
14	OVP	Z	2.573	2.573	0	%100
15	M18	X	4.456	4.456	0	%100
16	M18	Z	2.573	2.573	0	%100
17	M19	X	.102	.102	0	%100
18	M19	Z	.059	.059	0	%100
19	M20	X	.102	.102	0	%100
20	M20	Z	.059	.059	0	%100
21	M21	X	.442	.442	0	%100
22	M21	Z	.255	.255	0	%100
23	M22	X	.442	.442	0	%100
24	M22	Z	.255	.255	0	%100
25	M23	X	.442	.442	0	%100
26	M23	Z	.255	.255	0	%100



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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
27	M24	X	.442	.442	0	%100
28	M24	Z	.255	.255	0	%100
29	M25	X	2.015	2.015	0	%100
30	M25	Z	1.163	1.163	0	%100
31	M26	X	2.015	2.015	0	%100
32	M26	Z	1.163	1.163	0	%100
33	M27	X	1.372	1.372	0	%100
34	M27	Z	.792	.792	0	%100
35	M28	X	1.372	1.372	0	%100
36	M28	Z	.792	.792	0	%100
37	M32	X	5.742	5.742	0	%100
38	M32	Z	3.315	3.315	0	%100
39	MP1A	X	6.718	6.718	0	%100
40	MP1A	Z	3.878	3.878	0	%100
41	M44	X	1.768	1.768	0	%100
42	M44	Z	1.021	1.021	0	%100
43	M45	X	1.768	1.768	0	%100
44	M45	Z	1.021	1.021	0	%100
45	M46	X	1.768	1.768	0	%100
46	M46	Z	1.021	1.021	0	%100
47	M47	X	1.768	1.768	0	%100
48	M47	Z	1.021	1.021	0	%100
49	MP2A	X	6.718	6.718	0	%100
50	MP2A	Z	3.878	3.878	0	%100
51	MP3A	X	6.718	6.718	0	%100
52	MP3A	Z	3.878	3.878	0	%100
53	MP4A	X	6.718	6.718	0	%100
54	MP4A	Z	3.878	3.878	0	%100
55	MP5A	X	6.718	6.718	0	%100
56	MP5A	Z	3.878	3.878	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	3.521	3.521	0	%100
2	FACE	Z	6.099	6.099	0	%100
3	M2	X	3.521	3.521	0	%100
4	M2	Z	6.099	6.099	0	%100
5	M13	X	.255	.255	0	%100
6	M13	Z	.442	.442	0	%100
7	M14	X	.255	.255	0	%100
8	M14	Z	.442	.442	0	%100
9	M15	X	.255	.255	0	%100
10	M15	Z	.442	.442	0	%100
11	M16	X	.255	.255	0	%100
12	M16	Z	.442	.442	0	%100
13	OVP	X	2.931	2.931	0	%100
14	OVP	Z	5.077	5.077	0	%100
15	M18	X	2.931	2.931	0	%100
16	M18	Z	5.077	5.077	0	%100
17	M19	X	.417	.417	0	%100
18	M19	Z	.723	.723	0	%100
19	M20	X	.417	.417	0	%100
20	M20	Z	.723	.723	0	%100
21	M21	X	.765	.765	0	%100
22	M21	Z	1.326	1.326	0	%100
23	M22	X	.765	.765	0	%100



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

	Member Label	Direction	Start Magnitude[l...]	End Magnitude[lb/ft,F,ksf]	Start Location[in,...]	End Location[in, %]
24	M22	Z	1.326	1.326	0	%100
25	M23	X	.765	.765	0	%100
26	M23	Z	1.326	1.326	0	%100
27	M24	X	.765	.765	0	%100
28	M24	Z	1.326	1.326	0	%100
29	M25	X	1.216	1.216	0	%100
30	M25	Z	2.106	2.106	0	%100
31	M26	X	1.216	1.216	0	%100
32	M26	Z	2.106	2.106	0	%100
33	M27	X	.845	.845	0	%100
34	M27	Z	1.464	1.464	0	%100
35	M28	X	.845	.845	0	%100
36	M28	Z	1.464	1.464	0	%100
37	M32	X	1.444	1.444	0	%100
38	M32	Z	2.502	2.502	0	%100
39	MP1A	X	3.878	3.878	0	%100
40	MP1A	Z	6.718	6.718	0	%100
41	M44	X	1.021	1.021	0	%100
42	M44	Z	1.768	1.768	0	%100
43	M45	X	1.021	1.021	0	%100
44	M45	Z	1.768	1.768	0	%100
45	M46	X	1.021	1.021	0	%100
46	M46	Z	1.768	1.768	0	%100
47	M47	X	1.021	1.021	0	%100
48	M47	Z	1.768	1.768	0	%100
49	MP2A	X	3.878	3.878	0	%100
50	MP2A	Z	6.718	6.718	0	%100
51	MP3A	X	3.878	3.878	0	%100
52	MP3A	Z	6.718	6.718	0	%100
53	MP4A	X	3.878	3.878	0	%100
54	MP4A	Z	6.718	6.718	0	%100
55	MP5A	X	3.878	3.878	0	%100
56	MP5A	Z	6.718	6.718	0	%100

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

	Member Label	Direction	Start Magnitude[l...]	End Magnitude[lb/ft,F,ksf]	Start Location[in,...]	End Location[in, %]
1	FACE	X	0	0	0	%100
2	FACE	Z	9.39	9.39	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	9.39	9.39	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	0	0	0	%100
14	OVP	Z	3.707	3.707	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	3.707	3.707	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	3.707	3.707	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	3.707	3.707	0	%100



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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in....	End Location[in, %]
21	M21	X	0	0	0	%100
22	M21	Z	2.041	2.041	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	2.041	2.041	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	2.041	2.041	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	2.041	2.041	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	2.114	2.114	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	2.114	2.114	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	2.114	2.114	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	2.114	2.114	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	.137	.137	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	7.757	7.757	0	%100
41	M44	X	0	0	0	%100
42	M44	Z	2.041	2.041	0	%100
43	M45	X	0	0	0	%100
44	M45	Z	2.041	2.041	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	2.041	2.041	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	2.041	2.041	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	7.757	7.757	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	7.757	7.757	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	7.757	7.757	0	%100
55	MP5A	X	0	0	0	%100
56	MP5A	Z	7.757	7.757	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in....	End Location[in, %]
1	FACE	X	-3.521	-3.521	0	%100
2	FACE	Z	6.099	6.099	0	%100
3	M2	X	-3.521	-3.521	0	%100
4	M2	Z	6.099	6.099	0	%100
5	M13	X	-.255	-.255	0	%100
6	M13	Z	.442	.442	0	%100
7	M14	X	-.255	-.255	0	%100
8	M14	Z	.442	.442	0	%100
9	M15	X	-.255	-.255	0	%100
10	M15	Z	.442	.442	0	%100
11	M16	X	-.255	-.255	0	%100
12	M16	Z	.442	.442	0	%100
13	OVP	X	-.417	-.417	0	%100
14	OVP	Z	.723	.723	0	%100
15	M18	X	-.417	-.417	0	%100
16	M18	Z	.723	.723	0	%100
17	M19	X	-2.931	-2.931	0	%100



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

	Member Label	Direction	Start Magnitude[...]	End Magnitude[lb/ft.F,ksf]	Start Location[in,...]	End Location[in,%]
18	M19	Z	5.077	5.077	0	%100
19	M20	X	-2.931	-2.931	0	%100
20	M20	Z	5.077	5.077	0	%100
21	M21	X	-.765	-.765	0	%100
22	M21	Z	1.326	1.326	0	%100
23	M22	X	-.765	-.765	0	%100
24	M22	Z	1.326	1.326	0	%100
25	M23	X	-.765	-.765	0	%100
26	M23	Z	1.326	1.326	0	%100
27	M24	X	-.765	-.765	0	%100
28	M24	Z	1.326	1.326	0	%100
29	M25	X	-.845	-.845	0	%100
30	M25	Z	1.464	1.464	0	%100
31	M26	X	-.845	-.845	0	%100
32	M26	Z	1.464	1.464	0	%100
33	M27	X	-1.216	-1.216	0	%100
34	M27	Z	2.106	2.106	0	%100
35	M28	X	-1.216	-1.216	0	%100
36	M28	Z	2.106	2.106	0	%100
37	M32	X	-.564	-.564	0	%100
38	M32	Z	.976	.976	0	%100
39	MP1A	X	-3.878	-3.878	0	%100
40	MP1A	Z	6.718	6.718	0	%100
41	M44	X	-1.021	-1.021	0	%100
42	M44	Z	1.768	1.768	0	%100
43	M45	X	-1.021	-1.021	0	%100
44	M45	Z	1.768	1.768	0	%100
45	M46	X	-1.021	-1.021	0	%100
46	M46	Z	1.768	1.768	0	%100
47	M47	X	-1.021	-1.021	0	%100
48	M47	Z	1.768	1.768	0	%100
49	MP2A	X	-3.878	-3.878	0	%100
50	MP2A	Z	6.718	6.718	0	%100
51	MP3A	X	-3.878	-3.878	0	%100
52	MP3A	Z	6.718	6.718	0	%100
53	MP4A	X	-3.878	-3.878	0	%100
54	MP4A	Z	6.718	6.718	0	%100
55	MP5A	X	-3.878	-3.878	0	%100
56	MP5A	Z	6.718	6.718	0	%100

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

	Member Label	Direction	Start Magnitude[...]	End Magnitude[lb/ft.F,ksf]	Start Location[in,...]	End Location[in,%]
1	FACE	X	-2.033	-2.033	0	%100
2	FACE	Z	1.174	1.174	0	%100
3	M2	X	-2.033	-2.033	0	%100
4	M2	Z	1.174	1.174	0	%100
5	M13	X	-1.326	-1.326	0	%100
6	M13	Z	.765	.765	0	%100
7	M14	X	-1.326	-1.326	0	%100
8	M14	Z	.765	.765	0	%100
9	M15	X	-1.326	-1.326	0	%100
10	M15	Z	.765	.765	0	%100
11	M16	X	-1.326	-1.326	0	%100
12	M16	Z	.765	.765	0	%100
13	OVP	X	-.102	-.102	0	%100
14	OVP	Z	.059	.059	0	%100



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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
15	M18	X	-.102	-.102	0	%100
16	M18	Z	.059	.059	0	%100
17	M19	X	-4.456	-4.456	0	%100
18	M19	Z	2.573	2.573	0	%100
19	M20	X	-4.456	-4.456	0	%100
20	M20	Z	2.573	2.573	0	%100
21	M21	X	-.442	-.442	0	%100
22	M21	Z	.255	.255	0	%100
23	M22	X	-.442	-.442	0	%100
24	M22	Z	.255	.255	0	%100
25	M23	X	-.442	-.442	0	%100
26	M23	Z	.255	.255	0	%100
27	M24	X	-.442	-.442	0	%100
28	M24	Z	.255	.255	0	%100
29	M25	X	-1.372	-1.372	0	%100
30	M25	Z	.792	.792	0	%100
31	M26	X	-1.372	-1.372	0	%100
32	M26	Z	.792	.792	0	%100
33	M27	X	-2.015	-2.015	0	%100
34	M27	Z	1.163	1.163	0	%100
35	M28	X	-2.015	-2.015	0	%100
36	M28	Z	1.163	1.163	0	%100
37	M32	X	-4.217	-4.217	0	%100
38	M32	Z	2.435	2.435	0	%100
39	MP1A	X	-6.718	-6.718	0	%100
40	MP1A	Z	3.878	3.878	0	%100
41	M44	X	-1.768	-1.768	0	%100
42	M44	Z	1.021	1.021	0	%100
43	M45	X	-1.768	-1.768	0	%100
44	M45	Z	1.021	1.021	0	%100
45	M46	X	-1.768	-1.768	0	%100
46	M46	Z	1.021	1.021	0	%100
47	M47	X	-1.768	-1.768	0	%100
48	M47	Z	1.021	1.021	0	%100
49	MP2A	X	-6.718	-6.718	0	%100
50	MP2A	Z	3.878	3.878	0	%100
51	MP3A	X	-6.718	-6.718	0	%100
52	MP3A	Z	3.878	3.878	0	%100
53	MP4A	X	-6.718	-6.718	0	%100
54	MP4A	Z	3.878	3.878	0	%100
55	MP5A	X	-6.718	-6.718	0	%100
56	MP5A	Z	3.878	3.878	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-2.041	-2.041	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-2.041	-2.041	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-2.041	-2.041	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-2.041	-2.041	0	%100



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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[in,ft]	End Location[in,ft]
12	M16	Z	0	0	0	%100
13	OVP	X	-2.273	-2.273	0	%100
14	OVP	Z	0	0	0	%100
15	M18	X	-2.273	-2.273	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-2.273	-2.273	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-2.273	-2.273	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-1.903	-1.903	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-1.903	-1.903	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-1.903	-1.903	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-1.903	-1.903	0	%100
36	M28	Z	0	0	0	%100
37	M32	X	-7.621	-7.621	0	%100
38	M32	Z	0	0	0	%100
39	MP1A	X	-7.757	-7.757	0	%100
40	MP1A	Z	0	0	0	%100
41	M44	X	-2.041	-2.041	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	-2.041	-2.041	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	-2.041	-2.041	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	-2.041	-2.041	0	%100
48	M47	Z	0	0	0	%100
49	MP2A	X	-7.757	-7.757	0	%100
50	MP2A	Z	0	0	0	%100
51	MP3A	X	-7.757	-7.757	0	%100
52	MP3A	Z	0	0	0	%100
53	MP4A	X	-7.757	-7.757	0	%100
54	MP4A	Z	0	0	0	%100
55	MP5A	X	-7.757	-7.757	0	%100
56	MP5A	Z	0	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[in,ft]	End Location[in,ft]
1	FACE	X	-2.033	-2.033	0	%100
2	FACE	Z	-1.174	-1.174	0	%100
3	M2	X	-2.033	-2.033	0	%100
4	M2	Z	-1.174	-1.174	0	%100
5	M13	X	-1.326	-1.326	0	%100
6	M13	Z	-.765	-.765	0	%100
7	M14	X	-1.326	-1.326	0	%100
8	M14	Z	-.765	-.765	0	%100



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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
9	M15	X	-1.326	-1.326	0	%100
10	M15	Z	-.765	-.765	0	%100
11	M16	X	-1.326	-1.326	0	%100
12	M16	Z	-.765	-.765	0	%100
13	OVP	X	-4.456	-4.456	0	%100
14	OVP	Z	-2.573	-2.573	0	%100
15	M18	X	-4.456	-4.456	0	%100
16	M18	Z	-2.573	-2.573	0	%100
17	M19	X	-.102	-.102	0	%100
18	M19	Z	-.059	-.059	0	%100
19	M20	X	-.102	-.102	0	%100
20	M20	Z	-.059	-.059	0	%100
21	M21	X	-.442	-.442	0	%100
22	M21	Z	-.255	-.255	0	%100
23	M22	X	-.442	-.442	0	%100
24	M22	Z	-.255	-.255	0	%100
25	M23	X	-.442	-.442	0	%100
26	M23	Z	-.255	-.255	0	%100
27	M24	X	-.442	-.442	0	%100
28	M24	Z	-.255	-.255	0	%100
29	M25	X	-2.015	-2.015	0	%100
30	M25	Z	-1.163	-1.163	0	%100
31	M26	X	-2.015	-2.015	0	%100
32	M26	Z	-1.163	-1.163	0	%100
33	M27	X	-1.372	-1.372	0	%100
34	M27	Z	-.792	-.792	0	%100
35	M28	X	-1.372	-1.372	0	%100
36	M28	Z	-.792	-.792	0	%100
37	M32	X	-5.742	-5.742	0	%100
38	M32	Z	-3.315	-3.315	0	%100
39	MP1A	X	-6.718	-6.718	0	%100
40	MP1A	Z	-3.878	-3.878	0	%100
41	M44	X	-1.768	-1.768	0	%100
42	M44	Z	-1.021	-1.021	0	%100
43	M45	X	-1.768	-1.768	0	%100
44	M45	Z	-1.021	-1.021	0	%100
45	M46	X	-1.768	-1.768	0	%100
46	M46	Z	-1.021	-1.021	0	%100
47	M47	X	-1.768	-1.768	0	%100
48	M47	Z	-1.021	-1.021	0	%100
49	MP2A	X	-6.718	-6.718	0	%100
50	MP2A	Z	-3.878	-3.878	0	%100
51	MP3A	X	-6.718	-6.718	0	%100
52	MP3A	Z	-3.878	-3.878	0	%100
53	MP4A	X	-6.718	-6.718	0	%100
54	MP4A	Z	-3.878	-3.878	0	%100
55	MP5A	X	-6.718	-6.718	0	%100
56	MP5A	Z	-3.878	-3.878	0	%100

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	-3.521	-3.521	0	%100
2	FACE	Z	-6.099	-6.099	0	%100
3	M2	X	-3.521	-3.521	0	%100
4	M2	Z	-6.099	-6.099	0	%100
5	M13	X	-.255	-.255	0	%100



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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[in,ft]	End Location[in,ft]
6	M13	Z	-442	-442	0	%100
7	M14	X	-255	-255	0	%100
8	M14	Z	-442	-442	0	%100
9	M15	X	-255	-255	0	%100
10	M15	Z	-442	-442	0	%100
11	M16	X	-255	-255	0	%100
12	M16	Z	-442	-442	0	%100
13	OVP	X	-2.931	-2.931	0	%100
14	OVP	Z	-5.077	-5.077	0	%100
15	M18	X	-2.931	-2.931	0	%100
16	M18	Z	-5.077	-5.077	0	%100
17	M19	X	-417	-417	0	%100
18	M19	Z	-723	-723	0	%100
19	M20	X	-417	-417	0	%100
20	M20	Z	-723	-723	0	%100
21	M21	X	-765	-765	0	%100
22	M21	Z	-1.326	-1.326	0	%100
23	M22	X	-765	-765	0	%100
24	M22	Z	-1.326	-1.326	0	%100
25	M23	X	-765	-765	0	%100
26	M23	Z	-1.326	-1.326	0	%100
27	M24	X	-765	-765	0	%100
28	M24	Z	-1.326	-1.326	0	%100
29	M25	X	-1.216	-1.216	0	%100
30	M25	Z	-2.106	-2.106	0	%100
31	M26	X	-1.216	-1.216	0	%100
32	M26	Z	-2.106	-2.106	0	%100
33	M27	X	-845	-845	0	%100
34	M27	Z	-1.464	-1.464	0	%100
35	M28	X	-845	-845	0	%100
36	M28	Z	-1.464	-1.464	0	%100
37	M32	X	-1.444	-1.444	0	%100
38	M32	Z	-2.502	-2.502	0	%100
39	MP1A	X	-3.878	-3.878	0	%100
40	MP1A	Z	-6.718	-6.718	0	%100
41	M44	X	-1.021	-1.021	0	%100
42	M44	Z	-1.768	-1.768	0	%100
43	M45	X	-1.021	-1.021	0	%100
44	M45	Z	-1.768	-1.768	0	%100
45	M46	X	-1.021	-1.021	0	%100
46	M46	Z	-1.768	-1.768	0	%100
47	M47	X	-1.021	-1.021	0	%100
48	M47	Z	-1.768	-1.768	0	%100
49	MP2A	X	-3.878	-3.878	0	%100
50	MP2A	Z	-6.718	-6.718	0	%100
51	MP3A	X	-3.878	-3.878	0	%100
52	MP3A	Z	-6.718	-6.718	0	%100
53	MP4A	X	-3.878	-3.878	0	%100
54	MP4A	Z	-6.718	-6.718	0	%100
55	MP5A	X	-3.878	-3.878	0	%100
56	MP5A	Z	-6.718	-6.718	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[in,ft]	End Location[in,ft]
1	FACE	X	0	0	0	%100
2	FACE	Z	-2.871	-2.871	0	%100



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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[in,...]	End Location[in, %]
3	M2	X	0	0	%100
4	M2	Z	-2.871	-2.871	%100
5	M13	X	0	0	%100
6	M13	Z	0	0	%100
7	M14	X	0	0	%100
8	M14	Z	0	0	%100
9	M15	X	0	0	%100
10	M15	Z	0	0	%100
11	M16	X	0	0	%100
12	M16	Z	0	0	%100
13	OVP	X	0	0	%100
14	OVP	Z	-1.247	-1.247	%100
15	M18	X	0	0	%100
16	M18	Z	-1.247	-1.247	%100
17	M19	X	0	0	%100
18	M19	Z	-1.247	-1.247	%100
19	M20	X	0	0	%100
20	M20	Z	-1.247	-1.247	%100
21	M21	X	0	0	%100
22	M21	Z	-1.095	-1.095	%100
23	M22	X	0	0	%100
24	M22	Z	-1.095	-1.095	%100
25	M23	X	0	0	%100
26	M23	Z	-1.095	-1.095	%100
27	M24	X	0	0	%100
28	M24	Z	-1.095	-1.095	%100
29	M25	X	0	0	%100
30	M25	Z	-1.395	-1.395	%100
31	M26	X	0	0	%100
32	M26	Z	-1.395	-1.395	%100
33	M27	X	0	0	%100
34	M27	Z	-1.395	-1.395	%100
35	M28	X	0	0	%100
36	M28	Z	-1.395	-1.395	%100
37	M32	X	0	0	%100
38	M32	Z	-.046	-.046	%100
39	MP1A	X	0	0	%100
40	MP1A	Z	-2.593	-2.593	%100
41	M44	X	0	0	%100
42	M44	Z	-1.443	-1.443	%100
43	M45	X	0	0	%100
44	M45	Z	-1.443	-1.443	%100
45	M46	X	0	0	%100
46	M46	Z	-1.443	-1.443	%100
47	M47	X	0	0	%100
48	M47	Z	-1.443	-1.443	%100
49	MP2A	X	0	0	%100
50	MP2A	Z	-2.593	-2.593	%100
51	MP3A	X	0	0	%100
52	MP3A	Z	-2.593	-2.593	%100
53	MP4A	X	0	0	%100
54	MP4A	Z	-2.593	-2.593	%100
55	MP5A	X	0	0	%100
56	MP5A	Z	-2.593	-2.593	%100

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



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 Designer :
 Job Number :
 Model Name : Risa Model

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	FACE	X	.622	.622	0	%100
2	FACE	Z	-.359	-.359	0	%100
3	M2	X	.622	.622	0	%100
4	M2	Z	-.359	-.359	0	%100
5	M13	X	.707	.707	0	%100
6	M13	Z	-.408	-.408	0	%100
7	M14	X	.707	.707	0	%100
8	M14	Z	-.408	-.408	0	%100
9	M15	X	.707	.707	0	%100
10	M15	Z	-.408	-.408	0	%100
11	M16	X	.707	.707	0	%100
12	M16	Z	-.408	-.408	0	%100
13	OVP	X	.034	.034	0	%100
14	OVP	Z	-.02	-.02	0	%100
15	M18	X	.034	.034	0	%100
16	M18	Z	-.02	-.02	0	%100
17	M19	X	1.499	1.499	0	%100
18	M19	Z	-.866	-.866	0	%100
19	M20	X	1.499	1.499	0	%100
20	M20	Z	-.866	-.866	0	%100
21	M21	X	.237	.237	0	%100
22	M21	Z	-.137	-.137	0	%100
23	M22	X	.237	.237	0	%100
24	M22	Z	-.137	-.137	0	%100
25	M23	X	.237	.237	0	%100
26	M23	Z	-.137	-.137	0	%100
27	M24	X	.237	.237	0	%100
28	M24	Z	-.137	-.137	0	%100
29	M25	X	.905	.905	0	%100
30	M25	Z	-.523	-.523	0	%100
31	M26	X	.905	.905	0	%100
32	M26	Z	-.523	-.523	0	%100
33	M27	X	1.329	1.329	0	%100
34	M27	Z	-.767	-.767	0	%100
35	M28	X	1.329	1.329	0	%100
36	M28	Z	-.767	-.767	0	%100
37	M32	X	1.409	1.409	0	%100
38	M32	Z	-.814	-.814	0	%100
39	MP1A	X	2.245	2.245	0	%100
40	MP1A	Z	-1.296	-1.296	0	%100
41	M44	X	1.249	1.249	0	%100
42	M44	Z	-.721	-.721	0	%100
43	M45	X	1.249	1.249	0	%100
44	M45	Z	-.721	-.721	0	%100
45	M46	X	1.249	1.249	0	%100
46	M46	Z	-.721	-.721	0	%100
47	M47	X	1.249	1.249	0	%100
48	M47	Z	-.721	-.721	0	%100
49	MP2A	X	2.245	2.245	0	%100
50	MP2A	Z	-1.296	-1.296	0	%100
51	MP3A	X	2.245	2.245	0	%100
52	MP3A	Z	-1.296	-1.296	0	%100
53	MP4A	X	2.245	2.245	0	%100
54	MP4A	Z	-1.296	-1.296	0	%100
55	MP5A	X	2.245	2.245	0	%100
56	MP5A	Z	-1.296	-1.296	0	%100



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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	1.088	1.088	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	1.088	1.088	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	1.088	1.088	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	1.088	1.088	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	.765	.765	0	%100
14	OVP	Z	0	0	0	%100
15	M18	X	.765	.765	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	.765	.765	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.765	.765	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	1.255	1.255	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	1.255	1.255	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	1.255	1.255	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	1.255	1.255	0	%100
36	M28	Z	0	0	0	%100
37	M32	X	2.547	2.547	0	%100
38	M32	Z	0	0	0	%100
39	MP1A	X	2.593	2.593	0	%100
40	MP1A	Z	0	0	0	%100
41	M44	X	1.443	1.443	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	1.443	1.443	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	1.443	1.443	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	1.443	1.443	0	%100
48	M47	Z	0	0	0	%100
49	MP2A	X	2.593	2.593	0	%100
50	MP2A	Z	0	0	0	%100
51	MP3A	X	2.593	2.593	0	%100
52	MP3A	Z	0	0	0	%100
53	MP4A	X	2.593	2.593	0	%100
54	MP4A	Z	0	0	0	%100
55	MP5A	X	2.593	2.593	0	%100
56	MP5A	Z	0	0	0	%100



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 Model Name : Risa Model

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	.622	.622	0	%100
2	FACE	Z	.359	.359	0	%100
3	M2	X	.622	.622	0	%100
4	M2	Z	.359	.359	0	%100
5	M13	X	.707	.707	0	%100
6	M13	Z	.408	.408	0	%100
7	M14	X	.707	.707	0	%100
8	M14	Z	.408	.408	0	%100
9	M15	X	.707	.707	0	%100
10	M15	Z	.408	.408	0	%100
11	M16	X	.707	.707	0	%100
12	M16	Z	.408	.408	0	%100
13	OVP	X	1.499	1.499	0	%100
14	OVP	Z	.866	.866	0	%100
15	M18	X	1.499	1.499	0	%100
16	M18	Z	.866	.866	0	%100
17	M19	X	.034	.034	0	%100
18	M19	Z	.02	.02	0	%100
19	M20	X	.034	.034	0	%100
20	M20	Z	.02	.02	0	%100
21	M21	X	.237	.237	0	%100
22	M21	Z	.137	.137	0	%100
23	M22	X	.237	.237	0	%100
24	M22	Z	.137	.137	0	%100
25	M23	X	.237	.237	0	%100
26	M23	Z	.137	.137	0	%100
27	M24	X	.237	.237	0	%100
28	M24	Z	.137	.137	0	%100
29	M25	X	1.329	1.329	0	%100
30	M25	Z	.767	.767	0	%100
31	M26	X	1.329	1.329	0	%100
32	M26	Z	.767	.767	0	%100
33	M27	X	.905	.905	0	%100
34	M27	Z	.523	.523	0	%100
35	M28	X	.905	.905	0	%100
36	M28	Z	.523	.523	0	%100
37	M32	X	1.919	1.919	0	%100
38	M32	Z	1.108	1.108	0	%100
39	MP1A	X	2.245	2.245	0	%100
40	MP1A	Z	1.296	1.296	0	%100
41	M44	X	1.249	1.249	0	%100
42	M44	Z	.721	.721	0	%100
43	M45	X	1.249	1.249	0	%100
44	M45	Z	.721	.721	0	%100
45	M46	X	1.249	1.249	0	%100
46	M46	Z	.721	.721	0	%100
47	M47	X	1.249	1.249	0	%100
48	M47	Z	.721	.721	0	%100
49	MP2A	X	2.245	2.245	0	%100
50	MP2A	Z	1.296	1.296	0	%100
51	MP3A	X	2.245	2.245	0	%100
52	MP3A	Z	1.296	1.296	0	%100
53	MP4A	X	2.245	2.245	0	%100
54	MP4A	Z	1.296	1.296	0	%100
55	MP5A	X	2.245	2.245	0	%100
56	MP5A	Z	1.296	1.296	0	%100



Company :
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 Model Name : Risa Model

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

Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in...	End Location[in,%]
1	FACE	X	1.077	1.077	0 %100
2	FACE	Z	1.865	1.865	0 %100
3	M2	X	1.077	1.077	0 %100
4	M2	Z	1.865	1.865	0 %100
5	M13	X	.136	.136	0 %100
6	M13	Z	.236	.236	0 %100
7	M14	X	.136	.136	0 %100
8	M14	Z	.236	.236	0 %100
9	M15	X	.136	.136	0 %100
10	M15	Z	.236	.236	0 %100
11	M16	X	.136	.136	0 %100
12	M16	Z	.236	.236	0 %100
13	OVP	X	.986	.986	0 %100
14	OVP	Z	1.708	1.708	0 %100
15	M18	X	.986	.986	0 %100
16	M18	Z	1.708	1.708	0 %100
17	M19	X	.14	.14	0 %100
18	M19	Z	.243	.243	0 %100
19	M20	X	.14	.14	0 %100
20	M20	Z	.243	.243	0 %100
21	M21	X	.411	.411	0 %100
22	M21	Z	.711	.711	0 %100
23	M22	X	.411	.411	0 %100
24	M22	Z	.711	.711	0 %100
25	M23	X	.411	.411	0 %100
26	M23	Z	.711	.711	0 %100
27	M24	X	.411	.411	0 %100
28	M24	Z	.711	.711	0 %100
29	M25	X	.802	.802	0 %100
30	M25	Z	1.389	1.389	0 %100
31	M26	X	.802	.802	0 %100
32	M26	Z	1.389	1.389	0 %100
33	M27	X	.558	.558	0 %100
34	M27	Z	.966	.966	0 %100
35	M28	X	.558	.558	0 %100
36	M28	Z	.966	.966	0 %100
37	M32	X	.483	.483	0 %100
38	M32	Z	.836	.836	0 %100
39	MP1A	X	1.296	1.296	0 %100
40	MP1A	Z	2.245	2.245	0 %100
41	M44	X	.721	.721	0 %100
42	M44	Z	1.249	1.249	0 %100
43	M45	X	.721	.721	0 %100
44	M45	Z	1.249	1.249	0 %100
45	M46	X	.721	.721	0 %100
46	M46	Z	1.249	1.249	0 %100
47	M47	X	.721	.721	0 %100
48	M47	Z	1.249	1.249	0 %100
49	MP2A	X	1.296	1.296	0 %100
50	MP2A	Z	2.245	2.245	0 %100
51	MP3A	X	1.296	1.296	0 %100
52	MP3A	Z	2.245	2.245	0 %100
53	MP4A	X	1.296	1.296	0 %100
54	MP4A	Z	2.245	2.245	0 %100
55	MP5A	X	1.296	1.296	0 %100
56	MP5A	Z	2.245	2.245	0 %100



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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	0	0	0	%100
2	FACE	Z	2.871	2.871	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.871	2.871	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	0	0	0	%100
14	OVP	Z	1.247	1.247	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	1.247	1.247	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	1.247	1.247	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	1.247	1.247	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	1.095	1.095	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	1.095	1.095	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	1.095	1.095	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	1.095	1.095	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	1.395	1.395	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	1.395	1.395	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	1.395	1.395	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	1.395	1.395	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	.046	.046	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	2.593	2.593	0	%100
41	M44	X	0	0	0	%100
42	M44	Z	1.443	1.443	0	%100
43	M45	X	0	0	0	%100
44	M45	Z	1.443	1.443	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	1.443	1.443	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	1.443	1.443	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	2.593	2.593	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	2.593	2.593	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	2.593	2.593	0	%100
55	MP5A	X	0	0	0	%100
56	MP5A	Z	2.593	2.593	0	%100



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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	FACE	X	-1.077	-1.077	0	%100
2	FACE	Z	1.865	1.865	0	%100
3	M2	X	-1.077	-1.077	0	%100
4	M2	Z	1.865	1.865	0	%100
5	M13	X	-.136	-.136	0	%100
6	M13	Z	.236	.236	0	%100
7	M14	X	-.136	-.136	0	%100
8	M14	Z	.236	.236	0	%100
9	M15	X	-.136	-.136	0	%100
10	M15	Z	.236	.236	0	%100
11	M16	X	-.136	-.136	0	%100
12	M16	Z	.236	.236	0	%100
13	OVP	X	-.14	-.14	0	%100
14	OVP	Z	.243	.243	0	%100
15	M18	X	-.14	-.14	0	%100
16	M18	Z	.243	.243	0	%100
17	M19	X	-.986	-.986	0	%100
18	M19	Z	1.708	1.708	0	%100
19	M20	X	-.986	-.986	0	%100
20	M20	Z	1.708	1.708	0	%100
21	M21	X	-.411	-.411	0	%100
22	M21	Z	.711	.711	0	%100
23	M22	X	-.411	-.411	0	%100
24	M22	Z	.711	.711	0	%100
25	M23	X	-.411	-.411	0	%100
26	M23	Z	.711	.711	0	%100
27	M24	X	-.411	-.411	0	%100
28	M24	Z	.711	.711	0	%100
29	M25	X	-.558	-.558	0	%100
30	M25	Z	.966	.966	0	%100
31	M26	X	-.558	-.558	0	%100
32	M26	Z	.966	.966	0	%100
33	M27	X	-.802	-.802	0	%100
34	M27	Z	1.389	1.389	0	%100
35	M28	X	-.802	-.802	0	%100
36	M28	Z	1.389	1.389	0	%100
37	M32	X	-.188	-.188	0	%100
38	M32	Z	.326	.326	0	%100
39	MP1A	X	-1.296	-1.296	0	%100
40	MP1A	Z	2.245	2.245	0	%100
41	M44	X	-.721	-.721	0	%100
42	M44	Z	1.249	1.249	0	%100
43	M45	X	-.721	-.721	0	%100
44	M45	Z	1.249	1.249	0	%100
45	M46	X	-.721	-.721	0	%100
46	M46	Z	1.249	1.249	0	%100
47	M47	X	-.721	-.721	0	%100
48	M47	Z	1.249	1.249	0	%100
49	MP2A	X	-1.296	-1.296	0	%100
50	MP2A	Z	2.245	2.245	0	%100
51	MP3A	X	-1.296	-1.296	0	%100
52	MP3A	Z	2.245	2.245	0	%100
53	MP4A	X	-1.296	-1.296	0	%100
54	MP4A	Z	2.245	2.245	0	%100
55	MP5A	X	-1.296	-1.296	0	%100
56	MP5A	Z	2.245	2.245	0	%100



Company :
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 Job Number :
 Model Name : Risa Model

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

Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	-.622	-.622	0 %100
2	FACE	Z	.359	.359	0 %100
3	M2	X	-.622	-.622	0 %100
4	M2	Z	.359	.359	0 %100
5	M13	X	-.707	-.707	0 %100
6	M13	Z	.408	.408	0 %100
7	M14	X	-.707	-.707	0 %100
8	M14	Z	.408	.408	0 %100
9	M15	X	-.707	-.707	0 %100
10	M15	Z	.408	.408	0 %100
11	M16	X	-.707	-.707	0 %100
12	M16	Z	.408	.408	0 %100
13	OVP	X	-.034	-.034	0 %100
14	OVP	Z	.02	.02	0 %100
15	M18	X	-.034	-.034	0 %100
16	M18	Z	.02	.02	0 %100
17	M19	X	-1.499	-1.499	0 %100
18	M19	Z	.866	.866	0 %100
19	M20	X	-1.499	-1.499	0 %100
20	M20	Z	.866	.866	0 %100
21	M21	X	-.237	-.237	0 %100
22	M21	Z	.137	.137	0 %100
23	M22	X	-.237	-.237	0 %100
24	M22	Z	.137	.137	0 %100
25	M23	X	-.237	-.237	0 %100
26	M23	Z	.137	.137	0 %100
27	M24	X	-.237	-.237	0 %100
28	M24	Z	.137	.137	0 %100
29	M25	X	-.905	-.905	0 %100
30	M25	Z	.523	.523	0 %100
31	M26	X	-.905	-.905	0 %100
32	M26	Z	.523	.523	0 %100
33	M27	X	-1.329	-1.329	0 %100
34	M27	Z	.767	.767	0 %100
35	M28	X	-1.329	-1.329	0 %100
36	M28	Z	.767	.767	0 %100
37	M32	X	-1.409	-1.409	0 %100
38	M32	Z	.814	.814	0 %100
39	MP1A	X	-2.245	-2.245	0 %100
40	MP1A	Z	1.296	1.296	0 %100
41	M44	X	-1.249	-1.249	0 %100
42	M44	Z	.721	.721	0 %100
43	M45	X	-1.249	-1.249	0 %100
44	M45	Z	.721	.721	0 %100
45	M46	X	-1.249	-1.249	0 %100
46	M46	Z	.721	.721	0 %100
47	M47	X	-1.249	-1.249	0 %100
48	M47	Z	.721	.721	0 %100
49	MP2A	X	-2.245	-2.245	0 %100
50	MP2A	Z	1.296	1.296	0 %100
51	MP3A	X	-2.245	-2.245	0 %100
52	MP3A	Z	1.296	1.296	0 %100
53	MP4A	X	-2.245	-2.245	0 %100
54	MP4A	Z	1.296	1.296	0 %100
55	MP5A	X	-2.245	-2.245	0 %100
56	MP5A	Z	1.296	1.296	0 %100



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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-1.088	-1.088	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-1.088	-1.088	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-1.088	-1.088	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-1.088	-1.088	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	-.765	-.765	0	%100
14	OVP	Z	0	0	0	%100
15	M18	X	-.765	-.765	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-.765	-.765	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-.765	-.765	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-1.255	-1.255	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-1.255	-1.255	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-1.255	-1.255	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-1.255	-1.255	0	%100
36	M28	Z	0	0	0	%100
37	M32	X	-2.547	-2.547	0	%100
38	M32	Z	0	0	0	%100
39	MP1A	X	-2.593	-2.593	0	%100
40	MP1A	Z	0	0	0	%100
41	M44	X	-1.443	-1.443	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	-1.443	-1.443	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	-1.443	-1.443	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	-1.443	-1.443	0	%100
48	M47	Z	0	0	0	%100
49	MP2A	X	-2.593	-2.593	0	%100
50	MP2A	Z	0	0	0	%100
51	MP3A	X	-2.593	-2.593	0	%100
52	MP3A	Z	0	0	0	%100
53	MP4A	X	-2.593	-2.593	0	%100
54	MP4A	Z	0	0	0	%100
55	MP5A	X	-2.593	-2.593	0	%100
56	MP5A	Z	0	0	0	%100



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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[in,...]	End Location[in,...]
1	FACE	X	-622	-622	0 %100
2	FACE	Z	-359	-359	0 %100
3	M2	X	-622	-622	0 %100
4	M2	Z	-359	-359	0 %100
5	M13	X	-707	-707	0 %100
6	M13	Z	-408	-408	0 %100
7	M14	X	-707	-707	0 %100
8	M14	Z	-408	-408	0 %100
9	M15	X	-707	-707	0 %100
10	M15	Z	-408	-408	0 %100
11	M16	X	-707	-707	0 %100
12	M16	Z	-408	-408	0 %100
13	OVP	X	-1.499	-1.499	0 %100
14	OVP	Z	-866	-866	0 %100
15	M18	X	-1.499	-1.499	0 %100
16	M18	Z	-866	-866	0 %100
17	M19	X	-0.34	-0.34	0 %100
18	M19	Z	-0.2	-0.2	0 %100
19	M20	X	-0.34	-0.34	0 %100
20	M20	Z	-0.2	-0.2	0 %100
21	M21	X	-0.237	-0.237	0 %100
22	M21	Z	-0.137	-0.137	0 %100
23	M22	X	-0.237	-0.237	0 %100
24	M22	Z	-0.137	-0.137	0 %100
25	M23	X	-0.237	-0.237	0 %100
26	M23	Z	-0.137	-0.137	0 %100
27	M24	X	-0.237	-0.237	0 %100
28	M24	Z	-0.137	-0.137	0 %100
29	M25	X	-1.329	-1.329	0 %100
30	M25	Z	-0.767	-0.767	0 %100
31	M26	X	-1.329	-1.329	0 %100
32	M26	Z	-0.767	-0.767	0 %100
33	M27	X	-0.905	-0.905	0 %100
34	M27	Z	-0.523	-0.523	0 %100
35	M28	X	-0.905	-0.905	0 %100
36	M28	Z	-0.523	-0.523	0 %100
37	M32	X	-1.919	-1.919	0 %100
38	M32	Z	-1.108	-1.108	0 %100
39	MP1A	X	-2.245	-2.245	0 %100
40	MP1A	Z	-1.296	-1.296	0 %100
41	M44	X	-1.249	-1.249	0 %100
42	M44	Z	-0.721	-0.721	0 %100
43	M45	X	-1.249	-1.249	0 %100
44	M45	Z	-0.721	-0.721	0 %100
45	M46	X	-1.249	-1.249	0 %100
46	M46	Z	-0.721	-0.721	0 %100
47	M47	X	-1.249	-1.249	0 %100
48	M47	Z	-0.721	-0.721	0 %100
49	MP2A	X	-2.245	-2.245	0 %100
50	MP2A	Z	-1.296	-1.296	0 %100
51	MP3A	X	-2.245	-2.245	0 %100
52	MP3A	Z	-1.296	-1.296	0 %100
53	MP4A	X	-2.245	-2.245	0 %100
54	MP4A	Z	-1.296	-1.296	0 %100
55	MP5A	X	-2.245	-2.245	0 %100
56	MP5A	Z	-1.296	-1.296	0 %100



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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in,%]
1	FACE	X	-1.077	-1.077	0	%100
2	FACE	Z	-1.865	-1.865	0	%100
3	M2	X	-1.077	-1.077	0	%100
4	M2	Z	-1.865	-1.865	0	%100
5	M13	X	-.136	-.136	0	%100
6	M13	Z	-.236	-.236	0	%100
7	M14	X	-.136	-.136	0	%100
8	M14	Z	-.236	-.236	0	%100
9	M15	X	-.136	-.136	0	%100
10	M15	Z	-.236	-.236	0	%100
11	M16	X	-.136	-.136	0	%100
12	M16	Z	-.236	-.236	0	%100
13	OVP	X	-.986	-.986	0	%100
14	OVP	Z	-1.708	-1.708	0	%100
15	M18	X	-.986	-.986	0	%100
16	M18	Z	-1.708	-1.708	0	%100
17	M19	X	-.14	-.14	0	%100
18	M19	Z	-.243	-.243	0	%100
19	M20	X	-.14	-.14	0	%100
20	M20	Z	-.243	-.243	0	%100
21	M21	X	-.411	-.411	0	%100
22	M21	Z	-.711	-.711	0	%100
23	M22	X	-.411	-.411	0	%100
24	M22	Z	-.711	-.711	0	%100
25	M23	X	-.411	-.411	0	%100
26	M23	Z	-.711	-.711	0	%100
27	M24	X	-.411	-.411	0	%100
28	M24	Z	-.711	-.711	0	%100
29	M25	X	-.802	-.802	0	%100
30	M25	Z	-1.389	-1.389	0	%100
31	M26	X	-.802	-.802	0	%100
32	M26	Z	-1.389	-1.389	0	%100
33	M27	X	-.558	-.558	0	%100
34	M27	Z	-.966	-.966	0	%100
35	M28	X	-.558	-.558	0	%100
36	M28	Z	-.966	-.966	0	%100
37	M32	X	-.483	-.483	0	%100
38	M32	Z	-.836	-.836	0	%100
39	MP1A	X	-1.296	-1.296	0	%100
40	MP1A	Z	-2.245	-2.245	0	%100
41	M44	X	-.721	-.721	0	%100
42	M44	Z	-1.249	-1.249	0	%100
43	M45	X	-.721	-.721	0	%100
44	M45	Z	-1.249	-1.249	0	%100
45	M46	X	-.721	-.721	0	%100
46	M46	Z	-1.249	-1.249	0	%100
47	M47	X	-.721	-.721	0	%100
48	M47	Z	-1.249	-1.249	0	%100
49	MP2A	X	-1.296	-1.296	0	%100
50	MP2A	Z	-2.245	-2.245	0	%100
51	MP3A	X	-1.296	-1.296	0	%100
52	MP3A	Z	-2.245	-2.245	0	%100
53	MP4A	X	-1.296	-1.296	0	%100
54	MP4A	Z	-2.245	-2.245	0	%100
55	MP5A	X	-1.296	-1.296	0	%100
56	MP5A	Z	-2.245	-2.245	0	%100



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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	0	0	0	%100
2	FACE	Z	-.577	-.577	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.577	-.577	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	0	0	0	%100
14	OVP	Z	-.228	-.228	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-.228	-.228	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-.228	-.228	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-.228	-.228	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-.125	-.125	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-.125	-.125	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-.125	-.125	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-.125	-.125	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-.13	-.13	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-.13	-.13	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-.13	-.13	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-.13	-.13	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	-.008	-.008	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	-.477	-.477	0	%100
41	M44	X	0	0	0	%100
42	M44	Z	-.125	-.125	0	%100
43	M45	X	0	0	0	%100
44	M45	Z	-.125	-.125	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-.125	-.125	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	-.125	-.125	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	-.477	-.477	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	-.477	-.477	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	-.477	-.477	0	%100
55	MP5A	X	0	0	0	%100
56	MP5A	Z	-.477	-.477	0	%100



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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	.216	.216	0	%100
2	FACE	Z	-.375	-.375	0	%100
3	M2	X	.216	.216	0	%100
4	M2	Z	-.375	-.375	0	%100
5	M13	X	.016	.016	0	%100
6	M13	Z	-.027	-.027	0	%100
7	M14	X	.016	.016	0	%100
8	M14	Z	-.027	-.027	0	%100
9	M15	X	.016	.016	0	%100
10	M15	Z	-.027	-.027	0	%100
11	M16	X	.016	.016	0	%100
12	M16	Z	-.027	-.027	0	%100
13	OVP	X	.026	.026	0	%100
14	OVP	Z	-.044	-.044	0	%100
15	M18	X	.026	.026	0	%100
16	M18	Z	-.044	-.044	0	%100
17	M19	X	.18	.18	0	%100
18	M19	Z	-.312	-.312	0	%100
19	M20	X	.18	.18	0	%100
20	M20	Z	-.312	-.312	0	%100
21	M21	X	.047	.047	0	%100
22	M21	Z	-.082	-.082	0	%100
23	M22	X	.047	.047	0	%100
24	M22	Z	-.082	-.082	0	%100
25	M23	X	.047	.047	0	%100
26	M23	Z	-.082	-.082	0	%100
27	M24	X	.047	.047	0	%100
28	M24	Z	-.082	-.082	0	%100
29	M25	X	.052	.052	0	%100
30	M25	Z	-.09	-.09	0	%100
31	M26	X	.052	.052	0	%100
32	M26	Z	-.09	-.09	0	%100
33	M27	X	.075	.075	0	%100
34	M27	Z	-.129	-.129	0	%100
35	M28	X	.075	.075	0	%100
36	M28	Z	-.129	-.129	0	%100
37	M32	X	.035	.035	0	%100
38	M32	Z	-.06	-.06	0	%100
39	MP1A	X	.238	.238	0	%100
40	MP1A	Z	-.413	-.413	0	%100
41	M44	X	.063	.063	0	%100
42	M44	Z	-.109	-.109	0	%100
43	M45	X	.063	.063	0	%100
44	M45	Z	-.109	-.109	0	%100
45	M46	X	.063	.063	0	%100
46	M46	Z	-.109	-.109	0	%100
47	M47	X	.063	.063	0	%100
48	M47	Z	-.109	-.109	0	%100
49	MP2A	X	.238	.238	0	%100
50	MP2A	Z	-.413	-.413	0	%100
51	MP3A	X	.238	.238	0	%100
52	MP3A	Z	-.413	-.413	0	%100
53	MP4A	X	.238	.238	0	%100
54	MP4A	Z	-.413	-.413	0	%100
55	MP5A	X	.238	.238	0	%100
56	MP5A	Z	-.413	-.413	0	%100



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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	.125	.125	0	%100
2	FACE	Z	-.072	-.072	0	%100
3	M2	X	.125	.125	0	%100
4	M2	Z	-.072	-.072	0	%100
5	M13	X	.082	.082	0	%100
6	M13	Z	-.047	-.047	0	%100
7	M14	X	.082	.082	0	%100
8	M14	Z	-.047	-.047	0	%100
9	M15	X	.082	.082	0	%100
10	M15	Z	-.047	-.047	0	%100
11	M16	X	.082	.082	0	%100
12	M16	Z	-.047	-.047	0	%100
13	OVP	X	.006	.006	0	%100
14	OVP	Z	-.004	-.004	0	%100
15	M18	X	.006	.006	0	%100
16	M18	Z	-.004	-.004	0	%100
17	M19	X	.274	.274	0	%100
18	M19	Z	-.158	-.158	0	%100
19	M20	X	.274	.274	0	%100
20	M20	Z	-.158	-.158	0	%100
21	M21	X	.027	.027	0	%100
22	M21	Z	-.016	-.016	0	%100
23	M22	X	.027	.027	0	%100
24	M22	Z	-.016	-.016	0	%100
25	M23	X	.027	.027	0	%100
26	M23	Z	-.016	-.016	0	%100
27	M24	X	.027	.027	0	%100
28	M24	Z	-.016	-.016	0	%100
29	M25	X	.084	.084	0	%100
30	M25	Z	-.049	-.049	0	%100
31	M26	X	.084	.084	0	%100
32	M26	Z	-.049	-.049	0	%100
33	M27	X	.124	.124	0	%100
34	M27	Z	-.072	-.072	0	%100
35	M28	X	.124	.124	0	%100
36	M28	Z	-.072	-.072	0	%100
37	M32	X	.259	.259	0	%100
38	M32	Z	-.15	-.15	0	%100
39	MP1A	X	.413	.413	0	%100
40	MP1A	Z	-.238	-.238	0	%100
41	M44	X	.109	.109	0	%100
42	M44	Z	-.063	-.063	0	%100
43	M45	X	.109	.109	0	%100
44	M45	Z	-.063	-.063	0	%100
45	M46	X	.109	.109	0	%100
46	M46	Z	-.063	-.063	0	%100
47	M47	X	.109	.109	0	%100
48	M47	Z	-.063	-.063	0	%100
49	MP2A	X	.413	.413	0	%100
50	MP2A	Z	-.238	-.238	0	%100
51	MP3A	X	.413	.413	0	%100
52	MP3A	Z	-.238	-.238	0	%100
53	MP4A	X	.413	.413	0	%100
54	MP4A	Z	-.238	-.238	0	%100
55	MP5A	X	.413	.413	0	%100
56	MP5A	Z	-.238	-.238	0	%100



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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	.125	.125	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	.125	.125	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	.125	.125	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	.125	.125	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	.14	.14	0	%100
14	OVP	Z	0	0	0	%100
15	M18	X	.14	.14	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	.14	.14	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.14	.14	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	.117	.117	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	.117	.117	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	.117	.117	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	.117	.117	0	%100
36	M28	Z	0	0	0	%100
37	M32	X	.468	.468	0	%100
38	M32	Z	0	0	0	%100
39	MP1A	X	.477	.477	0	%100
40	MP1A	Z	0	0	0	%100
41	M44	X	.125	.125	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	.125	.125	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	.125	.125	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	.125	.125	0	%100
48	M47	Z	0	0	0	%100
49	MP2A	X	.477	.477	0	%100
50	MP2A	Z	0	0	0	%100
51	MP3A	X	.477	.477	0	%100
52	MP3A	Z	0	0	0	%100
53	MP4A	X	.477	.477	0	%100
54	MP4A	Z	0	0	0	%100
55	MP5A	X	.477	.477	0	%100
56	MP5A	Z	0	0	0	%100



Company :
 Designer :
 Job Number :
 Model Name : Risa Model

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Member Distributed Loads (BLC 69 : Structure Wm (120 Deg))

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	.125	.125	0	%100
2	FACE	Z	.072	.072	0	%100
3	M2	X	.125	.125	0	%100
4	M2	Z	.072	.072	0	%100
5	M13	X	.082	.082	0	%100
6	M13	Z	.047	.047	0	%100
7	M14	X	.082	.082	0	%100
8	M14	Z	.047	.047	0	%100
9	M15	X	.082	.082	0	%100
10	M15	Z	.047	.047	0	%100
11	M16	X	.082	.082	0	%100
12	M16	Z	.047	.047	0	%100
13	OVP	X	.274	.274	0	%100
14	OVP	Z	.158	.158	0	%100
15	M18	X	.274	.274	0	%100
16	M18	Z	.158	.158	0	%100
17	M19	X	.006	.006	0	%100
18	M19	Z	.004	.004	0	%100
19	M20	X	.006	.006	0	%100
20	M20	Z	.004	.004	0	%100
21	M21	X	.027	.027	0	%100
22	M21	Z	.016	.016	0	%100
23	M22	X	.027	.027	0	%100
24	M22	Z	.016	.016	0	%100
25	M23	X	.027	.027	0	%100
26	M23	Z	.016	.016	0	%100
27	M24	X	.027	.027	0	%100
28	M24	Z	.016	.016	0	%100
29	M25	X	.124	.124	0	%100
30	M25	Z	.072	.072	0	%100
31	M26	X	.124	.124	0	%100
32	M26	Z	.072	.072	0	%100
33	M27	X	.084	.084	0	%100
34	M27	Z	.049	.049	0	%100
35	M28	X	.084	.084	0	%100
36	M28	Z	.049	.049	0	%100
37	M32	X	.353	.353	0	%100
38	M32	Z	.204	.204	0	%100
39	MP1A	X	.413	.413	0	%100
40	MP1A	Z	.238	.238	0	%100
41	M44	X	.109	.109	0	%100
42	M44	Z	.063	.063	0	%100
43	M45	X	.109	.109	0	%100
44	M45	Z	.063	.063	0	%100
45	M46	X	.109	.109	0	%100
46	M46	Z	.063	.063	0	%100
47	M47	X	.109	.109	0	%100
48	M47	Z	.063	.063	0	%100
49	MP2A	X	.413	.413	0	%100
50	MP2A	Z	.238	.238	0	%100
51	MP3A	X	.413	.413	0	%100
52	MP3A	Z	.238	.238	0	%100
53	MP4A	X	.413	.413	0	%100
54	MP4A	Z	.238	.238	0	%100
55	MP5A	X	.413	.413	0	%100
56	MP5A	Z	.238	.238	0	%100



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 Model Name : Risa Model

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	.216	.216	0	%100
2	FACE	Z	.375	.375	0	%100
3	M2	X	.216	.216	0	%100
4	M2	Z	.375	.375	0	%100
5	M13	X	.016	.016	0	%100
6	M13	Z	.027	.027	0	%100
7	M14	X	.016	.016	0	%100
8	M14	Z	.027	.027	0	%100
9	M15	X	.016	.016	0	%100
10	M15	Z	.027	.027	0	%100
11	M16	X	.016	.016	0	%100
12	M16	Z	.027	.027	0	%100
13	OVP	X	.18	.18	0	%100
14	OVP	Z	.312	.312	0	%100
15	M18	X	.18	.18	0	%100
16	M18	Z	.312	.312	0	%100
17	M19	X	.026	.026	0	%100
18	M19	Z	.044	.044	0	%100
19	M20	X	.026	.026	0	%100
20	M20	Z	.044	.044	0	%100
21	M21	X	.047	.047	0	%100
22	M21	Z	.082	.082	0	%100
23	M22	X	.047	.047	0	%100
24	M22	Z	.082	.082	0	%100
25	M23	X	.047	.047	0	%100
26	M23	Z	.082	.082	0	%100
27	M24	X	.047	.047	0	%100
28	M24	Z	.082	.082	0	%100
29	M25	X	.075	.075	0	%100
30	M25	Z	.129	.129	0	%100
31	M26	X	.075	.075	0	%100
32	M26	Z	.129	.129	0	%100
33	M27	X	.052	.052	0	%100
34	M27	Z	.09	.09	0	%100
35	M28	X	.052	.052	0	%100
36	M28	Z	.09	.09	0	%100
37	M32	X	.089	.089	0	%100
38	M32	Z	.154	.154	0	%100
39	MP1A	X	.238	.238	0	%100
40	MP1A	Z	.413	.413	0	%100
41	M44	X	.063	.063	0	%100
42	M44	Z	.109	.109	0	%100
43	M45	X	.063	.063	0	%100
44	M45	Z	.109	.109	0	%100
45	M46	X	.063	.063	0	%100
46	M46	Z	.109	.109	0	%100
47	M47	X	.063	.063	0	%100
48	M47	Z	.109	.109	0	%100
49	MP2A	X	.238	.238	0	%100
50	MP2A	Z	.413	.413	0	%100
51	MP3A	X	.238	.238	0	%100
52	MP3A	Z	.413	.413	0	%100
53	MP4A	X	.238	.238	0	%100
54	MP4A	Z	.413	.413	0	%100
55	MP5A	X	.238	.238	0	%100
56	MP5A	Z	.413	.413	0	%100



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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in...	End Location[in,%]
1	FACE	X	0	0	0	%100
2	FACE	Z	.577	.577	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.577	.577	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	0	0	0	%100
14	OVP	Z	.228	.228	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	.228	.228	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	.228	.228	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	.228	.228	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	.125	.125	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	.125	.125	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	.125	.125	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	.125	.125	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	.13	.13	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	.13	.13	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	.13	.13	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	.13	.13	0	%100
37	M32	X	0	0	0	%100
38	M32	Z	.008	.008	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	.477	.477	0	%100
41	M44	X	0	0	0	%100
42	M44	Z	.125	.125	0	%100
43	M45	X	0	0	0	%100
44	M45	Z	.125	.125	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	.125	.125	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	.125	.125	0	%100
49	MP2A	X	0	0	0	%100
50	MP2A	Z	.477	.477	0	%100
51	MP3A	X	0	0	0	%100
52	MP3A	Z	.477	.477	0	%100
53	MP4A	X	0	0	0	%100
54	MP4A	Z	.477	.477	0	%100
55	MP5A	X	0	0	0	%100
56	MP5A	Z	.477	.477	0	%100



Company :
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 Job Number :
 Model Name : Risa Model

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	-.216	-.216	0	%100
2	FACE	Z	.375	.375	0	%100
3	M2	X	-.216	-.216	0	%100
4	M2	Z	.375	.375	0	%100
5	M13	X	-.016	-.016	0	%100
6	M13	Z	.027	.027	0	%100
7	M14	X	-.016	-.016	0	%100
8	M14	Z	.027	.027	0	%100
9	M15	X	-.016	-.016	0	%100
10	M15	Z	.027	.027	0	%100
11	M16	X	-.016	-.016	0	%100
12	M16	Z	.027	.027	0	%100
13	OVP	X	-.026	-.026	0	%100
14	OVP	Z	.044	.044	0	%100
15	M18	X	-.026	-.026	0	%100
16	M18	Z	.044	.044	0	%100
17	M19	X	-.18	-.18	0	%100
18	M19	Z	.312	.312	0	%100
19	M20	X	-.18	-.18	0	%100
20	M20	Z	.312	.312	0	%100
21	M21	X	-.047	-.047	0	%100
22	M21	Z	.082	.082	0	%100
23	M22	X	-.047	-.047	0	%100
24	M22	Z	.082	.082	0	%100
25	M23	X	-.047	-.047	0	%100
26	M23	Z	.082	.082	0	%100
27	M24	X	-.047	-.047	0	%100
28	M24	Z	.082	.082	0	%100
29	M25	X	-.052	-.052	0	%100
30	M25	Z	.09	.09	0	%100
31	M26	X	-.052	-.052	0	%100
32	M26	Z	.09	.09	0	%100
33	M27	X	-.075	-.075	0	%100
34	M27	Z	.129	.129	0	%100
35	M28	X	-.075	-.075	0	%100
36	M28	Z	.129	.129	0	%100
37	M32	X	-.035	-.035	0	%100
38	M32	Z	.06	.06	0	%100
39	MP1A	X	-.238	-.238	0	%100
40	MP1A	Z	.413	.413	0	%100
41	M44	X	-.063	-.063	0	%100
42	M44	Z	.109	.109	0	%100
43	M45	X	-.063	-.063	0	%100
44	M45	Z	.109	.109	0	%100
45	M46	X	-.063	-.063	0	%100
46	M46	Z	.109	.109	0	%100
47	M47	X	-.063	-.063	0	%100
48	M47	Z	.109	.109	0	%100
49	MP2A	X	-.238	-.238	0	%100
50	MP2A	Z	.413	.413	0	%100
51	MP3A	X	-.238	-.238	0	%100
52	MP3A	Z	.413	.413	0	%100
53	MP4A	X	-.238	-.238	0	%100
54	MP4A	Z	.413	.413	0	%100
55	MP5A	X	-.238	-.238	0	%100
56	MP5A	Z	.413	.413	0	%100



Company :
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 Model Name : Risa Model

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	-.125	-.125	0	%100
2	FACE	Z	.072	.072	0	%100
3	M2	X	-.125	-.125	0	%100
4	M2	Z	.072	.072	0	%100
5	M13	X	-.082	-.082	0	%100
6	M13	Z	.047	.047	0	%100
7	M14	X	-.082	-.082	0	%100
8	M14	Z	.047	.047	0	%100
9	M15	X	-.082	-.082	0	%100
10	M15	Z	.047	.047	0	%100
11	M16	X	-.082	-.082	0	%100
12	M16	Z	.047	.047	0	%100
13	OVP	X	-.006	-.006	0	%100
14	OVP	Z	.004	.004	0	%100
15	M18	X	-.006	-.006	0	%100
16	M18	Z	.004	.004	0	%100
17	M19	X	-.274	-.274	0	%100
18	M19	Z	.158	.158	0	%100
19	M20	X	-.274	-.274	0	%100
20	M20	Z	.158	.158	0	%100
21	M21	X	-.027	-.027	0	%100
22	M21	Z	.016	.016	0	%100
23	M22	X	-.027	-.027	0	%100
24	M22	Z	.016	.016	0	%100
25	M23	X	-.027	-.027	0	%100
26	M23	Z	.016	.016	0	%100
27	M24	X	-.027	-.027	0	%100
28	M24	Z	.016	.016	0	%100
29	M25	X	-.084	-.084	0	%100
30	M25	Z	.049	.049	0	%100
31	M26	X	-.084	-.084	0	%100
32	M26	Z	.049	.049	0	%100
33	M27	X	-.124	-.124	0	%100
34	M27	Z	.072	.072	0	%100
35	M28	X	-.124	-.124	0	%100
36	M28	Z	.072	.072	0	%100
37	M32	X	-.259	-.259	0	%100
38	M32	Z	.15	.15	0	%100
39	MP1A	X	-.413	-.413	0	%100
40	MP1A	Z	.238	.238	0	%100
41	M44	X	-.109	-.109	0	%100
42	M44	Z	.063	.063	0	%100
43	M45	X	-.109	-.109	0	%100
44	M45	Z	.063	.063	0	%100
45	M46	X	-.109	-.109	0	%100
46	M46	Z	.063	.063	0	%100
47	M47	X	-.109	-.109	0	%100
48	M47	Z	.063	.063	0	%100
49	MP2A	X	-.413	-.413	0	%100
50	MP2A	Z	.238	.238	0	%100
51	MP3A	X	-.413	-.413	0	%100
52	MP3A	Z	.238	.238	0	%100
53	MP4A	X	-.413	-.413	0	%100
54	MP4A	Z	.238	.238	0	%100
55	MP5A	X	-.413	-.413	0	%100
56	MP5A	Z	.238	.238	0	%100



Company :
 Designer :
 Job Number :
 Model Name : Risa Model

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	0	0	0	%100
2	FACE	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-.125	-.125	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-.125	-.125	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-.125	-.125	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-.125	-.125	0	%100
12	M16	Z	0	0	0	%100
13	OVP	X	-.14	-.14	0	%100
14	OVP	Z	0	0	0	%100
15	M18	X	-.14	-.14	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-.14	-.14	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-.14	-.14	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-.117	-.117	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-.117	-.117	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-.117	-.117	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-.117	-.117	0	%100
36	M28	Z	0	0	0	%100
37	M32	X	-.468	-.468	0	%100
38	M32	Z	0	0	0	%100
39	MP1A	X	-.477	-.477	0	%100
40	MP1A	Z	0	0	0	%100
41	M44	X	-.125	-.125	0	%100
42	M44	Z	0	0	0	%100
43	M45	X	-.125	-.125	0	%100
44	M45	Z	0	0	0	%100
45	M46	X	-.125	-.125	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	-.125	-.125	0	%100
48	M47	Z	0	0	0	%100
49	MP2A	X	-.477	-.477	0	%100
50	MP2A	Z	0	0	0	%100
51	MP3A	X	-.477	-.477	0	%100
52	MP3A	Z	0	0	0	%100
53	MP4A	X	-.477	-.477	0	%100
54	MP4A	Z	0	0	0	%100
55	MP5A	X	-.477	-.477	0	%100
56	MP5A	Z	0	0	0	%100



Company :
 Designer :
 Job Number :
 Model Name : Risa Model

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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[in,...]	End Location[in, %]
1	FACE	X	-.125	-.125	0	%100
2	FACE	Z	-.072	-.072	0	%100
3	M2	X	-.125	-.125	0	%100
4	M2	Z	-.072	-.072	0	%100
5	M13	X	-.082	-.082	0	%100
6	M13	Z	-.047	-.047	0	%100
7	M14	X	-.082	-.082	0	%100
8	M14	Z	-.047	-.047	0	%100
9	M15	X	-.082	-.082	0	%100
10	M15	Z	-.047	-.047	0	%100
11	M16	X	-.082	-.082	0	%100
12	M16	Z	-.047	-.047	0	%100
13	OVP	X	-.274	-.274	0	%100
14	OVP	Z	-.158	-.158	0	%100
15	M18	X	-.274	-.274	0	%100
16	M18	Z	-.158	-.158	0	%100
17	M19	X	-.006	-.006	0	%100
18	M19	Z	-.004	-.004	0	%100
19	M20	X	-.006	-.006	0	%100
20	M20	Z	-.004	-.004	0	%100
21	M21	X	-.027	-.027	0	%100
22	M21	Z	-.016	-.016	0	%100
23	M22	X	-.027	-.027	0	%100
24	M22	Z	-.016	-.016	0	%100
25	M23	X	-.027	-.027	0	%100
26	M23	Z	-.016	-.016	0	%100
27	M24	X	-.027	-.027	0	%100
28	M24	Z	-.016	-.016	0	%100
29	M25	X	-.124	-.124	0	%100
30	M25	Z	-.072	-.072	0	%100
31	M26	X	-.124	-.124	0	%100
32	M26	Z	-.072	-.072	0	%100
33	M27	X	-.084	-.084	0	%100
34	M27	Z	-.049	-.049	0	%100
35	M28	X	-.084	-.084	0	%100
36	M28	Z	-.049	-.049	0	%100
37	M32	X	-.353	-.353	0	%100
38	M32	Z	-.204	-.204	0	%100
39	MP1A	X	-.413	-.413	0	%100
40	MP1A	Z	-.238	-.238	0	%100
41	M44	X	-.109	-.109	0	%100
42	M44	Z	-.063	-.063	0	%100
43	M45	X	-.109	-.109	0	%100
44	M45	Z	-.063	-.063	0	%100
45	M46	X	-.109	-.109	0	%100
46	M46	Z	-.063	-.063	0	%100
47	M47	X	-.109	-.109	0	%100
48	M47	Z	-.063	-.063	0	%100
49	MP2A	X	-.413	-.413	0	%100
50	MP2A	Z	-.238	-.238	0	%100
51	MP3A	X	-.413	-.413	0	%100
52	MP3A	Z	-.238	-.238	0	%100
53	MP4A	X	-.413	-.413	0	%100
54	MP4A	Z	-.238	-.238	0	%100
55	MP5A	X	-.413	-.413	0	%100
56	MP5A	Z	-.238	-.238	0	%100



Company :
 Designer :
 Job Number :
 Model Name : Risa Model

Mar 2, 2021
 10:22 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[l...	End Magnitude[lb/ft,F,ksf]	Start Location[in,...	End Location[in, %]
1	FACE	X	-216	-216	0	%100
2	FACE	Z	-375	-375	0	%100
3	M2	X	-216	-216	0	%100
4	M2	Z	-375	-375	0	%100
5	M13	X	-016	-016	0	%100
6	M13	Z	-027	-027	0	%100
7	M14	X	-016	-016	0	%100
8	M14	Z	-027	-027	0	%100
9	M15	X	-016	-016	0	%100
10	M15	Z	-027	-027	0	%100
11	M16	X	-016	-016	0	%100
12	M16	Z	-027	-027	0	%100
13	OVP	X	-.18	-.18	0	%100
14	OVP	Z	-.312	-.312	0	%100
15	M18	X	-.18	-.18	0	%100
16	M18	Z	-.312	-.312	0	%100
17	M19	X	-.026	-.026	0	%100
18	M19	Z	-.044	-.044	0	%100
19	M20	X	-.026	-.026	0	%100
20	M20	Z	-.044	-.044	0	%100
21	M21	X	-.047	-.047	0	%100
22	M21	Z	-.082	-.082	0	%100
23	M22	X	-.047	-.047	0	%100
24	M22	Z	-.082	-.082	0	%100
25	M23	X	-.047	-.047	0	%100
26	M23	Z	-.082	-.082	0	%100
27	M24	X	-.047	-.047	0	%100
28	M24	Z	-.082	-.082	0	%100
29	M25	X	-.075	-.075	0	%100
30	M25	Z	-.129	-.129	0	%100
31	M26	X	-.075	-.075	0	%100
32	M26	Z	-.129	-.129	0	%100
33	M27	X	-.052	-.052	0	%100
34	M27	Z	-.09	-.09	0	%100
35	M28	X	-.052	-.052	0	%100
36	M28	Z	-.09	-.09	0	%100
37	M32	X	-.089	-.089	0	%100
38	M32	Z	-.154	-.154	0	%100
39	MP1A	X	-.238	-.238	0	%100
40	MP1A	Z	-.413	-.413	0	%100
41	M44	X	-.063	-.063	0	%100
42	M44	Z	-.109	-.109	0	%100
43	M45	X	-.063	-.063	0	%100
44	M45	Z	-.109	-.109	0	%100
45	M46	X	-.063	-.063	0	%100
46	M46	Z	-.109	-.109	0	%100
47	M47	X	-.063	-.063	0	%100
48	M47	Z	-.109	-.109	0	%100
49	MP2A	X	-.238	-.238	0	%100
50	MP2A	Z	-.413	-.413	0	%100
51	MP3A	X	-.238	-.238	0	%100
52	MP3A	Z	-.413	-.413	0	%100
53	MP4A	X	-.238	-.238	0	%100
54	MP4A	Z	-.413	-.413	0	%100
55	MP5A	X	-.238	-.238	0	%100
56	MP5A	Z	-.413	-.413	0	%100



Company :
 Designer :
 Job Number :
 Model Name : Risa Model

Mar 2, 2021
 10:22 AM
 Checked By: _____

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
No Data to Print ...						

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	N35	max	1524.281	33	964.024	23	1527.894	13	0	51	0	51
2		min	-521.79	49	437.488	5	-148.381	7	0	1	0	1
3	N36	max	522.021	49	1006.025	17	331.438	12	0	51	0	51
4		min	-1515.297	29	455.159	11	-1594.059	6	0	1	0	1
5	N67A	max	426.487	9	43.926	21	554.734	3	0	51	0	51
6		min	-426.042	3	19.96	2	-554.604	9	0	1	0	1
7	Totals:	max	1056.546	9	2001.675	13	1717.057	1				
8		min	-1056.545	3	956.085	8	-1717.055	7				

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

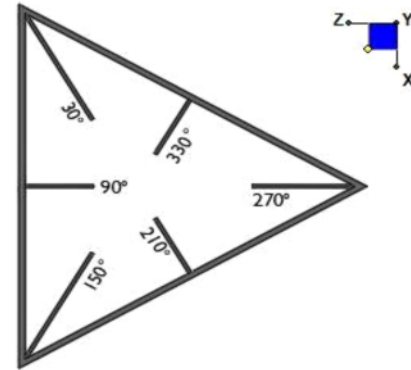
Member	Shape	Code Check	Loc[in]	LC	Shear	Loc[in]	Dir	LC	phi*Pnc	phi*Pnt	phi*Mn y	phi*Mn z	Cb	Eqn	
1	FACE	PIPE 2.5	.259	104....	33	.119	104....	41	14558.7...	50715	3.596	3.596	2...	H1-1b	
2	M2	PIPE 2.5	.250	104....	30	.113	104....	17	14558.7...	50715	3.596	3.596	2...	H1-1b	
3	M13	PL5/8X3.5	.099	0	14	.087	4.535	y	7	66184.77	68906.25	.897	5.024	1...	H1-1b
4	M14	PL5/8X3.5	.132	0	49	.096	5.063	y	2	66184.77	68906.25	.897	5.024	1...	H1-1b
5	M15	PL5/8X3.5	.350	0	36	.129	0	y	1	66184.77	68906.25	.897	5.024	1...	H1-1b
6	M16	PL5/8X3.5	.278	0	36	.158	5.063	y	6	66184.77	68906.25	.897	5.024	1...	H1-1b
7	OVP	PIPE 2.0	.190	30.007	14	.040	0	32	31128.25	32130	1.872	1.872	1...	H1-1b	
8	M18	PIPE 2.0	.188	30.007	14	.044	0	32	31128.25	32130	1.872	1.872	1...	H1-1b	
9	M19	PIPE 2.0	.186	30.007	36	.060	0	36	31128.25	32130	1.872	1.872	1...	H1-1b	
10	M20	PIPE 2.0	.182	30.007	31	.048	0	32	31128.25	32130	1.872	1.872	2...	H1-1b	
11	M21	PL5/8X3.5	.321	0	49	.321	0	y	15	67591.76	68906.25	.897	5.024	2...	H1-1b
12	M22	PL5/8X3.5	.418	6.375	18	.277	6.375	y	31	67591.76	68906.25	.897	5.024	1...	H1-1b
13	M23	PL5/8X3.5	.321	0	49	.329	6.375	y	14	67591.76	68906.25	.897	5.024	2...	H1-1b
14	M24	PL5/8X3.5	.389	6.375	13	.244	0	y	33	67591.76	68906.25	.897	5.024	1...	H1-1b
15	M25	SR 0.75	.004	50.004	32	.011	0	36	2863.854	13916.2...	.174	.174	1...	H1-1b*	
16	M26	SR 0.75	.046	0	49	.014	50.004	8	2863.854	13916.2...	.174	.174	1...	H1-1b*	
17	M27	SR 0.75	.000	0	51	.009	0	32	2863.854	13916.2...	.174	.174	1...	H1-1a	
18	M28	SR 0.75	.092	50.004	32	.014	0	33	2863.854	13916.2...	.174	.174	1...	H1-1b*	
19	M32	PIPE 2.0	.072	59.33	4	.005	0	23	10483.4...	32130	1.872	1.872	1...	H1-1b	
20	MP1A	PIPE 2.0	.391	26.25	29	.054	26.25	3	17855.0...	32130	1.872	1.872	2...	H1-1b	
21	M44	SR 0.625	.034	20	6	.016	0	49	2158.31	9664.079	.101	.101	1...	H1-1b	
22	M45	SR 0.625	.037	20	8	.013	0	20	2158.31	9664.079	.101	.101	1...	H1-1b	
23	M46	SR 0.625	.037	20	7	.011	0	8	2158.31	9664.079	.101	.101	1	H1-1b	
24	M47	SR 0.625	.040	20	5	.013	0	49	2158.31	9664.079	.101	.101	1...	H1-1b	
25	MP2A	PIPE 2.0	.180	26.25	29	.058	65.625	2	17855.0...	32130	1.872	1.872	2...	H1-1b	
26	MP3A	PIPE 2.0	.113	26.25	8	.044	25.375	6	17855.0...	32130	1.872	1.872	2...	H1-1b	
27	MP4A	PIPE 2.0	.111	26.25	32	.030	26.25	32	17855.0...	32130	1.872	1.872	2...	H1-1b	
28	MP5A	PIPE 2.0	.214	65.625	49	.031	26.25	49	17855.0...	32130	1.872	1.872	2...	H1-1b	



I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

d_x (in) (Delta X of typ. bolt config. sketch)

d_y (in) (Delta Y of typ. bolt config. sketch)

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

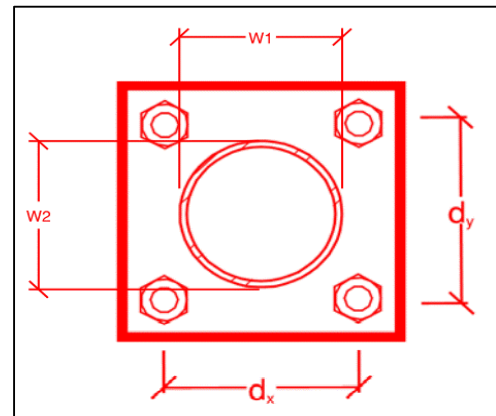
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

no



*Note: Tension reduction not required if tension or shear capacity < 30%

Mount Desktop Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor Passing Mount Analysis

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

Contractor is responsible for making certain the photos provided as noted below provide confirmation that the installation was completed in accordance with this Passing Mount Analysis.

Contractor shall relay any data that can impact the performance of the mount, this includes safety issues.

Base Requirements:

Any special photos outside of the standard requirements will be indicated on the passing MA Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Maser Consulting Connecticut immediately.

Each photo should be time and date stamped

Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.

Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.

The photos in the file structure should be uploaded to <https://pmi.vzsmart.com> as depicted on the drawings

Photo Requirements:

Base and "During Installation Photos"

- Base pictures include
 - Photo of Gate Signs showing the tower owner, site name, and number
 - Photo of carrier shelter showing the carrier site name and number if available
 - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
- "During Installation Photos if provided - must be placed only in this folder

Photos taken at ground level

- Overall tower structure before and after installation of the equipment modifications
- Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

Photos taken at Mount Elevation

- Photos showing each individual sector before and also after installation of equipment.

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

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.
- The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.
- The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: Company _____
Name _____
Signature _____

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


















Issue:

Proposed DB-B1-6C-12AB-0Z to be installed in Alpha and Beta sectors. It shall be installed 15" from tower connection on the top right standoff horizontal pipe facing away from tower.

Contractor to install safety climb wire rope standoff (Site Pro 1 Part # 120-123/317 or EOR Approved equivalent) in all locations of wire rope rubbing on mount.

Response:

Schedule A Photo & Document File Structure

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

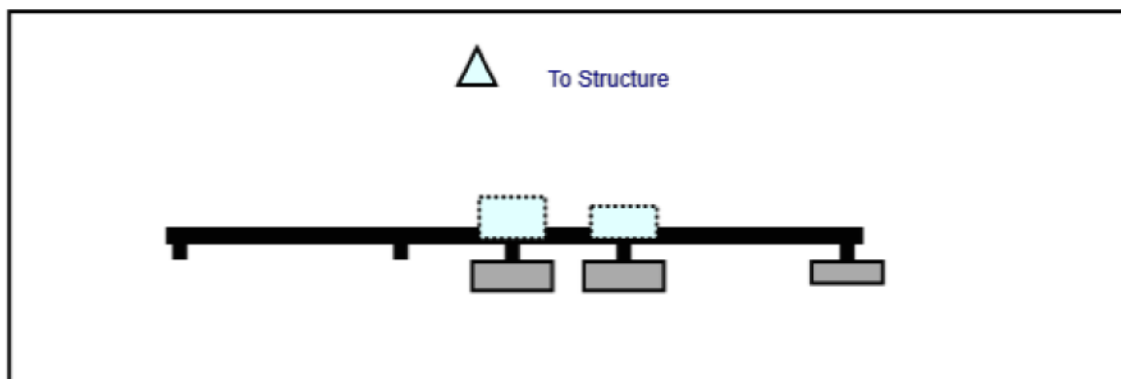
Sector: **A**
 Structure Type: Self Support
 Mount Elev: 119.00

3/1/2021

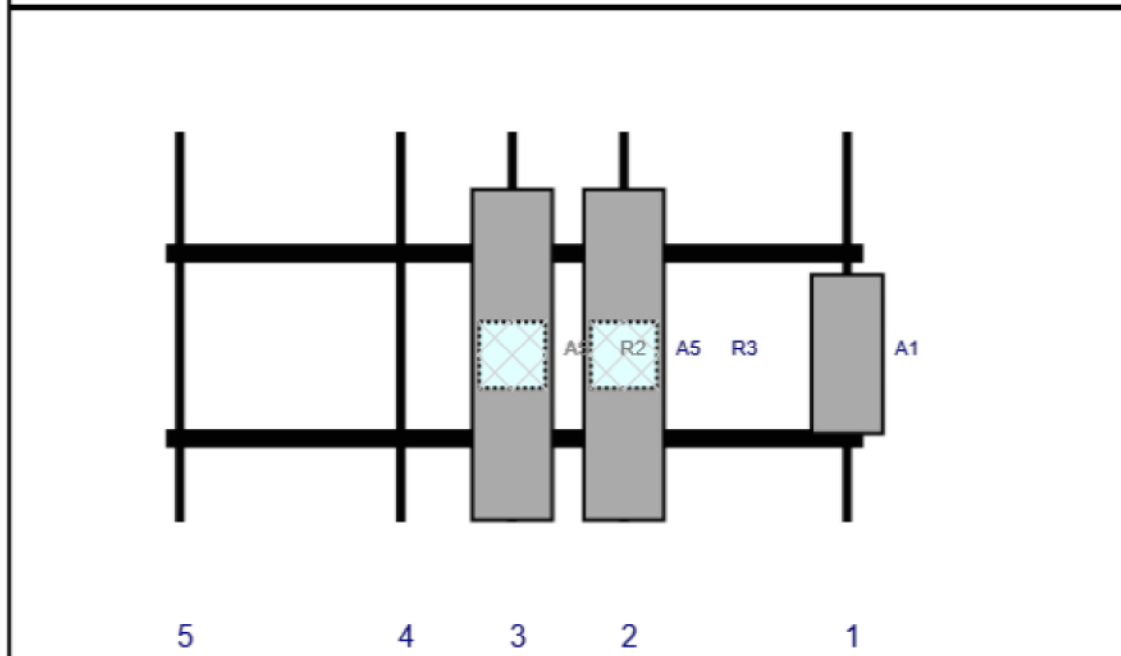


Page: 1

Plan View



Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	VZS01	35.1	16.1	146.5	1	a	Front	48	0	Added	
A5	SBNHH-1D45B	72	18	98.5	2	a	Front	48	0	Retained	09/06/2018
R3	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	98.5	2	a	Behind	48	0	Added	
A5	SBNHH-1D45B	72	18	74.5	3	a	Front	48	0	Retained	09/06/2018
R2	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	74.5	3	a	Behind	48	0	Added	

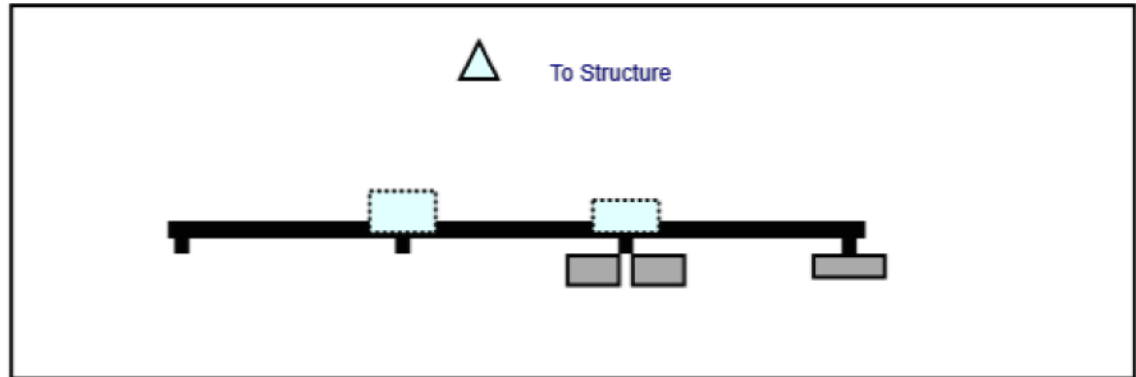
Sector: **B**
 Structure Type: Self Support
 Mount Elev: 119.00

3/1/2021

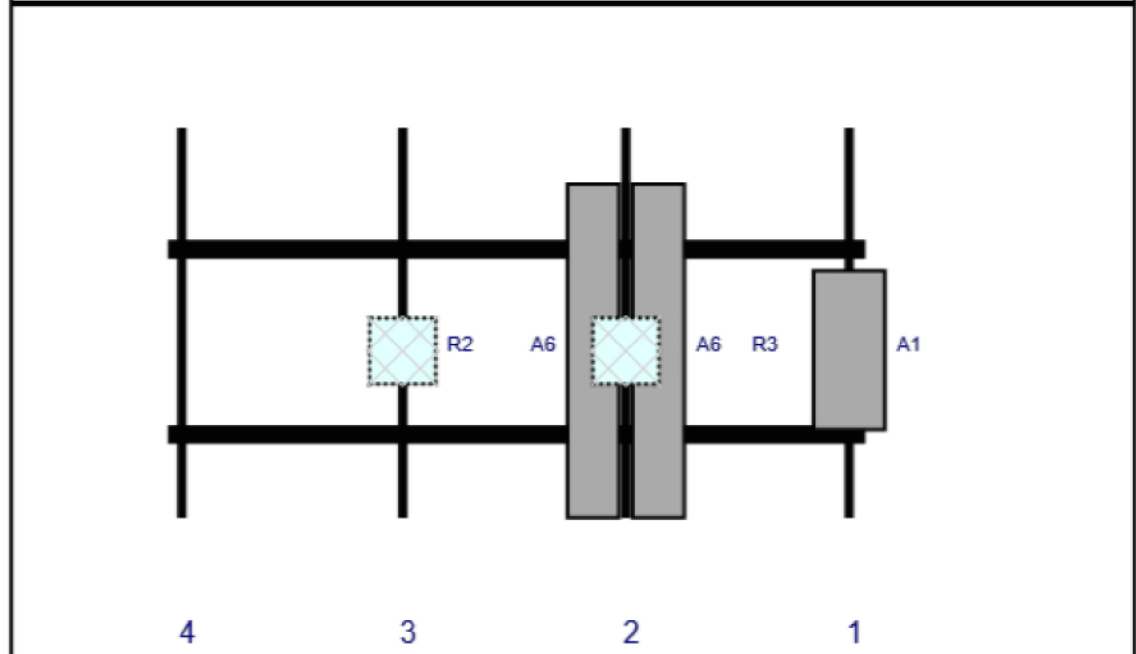


Page: 2

Plan View



Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	VZS01	35.1	16.1	146.5	1	a	Front	48	0	Added	
A6	SBNHH-1D65B	72.6	11.9	98.5	2	a	Front	48	-7	Retained	09/06/2018
A6	SBNHH-1D65B	72.6	11.9	98.5	2	b	Front	48	7	Retained	09/06/2018
R3	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	98.5	2	a	Behind	48	0	Added	
R2	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	50.5	3	a	Behind	48	0	Added	

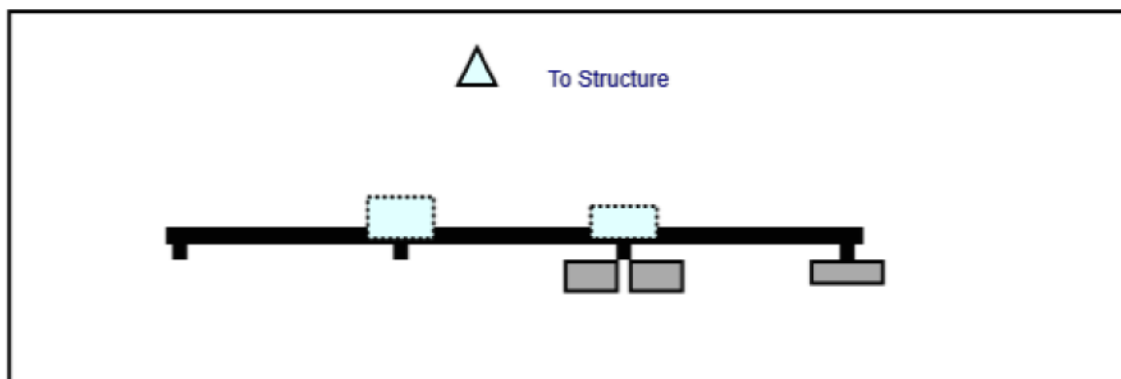
Sector: C
 Structure Type: Self Support
 Mount Elev: 119.00

3/1/2021

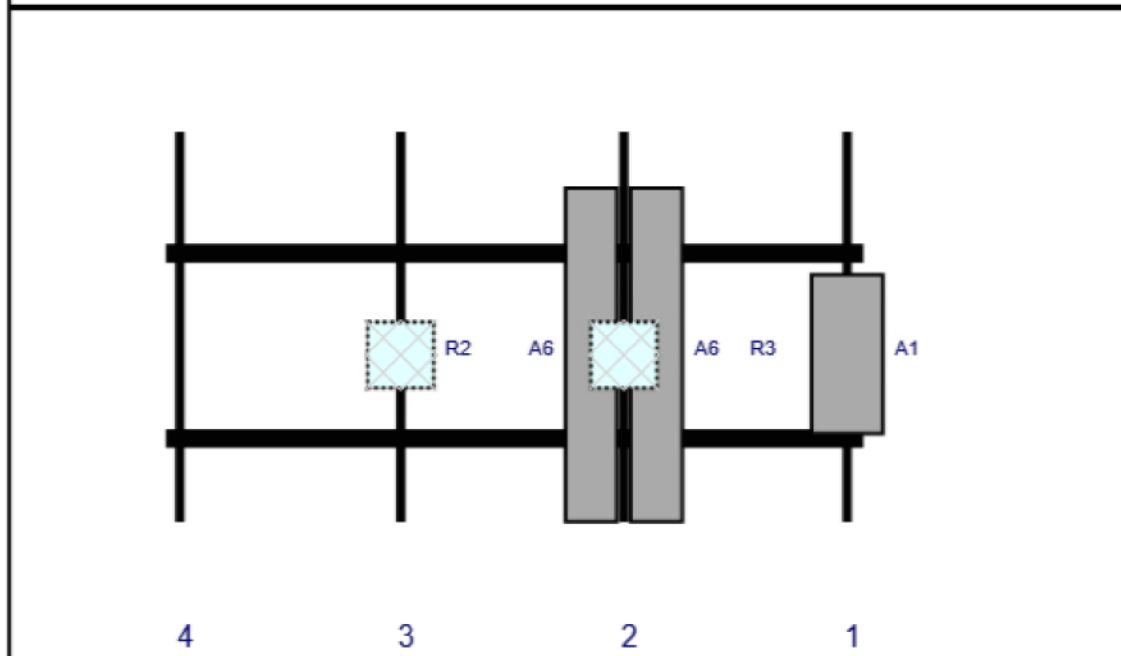


Page: 3

Plan View



Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	VZS01	35.1	16.1	146.5	1	a	Front	48	0	Added	
A6	SBNHH-1D65B	72.6	11.9	98.5	2	b	Front	48	7	Retained	09/06/2018
A6	SBNHH-1D65B	72.6	11.9	98.5	2	c	Front	48	-7	Retained	09/06/2018
R3	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	98.5	2	a	Behind	48	0	Added	
R2	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	50.5	3	a	Behind	48	0	Added	

Maser Consulting Connecticut

Subject TIA-222-H Adoption and Wind Speed Usage

Site Information Site ID: 467900-VZW / Willimantic CT
Site Name: Willimantic CT
Carrier Name: Verizon Wireless
Address: 349 Mountain Street
Willimantic, Connecticut 06226
Windham County

Latitude: 41.703000°
Longitude: -72.221389°

Structure Information Tower Type: 196-Ft Self Support
Mount Type: 12.50-Ft Sector Frame

To Whom It May Concern,

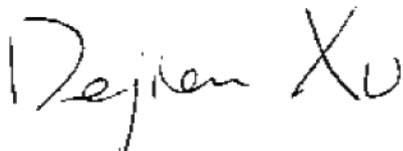
We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

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. The 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,



Dejian Xu, PE
Technical Specialist

March 29, 2021

Mr. Andrew Leone
Verizon Wireless
20 Alexander Dr.
Wallingford, CT 06492

Re: Verizon Wireless antenna Model Clarification for CT Siting Council

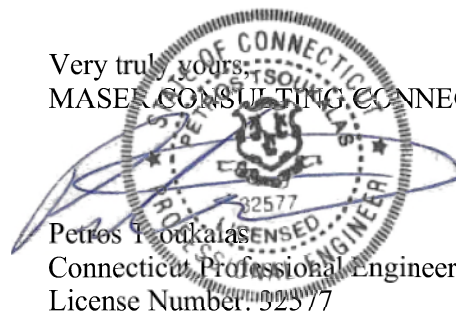
Dear Mr. Leone,

This letter is intended to clarify and confirm the antenna naming convention used by Verizon Wireless as a part of an antenna upgrade project on numerous wireless facilities.

The antenna naming convention “Licensed Sub-6, L-Sub6, nL-Sub6, VZS01” and any other slight variants refer to the 64T64RMMU antenna manufactured by Samsung Electronics. These names are interchangeable and are used in various documents, including but not limited to the “Antenna Mount Analysis”.

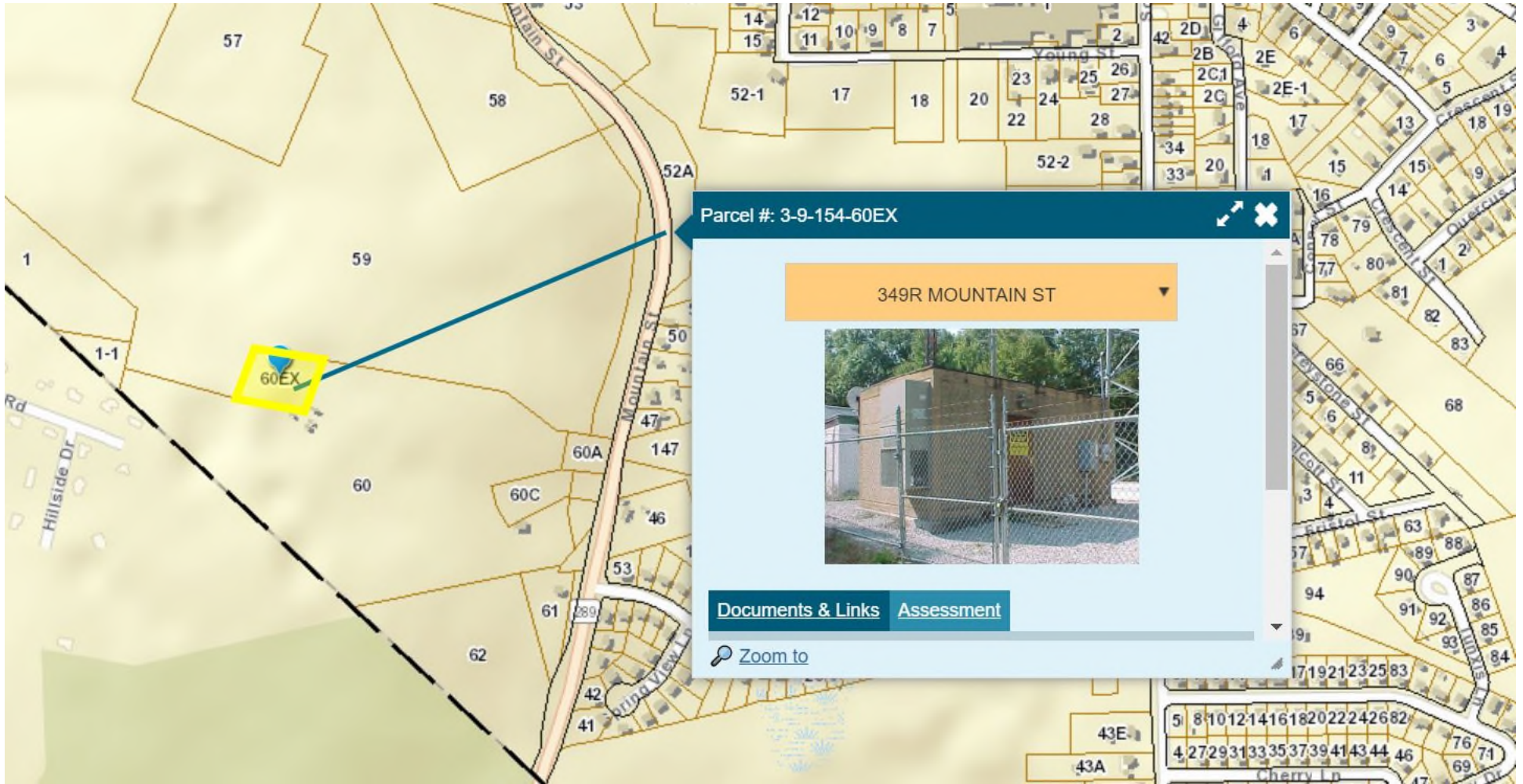
If you have any questions or comments, or require additional information, please do not hesitate to contact me.

Very truly yours,
MASER CONSULTING CONNECTICUT



Petros I. Ioukalis
Connecticut Professional Engineer
License Number: 32577

ATTACHMENT 5



Parcel #: 3-9-154-60EX

349R MOUNTAIN ST



Documents & Links Assessment

Zoom to

CURRENT OWNER		TOPO.	UTILITIES	STRT./ROAD	LOCATION	CURRENT ASSESSMENT			
SBA PROPERTIES INC		2 Above Street	5 Well	3 Unpaved		Description	Code	Appraised Value	Assessed Value
8051 CONGRESS AVE		5 Steep	6 Septic			UTL LAND	4-1	124,400	87,080
BOCA RATON, FL 33487			0 None			UTL BLDG	4-2	29,900	20,930
Additional Owners:						UTL OUTBL	4-3	17,020	11,920
SUPPLEMENTAL DATA									
Other ID:	3- 9/154/ 60EX		LCI		C				
Zoning	R4		ParcelStatus						
Neighborhood	250 - 0		Cost Flag						
Living Units	0		Lot Number		0				
Census	8004		A_D						
District No	2		ASSOC PID#						
GIS ID:									
Total								171,320	119,930

6163
WINDHAM, CT

VISION

RECORD OF OWNERSHIP		BK-VOL/PAGE	SALE DATE	q/u	v/i	SALE PRICE	V.C.	PREVIOUS ASSESSMENTS (HISTORY)								
SBA PROPERTIES INC		631/ 299	04/10/2001	U	I	108,650	22	Yr.	Code	Assessed Value	Yr.	Code	Assessed Value	Yr.	Code	Assessed Value
NUTMEG BROADCASTING COMPANY		343/ 130	09/10/1990	U	I	0	0	2017	4-1	87,080	2016	4-1	87,080	2015	300	26,810
NUTMEG BROADCASTING COMPANY		304/ 277	10/09/1987	Q	I	75,000		2017	4-2	26,810	2016	4-2	26,810	2015	300	87,080
SYNCOM CAPITAL CORPORATION		285/ 647	09/01/1985	U	I	0		2017	4-3	0	2016	4-3	0			
DELTA COMMUNICATIONS CORPORATION		263/ 635	06/01/1980	U	I	0										
DAWSON JEROME & HILDA		241/ 106	04/01/1975	U	I	0										
Total:									113,890		Total:		113,890	Total:		113,890

EXEMPTIONS			OTHER ASSESSMENTS					
Year	Type	Description	Amount	Code	Description	Number	Amount	Comm. Int.
Total:								

This signature acknowledges a visit by a Data Collector or Assessor

ASSESSING NEIGHBORHOOD				
NBHD/ SUB	NBHD Name	Street Index Name	Tracing	Batch
0001/A			433	I

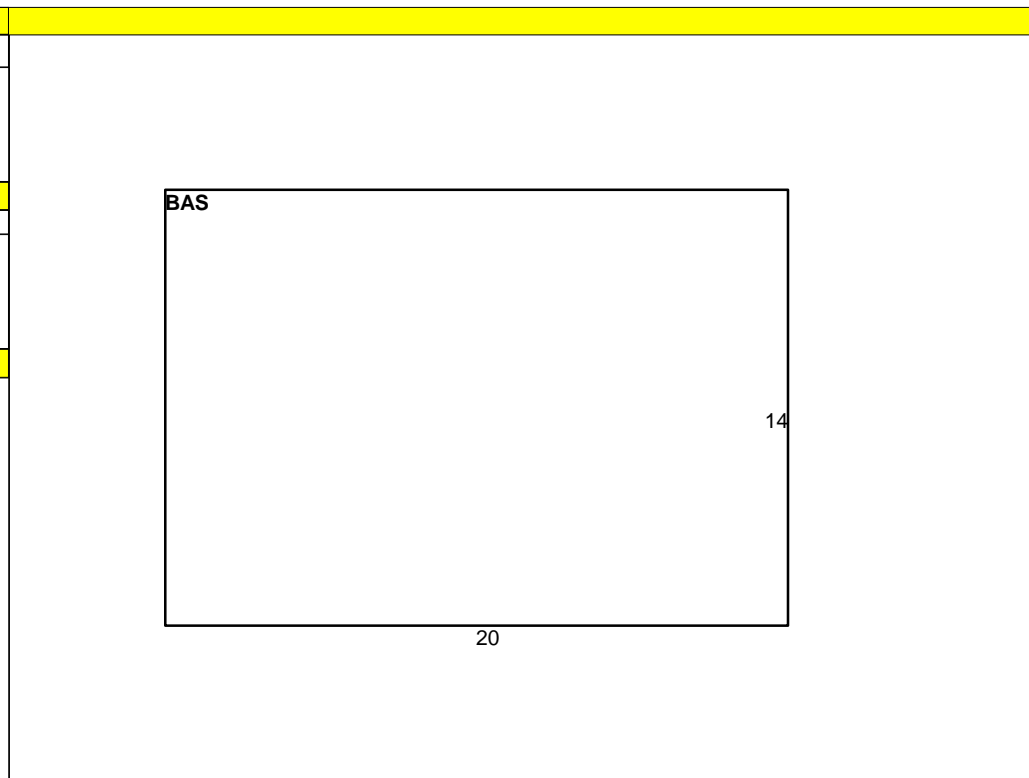
APPRAISED VALUE SUMMARY	
Appraised Bldg. Value (Card)	29,900
Appraised XF (B) Value (Bldg)	0
Appraised OB (L) Value (Bldg)	17,020
Appraised Land Value (Bldg)	124,400
Special Land Value	0
Total Appraised Parcel Value	171,320
Valuation Method:	C
Adjustment:	0
Net Total Appraised Parcel Value	171,320

NOTES							

BUILDING PERMIT RECORD									VISIT/ CHANGE HISTORY					
Permit ID	Issue Date	Type	Description	Amount	Insp. Date	% Comp.	Date Comp.	Comments	Date	Type	IS	ID	Cd.	Purpose/Result
34217	03/12/2018	53	Cell Tower/Antennae	15,000		0			10/02/2002			BM	I	ENTRY + SIGN
32161	09/13/2016	53	Cell Tower/Antennae	79,651		0								
14063	07/01/2003	BP		6,000	07/10/2003	0	07/10/2003	06-26						
13760	05/07/2003	BP		54,000	09/10/2003	0	09/10/2003	34-26						
11453	03/13/2002	BP		30,000	09/09/2002	0	09/09/2002	34-26						
10561	04/16/2001	BP		2,000	04/17/2001	0	04/17/2001	06-26						
3086	03/01/1992	BP		0		0		16 26 #274						

LAND LINE VALUATION SECTION																			
B #	Use Code	Use Description	Zone	D	Front	Depth	Units	Unit Price	I. Factor	S.A.	Acre Disc	C. Factor	ST. Idx	Adj.	Notes-Adj	Special Pricing	S Adj Fact	Adj. Unit Price	Land Value
1	304	Public Utility C	R4				1.00	AC	80,000.00	1.0000	0	1.0000	1.00	250	1.00	Topography;		1.00	80,000
1	304	Public Utility C					0.05	AC	1,400.00	1.0000	0	1.0000	1.00		0.00	Topography;		1.00	70
1	304	Public Utility C					1.00	AC	44,330.00	1.0000	0	1.0000	1.00		0.00			1.00	44,330

CONSTRUCTION DETAIL				CONSTRUCTION DETAIL (CONTINUED)			
Element	Cd.	Ch.	Description	Element	Cd.	Ch.	Description
Style	79		Telephone Bldg				
Model	94		Commercial				
Grade	03		Average				
Stories	1.0						
Occupancy	0						
Exterior Wall 1	15		Concrete/mas				
Level From	01	01					
Level To	01	01					
Uncov Parking	0						
Perimeter	68						
Identical Units	1						
Efficiency	0						
1 Bedroom	0						
2 Bedroom	0						
3 Bedroom	0						
AC Type	03		Central				
Structure Type	720	720					
Bldg Use	304		Public Utility C				
Percent Finish	100						
Heating	07		Electr Basebrd				
Frame Type	02		Wood Frame				
Plumbing	00		None				
Local Modifier	2.75						
Partitions	00		None				
Wall Height	10						
Size	280						
MIXED USE				<i>Code</i>	<i>Description</i>		<i>Percentage</i>
				304	Public Utility C		100
COST/MARKET VALUATION							
Adj. Base Rate:				146.29			
AYB				1975			
Dep Code				A			
Remodel Rating							
Year Remodeled							
Dep %				27			
Functional Obslnc							
External Obslnc							
Cost Trend Factor							
Condition							
% Complete				73			
Overall % Cond				29,900			
Apprais Val				0			
Dep % Ovr				0			
Dep Ovr Comment							
Misc Imp Ovr				0			
Misc Imp Ovr Comment							
Cost to Cure Ovr				0			
Cost to Cure Ovr Comment							



OB-OUTBUILDING & YARD ITEMS(L) / XF-BUILDING EXTRA FEATURES(B)												
Code	Description	Sub	Sub Descript	L/B	Units	Unit Price	Yr	Gde	Dp Rt	Cnd	%Cnd	Apr Value
FN30	CHAIN LINK 6			L	120	16.90	1975				50	1,010
SH10	SHED FRAME			L	288	15.00	1990				70	3,020
FN30	CHAIN LINK 6			L	80	16.90	1990				70	950
FN40	CHAIN LINK 8			L	320	22.25	2002				70	4,980
PC30	PAVING CONC			L	1,296	6.81	2002				80	7,060

BUILDING SUB-AREA SUMMARY SECTION


Code	Description	Gross Area	Living Area	Eff. Area
BAS	First Floor	280	280	
Ttl. Gross Liv/Lease Area:		280	280	



ATTACHMENT 6



WILLIMANTIC
Certificate of Mailing — Firm

Name and Address of Sender Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	TOTAL NO. of Pieces Listed by Sender 3	TOTAL NO. of Pieces Received at Post Office™ 3	Affix Stamp Here <i>Postmark with Date of Receipt.</i> neopost® 08/04/2021 US POSTAGE \$002.89 ⁰  ZIP 06103 041L12203937
	Postmaster, per (name of receiving employee) J.P.		

USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	James Rivers, Town Manager Town of Windham 979 Main Street Windham, CT 06226				
2.	Matthew Vertefeuille, Director of Code Compliance Town of Windham 979 Main Street Windham, CT 06226				
3.	SBA Properties LLC 8051 Congress Avenue, 2nd Floor Boca Raton, FL 33487-1307				
4.					
5.					
6.					

