

KENNETH C. BALDWIN

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Also admitted in Massachusetts
and New York

June 9, 2022

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
68 Groton Long Point, Groton, 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 associated equipment on the ground near the base of the tower. The existing tower and Cellco’s use of the tower were approved by the Siting Council (“Council”) in November of 1996 (Docket No. 175). A copy of the Council’s Docket No. 175 Decision and Order is included in Attachment 1.

Cellco now intends to modify its facility by removing nine (9) existing antennas and installing three (3) new MT6407-77A antennas and six (6) MX06FRO660-03 antennas on its existing antenna platform. Cellco also intends to remove nine (9) remote radio heads (“RRHs”) and install six (6) new RRHs behind its antennas. A set of project plans showing Cellco’s proposed facility modifications and new antennas and RRH 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 Groton’s Chief Elected Official and Land Use Officer. The Town of Groton is the owner of the tower and Property.

Melanie A. Bachman, Esq.
June 9, 2022
Page 2

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. The replacement antennas will be installed on Cellco's existing antenna platform.
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 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 platform, with certain modifications, 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 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.
June 9, 2022
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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:

John Burt, Groton Town Manager

Jonathan Reiner, Director of Planning and Development Services

Alex Tyurin, Verizon Wireless

ATTACHMENT 1

DOCKET NO. 175 - An application of Cellco Partnership d/b/a Bell Atlantic NYNEX Mobile for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telecommunications facility at the Groton Police Department headquarters, Groton Long Point Road, Groton, Connecticut.

Connecticut Siting Council

November 21, 1996

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a cellular telecommunications tower at the proposed prime site in Groton, Connecticut, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Cellco Partnership d/b/a Bell Atlantic NYNEX Mobile (BANM) for the construction, operation, and maintenance of a cellular telecommunications tower and associated equipment at the proposed site, located within a 37.6-acre parcel at the Town of Groton Municipal Services Complex, Groton Long Point Road, Groton, Connecticut.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be constructed as proposed, no taller than necessary to provide the proposed communications service, sufficient to accommodate the antennas of Bell Atlantic Nynex Mobile, Springwich Cellular Limited Partnership and the Town of Groton, and not to exceed a height of 148 feet above ground level in accordance with Federal Aviation Administration recommendations.
2. The Certificate holder shall submit an erosion and sedimentation control plan as approved by the Town of Groton and consistent with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
3. The Certificate Holder shall provide notice to the Council two weeks prior the commencement of tower construction, the commencement of operation, and the transfer of ownership of the tower to the Town of Groton.
4. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
5. The Certificate Holder shall provide the Council a recalculated report or measurement of electromagnetic radio frequency power density after the Town of Groton completes their transfer of antennas to the 148-foot and 110-foot towers.

6. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

7. If the facility does not initially provide, or permanently ceases to provide cellular services following completion of construction, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapplication for any continued or new use shall be made to the Council before any such use is made.

8. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the effective date of this Decision and Order or within three years after all appeals to this Decision and Order have been resolved.

9. The Certificate Holder shall notify the Council upon completion of construction and provide the final cost to construct the facility.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The New London Day.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:

APPLICANT

Cellco Partnership d/b/a

ITS REPRESENTATIVE

Kenneth C. Baldwin, Esq.
Brian C. S. Freeman, Esq.
Bell Atlantic NYNEX Mobile
Robinson & Cole
One Commercial Plaza
Hartford, CT 06103-3597

Mr. David S. Malko, P.E.
Jennifer Young Gaudet, Manager - Regulatory
Bell Atlantic NYNEX Mobile
20 Alexander Drive
Wallingford, CT 06492

INTERVENOR

Springwich Cellular Limited Partnership

ITS REPRESENTATIVE

Peter J. Tyrrell, Esq.
Springwich Cellular Limited Partnership
500 Enterprise Drive
Rocky Hill, CT 06067-3900

ATTACHMENT 2

verizon

WIRELESS COMMUNICATIONS FACILITY

GROTON CT
68 GROTON LONG POINT
GROTON, CT 06340

SITE DIRECTIONS

START: 20 ALEXANDER DRIVE
WALLINGFORD, CONNECTICUT 06492

END: 68 GROTON LONG POINT
GROTON, CT 06340

1. HEAD SOUTH TOWARDS ALEXANDER DRIVE 279 FT
2. SLIGHT RIGHT TOWARDS ALEXANDER DRIVE 289 FT
3. TURN RIGHT TOWARDS ALEXANDER DRIVE 167 FT
4. TURN RIGHT ONTO ALEXANDER DRIVE 0.3 MI
5. TURN RIGHT ONTO BARNES INDUSTRIAL RD S. 0.1 MI
6. TURN RIGHT ONTO CT-88 E. 1.9 MI
7. CONTINUE STRAIGHT TO STAY ON CT-88 E 5.3 MI
8. TURN LEFT ONTO CT-17 N/MAIN STREET 4.0 MI
9. MERGE ONTO CT-15 S 47.5 MI
10. TURN RIGHT ONTO RANDOLPH ROAD 2.1 MI
11. TURN RIGHT TO MERGE ONTO CT-9 S TOWARD OLD SAYBROOK 0.4 MI
12. MERGE ONTO CT-9 S 20.4 MI
13. USE THE LEFT 2 LANES TO MERGE ONTO I-95 N/US-1 N TOWARD NEW LONDON/PROVIDENCE 10.6 MI
14. KEEP RIGHT AT THE FORK TO STAY ON I-95 N, FOLLOW SIGNS FOR NEW LONDON/PROVIDENCE 6.6 MI
15. KEEP RIGHT TO STAY ON I-95 N 2.1 MI
16. TAKE EXIT 88 FOR CT-117 TOWARD NOANK/GROTON LONG POINT 0.3 MI
17. FOLLOW CT-117 S AND FORT HILL ROAD TO YOUR DESTINATION 2.1 MI



LOCATION MAP
SCALE: 1" = 2000'

SITE INFORMATION

VZ SITE NAME: GROTON CT
VZ PROJ FUZE I.D.: 16242098
VZ LOCATION CODE: 489431
VZ PROJECT CODE: 20212248574
LOCATION: 68 GROTON LONG POINT
GROTON, CT 06340

PROJECT SCOPE: REFER TO NOTES ON DRAWING C-1 FOR SCOPE OF WORK.

PROPERTY I.D. 260810364571

ZONING DISTRICT: RS-20 (SINGLE FAMILY)

LATITUDE: 41° 20' 36.8016" N (41.343556° N)

LONGITUDE: 72° 00' 34.8012" W (72.009667° W)

SITE COORDINATES AND GROUND ELEVATION
OBTAINED FROM VERIZON RFDS & GOOGLE EARTH

GROUND ELEVATION: 170± AMSL

PROPERTY OWNER: TOWN OF GROTON
POLICE/PUBLIC WORKS/ TOWN HALL ANEX COMPLEX
GROTON, CT 06340

APPLICANT: CELCO PARTNERSHIP
d/b/a VERIZON WIRELESS
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

LEGAL/REGULATORY COUNSEL: ROBINSON & COLE, LLP
KENNETH C. BALDWIN, ESQ.
280 TRUMBULL STREET
HARTFORD, CT 06103

ENGINEER CONTACT: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385
(860) 663-1697

VERIZON SMART TOOL PROJECT # 10058986; 10129647

Cellco Partnership d/b/a

verizon

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

ALL-POINTS
TECHNOLOGY CORPORATION

567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385 PHONE: (860) 663-1697
WWW.ALLPOINTS TECH.COM FAX: (860) 663-0806

CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
0	10/04/21	FOR REVIEW -JRM
1	01/05/22	FOR FILING -JRM
2	03/29/22	FOR FILING -JRM
3	04/29/22	REV SHEET B-1 FOR FILING -JRM
4		
5		



DESIGN PROFESSIONALS OF RECORD

PROF: MICHAEL S. TRODDEN P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT.
SUITE 311
WATERFORD, CT 06385

OWNER: TOWN OF GROTON
ADDRESS: POLICE/PUBLIC WORKS/ TOWN HALL ANEX COMPLEX
GROTON, CT 06340

GROTON CT

SITE: 68 GROTON LONG POINT

ADDRESS: GROTON, CT 06340

APT FILING NUMBER: CT141_12700

DRAWN BY: JRM

DATE: 10/04/21 CHECKED BY: JRM

VZW PROJECT CODE: 489431

VZW LOCATION CODE: 20212248574

VZW FUZE ID: 16242098

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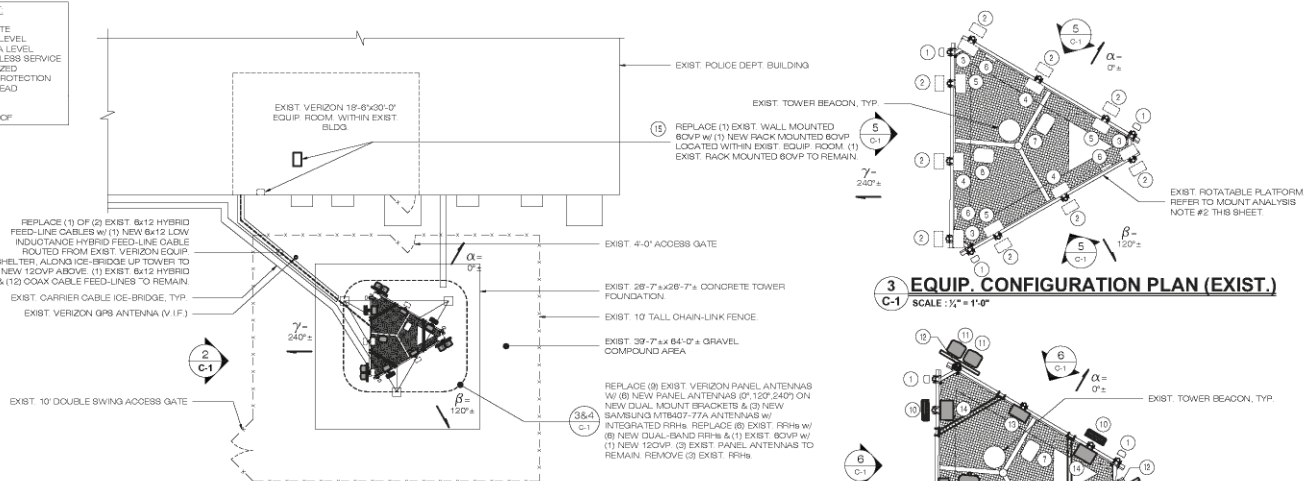
TITLE SHEET

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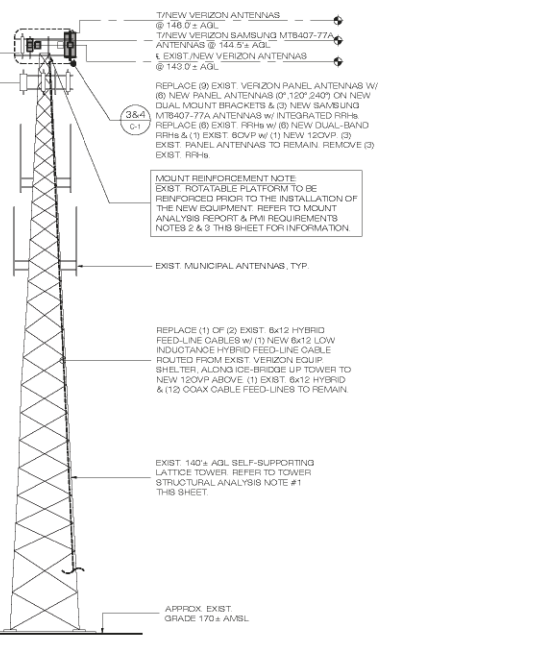
T-1

GENERAL ABBREVIATION LIST

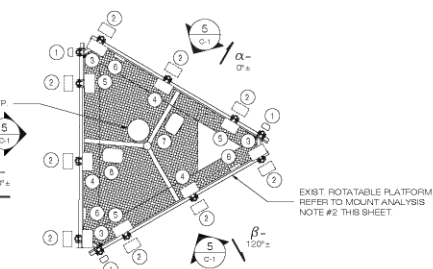
- ABP ABOVE BASE PLATE
- AGL ABOVE GROUND LEVEL
- AMSL ABOVE MEAN SEA LEVEL
- AWS ADVANCED WIRELESS SERVICE
- HDG HOT DIP GALVANIZED
- OVP OVER VOLTAGE PROTECTION
- RSH REMOTE RADIO HEAD
- V I F VERIFY IN FIELD
- W P WORK POINT
- A F R ABOVE FINISH ROOF



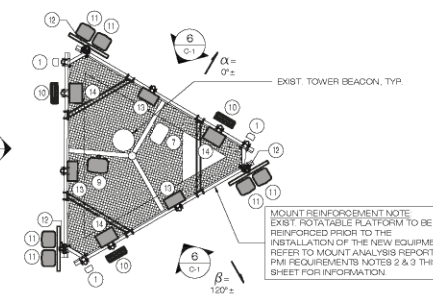
1 **COMPOUND PLAN**
C-1 SCALE: 1" = 10'-0"



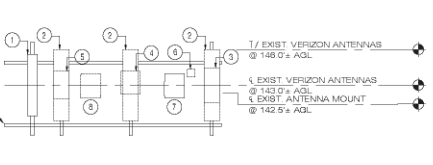
2 **TOWER ELEVATION**
C-1 SCALE: 1" = 20'-0"



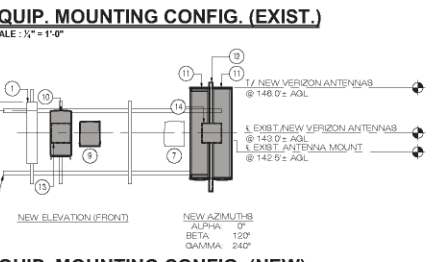
3 **EQUIP. CONFIGURATION PLAN (EXIST.)**
C-1 SCALE: 1" = 1'-0"



4 **EQUIP. CONFIGURATION PLAN (NEW)**
C-1 SCALE: 1" = 1'-0"



5 **EQUIP. MOUNTING CONFIG. (EXIST.)**
C-1 SCALE: 1" = 1'-0"



6 **EQUIP. MOUNTING CONFIG. (NEW)**
C-1 SCALE: 1" = 1'-0"

NOTES

1. REFER TO TOWER'S STRUCTURAL ANALYSIS REPORT BY ALL-POINTS TECHNOLOGY CORPORATION, P.C. MARKED REV DATED 03/28/22 AVAILABLE UNDER SEPARATE COVER.
2. REFER TO MOUNT ANALYSIS REPORT PREPARED BY MASER CONSULTING, CONNECTICUT, PROJECT #2177774A MARKED REV 1, DATED 01/28/22 AVAILABLE UNDER SEPARATE COVER.
3. REFER TO POST HOC MOUNT ANALYSIS REPORT, PMI REQUIREMENTS & MOUNT MODIFICATION DESIGN DRAWINGS PREPARED BY MASER CONSULTING, CONNECTICUT, PROJECT #2177774A MARKED REV DATED 03/18/22 AVAILABLE UNDER SEPARATE COVER.
4. BASE MAPPING OBTAINED FROM FIELD MEASUREMENTS CONDUCTED BY ALL-POINTS TECHNOLOGY CORPORATION, P.C. ON 08/27/21 & 08/19/21.
5. PROJECT SCOPE INCLUDES THE FOLLOWING:
 - REPLACEMENT OF (8) EXIST. PANEL ANTENNAS w/ (8) NEW PANEL ANTENNAS ON NEW DUAL-MOUNT BRACKETS (LMA 91900014-02)
 - REPLACEMENT OF (2) EXIST. PANEL ANTENNAS w/ (2) NEW SAMSUNG MT8407-77A ANTENNAS w/ INTEGRATED RRHs.
 - REPLACEMENT OF (8) EXIST. RRHs w/ (8) NEW DUAL-BAND RRHs
 - REPLACEMENT OF (1) EXIST. BOVP w/ (1) NEW 120VP
 - REPLACEMENT OF (1) EXIST. 8x12 HYBRID FEED-LINE CABLE w/ (1) NEW 8x12 LOW INDUCTANCE HYBRID FEED-LINE CABLE
 - REPLACEMENT OF (1) EXIST. WALL MOUNTED BOVP w/ (1) NEW RACK MOUNTED BOVP LOCATED WITHIN EXIST. VERIZON EQUIP. ROOM
 - REMOVAL OF (2) EXIST. RRHs & (2) EXIST. DIPLEXERS

6. ALL EXPOSED STEEL AND HARDWARE TO BE HOT DIP GALV. (HDC); PAINT TO MATCH EXIST. (WHERE APPLICABLE)
7. CAP & WEATHERPROOF ALL UN-USED CABLE ENTRY PORTS (WHERE APPLICABLE)
8. MOUNT & GROUND ALL NEW EQUIPMENT IN ACCORDANCE WITH NEC (NFPA-70E, NESC AND MANUFACTURERS SPECIFICATION)
9. SECURE ALL NEW ANTENNA CABLES PER MANUFACTURER RECOMMENDATIONS
10. BOND NEW ANTENNA MOUNTING PIPES TO ANTENNA SECTOR GROUND BAR w/ #2 AWG. BOND, (WHERE APPLICABLE)
11. CONTRACTOR SHALL INSTALL NEW SIDE-BY-SIDE & DUAL-MOUNT BRACKETS PER ANTENNA MOUNT MANUFACTURERS RECOMMENDATIONS, INCLUDING VERIFICATION OF MINIMUM PIPE MAST DIAMETER REQUIRED TO INSTALL NEW MOUNT BRACKETS. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD SHOULD EXIST. PIPE MASTS REQUIRE REPLACEMENT TO SUPPORT THE NEW MOUNT BRACKETS.
12. ANTENNA CONFIGURATIONS SHOWN HEREIN ARE FRONT ELEVATIONS
13. ANTENNA SPACING DIMENSIONS ARE TO THE CENTER OF THE EXIST. ANTENNA AND PROP. ANTENNA FACE
14. REFER TO THE FINAL RFDS PROVIDED BY VERIZON FOR THE LATEST INFORMATION REGARDING EQUIPMENT MODELS, REQUIRED CABLES & DOWN-TILT INFORMATION.
15. PAINT ALL EXPOSED LUBO8 ANTENNAS TO MATCH EXISTING STRUCTURE (WHERE APPLICABLE). COORDINATE W/ LUBO8 MANUFACTURER INSTALLATION MANUAL, REQUIREMENTS, VERIZON CONSTRUCTION MANAGER & OWNER.
16. PAINT ALL EXPOSED NEW NON LUBO8 ANTENNAS & APPURTENANCES TO MATCH EXIST. STRUCTURE (WHERE APPLICABLE) COORDINATE W/ VERIZON CONSTRUCTION MANAGER & BUILDING OWNER.

SCOPE OF WORK (ALL SECTORS)

1. EXIST. ANTENNA (TO REMAIN)
MODEL: ANTEL 85A-80090-40P
2. EXIST. ANTENNA (TO BE REPLACED)
MODEL: ANDREW 58N-H-1D65B
3. EXIST. FRH (TO BE REPLACED)
MODEL: NOKIA B13 RRH 4x30-700
4. EXIST. FRH (TO BE REMOVED)
MODEL: NOKIA B13 RRH 4x30-1900
5. EXIST. DIPLEXER (TO BE REMOVED)
MODEL: UNKNOWN
6. EXIST. 8 OVP/AS PLACE HOLDER
MODEL: RAYCAP RRFDC3315-PF-48 (V I F)
7. EXIST. 8 OVP (TO BE REPLACED)
MODEL: RAYCAP RRFDC3315-PF-48 (V I F)
8. EXIST. 8 OVP (TO BE REPLACED)
MODEL: RAYCAP RY200-8627-PF-48
9. NEW ANTENNA
MODEL: SAMSUNG MT8407-77A
10. NEW ANTENNA
MODEL: JMA MX08FR0680-03 MOUNTED VIA NEW SIDE BY SIDE MOUNT BRACKETS (LMA 91900014-02)
11. NEW P2.5 STD x 72' LG. ANTENNA PIPE MAST (GALV.) UTILIZE NEW PIPE TO RAIL HARDWARE
12. NEW DUAL BAND RRH
MODEL: SAMSUNG B1385 RRH (RF4440d-13A)
13. NEW DUAL BAND RRH
MODEL: SAMSUNG D86B2A RRH (RF4439d-25A)
14. REMOVE (1) EXIST. WALL MOUNTED BOVP FROM WITHIN EXIST. VERIZON EQUIP. SHELTER
MODEL: RAYCAP RRFDC3315-PF-48 (V I F)

Celco Partnership d/b/a



20 ALEXANDER DRIVE
WALLINGFORD, CT 06495



587 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385
WWW.ALLPOINTS.TECH.COM FAX: (860) 463-0026

CONSTRUCTION DOCUMENTS

NO.	DATE	REVISION
0	10/04/21	FOR REVIEW - JRM
1	01/05/22	FOR FILING - JRM
2	03/28/22	FOR FILING - JRM
3	04/28/22	REV SHEET-B-1
4		FOR FILING - JRM
5		



DESIGN PROFESSIONALS OF RECORD

PROF. MICHAEL S. TRODDEN, P.E.
COMP. ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADDRESS: 587 VAUXHALL STREET EXT. SUITE 311
WATERFORD, CT 06385

OWNER: TOWN OF GROTON
ADDRESS: POLICE/PUBLIC WORKS/ TOWN HALL ANEX COMPLEX
GROTON, CT 06340

GROTON CT

SITE: 68 GROTON LONG POINT
ADDRESS: GROTON, CT 06340
APT FILING NUMBER: C141_12700
DRAWN BY: DRA
DATE: 10/04/21 CHECKED BY: JRM
VZV PROJECT CODE: 488431
VZV LOCATION CODE: 20212248574
VZV FUZE ID: 16242098

SHEET TITLE:

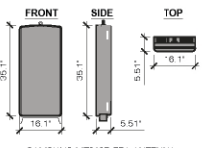
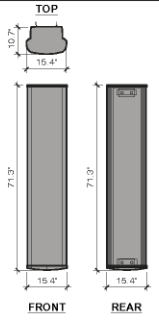
COMPOUND PLAN, TOWER ELEVATION, EQUIPMENT CONFIG. PLANS & ELEVATIONS

SHEET NUMBER:

C-1

EQUIPMENT DATA									
EQUIPMENT SPECIFICATIONS									
SECTOR	ANTENNA MAKE/MODEL	QTY	AZIMUTH	EQUIPMENT STATUS	HEIGHT (IN)	WIDTH (IN)	DEPTH (IN)	WEIGHT (LBS)	
ALPHA	700/850/1900/2100 JVA MX08FR0680-3	1	0°	NEW	71.3	15.4	10.7	80.0 ⁽¹⁾	
	700/850/1900/2100 JVA MX08FR0680-3	1	0°	NEW	71.3	15.4	10.7	80.0 ⁽¹⁾	
	SAMSUNG MTB407-77A	1	0°	NEW	35.1 ⁽²⁾	18.4 ⁽³⁾	5.5 ⁽⁴⁾	87.0 ⁽⁵⁾	
BETA	850 AMPHENOL BKA-80080-4CP	1	0°	ETR	48.2	11.2	5.9	14.3 ⁽⁶⁾	
	700/850/1900/2100 JVA MX08FR0680-3	1	120°	NEW	71.3	15.4	10.7	80.0 ⁽¹⁾	
	700/850/1900/2100 JVA MX08FR0680-3	1	120°	NEW	71.3	15.4	10.7	80.0 ⁽¹⁾	
GAMMA	SAMSUNG MTB407-77A	1	240°	NEW	35.1 ⁽²⁾	18.4 ⁽³⁾	5.5 ⁽⁴⁾	87.0 ⁽⁵⁾	
	850 AMPHENOL BKA-80080-4CP	1	120°	ETR	48.2	11.2	5.9	14.3 ⁽⁶⁾	
	700/850/1900/2100 JVA MX08FR0680-3	1	240°	NEW	71.3	15.4	10.7	80.0 ⁽¹⁾	
	APPURTENANCE MAKE/MODEL								
	SAMSUNG B2/B06A RRH (RF44393-25A)	3	-	NEW	14.9	14.9	10.04	97.5	
	SAMSUNG B5/B13 RRH (RF44309-13A)	3	-	NEW	14.9	14.9	8.14	82.0	
	RAYCAP RRFDC-3315-RF-48 (V.I.F.)	1	-	ETR	28.9	15.73	10.25	32.0	
	RAYCAP RVZDC-6827-RF-48	1	-	NEW	29.5	16.5	12.6	32.0	

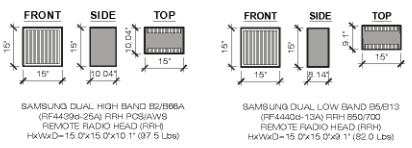
- (1) ETR DENOTES EXIST TO REMAIN
- (2) WEIGHT WITHOUT MOUNTING BRACKET
- (3) ANTENNA DATA IS BASED ON LATEST VERIZON RFDS
- (4) EQUIPMENT CONFIGURATION INDICATED ABOVE AS VIEWED FROM BEHIND
- (5) NOT TO EXCEED



SAMSUNG MTB407-77A ANTENNA
HWWD=35.1x18.4x5.5"
WT=87.1 Lbs
(NOT TO EXCEED)

2 NEW ANTENNA DETAILS
B-1 SCALE: 1/2" = 1'-0"

3 NEW ANTENNA DETAIL
B-1 SCALE: 1/2" = 1'-0"

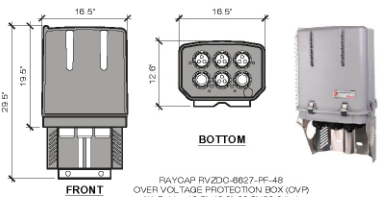


SAMSUNG DUAL HIGH BAND B5/B6A (RF44393-25A) RRH PCB/AWS/R8 REMOTE RADIO HEAD (RRH) HWWD=15.0x15.0x10.1" (87.5 Lbs)

SAMSUNG DUAL LOW BAND B5/B13 (RF44309-13A) RRH B50/700 REMOTE RADIO HEAD (RRH) HWWD=15.0x15.0x10.1" (82.0 Lbs)

NOTE: WEIGHTS INCLUDE SOLAR SHIELD & MOUNTING BRACKET

4 NEW RRH EQUIPMENT DETAILS
B-1 SCALE: 1/2" = 1'-0"

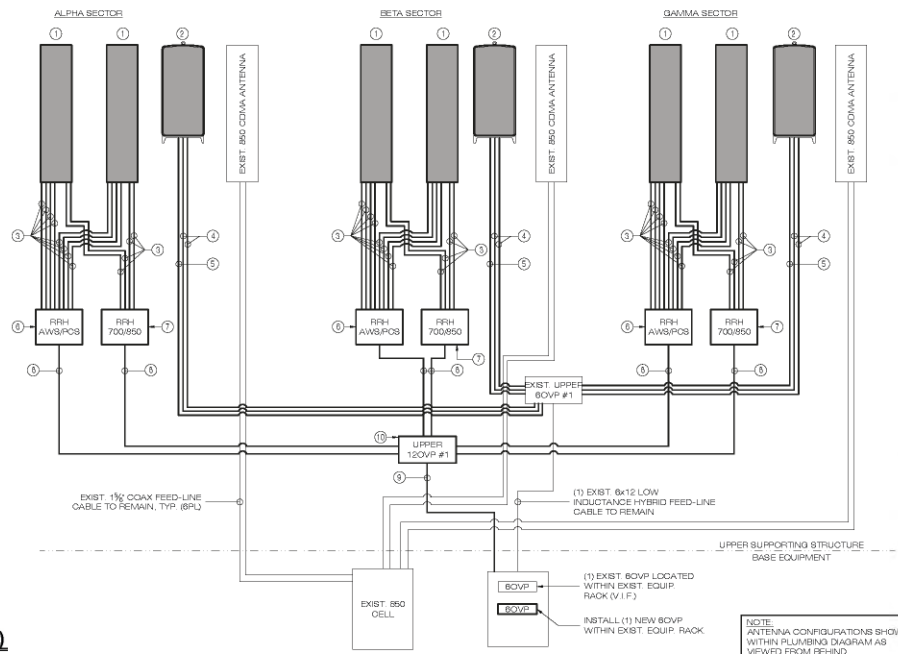


RAYCAP RVZDC-6827-RF-48 OVER VOLTAGE PROTECTION BOX (OVP)
HWWD=16.5x12.6x29.5" (32.0 lbs)

5 OVER VOLTAGE PROTECTION BOX (OVP)
B-1 SCALE: 1" = 1'-0"

BILL OF MATERIALS				
DESCRIPTION	QUANTITY	LENGTH	COMMENTS	
① 700/850/1900/2100	6		JVA MX08FR0680-3) MOUNTED TO PIPE MAST VIA NEW SIDE BY SIDE MOUNT BRACKETS (JVA 01900314-02)	
② SUBS ANTENNA W/ INTEGRATED RRH	3		SAMSUNG MTB407-77A	
③ 1/2" JUMPER CABLE	38	15 FT	ROUTE FROM RRH TO ANTENNAS	
④ ANTENNA LINK CABLES	6	15 M	ROUTE FROM UPPER OVP TO ANTENNAS	
⑤ ANTENNA POWER CABLES	3	15 M	PROPRIETARY POWER CABLE FROM UPPER OVP TO ANTENNAS	
⑥ AWS/PCS RRH	3		SAMSUNG B5/B13 RRH (RF44309-13A) MOUNTED TO EXIST PIPE MAST	
⑦ 700/850 RRH	3		SAMSUNG B2/B6A RRH (RF44393-25A) MOUNTED TO EXIST PIPE MAST	
⑧ RRH CABLES	6	15M	PROPRIETARY POWER & FIBER CABLES	
⑨ HYBRID CABLE	1	210± FT	6x12 LOW INDUCTANCE HYBRID FEED-LINE CABLE ROUTED FROM LOWER OVP TO UPPER OVP 1	
⑩ UPPER 12OVP	1		(RAYCAP RVZDC-6827-RF-48)	
⑪ LOWER BOVP	1		RACK MOUNTED IN EXIST EQUIPMENT RACK	

- NOTES:
- INFORMATION SHOWN HEREON IS FOR USE BY VERIZON EQUIPMENT OPERATIONS
 - INFORMATION IS BASED ON LATEST VERIZON RFDS
 - 1 DENOTES EQUIPMENT DESIGNATED FOR LEASING ONLY (WHERE APPLICABLE)
 - INSTALL ALARM BOARDS AT ALL OVPS WHERE REQUIRED. COORDINATE W/ VERIZON EQUIPMENT ENGINEERING
 - INSTALL UP-CONVERTERS LOCATED AT BASE OVPS WHERE REQUIRED. COORDINATE W/ VERIZON EQUIPMENT ENGINEERING AS NECESSARY
 - COORDINATE ANTENNA CABLE REQUIREMENTS WITH VERIZON ENGINEERING
 - CONTRACTOR SHALL INSTALL NEW SIDE-BY-SIDE & DUAL-MOUNT BRACKETS PER ANTENNA MOUNT MANUFACTURER RECOMMENDATIONS, INCLUDING VERIFICATION OF MINIMUM PIPE MAST DIAMETER REQUIRED TO INSTALL NEW MOUNT BRACKETS. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD SHOULD EXIST PIPE MAST REQUIRE REPLACEMENT TO SUPPORT THE NEW MOUNT BRACKETS.



1 PLUMBING DIAGRAM
B-1 SCALE: N.T.S.

NOTE: ANTENNA CONFIGURATIONS SHOWN WITHIN PLUMBING DIAGRAM AS VIEWED FROM BEHIND

Cellco Partnership d/b/a



20 ALEXANDER DRIVE
WALLINGFORD, CT 06495



587 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06395 PHONE: (860) 463-1607
WWW.ALLPOINTS.TECH.COM FAX: (860) 463-0505

CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
0	10/04/21	FOR REVIEW -JRM
1	01/05/22	FOR FILING -JRM
2	03/28/22	FOR FILING -JRM
3	04/29/22	REV SHEET B-1 FOR FILING -JRM
4		
5		



DESIGN PROFESSIONALS OF RECORD

PROF: MICHAEL S. TRODDEN P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 587 VAUXHALL STREET EXT. SUITE 311
WATERFORD, CT 06395

OWNER: TOWN OF GROTON
ADDRESS: POLICE/PUBLIC WORKS/ TOWN HALL ANEX COMPLEX
GROTON, CT 06340

GROTON CT

SITE: 68 GROTON LONG POINT
ADDRESS: GROTON, CT 06340
APT FILING NUMBER: CT141_12700
DRAWN BY: JRM
DATE: 10/04/21 CHECKED BY: JRM
VZW PROJECT CODE: 488431
VZW LOCATION CODE: 20212248574
VZW FUZE ID: 16242088

SHEET TITLE:
RF BILL OF MATERIALS, MECHANICAL SPECIFICATIONS & EQUIPMENT DETAILS

SHEET NUMBER:

B-1

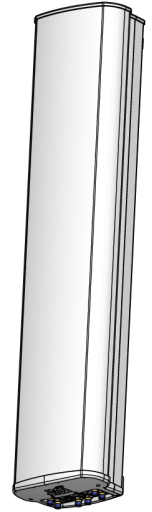
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

X-Pol Hex-Port 6 ft 60° Fast Roll Off antenna with independent tilt on 700 & 850 MHz:

2 ports 698-798, 824-894 MHz and 4 ports 1695-2180 MHz

- Fast Roll Off (FRO™) azimuth beam pattern improves Intra- and Inter-cell SINR
- Compatible with dual band 700/850 MHz radios with independent low band EDT without external diplexers
- Fully integrated (iRETs) with independent RET control for low and high bands for ease of network optimization
- SON-Ready array spacing supports beamforming capabilities
- Suitable for LTE/CDMA/PCS/UMTS/GSM air interface technologies
- Integrated Smart Bias-Ts reduce leasing costs



NWAV™

Fast Roll-Off antennas increase data throughput without compromising coverage

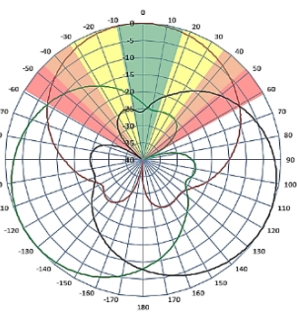
The horizontal beam produced by Fast Roll-Off (FRO) technology increases the Signal to Interference & Noise Ratio (SINR) by eliminating overlap between sectors.

Non-FRO antenna

Large traditional antenna pattern overlap creates harmful interference.

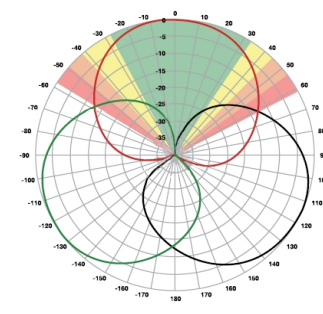
JMA's FRO antenna pattern minimizes overlap, thereby minimizing interference.

JMA FRO antenna



LTE throughput	SINR	Speed (bps/Hz)	Speed increase	CQI
Excellent	>18	>4.5	333+%	8-10
Good	15-18	3.3-4.5	277%	6-7
Fair	10-15	2-3.3	160%	4-6
Poor	<10	<2	0%	1-3

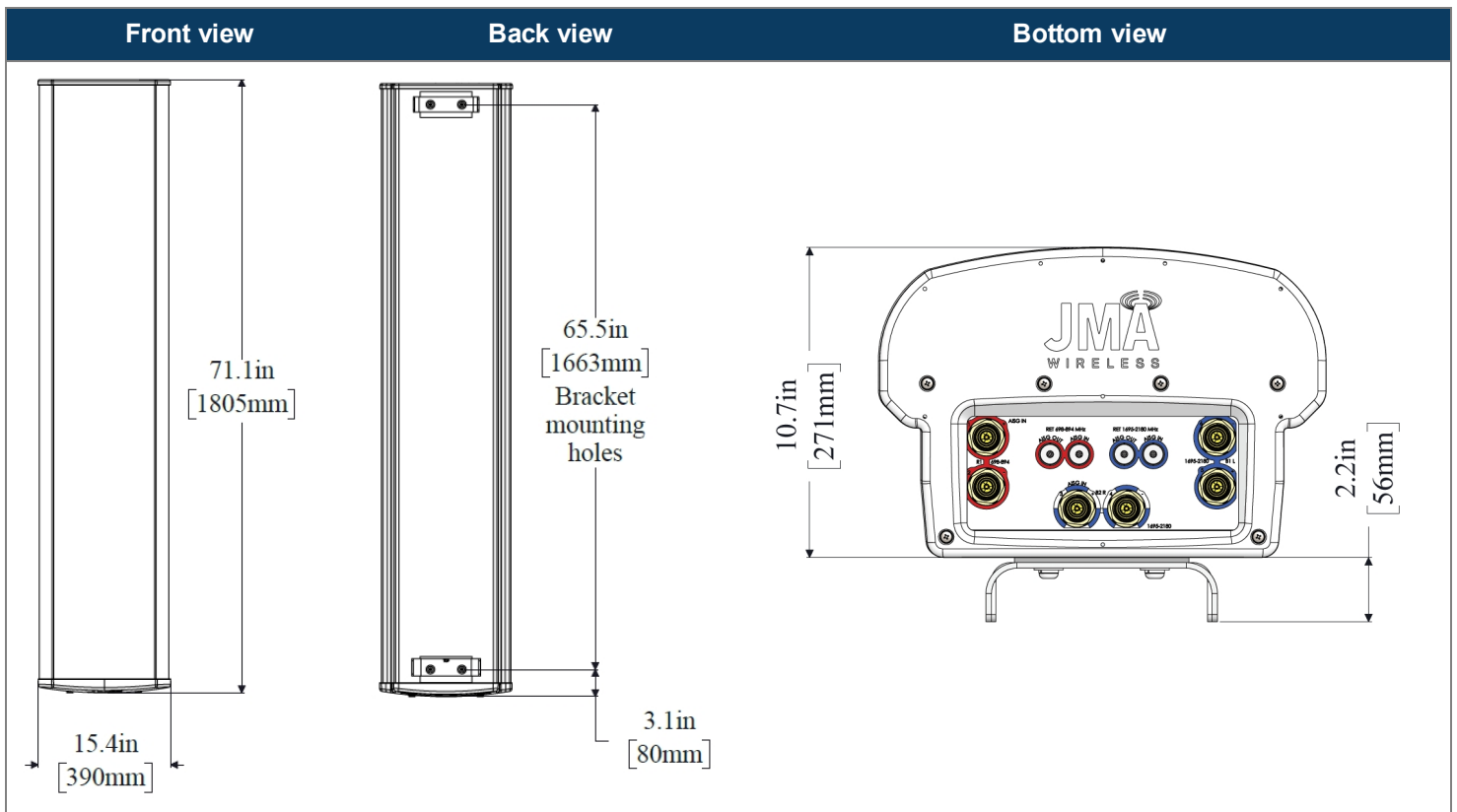
The LTE radio automatically selects the best throughput based on measured SINR.



Electrical specification (minimum/maximum)	Ports 1, 2		Ports 3, 4, 5, 6		
	Frequency bands, MHz	698-798	824-894	1695-1880	1850-1990
Polarization	± 45°		± 45°		
Average gain over all tilts, dBi	14.4	14.0	17.6	18.0	18.2
Horizontal beamwidth (HBW), degrees	60.5	53.0	55.0	55.0	55.5
Front-to-back ratio, co-polar power @180°± 30°, dB	>24	>24.0	>25.0	>25.0	>25.0
X-Pol discrimination (CPR) at boresight, dB	>15.0	>14.2	>18	>18	>15
Sector power ratio, percent	<3.5	<3.0	<3.7	<3.8	<3.6
Vertical beamwidth (VBW), degrees ¹	13.1	11.8	6.0	5.5	5.5
Electrical downtilt (EDT) range, degrees	2-14	2-14	0-9		
First upper side lobe (USLS) suppression, dB ¹	≤-15.0	≤-16.5	≤-16.0	≤-16.0	≤-16.0
Cross-polar isolation, port-to-port, dB ¹	25	25	25	25	25
Max VSWR / return loss, dB	1.5:1 / -14.0		1.5:1 / -14.0		
Max passive intermodulation (PIM), 2x20W carrier, dBc	-153		-153		
Max input power per any port, watts	300		250		
Total composite power all ports, watts	1500				

¹ Typical value over frequency and tilt

Mechanical specifications	
Dimensions height/width/depth, inches (mm)	71.3/ 15.4/ 10.7 (1811/ 392/ 273)
Shipping dimensions length/width/height, inches (mm)	82/ 20/ 15 (2083/ 508/ 381)
No. of RF input ports, connector type, and location	6 x 4.3-10 female, bottom
RF connector torque	96 lbf-in (10.85 N·m or 8 lbf-ft)
Net antenna weight, lb (kg)	60 (27.0)
Shipping weight, lb (kg)	90 (41.0)
Antenna mounting and downtilt kit included with antenna	91900318
Net weight of the mounting and downtilt kit, lb (kg)	18 (8.18)
Range of mechanical up/down tilt	-2° to 14°
Rated wind survival speed, mph (km/h)	150 (241)
Frontal, lateral, and rear wind loading @ 150 km/h, lbf (N)	154 (685), 73 (325), 158 (703)
Equivalent flat plate @ 100 mph and Cd=2, sq ft	2.6



Ordering information	
Antenna model	Description
MX06FRO660-03	6F X-Pol HEX FRO 60° independent tilt 700/850 RET, 4.3-10 & SBT
Optional accessories	
AISG cables	M/F cables for AISG connections
PCU-1000 RET controller	Stand-alone controller for RET control and configurations

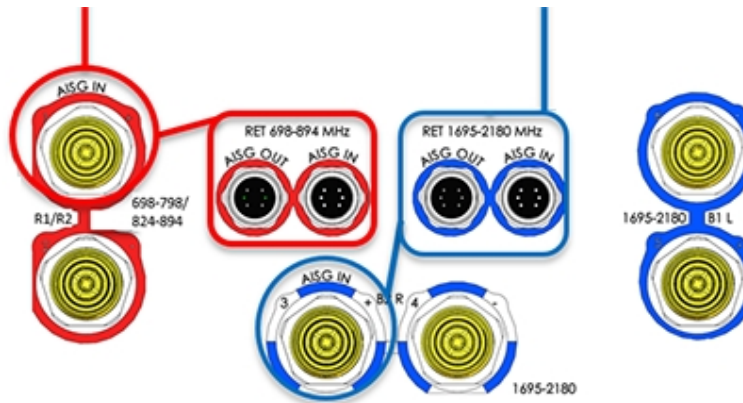
Remote electrical tilt (RET 1000) information	
RET location	Integrated into antenna
RET interface connector type	8-pin AISG connector per IEC 60130-9
RET connector torque	Min 0.5 N·m to max 1.0 N·m (hand pressure & finger tight)
RET interface connector quantity	2 pairs of AISG male/female connectors
RET interface connector location	Bottom of the antenna
Total no. of internal RETs (low bands)	2
Total no. of internal RETs (high bands)	1
RET input operating voltage, vdc	10-30
RET max power consumption, idle state, W	≤ 2.0
RET max power consumption, normal operating conditions, W	≤ 13.0
RET communication protocol	AISG 2.0 / 3GPP

RET and RF connector topology

Each RET device can be controlled either via the designated external AISG connector or RF port as shown below:

RET device	Band	RF port
R1	698-798	1-2
R2	824-894	1-2

RET device	Band	RF port
B1/B2	1695-2180	3-6



Array topology

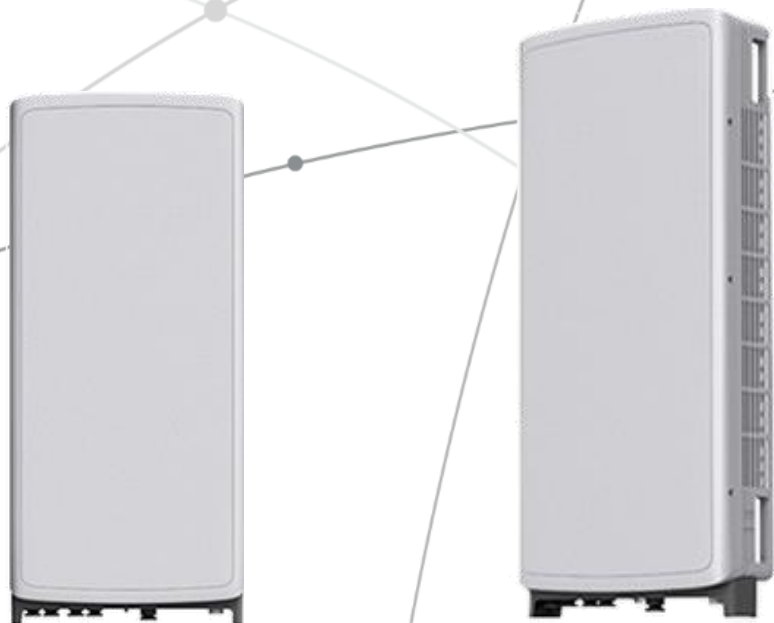
3 sets of radiating arrays R1/R2: 698-894 MHz B1: 1695-2180 MHz B2: 1695-2180 MHz	<table border="1"> <thead> <tr> <th>Band</th> <th>RF port</th> </tr> </thead> <tbody> <tr> <td>1695-2180</td> <td>3-4</td> </tr> <tr> <td>698-894</td> <td>1-2</td> </tr> <tr> <td>1695-2180</td> <td>5-6</td> </tr> </tbody> </table>	Band	RF port	1695-2180	3-4	698-894	1-2	1695-2180	5-6	
	Band	RF port								
1695-2180	3-4									
698-894	1-2									
1695-2180	5-6									

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



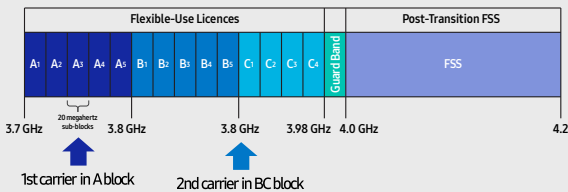
Points of Differentiation

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

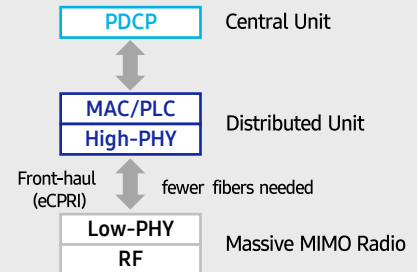
C-Band spectrum supported by Massive MIMO Radio



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.

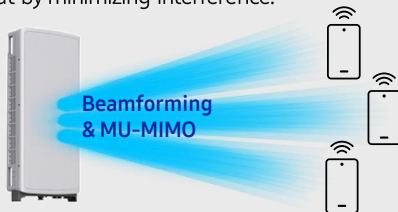


Enhanced Performance

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.

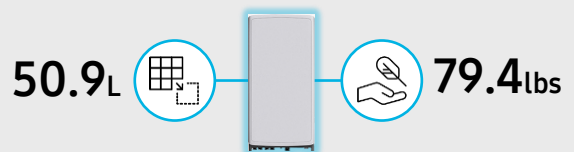
Furthermore, as C-Band massive MIMO Radio supports MU-MIMO (Multi-user MIMO), it enables to increase user throughput by minimizing interference.



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



About Samsung Electronics Co., Ltd.

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.

129 Samsung-ro, Yeongtong-gu, Suwon-si Gyeonggi-do, Korea

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SAMSUNG

700/850MHZ MACRO RADIO

DUAL-BAND AND HIGH POWER
FOR MACRO COVERAGE

Samsung's future proof dual-band radio is designed to help effectively increase the coverage areas in wireless networks. This 700/850MHz 4T4R dual-band radio has 4Tx/4Rx to 2Tx/2Rx RF chains options and a total output power of 320W, making it ideal for macro sites.

Model Code RF4440d-13A



Homepage
[samsungnetworks.com](https://www.samsungnetworks.com)

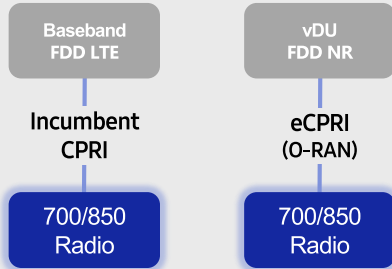


Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

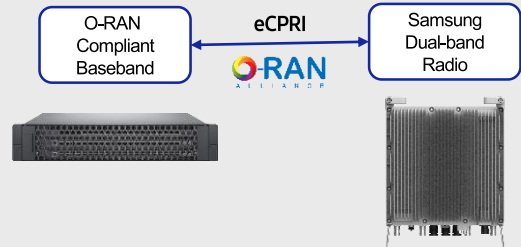
Samsung's 700/850MHz macro radio can support each incumbent CPRI interface as well as an advanced eCPRI interface. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

A standardized O-RAN radio can help when implementing cost-effective networks because it is capable of sending more data without compromising additional investments.

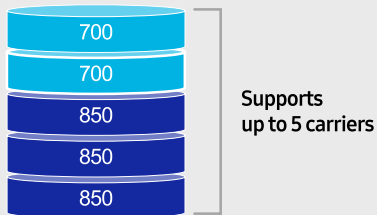
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

The number of required carriers varies according to site (region). The ability to support many carriers is essential for using all frequencies that the operator has available.

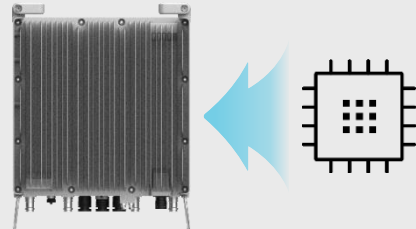
The new 700/850MHz dual-band radio can support up to 2 carriers in the B13 (700MHz) band and 3 carriers in the B5 (850MHz) band, respectively.



Secured Integrity

Access to sensitive data is allowed only to authorized software.

The Samsung radio's CPU can protect root of trust, which is credential information to verify SW integrity, and secure storage provides access control to sensitive data by using dedicated hardware (TPM).



Technical Specifications

Item	Specification
Tech	LTE / NR
Brand	B13(700MHz), B5(850MHz)
Frequency Band	DL: 746 – 756MHz, UL: 777 – 787MHz DL: 869 – 894MHz, UL: 824 – 849MHz
RF Power	(B13) 4 × 40W or 2 × 60W (B5) 4 × 40W or 2 × 60W
IBW/OBW	(B13) 10MHz / 10MHz (B5) 25MHz / 25MHz
Installation	Pole, Wall
Size/Weight	14.96 x 14.96 x 9.05inch (33.2L) / 70.33 lb

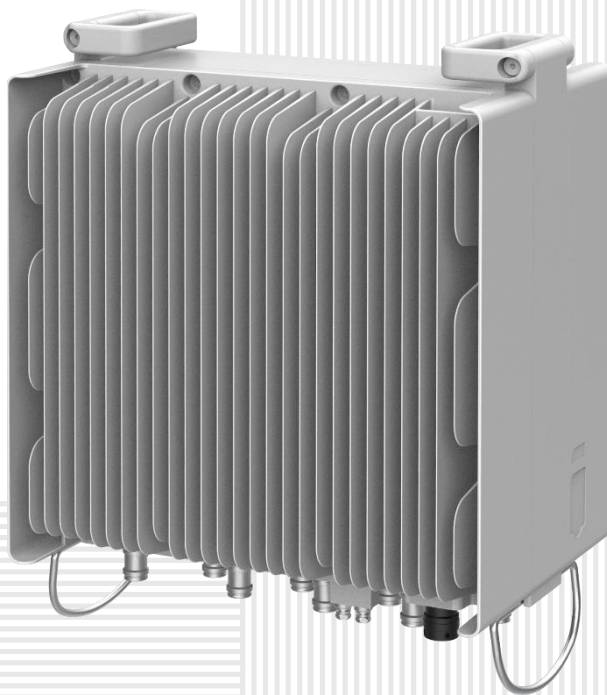
SAMSUNG

AWS/PCS MACRO RADIO

DUAL-BAND AND HIGH POWER
FOR MACRO COVERAGE

Samsung's future proof dual-band radio is designed to help effectively increase the coverage areas in wireless networks. This AWS/PCS 4T4R dual-band radio has 4Tx/4Rx to 2Tx/2Rx RF chains options and a total output power of 320W, making it ideal for macro sites.

Model Code RF4439d-25A



Homepage
samsungnetworks.com

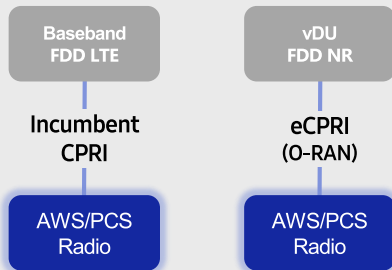


Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

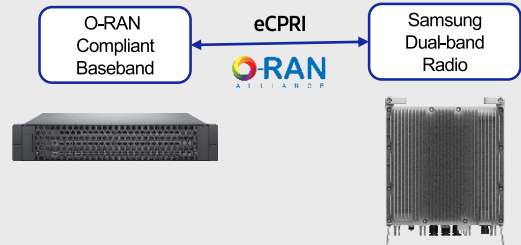
Samsung's AWS/PCS macro radio can support each incumbent CPRI interface as well as advanced eCPRI interfaces. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

A standardized O-RAN radio can help in implementing cost-effective networks, which are capable of sending more data without compromising additional investments.

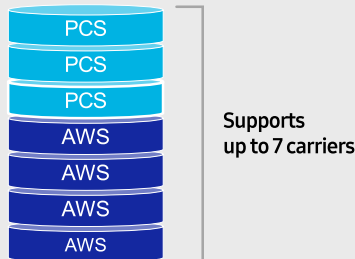
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

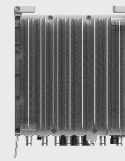
The number of required carriers varies according to site (region). Supporting many carriers is essential for using all frequencies that the operator has available.

The new AWS/PCS dual-band radio can support up to 3 carriers in the PCS (1.9GHz) band and 4 carriers in the AWS (2.1GHz) band, respectively.



Brand New Features in a Compact Size

Samsung's AWS/PCS macro radio offers several features, such as dual connectivity for baseband for both CDU and vDU, O-RAN capability, more carriers and an enlarged PCS spectrum, combined into an incumbent radio volume of 36.8L.



- 2 FH connectivity
- O-RAN capability
- More carriers and spectrum

Same as an incumbent radio volume

Technical Specifications

Item	Specification
Tech	LTE / NR
Brand	B25(PCS), B66(AWS)
Frequency Band	DL: 1930 – 1995MHz, UL: 1850 – 1915MHz DL: 2110 – 2200MHz, UL: 1710 – 1780MHz
RF Power	(B25) 4 × 40W or 2 × 60W (B66) 4 × 60W or 2 × 80W
IBW/OBW	(B25) 65MHz / 30MHz (B66) DL 90MHz, UL 70MHz / 60MHz
Installation	Pole, Wall
Size/Weight	14.96 x 14.96 x 10.04inch (36.8L) / 74.7lb

ATTACHMENT 3

ATTACHMENT 4



CONDITION ASSESSMENT & STRUCTURAL ANALYSIS REPORT
140-ft SELF-SUPPORTING TOWER
GROTON, CONNECTICUT

Prepared for
Verizon Wireless

Verizon Site Ref.
469431; Groton CT

Site Address: 68 Groton Long Point Road, Groton, CT 06340

APT Filing No. CT141_12700

October 4, 2021
Rev. 2: March 29, 2022



CONDITION ASSESSMENT & STRUCTURAL ANALYSIS REPORT
140-ft SELF-SUPPORTING TOWER
GROTON, CONNECTICUT
prepared for
Verizon Wireless

EXECUTIVE SUMMARY:

All-Points Technology Corporation, P.C. (APT) performed a condition assessment and structural analysis of this 140-foot self-supporting lattice tower structure to support a proposed Verizon equipment modification.

The proposed Verizon antenna and appurtenance modification consists of the proposed replacement of nine (9) existing panel antennas, nine (9) existing Remote Radio Heads (RRHs) and one (1) existing 6OVP and the installation of six (6) new panel antennas, three (3) new LSub-6 antennas w/ integrated RRHs, six (6) new Samsung dual-band RRHs and one (1) new 12OVP. Equipment shall be fed by twelve (12) existing 1-5/8" coaxial cables and two (2) 6x12 Low-Inductance (LI) hybrid lines as specified in the table below.

Equipment shall be installed on the existing 14' platform with rails. The existing platform requires modification prior to the installation of the new Verizon equipment as referenced in the table below.

Our analysis indicates that the subject tower structure meets the requirements of the 2015 International Building Code (IBC), as amended by the 2018 Connecticut State Building Code, and the ANSI/TIA-222-H standard with the existing and proposed equipment loading. APT observed the two (2) 3/4" feed lines at 66' are inactive. APT also observed the existing junction box and corresponding 3/4" feed lines at 64' are inactive.

Evaluation of the existing foundation was performed. According to design drawings prepared by Paul J. Ford & Company dated June 2, 1998. Our calculations indicate the foundation is adequately sized to support the proposed and existing equipment configuration.

INTRODUCTION:

A condition assessment and structural analysis was performed on the above-mentioned communications tower by APT for Verizon. The tower is located at the Groton Police Department at 68 Groton Long Point Road in Groton, Connecticut and is the easterly of two self-supporting towers located at the site.

The following information was utilized in the preparation of this analysis:

- Field notes and photos from APT's site visits, most recent being 8/27/21 and 9/10/21. APT climbed the structure in its entirety to record information regarding physical and dimensional properties of the structure and its appurtenances.
- Foundation Drawings prepared by Paul J. Ford & Company dated 6/2/98.
- Structural Analysis Report prepared by APT (Project No. CT1981220) dated 2/10/11.

- Structural Analysis Report prepared by Paul J. Ford (Project No. 42916-002.0018700 Revision) dated 7/21/16.
- Structural Analysis Report prepared by Hudson Design Group, LLC dated 10/23/19.
- RFDS detailing Verizon's proposed equipment changes, latest version.
- Antenna Mount Analysis Report prepared by Maser Consulting Connecticut (Project No. 21777774A) dated 11/5/21.
- Post-Mod Mount Analysis Report, PMI Requirements & Mount Modification Design Drawings prepared by Maser Consulting, Connecticut (Project No. 21777774A) marked Rev. 2, dated 03/18/22.
- Construction Drawings prepared by APT (Project No. CT141_12700) marked Rev. 2, dated 03/29/22.

The structure is a 140-foot ROHN Model SSV galvanized steel self-supporting tower. The analysis was conducted using the following antenna inventory (proposed equipment shown in bold text):

Carrier	Antenna and Appurtenance Make/Model	Elevation	Status	Mount Type	Coax/Feed-Line
	Beacon, Lightning rod	145'	ETR	Platform Center Pole	1/2"
Verizon Wireless	(6) JMA Wireless MX06FR0660-03 & (3) Amphenol Antel BXA-80080-4CF-EDIN-X panel antennas, (3) Samsung MT6407-77A antennas w/ Integrated RRHs, (3) Samsung RF4439d-25A RRHs, (3) Samsung RF440d-13A RRHs, (1) Raycap RRFDC-3315-PF-48 6OVP, (1) Raycap RVZDC-6627-PF-48 12OVP	143'	P ETR P P ETR P	Rotatable Platform w/ (3) 8' long L3x1/4 angles ⁴	(12) 1-5/8", (2) 6x12 LI hybrid feed lines
AT&T	(3) Quintel QS665-121553, (3) cci DMP65R-BU4DA & (3) Powerwave 7770.00 panel antennas, (3) Ericsson Radio 8843 RRHs, (3) Ericsson Radio 4449 RRHs, (3) Ericsson Radio 4415 RRHs, (3) Powerwave TT19-08BP111 TMAs, (6) cci TPX-070821 Triplexers, (3) Raycap DC6-48-60-18 D-boxes	131'	ETR	(3) 12' Sector Mounts	(12) 1-1/4", (2) 3/4" Power, (2) 2" conduit, 3/8"
	DB212 dipole	121'	ETR	Leg	7/8"
	DB212 dipole	119'	ETR	Leg	Same 7/8" as above
	DB212 dipole	110'	ETR	Leg	7/8"
	DB212 dipole	104'	ETR	Leg	7/8"
	2' single dipole	102'	ETR	Leg	1-1/4" from 96'
	(2) PD340 4-bay dipoles, DB540 whip; (2) PD1121 dipoles, (2) DB810T3 whips	101'	ETR	(3) 6' Sidearms	(4) 1-1/4", (2) 1-5/8"
	DB212 dipole, 2' single dipole	96'	ETR	Leg	7/8" from 104', 1-1/4"
	DB212 dipole	90'	ETR	Leg	7/8"
	10" x 10" x 6" junction box, (2) 10' omnidirectional whips (one inverted)	83'	ETR	Leg, (2) 6' sidearms	(2) 1-5/8", 1/2"
	3' High Performance (HP) dish w/ radome & ODU	81'	ETR	4' x 4-1/2" pipe mount	(3) 3/8"
	Vacant mount, 12" x 30" panel	77'	ETR	3' x 3-1/2" pipe mount, 1' sidearm	(2) 3/8"
	DB212 dipole	68'	ETR	Leg	3/8"
	(2) obstruction Lights	67'	ETR	Leg	1/2"
	CCTV Camera	66'	ETR	Leg	(2) 3/4" ², 3/8"
	12" x 12" x 6" junction box	64'	ETR	Leg	(2) 3/4" ³
	3' high-performance dish w/ ODU	60'	ETR	6' x 3-1/2" pipe mount	1/2"
	(2) PD220 whips, PD340 4-bay dipole	54'	ETR	(3) 6' Sidearms	(2) 7/8"
	3' High Performance (HP) dish	50'	ETR	4' x 3-1/2" pipe mount	1/2"
	BA1012 Whip	33'	ETR	6' Sidearm	7/8"

Notes:

1. ETR = Existing to Remain; P = Proposed.
2. APT observed the two 3/4" feed lines at 66' are inactive.
3. APT observed the existing junction box and corresponding 3/4" feed lines at 64' are inactive.
4. Verizon mount centerline at 142.5' based on aforementioned Mount Analysis performed by Maser Consulting Connecticut.

CONDITION ASSESSMENT:

- **General Observations:** The tower, a galvanized steel structure, appeared to be in sound condition. No signs of movement or overstress of the tower were observed.
- **Leg Members:** Leg members range from ROHN 8 EHS to ROHN 2.5 EH pipes. Leg members appeared to be in good condition.
- **Lattice Bracing:** Bracing members consist of A36 angles. Bracing was visually observed to the maximum extent practicable. No loose or missing bolts were noted.
- **Antenna, cable, and Ground Connections:** Antenna mounting hardware appeared to be in good condition, with corrosion resistant hardware and galvanized members prevalent. APT observed the two (2) 3/4" feed lines at 66' to be inactive. APT also observed the existing junction box and corresponding 3/4" feed lines at 64' are inactive.
- **Splice Connections:** Observed splice bolts and connections appeared to be in sound condition.
- **Base Foundations:** Visible concrete appeared to be in good condition, with no signs of movement or overstress noted.

STRUCTURAL ANALYSIS:

Methodology:

This structural analysis has been prepared in accordance with the ANSI/TIA-222-H standard entitled "Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures"; American Institute of Steel Construction (AISC) Manual of Steel Construction, and the 2015 International Building Code (IBC), as amended by the 2018 Connecticut State Building Code.

Antenna, appurtenance and mount assembly loads were evaluated utilizing the ANSI/TIA-222-H standard.

- Load Case 1: 137 mph (3-second gust), 0" ice (Ultimate Wind Speed)
- Load Case 2: 50mph (3-second gust) w/ 1.0" ice thickness required
- Load Case 3: 60mph (3-second gust) (Service Load)
- Risk Category: III (Essential communications facility)
- Exposure Category: B
- Topographic Category: 1

Analysis:

Analysis of the tower was conducted in accordance with the criteria outlined herein with equipment as previously described. The following table summarizes the results of the analysis based on stresses of individual leg and bracing members:

Elevation	Legs ¹	Bracing ²
120'-140'	47%	24% ³
100'-120'	60%	22% ³
80'-100'	58%	32%
60'-80'	65%	81% ³
40'-60'	78%	98%
20'-40'	78%	87% ³
0'-20'	79%	84% ³

Notes:

1. Based on ASTM A572 Gr. 50 pipe legs. Leg diameter and thickness vary.
2. Based on ASTM A36 angles.
3. Member connection controls.

Splice, Bracing and Anchor Bolts:

Connection bolts were evaluated under the proposed loading. All bolts were found to be adequately sized to support the proposed loads.

Base Foundations:

Evaluation of the existing base foundation was performed according to design drawings prepared by Paul J. Ford & Company dated June 2, 1998. The foundation consists of a 26.5' square, 4.5' thick reinforced concrete mat. Our calculations indicate the foundation is adequately sized to support the proposed and existing equipment configuration.

Base reactions imposed with the additional antennas were calculated as follows:

Reaction	Calculated
Leg Compression	316.4 k
Leg Uplift	-280.7 k
Leg Shear	33.9 k
Overturning Moment	4,414 ft-kips

CONCLUSIONS AND RECOMMENDATIONS:

In conclusion, our structural analysis indicates that the 140-foot self-supporting lattice tower structure located at 68 Groton Long Point Road in Groton, Connecticut meets the requirements of the 2015 International Building Code (IBC), as amended by the 2018 Connecticut State Building Code, and the ANSI/TIA-222-H standard with Verizon's proposed equipment changes and existing loading. APT observed the two (2) 3/4" feed lines at 66' are inactive. APT also observed the existing junction box and corresponding 3/4" feed lines at 64' are inactive.

Evaluation of the existing foundation was performed according to the aforementioned design drawings prepared by Paul J. Ford & Company dated June 2, 1998. Our calculations indicate the foundation is adequately sized to support the proposed and existing equipment configuration.

Sincerely,
All-Points Technology Corp. P.C.

Michael S. Trodden, P.E.
Senior Structural Engineer



Prepared by:
All-Points Technology Corp. P.C.

A handwritten signature in black ink that reads "Ali Adair".

Ali M. Adair
Project Scientist

LIMITATIONS:

This report is based on the following:

1. Tower is properly installed and maintained.
2. All members are in new condition.
3. All required members are in place.
4. All bolts are in place and are properly tightened.
5. Tower is in plumb condition.
6. All tower members were properly designed, detailed, fabricated, and installed and have been properly maintained since erection.

All-Points Technology Corporation, P.C. (APT) is not responsible for any modifications completed prior to or hereafter which APT is not or was not directly involved. Modifications include but are not limited to:

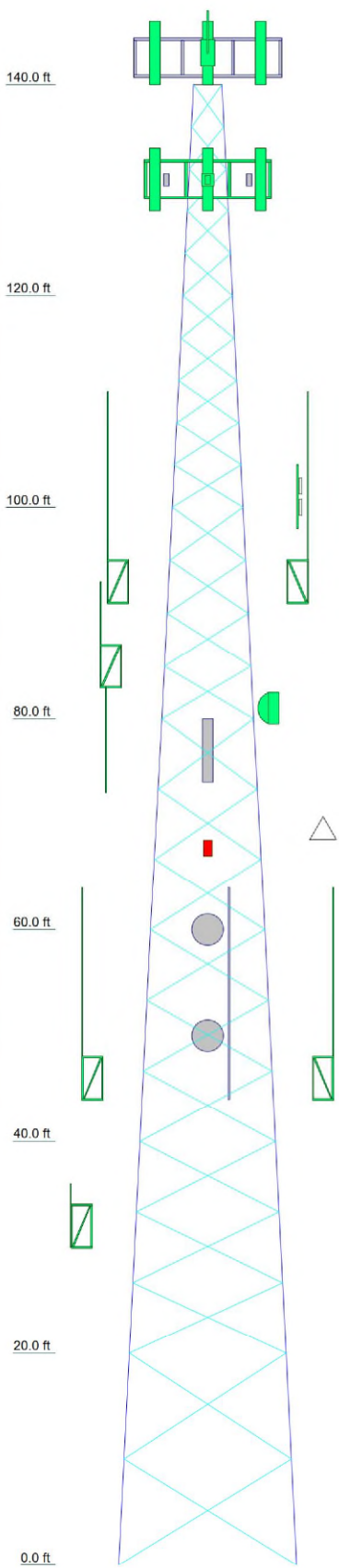
1. Replacing or reinforcing bracing members.
2. Reinforcing leg members in any manner.
3. Installing antenna mounts or side arms.
4. Extending tower.

APT hereby states that this document represents the entire report and that it assumes no liability for any factual changes that may occur after the date of this report. All representations, recommendations, and conclusions are based upon the information contained and set forth herein. If you are aware of any information which is contrary to that which is contained herein, or you are aware of any defects arising from the original design, material, fabrication and erection deficiencies, you should disregard this report and immediately contact APT. APT disclaims all liability for any representation, recommendation, or conclusion not expressly stated herein.

Appendix A

Tower Schematic

Section	T1	T2	T3	T4	T5	T6	T7
Legs	ROHN 2.5 EH	ROHN 3 EH	ROHN 4 EH	ROHN 5 EH	ROHN 6 EHS	ROHN 6 EH	ROHN 8 EHS
Leg Grade				A572-50			
Diagonals		L2x2x1/4		L2 1/2x2 1/2x1/4	L3x3x1/4		L3 1/2x3 1/2x1/4
Diagonal Grade				A36			
Top Girts	L2x2x1/4			N.A.			
Face Width (ft)	2.63	4.66143	6.69286	8.72429	10.7557	12.7871	14.8186
# Panels @ (ft)		10 @ 4	4 @ 5		9 @ 6.66667		2 @ 10
Weight (lb)	1306.0	1282.7	1605.7	2110.7	2393.3	3071.2	3280.4



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Flash Beacon Lighting	140	(2) TPX-070821 Triplexer (ATI)	131
Generic Lightning Rod 4' copper	140	(2) TPX-070821 Triplexer (ATI)	131
(2) JMA MX06FRO660-03 (Verizon)	140	Raycap DC6-48-60-18-8F squid (ATI)	131
(2) JMA MX06FRO660-03 (Verizon)	140	Raycap DC6-48-60-18-8F squid (ATI)	131
(2) JMA MX06FRO660-03 (Verizon)	140	Raycap DC6-48-60-18-8F squid (ATI)	131
MT6407-77A (Verizon)	140	12' sector mount (ATI)	131
MT6407-77A (Verizon)	140	12' sector mount (ATI)	131
MT6407-77A (Verizon)	140	12' sector mount (ATI)	131
BXA-80080/8 (Verizon)	140	DB212-2-C	121
BXA-80080/8 (Verizon)	140	DB212-2-C	119
BXA-80080/8 (Verizon)	140	DB212-2-C	110
Samsung RF4439d-25A RRHs (Verizon)	140	DB212-2-C	104
Samsung RF4439d-25A RRHs (Verizon)	140	2' single dipole	104 - 102
Samsung RF4439d-25A RRHs (Verizon)	140	(2) PD340-140	101
Samsung RF4439d-25A RRHs (Verizon)	140	6' sidearm	101
Samsung RF4439d-25A RRHs (Verizon)	140	DB540K-E	101
Samsung RF4440d-13A RRHs (Verizon)	140	(2) PD1121	101
Samsung RF4440d-13A RRHs (Verizon)	140	6' sidearm	101
Samsung RF4440d-13A RRHs (Verizon)	140	(2) DB810T3-XC	101
Samsung RF4440d-13A RRHs (Verizon)	140	6' sidearm	101
Samsung RF4440d-13A RRHs (Verizon)	140	2' single dipole	98 - 96
Raycap RHSDC-3315-PF-48 D-box (Verizon)	140	DB212-1	96
Raycap RVZDC-6627-PF-48 (Verizon)	140	10' x 3" omni whip	93 - 83
Raycap RVZDC-6627-PF-48 (Verizon)	140	DB212-1	90
14' platform w/rails (Verizon)	140	10" x 10" x 6" junction box	83
8' L3 x 1/4 (Verizon)	140	10' x 3" omni whip	83 - 73
8' L3 x 1/4 (Verizon)	140	6' sidearm	83
8' L3 x 1/4 (Verizon)	140	6' sidearm	83
8' L3 x 1/4 (Verizon)	140	DragonWave Horizon Compact + ODU	81
Qunitel QS66512 (ATI)	131	4'x4 1/2" Pipe Mount	81
Qunitel QS66512 (ATI)	131	3' HP dish	81
Qunitel QS66512 (ATI)	131	1' sidearm	77
DMP65R-BU4DA (ATI)	131	3'x3-1/2" Pipe Mount (Vacant Mount)	77
DMP65R-BU4DA (ATI)	131	12" x 30" panel	77
DMP65R-BU4DA (ATI)	131	DB212-1	68
7770.00 (ATI)	131	Obstruction light	67
7770.00 (ATI)	131	Obstruction light	67
7770.00 (ATI)	131	8" x 8" x 30" camera	66
Radio 4449 (ATI)	131	1' x 1' x 6" junction box (inactive)	64
Radio 4449 (ATI)	131	6'x4 1/2" Pipe Mount	60
Radio 8843 (ATI)	131	3' HP dish	60
Radio 8843 (ATI)	131	DragonWave Horizon Compact + ODU	60
Radio 8843 (ATI)	131	PD220	54
Ericsson Radio 4415 (ATI)	131	6' sidearm	54
Ericsson Radio 4415 (ATI)	131	PD340-140	54
Ericsson Radio 4415 (ATI)	131	6' sidearm	54
Ericsson Radio 4415 (ATI)	131	PD220	54
TT19-08BP111 TMA (ATI)	131	6' sidearm	54
TT19-08BP111 TMA (ATI)	131	4'x3 1/2" Pipe Mount	50
TT19-08BP111 TMA (ATI)	131	3' HP dish	50
(2) TPX-070821 Triplexer (ATI)	131	BA1012	33
(2) TPX-070821 Triplexer (ATI)	131	6' sidearm	33

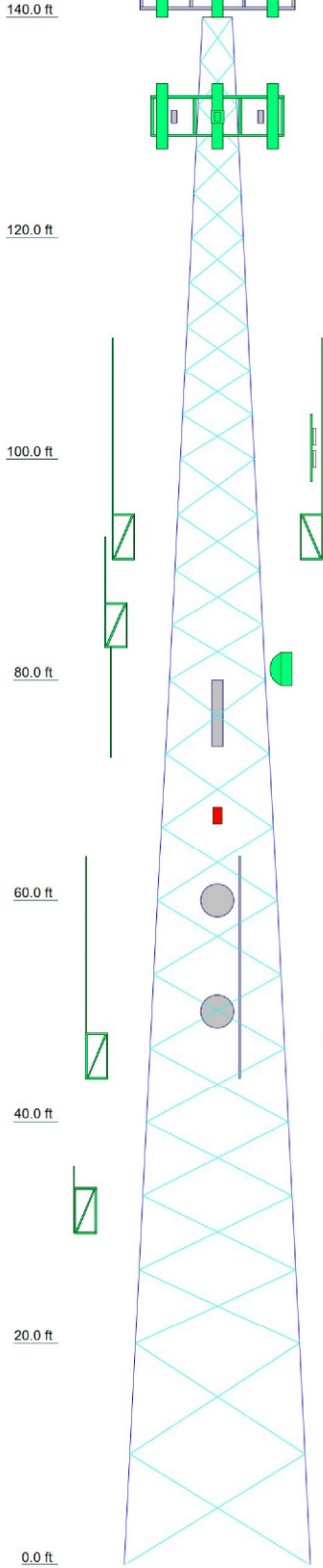
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A36	36 ksi	58 ksi

All-Points Technology Corp.		
567 Vauxhall St. Ext. Suite 311		
Waterford, CT 06385		
Phone: (860) 663-1697		
FAX: (860) 663-0935		
Job: 140' Self-Supporting Tower		
Project: CT141_12700 Groton		
Client: VzW Site #469431	Drawn by: M. Larson	App'd:
Code: TIA-222-H	Date: 01/05/22	Scale: NTS
Path:		Dwg No. E-1

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Section	T7	T6	T5	T4	T3	T2	T1
Legs	ROHN 8 EHS	ROHN 6 EH	ROHN 6 EHS	ROHN 5 EH	ROHN 4 EH	ROHN 3 EH	ROHN 2.5 EH
Leg Grade				A572-50			
Diagonals	L3 1/2x3 1/2x1/4	L3x3x1/4	L2 1/2x2 1/2x1/4			L2x2x1/4	
Diagonal Grade				A36			
Top Girts				N.A.			L2x2x1/4
Face Width (ft)	14.8186	12.7871	10.7557	8.72429	6.69286	4.66143	2.63
# Panels @ (ft)	2 @ 10	3071.2	2393.3	2110.7	1605.7	1282.7	1000.0
Weight (lb)	3280.4						



MATERIAL STRENGTH

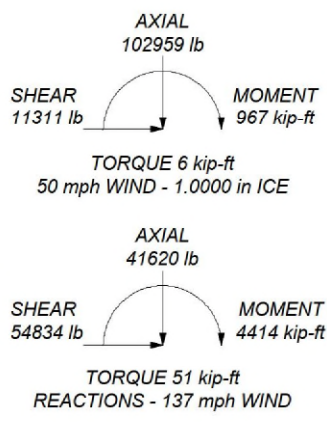
GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A36	36 ksi	58 ksi

ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:

DOWN: 316368 lb
SHEAR: 33886 lb

UPLIFT: -280694 lb
SHEAR: 31299 lb



All-Points Technology Corp. 567 Vauxhall St. Ext. Suite 311 Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935	Job: 140' Self-Supporting Tower		
	Project: CT141_12700 Groton		
	Client: VzW Site #469431	Drawn by: M. Larson	App'd:
	Code: TIA-222-H	Date: 01/05/22	Scale: NTS
	Path:	Dwg No. E-1	

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Appendix B

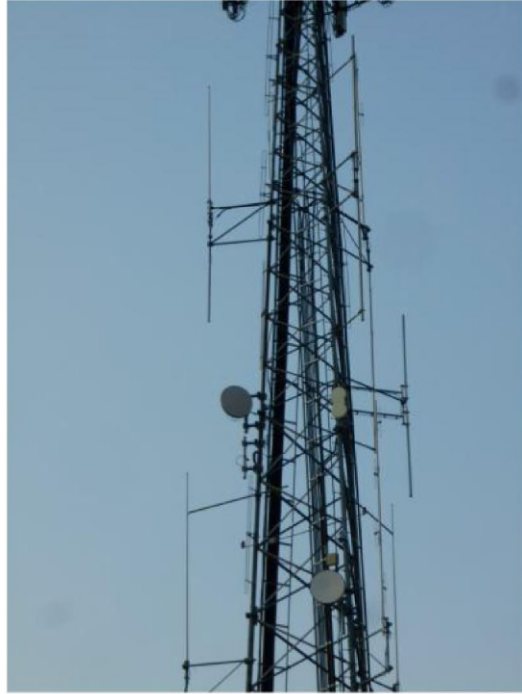
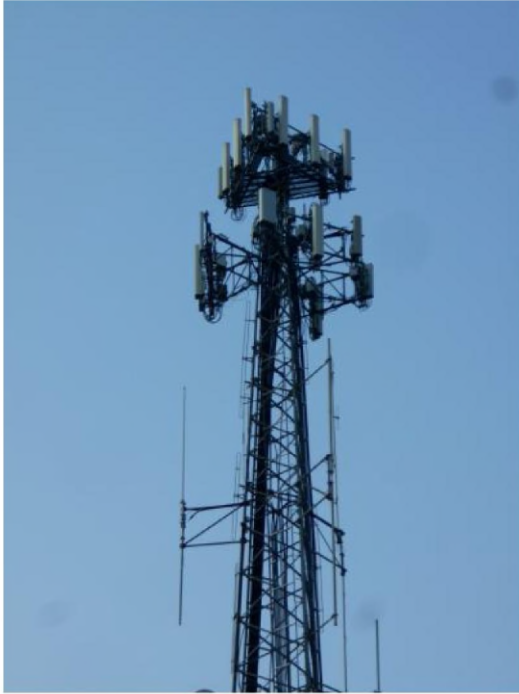
Photographs

VERIZON WIRELESS
140' SELF-SUPPORTING TOWER
GROTON, CONNECTICUT
VzW SITE #469431; GROTON CT



Overview photo of the existing 140' self-supporting tower structure located in Groton, Connecticut.

VERIZON WIRELESS
140' SELF-SUPPORTING TOWER
GROTON, CONNECTICUT
VZW SITE #469431; GROTON CT



Overview photos of typical existing equipment and mounts.



VERIZON WIRELESS
140' SELF-SUPPORTING TOWER
GROTON, CONNECTICUT
VZW SITE #469431; GROTON CT

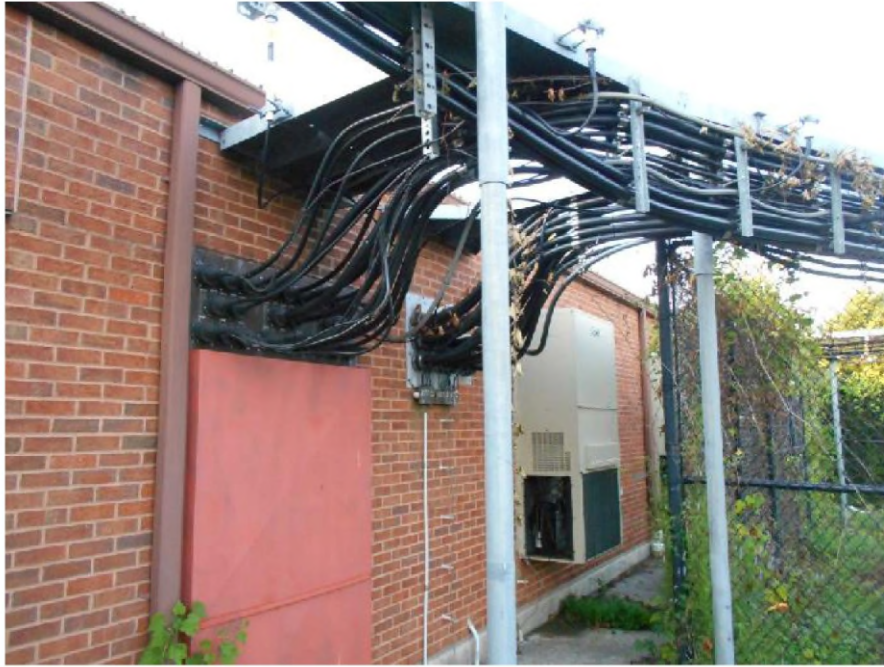


Photo of Verizon's existing hatch plates and ground bar at shelter.

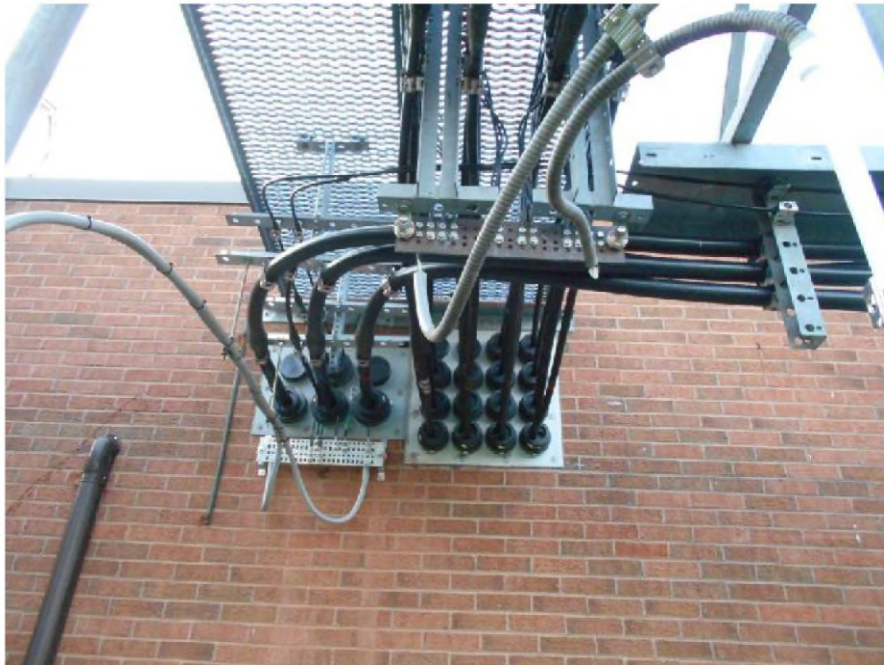


Photos of Verizon's typical existing equipment and mounts at 142'.

VERIZON WIRELESS
140' SELF-SUPPORTING TOWER
GROTON, CONNECTICUT
VZW SITE #469431; GROTON CT



Photos of existing hatch plates and ground bars at shelter.



VERIZON WIRELESS
140' SELF-SUPPORTING TOWER
GROTON, CONNECTICUT
VZW SITE #469431; GROTON CT



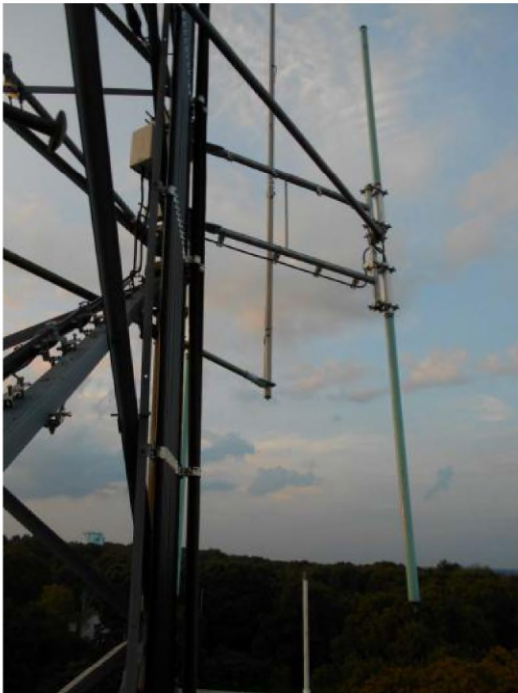
Photos of existing waveguide ladders on tower.



VERIZON WIRELESS
140' SELF-SUPPORTING TOWER
GROTON, CONNECTICUT
VZW SITE #469431; GROTON CT



Photo of existing ice bridge.



Photos of typical existing equipment and mounts.

VERIZON WIRELESS
140' SELF-SUPPORTING TOWER
GROTON, CONNECTICUT
VZW SITE #469431; GROTON CT



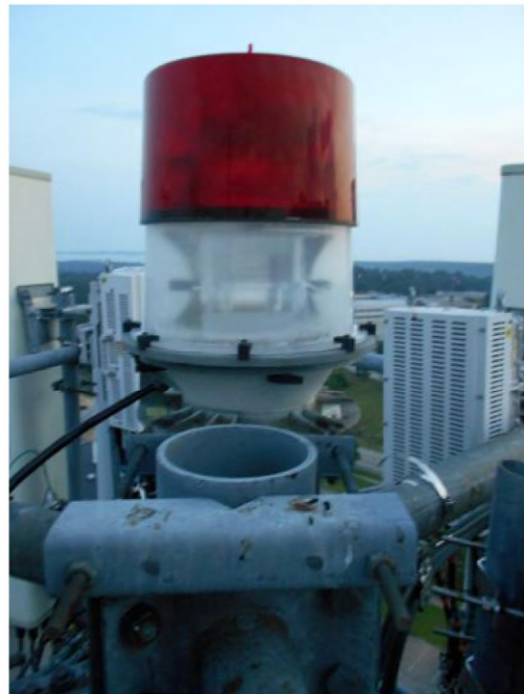
Additional photos of typical existing equipment and mounts.



VERIZON WIRELESS
140' SELF-SUPPORTING TOWER
GROTON, CONNECTICUT
VZW SITE #469431; GROTON CT



Additional photos of typical existing equipment and mounts.



VERIZON WIRELESS
140' SELF-SUPPORTING TOWER
GROTON, CONNECTICUT
VZW SITE #469431; GROTON CT



Photos of AT&T's typical existing equipment and mounts at 131'.



VERIZON WIRELESS
140' SELF-SUPPORTING TOWER
GROTON, CONNECTICUT
VzW SITE #469431; GROTON CT



Photos of typical existing base foundation.



VERIZON WIRELESS
140' SELF-SUPPORTING TOWER
GROTON, CONNECTICUT
VZW SITE #469431; GROTON CT



Additional photo of typical existing base foundation.

Appendix C

Calculations

tnxTower All-Points Technology Corp. 567 Vauxhall St. Ext. Suite 311 Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935	Job	140' Self-Supporting Tower	Page	1 of 10
	Project	CT141_12700 Groton	Date	15:09:17 01/05/22
	Client	VzW Site #469431	Designed by	M. Larson

Tower Input Data

The main tower is a 3x free standing tower with an overall height of 140.00 ft above the ground line.

The base of the tower is set at an elevation of 0.00 ft above the ground line.

The face width of the tower is 2.63 ft at the top and 16.85 ft at the base.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

Tower base elevation above sea level: 0.00 ft.

Basic wind speed of 137 mph.

Risk Category III.

Exposure Category B.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: 1.

Crest Height: 0.00 ft.

Nominal ice thickness of 1.0000 in.

Ice thickness is considered to increase with height.

Ice density of 56 pcf.

A wind speed of 50 mph is used in combination with ice.

Temperature drop of 50 °F.

Deflections calculated using a wind speed of 60 mph.

A non-linear (P-delta) analysis was used.

Pressures are calculated at each section.

Stress ratio used in tower member design is 1.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
1/2	A	No	No	Ar (CaAa)	140.00 - 8.00	0.0000	0	1	1	0.5800	0.5800		0.25
1 5/8 (Verizon)	C	No	No	Ar (CaAa)	140.00 - 8.00	0.0000	-0.3	12	6	0.5000	1.9800		1.04
6x 12 LI hybrid (Verizon)	C	No	No	Ar (CaAa)	140.00 - 8.00	0.0000	-0.35	1	1	0.7500	1.5500		1.88
6x12 LI hybrid (Verizon)	C	No	No	Ar (CaAa)	140.00 - 8.00	0.0000	-0.35	1	1	0.7500	1.5500		0.66
1 1/4 (AT&T)	A	No	No	Ar (CaAa)	131.00 - 8.00	0.0000	-0.35	12	12	0.7500	1.5500		0.66
3/4" power (AT&T)	A	No	No	Ar (CaAa)	131.00 - 8.00	0.0000	-0.4	2	2	0.7950	0.7950		0.58
2" conduit (AT&T)	A	No	No	Ar (CaAa)	131.00 - 8.00	0.0000	-0.43	2	2	2.0000	2.0000		2.00
3/8 (AT&T)	A	No	No	Ar (CaAa)	131.00 - 8.00	0.0000	-0.46	1	1	0.4400	0.4400		0.08
3/8	C	No	No	Ar (CaAa)	66.00 - 8.00	0.0000	-0.36	1	1	0.4400	0.4400		0.08
3/8	C	No	No	Ar (CaAa)	68.00 - 8.00	3.0000	-0.36	1	1	0.4400	0.4400		0.08
3/8	C	No	No	Ar (CaAa)	77.00 - 8.00	0.0000	-0.38	2	1	0.4400	0.4400		0.08

tnxTower All-Points Technology Corp. 567 Vauxhall St. Ext. Suite 311 Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935	Job	140' Self-Supporting Tower	Page	2 of 10
	Project	CT141_12700 Groton	Date	15:09:17 01/05/22
	Client	VzW Site #469431	Designed by	M. Larson

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	# Per Row	# Rows	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
3/8	B	No	No	Ar (CaAa)	81.00 - 8.00	0.0000	-0.1	3	1	0.4400	0.4400		0.08
1 5/8	B	No	No	Ar (CaAa)	83.00 - 8.00	0.0000	-0.01	2	1	0.5000	1.9800		1.04
1 5/8	B	No	No	Ar (CaAa)	101.00 - 8.00	0.0000	0.01	2	1	0.5000	1.9800		1.04
1 1/4	B	No	No	Ar (CaAa)	101.00 - 8.00	0.0000	0.05	4	4	0.7500	1.5500		0.66
3/4	B	No	No	Ar (CaAa)	64.00 - 8.00	0.0000	0.12	2	1	0.7500	0.7500		0.40
3/4	B	No	No	Ar (CaAa)	66.00 - 8.00	0.0000	0.11	2	1	0.7500	0.7500		0.40
7/8	B	No	No	Ar (CaAa)	54.00 - 8.00	0.0000	0.09	2	1	1.1100	1.1100		0.54
7/8	B	No	No	Ar (CaAa)	33.00 - 8.00	0.0000	0.12	1	1	1.1100	1.1100		0.54
7/8	B	No	No	Ar (CaAa)	90.00 - 8.00	0.0000	0.13	1	1	1.1100	1.1100		0.54
7/8	B	No	No	Ar (CaAa)	104.00 - 8.00	0.0000	0.15	1	1	1.1100	1.1100		0.54
7/8	B	No	No	Ar (CaAa)	121.00 - 8.00	0.0000	0.17	1	1	1.1100	1.1100		0.54
7/8	B	No	No	Ar (CaAa)	110.00 - 8.00	0.0000	0.16	1	1	1.1100	1.1100		0.54
1 1/4	B	No	No	Ar (CaAa)	96.00 - 8.00	0.0000	-0.03	1	1	0.7500	1.5500		0.66
1/2	B	No	No	Ar (CaAa)	60.00 - 8.00	0.0000	-0.04	1	1	0.5800	0.5800		0.25
1/2	B	No	No	Ar (CaAa)	50.00 - 8.00	0.0000	-0.05	1	1	0.5800	0.5800		0.25
1/2	B	No	No	Ar (CaAa)	67.00 - 8.00	0.0000	-0.07	1	1	0.5800	0.5800		0.25
1/2	B	No	No	Ar (CaAa)	83.00 - 8.00	0.0000	-0.09	1	1	0.5800	0.5800		0.25

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C _A A _A ft ² /ft	Weight plf
Safety Line 3/8	A	No	No	CaAa (Out Of Face)	140.00 - 0.00	1	No Ice 0.04 1/2" Ice 0.14 1" Ice 0.24	0.22 0.75 1.28

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustment °	Placement ft	C _A A _A Front ft ²	C _A A _A Side ft ²	Weight lb
Flash Beacon Lighting	C	From Centroid-Face	0.00	0.0000	140.00	No Ice	2.70	50.00
			5.00			1/2" Ice	3.10	70.00
			5.00			1" Ice	3.50	90.00
Generic Lightning Rod 4' copper	A	From Centroid-Face	0.00	0.0000	140.00	No Ice	0.50	0.00
			3.00			1/2" Ice	1.00	0.00
			3.00			1" Ice	1.50	0.00
(2) JMA MX06FRO660-03 (Verizon)	A	From Face	4.00	0.0000	140.00	No Ice	9.87	65.00
			3.00			1/2" Ice	10.34	133.84
			3.00			1" Ice	10.82	209.18
(2) JMA MX06FRO660-03 (Verizon)	B	From Face	4.00	0.0000	140.00	No Ice	9.87	65.00
			3.00			1/2" Ice	10.34	133.84
			3.00			1" Ice	10.82	209.18
(2) JMA MX06FRO660-03 (Verizon)	C	From Face	4.00	0.0000	140.00	No Ice	9.87	65.00
			3.00			1/2" Ice	10.34	133.84
			3.00			1" Ice	10.82	209.18
MT6407-77A (Verizon)	A	From Face	4.00	0.0000	140.00	No Ice	4.69	90.00
			0.00			1/2" Ice	4.98	119.24

tnxTower All-Points Technology Corp. 567 Vauxhall St. Ext. Suite 311 Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935	Job	140' Self-Supporting Tower	Page	3 of 10
	Project	CT141_12700 Groton	Date	15:09:17 01/05/22
	Client	VzW Site #469431	Designed by	M. Larson

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _A Front	C _A A _A Side	Weight					
			Horz	Lateral						Vert	°	ft	ft ²	ft ²
MT6407-77A (Verizon)	B	From Face	3.00		0.0000	140.00	1" Ice	5.28	2.29	152.35				
			4.00								No Ice	4.69	1.84	90.00
			0.00								1/2" Ice	4.98	2.06	119.24
MT6407-77A (Verizon)	C	From Face	3.00		0.0000	140.00	1" Ice	5.28	2.29	152.35				
			4.00								No Ice	4.69	1.84	90.00
			0.00								1/2" Ice	4.98	2.06	119.24
BXA-80080/8 (Verizon)	A	From Face	3.00		0.0000	140.00	1" Ice	5.28	2.29	152.35				
			4.00								No Ice	8.20	6.59	30.00
			0.00								1/2" Ice	8.79	7.17	77.69
BXA-80080/8 (Verizon)	B	From Face	3.00		0.0000	140.00	1" Ice	9.38	7.75	132.61				
			4.00								No Ice	8.20	6.59	30.00
			0.00								1/2" Ice	8.79	7.17	77.69
BXA-80080/8 (Verizon)	C	From Face	3.00		0.0000	140.00	1" Ice	9.38	7.75	132.61				
			4.00								No Ice	8.20	6.59	30.00
			0.00								1/2" Ice	8.79	7.17	77.69
Samsung RF4439d-25A RRHs (Verizon)	A	From Face	3.00		0.0000	140.00	1" Ice	9.38	7.75	132.61				
			3.50								No Ice	1.87	1.25	100.00
			0.00								1/2" Ice	2.03	1.39	118.32
Samsung RF4439d-25A RRHs (Verizon)	B	From Face	3.00		0.0000	140.00	1" Ice	2.21	1.54	139.42				
			3.50								No Ice	1.87	1.25	100.00
			0.00								1/2" Ice	2.03	1.39	118.32
Samsung RF4439d-25A RRHs (Verizon)	C	From Face	3.00		0.0000	140.00	1" Ice	2.21	1.54	139.42				
			3.50								No Ice	1.87	1.25	100.00
			0.00								1/2" Ice	2.03	1.39	118.32
Samsung RF4440d-13A RRHs (Verizon)	A	From Face	3.00		0.0000	140.00	1" Ice	2.21	1.54	139.42				
			3.50								No Ice	1.87	1.13	85.00
			0.00								1/2" Ice	2.03	1.27	102.32
Samsung RF4440d-13A RRHs (Verizon)	B	From Face	3.00		0.0000	140.00	1" Ice	2.21	1.41	122.37				
			3.50								No Ice	1.87	1.13	85.00
			0.00								1/2" Ice	2.03	1.27	102.32
Samsung RF4440d-13A RRHs (Verizon)	C	From Face	3.00		0.0000	140.00	1" Ice	2.21	1.41	122.37				
			3.50								No Ice	1.87	1.13	85.00
			0.00								1/2" Ice	2.03	1.27	102.32
Raycap RHSDC-3315-PF-48 D-box (Verizon)	A	From Face	0.00		0.0000	140.00	No Ice	1.34	3.79	40.00				
			0.00								1/2" Ice	1.49	4.04	71.37
			3.00								1" Ice	1.65	4.30	106.49
Raycap RVZDC-6627-PF-48 (Verizon)	C	From Face	0.00		0.0000	140.00	No Ice	4.06	3.10	35.00				
			0.00								1/2" Ice	4.32	3.34	71.49
			3.00								1" Ice	4.58	3.58	111.97
14' platform w/rails (Verizon)	A	From Leg	0.00		0.0000	140.00	No Ice	20.92	18.11	1400.00				
			0.00								1/2" Ice	21.94	19.01	2354.63
			2.50								1" Ice	22.96	19.91	3330.74
8' L3 x 1/4 (Verizon)	A	From Leg	0.00		0.0000	140.00	No Ice	3.00	0.06	45.00				
			0.00								1/2" Ice	3.69	0.10	70.73
			2.50								1" Ice	4.38	0.14	104.79
8' L3 x 1/4 (Verizon)	B	From Leg	0.00		0.0000	140.00	No Ice	3.00	0.06	45.00				
			0.00								1/2" Ice	3.69	0.10	70.73
			2.50								1" Ice	4.38	0.14	104.79
8' L3 x 1/4 (Verizon)	C	From Leg	0.00		0.0000	140.00	No Ice	3.00	0.06	45.00				
			0.00								1/2" Ice	3.69	0.10	70.73
			2.50								1" Ice	4.38	0.14	104.79
Qunitel QS66512 (AT&T)	A	From Face	4.00		0.0000	131.00	No Ice	8.13	6.80	120.00				
			0.00								1/2" Ice	8.59	7.27	177.20
			0.00								1" Ice	9.05	7.72	240.66
Qunitel QS66512 (AT&T)	B	From Face	4.00		0.0000	131.00	No Ice	8.13	6.80	120.00				
			0.00								1/2" Ice	8.59	7.27	177.20
			0.00								1" Ice	9.05	7.72	240.66

tnxTower All-Points Technology Corp. 567 Vauxhall St. Ext. Suite 311 Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935	Job	140' Self-Supporting Tower	Page	4 of 10
	Project	CT141_12700 Groton	Date	15:09:17 01/05/22
	Client	VzW Site #469431	Designed by	M. Larson

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _A Front	C _A A _A Side	Weight	
			Horz	Vert						
			ft	ft	°	ft	ft ²	ft ²	lb	
Qunitel QS66512 (AT&T)	C	From Face	0.00	4.00	0.0000	131.00	1" Ice	9.05	7.72	240.66
			0.00	0.00			No Ice	8.13	6.80	120.00
			0.00	0.00			1/2" Ice	8.59	7.27	177.20
DMP65R-BU4DA (AT&T)	A	From Face	0.00	4.00	0.0000	131.00	1" Ice	9.05	7.72	240.66
			0.00	0.00			No Ice	8.28	3.51	70.00
			0.00	0.00			1/2" Ice	8.67	3.81	121.85
DMP65R-BU4DA (AT&T)	B	From Face	0.00	4.00	0.0000	131.00	1" Ice	9.06	4.12	178.85
			0.00	0.00			No Ice	8.28	3.51	70.00
			0.00	0.00			1/2" Ice	8.67	3.81	121.85
DMP65R-BU4DA (AT&T)	C	From Face	0.00	4.00	0.0000	131.00	1" Ice	9.06	4.12	178.85
			0.00	0.00			No Ice	8.28	3.51	70.00
			0.00	0.00			1/2" Ice	8.67	3.81	121.85
7770.00 (AT&T)	A	From Face	0.00	4.00	0.0000	131.00	1" Ice	9.06	4.12	178.85
			0.00	0.00			No Ice	5.51	2.93	35.00
			0.00	0.00			1/2" Ice	5.87	3.27	67.63
7770.00 (AT&T)	B	From Face	0.00	4.00	0.0000	131.00	1" Ice	6.23	3.63	105.06
			0.00	0.00			No Ice	5.51	2.93	35.00
			0.00	0.00			1/2" Ice	5.87	3.27	67.63
7770.00 (AT&T)	C	From Face	0.00	4.00	0.0000	131.00	1" Ice	6.23	3.63	105.06
			0.00	0.00			No Ice	5.51	2.93	35.00
			0.00	0.00			1/2" Ice	5.87	3.27	67.63
Radio 4449 (AT&T)	A	From Face	0.00	3.50	0.0000	131.00	1" Ice	6.23	3.63	105.06
			0.00	0.00			No Ice	1.65	1.16	80.00
			0.00	0.00			1/2" Ice	1.81	1.30	96.16
Radio 4449 (AT&T)	B	From Face	0.00	3.50	0.0000	131.00	1" Ice	1.98	1.45	114.95
			0.00	0.00			No Ice	1.65	1.16	80.00
			0.00	0.00			1/2" Ice	1.81	1.30	96.16
Radio 4449 (AT&T)	C	From Face	0.00	3.50	0.0000	131.00	1" Ice	1.98	1.45	114.95
			0.00	0.00			No Ice	1.65	1.16	80.00
			0.00	0.00			1/2" Ice	1.81	1.30	96.16
Radio 8843 (AT&T)	A	From Face	0.00	3.50	0.0000	131.00	1" Ice	1.98	1.45	114.95
			0.00	0.00			No Ice	1.64	1.36	71.87
			0.00	0.00			1/2" Ice	1.80	1.51	89.45
Radio 8843 (AT&T)	B	From Face	0.00	3.50	0.0000	131.00	1" Ice	1.96	1.66	109.74
			0.00	0.00			No Ice	1.64	1.36	71.87
			0.00	0.00			1/2" Ice	1.80	1.51	89.45
Radio 8843 (AT&T)	C	From Face	0.00	3.50	0.0000	131.00	1" Ice	1.96	1.66	109.74
			0.00	0.00			No Ice	1.64	1.36	71.87
			0.00	0.00			1/2" Ice	1.80	1.51	89.45
Ericsson Radio 4415 (AT&T)	A	From Face	0.00	3.50	0.0000	131.00	1" Ice	1.96	1.66	109.74
			0.00	0.00			No Ice	1.64	0.68	50.00
			0.00	0.00			1/2" Ice	1.80	0.79	62.41
Ericsson Radio 4415 (AT&T)	B	From Face	0.00	3.50	0.0000	131.00	1" Ice	1.97	0.91	77.18
			0.00	0.00			No Ice	1.64	0.68	50.00
			0.00	0.00			1/2" Ice	1.80	0.79	62.41
Ericsson Radio 4415 (AT&T)	C	From Face	0.00	3.50	0.0000	131.00	1" Ice	1.97	0.91	77.18
			0.00	0.00			No Ice	1.64	0.68	50.00
			0.00	0.00			1/2" Ice	1.80	0.79	62.41
TT19-08BP111 TMA (AT&T)	A	From Face	0.00	4.00	0.0000	131.00	1" Ice	0.75	0.63	28.22
			0.00	0.00			No Ice	0.55	0.45	15.00
			0.00	0.00			1/2" Ice	0.65	0.53	20.80
TT19-08BP111 TMA (AT&T)	B	From Face	0.00	4.00	0.0000	131.00	1" Ice	0.75	0.63	28.22
			0.00	0.00			No Ice	0.55	0.45	15.00
			0.00	0.00			1/2" Ice	0.65	0.53	20.80
TT19-08BP111 TMA (AT&T)	C	From Face	0.00	4.00	0.0000	131.00	1" Ice	0.75	0.63	28.22
			0.00	0.00			No Ice	0.55	0.45	15.00
			0.00	0.00			1/2" Ice	0.65	0.53	20.80

tnxTower All-Points Technology Corp. 567 Vauxhall St. Ext. Suite 311 Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935	Job	140' Self-Supporting Tower	Page	5 of 10
	Project	CT141_12700 Groton	Date	15:09:17 01/05/22
	Client	VzW Site #469431	Designed by	M. Larson

Description	Face or Leg	Offset Type	Offsets:			Azimuth Adjustment	Placement	C _A A _A Front	C _A A _A Side	Weight	
			Horz	Lateral	Vert						°
(2) TPX-070821 Triplexer (AT&T)	A	From Face	0.00			0.0000	131.00	1" Ice	0.75	0.63	28.22
			4.00					No Ice	0.50	0.18	10.00
			0.00					1/2" Ice	0.59	0.25	13.60
(2) TPX-070821 Triplexer (AT&T)	B	From Face	0.00			0.0000	131.00	1" Ice	0.69	0.33	18.56
			4.00					No Ice	0.50	0.18	10.00
			0.00					1/2" Ice	0.59	0.25	13.60
(2) TPX-070821 Triplexer (AT&T)	C	From Face	0.00			0.0000	131.00	1" Ice	0.69	0.33	18.56
			4.00					No Ice	0.50	0.18	10.00
			0.00					1/2" Ice	0.59	0.25	13.60
Raycap DC6-48-60-18-8F squid (AT&T)	A	None	0.00			0.0000	131.00	1" Ice	0.69	0.33	18.56
			4.00					No Ice	0.74	0.74	30.00
			0.00					1/2" Ice	1.20	1.20	44.34
Raycap DC6-48-60-18-8F squid (AT&T)	B	None	0.00			0.0000	131.00	1" Ice	1.37	1.37	60.93
			4.00					No Ice	0.74	0.74	30.00
			0.00					1/2" Ice	1.20	1.20	44.34
Raycap DC6-48-60-18-8F squid (AT&T)	C	None	0.00			0.0000	131.00	1" Ice	1.37	1.37	60.93
			4.00					No Ice	0.74	0.74	30.00
			0.00					1/2" Ice	1.20	1.20	44.34
12' sector mount (AT&T)	A	None	0.00			0.0000	131.00	1" Ice	1.37	1.37	60.93
			4.00					No Ice	10.20	5.10	465.00
			0.00					1/2" Ice	13.80	6.90	600.00
12' sector mount (AT&T)	B	None	0.00			0.0000	131.00	1" Ice	17.40	8.70	735.00
			4.00					No Ice	10.20	5.10	465.00
			0.00					1/2" Ice	13.80	6.90	600.00
12' sector mount (AT&T)	C	None	0.00			0.0000	131.00	1" Ice	17.40	8.70	735.00
			4.00					No Ice	10.20	5.10	465.00
			0.00					1/2" Ice	13.80	6.90	600.00
DB212-2-C	C	None	0.00			0.0000	121.00	1" Ice	17.40	8.70	735.00
			4.00					No Ice	3.10	3.10	27.00
			0.00					1/2" Ice	6.22	6.22	55.51
DB212-2-C	B	None	0.00			0.0000	119.00	1" Ice	9.35	9.35	103.21
			4.00					No Ice	3.10	3.10	27.00
			0.00					1/2" Ice	6.22	6.22	55.51
DB212-2-C	B	None	0.00			0.0000	110.00	1" Ice	9.35	9.35	103.21
			4.00					No Ice	3.10	3.10	27.00
			0.00					1/2" Ice	6.22	6.22	55.51
DB212-2-C	B	None	0.00			0.0000	104.00	1" Ice	9.35	9.35	103.21
			4.00					No Ice	3.10	3.10	27.00
			0.00					1/2" Ice	6.22	6.22	55.51
2' single dipole	A	From Leg	0.50			0.0000	104.00 - 102.00	1" Ice	9.35	9.35	103.21
			0.00					No Ice	5.36	5.36	40.00
			0.00					1/2" Ice	8.72	8.72	65.00
(2) PD340-140	C	From Leg	0.00			0.0000	101.00	1" Ice	12.08	12.08	90.00
			6.00					No Ice	5.36	5.36	40.00
			0.00					1/2" Ice	8.72	8.72	65.00
6' sidearm	C	From Leg	0.00			0.0000	101.00	1" Ice	12.08	12.08	90.00
			3.00					No Ice	4.17	2.09	75.00
			0.00					1/2" Ice	6.17	3.09	125.00
DB540K-E	B	From Leg	0.00			0.0000	101.00	1" Ice	8.17	4.09	200.00
			6.00					No Ice	4.50	4.50	66.00
			0.00					1/2" Ice	6.33	6.33	99.30
(2) PD1121	B	From Leg	0.00			0.0000	101.00	1" Ice	8.18	8.18	144.00
			6.00					No Ice	0.41	0.41	3.00
			0.00					1/2" Ice	1.52	1.52	11.00
6' sidearm	B	From Leg	0.00			0.0000	101.00	1" Ice	2.63	2.63	19.00
			3.00					No Ice	4.17	2.09	75.00
			0.00					1/2" Ice	6.17	3.09	125.00

tnxTower All-Points Technology Corp. 567 Vauxhall St. Ext. Suite 311 Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935	Job	140' Self-Supporting Tower	Page	6 of 10
	Project	CT141_12700 Groton	Date	15:09:17 01/05/22
	Client	VzW Site #469431	Designed by	M. Larson

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _A Front	C _A A _A Side	Weight	
			Horz	Lateral						Vert
(2) DB810T3-XC	A	From Leg	0.00		0.0000	101.00	1" Ice	8.17	4.09	200.00
			6.00				No Ice	3.63	3.63	35.00
			0.00				1/2" Ice	5.10	5.10	61.88
6' sidearm	A	From Leg	0.00		0.0000	101.00	1" Ice	6.60	6.60	98.03
			3.00				No Ice	4.17	2.09	75.00
			0.00				1/2" Ice	6.17	3.09	125.00
2' single dipole	C	From Leg	0.00		0.0000	98.00 - 96.00	1" Ice	8.17	4.09	200.00
			0.50				No Ice	4.50	4.50	31.00
			0.00				1/2" Ice	8.10	8.10	40.30
DB212-1	C	None	0.00		0.0000	96.00	1" Ice	11.70	11.70	49.60
							No Ice	4.50	4.50	31.00
							1/2" Ice	8.10	8.10	40.30
DB212-1	A	None			0.0000	90.00	1" Ice	11.70	11.70	49.60
							No Ice	4.50	4.50	31.00
							1/2" Ice	8.10	8.10	40.30
10" x 10" x 6" junction box	C	None			0.0000	83.00	1" Ice	11.70	11.70	49.60
							No Ice	4.50	4.50	31.00
							1/2" Ice	8.10	8.10	40.30
10' x 3" omni whip	C	From Leg	6.00		0.0000	93.00 - 83.00	1" Ice	11.70	11.70	49.60
			0.00				No Ice	3.00	3.00	75.00
			0.00				1/2" Ice	4.03	4.03	96.79
10' x 3" omni whip	C	From Leg	6.00		0.0000	83.00 - 73.00	1" Ice	5.03	5.03	125.14
			0.00				No Ice	3.00	3.00	75.00
			0.00				1/2" Ice	4.03	4.03	96.79
6' sidearm	C	None			0.0000	83.00	1" Ice	5.03	5.03	125.14
							No Ice	4.17	2.09	75.00
							1/2" Ice	6.17	3.09	125.00
DragonWave Horizon Compact + ODU	B	From Leg	0.50		0.0000	81.00	1" Ice	8.17	4.09	200.00
			0.00				No Ice	0.69	0.32	10.00
			0.00				1/2" Ice	0.80	0.40	15.82
4'x4 1/2" Pipe Mount	B	None			0.0000	81.00	1" Ice	0.91	0.48	23.28
							No Ice	1.15	1.15	43.10
							1/2" Ice	1.58	1.58	56.09
12" x 30" panel	A	From Leg	1.00		0.0000	77.00	1" Ice	1.84	1.84	72.13
			0.00				No Ice	180.00	144.00	2500.00
			0.00				1/2" Ice	181.67	145.47	4614.42
1' sidearm	A	None			0.0000	77.00	1" Ice	183.35	146.95	6757.81
							No Ice	0.51	0.26	15.00
							1/2" Ice	0.95	0.48	25.00
3'x3-1/2" Pipe Mount (Vacant Mount)	B	None			0.0000	77.00	1" Ice	1.45	0.73	40.00
							No Ice	180.00	144.00	2500.00
							1/2" Ice	181.67	145.47	4614.42
DB212-1	A	None			0.0000	68.00	1" Ice	183.35	146.95	6757.81
							No Ice	4.50	4.50	31.00
							1/2" Ice	8.10	8.10	40.30
Obstruction light	A	None			0.0000	67.00	1" Ice	11.70	11.70	49.60
							No Ice	0.15	0.15	8.00
							1/2" Ice	0.22	0.22	10.47
Obstruction light	B	None			0.0000	67.00	1" Ice	0.29	0.29	13.91
							No Ice	0.15	0.15	8.00
							1/2" Ice	0.22	0.22	10.47
8" x 8" x 30" camera	A	None			0.0000	66.00	1" Ice	0.29	0.29	13.91
							No Ice	2.33	0.62	75.00
							1/2" Ice	2.58	0.73	94.15
1' x 1' x 6" junction box (inactive)	A	From Leg	0.50		0.0000	64.00	1" Ice	2.84	0.85	116.48
			0.00				No Ice	180.00	144.00	2500.00
							1/2" Ice	181.67	145.47	4614.42

tnxTower All-Points Technology Corp. 567 Vauxhall St. Ext. Suite 311 Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935	Job	140' Self-Supporting Tower	Page	7 of 10
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	Client	VzW Site #469431	Designed by	M. Larson

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _A Front	C _A A _A Side	Weight	
			Horz Lateral	Vert						
			ft	ft	°	ft	ft ²	ft ²	lb	
DragonWave Horizon Compact + ODU	A	From Leg	0.00		0.0000	60.00	1" Ice	183.35	146.95	6757.81
			0.50				No Ice	0.69	0.32	10.00
			0.00				1/2" Ice	0.80	0.40	15.82
			0.00				1" Ice	0.91	0.48	23.28
6'x4 1/2" Pipe Mount	A	None			0.0000	60.00	No Ice	1.94	1.94	64.70
							1/2" Ice	2.62	2.62	83.80
							1" Ice	3.00	3.00	107.17
							No Ice	3.56	3.56	23.00
PD220	B	From Leg	6.00		0.0000	54.00	1/2" Ice	7.13	7.13	46.00
			0.00				1" Ice	10.70	10.70	69.00
			0.00				No Ice	4.17	2.09	75.00
							1/2" Ice	6.17	3.09	125.00
6' sidearm	B	None			0.0000	54.00	1" Ice	8.17	4.09	200.00
							No Ice	3.56	3.56	23.00
							1/2" Ice	7.13	7.13	46.00
							1" Ice	10.70	10.70	69.00
PD220	C	From Leg	6.00		0.0000	54.00	No Ice	4.17	2.09	75.00
			0.00				1/2" Ice	6.17	3.09	125.00
			0.00				1" Ice	8.17	4.09	200.00
							No Ice	5.36	5.36	40.00
6' sidearm	C	None			0.0000	54.00	1/2" Ice	8.72	8.72	65.00
							1" Ice	12.08	12.08	90.00
							No Ice	4.17	2.09	75.00
							1/2" Ice	6.17	3.09	125.00
PD340-140	A	From Leg	6.00		0.0000	54.00	1" Ice	8.17	4.09	200.00
			0.00				No Ice	5.36	5.36	40.00
			0.00				1/2" Ice	8.72	8.72	65.00
							1" Ice	12.08	12.08	90.00
6' sidearm	A	None			0.0000	54.00	No Ice	4.17	2.09	75.00
							1/2" Ice	6.17	3.09	125.00
							1" Ice	8.17	4.09	200.00
							No Ice	1.11	1.11	30.00
4'x3 1/2" Pipe Mount	A	From Leg	0.00		0.0000	50.00	1/2" Ice	1.36	1.36	40.29
			0.00				1" Ice	1.62	1.62	53.53
			0.00				No Ice	0.41	0.41	1.00
			0.00				1/2" Ice	1.10	1.10	3.00
BA1012	C	From Leg	6.00		0.0000	33.00	1" Ice	1.79	1.79	5.00
			0.00				No Ice	4.17	2.09	75.00
			0.00				1/2" Ice	6.17	3.09	125.00
			0.00				1" Ice	8.17	4.09	200.00
6' sidearm	C	None			0.0000	33.00	No Ice	4.17	2.09	75.00
							1/2" Ice	6.17	3.09	125.00
							1" Ice	8.17	4.09	200.00
							No Ice	1.11	1.11	30.00

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets:		Azimuth Adjustment	3 dB Beam Width	Elevation	Outside Diameter	Aperture Area	Weight	
				Horz Lateral	Vert							
			ft	ft	°	°	ft	ft	ft ²	lb		
3' HP dish	A	Paraboloid w/Shroud (HP)	From Leg	0.50		Worst		60.00	3.00	No Ice	7.07	75.00
				0.00						1/2" Ice	7.47	113.33
				0.00						1" Ice	7.86	153.33
3' HP dish	B	Paraboloid w/Shroud (HP)	From Leg	0.50		Worst		81.00	3.00	No Ice	7.07	75.00
				0.00						1/2" Ice	7.47	113.33
				0.00						1" Ice	7.86	153.33
3' HP dish	A	Paraboloid w/Shroud (HP)	From Leg	0.50		Worst		50.00	3.00	No Ice	7.07	75.00
				0.00						1/2" Ice	7.47	113.33
				0.00						1" Ice	7.86	153.33

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	Client VzW Site #469431	Designed by M. Larson

Solution Summary

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	140 - 120	3.139	39	0.2233	0.0360
T2	120 - 100	2.262	39	0.1861	0.0327
T3	100 - 80	1.560	39	0.1435	0.0332
T4	80 - 60	1.011	39	0.1113	0.0349
T5	60 - 40	0.576	39	0.0831	0.0267
T6	40 - 20	0.260	39	0.0514	0.0132
T7	20 - 0	0.072	39	0.0242	0.0049

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
140.00	Flash Beacon Lighting	39	3.139	0.2233	0.0360	86199
131.00	Qunitel QS66512	39	2.731	0.2073	0.0343	47888
121.00	DB212-2-C	39	2.303	0.1881	0.0328	23380
119.00	DB212-2-C	39	2.223	0.1840	0.0327	22556
110.00	DB212-2-C	39	1.888	0.1645	0.0324	25754
104.00	DB212-2-C	39	1.686	0.1516	0.0327	29167
103.00	2' single dipole	39	1.654	0.1495	0.0328	29815
102.00	2' single dipole	39	1.622	0.1475	0.0329	30474
101.00	(2) PD340-140	39	1.591	0.1455	0.0331	31132
98.00	2' single dipole	39	1.499	0.1398	0.0335	32840
97.00	2' single dipole	39	1.469	0.1379	0.0336	33452
96.00	2' single dipole	39	1.439	0.1361	0.0338	34109
93.00	10' x 3" omni whip	39	1.353	0.1310	0.0342	36032
90.00	DB212-1	39	1.270	0.1261	0.0346	38091
88.00	10' x 3" omni whip	39	1.216	0.1230	0.0349	39600
83.00	10" x 10" x 6" junction box	39	1.086	0.1156	0.0351	43878
81.00	3' HP dish	39	1.036	0.1128	0.0350	45339
78.00	10' x 3" omni whip	39	0.963	0.1085	0.0346	45863
77.00	12" x 30" panel	39	0.939	0.1072	0.0344	45609
73.00	10' x 3" omni whip	39	0.846	0.1016	0.0332	43986
68.00	DB212-1	39	0.736	0.0947	0.0312	42028
67.00	Obstruction light	39	0.715	0.0933	0.0307	41658
66.00	8" x 8" x 30" camera	39	0.694	0.0919	0.0302	41293
64.00	1' x 1' x 6" junction box	39	0.654	0.0890	0.0291	40585
60.00	3' HP dish	39	0.576	0.0831	0.0267	39462
54.00	PD220	39	0.468	0.0737	0.0226	38907
50.00	3' HP dish	39	0.402	0.0672	0.0198	38692
33.00	BA1012	39	0.179	0.0413	0.0096	36518

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	140 - 120	15.718	2	1.1072	0.1883
T2	120 - 100	11.329	2	0.9354	0.1712
T3	100 - 80	7.798	2	0.7181	0.1734

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Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T4	80 - 60	5.063	2	0.5505	0.1821
T5	60 - 40	2.903	2	0.4112	0.1393
T6	40 - 20	1.319	2	0.2572	0.0691
T7	20 - 0	0.369	2	0.1219	0.0255

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
140.00	Flash Beacon Lighting	2	15.718	1.1072	0.1883	17635
131.00	Qunitel QS66512	2	13.677	1.0353	0.1792	9797
121.00	DB212-2-C	2	11.531	0.9454	0.1716	4777
119.00	DB212-2-C	2	11.129	0.9252	0.1707	4596
110.00	DB212-2-C	2	9.446	0.8268	0.1694	5106
104.00	DB212-2-C	2	8.431	0.7602	0.1711	5641
103.00	2' single dipole	2	8.270	0.7494	0.1716	5741
102.00	2' single dipole	2	8.110	0.7388	0.1721	5844
101.00	(2) PD340-140	2	7.953	0.7283	0.1727	5949
98.00	2' single dipole	2	7.493	0.6983	0.1748	6279
97.00	2' single dipole	2	7.344	0.6887	0.1756	6394
96.00	2' single dipole	2	7.196	0.6793	0.1764	6512
93.00	10' x 3" omni whip	2	6.764	0.6523	0.1788	6893
90.00	DB212-1	2	6.348	0.6269	0.1810	7322
88.00	10' x 3" omni whip	2	6.079	0.6107	0.1821	7638
83.00	10" x 10" x 6" junction box	2	5.433	0.5723	0.1832	8550
81.00	3' HP dish	2	5.185	0.5577	0.1827	8883
78.00	10' x 3" omni whip	2	4.822	0.5364	0.1805	9081
77.00	12" x 30" panel	2	4.704	0.5294	0.1795	9067
73.00	10' x 3" omni whip	2	4.245	0.5019	0.1735	8885
68.00	DB212-1	2	3.701	0.4677	0.1628	8650
67.00	Obstruction light	2	3.596	0.4609	0.1602	8604
66.00	8" x 8" x 30" camera	2	3.493	0.4539	0.1576	8560
64.00	1' x 1' x 6" junction box	2	3.290	0.4400	0.1519	8471
60.00	3' HP dish	2	2.903	0.4112	0.1393	8306
54.00	PD220	2	2.365	0.3657	0.1182	8099
50.00	3' HP dish	2	2.036	0.3344	0.1035	7971
33.00	BA1012	2	0.911	0.2071	0.0502	7301

Bolt Design Data

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt lb	Allowable Load per Bolt lb	Ratio Load Allowable	Allowable Ratio	Criteria	
T1	140	Leg	A325N	0.7500	4	8295.60	30101.40	0.276	✓	1	Bolt Tension
		Diagonal	A325N	0.6250	1	3317.74	13805.80	0.240	✓	1	Bolt Shear
		Top Girt	A325N	0.6250	1	848.47	10440.00	0.081	✓	1	Member Bearing
T2	120	Leg	A325N	0.8750	4	15731.80	41556.00	0.379	✓	1	Bolt Tension
		Diagonal	A325N	0.6250	1	3070.89	13805.80	0.222	✓	1	Bolt Shear
T3	100	Leg	A325N	1.0000	4	22683.90	54517.00	0.416	✓	1	Bolt Tension
		Diagonal	A325N	0.6250	1	4173.33	13805.80	0.302	✓	1	Bolt Shear

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	Client	VzW Site #469431	Designed by	M. Larson

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt lb	Allowable Load per Bolt lb	Ratio Load Allowable	Allowable Ratio	Criteria
T4	80	Leg	A325N	1.0000	6	22113.40	54517.00	0.406	✓	1 Bolt Tension
		Diagonal	A325N	0.6250	1	11233.00	13805.80	0.814	✓	1 Bolt Shear
T5	60	Leg	A325N	1.0000	6	31059.00	54517.00	0.570	✓	1 Bolt Tension
		Diagonal	A325N	0.6250	1	12648.60	13805.80	0.916	✓	1 Bolt Shear
T6	40	Leg	A325N	1.0000	8	29266.20	54517.00	0.537	✓	1 Bolt Tension
		Diagonal	A325N	0.6250	1	11945.90	13805.80	0.865	✓	1 Bolt Shear
T7	20	Leg	A325N	1.0000	8	33869.30	54517.00	0.621	✓	1 Bolt Tension
		Diagonal	A325N	0.7500	1	12076.30	14355.00	0.841	✓	1 Member Bearing

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	ϕP_{allow} lb	% Capacity	Pass Fail	
T1	140 - 120	Leg	ROHN 2.5 EH	3	-39387.20	83195.60	47.3	Pass	
		Diagonal	L2x2x1/4	16	3317.74	24485.10	13.6	Pass	
		Top Girt	L2x2x1/4	4	-937.84	24583.30	3.8	Pass	
T2	120 - 100	Leg	ROHN 3 EH	39	-71066.00	119064.00	59.7	Pass	
		Diagonal	L2x2x1/4	41	-3070.89	20162.90	15.2	Pass	
							22.2 (b)		
T3	100 - 80	Leg	ROHN 4 EH	72	-101250.00	175708.00	57.6	Pass	
		Diagonal	L2x2x1/4	74	-4173.33	12889.70	32.4	Pass	
T4	80 - 60	Leg	ROHN 5 EH	99	-156179.00	239384.00	65.2	Pass	
		Diagonal	L2 1/2x2 1/2x1/4	102	-11233.00	16027.90	70.1	Pass	
T5	60 - 40	Leg	ROHN 6 EHS	120	-214947.00	274768.00	78.2	Pass	
		Diagonal	L2 1/2x2 1/2x1/4	123	-12147.40	12352.10	98.3	Pass	
T6	40 - 20	Leg	ROHN 6 EH	141	-265746.00	343097.00	77.5	Pass	
		Diagonal	L3x3x1/4	144	-11480.40	16884.40	68.0	Pass	
T7	20 - 0	Leg	ROHN 8 EHS	162	-305386.00	386392.00	79.0	Pass	
		Diagonal	L3 1/2x3 1/2x1/4	165	-12514.30	18660.80	67.1	Pass	
							84.1 (b)		
							Summary		
							Leg (T7)	79.0	Pass
							Diagonal (T5)	98.3	Pass
							Top Girt (T1)	8.1	Pass
							Bolt Checks	91.6	Pass
							RATING =	98.3	Pass

All-Points Technology Corp., P.C.
567 Vauxhall St. Ext., Suite 311
Waterford, CT 06385
(860) 663-1697

Client:	Verizon	Site No.:	469431
Job:	Groton CT	Job No.:	CT141_12700
Calculated By:	A. Adair	Date:	29-Mar-22

Program assumes:

Mat is square in plan view.
Water table is below bottom of mat.
Unit weight of concrete = 150 pcf
Unit weight of soil = 100 pcf
Self-supporting tower with 3 piers

Information to be provided:

Piers are round or square in plan dimension ("R" or "S")	Shape =	R
Sh = Total shear force at base of tower	Sh =	54.8 kips
OTM = Overturning Moment at base of tower	OTM =	4414 ft-kips
Total OTM to be resisted	OTMt =	4661 ft-kips
H = Height from ground surface to top of mat (if buried)	H =	0.5 ft.
P _M = Projection of pier above mat	P _M =	0.0 ft.
y = Thickness of mat	y =	4.50 ft.
x = Width of mat	x =	26.50 ft.
d = Diameter of round piers	d =	0.0 ft.
S = Size of tension bars	S =	8

Mass of tower and appurtenances (below)

Results:

<u>Component</u>	<u>Mass</u>	<u>Moment Arm</u>	<u>Moment Resist.</u>
Pier	0.0 kips	13.25 ft.	0.0 ft-kips
Overburden	32.3 kips	13.25 ft.	427.9 ft-kips
Mat	426.6 kips	13.25 ft.	5652.7 ft-kips

Overturning Moment Resistance = 6080.61 ft-kips
Factor of Safety = 1.30
Concrete Quantity = 117.0 c.y.

SATISFACTORY



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Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10129647
Maser Consulting Connecticut Project #: 21777774A (Rev 2)

March 18, 2022

Site Information

Site ID: 469431-VZW / GROTON CT
Site Name: GROTON CT
Carrier Name: Verizon Wireless
Address: 68 Groton Long Point
Groton, Connecticut 06340
New London County
Latitude: 41.343556°
Longitude: -72.009667°

Structure Information

Tower Type: 140-Ft Self Support
Mount Type: 14.00-Ft Platform

FUZE ID # 16242098

Analysis Results

Platform: 87.8% **Pass w/ Modifications***

***Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.**

***Contractor PMI Requirements:

Included at the end of this MA report

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

For additional questions and support, please reach out to:

pmisupport@colliersengineering.com

Report Prepared By: David Anuka



Digitally signed by Derek Hartzell
Date: 2022.03.18 14:43:27-0700

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
<i>Radio Frequency Data Sheet (RFDS)</i>	<i>Verizon RFDS, Site ID: 323997, dated October 12, 2021</i>
<i>Mount Mapping Report</i>	<i>RKS Design & Engineering, LLC, Site ID: VZW: 469431, dated October 27, 2021</i>
<i>Previous Mount Analysis</i>	<i>Maser Consulting Connecticut, Project #: 21777774A (Rev 1), dated January 25, 2022</i>
<i>Mount Modification Drawings</i>	<i>Maser Consulting Connecticut, Project #: 21777774A (Rev 2), dated March 18, 2022</i>

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 140 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: IV Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.994
Seismic Parameters:	S_s : 0.186 g S_1 : 0.052 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
142.50	143.00	6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48*	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		3	Amphenol Antel	BXA-80080-4CF-EDIN-0	Retained
		1	Raycap	RRFDC-3315-PF-48*	

* Equipment is and to be flush mounted directly to the Self Support. It is not mounted on Platform mount and are not included in this mount analysis.

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to 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 in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer’s specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. 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:
 - o Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - o HSS (Rectangular) ASTM 500 (Gr. B-46)
 - o Pipe ASTM A53 (Gr. B-35)
 - o Threaded Rod F1554 (Gr. 36)
 - o Bolts ASTM A325
8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	87.8 %	Pass
End Plate	22.5 %	Pass
Standoff Horizontal	71.3 %	Pass
Vertical Face Bracing	33.9 %	Pass
Diagonal Face Angle	34.3 %	Pass
Mount Pipe	29.8%	Pass
Threaded Rod	45.3%	Pass
Mod Mount Pipe	16.3%	Pass
Mod Support Rail Bracing	30.9%	Pass
Mount Connection (Bolt)	27.4%	Pass
Mount Connection (Weld)	65.0%	Pass

Structure Rating – (Controlling Utilization of all Components)	87.8%
---	--------------

Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	35.4	35.4	48.9	48.9
0.5	50.2	50.2	69.2	69.2
1	63.7	63.7	88.1	88.1

Notes:

- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 3 sectors.
- Ka factors included in (EPA)a calculations

Requirements:

The existing mount will be **SUFFICIENT** for the final loading configuration (Attachment 2) **after the modifications detailed in Attachment 3 are successfully completed.**

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Electronic pdf version of this can be downloaded at <https://pmi.vzwsmart.com>
For additional questions and support, please reach out to pmisupport@colliersengineering.com

PSLC #: 469431

SMART Project #: 10129647

Fuze Project ID: 16242098

Purpose – to upload the proper documentation to the SMART Tool in order to allow the SMART Tool engineering vendor to complete the required Mount Desktop review of the Post Modification Inspection Report.

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the modification was completed in accordance with the modification drawings.
- Contractor shall relay any data that can impact the performance of the mount or the mount modification, this includes safety issues.

Base Requirements:

- If installation of the modification will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide “as built drawings” showing contractor’s name, preparer’s signature, and date. Any deviations from the drawings (proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the post-modification passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo shall be time and date stamped.
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: <https://pmi.vzwsmart.com>

Photo Requirements:

- Photos taken at ground level
 - Photo of Gate Signs showing the tower owner, site name, and number.
 - Overall tower structure after installation of the modifications.
 - Photos of the mount after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed
- Photos taken at Mount Elevation
 - Photos showing the safety climb wire rope above and below the mount prior to modification.
 - Photos showing the climbing facility and safety climb if present.

- Photos showing each individual sector after installation of modifications. Each entire sector must be in one photo to show the interconnection of members.
 - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.
- Photos of each installed modification per the modification drawings; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
- Photos showing the distances (relative distance between collars) of the installed modifications from the appropriate reference locations shown in the modification drawings.
- Photos showing the installed modifications onto the tower (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, an elevation measurement shall be provided before the elevation change.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by the SMART Tool vendor.
 - If the materials are as specified on the drawings
 - The contractor shall provide the packing list, or the materials certifications for the materials utilized to perform the mount modification
 - Commscope, Metrosite, Perfect Vision, Sabre, and Site Pro have all agreed to support Verizon vendors with the necessary material certifications
 - If seeking permission to use an equivalent
 - It is required that the SMART Tool engineering vendor approval of such is included in the contractor submission package. There may be an additional charge for approval if the equivalent submission doesn't meet specifications as prescribed in the drawings.

All hardware has been properly installed, and the existing hardware was inspected.

The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings and included in the material certification folder is a packing list or invoice for these materials.

OR

The material utilized was approved by a SMART Tool engineering vendor as an "equivalent" and this approval is included as part of the contractor submission.

Antenna & Equipment Placement and Geometry Confirmation:

The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

- The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

Comments:

Was the mount modification completed in conjunction with the equipment change / installation?

- Yes No

Special Instructions / Validation as required from the MA or Mod Drawings:

Issue:

1. Contractor shall install the RF4439d-25A on the center of the equipment pipe behind the mount pipe in position 1 (from left to right from behind the mount) on all sectors. Install the RF4440d-13A on the center of the equipment pipes behind the mount pipe in position 2 on all sectors.

Response:

Special Instruction Confirmation:

- The contractor has read and acknowledges the above special instructions.

Comments:

Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:

- Yes No

Contractor certifies no new damage created during the current installation:

- Yes No

Contractor to certify the condition of the safety climb and verify no damage when leaving the site:

- Safety Climb in Good Condition Safety Climb Damaged

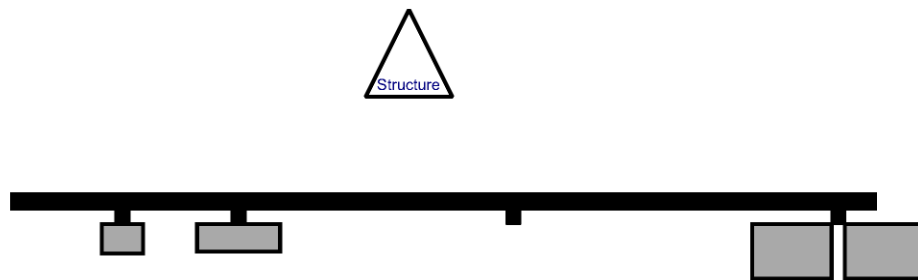
Comments:

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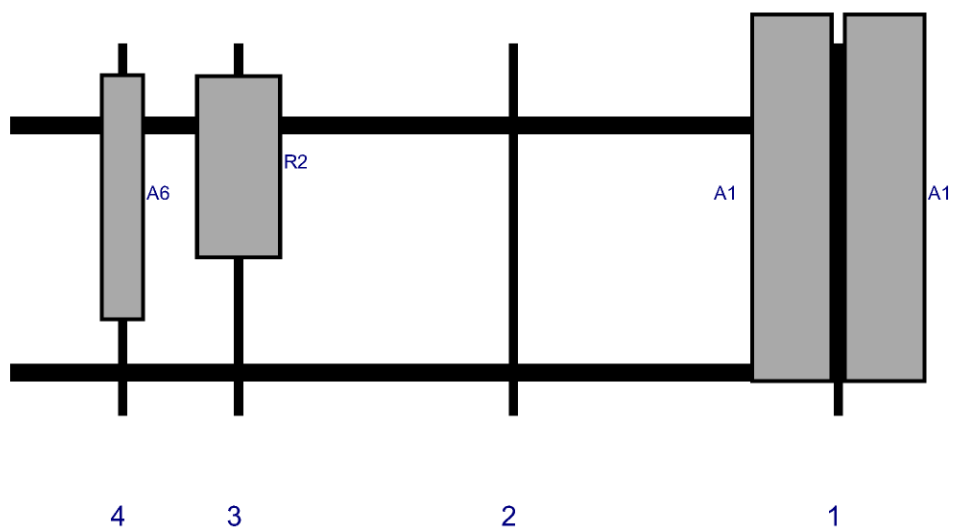
Certifying Individual:

Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

Plan View

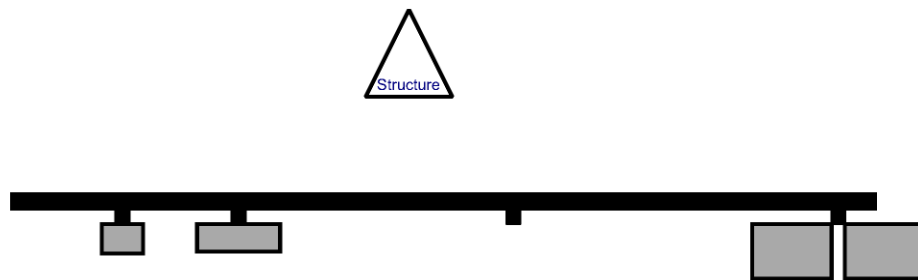


Front View - Looking at Structure

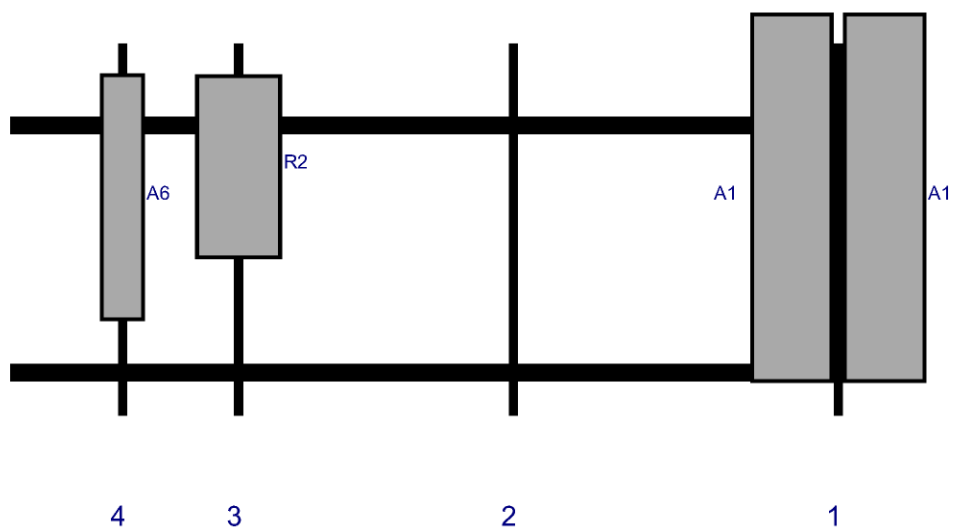


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	MX06FRO660-02	71.3	15.4	160.5	1	a	Front	30	-9	Added	
A1	MX06FRO660-02	71.3	15.4	160.5	1	b	Front	30	9	Added	
R2	MT6407-77A	35.1	16.1	44.25	3	a	Front	24	0	Added	
A6	BXA-80080-4CF-EDIN-0	47.5	8	21.75	4	a	Front	30	0	Retained	10/27/2021

Plan View

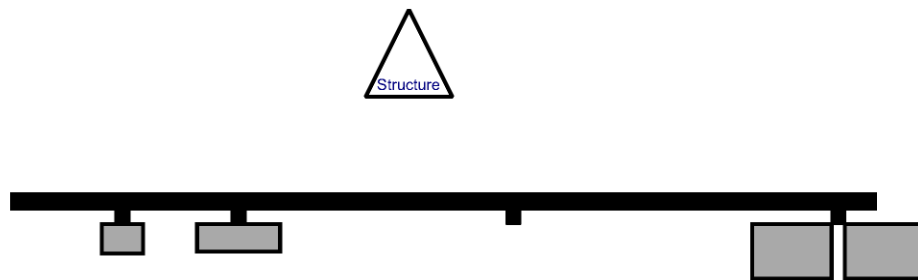


Front View - Looking at Structure

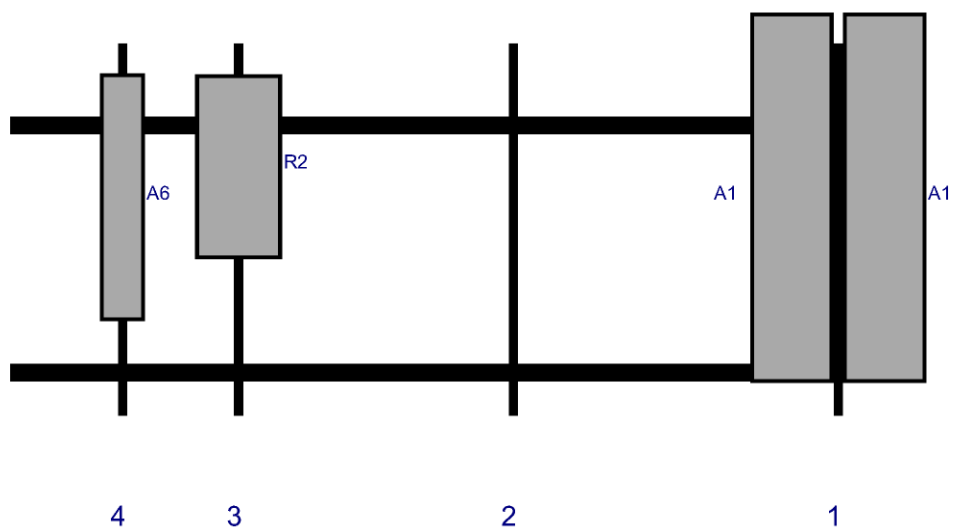


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R2	MT6407-77A	35.1	16.1	44.25	3	a	Front	24	0	Added	
A6	BXA-80080-4CF-EDIN-0	47.5	8	21.75	4	a	Front	30	0	Retained	10/27/2021

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
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A1	MX06FRO660-02	71.3	15.4	160.5	1	b	Front	30	9	Added	
R2	MT6407-77A	35.1	16.1	44.25	3	a	Front	24	0	Added	
A6	BXA-80080-4CF-EDIN-0	47.5	8	21.75	4	a	Front	30	0	Retained	10/27/2021

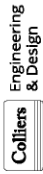


**MOUNT MODIFICATION DRAWINGS
EXISTING 14.00' PLATFORM**

TOWER OWNER: N/A
TOWER OWNER SITE NUMBER: N/A
CARRIER SITE NAME: GROTON CT
CARRIER SITE NUMBER: 469431
FUZE ID: 16242098

68 GROTON LONG POINT
GROTON, CT 06340
NEW LONDON COUNTY

LATITUDE: 41.343556° N
LONGITUDE: 72.009667° W



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FOR STATE OF CONNECTICUT, WORK RELIABILITY CENTER

PROJECT NUMBER: 2177772A

NO.	AS SHOWN	DATE	DESCRIPTION
1	ISSUED FOR PERMIT	04/24/2022	DA
2	ISSUED FOR PERMIT	04/24/2022	DA
3	ISSUED FOR PERMIT	04/24/2022	DA
4	ISSUED FOR PERMIT	04/24/2022	DA
5	ISSUED FOR PERMIT	04/24/2022	DA
6	ISSUED FOR PERMIT	04/24/2022	DA
7	ISSUED FOR PERMIT	04/24/2022	DA
8	ISSUED FOR PERMIT	04/24/2022	DA
9	ISSUED FOR PERMIT	04/24/2022	DA
10	ISSUED FOR PERMIT	04/24/2022	DA

SHEET	DESCRIPTION
ST-1	TITLE SHEET
80M-1	BILL OF MATERIALS
SCN-1	GENERAL NOTES
SCF-1	CLIMBING FACILITY DETAIL
SS-1	MODIFICATION DETAILS
SS-2	MOUNT PHOTOS
	SPECIFICATION SHEETS

APPLICANT/LESSEE
COMPANY: VERIZON WIRELESS
CLIENT REPRESENTATIVE: VERIZON WIRELESS
PROJECT MANAGER: COLLIERS ENGINEERING & DESIGN PETER ALABANO PHONE: 856.797.0412 E-MAIL: PETER.ALABANO@COLLIERSENGINEERING.COM
CONTRACTOR PMI REQUIREMENTS: PHI LOCATION: HTTPS://PHILVZWSMART.COM SMART TOOL PROJECT #: 10129447 NZW LOCATION CODE (RLC): 469431 ANALYSIS DATE: 03/16/2022
PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

DESIGN CRITERIA
WIND LOADS BASIC WIND SPEED (3 SECOND GUST), V = 140 MPH EXPOSURE CATEGORY: C TOPOGRAPHIC CATEGORY: 1 MEAN BASE ELEVATION (AMSL) = 161.46'
ICE LOADS ICE WIND SPEED (3 SECOND GUST), V = 50 MPH ICE THICKNESS = 1.00 IN
SEISMIC LOADS SEISMIC DESIGN CATEGORY: C SHORT TERM PEAK GROUND MOTION, S ₁ = 186 LONG TERM PEAK GROUND MOTION, S ₂ = 092

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SHEET INDEX

PROJECT INFORMATION

DESIGN CRITERIA

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NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

PROJECT NOTES

- SEE MODIFICATION NOTES
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER REGULATING GOVERNING AUTHORITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL STATE, COUNTY OR MUNICIPAL AUTHORITIES.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES ON THE PROJECT. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF THE CONSTRUCTION OF THE FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND THE MANUFACTURER'S RECOMMENDATIONS.
- THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS OF EXISTING STRUCTURE SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE OBSERVED. EQUIPMENT SHOULD BE SHUT DOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL PROTECTIVE EQUIPMENT (PPE) MUST BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
- NO NOISE, SMOKE, DUST OR ODOOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
- THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

- THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-323-H MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
- CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING UTILITIES AND STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK. ORDERING MATERIAL AND PREPARING OF SHOP DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND THE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE INFRASTRUCTURE, NOTIFY THE ENGINEER IMMEDIATELY.
- IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE DRAWINGS SHALL BE PERFORMED BY A QUALIFIED WORKER WITH TOWER CONSTRUCTION EXPERIENCE.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
- ALL CONSTRUCTION MEANS AND METHODS, INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF THE FACILITY. THE CONTRACTOR SHALL MEET ALL TIA-323 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND COMPLETING ALL MODIFICATION PROGRAMS IN ACCORDANCE WITH ALL APPLICABLE SAFETY CODES.
- WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30 MPH). THE STRUCTURES SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS SHALL BE REMOVED IMMEDIATELY AFTER THEIR USE. CONTRACTOR SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
- ALL INSTALLATIONS PERFORMED ON THE STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
- CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOPRAC, GROUNDING, AND OTHER ITEMS SHALL BE REINSTALLED TO ORIGINAL CONDITION. APPROVAL REQUIRED TO ACHIEVE OWNER APPROVAL POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
- CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
- DO NOT SCALE DRAWINGS.
- DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
- ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ALL MATERIALS SHALL BE OF THE SAME GRADE AND SIZE AND TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
- THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

- DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
 - SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
 - AISC CODE OF STANDARD PRACTICE
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:
 - CHANNELS, ANGLES, PLATES, ETC. ASTM A36 (GR 36)
 - STEEL PIPE ASTM A53 (GR 35)
 - BOLTS ASTM A325
 - NUTS ASTM A563
 - LOCKING STRUCTURAL GRADE LOCK WASHERS
- ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES BETWEEN ORIGINAL DESIGN AND SUBSTITUTE SHALL BE NOTED. ESTIMATES OF COSTS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING REDISIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
- PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
 - SUBMIT SHOP DRAWINGS TO PETER.ALBANO@COLLIERENGINEERING.COM
- PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
- DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
- GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
- ALL NEW STEEL SHALL BE HOT DIP GALVANIZED FOR FULL WEATHER PROTECTION. EXISTING STRUCTURAL STEEL SHALL BE PAIRED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
- CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).
- ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-323-H SECTION 4.9.2 REQUIREMENTS.
- WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
- FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING DISTANCE AND SPACING.

- ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE MEMBER AND TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
- GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
- ALL EXISTING PAINTED GALVANIZED SURFACES DAMAGED DURING REPAIRS INCLUDING AREAS UNDER STRENGTHENING PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
- ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

WELDING NOTES

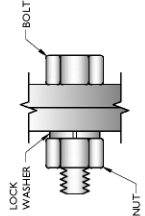
- ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTOR (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
- CONTRACTOR IS RESPONSIBLE FOR COMPLETING A THIRD PARTY INSPECTION REPORT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
- THE CERTIFIED WELD INSPECTOR SHALL INDICATE IN A WRITTEN CWI REPORT THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH THE EXCEPTION OF ANY WELDING OPERATIONS THAT REQUIRE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
- IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
- OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED.
- ALL CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
- CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.
- CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA AND/AS329 A10.48, ANS1 Z89.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

BOLT SCHEDULE (IN.)

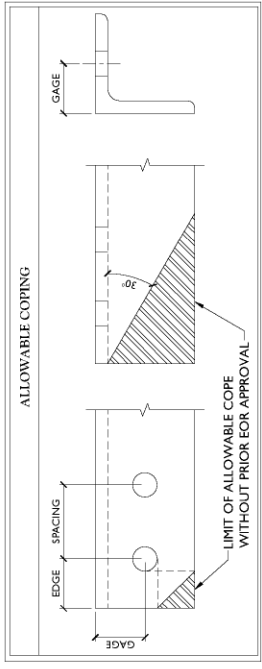
BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 1 1/16	7/8	1 1/2
5/8	1 1/16	1 1/16 x 7/8	1 1/8	1 7/8
3/4	1 3/16	1 3/16 x 1	1 1/4	2 1/4
7/8	1 5/16	1 5/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 5/16	1 3/4	3

WORKABLE GAGES (IN.)

LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



- NOTES:**
- ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
 - THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS MAY VARY WITHIN THE TOLERANCES PERMITTED FROM THE AISC MINIMUM REQUIREMENTS.
 - SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS.
 - MATCH EXISTING GAGES WHEN APPLICABLE UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.



Colliers Engineering & Design
www.colliersengineering.com
10000 2322 Cedar Springs Drive, Newark, CT 06858
Phone: 203.338.8800
Fax: 203.338.8801
Email: info@colliersengineering.com

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REV	DATE	DESCRIPTION	BY	CHKD
1	1/15/2025	ISSUED FOR PERMIT	DA	DA
2	1/15/2025	REVISIONS	DA	DA
3	1/15/2025	REVISIONS	DA	DA
4	1/15/2025	REVISIONS	DA	DA
5	1/15/2025	REVISIONS	DA	DA

COLLIERS ENGINEERING & DESIGN
2177777A

UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, NO OTHER PERSON SHALL BE PERMITTED TO SEAL THESE DRAWINGS.

Caliber Engineering & Design

MODIFICATION NOTES

SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

NO.	SYMBOL	DESCRIPTION	DATE	BY	CHKD
1	SYMBOL	DESCRIPTION	DATE	BY	CHKD
2	SYMBOL	DESCRIPTION	DATE	BY	CHKD
3	SYMBOL	DESCRIPTION	DATE	BY	CHKD
4	SYMBOL	DESCRIPTION	DATE	BY	CHKD
5	SYMBOL	DESCRIPTION	DATE	BY	CHKD
6	SYMBOL	DESCRIPTION	DATE	BY	CHKD
7	SYMBOL	DESCRIPTION	DATE	BY	CHKD
8	SYMBOL	DESCRIPTION	DATE	BY	CHKD
9	SYMBOL	DESCRIPTION	DATE	BY	CHKD
10	SYMBOL	DESCRIPTION	DATE	BY	CHKD

COLLIERS ENGINEERING & DESIGN, INC. P.O. BOX 10000
GROTON, CT 06340-0000

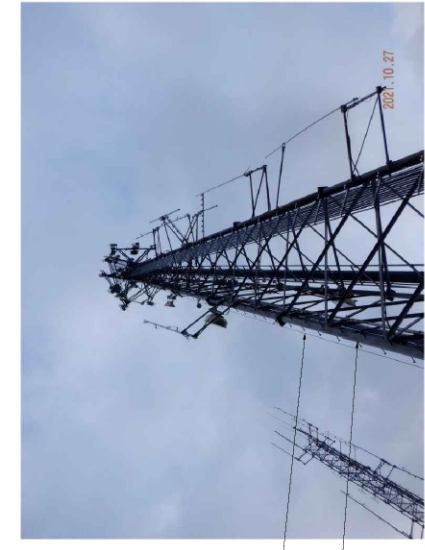
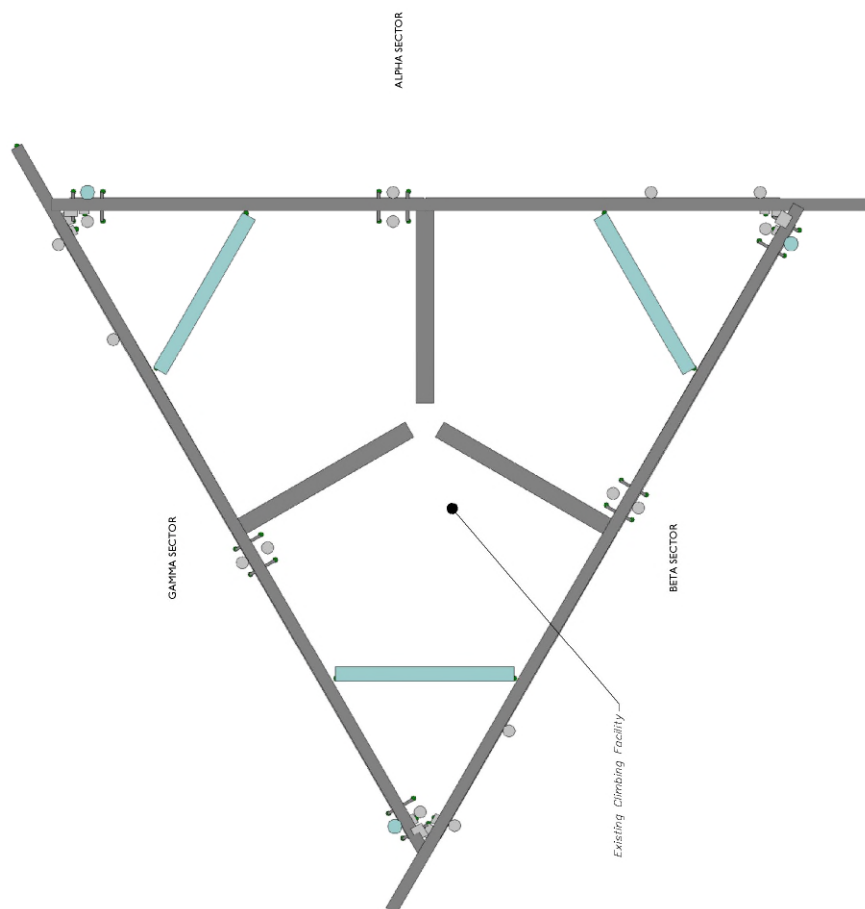
WE AS A PROFESSIONAL ENGINEERING FIRM, AND OUR ENGINEERS, ARCHITECTS, SURVEYORS, AND OTHER PROFESSIONALS, ARE NOT PROVIDING PROFESSIONAL SERVICES TO YOU UNLESS WE ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, ARCHITECT, SURVEYOR, OR OTHER PROFESSIONAL.

SITE NAME:
GROTON CT
769431
68 GROTON LONG POINT
GROTON, CT 06340
NEW LONDON COUNTY

Colliers
Engineering & Design
2000 STATE STREET
GROTON, CT 06340
PHONE: 203.333.0000
WWW.COLLIERSENGINEERING.COM

CLIMBING FACILITY DETAIL

SCF-1



CLIMBING FACILITY PHOTO

1 CLIMBING FACILITY LOCATION
SCALE: N.T.S.

- STRUCTURAL NOTES:**
- PER THE MOUNT MAPPING COMPLETED BY RKS DESIGN & ENGINEERING, LLC ON 10/27/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (142'-6") ARE IN GOOD CONDITION. MASER CONSULTING DOES NOT WARRANT THIS INFORMATION.
 - INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

LEGEND:

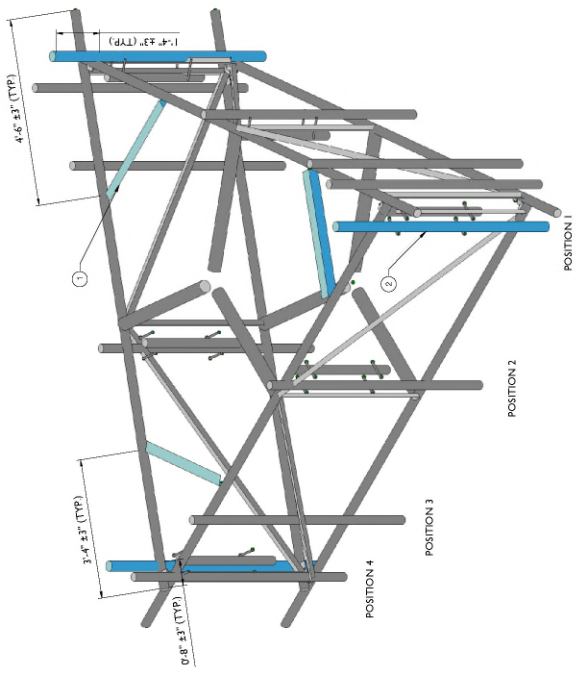
- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1		1	PROPOSED PLATFORM SUPPORT RAIL BRACING (PART #: VZWSMART-PLK2)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.
2	142'-6"	3	PROPOSED 72" LONG, P2 1/2 STD PART #: VZWSMART-1P40-278X072)	REMOVE THE EXISTING PIPE FROM POSITION 1 OF EACH SECTOR. CONNECT THE NEW MOUNT PIPE TO EXISTING HORIZONTALS IN THE SAME POSITION WITH CROSSOVER PLATES (VZWSMART-MSK1). RECONNECT THE EXISTING EQUIPMENT PIPE TO THE BACK OF THE PROPOSED PIPE USING EXISTING PIPE TO PIPE HARDWARE IN THE SAME POSITION.

NOTES:

MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.



PROPOSED ISOMETRIC VIEW

SCALE: N.T.S.

1

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www.colliersengineering.com
1000 E. 120th Street, Suite 1000, Cleveland, OH 44115
Tel: 216.261.1000 Fax: 216.261.1001
colliers@colliersengineering.com

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NO.	AS SHOWN	QUANTITY	DESCRIPTION	UNIT
1	1/2\"/>			

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217776A

USE AND REUSE MATERIALS AND COMPONENTS UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE ENGINEER OR PROFESSIONAL ENGINEER IN CHARGE OF THE PROJECT.

SITE NAME:
GROTON CT
469431
68 GROTON LONG POINT
GROTON CT 06340
NEW LONDON COUNTY

Colliers Engineering & Design
1000 E. 120th Street, Suite 1000
Cleveland, OH 44115
Tel: 216.261.1000 Fax: 216.261.1001
colliers@colliersengineering.com

MODIFICATION DETAILS
SHEET TITLE: SS-1

NO.	AS SHOWN	QUANTITY	REMARKS
1	CONCRETE FOUNDATION	5A	5A
2	STEEL STRUCTURE	5A	5A
3	STEEL STRUCTURE	5A	5A
4	STEEL STRUCTURE	5A	5A
5	STEEL STRUCTURE	5A	5A
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97	STEEL STRUCTURE	5A	5A
98	STEEL STRUCTURE	5A	5A
99	STEEL STRUCTURE	5A	5A
100	STEEL STRUCTURE	5A	5A

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 100 STATE STREET, SUITE 200
 GROTON, CT 06340

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SITE NAME:
 GROTON CT
 469431
 68 GROTON LONG POINT
 GROTON, CT 06340
 NEW LONDON COUNTY

SCALE: AS SHOWN
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DATE: [Date]

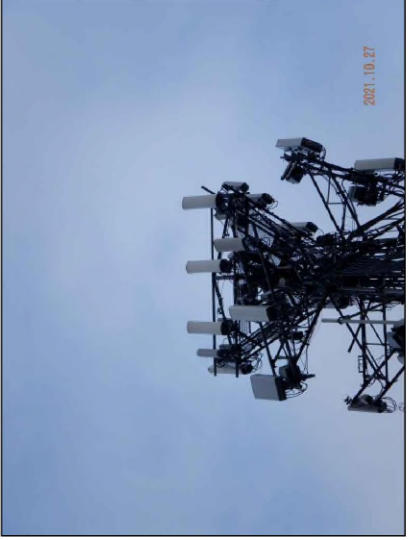
MOUNT PHOTOS
 SHEET NO. SS-2



MOUNT PHOTO 2



MOUNT PHOTO 4



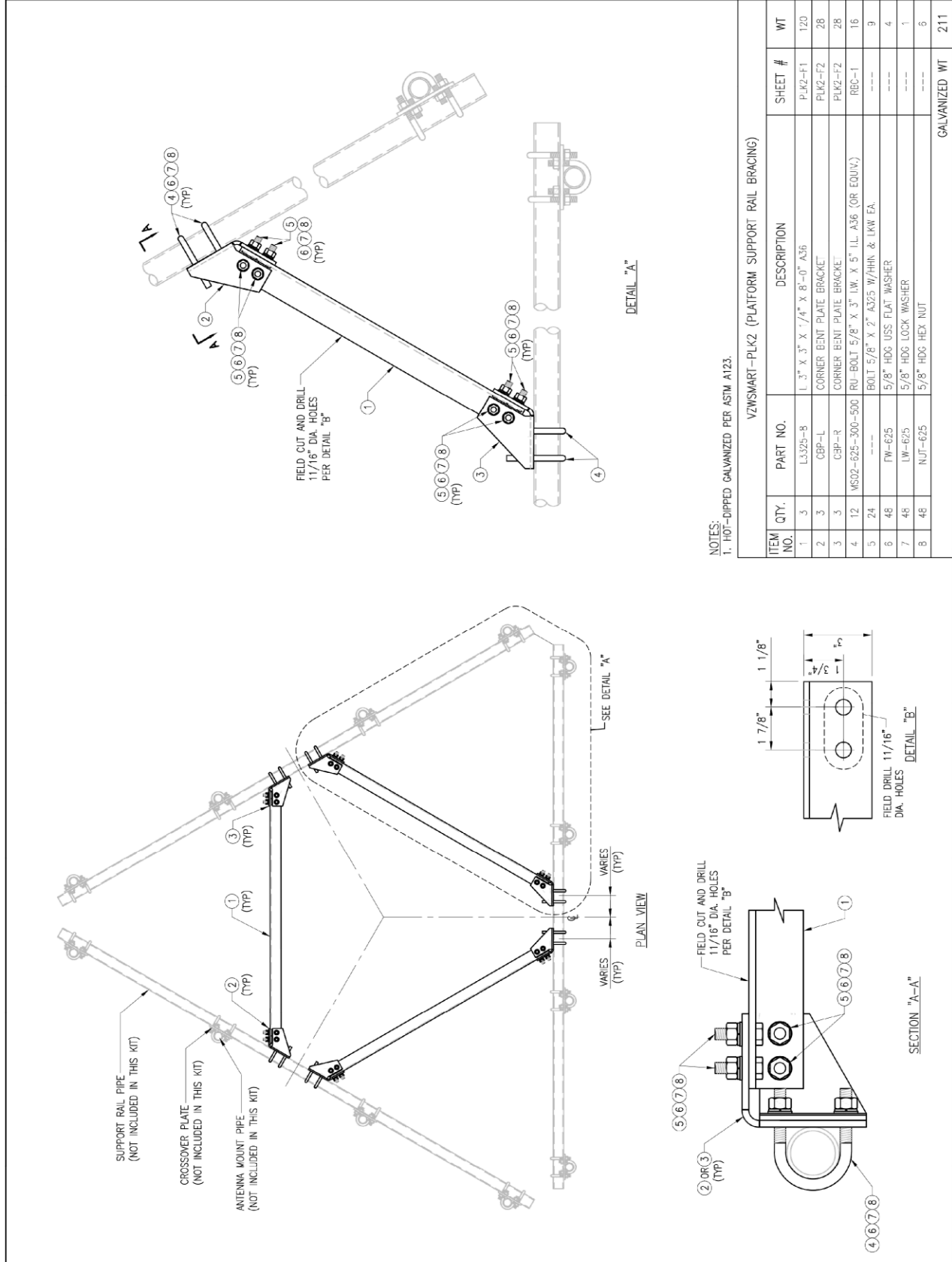
MOUNT PHOTO 1



MOUNT PHOTO 3

DRAWN BY: CH/RH	CHECKED BY: HMA/XW
REV. DESCRIPTION	BY DATE
1. FIRST ISSUE	CH/RH 05/08/20

SHEET TITLE:	VZWSMART-PLK2 PLATFORM SUPPORT RAIL KIT
SHEET NUMBER:	VZWSMART-PLK2
REV. #:	0

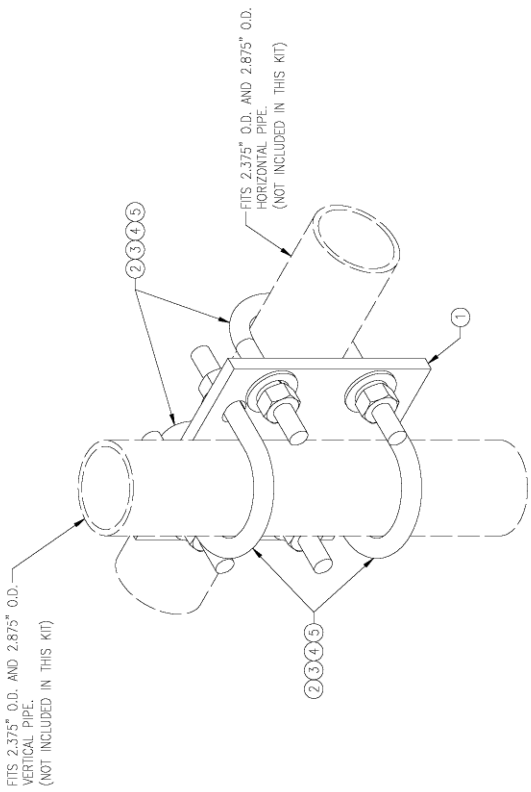
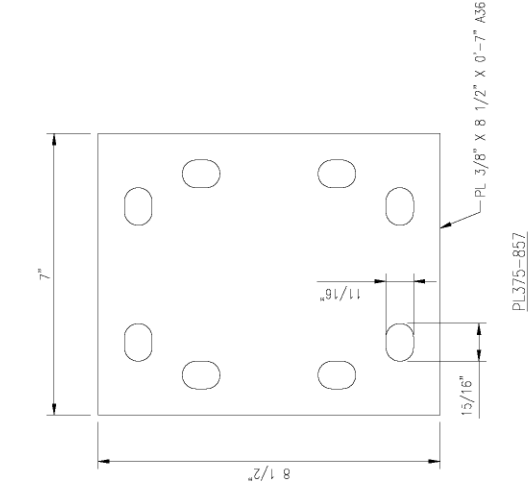


NOTES:
 1. HOT-DIPPED GALVANIZED PER ASTM A123.

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	L3325-8	1. 3" X 3" X 7/4" X 8'-0" A36	PLK2-F1	120
2	3	CBP-L	CORNER BENT PLATE BRACKET	PLK2-F2	28
3	3	CBP-R	CORNER BENT PLATE BRACKET	PLK2-F2	28
4	12	WS02-625-300-500	RU-BOLT 5/8" X 3" LW. X 5" I.L. A36 (OR EQUIV.)	REC-1	16
5	24	---	BOLT 5/8" X 2" A325 W/HHN. & LKW EA.	---	9
6	48	FW-625	5/8" HDG USS FLAT WASHER	---	4
7	48	LW-625	5/8" HDG LOCK WASHER	---	1
8	48	NUT-625	5/8" HDG HEX NUT	---	8
GALVANIZED WT					211

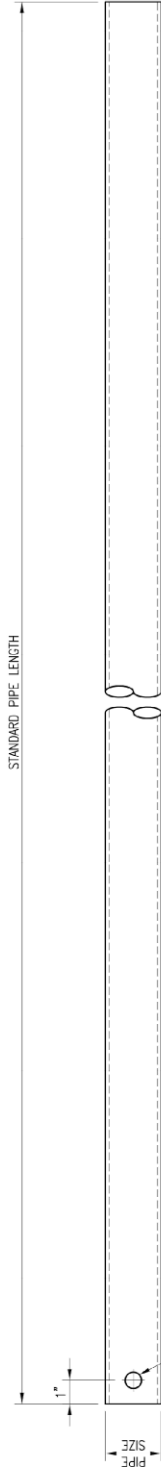
DRAWN BY: H.R.	CHECKED BY: HMA
REV. DESCRIPTION	BY DATE
△ FIRST ISSUE	H.R. 05/08/20
△	
△	
△	
△	

SHEET TITLE:	
VZWSMART-MSK1	
CROSSOVER PLATE	
SHEET NUMBER:	REV #:
VZWSMART-MSK1	0



ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0"-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RJ-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDC USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDC LOCK WASHER	---	0
5	8	NUT-625	5/8" HDC HEX NUT	---	1
				GALVANIZED WT	1.4

NOTES:
 1. HOT-DIPPED GALVANIZED PER ASTM A123.



SEE NOTE "3" & "4"
 (TYP)

VZWSMART Standard Pipe		
VZWSMART Number	Size	Length
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

NOTE:
 APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE, AT THEIR DISCRETION
 PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE.
 SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

- NOTES:**
1. ALL PIPE GRADE A53-B OR BETTER.
 2. HOT-DIPPED GALVANIZED PER ASTM A123.
 3. ALL HOLES ARE 1/16" DIA. U.N.O.
 4. HOLES MAY OR MAY NOT BE PRESENT. DEPEND UPON MANUFACTURE DISCRETION.
 5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINCA OR ZINC COE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

DRAWN BY: BT	CHECKED BY: HMA/JW
REV. DESCRIPTION	BY DATE
△ FIRST ISSUE	BT 08/04/21
△	
△	
△	

SHEET TITLE:
 VZWSMART
 STANDARD PIPE

SHEET NUMBER: VZWSMART-PIPE	REV #: 0
--------------------------------	-------------



2021.10.27



10/27/2021

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	COAX TOTAL (14): (12) FH 1 5/8, (2) 1.50"Ø HYBRID.	
2		
3		
4		
5		
6		
7		
8		

Observed Obstructions to Tower Lighting System			
If the tower lighting system is being obstructed by the carrier's equipment (for example: a light nested by the antennas), please provide photos and fill in the information below.			Photo #
Description of Obstruction:			
Type of Light:	Photo #	Additional Comments:	
Lighting Technology:	Photo #		
Elevation (AGL) at base of light (Ft.):	Photo #		
Is a service loop available?	Photo #		
Is beacon installed on an extension?	Photo #		

Mapping Notes
<p>1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)</p> <p>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.</p> <p>3. Please create all required detail sketches of the mounts and insert them into the "Sketches" tab.</p> <p>4. Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.</p> <p>5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.</p> <p>6. Please measure and report the size and length of all existing antenna mounting pipes.</p> <p>7. Please measure and report the antenna information for all sectors.</p> <p>8. Don't delete or rearrange any sheet or contents of any sheet from this mapping form.</p>

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.



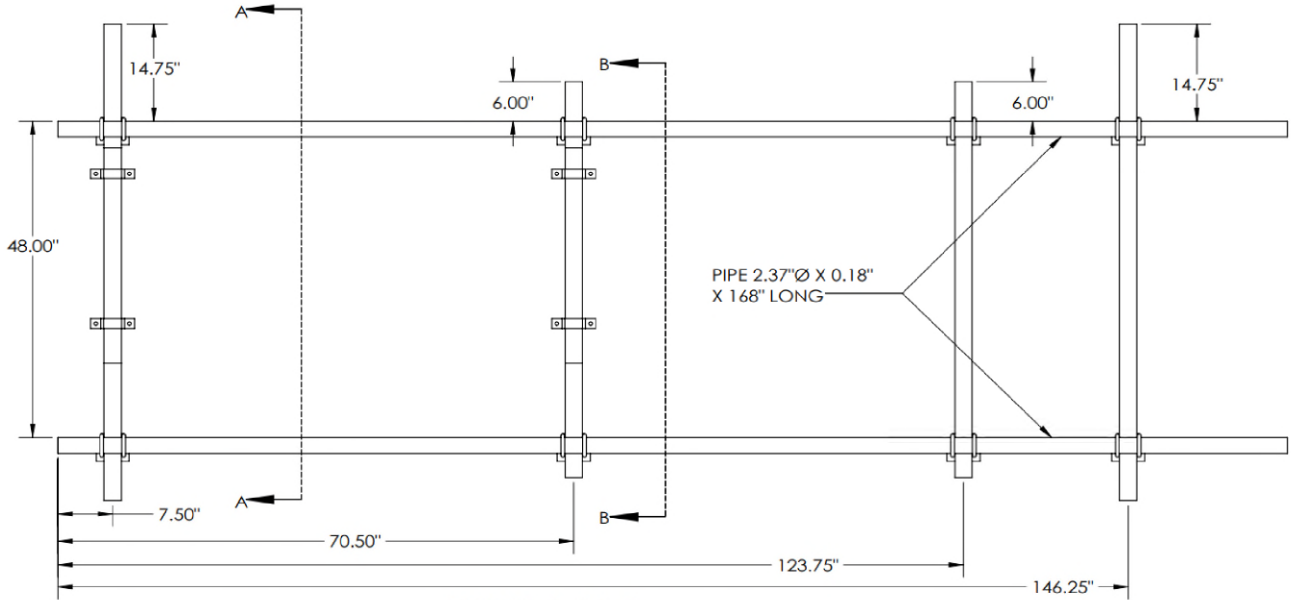
Antenna Mount Mapping Form (PATENT PENDING)

FCC #	UNKNOWN
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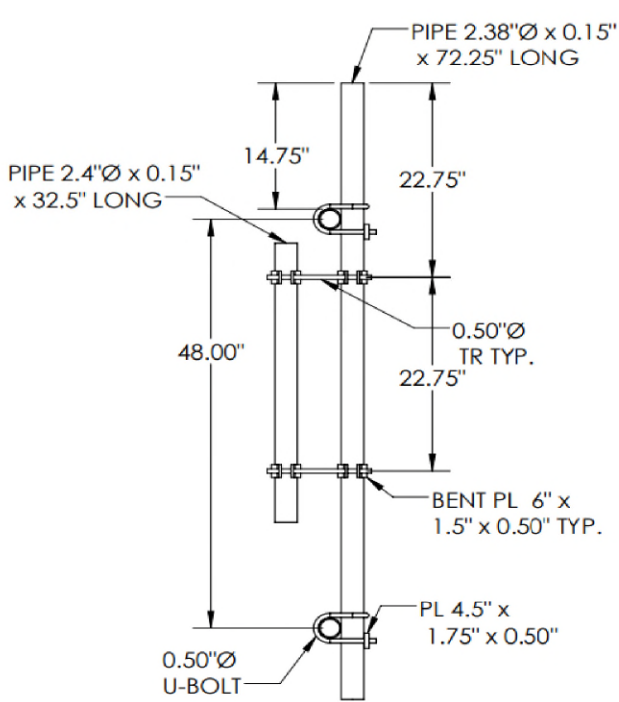
Tower Owner:	UNKNOWN	Mapping Date:	10/27/2021
Site Name:	VZW : GROTON CT	Tower Type:	Monopole
Site Number or ID:	VZW : 469431	Tower Height (FT.):	139.5
Mapping Contractor:	RKS Design & Engineering, LLC	Mount Elevation (FT.):	142

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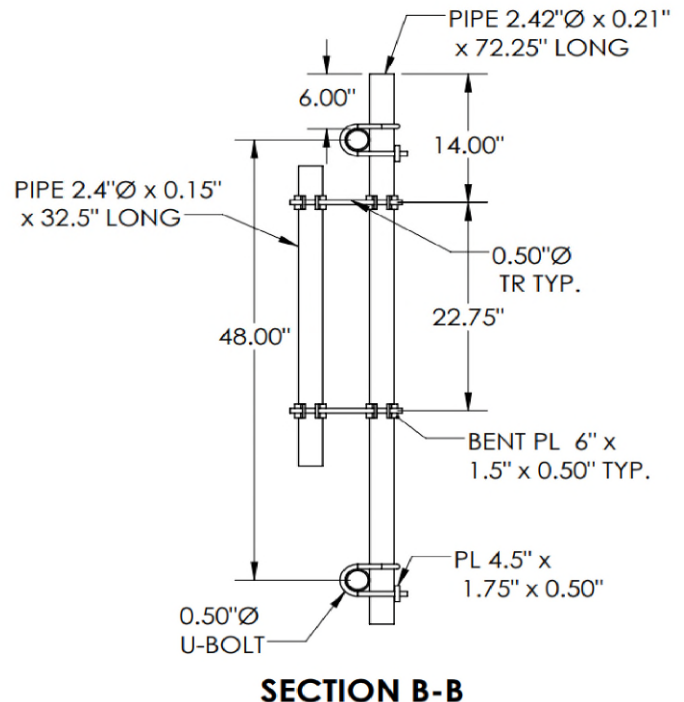
Please Insert Sketches of the Antenna Mount



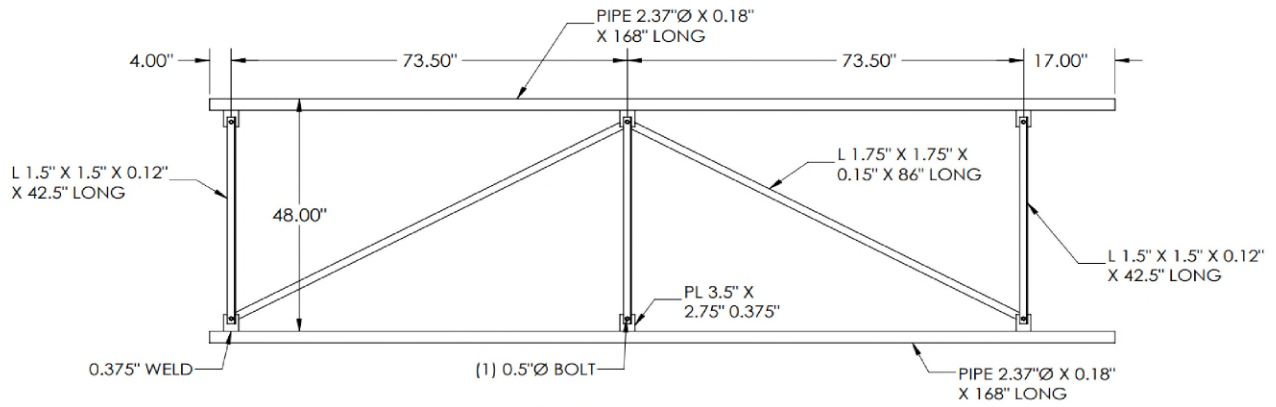
SECTION A, B & C



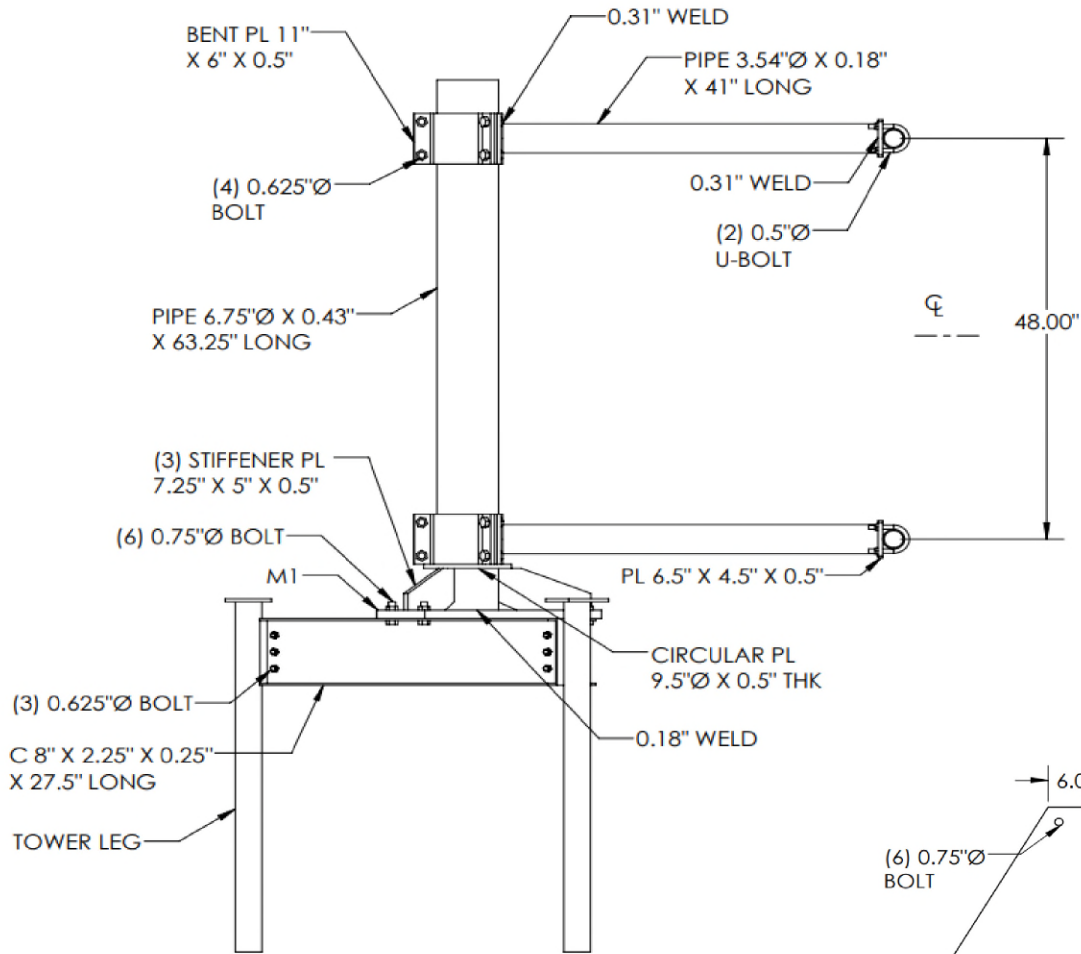
SECTION A-A



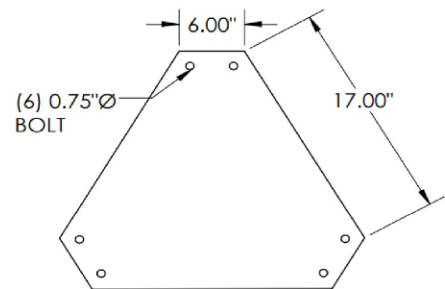
SECTION B-B



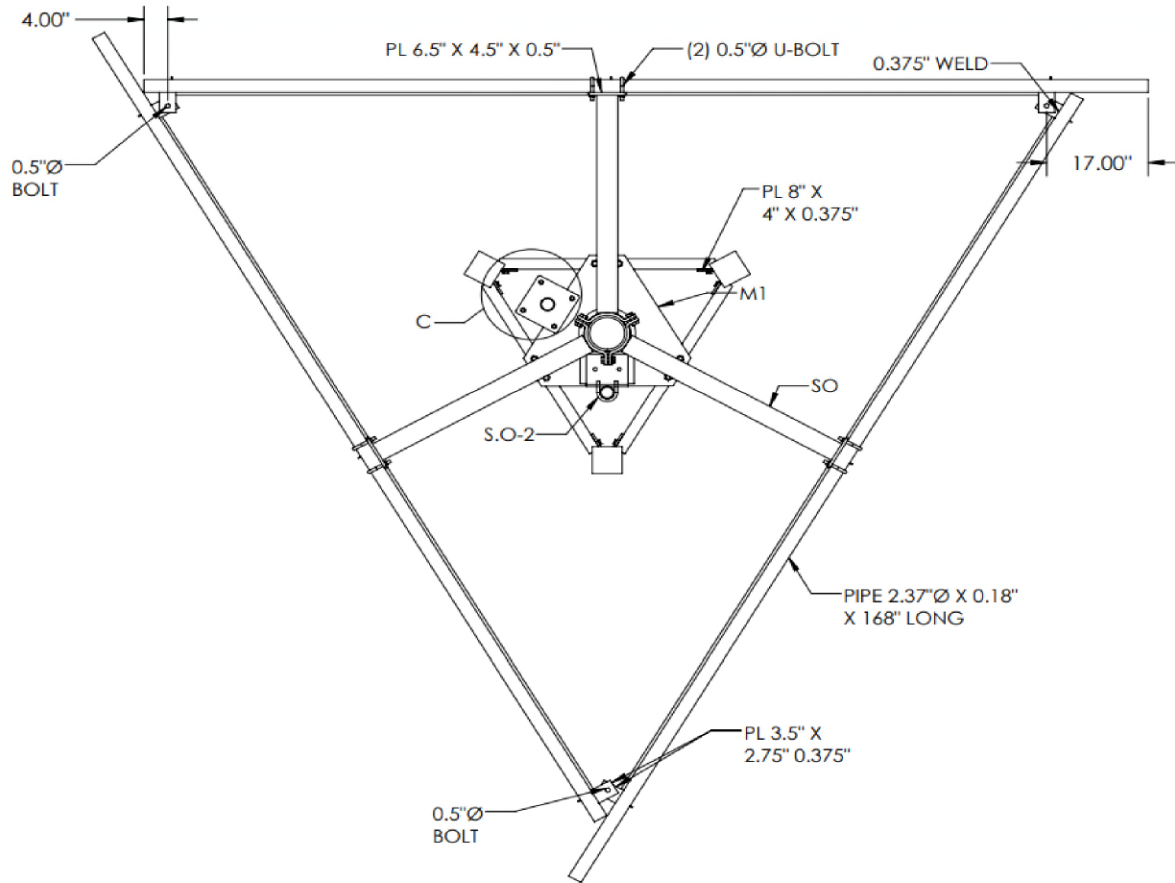
SECTOR VIEW



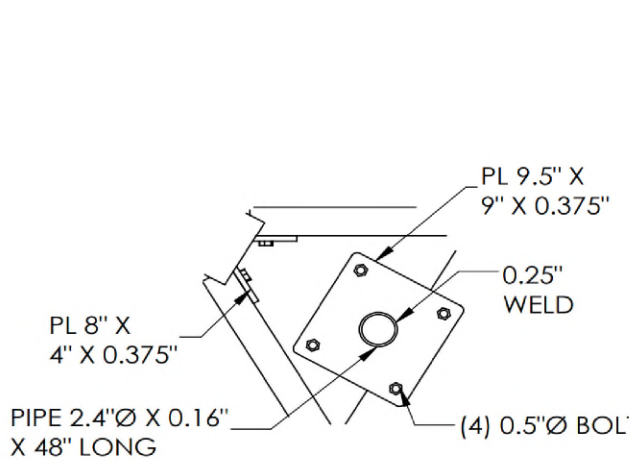
STANDOFF VIEW



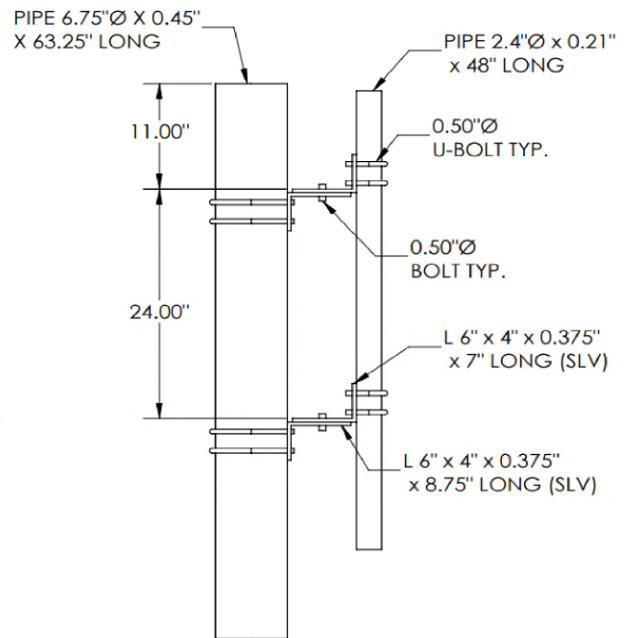
**M1 MEMBER DETAIL
1" THK**



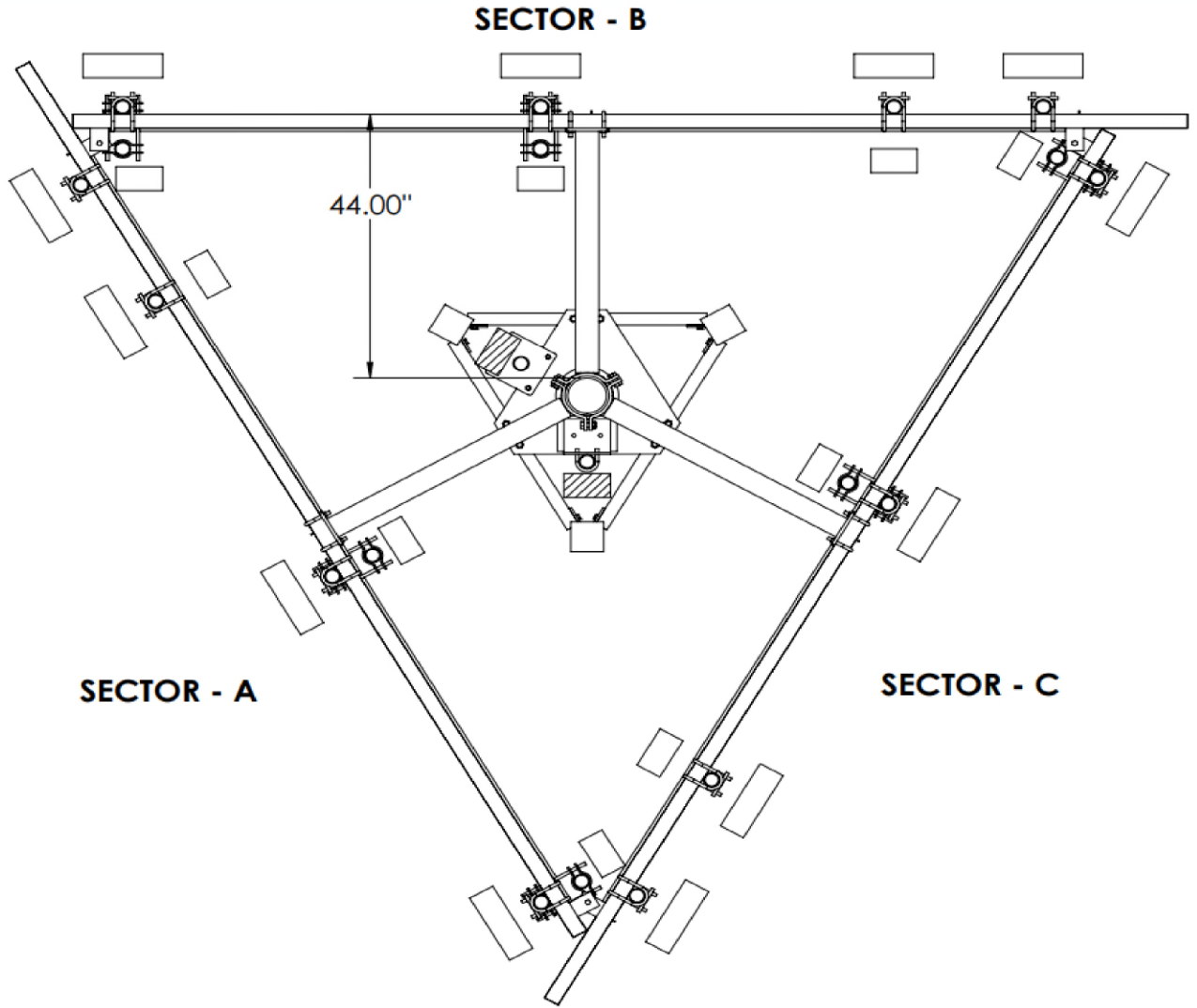
MOUNT PAN VIEW



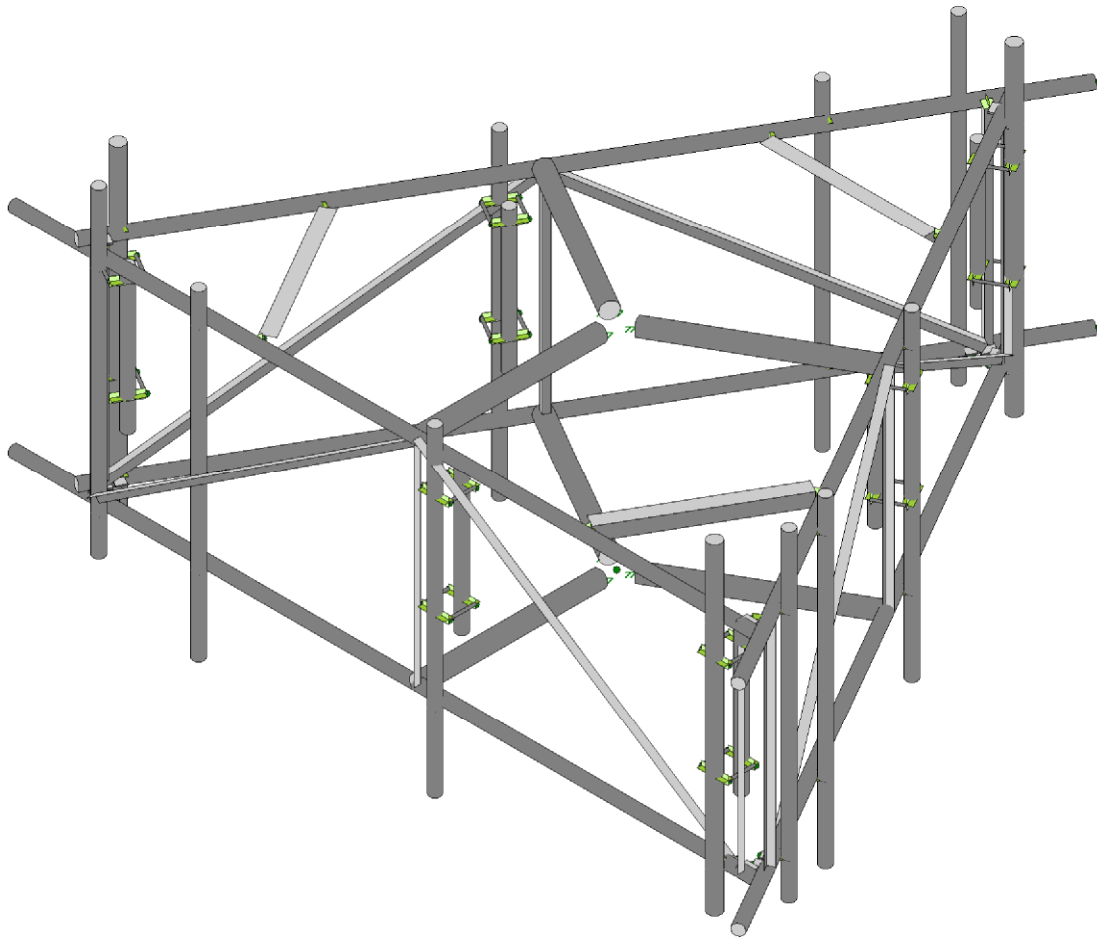
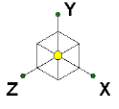
DETAIL C



STAND OFF VIEW-2



ANTENNA PLAN VIEW



Envelope Only Solution

Maser Consulting

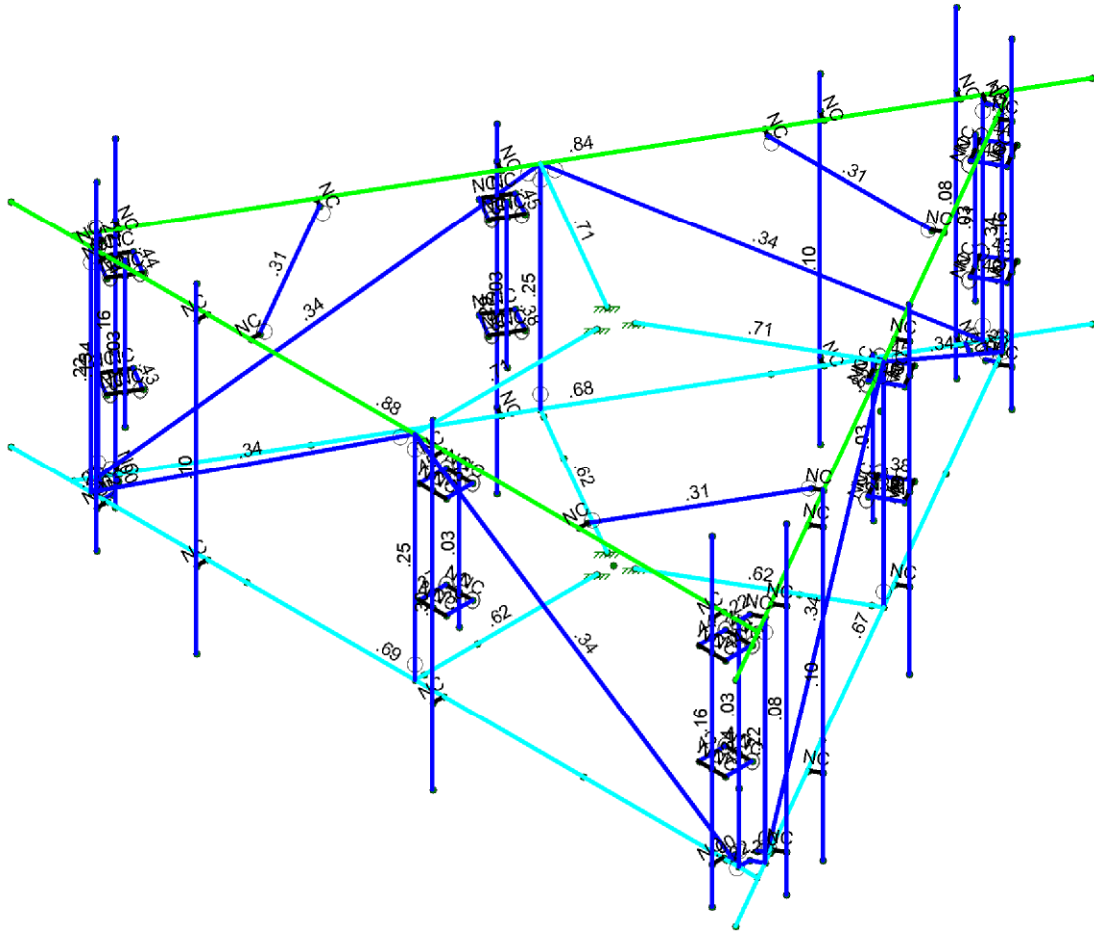
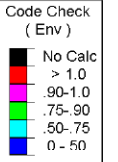
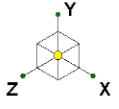
Project No. 10129647

469431-VZW_MT_LO_H

SK - 3

Mar 18, 2022 at 9:21 AM

469431-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
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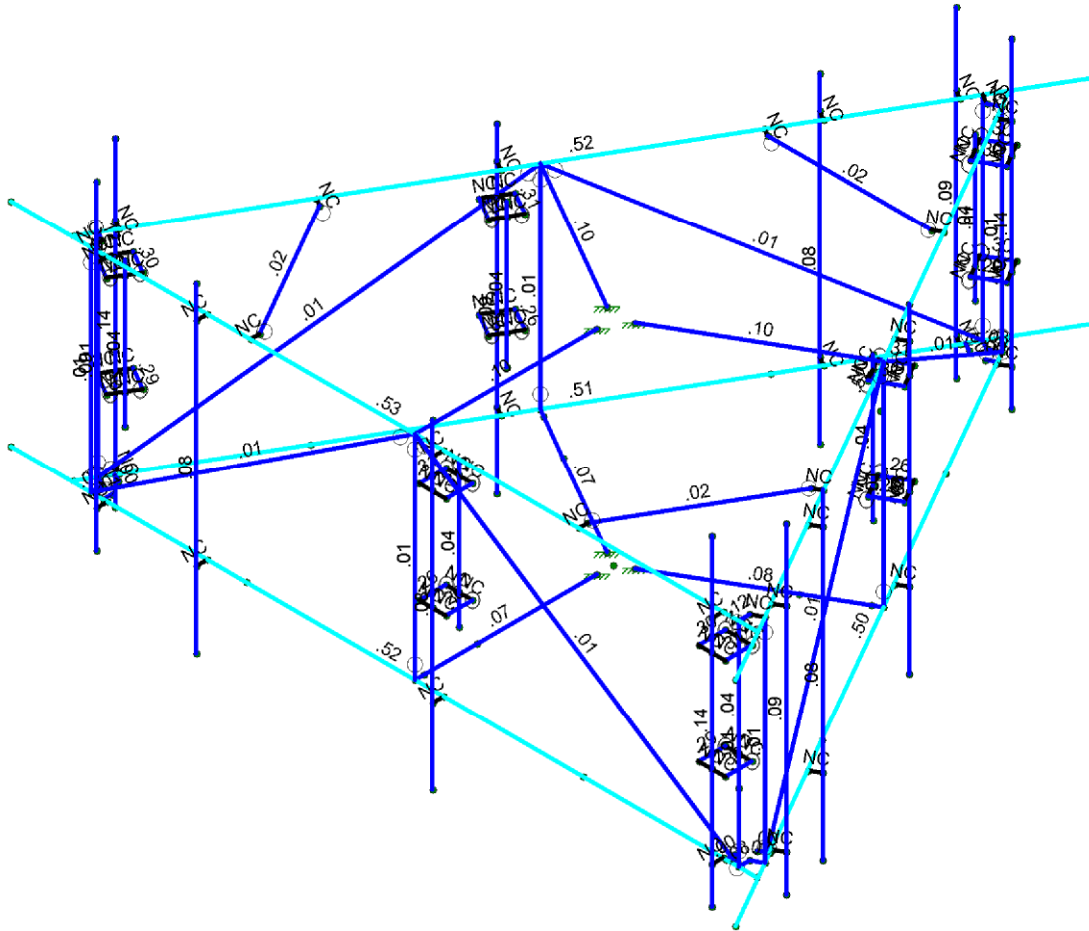
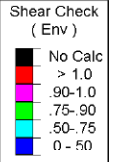
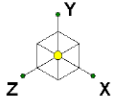
469431-VZW_MT_LO_H

SK - 4

Mar 18, 2022 at 9:21 AM

Project No. 10129647

469431-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

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469431-VZW_MT_LO_H

SK - 5

Mar 18, 2022 at 9:21 AM

Project No. 10129647

469431-VZW_MT_LO_H.r3d



Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	Antenna D	None					90		
2	Antenna Di	None					90		
3	Antenna Wo (0 Deg)	None					90		
4	Antenna Wo (30 Deg)	None					90		
5	Antenna Wo (60 Deg)	None					90		
6	Antenna Wo (90 Deg)	None					90		
7	Antenna Wo (120 Deg)	None					90		
8	Antenna Wo (150 Deg)	None					90		
9	Antenna Wo (180 Deg)	None					90		
10	Antenna Wo (210 Deg)	None					90		
11	Antenna Wo (240 Deg)	None					90		
12	Antenna Wo (270 Deg)	None					90		
13	Antenna Wo (300 Deg)	None					90		
14	Antenna Wo (330 Deg)	None					90		
15	Antenna Wi (0 Deg)	None					90		
16	Antenna Wi (30 Deg)	None					90		
17	Antenna Wi (60 Deg)	None					90		
18	Antenna Wi (90 Deg)	None					90		
19	Antenna Wi (120 Deg)	None					90		
20	Antenna Wi (150 Deg)	None					90		
21	Antenna Wi (180 Deg)	None					90		
22	Antenna Wi (210 Deg)	None					90		
23	Antenna Wi (240 Deg)	None					90		
24	Antenna Wi (270 Deg)	None					90		
25	Antenna Wi (300 Deg)	None					90		
26	Antenna Wi (330 Deg)	None					90		
27	Antenna Wm (0 Deg)	None					90		
28	Antenna Wm (30 Deg)	None					90		
29	Antenna Wm (60 Deg)	None					90		
30	Antenna Wm (90 Deg)	None					90		
31	Antenna Wm (120 De...	None					90		
32	Antenna Wm (150 De...	None					90		
33	Antenna Wm (180 De...	None					90		
34	Antenna Wm (210 De...	None					90		
35	Antenna Wm (240 De...	None					90		
36	Antenna Wm (270 De...	None					90		
37	Antenna Wm (300 De...	None					90		
38	Antenna Wm (330 De...	None					90		
39	Structure D	None		-1					10
40	Structure Di	None						87	10
41	Structure Wo (0 Deg)	None						174	
42	Structure Wo (30 Deg)	None						174	
43	Structure Wo (60 Deg)	None						174	
44	Structure Wo (90 Deg)	None						174	
45	Structure Wo (120 D...	None						174	
46	Structure Wo (150 D...	None						174	
47	Structure Wo (180 D...	None						174	
48	Structure Wo (210 D...	None						174	



Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
49	Structure Wo (240 D...	None						174	
50	Structure Wo (270 D...	None						174	
51	Structure Wo (300 D...	None						174	
52	Structure Wo (330 D...	None						174	
53	Structure Wi (0 Deg)	None						174	
54	Structure Wi (30 Deg)	None						174	
55	Structure Wi (60 Deg)	None						174	
56	Structure Wi (90 Deg)	None						174	
57	Structure Wi (120 De...	None						174	
58	Structure Wi (150 De...	None						174	
59	Structure Wi (180 De...	None						174	
60	Structure Wi (210 De...	None						174	
61	Structure Wi (240 De...	None						174	
62	Structure Wi (270 De...	None						174	
63	Structure Wi (300 De...	None						174	
64	Structure Wi (330 De...	None						174	
65	Structure Wm (0 Deg)	None						174	
66	Structure Wm (30 D...	None						174	
67	Structure Wm (60 D...	None						174	
68	Structure Wm (90 D...	None						174	
69	Structure Wm (120 ...	None						174	
70	Structure Wm (150 ...	None						174	
71	Structure Wm (180 ...	None						174	
72	Structure Wm (210 ...	None						174	
73	Structure Wm (240 ...	None						174	
74	Structure Wm (270 ...	None						174	
75	Structure Wm (300 ...	None						174	
76	Structure Wm (330 ...	None						174	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	Antenna Ev	None					90		
82	Antenna Eh (0 Deg)	None					60		
83	Antenna Eh (90 Deg)	None					60		
84	Structure Ev	ELY		-.04					10
85	Structure Eh (0 Deg)	ELZ			-.149				10
86	Structure Eh (90 Deg)	ELX	.149						10
87	BLC 39 Transient Are...	None						92	
88	BLC 40 Transient Are...	None						92	

Load Combinations

	Description	S...	PDelta	S...	B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...
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 De...	Yes	Y		1	1.2	39	1.2	7	1	45	1			
6	1.2D+1.0Wo (150 De...	Yes	Y		1	1.2	39	1.2	8	1	46	1			
7	1.2D+1.0Wo (180 De...	Yes	Y		1	1.2	39	1.2	9	1	47	1			



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

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Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	
8	1.2D+1.0Wo (210 De...)	Yes	Y		1	1.2	39	1.2	10	1	48	1				
9	1.2D+1.0Wo (240 De...)	Yes	Y		1	1.2	39	1.2	11	1	49	1				
10	1.2D+1.0Wo (270 De...)	Yes	Y		1	1.2	39	1.2	12	1	50	1				
11	1.2D+1.0Wo (300 De...)	Yes	Y		1	1.2	39	1.2	13	1	51	1				
12	1.2D+1.0Wo (330 De...)	Yes	Y		1	1.2	39	1.2	14	1	52	1				
13	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1
14	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1
15	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1
16	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1
17	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1
18	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1
19	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1
20	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1
21	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1
22	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1
23	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1
24	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1
25	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1		
26	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1		
27	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1		
28	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1		
29	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1		
30	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1		
31	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1		
32	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1		
33	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1		
34	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1		
35	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1		
36	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1		
37	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1		
38	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1		
39	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1		
40	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1		
41	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1		
42	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1		
43	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1		
44	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1		
45	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1		
46	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1		
47	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1		
48	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1		
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5						
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5						
51	1.4D	Yes	Y		1	1.4	39	1.4								
52	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	81	1	E...	1	82	1	83	ELZ 1 E...
53	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5 ELZ .866 E... .5
54	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866 ELZ .5 E... .866
55	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	81	1	E...	1	82		83	1 ELZ E... 1
56	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866 ELZ -.5 E... .866
57	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	.5 ELZ -.866 E... .5
58	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83	ELZ -1 E...
59	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	-.5 ELZ -.866 E... -.5



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

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Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...	Fac..B...		
60	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.866	ELZ	-.5	E...	-.866
61	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	ELZ		E...	-1
62	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.866	ELZ	.5	E...	-.866
63	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	ELZ	.866	E...	-.5
64	0.9D - 1.0Ev + 1.0Eh...		Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		ELZ	1	E...	
65	0.9D - 1.0Ev + 1.0Eh...		Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	ELZ	.866	E...	.5
66	0.9D - 1.0Ev + 1.0Eh...		Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	ELZ	.5	E...	.866
67	0.9D - 1.0Ev + 1.0Eh...		Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	ELZ		E...	1
68	0.9D - 1.0Ev + 1.0Eh...		Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	ELZ	-.5	E...	.866
69	0.9D - 1.0Ev + 1.0Eh...		Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	.5	ELZ	-.866	E...	.5
70	0.9D - 1.0Ev + 1.0Eh...		Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		ELZ	-1	E...	
71	0.9D - 1.0Ev + 1.0Eh...		Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	-.5	ELZ	-.866	E...	-.5
72	0.9D - 1.0Ev + 1.0Eh...		Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.866	ELZ	-.5	E...	-.866
73	0.9D - 1.0Ev + 1.0Eh...		Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	ELZ		E...	-1
74	0.9D - 1.0Ev + 1.0Eh...		Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.866	ELZ	.5	E...	-.866
75	0.9D - 1.0Ev + 1.0Eh...		Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	ELZ	.866	E...	-.5

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N3	6.083331	0	3.720547	0	
2	N4	-6.083336	0	3.720547	0	
3	N7	0.180421	0	-7.128596	0	
4	N8	6.263755	0	3.408046	0	
5	N9	6.083331	0	3.512213	0	
6	N12	-6.263756	0	3.408049	0	
7	N13	-6.083335	0	3.512215	0	
8	N14	-0.180423	0	-7.128594	0	
9	N15	-0.000003	0	-7.024428	0	
10	N16	-0.000003	0	0.303881	0	
11	N17	0.	0	3.720547	0	
12	N18	-0.263171	0	-0.15194	0	
13	N19	-3.222089	0	-1.860273	0	
14	N20	0.263166	0	-0.15194	0	
15	N21	3.222088	0	-1.860275	0	
16	N25	6.083331	4	3.720547	0	
17	N26	-6.083336	4	3.720547	0	
18	N29	0.180421	4	-7.128596	0	
19	N30	6.263755	4	3.408046	0	
20	N31	6.083331	4	3.512213	0	
21	N34	-6.263756	4	3.408049	0	
22	N35	-6.083335	4	3.512215	0	
23	N36	-0.180423	4	-7.128594	0	
24	N37	-0.000003	4	-7.024428	0	
25	N38	-0.000003	4	0.303881	0	
26	N39	-0.000003	4	3.720547	0	
27	N40	-0.263171	4	-0.15194	0	
28	N41	-3.222089	4	-1.860273	0	
29	N42	0.263166	4	-0.15194	0	
30	N43	3.222088	4	-1.860275	0	
31	N45	6.416664	0	3.720547	0	



Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
32	N46	-7.583336	0	3.720547	0	
33	N67	6.416664	4	3.720547	0	
34	N68	-7.583336	4	3.720547	0	
35	CP	-0.000003	0	0	0	
36	N223A	0.	0	3.553547	0	
37	N224A	0.	0	2.553547	0	
38	N226	3.07746	0	-1.776774	0	
39	N227	2.211434	0	-1.276774	0	
40	N229	-3.077465	0	-1.776774	0	
41	N230	-2.21144	0	-1.276774	0	
42	N235	-5.847762	0	3.553547	0	
43	N237	5.847757	0	3.553547	0	
44	N237A	6.00134	0	3.287535	0	
45	N239	0.15358	0	-6.841082	0	
46	N244	-0.153585	0	-6.841082	0	
47	N246	-6.001345	0	3.287535	0	
48	N242	-5.847762	0	3.720547	0	
49	N243	5.847757	0	3.720547	0	
50	N251	6.145968	0	3.204034	0	
51	N252	0.298208	0	-6.924583	0	
52	N260	-0.298209	0	-6.924581	0	
53	N261	-6.145969	0	3.204036	0	
54	N92A	0.013757	0	-7.417268	0	
55	N93A	7.013757	0	4.707088	0	
56	N94A	0.013757	4	-7.417268	0	
57	N95A	7.013757	4	4.707088	0	
58	N128	-6.430421	0	3.69672	0	
59	N129	0.569579	0	-8.427635	0	
60	N130	-6.430421	4	3.69672	0	
61	N131	0.569579	4	-8.427635	0	
62	N66	5.791664	0	3.720547	0	
63	N67A	0.541664	0	3.720547	0	
64	N68A	-3.895836	0	3.720547	0	
65	N69	-5.770836	0	3.720547	0	
66	N70	5.791664	4	3.720547	0	
67	N71	0.541664	4	3.720547	0	
68	N72	-3.895836	4	3.720547	0	
69	N73	-5.770836	4	3.720547	0	
70	N74	5.791664	0	3.928881	0	
71	N75	0.541664	0	3.928881	0	
72	N76	-3.895836	0	3.928881	0	
73	N77	-5.770836	0	3.928881	0	
74	N78	5.791664	4	3.928881	0	
75	N79	0.541664	4	3.928881	0	
76	N80	-3.895836	4	3.928881	0	
77	N81	-5.770836	4	3.928881	0	
78	N82	5.791664	5.333333	3.928881	0	
79	N83	-5.770836	5.333333	3.928881	0	
80	N84	0.541664	4.604167	3.928881	0	
81	N85	-3.895836	4.604167	3.928881	0	
82	N86	5.791664	-0.6875	3.928881	0	
83	N87	-5.770836	-0.6875	3.928881	0	



Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
84	N88	0.541664	-1.416667	3.928881	0	
85	N89	-3.895836	-1.416667	3.928881	0	
86	N90	5.791664	3.4375	3.928881	0	
87	N91	5.791664	1.541667	3.928881	0	
88	N92	5.541664	3.4375	3.928881	0	
89	N93	5.541664	1.541667	3.928881	0	
90	N94	6.041664	3.4375	3.928881	0	
91	N95	6.041664	1.541667	3.928881	0	
92	N96	5.791664	3.4375	3.428881	0	
93	N97	5.791664	1.541667	3.428881	0	
94	N98	5.541664	3.4375	3.428881	0	
95	N99	5.541664	1.541667	3.428881	0	
96	N100	6.041664	3.4375	3.428881	0	
97	N101	6.041664	1.541667	3.428881	0	
98	N102	5.791664	3.6875	3.428881	0	
99	N103	5.791664	0.979167	3.428881	0	
100	N104	0.541664	3.4375	3.928881	0	
101	N105	0.541664	1.541667	3.928881	0	
102	N106	0.791664	3.4375	3.928881	0	
103	N107	0.791664	1.541667	3.928881	0	
104	N108	0.291664	3.4375	3.928881	0	
105	N109	0.291664	1.541667	3.928881	0	
106	N110	0.541664	3.4375	3.428881	0	
107	N111	0.541664	1.541667	3.428881	0	
108	N112	0.791664	3.4375	3.428881	0	
109	N113	0.791664	1.541667	3.428881	0	
110	N114	0.291664	3.4375	3.428881	0	
111	N115	0.291664	1.541667	3.428881	0	
112	N116	0.541664	3.6875	3.428881	0	
113	N117	0.541664	0.979167	3.428881	0	
114	N118	0.326257	0	-6.876002	0	
115	N119	2.951257	0	-2.329369	0	
116	N120	5.170007	0	1.513619	0	
117	N121	6.107507	0	3.137417	0	
118	N122	0.326257	4	-6.876002	0	
119	N123	2.951257	4	-2.329369	0	
120	N124	5.170007	4	1.513619	0	
121	N125	6.107507	4	3.137417	0	
122	N126	0.506679	0	-6.980169	0	
123	N127	3.131679	0	-2.433535	0	
124	N128A	5.350429	0	1.409453	0	
125	N129A	6.287929	0	3.03325	0	
126	N130A	0.506679	4	-6.980169	0	
127	N131A	3.131679	4	-2.433535	0	
128	N132	5.350429	4	1.409453	0	
129	N133	6.287929	4	3.03325	0	
130	N134	0.506679	5.333333	-6.980169	0	
131	N135	6.287929	5.333333	3.03325	0	
132	N136	3.131679	4.604167	-2.433535	0	
133	N137	5.350429	4.604167	1.409453	0	
134	N138	0.506679	-0.6875	-6.980169	0	
135	N139	6.287929	-0.6875	3.03325	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
136	N140	3.131679	-1.416667	-2.433535	0	
137	N141	5.350429	-1.416667	1.409453	0	
138	N142	0.506679	3.4375	-6.980169	0	
139	N143	0.506679	1.541667	-6.980169	0	
140	N144	0.631679	3.4375	-6.763662	0	
141	N145	0.631679	1.541667	-6.763662	0	
142	N146	0.381679	3.4375	-7.196675	0	
143	N147	0.381679	1.541667	-7.196675	0	
144	N148	0.073666	3.4375	-6.730169	0	
145	N149	0.073666	1.541667	-6.730169	0	
146	N150	0.198666	3.4375	-6.513662	0	
147	N151	0.198666	1.541667	-6.513662	0	
148	N152	-0.051334	3.4375	-6.946675	0	
149	N153	-0.051334	1.541667	-6.946675	0	
150	N154	0.073666	3.6875	-6.730169	0	
151	N155	0.073666	0.979167	-6.730169	0	
152	N156	3.131679	3.4375	-2.433535	0	
153	N157	3.131679	1.541667	-2.433535	0	
154	N158	3.006679	3.4375	-2.650042	0	
155	N159	3.006679	1.541667	-2.650042	0	
156	N160	3.256679	3.4375	-2.217029	0	
157	N161	3.256679	1.541667	-2.217029	0	
158	N162	2.698666	3.4375	-2.183535	0	
159	N163	2.698666	1.541667	-2.183535	0	
160	N164	2.573666	3.4375	-2.400042	0	
161	N165	2.573666	1.541667	-2.400042	0	
162	N166	2.823666	3.4375	-1.967029	0	
163	N167	2.823666	1.541667	-1.967029	0	
164	N168	2.698666	3.6875	-2.183535	0	
165	N169	2.698666	0.979167	-2.183535	0	
166	N170	-6.117921	0	3.155454	0	
167	N171	-3.492921	0	-1.391179	0	
168	N172	-1.274171	0	-5.234167	0	
169	N173	-0.336671	0	-6.857964	0	
170	N174	-6.117921	4	3.155454	0	
171	N175	-3.492921	4	-1.391179	0	
172	N176	-1.274171	4	-5.234167	0	
173	N177	-0.336671	4	-6.857964	0	
174	N178	-6.298343	0	3.051288	0	
175	N179	-3.673343	0	-1.495346	0	
176	N180	-1.454593	0	-5.338333	0	
177	N181	-0.517093	0	-6.962131	0	
178	N182	-6.298343	4	3.051288	0	
179	N183	-3.673343	4	-1.495346	0	
180	N184	-1.454593	4	-5.338333	0	
181	N185	-0.517093	4	-6.962131	0	
182	N186	-6.298343	5.333333	3.051288	0	
183	N187	-0.517093	5.333333	-6.962131	0	
184	N188	-3.673343	4.604167	-1.495346	0	
185	N189	-1.454593	4.604167	-5.338333	0	
186	N190	-6.298343	-0.6875	3.051288	0	
187	N191	-0.517093	-0.6875	-6.962131	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Grating Member	PL1/4x2_...	Beam	BAR	A36 Gr.36	Typical	.5	.003	.167	.01
2	Face Horizontal	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Standoff Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
4	End Plate	PL3/8x2.75	Beam	RECT	A36 Gr.36	Typical	1.031	.012	.65	.044
5	Vertical Face Braci...	L1.5x1.5x...	Column	Single Angle	A36 Gr.36	Typical	.359	.078	.078	.002
6	Diagonal Face Angle	L1.75X1....	Column	Single Angle	A36 Gr.36	Typical	.621	.179	.179	.007
7	Mount Pipe_1	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
8	Mount Pipe_2	PIPE_2.0X	Column	Pipe	A53 Gr.B	Typical	1.4	.827	.827	1.65
9	Threaded Rod	SR_0.5	Beam	None	A36 Gr.36	Typical	.196	.003	.003	.006
10	Mod Support Rail B..	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
11	Mod Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
1	M40	N46	N45			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M41	N4	N13		90	End Plate	Beam	RECT	A36 Gr.36	Typical
3	M42	N3	N9		90	End Plate	Beam	RECT	A36 Gr.36	Typical
4	M44	N14	N15		90	End Plate	Beam	RECT	A36 Gr.36	Typical
5	M45	N12	N13		90	End Plate	Beam	RECT	A36 Gr.36	Typical
6	M47	N8	N9		90	End Plate	Beam	RECT	A36 Gr.36	Typical
7	M48	N7	N15		90	End Plate	Beam	RECT	A36 Gr.36	Typical
8	M49	N16	N17			Standoff Horizontal	Beam	Pipe	A53 Gr.B	Typical
9	M50	N20	N21			Standoff Horizontal	Beam	Pipe	A53 Gr.B	Typical
10	M51	N18	N19			Standoff Horizontal	Beam	Pipe	A53 Gr.B	Typical
11	M52	N67	N68			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
12	M53	N26	N35		90	RIGID	None	None	RIGID	Typical
13	M54	N25	N31		90	End Plate	Beam	RECT	A36 Gr.36	Typical
14	M56	N36	N37		90	RIGID	None	None	RIGID	Typical
15	M57	N34	N35		90	End Plate	Beam	RECT	A36 Gr.36	Typical
16	M59	N30	N31		90	RIGID	None	None	RIGID	Typical
17	M60	N29	N37		90	End Plate	Beam	RECT	A36 Gr.36	Typical
18	M61	N38	N39			Standoff Horizontal	Beam	Pipe	A53 Gr.B	Typical
19	M62	N42	N43			Standoff Horizontal	Beam	Pipe	A53 Gr.B	Typical
20	M63	N40	N41			Standoff Horizontal	Beam	Pipe	A53 Gr.B	Typical
21	M64	N25	N3		270	Vertical Face Bracing	Column	Single Angle	A36 Gr.36	Typical
22	M65	N39	N17		270	Vertical Face Bracing	Column	Single Angle	A36 Gr.36	Typical
23	M66	N26	N4		270	Vertical Face Bracing	Column	Single Angle	A36 Gr.36	Typical
24	M67	N39	N3		90	Diagonal Face Angle	Column	Single Angle	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
25	M68	N4	N39		90	Diagonal Face Angle	Column	Single Angle	A36 Gr.36	Typical
26	M72	N41	N12		90	Diagonal Face Angle	Column	Single Angle	A36 Gr.36	Typical
27	M73	N14	N41		90	Diagonal Face Angle	Column	Single Angle	A36 Gr.36	Typical
28	M77	N43	N7		90	Diagonal Face Angle	Column	Single Angle	A36 Gr.36	Typical
29	M78	N8	N43		90	Diagonal Face Angle	Column	Single Angle	A36 Gr.36	Typical
30	M182	N237	N243		90	Grating Member	Beam	BAR	A36 Gr.36	Typical
31	M185	N235	N242		90	Grating Member	Beam	BAR	A36 Gr.36	Typical
32	M186	N239	N252		90	Grating Member	Beam	BAR	A36 Gr.36	Typical
33	M189	N237A	N251		90	Grating Member	Beam	BAR	A36 Gr.36	Typical
34	M190	N246	N261		90	Grating Member	Beam	BAR	A36 Gr.36	Typical
35	M193	N244	N260		90	Grating Member	Beam	BAR	A36 Gr.36	Typical
36	M60B	N92A	N93A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
37	M61B	N94A	N95A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
38	M78A	N128	N129			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
39	M79	N130	N131			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
40	MP1A	N82	N86			Mod Mount Pipe	Column	Pipe	A53 Gr.B	Typical
41	MP3A	N85	N89			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
42	MP2A	N84	N88			Mount Pipe_2	Column	Pipe	A53 Gr.B	Typical
43	MP4A	N83	N87			Mount Pipe_2	Column	Pipe	A53 Gr.B	Typical
44	M52A	N78	N70			RIGID	None	None	RIGID	Typical
45	M53A	N74	N66			RIGID	None	None	RIGID	Typical
46	M54A	N75	N67A			RIGID	None	None	RIGID	Typical
47	M55	N76	N68A			RIGID	None	None	RIGID	Typical
48	M56A	N80	N72			RIGID	None	None	RIGID	Typical
49	M57A	N81	N73			RIGID	None	None	RIGID	Typical
50	M58	N77	N69			RIGID	None	None	RIGID	Typical
51	M59A	N90	N92			RIGID	None	None	RIGID	Typical
52	M60A	N90	N94			RIGID	None	None	RIGID	Typical
53	M61A	N91	N93			RIGID	None	None	RIGID	Typical
54	M62A	N91	N95			RIGID	None	None	RIGID	Typical
55	M63A	N97	N99			RIGID	None	None	RIGID	Typical
56	M64A	N97	N101			RIGID	None	None	RIGID	Typical
57	M65A	N96	N98			RIGID	None	None	RIGID	Typical
58	M66A	N96	N100			RIGID	None	None	RIGID	Typical
59	M67A	N98	N92			Threaded Rod	Beam	None	A36 Gr.36	Typical
60	M68A	N100	N94			Threaded Rod	Beam	None	A36 Gr.36	Typical
61	M69A	N99	N93			Threaded Rod	Beam	None	A36 Gr.36	Typical
62	M70A	N101	N95			Threaded Rod	Beam	None	A36 Gr.36	Typical
63	EQUIP1A	N102	N103			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
64	M72A	N79	N71			RIGID	None	None	RIGID	Typical
65	M73A	N105	N109			RIGID	None	None	RIGID	Typical
66	M74A	N111	N115			RIGID	None	None	RIGID	Typical
67	M75A	N111	N113			RIGID	None	None	RIGID	Typical
68	M76A	N105	N107			RIGID	None	None	RIGID	Typical
69	M77A	N104	N108			RIGID	None	None	RIGID	Typical
70	M78B	N104	N106			RIGID	None	None	RIGID	Typical
71	M79A	N110	N114			RIGID	None	None	RIGID	Typical
72	M80	N110	N112			RIGID	None	None	RIGID	Typical
73	M81	N114	N108			Threaded Rod	Beam	None	A36 Gr.36	Typical
74	M82	N112	N106			Threaded Rod	Beam	None	A36 Gr.36	Typical
75	M83	N115	N109			Threaded Rod	Beam	None	A36 Gr.36	Typical
76	M84	N113	N107			Threaded Rod	Beam	None	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
129	M137	N195	N197			RIGID	None	None	RIGID	Typical
130	M138	N195	N199			RIGID	None	None	RIGID	Typical
131	M139	N201	N203			RIGID	None	None	RIGID	Typical
132	M140	N201	N205			RIGID	None	None	RIGID	Typical
133	M141	N200	N202			RIGID	None	None	RIGID	Typical
134	M142	N200	N204			RIGID	None	None	RIGID	Typical
135	M143	N202	N196			Threaded Rod	Beam	None	A36 Gr.36	Typical
136	M144	N204	N198			Threaded Rod	Beam	None	A36 Gr.36	Typical
137	M145	N203	N197			Threaded Rod	Beam	None	A36 Gr.36	Typical
138	M146	N205	N199			Threaded Rod	Beam	None	A36 Gr.36	Typical
139	EQUIP1B	N206	N207A			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
140	M148	N183	N175			RIGID	None	None	RIGID	Typical
141	M149	N209	N213			RIGID	None	None	RIGID	Typical
142	M150	N215A	N219			RIGID	None	None	RIGID	Typical
143	M151	N215A	N217			RIGID	None	None	RIGID	Typical
144	M152	N209	N211			RIGID	None	None	RIGID	Typical
145	M153	N208	N212			RIGID	None	None	RIGID	Typical
146	M154	N208	N210			RIGID	None	None	RIGID	Typical
147	M155	N214A	N218			RIGID	None	None	RIGID	Typical
148	M156	N214A	N216A			RIGID	None	None	RIGID	Typical
149	M157	N218	N212			Threaded Rod	Beam	None	A36 Gr.36	Typical
150	M158	N216A	N210			Threaded Rod	Beam	None	A36 Gr.36	Typical
151	M159	N219	N213			Threaded Rod	Beam	None	A36 Gr.36	Typical
152	M160	N217	N211			Threaded Rod	Beam	None	A36 Gr.36	Typical
153	EQUIP2B	N220	N221			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
154	M156A	N29	N7		150	Vertical Face Bracing	Column	Single Angle	A36 Gr.36	Typical
155	M157A	N43	N21		150	Vertical Face Bracing	Column	Single Angle	A36 Gr.36	Typical
156	M158A	N30	N8		150	Vertical Face Bracing	Column	Single Angle	A36 Gr.36	Typical
157	M159A	N34	N12		30	Vertical Face Bracing	Column	Single Angle	A36 Gr.36	Typical
158	M160A	N41	N19		30	Vertical Face Bracing	Column	Single Angle	A36 Gr.36	Typical
159	M161	N36	N14		30	Vertical Face Bracing	Column	Single Angle	A36 Gr.36	Typical
160	M180	N253	N254			RIGID	None	None	RIGID	Typical
161	M181	N255	N256			RIGID	None	None	RIGID	Typical
162	M182A	N257	N258			RIGID	None	None	RIGID	Typical
163	M183	N259	N260A			RIGID	None	None	RIGID	Typical
164	M184	N261A	N262			RIGID	None	None	RIGID	Typical
165	M185A	N263	N264			RIGID	None	None	RIGID	Typical
166	M186A	N254	N264		90	Mod Support Rail Bracing	Beam	Single Angle	A36 Gr.36	Typical
167	M187	N262	N260A		90	Mod Support Rail Bracing	Beam	Single Angle	A36 Gr.36	Typical
168	M188	N258	N256		90	Mod Support Rail Bracing	Beam	Single Angle	A36 Gr.36	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	M40						Yes				None
2	M41						Yes				None
3	M42		BenPIN				Yes				None
4	M44						Yes				None
5	M45		BenPIN				Yes				None
6	M47						Yes				None
7	M48		BenPIN				Yes				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...
8	M49						Yes				None
9	M50						Yes				None
10	M51						Yes				None
11	M52						Yes	Default			None
12	M53						Yes	** NA **			None
13	M54		BenPIN				Yes	Default			None
14	M56						Yes	** NA **			None
15	M57		BenPIN				Yes				None
16	M59						Yes	** NA **			None
17	M60		BenPIN				Yes				None
18	M61						Yes	Default			None
19	M62						Yes				None
20	M63						Yes				None
21	M64	BenPIN	BenPIN				Yes	** NA **			None
22	M65	BenPIN	BenPIN				Yes	** NA **			None
23	M66	BenPIN	BenPIN				Yes	** NA **			None
24	M67	BenPIN	BenPIN				Yes	** NA **			None
25	M68	BenPIN	BenPIN				Yes	** NA **			None
26	M72	BenPIN	BenPIN				Yes	** NA **			None
27	M73	BenPIN	BenPIN				Yes	** NA **			None
28	M77	BenPIN	BenPIN				Yes	** NA **			None
29	M78	BenPIN	BenPIN				Yes	** NA **			None
30	M182						Yes				None
31	M185						Yes				None
32	M186						Yes				None
33	M189						Yes				None
34	M190						Yes				None
35	M193						Yes				None
36	M60B						Yes				None
37	M61B						Yes	Default			None
38	M78A						Yes				None
39	M79						Yes	Default			None
40	MP1A						Yes	** NA **			None
41	MP3A						Yes	** NA **			None
42	MP2A						Yes	** NA **			None
43	MP4A						Yes	** NA **			None
44	M52A						Yes	** NA **			None
45	M53A						Yes	** NA **			None
46	M54A						Yes	** NA **			None
47	M55						Yes	** NA **			None
48	M56A						Yes	** NA **			None
49	M57A						Yes	** NA **			None
50	M58						Yes	** NA **			None
51	M59A						Yes	** NA **			None
52	M60A						Yes	** NA **			None
53	M61A						Yes	** NA **			None
54	M62A						Yes	** NA **			None
55	M63A	OOOXOX					Yes	** NA **			None
56	M64A	OOOXOX					Yes	** NA **			None
57	M65A	OOOXOX					Yes	** NA **			None
58	M66A	OOOXOX					Yes	** NA **			None
59	M67A						Yes				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...
60	M68A						Yes				None
61	M69A						Yes				None
62	M70A						Yes				None
63	EQUIP1A						Yes	** NA **			None
64	M72A						Yes	** NA **			None
65	M73A						Yes	** NA **			None
66	M74A	OOOXOX					Yes	** NA **			None
67	M75A	OOOXOX					Yes	** NA **			None
68	M76A						Yes	** NA **			None
69	M77A						Yes	** NA **			None
70	M78B						Yes	** NA **			None
71	M79A	OOOXOX					Yes	** NA **			None
72	M80	OOOXOX					Yes	** NA **			None
73	M81						Yes				None
74	M82						Yes				None
75	M83						Yes				None
76	M84						Yes				None
77	EQUIP2A						Yes	** NA **			None
78	MP1C						Yes	** NA **			None
79	MP3C						Yes	** NA **			None
80	MP2C						Yes	** NA **			None
81	MP4C						Yes	** NA **			None
82	M90						Yes	** NA **			None
83	M91						Yes	** NA **			None
84	M92						Yes	** NA **			None
85	M93						Yes	** NA **			None
86	M94						Yes	** NA **			None
87	M95						Yes	** NA **			None
88	M96						Yes	** NA **			None
89	M97						Yes	** NA **			None
90	M98						Yes	** NA **			None
91	M99						Yes	** NA **			None
92	M100						Yes	** NA **			None
93	M101	OOOXOX					Yes	** NA **			None
94	M102	OOOXOX					Yes	** NA **			None
95	M103	OOOXOX					Yes	** NA **			None
96	M104	OOOXOX					Yes	** NA **			None
97	M105						Yes				None
98	M106						Yes				None
99	M107						Yes				None
100	M108						Yes				None
101	EQUIP1C						Yes	** NA **			None
102	M110						Yes	** NA **			None
103	M111						Yes	** NA **			None
104	M112	OOOXOX					Yes	** NA **			None
105	M113	OOOXOX					Yes	** NA **			None
106	M114						Yes	** NA **			None
107	M115						Yes	** NA **			None
108	M116						Yes	** NA **			None
109	M117	OOOXOX					Yes	** NA **			None
110	M118	OOOXOX					Yes	** NA **			None
111	M119						Yes				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...
112	M120						Yes				None
113	M121						Yes				None
114	M122						Yes				None
115	EQUIP2C						Yes	** NA **			None
116	MP1B						Yes	** NA **			None
117	MP3B						Yes	** NA **			None
118	MP2B						Yes	** NA **			None
119	MP4B						Yes	** NA **			None
120	M128						Yes	** NA **			None
121	M129						Yes	** NA **			None
122	M130						Yes	** NA **			None
123	M131						Yes	** NA **			None
124	M132						Yes	** NA **			None
125	M133						Yes	** NA **			None
126	M134						Yes	** NA **			None
127	M135						Yes	** NA **			None
128	M136						Yes	** NA **			None
129	M137						Yes	** NA **			None
130	M138						Yes	** NA **			None
131	M139	OOOXOX					Yes	** NA **			None
132	M140	OOOXOX					Yes	** NA **			None
133	M141	OOOXOX					Yes	** NA **			None
134	M142	OOOXOX					Yes	** NA **			None
135	M143						Yes				None
136	M144						Yes				None
137	M145						Yes				None
138	M146						Yes				None
139	EQUIP1B						Yes	** NA **			None
140	M148						Yes	** NA **			None
141	M149						Yes	** NA **			None
142	M150	OOOXOX					Yes	** NA **			None
143	M151	OOOXOX					Yes	** NA **			None
144	M152						Yes	** NA **			None
145	M153						Yes	** NA **			None
146	M154						Yes	** NA **			None
147	M155	OOOXOX					Yes	** NA **			None
148	M156	OOOXOX					Yes	** NA **			None
149	M157						Yes				None
150	M158						Yes				None
151	M159						Yes				None
152	M160						Yes				None
153	EQUIP2B						Yes	** NA **			None
154	M156A	BenPIN	BenPIN				Yes	** NA **			None
155	M157A	BenPIN	BenPIN				Yes	** NA **			None
156	M158A	BenPIN	BenPIN				Yes	** NA **			None
157	M159A	BenPIN	BenPIN				Yes	** NA **			None
158	M160A	BenPIN	BenPIN				Yes	** NA **			None
159	M161	BenPIN	BenPIN				Yes	** NA **			None
160	M180	OOOOOX					Yes	** NA **			None
161	M181	OOOOOX					Yes	** NA **			None
162	M182A	OOOOOX					Yes	** NA **			None
163	M183	OOOOOX					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...
164	M184	OOOOOX					Yes	** NA **			None
165	M185A	OOOOOX					Yes	** NA **			None
166	M186A						Yes				None
167	M187						Yes				None
168	M188						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-23	1.5
2	MP1A	My	-.011	1.5
3	MP1A	Mz	-.017	1.5
4	MP1A	Y	-23	3.5
5	MP1A	My	-.011	3.5
6	MP1A	Mz	-.017	3.5
7	MP1B	Y	-23	1.5
8	MP1B	My	.021	1.5
9	MP1B	Mz	-.001	1.5
10	MP1B	Y	-23	3.5
11	MP1B	My	.021	3.5
12	MP1B	Mz	-.001	3.5
13	MP1C	Y	-23	1.5
14	MP1C	My	-.009	1.5
15	MP1C	Mz	.019	1.5
16	MP1C	Y	-23	3.5
17	MP1C	My	-.009	3.5
18	MP1C	Mz	.019	3.5
19	MP1A	Y	-23	1.5
20	MP1A	My	-.011	1.5
21	MP1A	Mz	.017	1.5
22	MP1A	Y	-23	3.5
23	MP1A	My	-.011	3.5
24	MP1A	Mz	.017	3.5
25	MP1B	Y	-23	1.5
26	MP1B	My	-.009	1.5
27	MP1B	Mz	-.019	1.5
28	MP1B	Y	-23	3.5
29	MP1B	My	-.009	3.5
30	MP1B	Mz	-.019	3.5
31	MP1C	Y	-23	1.5
32	MP1C	My	.021	1.5
33	MP1C	Mz	.001	1.5
34	MP1C	Y	-23	3.5
35	MP1C	My	.021	3.5
36	MP1C	Mz	.001	3.5
37	MP3A	Y	-43.55	1
38	MP3A	My	-.022	1
39	MP3A	Mz	0	1
40	MP3A	Y	-43.55	3
41	MP3A	My	-.022	3
42	MP3A	Mz	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	Y	-43.55	1
44	MP3B	My	.011	1
45	MP3B	Mz	-.019	1
46	MP3B	Y	-43.55	3
47	MP3B	My	.011	3
48	MP3B	Mz	-.019	3
49	MP3C	Y	-43.55	1
50	MP3C	My	.011	1
51	MP3C	Mz	.019	1
52	MP3C	Y	-43.55	3
53	MP3C	My	.011	3
54	MP3C	Mz	.019	3
55	EQUIP1A	Y	-74.7	1
56	EQUIP1A	My	0	1
57	EQUIP1A	Mz	0	1
58	EQUIP2A	Y	-70.3	1
59	EQUIP2A	My	0	1
60	EQUIP2A	Mz	0	1
61	MP4A	Y	-6	1.5
62	MP4A	My	-.003	1.5
63	MP4A	Mz	0	1.5
64	MP4A	Y	-6	3.5
65	MP4A	My	-.003	3.5
66	MP4A	Mz	0	3.5
67	MP4B	Y	-6	1.5
68	MP4B	My	.002	1.5
69	MP4B	Mz	-.003	1.5
70	MP4B	Y	-6	3.5
71	MP4B	My	.002	3.5
72	MP4B	Mz	-.003	3.5
73	MP4C	Y	-6	1.5
74	MP4C	My	.002	1.5
75	MP4C	Mz	.003	1.5
76	MP4C	Y	-6	3.5
77	MP4C	My	.002	3.5
78	MP4C	Mz	.003	3.5
79	EQUIP1B	Y	-74.7	1
80	EQUIP1B	My	0	1
81	EQUIP1B	Mz	0	1
82	EQUIP1C	Y	-74.7	1
83	EQUIP1C	My	0	1
84	EQUIP1C	Mz	0	1
85	EQUIP2B	Y	-70.3	1
86	EQUIP2B	My	0	1
87	EQUIP2B	Mz	0	1
88	EQUIP2C	Y	-70.3	1
89	EQUIP2C	My	0	1
90	EQUIP2C	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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Member Point Loads (BLC 2 : Antenna Di) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-105.572	1.5
2	MP1A	My	-.053	1.5
3	MP1A	Mz	-.079	1.5
4	MP1A	Y	-105.572	3.5
5	MP1A	My	-.053	3.5
6	MP1A	Mz	-.079	3.5
7	MP1B	Y	-105.572	1.5
8	MP1B	My	.095	1.5
9	MP1B	Mz	-.006	1.5
10	MP1B	Y	-105.572	3.5
11	MP1B	My	.095	3.5
12	MP1B	Mz	-.006	3.5
13	MP1C	Y	-105.572	1.5
14	MP1C	My	-.042	1.5
15	MP1C	Mz	.085	1.5
16	MP1C	Y	-105.572	3.5
17	MP1C	My	-.042	3.5
18	MP1C	Mz	.085	3.5
19	MP1A	Y	-105.572	1.5
20	MP1A	My	-.053	1.5
21	MP1A	Mz	.079	1.5
22	MP1A	Y	-105.572	3.5
23	MP1A	My	-.053	3.5
24	MP1A	Mz	.079	3.5
25	MP1B	Y	-105.572	1.5
26	MP1B	My	-.042	1.5
27	MP1B	Mz	-.085	1.5
28	MP1B	Y	-105.572	3.5
29	MP1B	My	-.042	3.5
30	MP1B	Mz	-.085	3.5
31	MP1C	Y	-105.572	1.5
32	MP1C	My	.095	1.5
33	MP1C	Mz	.006	1.5
34	MP1C	Y	-105.572	3.5
35	MP1C	My	.095	3.5
36	MP1C	Mz	.006	3.5
37	MP3A	Y	-45.951	1
38	MP3A	My	-.023	1
39	MP3A	Mz	0	1
40	MP3A	Y	-45.951	3
41	MP3A	My	-.023	3
42	MP3A	Mz	0	3
43	MP3B	Y	-45.951	1
44	MP3B	My	.011	1
45	MP3B	Mz	-.02	1
46	MP3B	Y	-45.951	3
47	MP3B	My	.011	3
48	MP3B	Mz	-.02	3
49	MP3C	Y	-45.951	1
50	MP3C	My	.011	1
51	MP3C	Mz	.02	1
52	MP3C	Y	-45.951	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	My	.011	3
54	MP3C	Mz	.02	3
55	EQUIP1A	Y	-58.172	1
56	EQUIP1A	My	0	1
57	EQUIP1A	Mz	0	1
58	EQUIP2A	Y	-55.448	1
59	EQUIP2A	My	0	1
60	EQUIP2A	Mz	0	1
61	MP4A	Y	-39.922	1.5
62	MP4A	My	-.02	1.5
63	MP4A	Mz	0	1.5
64	MP4A	Y	-39.922	3.5
65	MP4A	My	-.02	3.5
66	MP4A	Mz	0	3.5
67	MP4B	Y	-39.922	1.5
68	MP4B	My	.01	1.5
69	MP4B	Mz	-.017	1.5
70	MP4B	Y	-39.922	3.5
71	MP4B	My	.01	3.5
72	MP4B	Mz	-.017	3.5
73	MP4C	Y	-39.922	1.5
74	MP4C	My	.01	1.5
75	MP4C	Mz	.017	1.5
76	MP4C	Y	-39.922	3.5
77	MP4C	My	.01	3.5
78	MP4C	Mz	.017	3.5
79	EQUIP1B	Y	-58.172	1
80	EQUIP1B	My	0	1
81	EQUIP1B	Mz	0	1
82	EQUIP1C	Y	-58.172	1
83	EQUIP1C	My	0	1
84	EQUIP1C	Mz	0	1
85	EQUIP2B	Y	-55.448	1
86	EQUIP2B	My	0	1
87	EQUIP2B	Mz	0	1
88	EQUIP2C	Y	-55.448	1
89	EQUIP2C	My	0	1
90	EQUIP2C	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-287.009	1.5
3	MP1A	Mx	.215	1.5
4	MP1A	X	0	3.5
5	MP1A	Z	-287.009	3.5
6	MP1A	Mx	.215	3.5
7	MP1B	X	0	1.5
8	MP1B	Z	-231.787	1.5
9	MP1B	Mx	.013	1.5
10	MP1B	X	0	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	Z	-231.787	3.5
12	MP1B	Mx	.013	3.5
13	MP1C	X	0	1.5
14	MP1C	Z	-231.787	1.5
15	MP1C	Mx	-.187	1.5
16	MP1C	X	0	3.5
17	MP1C	Z	-231.787	3.5
18	MP1C	Mx	-.187	3.5
19	MP1A	X	0	1.5
20	MP1A	Z	-287.009	1.5
21	MP1A	Mx	-.215	1.5
22	MP1A	X	0	3.5
23	MP1A	Z	-287.009	3.5
24	MP1A	Mx	-.215	3.5
25	MP1B	X	0	1.5
26	MP1B	Z	-231.787	1.5
27	MP1B	Mx	.187	1.5
28	MP1B	X	0	3.5
29	MP1B	Z	-231.787	3.5
30	MP1B	Mx	.187	3.5
31	MP1C	X	0	1.5
32	MP1C	Z	-231.787	1.5
33	MP1C	Mx	-.013	1.5
34	MP1C	X	0	3.5
35	MP1C	Z	-231.787	3.5
36	MP1C	Mx	-.013	3.5
37	MP3A	X	0	1
38	MP3A	Z	-136.671	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	-136.671	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	-74.298	1
45	MP3B	Mx	.032	1
46	MP3B	X	0	3
47	MP3B	Z	-74.298	3
48	MP3B	Mx	.032	3
49	MP3C	X	0	1
50	MP3C	Z	-74.298	1
51	MP3C	Mx	-.032	1
52	MP3C	X	0	3
53	MP3C	Z	-74.298	3
54	MP3C	Mx	-.032	3
55	EQUIP1A	X	0	1
56	EQUIP1A	Z	-108.755	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	0	1
59	EQUIP2A	Z	-108.755	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	0	1.5
62	MP4A	Z	-103.521	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
31	MP1C	X	248.557	1.5
32	MP1C	Z	-143.505	1.5
33	MP1C	Mx	.215	1.5
34	MP1C	X	248.557	3.5
35	MP1C	Z	-143.505	3.5
36	MP1C	Mx	.215	3.5
37	MP3A	X	64.344	1
38	MP3A	Z	-37.149	1
39	MP3A	Mx	-.032	1
40	MP3A	X	64.344	3
41	MP3A	Z	-37.149	3
42	MP3A	Mx	-.032	3
43	MP3B	X	64.344	1
44	MP3B	Z	-37.149	1
45	MP3B	Mx	.032	1
46	MP3B	X	64.344	3
47	MP3B	Z	-37.149	3
48	MP3B	Mx	.032	3
49	MP3C	X	118.361	1
50	MP3C	Z	-68.336	1
51	MP3C	Mx	0	1
52	MP3C	X	118.361	3
53	MP3C	Z	-68.336	3
54	MP3C	Mx	0	3
55	EQUIP1A	X	70.765	1
56	EQUIP1A	Z	-40.856	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	66.515	1
59	EQUIP2A	Z	-38.402	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	75.162	1.5
62	MP4A	Z	-43.395	1.5
63	MP4A	Mx	-.038	1.5
64	MP4A	X	75.162	3.5
65	MP4A	Z	-43.395	3.5
66	MP4A	Mx	-.038	3.5
67	MP4B	X	75.162	1.5
68	MP4B	Z	-43.395	1.5
69	MP4B	Mx	.038	1.5
70	MP4B	X	75.162	3.5
71	MP4B	Z	-43.395	3.5
72	MP4B	Mx	.038	3.5
73	MP4C	X	89.652	1.5
74	MP4C	Z	-51.761	1.5
75	MP4C	Mx	0	1.5
76	MP4C	X	89.652	3.5
77	MP4C	Z	-51.761	3.5
78	MP4C	Mx	0	3.5
79	EQUIP1B	X	70.765	1
80	EQUIP1B	Z	-40.856	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	70.765	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	EQUIP1C	Z	-40.856	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	94.185	1
86	EQUIP2B	Z	-54.378	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	94.185	1
89	EQUIP2C	Z	-54.378	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	213.38	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.107	1.5
4	MP1A	X	213.38	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	-.107	3.5
7	MP1B	X	268.602	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.242	1.5
10	MP1B	X	268.602	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	.242	3.5
13	MP1C	X	268.602	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	-.107	1.5
16	MP1C	X	268.602	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	-.107	3.5
19	MP1A	X	213.38	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	-.107	1.5
22	MP1A	X	213.38	3.5
23	MP1A	Z	0	3.5
24	MP1A	Mx	-.107	3.5
25	MP1B	X	268.602	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	-.107	1.5
28	MP1B	X	268.602	3.5
29	MP1B	Z	0	3.5
30	MP1B	Mx	-.107	3.5
31	MP1C	X	268.602	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	.242	1.5
34	MP1C	X	268.602	3.5
35	MP1C	Z	0	3.5
36	MP1C	Mx	.242	3.5
37	MP3A	X	53.506	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.027	1
40	MP3A	X	53.506	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	0	3
42	MP3A	Mx	-.027	3
43	MP3B	X	115.88	1
44	MP3B	Z	0	1
45	MP3B	Mx	.029	1
46	MP3B	X	115.88	3
47	MP3B	Z	0	3
48	MP3B	Mx	.029	3
49	MP3C	X	115.88	1
50	MP3C	Z	0	1
51	MP3C	Mx	.029	1
52	MP3C	X	115.88	3
53	MP3C	Z	0	3
54	MP3C	Mx	.029	3
55	EQUIP1A	X	72.697	1
56	EQUIP1A	Z	0	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	66.155	1
59	EQUIP2A	Z	0	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	81.212	1.5
62	MP4A	Z	0	1.5
63	MP4A	Mx	-.041	1.5
64	MP4A	X	81.212	3.5
65	MP4A	Z	0	3.5
66	MP4A	Mx	-.041	3.5
67	MP4B	X	97.944	1.5
68	MP4B	Z	0	1.5
69	MP4B	Mx	.024	1.5
70	MP4B	X	97.944	3.5
71	MP4B	Z	0	3.5
72	MP4B	Mx	.024	3.5
73	MP4C	X	97.944	1.5
74	MP4C	Z	0	1.5
75	MP4C	Mx	.024	1.5
76	MP4C	X	97.944	3.5
77	MP4C	Z	0	3.5
78	MP4C	Mx	.024	3.5
79	EQUIP1B	X	99.741	1
80	EQUIP1B	Z	0	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	99.741	1
83	EQUIP1C	Z	0	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	98.105	1
86	EQUIP2B	Z	0	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	98.105	1
89	EQUIP2C	Z	0	1
90	EQUIP2C	Mx	0	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	37.149	3
54	MP3C	Mx	.032	3
55	EQUIP1A	X	70.765	1
56	EQUIP1A	Z	40.856	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	66.515	1
59	EQUIP2A	Z	38.402	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	75.162	1.5
62	MP4A	Z	43.395	1.5
63	MP4A	Mx	-.038	1.5
64	MP4A	X	75.162	3.5
65	MP4A	Z	43.395	3.5
66	MP4A	Mx	-.038	3.5
67	MP4B	X	89.652	1.5
68	MP4B	Z	51.761	1.5
69	MP4B	Mx	0	1.5
70	MP4B	X	89.652	3.5
71	MP4B	Z	51.761	3.5
72	MP4B	Mx	0	3.5
73	MP4C	X	75.162	1.5
74	MP4C	Z	43.395	1.5
75	MP4C	Mx	.038	1.5
76	MP4C	X	75.162	3.5
77	MP4C	Z	43.395	3.5
78	MP4C	Mx	.038	3.5
79	EQUIP1B	X	94.185	1
80	EQUIP1B	Z	54.378	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	94.185	1
83	EQUIP1C	Z	54.378	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	66.515	1
86	EQUIP2B	Z	38.402	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	66.515	1
89	EQUIP2C	Z	38.402	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	134.301	1.5
2	MP1A	Z	232.616	1.5
3	MP1A	Mx	-.242	1.5
4	MP1A	X	134.301	3.5
5	MP1A	Z	232.616	3.5
6	MP1A	Mx	-.242	3.5
7	MP1B	X	134.301	1.5
8	MP1B	Z	232.616	1.5
9	MP1B	Mx	.107	1.5
10	MP1B	X	134.301	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	Z	232.616	3.5
12	MP1B	Mx	.107	3.5
13	MP1C	X	106.69	1.5
14	MP1C	Z	184.793	1.5
15	MP1C	Mx	.107	1.5
16	MP1C	X	106.69	3.5
17	MP1C	Z	184.793	3.5
18	MP1C	Mx	.107	3.5
19	MP1A	X	134.301	1.5
20	MP1A	Z	232.616	1.5
21	MP1A	Mx	.107	1.5
22	MP1A	X	134.301	3.5
23	MP1A	Z	232.616	3.5
24	MP1A	Mx	.107	3.5
25	MP1B	X	134.301	1.5
26	MP1B	Z	232.616	1.5
27	MP1B	Mx	-.242	1.5
28	MP1B	X	134.301	3.5
29	MP1B	Z	232.616	3.5
30	MP1B	Mx	-.242	3.5
31	MP1C	X	106.69	1.5
32	MP1C	Z	184.793	1.5
33	MP1C	Mx	.107	1.5
34	MP1C	X	106.69	3.5
35	MP1C	Z	184.793	3.5
36	MP1C	Mx	.107	3.5
37	MP3A	X	57.94	1
38	MP3A	Z	100.355	1
39	MP3A	Mx	-.029	1
40	MP3A	X	57.94	3
41	MP3A	Z	100.355	3
42	MP3A	Mx	-.029	3
43	MP3B	X	57.94	1
44	MP3B	Z	100.355	1
45	MP3B	Mx	-.029	1
46	MP3B	X	57.94	3
47	MP3B	Z	100.355	3
48	MP3B	Mx	-.029	3
49	MP3C	X	26.753	1
50	MP3C	Z	46.338	1
51	MP3C	Mx	.027	1
52	MP3C	X	26.753	3
53	MP3C	Z	46.338	3
54	MP3C	Mx	.027	3
55	EQUIP1A	X	49.87	1
56	EQUIP1A	Z	86.378	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	49.053	1
59	EQUIP2A	Z	84.962	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	48.972	1.5
62	MP4A	Z	84.822	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
63	MP4A	Mx	-.024	1.5
64	MP4A	X	48.972	3.5
65	MP4A	Z	84.822	3.5
66	MP4A	Mx	-.024	3.5
67	MP4B	X	48.972	1.5
68	MP4B	Z	84.822	1.5
69	MP4B	Mx	-.024	1.5
70	MP4B	X	48.972	3.5
71	MP4B	Z	84.822	3.5
72	MP4B	Mx	-.024	3.5
73	MP4C	X	40.606	1.5
74	MP4C	Z	70.332	1.5
75	MP4C	Mx	.041	1.5
76	MP4C	X	40.606	3.5
77	MP4C	Z	70.332	3.5
78	MP4C	Mx	.041	3.5
79	EQUIP1B	X	49.87	1
80	EQUIP1B	Z	86.378	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	49.87	1
83	EQUIP1C	Z	86.378	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	33.077	1
86	EQUIP2B	Z	57.292	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	33.077	1
89	EQUIP2C	Z	57.292	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	0	1.5
2	MP1A	Z	287.009	1.5
3	MP1A	Mx	-.215	1.5
4	MP1A	X	0	3.5
5	MP1A	Z	287.009	3.5
6	MP1A	Mx	-.215	3.5
7	MP1B	X	0	1.5
8	MP1B	Z	231.787	1.5
9	MP1B	Mx	-.013	1.5
10	MP1B	X	0	3.5
11	MP1B	Z	231.787	3.5
12	MP1B	Mx	-.013	3.5
13	MP1C	X	0	1.5
14	MP1C	Z	231.787	1.5
15	MP1C	Mx	.187	1.5
16	MP1C	X	0	3.5
17	MP1C	Z	231.787	3.5
18	MP1C	Mx	.187	3.5
19	MP1A	X	0	1.5
20	MP1A	Z	287.009	1.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1A	Mx	.215	1.5
22	MP1A	X	0	3.5
23	MP1A	Z	287.009	3.5
24	MP1A	Mx	.215	3.5
25	MP1B	X	0	1.5
26	MP1B	Z	231.787	1.5
27	MP1B	Mx	-.187	1.5
28	MP1B	X	0	3.5
29	MP1B	Z	231.787	3.5
30	MP1B	Mx	-.187	3.5
31	MP1C	X	0	1.5
32	MP1C	Z	231.787	1.5
33	MP1C	Mx	.013	1.5
34	MP1C	X	0	3.5
35	MP1C	Z	231.787	3.5
36	MP1C	Mx	.013	3.5
37	MP3A	X	0	1
38	MP3A	Z	136.671	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	136.671	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	74.298	1
45	MP3B	Mx	-.032	1
46	MP3B	X	0	3
47	MP3B	Z	74.298	3
48	MP3B	Mx	-.032	3
49	MP3C	X	0	1
50	MP3C	Z	74.298	1
51	MP3C	Mx	.032	1
52	MP3C	X	0	3
53	MP3C	Z	74.298	3
54	MP3C	Mx	.032	3
55	EQUIP1A	X	0	1
56	EQUIP1A	Z	108.755	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	0	1
59	EQUIP2A	Z	108.755	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	0	1.5
62	MP4A	Z	103.521	1.5
63	MP4A	Mx	0	1.5
64	MP4A	X	0	3.5
65	MP4A	Z	103.521	3.5
66	MP4A	Mx	0	3.5
67	MP4B	X	0	1.5
68	MP4B	Z	86.79	1.5
69	MP4B	Mx	-.038	1.5
70	MP4B	X	0	3.5
71	MP4B	Z	86.79	3.5
72	MP4B	Mx	-.038	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP4C	X	0	1.5
74	MP4C	Z	86.79	1.5
75	MP4C	Mx	.038	1.5
76	MP4C	X	0	3.5
77	MP4C	Z	86.79	3.5
78	MP4C	Mx	.038	3.5
79	EQUIP1B	X	0	1
80	EQUIP1B	Z	81.712	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	0	1
83	EQUIP1C	Z	81.712	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	0	1
86	EQUIP2B	Z	76.805	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	0	1
89	EQUIP2C	Z	76.805	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-134.301	1.5
2	MP1A	Z	232.616	1.5
3	MP1A	Mx	-.107	1.5
4	MP1A	X	-134.301	3.5
5	MP1A	Z	232.616	3.5
6	MP1A	Mx	-.107	3.5
7	MP1B	X	-106.69	1.5
8	MP1B	Z	184.793	1.5
9	MP1B	Mx	-.107	1.5
10	MP1B	X	-106.69	3.5
11	MP1B	Z	184.793	3.5
12	MP1B	Mx	-.107	3.5
13	MP1C	X	-134.301	1.5
14	MP1C	Z	232.616	1.5
15	MP1C	Mx	.242	1.5
16	MP1C	X	-134.301	3.5
17	MP1C	Z	232.616	3.5
18	MP1C	Mx	.242	3.5
19	MP1A	X	-134.301	1.5
20	MP1A	Z	232.616	1.5
21	MP1A	Mx	.242	1.5
22	MP1A	X	-134.301	3.5
23	MP1A	Z	232.616	3.5
24	MP1A	Mx	.242	3.5
25	MP1B	X	-106.69	1.5
26	MP1B	Z	184.793	1.5
27	MP1B	Mx	-.107	1.5
28	MP1B	X	-106.69	3.5
29	MP1B	Z	184.793	3.5
30	MP1B	Mx	-.107	3.5



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

Mar 18, 2022
 9:22 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
31	MP1C	X	-134.301	1.5
32	MP1C	Z	232.616	1.5
33	MP1C	Mx	-.107	1.5
34	MP1C	X	-134.301	3.5
35	MP1C	Z	232.616	3.5
36	MP1C	Mx	-.107	3.5
37	MP3A	X	-57.94	1
38	MP3A	Z	100.355	1
39	MP3A	Mx	.029	1
40	MP3A	X	-57.94	3
41	MP3A	Z	100.355	3
42	MP3A	Mx	.029	3
43	MP3B	X	-26.753	1
44	MP3B	Z	46.338	1
45	MP3B	Mx	-.027	1
46	MP3B	X	-26.753	3
47	MP3B	Z	46.338	3
48	MP3B	Mx	-.027	3
49	MP3C	X	-57.94	1
50	MP3C	Z	100.355	1
51	MP3C	Mx	.029	1
52	MP3C	X	-57.94	3
53	MP3C	Z	100.355	3
54	MP3C	Mx	.029	3
55	EQUIP1A	X	-49.87	1
56	EQUIP1A	Z	86.378	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	-49.053	1
59	EQUIP2A	Z	84.962	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	-48.972	1.5
62	MP4A	Z	84.822	1.5
63	MP4A	Mx	.024	1.5
64	MP4A	X	-48.972	3.5
65	MP4A	Z	84.822	3.5
66	MP4A	Mx	.024	3.5
67	MP4B	X	-40.606	1.5
68	MP4B	Z	70.332	1.5
69	MP4B	Mx	-.041	1.5
70	MP4B	X	-40.606	3.5
71	MP4B	Z	70.332	3.5
72	MP4B	Mx	-.041	3.5
73	MP4C	X	-48.972	1.5
74	MP4C	Z	84.822	1.5
75	MP4C	Mx	.024	1.5
76	MP4C	X	-48.972	3.5
77	MP4C	Z	84.822	3.5
78	MP4C	Mx	.024	3.5
79	EQUIP1B	X	-36.349	1
80	EQUIP1B	Z	62.958	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	-36.349	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	EQUIP1C	Z	62.958	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	-49.053	1
86	EQUIP2B	Z	84.962	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	-49.053	1
89	EQUIP2C	Z	84.962	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-200.734	1.5
2	MP1A	Z	115.894	1.5
3	MP1A	Mx	.013	1.5
4	MP1A	X	-200.734	3.5
5	MP1A	Z	115.894	3.5
6	MP1A	Mx	.013	3.5
7	MP1B	X	-200.734	1.5
8	MP1B	Z	115.894	1.5
9	MP1B	Mx	-.187	1.5
10	MP1B	X	-200.734	3.5
11	MP1B	Z	115.894	3.5
12	MP1B	Mx	-.187	3.5
13	MP1C	X	-248.557	1.5
14	MP1C	Z	143.505	1.5
15	MP1C	Mx	.215	1.5
16	MP1C	X	-248.557	3.5
17	MP1C	Z	143.505	3.5
18	MP1C	Mx	.215	3.5
19	MP1A	X	-200.734	1.5
20	MP1A	Z	115.894	1.5
21	MP1A	Mx	.187	1.5
22	MP1A	X	-200.734	3.5
23	MP1A	Z	115.894	3.5
24	MP1A	Mx	.187	3.5
25	MP1B	X	-200.734	1.5
26	MP1B	Z	115.894	1.5
27	MP1B	Mx	-.013	1.5
28	MP1B	X	-200.734	3.5
29	MP1B	Z	115.894	3.5
30	MP1B	Mx	-.013	3.5
31	MP1C	X	-248.557	1.5
32	MP1C	Z	143.505	1.5
33	MP1C	Mx	-.215	1.5
34	MP1C	X	-248.557	3.5
35	MP1C	Z	143.505	3.5
36	MP1C	Mx	-.215	3.5
37	MP3A	X	-64.344	1
38	MP3A	Z	37.149	1
39	MP3A	Mx	.032	1
40	MP3A	X	-64.344	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	37.149	3
42	MP3A	Mx	.032	3
43	MP3B	X	-64.344	1
44	MP3B	Z	37.149	1
45	MP3B	Mx	-.032	1
46	MP3B	X	-64.344	3
47	MP3B	Z	37.149	3
48	MP3B	Mx	-.032	3
49	MP3C	X	-118.361	1
50	MP3C	Z	68.336	1
51	MP3C	Mx	0	1
52	MP3C	X	-118.361	3
53	MP3C	Z	68.336	3
54	MP3C	Mx	0	3
55	EQUIP1A	X	-70.765	1
56	EQUIP1A	Z	40.856	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	-66.515	1
59	EQUIP2A	Z	38.402	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	-75.162	1.5
62	MP4A	Z	43.395	1.5
63	MP4A	Mx	.038	1.5
64	MP4A	X	-75.162	3.5
65	MP4A	Z	43.395	3.5
66	MP4A	Mx	.038	3.5
67	MP4B	X	-75.162	1.5
68	MP4B	Z	43.395	1.5
69	MP4B	Mx	-.038	1.5
70	MP4B	X	-75.162	3.5
71	MP4B	Z	43.395	3.5
72	MP4B	Mx	-.038	3.5
73	MP4C	X	-89.652	1.5
74	MP4C	Z	51.761	1.5
75	MP4C	Mx	0	1.5
76	MP4C	X	-89.652	3.5
77	MP4C	Z	51.761	3.5
78	MP4C	Mx	0	3.5
79	EQUIP1B	X	-70.765	1
80	EQUIP1B	Z	40.856	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	-70.765	1
83	EQUIP1C	Z	40.856	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	-94.185	1
86	EQUIP2B	Z	54.378	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	-94.185	1
89	EQUIP2C	Z	54.378	1
90	EQUIP2C	Mx	0	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-213.38	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.107	1.5
4	MP1A	X	-213.38	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	.107	3.5
7	MP1B	X	-268.602	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.242	1.5
10	MP1B	X	-268.602	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	-.242	3.5
13	MP1C	X	-268.602	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	.107	1.5
16	MP1C	X	-268.602	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	.107	3.5
19	MP1A	X	-213.38	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	.107	1.5
22	MP1A	X	-213.38	3.5
23	MP1A	Z	0	3.5
24	MP1A	Mx	.107	3.5
25	MP1B	X	-268.602	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	.107	1.5
28	MP1B	X	-268.602	3.5
29	MP1B	Z	0	3.5
30	MP1B	Mx	.107	3.5
31	MP1C	X	-268.602	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	-.242	1.5
34	MP1C	X	-268.602	3.5
35	MP1C	Z	0	3.5
36	MP1C	Mx	-.242	3.5
37	MP3A	X	-53.506	1
38	MP3A	Z	0	1
39	MP3A	Mx	.027	1
40	MP3A	X	-53.506	3
41	MP3A	Z	0	3
42	MP3A	Mx	.027	3
43	MP3B	X	-115.88	1
44	MP3B	Z	0	1
45	MP3B	Mx	-.029	1
46	MP3B	X	-115.88	3
47	MP3B	Z	0	3
48	MP3B	Mx	-.029	3
49	MP3C	X	-115.88	1
50	MP3C	Z	0	1
51	MP3C	Mx	-.029	1
52	MP3C	X	-115.88	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	0	3
54	MP3C	Mx	-.029	3
55	EQUIP1A	X	-72.697	1
56	EQUIP1A	Z	0	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	-66.155	1
59	EQUIP2A	Z	0	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	-81.212	1.5
62	MP4A	Z	0	1.5
63	MP4A	Mx	.041	1.5
64	MP4A	X	-81.212	3.5
65	MP4A	Z	0	3.5
66	MP4A	Mx	.041	3.5
67	MP4B	X	-97.944	1.5
68	MP4B	Z	0	1.5
69	MP4B	Mx	-.024	1.5
70	MP4B	X	-97.944	3.5
71	MP4B	Z	0	3.5
72	MP4B	Mx	-.024	3.5
73	MP4C	X	-97.944	1.5
74	MP4C	Z	0	1.5
75	MP4C	Mx	-.024	1.5
76	MP4C	X	-97.944	3.5
77	MP4C	Z	0	3.5
78	MP4C	Mx	-.024	3.5
79	EQUIP1B	X	-99.741	1
80	EQUIP1B	Z	0	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	-99.741	1
83	EQUIP1C	Z	0	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	-98.105	1
86	EQUIP2B	Z	0	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	-98.105	1
89	EQUIP2C	Z	0	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-200.734	1.5
2	MP1A	Z	-115.894	1.5
3	MP1A	Mx	.187	1.5
4	MP1A	X	-200.734	3.5
5	MP1A	Z	-115.894	3.5
6	MP1A	Mx	.187	3.5
7	MP1B	X	-248.557	1.5
8	MP1B	Z	-143.505	1.5
9	MP1B	Mx	-.215	1.5
10	MP1B	X	-248.557	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	Z	-143.505	3.5
12	MP1B	Mx	-.215	3.5
13	MP1C	X	-200.734	1.5
14	MP1C	Z	-115.894	1.5
15	MP1C	Mx	-.013	1.5
16	MP1C	X	-200.734	3.5
17	MP1C	Z	-115.894	3.5
18	MP1C	Mx	-.013	3.5
19	MP1A	X	-200.734	1.5
20	MP1A	Z	-115.894	1.5
21	MP1A	Mx	.013	1.5
22	MP1A	X	-200.734	3.5
23	MP1A	Z	-115.894	3.5
24	MP1A	Mx	.013	3.5
25	MP1B	X	-248.557	1.5
26	MP1B	Z	-143.505	1.5
27	MP1B	Mx	.215	1.5
28	MP1B	X	-248.557	3.5
29	MP1B	Z	-143.505	3.5
30	MP1B	Mx	.215	3.5
31	MP1C	X	-200.734	1.5
32	MP1C	Z	-115.894	1.5
33	MP1C	Mx	-.187	1.5
34	MP1C	X	-200.734	3.5
35	MP1C	Z	-115.894	3.5
36	MP1C	Mx	-.187	3.5
37	MP3A	X	-64.344	1
38	MP3A	Z	-37.149	1
39	MP3A	Mx	.032	1
40	MP3A	X	-64.344	3
41	MP3A	Z	-37.149	3
42	MP3A	Mx	.032	3
43	MP3B	X	-118.361	1
44	MP3B	Z	-68.336	1
45	MP3B	Mx	0	1
46	MP3B	X	-118.361	3
47	MP3B	Z	-68.336	3
48	MP3B	Mx	0	3
49	MP3C	X	-64.344	1
50	MP3C	Z	-37.149	1
51	MP3C	Mx	-.032	1
52	MP3C	X	-64.344	3
53	MP3C	Z	-37.149	3
54	MP3C	Mx	-.032	3
55	EQUIP1A	X	-70.765	1
56	EQUIP1A	Z	-40.856	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	-66.515	1
59	EQUIP2A	Z	-38.402	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	-75.162	1.5
62	MP4A	Z	-43.395	1.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
63	MP4A	Mx	.038	1.5
64	MP4A	X	-75.162	3.5
65	MP4A	Z	-43.395	3.5
66	MP4A	Mx	.038	3.5
67	MP4B	X	-89.652	1.5
68	MP4B	Z	-51.761	1.5
69	MP4B	Mx	0	1.5
70	MP4B	X	-89.652	3.5
71	MP4B	Z	-51.761	3.5
72	MP4B	Mx	0	3.5
73	MP4C	X	-75.162	1.5
74	MP4C	Z	-43.395	1.5
75	MP4C	Mx	-.038	1.5
76	MP4C	X	-75.162	3.5
77	MP4C	Z	-43.395	3.5
78	MP4C	Mx	-.038	3.5
79	EQUIP1B	X	-94.185	1
80	EQUIP1B	Z	-54.378	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	-94.185	1
83	EQUIP1C	Z	-54.378	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	-66.515	1
86	EQUIP2B	Z	-38.402	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	-66.515	1
89	EQUIP2C	Z	-38.402	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-134.301	1.5
2	MP1A	Z	-232.616	1.5
3	MP1A	Mx	.242	1.5
4	MP1A	X	-134.301	3.5
5	MP1A	Z	-232.616	3.5
6	MP1A	Mx	.242	3.5
7	MP1B	X	-134.301	1.5
8	MP1B	Z	-232.616	1.5
9	MP1B	Mx	-.107	1.5
10	MP1B	X	-134.301	3.5
11	MP1B	Z	-232.616	3.5
12	MP1B	Mx	-.107	3.5
13	MP1C	X	-106.69	1.5
14	MP1C	Z	-184.793	1.5
15	MP1C	Mx	-.107	1.5
16	MP1C	X	-106.69	3.5
17	MP1C	Z	-184.793	3.5
18	MP1C	Mx	-.107	3.5
19	MP1A	X	-134.301	1.5
20	MP1A	Z	-232.616	1.5

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

	Member Label	Direction	Magnitude [lb,k-ft]	Location [ft,%]
73	MP4C	X	-40.606	1.5
74	MP4C	Z	-70.332	1.5
75	MP4C	Mx	-.041	1.5
76	MP4C	X	-40.606	3.5
77	MP4C	Z	-70.332	3.5
78	MP4C	Mx	-.041	3.5
79	EQUIP1B	X	-49.87	1
80	EQUIP1B	Z	-86.378	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	-49.87	1
83	EQUIP1C	Z	-86.378	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	-33.077	1
86	EQUIP2B	Z	-57.292	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	-33.077	1
89	EQUIP2C	Z	-57.292	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude [lb,k-ft]	Location [ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-40.799	1.5
3	MP1A	Mx	.031	1.5
4	MP1A	X	0	3.5
5	MP1A	Z	-40.799	3.5
6	MP1A	Mx	.031	3.5
7	MP1B	X	0	1.5
8	MP1B	Z	-33.457	1.5
9	MP1B	Mx	.002	1.5
10	MP1B	X	0	3.5
11	MP1B	Z	-33.457	3.5
12	MP1B	Mx	.002	3.5
13	MP1C	X	0	1.5
14	MP1C	Z	-33.457	1.5
15	MP1C	Mx	-.027	1.5
16	MP1C	X	0	3.5
17	MP1C	Z	-33.457	3.5
18	MP1C	Mx	-.027	3.5
19	MP1A	X	0	1.5
20	MP1A	Z	-40.799	1.5
21	MP1A	Mx	-.031	1.5
22	MP1A	X	0	3.5
23	MP1A	Z	-40.799	3.5
24	MP1A	Mx	-.031	3.5
25	MP1B	X	0	1.5
26	MP1B	Z	-33.457	1.5
27	MP1B	Mx	.027	1.5
28	MP1B	X	0	3.5
29	MP1B	Z	-33.457	3.5
30	MP1B	Mx	.027	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP1C	X	0	1.5
32	MP1C	Z	-33.457	1.5
33	MP1C	Mx	-.002	1.5
34	MP1C	X	0	3.5
35	MP1C	Z	-33.457	3.5
36	MP1C	Mx	-.002	3.5
37	MP3A	X	0	1
38	MP3A	Z	-20.289	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	-20.289	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	-11.695	1
45	MP3B	Mx	.005	1
46	MP3B	X	0	3
47	MP3B	Z	-11.695	3
48	MP3B	Mx	.005	3
49	MP3C	X	0	1
50	MP3C	Z	-11.695	1
51	MP3C	Mx	-.005	1
52	MP3C	X	0	3
53	MP3C	Z	-11.695	3
54	MP3C	Mx	-.005	3
55	EQUIP1A	X	0	1
56	EQUIP1A	Z	-17.341	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	0	1
59	EQUIP2A	Z	-17.341	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	0	1.5
62	MP4A	Z	-15.922	1.5
63	MP4A	Mx	0	1.5
64	MP4A	X	0	3.5
65	MP4A	Z	-15.922	3.5
66	MP4A	Mx	0	3.5
67	MP4B	X	0	1.5
68	MP4B	Z	-13.683	1.5
69	MP4B	Mx	.006	1.5
70	MP4B	X	0	3.5
71	MP4B	Z	-13.683	3.5
72	MP4B	Mx	.006	3.5
73	MP4C	X	0	1.5
74	MP4C	Z	-13.683	1.5
75	MP4C	Mx	-.006	1.5
76	MP4C	X	0	3.5
77	MP4C	Z	-13.683	3.5
78	MP4C	Mx	-.006	3.5
79	EQUIP1B	X	0	1
80	EQUIP1B	Z	-13.473	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	EQUIP1C	Z	-13.473	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	0	1
86	EQUIP2B	Z	-12.777	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	0	1
89	EQUIP2C	Z	-12.777	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	19.176	1.5
2	MP1A	Z	-33.214	1.5
3	MP1A	Mx	.015	1.5
4	MP1A	X	19.176	3.5
5	MP1A	Z	-33.214	3.5
6	MP1A	Mx	.015	3.5
7	MP1B	X	15.505	1.5
8	MP1B	Z	-26.855	1.5
9	MP1B	Mx	.016	1.5
10	MP1B	X	15.505	3.5
11	MP1B	Z	-26.855	3.5
12	MP1B	Mx	.016	3.5
13	MP1C	X	19.176	1.5
14	MP1C	Z	-33.214	1.5
15	MP1C	Mx	-.034	1.5
16	MP1C	X	19.176	3.5
17	MP1C	Z	-33.214	3.5
18	MP1C	Mx	-.034	3.5
19	MP1A	X	19.176	1.5
20	MP1A	Z	-33.214	1.5
21	MP1A	Mx	-.034	1.5
22	MP1A	X	19.176	3.5
23	MP1A	Z	-33.214	3.5
24	MP1A	Mx	-.034	3.5
25	MP1B	X	15.505	1.5
26	MP1B	Z	-26.855	1.5
27	MP1B	Mx	.016	1.5
28	MP1B	X	15.505	3.5
29	MP1B	Z	-26.855	3.5
30	MP1B	Mx	.016	3.5
31	MP1C	X	19.176	1.5
32	MP1C	Z	-33.214	1.5
33	MP1C	Mx	.015	1.5
34	MP1C	X	19.176	3.5
35	MP1C	Z	-33.214	3.5
36	MP1C	Mx	.015	3.5
37	MP3A	X	8.712	1
38	MP3A	Z	-15.09	1
39	MP3A	Mx	-.004	1
40	MP3A	X	8.712	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	-15.09	3
42	MP3A	Mx	-.004	3
43	MP3B	X	4.415	1
44	MP3B	Z	-7.647	1
45	MP3B	Mx	.004	1
46	MP3B	X	4.415	3
47	MP3B	Z	-7.647	3
48	MP3B	Mx	.004	3
49	MP3C	X	8.712	1
50	MP3C	Z	-15.09	1
51	MP3C	Mx	-.004	1
52	MP3C	X	8.712	3
53	MP3C	Z	-15.09	3
54	MP3C	Mx	-.004	3
55	EQUIP1A	X	8.026	1
56	EQUIP1A	Z	-13.901	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	7.91	1
59	EQUIP2A	Z	-13.7	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	7.588	1.5
62	MP4A	Z	-13.143	1.5
63	MP4A	Mx	-.004	1.5
64	MP4A	X	7.588	3.5
65	MP4A	Z	-13.143	3.5
66	MP4A	Mx	-.004	3.5
67	MP4B	X	6.469	1.5
68	MP4B	Z	-11.204	1.5
69	MP4B	Mx	.006	1.5
70	MP4B	X	6.469	3.5
71	MP4B	Z	-11.204	3.5
72	MP4B	Mx	.006	3.5
73	MP4C	X	7.588	1.5
74	MP4C	Z	-13.143	1.5
75	MP4C	Mx	-.004	1.5
76	MP4C	X	7.588	3.5
77	MP4C	Z	-13.143	3.5
78	MP4C	Mx	-.004	3.5
79	EQUIP1B	X	6.092	1
80	EQUIP1B	Z	-10.551	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	6.092	1
83	EQUIP1C	Z	-10.551	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	7.91	1
86	EQUIP2B	Z	-13.7	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	7.91	1
89	EQUIP2C	Z	-13.7	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-10.145	3
54	MP3C	Mx	0	3
55	EQUIP1A	X	11.668	1
56	EQUIP1A	Z	-6.736	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	11.065	1
59	EQUIP2A	Z	-6.388	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	11.85	1.5
62	MP4A	Z	-6.842	1.5
63	MP4A	Mx	-.006	1.5
64	MP4A	X	11.85	3.5
65	MP4A	Z	-6.842	3.5
66	MP4A	Mx	-.006	3.5
67	MP4B	X	11.85	1.5
68	MP4B	Z	-6.842	1.5
69	MP4B	Mx	.006	1.5
70	MP4B	X	11.85	3.5
71	MP4B	Z	-6.842	3.5
72	MP4B	Mx	.006	3.5
73	MP4C	X	13.789	1.5
74	MP4C	Z	-7.961	1.5
75	MP4C	Mx	0	1.5
76	MP4C	X	13.789	3.5
77	MP4C	Z	-7.961	3.5
78	MP4C	Mx	0	3.5
79	EQUIP1B	X	11.668	1
80	EQUIP1B	Z	-6.736	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	11.668	1
83	EQUIP1C	Z	-6.736	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	15.018	1
86	EQUIP2B	Z	-8.671	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	15.018	1
89	EQUIP2C	Z	-8.671	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	31.009	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.016	1.5
4	MP1A	X	31.009	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	-.016	3.5
7	MP1B	X	38.352	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.034	1.5
10	MP1B	X	38.352	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	Z	0	3.5
12	MP1B	Mx	.034	3.5
13	MP1C	X	38.352	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	-.015	1.5
16	MP1C	X	38.352	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	-.015	3.5
19	MP1A	X	31.009	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	-.016	1.5
22	MP1A	X	31.009	3.5
23	MP1A	Z	0	3.5
24	MP1A	Mx	-.016	3.5
25	MP1B	X	38.352	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	-.015	1.5
28	MP1B	X	38.352	3.5
29	MP1B	Z	0	3.5
30	MP1B	Mx	-.015	3.5
31	MP1C	X	38.352	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	.034	1.5
34	MP1C	X	38.352	3.5
35	MP1C	Z	0	3.5
36	MP1C	Mx	.034	3.5
37	MP3A	X	8.83	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.004	1
40	MP3A	X	8.83	3
41	MP3A	Z	0	3
42	MP3A	Mx	-.004	3
43	MP3B	X	17.424	1
44	MP3B	Z	0	1
45	MP3B	Mx	.004	1
46	MP3B	X	17.424	3
47	MP3B	Z	0	3
48	MP3B	Mx	.004	3
49	MP3C	X	17.424	1
50	MP3C	Z	0	1
51	MP3C	Mx	.004	1
52	MP3C	X	17.424	3
53	MP3C	Z	0	3
54	MP3C	Mx	.004	3
55	EQUIP1A	X	12.183	1
56	EQUIP1A	Z	0	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	11.255	1
59	EQUIP2A	Z	0	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	12.937	1.5
62	MP4A	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4A	Mx	-.006	1.5
64	MP4A	X	12.937	3.5
65	MP4A	Z	0	3.5
66	MP4A	Mx	-.006	3.5
67	MP4B	X	15.176	1.5
68	MP4B	Z	0	1.5
69	MP4B	Mx	.004	1.5
70	MP4B	X	15.176	3.5
71	MP4B	Z	0	3.5
72	MP4B	Mx	.004	3.5
73	MP4C	X	15.176	1.5
74	MP4C	Z	0	1.5
75	MP4C	Mx	.004	1.5
76	MP4C	X	15.176	3.5
77	MP4C	Z	0	3.5
78	MP4C	Mx	.004	3.5
79	EQUIP1B	X	16.052	1
80	EQUIP1B	Z	0	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	16.052	1
83	EQUIP1C	Z	0	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	15.82	1
86	EQUIP2B	Z	0	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	15.82	1
89	EQUIP2C	Z	0	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	28.974	1.5
2	MP1A	Z	16.728	1.5
3	MP1A	Mx	-.027	1.5
4	MP1A	X	28.974	3.5
5	MP1A	Z	16.728	3.5
6	MP1A	Mx	-.027	3.5
7	MP1B	X	35.333	1.5
8	MP1B	Z	20.4	1.5
9	MP1B	Mx	.031	1.5
10	MP1B	X	35.333	3.5
11	MP1B	Z	20.4	3.5
12	MP1B	Mx	.031	3.5
13	MP1C	X	28.974	1.5
14	MP1C	Z	16.728	1.5
15	MP1C	Mx	.002	1.5
16	MP1C	X	28.974	3.5
17	MP1C	Z	16.728	3.5
18	MP1C	Mx	.002	3.5
19	MP1A	X	28.974	1.5
20	MP1A	Z	16.728	1.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP1C	X	15.505	1.5
32	MP1C	Z	26.855	1.5
33	MP1C	Mx	.016	1.5
34	MP1C	X	15.505	3.5
35	MP1C	Z	26.855	3.5
36	MP1C	Mx	.016	3.5
37	MP3A	X	8.712	1
38	MP3A	Z	15.09	1
39	MP3A	Mx	-.004	1
40	MP3A	X	8.712	3
41	MP3A	Z	15.09	3
42	MP3A	Mx	-.004	3
43	MP3B	X	8.712	1
44	MP3B	Z	15.09	1
45	MP3B	Mx	-.004	1
46	MP3B	X	8.712	3
47	MP3B	Z	15.09	3
48	MP3B	Mx	-.004	3
49	MP3C	X	4.415	1
50	MP3C	Z	7.647	1
51	MP3C	Mx	.004	1
52	MP3C	X	4.415	3
53	MP3C	Z	7.647	3
54	MP3C	Mx	.004	3
55	EQUIP1A	X	8.026	1
56	EQUIP1A	Z	13.901	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	7.91	1
59	EQUIP2A	Z	13.7	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	7.588	1.5
62	MP4A	Z	13.143	1.5
63	MP4A	Mx	-.004	1.5
64	MP4A	X	7.588	3.5
65	MP4A	Z	13.143	3.5
66	MP4A	Mx	-.004	3.5
67	MP4B	X	7.588	1.5
68	MP4B	Z	13.143	1.5
69	MP4B	Mx	-.004	1.5
70	MP4B	X	7.588	3.5
71	MP4B	Z	13.143	3.5
72	MP4B	Mx	-.004	3.5
73	MP4C	X	6.469	1.5
74	MP4C	Z	11.204	1.5
75	MP4C	Mx	.006	1.5
76	MP4C	X	6.469	3.5
77	MP4C	Z	11.204	3.5
78	MP4C	Mx	.006	3.5
79	EQUIP1B	X	8.026	1
80	EQUIP1B	Z	13.901	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	8.026	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
83	EQUIP1C	Z	13.901	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	5.627	1
86	EQUIP2B	Z	9.747	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	5.627	1
89	EQUIP2C	Z	9.747	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	0	1.5
2	MP1A	Z	40.799	1.5
3	MP1A	Mx	-.031	1.5
4	MP1A	X	0	3.5
5	MP1A	Z	40.799	3.5
6	MP1A	Mx	-.031	3.5
7	MP1B	X	0	1.5
8	MP1B	Z	33.457	1.5
9	MP1B	Mx	-.002	1.5
10	MP1B	X	0	3.5
11	MP1B	Z	33.457	3.5
12	MP1B	Mx	-.002	3.5
13	MP1C	X	0	1.5
14	MP1C	Z	33.457	1.5
15	MP1C	Mx	.027	1.5
16	MP1C	X	0	3.5
17	MP1C	Z	33.457	3.5
18	MP1C	Mx	.027	3.5
19	MP1A	X	0	1.5
20	MP1A	Z	40.799	1.5
21	MP1A	Mx	.031	1.5
22	MP1A	X	0	3.5
23	MP1A	Z	40.799	3.5
24	MP1A	Mx	.031	3.5
25	MP1B	X	0	1.5
26	MP1B	Z	33.457	1.5
27	MP1B	Mx	-.027	1.5
28	MP1B	X	0	3.5
29	MP1B	Z	33.457	3.5
30	MP1B	Mx	-.027	3.5
31	MP1C	X	0	1.5
32	MP1C	Z	33.457	1.5
33	MP1C	Mx	.002	1.5
34	MP1C	X	0	3.5
35	MP1C	Z	33.457	3.5
36	MP1C	Mx	.002	3.5
37	MP3A	X	0	1
38	MP3A	Z	20.289	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	20.289	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	11.695	1
45	MP3B	Mx	-.005	1
46	MP3B	X	0	3
47	MP3B	Z	11.695	3
48	MP3B	Mx	-.005	3
49	MP3C	X	0	1
50	MP3C	Z	11.695	1
51	MP3C	Mx	.005	1
52	MP3C	X	0	3
53	MP3C	Z	11.695	3
54	MP3C	Mx	.005	3
55	EQUIP1A	X	0	1
56	EQUIP1A	Z	17.341	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	0	1
59	EQUIP2A	Z	17.341	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	0	1.5
62	MP4A	Z	15.922	1.5
63	MP4A	Mx	0	1.5
64	MP4A	X	0	3.5
65	MP4A	Z	15.922	3.5
66	MP4A	Mx	0	3.5
67	MP4B	X	0	1.5
68	MP4B	Z	13.683	1.5
69	MP4B	Mx	-.006	1.5
70	MP4B	X	0	3.5
71	MP4B	Z	13.683	3.5
72	MP4B	Mx	-.006	3.5
73	MP4C	X	0	1.5
74	MP4C	Z	13.683	1.5
75	MP4C	Mx	.006	1.5
76	MP4C	X	0	3.5
77	MP4C	Z	13.683	3.5
78	MP4C	Mx	.006	3.5
79	EQUIP1B	X	0	1
80	EQUIP1B	Z	13.473	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	0	1
83	EQUIP1C	Z	13.473	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	0	1
86	EQUIP2B	Z	12.777	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	0	1
89	EQUIP2C	Z	12.777	1
90	EQUIP2C	Mx	0	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-19.176	1.5
2	MP1A	Z	33.214	1.5
3	MP1A	Mx	-.015	1.5
4	MP1A	X	-19.176	3.5
5	MP1A	Z	33.214	3.5
6	MP1A	Mx	-.015	3.5
7	MP1B	X	-15.505	1.5
8	MP1B	Z	26.855	1.5
9	MP1B	Mx	-.016	1.5
10	MP1B	X	-15.505	3.5
11	MP1B	Z	26.855	3.5
12	MP1B	Mx	-.016	3.5
13	MP1C	X	-19.176	1.5
14	MP1C	Z	33.214	1.5
15	MP1C	Mx	.034	1.5
16	MP1C	X	-19.176	3.5
17	MP1C	Z	33.214	3.5
18	MP1C	Mx	.034	3.5
19	MP1A	X	-19.176	1.5
20	MP1A	Z	33.214	1.5
21	MP1A	Mx	.034	1.5
22	MP1A	X	-19.176	3.5
23	MP1A	Z	33.214	3.5
24	MP1A	Mx	.034	3.5
25	MP1B	X	-15.505	1.5
26	MP1B	Z	26.855	1.5
27	MP1B	Mx	-.016	1.5
28	MP1B	X	-15.505	3.5
29	MP1B	Z	26.855	3.5
30	MP1B	Mx	-.016	3.5
31	MP1C	X	-19.176	1.5
32	MP1C	Z	33.214	1.5
33	MP1C	Mx	-.015	1.5
34	MP1C	X	-19.176	3.5
35	MP1C	Z	33.214	3.5
36	MP1C	Mx	-.015	3.5
37	MP3A	X	-8.712	1
38	MP3A	Z	15.09	1
39	MP3A	Mx	.004	1
40	MP3A	X	-8.712	3
41	MP3A	Z	15.09	3
42	MP3A	Mx	.004	3
43	MP3B	X	-4.415	1
44	MP3B	Z	7.647	1
45	MP3B	Mx	-.004	1
46	MP3B	X	-4.415	3
47	MP3B	Z	7.647	3
48	MP3B	Mx	-.004	3
49	MP3C	X	-8.712	1
50	MP3C	Z	15.09	1
51	MP3C	Mx	.004	1
52	MP3C	X	-8.712	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	Z	16.728	3.5
12	MP1B	Mx	-.027	3.5
13	MP1C	X	-35.333	1.5
14	MP1C	Z	20.4	1.5
15	MP1C	Mx	.031	1.5
16	MP1C	X	-35.333	3.5
17	MP1C	Z	20.4	3.5
18	MP1C	Mx	.031	3.5
19	MP1A	X	-28.974	1.5
20	MP1A	Z	16.728	1.5
21	MP1A	Mx	.027	1.5
22	MP1A	X	-28.974	3.5
23	MP1A	Z	16.728	3.5
24	MP1A	Mx	.027	3.5
25	MP1B	X	-28.974	1.5
26	MP1B	Z	16.728	1.5
27	MP1B	Mx	-.002	1.5
28	MP1B	X	-28.974	3.5
29	MP1B	Z	16.728	3.5
30	MP1B	Mx	-.002	3.5
31	MP1C	X	-35.333	1.5
32	MP1C	Z	20.4	1.5
33	MP1C	Mx	-.031	1.5
34	MP1C	X	-35.333	3.5
35	MP1C	Z	20.4	3.5
36	MP1C	Mx	-.031	3.5
37	MP3A	X	-10.128	1
38	MP3A	Z	5.847	1
39	MP3A	Mx	.005	1
40	MP3A	X	-10.128	3
41	MP3A	Z	5.847	3
42	MP3A	Mx	.005	3
43	MP3B	X	-10.128	1
44	MP3B	Z	5.847	1
45	MP3B	Mx	-.005	1
46	MP3B	X	-10.128	3
47	MP3B	Z	5.847	3
48	MP3B	Mx	-.005	3
49	MP3C	X	-17.571	1
50	MP3C	Z	10.145	1
51	MP3C	Mx	0	1
52	MP3C	X	-17.571	3
53	MP3C	Z	10.145	3
54	MP3C	Mx	0	3
55	EQUIP1A	X	-11.668	1
56	EQUIP1A	Z	6.736	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	-11.065	1
59	EQUIP2A	Z	6.388	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	-11.85	1.5
62	MP4A	Z	6.842	1.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
63	MP4A	Mx	.006	1.5
64	MP4A	X	-11.85	3.5
65	MP4A	Z	6.842	3.5
66	MP4A	Mx	.006	3.5
67	MP4B	X	-11.85	1.5
68	MP4B	Z	6.842	1.5
69	MP4B	Mx	-.006	1.5
70	MP4B	X	-11.85	3.5
71	MP4B	Z	6.842	3.5
72	MP4B	Mx	-.006	3.5
73	MP4C	X	-13.789	1.5
74	MP4C	Z	7.961	1.5
75	MP4C	Mx	0	1.5
76	MP4C	X	-13.789	3.5
77	MP4C	Z	7.961	3.5
78	MP4C	Mx	0	3.5
79	EQUIP1B	X	-11.668	1
80	EQUIP1B	Z	6.736	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	-11.668	1
83	EQUIP1C	Z	6.736	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	-15.018	1
86	EQUIP2B	Z	8.671	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	-15.018	1
89	EQUIP2C	Z	8.671	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-31.009	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.016	1.5
4	MP1A	X	-31.009	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	.016	3.5
7	MP1B	X	-38.352	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.034	1.5
10	MP1B	X	-38.352	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	-.034	3.5
13	MP1C	X	-38.352	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	.015	1.5
16	MP1C	X	-38.352	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	.015	3.5
19	MP1A	X	-31.009	1.5
20	MP1A	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1A	Mx	.016	1.5
22	MP1A	X	-31.009	3.5
23	MP1A	Z	0	3.5
24	MP1A	Mx	.016	3.5
25	MP1B	X	-38.352	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	.015	1.5
28	MP1B	X	-38.352	3.5
29	MP1B	Z	0	3.5
30	MP1B	Mx	.015	3.5
31	MP1C	X	-38.352	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	-.034	1.5
34	MP1C	X	-38.352	3.5
35	MP1C	Z	0	3.5
36	MP1C	Mx	-.034	3.5
37	MP3A	X	-8.83	1
38	MP3A	Z	0	1
39	MP3A	Mx	.004	1
40	MP3A	X	-8.83	3
41	MP3A	Z	0	3
42	MP3A	Mx	.004	3
43	MP3B	X	-17.424	1
44	MP3B	Z	0	1
45	MP3B	Mx	-.004	1
46	MP3B	X	-17.424	3
47	MP3B	Z	0	3
48	MP3B	Mx	-.004	3
49	MP3C	X	-17.424	1
50	MP3C	Z	0	1
51	MP3C	Mx	-.004	1
52	MP3C	X	-17.424	3
53	MP3C	Z	0	3
54	MP3C	Mx	-.004	3
55	EQUIP1A	X	-12.183	1
56	EQUIP1A	Z	0	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	-11.255	1
59	EQUIP2A	Z	0	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	-12.937	1.5
62	MP4A	Z	0	1.5
63	MP4A	Mx	.006	1.5
64	MP4A	X	-12.937	3.5
65	MP4A	Z	0	3.5
66	MP4A	Mx	.006	3.5
67	MP4B	X	-15.176	1.5
68	MP4B	Z	0	1.5
69	MP4B	Mx	-.004	1.5
70	MP4B	X	-15.176	3.5
71	MP4B	Z	0	3.5
72	MP4B	Mx	-.004	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP4C	X	-15.176	1.5
74	MP4C	Z	0	1.5
75	MP4C	Mx	-.004	1.5
76	MP4C	X	-15.176	3.5
77	MP4C	Z	0	3.5
78	MP4C	Mx	-.004	3.5
79	EQUIP1B	X	-16.052	1
80	EQUIP1B	Z	0	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	-16.052	1
83	EQUIP1C	Z	0	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	-15.82	1
86	EQUIP2B	Z	0	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	-15.82	1
89	EQUIP2C	Z	0	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-28.974	1.5
2	MP1A	Z	-16.728	1.5
3	MP1A	Mx	.027	1.5
4	MP1A	X	-28.974	3.5
5	MP1A	Z	-16.728	3.5
6	MP1A	Mx	.027	3.5
7	MP1B	X	-35.333	1.5
8	MP1B	Z	-20.4	1.5
9	MP1B	Mx	-.031	1.5
10	MP1B	X	-35.333	3.5
11	MP1B	Z	-20.4	3.5
12	MP1B	Mx	-.031	3.5
13	MP1C	X	-28.974	1.5
14	MP1C	Z	-16.728	1.5
15	MP1C	Mx	-.002	1.5
16	MP1C	X	-28.974	3.5
17	MP1C	Z	-16.728	3.5
18	MP1C	Mx	-.002	3.5
19	MP1A	X	-28.974	1.5
20	MP1A	Z	-16.728	1.5
21	MP1A	Mx	.002	1.5
22	MP1A	X	-28.974	3.5
23	MP1A	Z	-16.728	3.5
24	MP1A	Mx	.002	3.5
25	MP1B	X	-35.333	1.5
26	MP1B	Z	-20.4	1.5
27	MP1B	Mx	.031	1.5
28	MP1B	X	-35.333	3.5
29	MP1B	Z	-20.4	3.5
30	MP1B	Mx	.031	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	EQUIP1C	Z	-8.671	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	-11.065	1
86	EQUIP2B	Z	-6.388	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	-11.065	1
89	EQUIP2C	Z	-6.388	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-19.176	1.5
2	MP1A	Z	-33.214	1.5
3	MP1A	Mx	.034	1.5
4	MP1A	X	-19.176	3.5
5	MP1A	Z	-33.214	3.5
6	MP1A	Mx	.034	3.5
7	MP1B	X	-19.176	1.5
8	MP1B	Z	-33.214	1.5
9	MP1B	Mx	-.015	1.5
10	MP1B	X	-19.176	3.5
11	MP1B	Z	-33.214	3.5
12	MP1B	Mx	-.015	3.5
13	MP1C	X	-15.505	1.5
14	MP1C	Z	-26.855	1.5
15	MP1C	Mx	-.016	1.5
16	MP1C	X	-15.505	3.5
17	MP1C	Z	-26.855	3.5
18	MP1C	Mx	-.016	3.5
19	MP1A	X	-19.176	1.5
20	MP1A	Z	-33.214	1.5
21	MP1A	Mx	-.015	1.5
22	MP1A	X	-19.176	3.5
23	MP1A	Z	-33.214	3.5
24	MP1A	Mx	-.015	3.5
25	MP1B	X	-19.176	1.5
26	MP1B	Z	-33.214	1.5
27	MP1B	Mx	.034	1.5
28	MP1B	X	-19.176	3.5
29	MP1B	Z	-33.214	3.5
30	MP1B	Mx	.034	3.5
31	MP1C	X	-15.505	1.5
32	MP1C	Z	-26.855	1.5
33	MP1C	Mx	-.016	1.5
34	MP1C	X	-15.505	3.5
35	MP1C	Z	-26.855	3.5
36	MP1C	Mx	-.016	3.5
37	MP3A	X	-8.712	1
38	MP3A	Z	-15.09	1
39	MP3A	Mx	.004	1
40	MP3A	X	-8.712	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	-15.09	3
42	MP3A	Mx	.004	3
43	MP3B	X	-8.712	1
44	MP3B	Z	-15.09	1
45	MP3B	Mx	.004	1
46	MP3B	X	-8.712	3
47	MP3B	Z	-15.09	3
48	MP3B	Mx	.004	3
49	MP3C	X	-4.415	1
50	MP3C	Z	-7.647	1
51	MP3C	Mx	-.004	1
52	MP3C	X	-4.415	3
53	MP3C	Z	-7.647	3
54	MP3C	Mx	-.004	3
55	EQUIP1A	X	-8.026	1
56	EQUIP1A	Z	-13.901	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	-7.91	1
59	EQUIP2A	Z	-13.7	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	-7.588	1.5
62	MP4A	Z	-13.143	1.5
63	MP4A	Mx	.004	1.5
64	MP4A	X	-7.588	3.5
65	MP4A	Z	-13.143	3.5
66	MP4A	Mx	.004	3.5
67	MP4B	X	-7.588	1.5
68	MP4B	Z	-13.143	1.5
69	MP4B	Mx	.004	1.5
70	MP4B	X	-7.588	3.5
71	MP4B	Z	-13.143	3.5
72	MP4B	Mx	.004	3.5
73	MP4C	X	-6.469	1.5
74	MP4C	Z	-11.204	1.5
75	MP4C	Mx	-.006	1.5
76	MP4C	X	-6.469	3.5
77	MP4C	Z	-11.204	3.5
78	MP4C	Mx	-.006	3.5
79	EQUIP1B	X	-8.026	1
80	EQUIP1B	Z	-13.901	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	-8.026	1
83	EQUIP1C	Z	-13.901	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	-5.627	1
86	EQUIP2B	Z	-9.747	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	-5.627	1
89	EQUIP2C	Z	-9.747	1
90	EQUIP2C	Mx	0	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-13.179	1.5
3	MP1A	Mx	.01	1.5
4	MP1A	X	0	3.5
5	MP1A	Z	-13.179	3.5
6	MP1A	Mx	.01	3.5
7	MP1B	X	0	1.5
8	MP1B	Z	-10.643	1.5
9	MP1B	Mx	.000617	1.5
10	MP1B	X	0	3.5
11	MP1B	Z	-10.643	3.5
12	MP1B	Mx	.000617	3.5
13	MP1C	X	0	1.5
14	MP1C	Z	-10.643	1.5
15	MP1C	Mx	-.009	1.5
16	MP1C	X	0	3.5
17	MP1C	Z	-10.643	3.5
18	MP1C	Mx	-.009	3.5
19	MP1A	X	0	1.5
20	MP1A	Z	-13.179	1.5
21	MP1A	Mx	-.01	1.5
22	MP1A	X	0	3.5
23	MP1A	Z	-13.179	3.5
24	MP1A	Mx	-.01	3.5
25	MP1B	X	0	1.5
26	MP1B	Z	-10.643	1.5
27	MP1B	Mx	.009	1.5
28	MP1B	X	0	3.5
29	MP1B	Z	-10.643	3.5
30	MP1B	Mx	.009	3.5
31	MP1C	X	0	1.5
32	MP1C	Z	-10.643	1.5
33	MP1C	Mx	-.000617	1.5
34	MP1C	X	0	3.5
35	MP1C	Z	-10.643	3.5
36	MP1C	Mx	-.000617	3.5
37	MP3A	X	0	1
38	MP3A	Z	-6.276	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	-6.276	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	-3.412	1
45	MP3B	Mx	.001	1
46	MP3B	X	0	3
47	MP3B	Z	-3.412	3
48	MP3B	Mx	.001	3
49	MP3C	X	0	1
50	MP3C	Z	-3.412	1
51	MP3C	Mx	-.001	1
52	MP3C	X	0	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	Z	-8.485	3.5
12	MP1B	Mx	.005	3.5
13	MP1C	X	6.167	1.5
14	MP1C	Z	-10.681	1.5
15	MP1C	Mx	-.011	1.5
16	MP1C	X	6.167	3.5
17	MP1C	Z	-10.681	3.5
18	MP1C	Mx	-.011	3.5
19	MP1A	X	6.167	1.5
20	MP1A	Z	-10.681	1.5
21	MP1A	Mx	-.011	1.5
22	MP1A	X	6.167	3.5
23	MP1A	Z	-10.681	3.5
24	MP1A	Mx	-.011	3.5
25	MP1B	X	4.899	1.5
26	MP1B	Z	-8.485	1.5
27	MP1B	Mx	.005	1.5
28	MP1B	X	4.899	3.5
29	MP1B	Z	-8.485	3.5
30	MP1B	Mx	.005	3.5
31	MP1C	X	6.167	1.5
32	MP1C	Z	-10.681	1.5
33	MP1C	Mx	.005	1.5
34	MP1C	X	6.167	3.5
35	MP1C	Z	-10.681	3.5
36	MP1C	Mx	.005	3.5
37	MP3A	X	2.661	1
38	MP3A	Z	-4.608	1
39	MP3A	Mx	-.001	1
40	MP3A	X	2.661	3
41	MP3A	Z	-4.608	3
42	MP3A	Mx	-.001	3
43	MP3B	X	1.228	1
44	MP3B	Z	-2.128	1
45	MP3B	Mx	.001	1
46	MP3B	X	1.228	3
47	MP3B	Z	-2.128	3
48	MP3B	Mx	.001	3
49	MP3C	X	2.661	1
50	MP3C	Z	-4.608	1
51	MP3C	Mx	-.001	1
52	MP3C	X	2.661	3
53	MP3C	Z	-4.608	3
54	MP3C	Mx	-.001	3
55	EQUIP1A	X	2.29	1
56	EQUIP1A	Z	-3.966	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	2.252	1
59	EQUIP2A	Z	-3.901	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	2.249	1.5
62	MP4A	Z	-3.895	1.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4A	Mx	-.001	1.5
64	MP4A	X	2.249	3.5
65	MP4A	Z	-3.895	3.5
66	MP4A	Mx	-.001	3.5
67	MP4B	X	1.865	1.5
68	MP4B	Z	-3.23	1.5
69	MP4B	Mx	.002	1.5
70	MP4B	X	1.865	3.5
71	MP4B	Z	-3.23	3.5
72	MP4B	Mx	.002	3.5
73	MP4C	X	2.249	1.5
74	MP4C	Z	-3.895	1.5
75	MP4C	Mx	-.001	1.5
76	MP4C	X	2.249	3.5
77	MP4C	Z	-3.895	3.5
78	MP4C	Mx	-.001	3.5
79	EQUIP1B	X	1.669	1
80	EQUIP1B	Z	-2.891	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	1.669	1
83	EQUIP1C	Z	-2.891	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	2.252	1
86	EQUIP2B	Z	-3.901	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	2.252	1
89	EQUIP2C	Z	-3.901	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.217	1.5
2	MP1A	Z	-5.322	1.5
3	MP1A	Mx	-.000617	1.5
4	MP1A	X	9.217	3.5
5	MP1A	Z	-5.322	3.5
6	MP1A	Mx	-.000617	3.5
7	MP1B	X	9.217	1.5
8	MP1B	Z	-5.322	1.5
9	MP1B	Mx	.009	1.5
10	MP1B	X	9.217	3.5
11	MP1B	Z	-5.322	3.5
12	MP1B	Mx	.009	3.5
13	MP1C	X	11.413	1.5
14	MP1C	Z	-6.589	1.5
15	MP1C	Mx	-.01	1.5
16	MP1C	X	11.413	3.5
17	MP1C	Z	-6.589	3.5
18	MP1C	Mx	-.01	3.5
19	MP1A	X	9.217	1.5
20	MP1A	Z	-5.322	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1A	Mx	-.009	1.5
22	MP1A	X	9.217	3.5
23	MP1A	Z	-5.322	3.5
24	MP1A	Mx	-.009	3.5
25	MP1B	X	9.217	1.5
26	MP1B	Z	-5.322	1.5
27	MP1B	Mx	.000618	1.5
28	MP1B	X	9.217	3.5
29	MP1B	Z	-5.322	3.5
30	MP1B	Mx	.000618	3.5
31	MP1C	X	11.413	1.5
32	MP1C	Z	-6.589	1.5
33	MP1C	Mx	.01	1.5
34	MP1C	X	11.413	3.5
35	MP1C	Z	-6.589	3.5
36	MP1C	Mx	.01	3.5
37	MP3A	X	2.955	1
38	MP3A	Z	-1.706	1
39	MP3A	Mx	-.001	1
40	MP3A	X	2.955	3
41	MP3A	Z	-1.706	3
42	MP3A	Mx	-.001	3
43	MP3B	X	2.955	1
44	MP3B	Z	-1.706	1
45	MP3B	Mx	.001	1
46	MP3B	X	2.955	3
47	MP3B	Z	-1.706	3
48	MP3B	Mx	.001	3
49	MP3C	X	5.435	1
50	MP3C	Z	-3.138	1
51	MP3C	Mx	0	1
52	MP3C	X	5.435	3
53	MP3C	Z	-3.138	3
54	MP3C	Mx	0	3
55	EQUIP1A	X	3.249	1
56	EQUIP1A	Z	-1.876	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	3.054	1
59	EQUIP2A	Z	-1.763	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	3.451	1.5
62	MP4A	Z	-1.993	1.5
63	MP4A	Mx	-.002	1.5
64	MP4A	X	3.451	3.5
65	MP4A	Z	-1.993	3.5
66	MP4A	Mx	-.002	3.5
67	MP4B	X	3.451	1.5
68	MP4B	Z	-1.993	1.5
69	MP4B	Mx	.002	1.5
70	MP4B	X	3.451	3.5
71	MP4B	Z	-1.993	3.5
72	MP4B	Mx	.002	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP4C	X	4.117	1.5
74	MP4C	Z	-2.377	1.5
75	MP4C	Mx	0	1.5
76	MP4C	X	4.117	3.5
77	MP4C	Z	-2.377	3.5
78	MP4C	Mx	0	3.5
79	EQUIP1B	X	3.249	1
80	EQUIP1B	Z	-1.876	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	3.249	1
83	EQUIP1C	Z	-1.876	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	4.325	1
86	EQUIP2B	Z	-2.497	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	4.325	1
89	EQUIP2C	Z	-2.497	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.798	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.005	1.5
4	MP1A	X	9.798	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	-.005	3.5
7	MP1B	X	12.334	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.011	1.5
10	MP1B	X	12.334	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	.011	3.5
13	MP1C	X	12.334	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	-.005	1.5
16	MP1C	X	12.334	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	-.005	3.5
19	MP1A	X	9.798	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	-.005	1.5
22	MP1A	X	9.798	3.5
23	MP1A	Z	0	3.5
24	MP1A	Mx	-.005	3.5
25	MP1B	X	12.334	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	-.005	1.5
28	MP1B	X	12.334	3.5
29	MP1B	Z	0	3.5
30	MP1B	Mx	-.005	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP1C	X	12.334	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	.011	1.5
34	MP1C	X	12.334	3.5
35	MP1C	Z	0	3.5
36	MP1C	Mx	.011	3.5
37	MP3A	X	2.457	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.001	1
40	MP3A	X	2.457	3
41	MP3A	Z	0	3
42	MP3A	Mx	-.001	3
43	MP3B	X	5.321	1
44	MP3B	Z	0	1
45	MP3B	Mx	.001	1
46	MP3B	X	5.321	3
47	MP3B	Z	0	3
48	MP3B	Mx	.001	3
49	MP3C	X	5.321	1
50	MP3C	Z	0	1
51	MP3C	Mx	.001	1
52	MP3C	X	5.321	3
53	MP3C	Z	0	3
54	MP3C	Mx	.001	3
55	EQUIP1A	X	3.338	1
56	EQUIP1A	Z	0	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	3.038	1
59	EQUIP2A	Z	0	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	3.729	1.5
62	MP4A	Z	0	1.5
63	MP4A	Mx	-.002	1.5
64	MP4A	X	3.729	3.5
65	MP4A	Z	0	3.5
66	MP4A	Mx	-.002	3.5
67	MP4B	X	4.497	1.5
68	MP4B	Z	0	1.5
69	MP4B	Mx	.001	1.5
70	MP4B	X	4.497	3.5
71	MP4B	Z	0	3.5
72	MP4B	Mx	.001	3.5
73	MP4C	X	4.497	1.5
74	MP4C	Z	0	1.5
75	MP4C	Mx	.001	1.5
76	MP4C	X	4.497	3.5
77	MP4C	Z	0	3.5
78	MP4C	Mx	.001	3.5
79	EQUIP1B	X	4.58	1
80	EQUIP1B	Z	0	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	4.58	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	EQUIP1C	Z	0	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	4.505	1
86	EQUIP2B	Z	0	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	4.505	1
89	EQUIP2C	Z	0	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.217	1.5
2	MP1A	Z	5.322	1.5
3	MP1A	Mx	-.009	1.5
4	MP1A	X	9.217	3.5
5	MP1A	Z	5.322	3.5
6	MP1A	Mx	-.009	3.5
7	MP1B	X	11.413	1.5
8	MP1B	Z	6.589	1.5
9	MP1B	Mx	.01	1.5
10	MP1B	X	11.413	3.5
11	MP1B	Z	6.589	3.5
12	MP1B	Mx	.01	3.5
13	MP1C	X	9.217	1.5
14	MP1C	Z	5.322	1.5
15	MP1C	Mx	.000618	1.5
16	MP1C	X	9.217	3.5
17	MP1C	Z	5.322	3.5
18	MP1C	Mx	.000618	3.5
19	MP1A	X	9.217	1.5
20	MP1A	Z	5.322	1.5
21	MP1A	Mx	-.000617	1.5
22	MP1A	X	9.217	3.5
23	MP1A	Z	5.322	3.5
24	MP1A	Mx	-.000617	3.5
25	MP1B	X	11.413	1.5
26	MP1B	Z	6.589	1.5
27	MP1B	Mx	-.01	1.5
28	MP1B	X	11.413	3.5
29	MP1B	Z	6.589	3.5
30	MP1B	Mx	-.01	3.5
31	MP1C	X	9.217	1.5
32	MP1C	Z	5.322	1.5
33	MP1C	Mx	.009	1.5
34	MP1C	X	9.217	3.5
35	MP1C	Z	5.322	3.5
36	MP1C	Mx	.009	3.5
37	MP3A	X	2.955	1
38	MP3A	Z	1.706	1
39	MP3A	Mx	-.001	1
40	MP3A	X	2.955	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	1.706	3
42	MP3A	Mx	-.001	3
43	MP3B	X	5.435	1
44	MP3B	Z	3.138	1
45	MP3B	Mx	0	1
46	MP3B	X	5.435	3
47	MP3B	Z	3.138	3
48	MP3B	Mx	0	3
49	MP3C	X	2.955	1
50	MP3C	Z	1.706	1
51	MP3C	Mx	.001	1
52	MP3C	X	2.955	3
53	MP3C	Z	1.706	3
54	MP3C	Mx	.001	3
55	EQUIP1A	X	3.249	1
56	EQUIP1A	Z	1.876	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	3.054	1
59	EQUIP2A	Z	1.763	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	3.451	1.5
62	MP4A	Z	1.993	1.5
63	MP4A	Mx	-.002	1.5
64	MP4A	X	3.451	3.5
65	MP4A	Z	1.993	3.5
66	MP4A	Mx	-.002	3.5
67	MP4B	X	4.117	1.5
68	MP4B	Z	2.377	1.5
69	MP4B	Mx	0	1.5
70	MP4B	X	4.117	3.5
71	MP4B	Z	2.377	3.5
72	MP4B	Mx	0	3.5
73	MP4C	X	3.451	1.5
74	MP4C	Z	1.993	1.5
75	MP4C	Mx	.002	1.5
76	MP4C	X	3.451	3.5
77	MP4C	Z	1.993	3.5
78	MP4C	Mx	.002	3.5
79	EQUIP1B	X	4.325	1
80	EQUIP1B	Z	2.497	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	4.325	1
83	EQUIP1C	Z	2.497	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	3.054	1
86	EQUIP2B	Z	1.763	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	3.054	1
89	EQUIP2C	Z	1.763	1
90	EQUIP2C	Mx	0	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	6.167	1.5
2	MP1A	Z	10.681	1.5
3	MP1A	Mx	-.011	1.5
4	MP1A	X	6.167	3.5
5	MP1A	Z	10.681	3.5
6	MP1A	Mx	-.011	3.5
7	MP1B	X	6.167	1.5
8	MP1B	Z	10.681	1.5
9	MP1B	Mx	.005	1.5
10	MP1B	X	6.167	3.5
11	MP1B	Z	10.681	3.5
12	MP1B	Mx	.005	3.5
13	MP1C	X	4.899	1.5
14	MP1C	Z	8.485	1.5
15	MP1C	Mx	.005	1.5
16	MP1C	X	4.899	3.5
17	MP1C	Z	8.485	3.5
18	MP1C	Mx	.005	3.5
19	MP1A	X	6.167	1.5
20	MP1A	Z	10.681	1.5
21	MP1A	Mx	.005	1.5
22	MP1A	X	6.167	3.5
23	MP1A	Z	10.681	3.5
24	MP1A	Mx	.005	3.5
25	MP1B	X	6.167	1.5
26	MP1B	Z	10.681	1.5
27	MP1B	Mx	-.011	1.5
28	MP1B	X	6.167	3.5
29	MP1B	Z	10.681	3.5
30	MP1B	Mx	-.011	3.5
31	MP1C	X	4.899	1.5
32	MP1C	Z	8.485	1.5
33	MP1C	Mx	.005	1.5
34	MP1C	X	4.899	3.5
35	MP1C	Z	8.485	3.5
36	MP1C	Mx	.005	3.5
37	MP3A	X	2.661	1
38	MP3A	Z	4.608	1
39	MP3A	Mx	-.001	1
40	MP3A	X	2.661	3
41	MP3A	Z	4.608	3
42	MP3A	Mx	-.001	3
43	MP3B	X	2.661	1
44	MP3B	Z	4.608	1
45	MP3B	Mx	-.001	1
46	MP3B	X	2.661	3
47	MP3B	Z	4.608	3
48	MP3B	Mx	-.001	3
49	MP3C	X	1.228	1
50	MP3C	Z	2.128	1
51	MP3C	Mx	.001	1
52	MP3C	X	1.228	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	2.128	3
54	MP3C	Mx	.001	3
55	EQUIP1A	X	2.29	1
56	EQUIP1A	Z	3.966	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	2.252	1
59	EQUIP2A	Z	3.901	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	2.249	1.5
62	MP4A	Z	3.895	1.5
63	MP4A	Mx	-.001	1.5
64	MP4A	X	2.249	3.5
65	MP4A	Z	3.895	3.5
66	MP4A	Mx	-.001	3.5
67	MP4B	X	2.249	1.5
68	MP4B	Z	3.895	1.5
69	MP4B	Mx	-.001	1.5
70	MP4B	X	2.249	3.5
71	MP4B	Z	3.895	3.5
72	MP4B	Mx	-.001	3.5
73	MP4C	X	1.865	1.5
74	MP4C	Z	3.23	1.5
75	MP4C	Mx	.002	1.5
76	MP4C	X	1.865	3.5
77	MP4C	Z	3.23	3.5
78	MP4C	Mx	.002	3.5
79	EQUIP1B	X	2.29	1
80	EQUIP1B	Z	3.966	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	2.29	1
83	EQUIP1C	Z	3.966	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	1.519	1
86	EQUIP2B	Z	2.631	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	1.519	1
89	EQUIP2C	Z	2.631	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	13.179	1.5
3	MP1A	Mx	-.01	1.5
4	MP1A	X	0	3.5
5	MP1A	Z	13.179	3.5
6	MP1A	Mx	-.01	3.5
7	MP1B	X	0	1.5
8	MP1B	Z	10.643	1.5
9	MP1B	Mx	-.000617	1.5
10	MP1B	X	0	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
11	MP1B	Z	10.643	3.5
12	MP1B	Mx	-.000617	3.5
13	MP1C	X	0	1.5
14	MP1C	Z	10.643	1.5
15	MP1C	Mx	.009	1.5
16	MP1C	X	0	3.5
17	MP1C	Z	10.643	3.5
18	MP1C	Mx	.009	3.5
19	MP1A	X	0	1.5
20	MP1A	Z	13.179	1.5
21	MP1A	Mx	.01	1.5
22	MP1A	X	0	3.5
23	MP1A	Z	13.179	3.5
24	MP1A	Mx	.01	3.5
25	MP1B	X	0	1.5
26	MP1B	Z	10.643	1.5
27	MP1B	Mx	-.009	1.5
28	MP1B	X	0	3.5
29	MP1B	Z	10.643	3.5
30	MP1B	Mx	-.009	3.5
31	MP1C	X	0	1.5
32	MP1C	Z	10.643	1.5
33	MP1C	Mx	.000617	1.5
34	MP1C	X	0	3.5
35	MP1C	Z	10.643	3.5
36	MP1C	Mx	.000617	3.5
37	MP3A	X	0	1
38	MP3A	Z	6.276	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	6.276	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	3.412	1
45	MP3B	Mx	-.001	1
46	MP3B	X	0	3
47	MP3B	Z	3.412	3
48	MP3B	Mx	-.001	3
49	MP3C	X	0	1
50	MP3C	Z	3.412	1
51	MP3C	Mx	.001	1
52	MP3C	X	0	3
53	MP3C	Z	3.412	3
54	MP3C	Mx	.001	3
55	EQUIP1A	X	0	1
56	EQUIP1A	Z	4.994	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	0	1
59	EQUIP2A	Z	4.994	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	0	1.5
62	MP4A	Z	4.754	1.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4A	Mx	0	1.5
64	MP4A	X	0	3.5
65	MP4A	Z	4.754	3.5
66	MP4A	Mx	0	3.5
67	MP4B	X	0	1.5
68	MP4B	Z	3.985	1.5
69	MP4B	Mx	-.002	1.5
70	MP4B	X	0	3.5
71	MP4B	Z	3.985	3.5
72	MP4B	Mx	-.002	3.5
73	MP4C	X	0	1.5
74	MP4C	Z	3.985	1.5
75	MP4C	Mx	.002	1.5
76	MP4C	X	0	3.5
77	MP4C	Z	3.985	3.5
78	MP4C	Mx	.002	3.5
79	EQUIP1B	X	0	1
80	EQUIP1B	Z	3.752	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	0	1
83	EQUIP1C	Z	3.752	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	0	1
86	EQUIP2B	Z	3.527	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	0	1
89	EQUIP2C	Z	3.527	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-6.167	1.5
2	MP1A	Z	10.681	1.5
3	MP1A	Mx	-.005	1.5
4	MP1A	X	-6.167	3.5
5	MP1A	Z	10.681	3.5
6	MP1A	Mx	-.005	3.5
7	MP1B	X	-4.899	1.5
8	MP1B	Z	8.485	1.5
9	MP1B	Mx	-.005	1.5
10	MP1B	X	-4.899	3.5
11	MP1B	Z	8.485	3.5
12	MP1B	Mx	-.005	3.5
13	MP1C	X	-6.167	1.5
14	MP1C	Z	10.681	1.5
15	MP1C	Mx	.011	1.5
16	MP1C	X	-6.167	3.5
17	MP1C	Z	10.681	3.5
18	MP1C	Mx	.011	3.5
19	MP1A	X	-6.167	1.5
20	MP1A	Z	10.681	1.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1A	Mx	.011	1.5
22	MP1A	X	-6.167	3.5
23	MP1A	Z	10.681	3.5
24	MP1A	Mx	.011	3.5
25	MP1B	X	-4.899	1.5
26	MP1B	Z	8.485	1.5
27	MP1B	Mx	-.005	1.5
28	MP1B	X	-4.899	3.5
29	MP1B	Z	8.485	3.5
30	MP1B	Mx	-.005	3.5
31	MP1C	X	-6.167	1.5
32	MP1C	Z	10.681	1.5
33	MP1C	Mx	-.005	1.5
34	MP1C	X	-6.167	3.5
35	MP1C	Z	10.681	3.5
36	MP1C	Mx	-.005	3.5
37	MP3A	X	-2.661	1
38	MP3A	Z	4.608	1
39	MP3A	Mx	.001	1
40	MP3A	X	-2.661	3
41	MP3A	Z	4.608	3
42	MP3A	Mx	.001	3
43	MP3B	X	-1.228	1
44	MP3B	Z	2.128	1
45	MP3B	Mx	-.001	1
46	MP3B	X	-1.228	3
47	MP3B	Z	2.128	3
48	MP3B	Mx	-.001	3
49	MP3C	X	-2.661	1
50	MP3C	Z	4.608	1
51	MP3C	Mx	.001	1
52	MP3C	X	-2.661	3
53	MP3C	Z	4.608	3
54	MP3C	Mx	.001	3
55	EQUIP1A	X	-2.29	1
56	EQUIP1A	Z	3.966	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	-2.252	1
59	EQUIP2A	Z	3.901	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	-2.249	1.5
62	MP4A	Z	3.895	1.5
63	MP4A	Mx	.001	1.5
64	MP4A	X	-2.249	3.5
65	MP4A	Z	3.895	3.5
66	MP4A	Mx	.001	3.5
67	MP4B	X	-1.865	1.5
68	MP4B	Z	3.23	1.5
69	MP4B	Mx	-.002	1.5
70	MP4B	X	-1.865	3.5
71	MP4B	Z	3.23	3.5
72	MP4B	Mx	-.002	3.5



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

Mar 18, 2022
 9:22 AM
 Checked By: _____

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP4C	X	-2.249	1.5
74	MP4C	Z	3.895	1.5
75	MP4C	Mx	.001	1.5
76	MP4C	X	-2.249	3.5
77	MP4C	Z	3.895	3.5
78	MP4C	Mx	.001	3.5
79	EQUIP1B	X	-1.669	1
80	EQUIP1B	Z	2.891	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	-1.669	1
83	EQUIP1C	Z	2.891	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	-2.252	1
86	EQUIP2B	Z	3.901	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	-2.252	1
89	EQUIP2C	Z	3.901	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.217	1.5
2	MP1A	Z	5.322	1.5
3	MP1A	Mx	.000617	1.5
4	MP1A	X	-9.217	3.5
5	MP1A	Z	5.322	3.5
6	MP1A	Mx	.000617	3.5
7	MP1B	X	-9.217	1.5
8	MP1B	Z	5.322	1.5
9	MP1B	Mx	-.009	1.5
10	MP1B	X	-9.217	3.5
11	MP1B	Z	5.322	3.5
12	MP1B	Mx	-.009	3.5
13	MP1C	X	-11.413	1.5
14	MP1C	Z	6.589	1.5
15	MP1C	Mx	.01	1.5
16	MP1C	X	-11.413	3.5
17	MP1C	Z	6.589	3.5
18	MP1C	Mx	.01	3.5
19	MP1A	X	-9.217	1.5
20	MP1A	Z	5.322	1.5
21	MP1A	Mx	.009	1.5
22	MP1A	X	-9.217	3.5
23	MP1A	Z	5.322	3.5
24	MP1A	Mx	.009	3.5
25	MP1B	X	-9.217	1.5
26	MP1B	Z	5.322	1.5
27	MP1B	Mx	-.000618	1.5
28	MP1B	X	-9.217	3.5
29	MP1B	Z	5.322	3.5
30	MP1B	Mx	-.000618	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP1C	X	-11.413	1.5
32	MP1C	Z	6.589	1.5
33	MP1C	Mx	-.01	1.5
34	MP1C	X	-11.413	3.5
35	MP1C	Z	6.589	3.5
36	MP1C	Mx	-.01	3.5
37	MP3A	X	-2.955	1
38	MP3A	Z	1.706	1
39	MP3A	Mx	.001	1
40	MP3A	X	-2.955	3
41	MP3A	Z	1.706	3
42	MP3A	Mx	.001	3
43	MP3B	X	-2.955	1
44	MP3B	Z	1.706	1
45	MP3B	Mx	-.001	1
46	MP3B	X	-2.955	3
47	MP3B	Z	1.706	3
48	MP3B	Mx	-.001	3
49	MP3C	X	-5.435	1
50	MP3C	Z	3.138	1
51	MP3C	Mx	0	1
52	MP3C	X	-5.435	3
53	MP3C	Z	3.138	3
54	MP3C	Mx	0	3
55	EQUIP1A	X	-3.249	1
56	EQUIP1A	Z	1.876	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	-3.054	1
59	EQUIP2A	Z	1.763	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	-3.451	1.5
62	MP4A	Z	1.993	1.5
63	MP4A	Mx	.002	1.5
64	MP4A	X	-3.451	3.5
65	MP4A	Z	1.993	3.5
66	MP4A	Mx	.002	3.5
67	MP4B	X	-3.451	1.5
68	MP4B	Z	1.993	1.5
69	MP4B	Mx	-.002	1.5
70	MP4B	X	-3.451	3.5
71	MP4B	Z	1.993	3.5
72	MP4B	Mx	-.002	3.5
73	MP4C	X	-4.117	1.5
74	MP4C	Z	2.377	1.5
75	MP4C	Mx	0	1.5
76	MP4C	X	-4.117	3.5
77	MP4C	Z	2.377	3.5
78	MP4C	Mx	0	3.5
79	EQUIP1B	X	-3.249	1
80	EQUIP1B	Z	1.876	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	-3.249	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	EQUIP1C	Z	1.876	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	-4.325	1
86	EQUIP2B	Z	2.497	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	-4.325	1
89	EQUIP2C	Z	2.497	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.798	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.005	1.5
4	MP1A	X	-9.798	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	.005	3.5
7	MP1B	X	-12.334	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.011	1.5
10	MP1B	X	-12.334	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	-.011	3.5
13	MP1C	X	-12.334	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	.005	1.5
16	MP1C	X	-12.334	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	.005	3.5
19	MP1A	X	-9.798	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	.005	1.5
22	MP1A	X	-9.798	3.5
23	MP1A	Z	0	3.5
24	MP1A	Mx	.005	3.5
25	MP1B	X	-12.334	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	.005	1.5
28	MP1B	X	-12.334	3.5
29	MP1B	Z	0	3.5
30	MP1B	Mx	.005	3.5
31	MP1C	X	-12.334	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	-.011	1.5
34	MP1C	X	-12.334	3.5
35	MP1C	Z	0	3.5
36	MP1C	Mx	-.011	3.5
37	MP3A	X	-2.457	1
38	MP3A	Z	0	1
39	MP3A	Mx	.001	1
40	MP3A	X	-2.457	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	0	3
42	MP3A	Mx	.001	3
43	MP3B	X	-5.321	1
44	MP3B	Z	0	1
45	MP3B	Mx	-.001	1
46	MP3B	X	-5.321	3
47	MP3B	Z	0	3
48	MP3B	Mx	-.001	3
49	MP3C	X	-5.321	1
50	MP3C	Z	0	1
51	MP3C	Mx	-.001	1
52	MP3C	X	-5.321	3
53	MP3C	Z	0	3
54	MP3C	Mx	-.001	3
55	EQUIP1A	X	-3.338	1
56	EQUIP1A	Z	0	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	-3.038	1
59	EQUIP2A	Z	0	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	-3.729	1.5
62	MP4A	Z	0	1.5
63	MP4A	Mx	.002	1.5
64	MP4A	X	-3.729	3.5
65	MP4A	Z	0	3.5
66	MP4A	Mx	.002	3.5
67	MP4B	X	-4.497	1.5
68	MP4B	Z	0	1.5
69	MP4B	Mx	-.001	1.5
70	MP4B	X	-4.497	3.5
71	MP4B	Z	0	3.5
72	MP4B	Mx	-.001	3.5
73	MP4C	X	-4.497	1.5
74	MP4C	Z	0	1.5
75	MP4C	Mx	-.001	1.5
76	MP4C	X	-4.497	3.5
77	MP4C	Z	0	3.5
78	MP4C	Mx	-.001	3.5
79	EQUIP1B	X	-4.58	1
80	EQUIP1B	Z	0	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	-4.58	1
83	EQUIP1C	Z	0	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	-4.505	1
86	EQUIP2B	Z	0	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	-4.505	1
89	EQUIP2C	Z	0	1
90	EQUIP2C	Mx	0	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-1.706	3
54	MP3C	Mx	-.001	3
55	EQUIP1A	X	-3.249	1
56	EQUIP1A	Z	-1.876	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	-3.054	1
59	EQUIP2A	Z	-1.763	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	-3.451	1.5
62	MP4A	Z	-1.993	1.5
63	MP4A	Mx	.002	1.5
64	MP4A	X	-3.451	3.5
65	MP4A	Z	-1.993	3.5
66	MP4A	Mx	.002	3.5
67	MP4B	X	-4.117	1.5
68	MP4B	Z	-2.377	1.5
69	MP4B	Mx	0	1.5
70	MP4B	X	-4.117	3.5
71	MP4B	Z	-2.377	3.5
72	MP4B	Mx	0	3.5
73	MP4C	X	-3.451	1.5
74	MP4C	Z	-1.993	1.5
75	MP4C	Mx	-.002	1.5
76	MP4C	X	-3.451	3.5
77	MP4C	Z	-1.993	3.5
78	MP4C	Mx	-.002	3.5
79	EQUIP1B	X	-4.325	1
80	EQUIP1B	Z	-2.497	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	-4.325	1
83	EQUIP1C	Z	-2.497	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	-3.054	1
86	EQUIP2B	Z	-1.763	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	-3.054	1
89	EQUIP2C	Z	-1.763	1
90	EQUIP2C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-6.167	1.5
2	MP1A	Z	-10.681	1.5
3	MP1A	Mx	.011	1.5
4	MP1A	X	-6.167	3.5
5	MP1A	Z	-10.681	3.5
6	MP1A	Mx	.011	3.5
7	MP1B	X	-6.167	1.5
8	MP1B	Z	-10.681	1.5
9	MP1B	Mx	-.005	1.5
10	MP1B	X	-6.167	3.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [ft, %]
11	MP1B	Z	-10.681	3.5
12	MP1B	Mx	-.005	3.5
13	MP1C	X	-4.899	1.5
14	MP1C	Z	-8.485	1.5
15	MP1C	Mx	-.005	1.5
16	MP1C	X	-4.899	3.5
17	MP1C	Z	-8.485	3.5
18	MP1C	Mx	-.005	3.5
19	MP1A	X	-6.167	1.5
20	MP1A	Z	-10.681	1.5
21	MP1A	Mx	-.005	1.5
22	MP1A	X	-6.167	3.5
23	MP1A	Z	-10.681	3.5
24	MP1A	Mx	-.005	3.5
25	MP1B	X	-6.167	1.5
26	MP1B	Z	-10.681	1.5
27	MP1B	Mx	.011	1.5
28	MP1B	X	-6.167	3.5
29	MP1B	Z	-10.681	3.5
30	MP1B	Mx	.011	3.5
31	MP1C	X	-4.899	1.5
32	MP1C	Z	-8.485	1.5
33	MP1C	Mx	-.005	1.5
34	MP1C	X	-4.899	3.5
35	MP1C	Z	-8.485	3.5
36	MP1C	Mx	-.005	3.5
37	MP3A	X	-2.661	1
38	MP3A	Z	-4.608	1
39	MP3A	Mx	.001	1
40	MP3A	X	-2.661	3
41	MP3A	Z	-4.608	3
42	MP3A	Mx	.001	3
43	MP3B	X	-2.661	1
44	MP3B	Z	-4.608	1
45	MP3B	Mx	.001	1
46	MP3B	X	-2.661	3
47	MP3B	Z	-4.608	3
48	MP3B	Mx	.001	3
49	MP3C	X	-1.228	1
50	MP3C	Z	-2.128	1
51	MP3C	Mx	-.001	1
52	MP3C	X	-1.228	3
53	MP3C	Z	-2.128	3
54	MP3C	Mx	-.001	3
55	EQUIP1A	X	-2.29	1
56	EQUIP1A	Z	-3.966	1
57	EQUIP1A	Mx	0	1
58	EQUIP2A	X	-2.252	1
59	EQUIP2A	Z	-3.901	1
60	EQUIP2A	Mx	0	1
61	MP4A	X	-2.249	1.5
62	MP4A	Z	-3.895	1.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4A	Mx	.001	1.5
64	MP4A	X	-2.249	3.5
65	MP4A	Z	-3.895	3.5
66	MP4A	Mx	.001	3.5
67	MP4B	X	-2.249	1.5
68	MP4B	Z	-3.895	1.5
69	MP4B	Mx	.001	1.5
70	MP4B	X	-2.249	3.5
71	MP4B	Z	-3.895	3.5
72	MP4B	Mx	.001	3.5
73	MP4C	X	-1.865	1.5
74	MP4C	Z	-3.23	1.5
75	MP4C	Mx	-.002	1.5
76	MP4C	X	-1.865	3.5
77	MP4C	Z	-3.23	3.5
78	MP4C	Mx	-.002	3.5
79	EQUIP1B	X	-2.29	1
80	EQUIP1B	Z	-3.966	1
81	EQUIP1B	Mx	0	1
82	EQUIP1C	X	-2.29	1
83	EQUIP1C	Z	-3.966	1
84	EQUIP1C	Mx	0	1
85	EQUIP2B	X	-1.519	1
86	EQUIP2B	Z	-2.631	1
87	EQUIP2B	Mx	0	1
88	EQUIP2C	X	-1.519	1
89	EQUIP2C	Z	-2.631	1
90	EQUIP2C	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M40	Y	-500	%96

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M40	Y	-500	%26

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M40	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M40	Y	-250	0

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-.913	1.5
2	MP1A	My	-.000456	1.5



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

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 9:22 AM
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Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	Direction	Magnitude [lb,k-ft]	Location [ft,%]
3	MP1A	Mz	-.000684	1.5
4	MP1A	Y	-.913	3.5
5	MP1A	My	-.000456	3.5
6	MP1A	Mz	-.000684	3.5
7	MP1B	Y	-.913	1.5
8	MP1B	My	.000821	1.5
9	MP1B	Mz	-5.3e-5	1.5
10	MP1B	Y	-.913	3.5
11	MP1B	My	.000821	3.5
12	MP1B	Mz	-5.3e-5	3.5
13	MP1C	Y	-.913	1.5
14	MP1C	My	-.000365	1.5
15	MP1C	Mz	.000737	1.5
16	MP1C	Y	-.913	3.5
17	MP1C	My	-.000365	3.5
18	MP1C	Mz	.000737	3.5
19	MP1A	Y	-.913	1.5
20	MP1A	My	-.000456	1.5
21	MP1A	Mz	.000684	1.5
22	MP1A	Y	-.913	3.5
23	MP1A	My	-.000456	3.5
24	MP1A	Mz	.000684	3.5
25	MP1B	Y	-.913	1.5
26	MP1B	My	-.000365	1.5
27	MP1B	Mz	-.000737	1.5
28	MP1B	Y	-.913	3.5
29	MP1B	My	-.000365	3.5
30	MP1B	Mz	-.000737	3.5
31	MP1C	Y	-.913	1.5
32	MP1C	My	.000821	1.5
33	MP1C	Mz	5.3e-5	1.5
34	MP1C	Y	-.913	3.5
35	MP1C	My	.000821	3.5
36	MP1C	Mz	5.3e-5	3.5
37	MP3A	Y	-1.728	1
38	MP3A	My	-.000864	1
39	MP3A	Mz	0	1
40	MP3A	Y	-1.728	3
41	MP3A	My	-.000864	3
42	MP3A	Mz	0	3
43	MP3B	Y	-1.728	1
44	MP3B	My	.000432	1
45	MP3B	Mz	-.000748	1
46	MP3B	Y	-1.728	3
47	MP3B	My	.000432	3
48	MP3B	Mz	-.000748	3
49	MP3C	Y	-1.728	1
50	MP3C	My	.000432	1
51	MP3C	Mz	.000748	1
52	MP3C	Y	-1.728	3
53	MP3C	My	.000432	3
54	MP3C	Mz	.000748	3



Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	EQUIP1A	Y	-2.964	1
56	EQUIP1A	My	0	1
57	EQUIP1A	Mz	0	1
58	EQUIP2A	Y	-2.79	1
59	EQUIP2A	My	0	1
60	EQUIP2A	Mz	0	1
61	MP4A	Y	-.238	1.5
62	MP4A	My	-.000119	1.5
63	MP4A	Mz	0	1.5
64	MP4A	Y	-.238	3.5
65	MP4A	My	-.000119	3.5
66	MP4A	Mz	0	3.5
67	MP4B	Y	-.238	1.5
68	MP4B	My	6e-5	1.5
69	MP4B	Mz	-.000103	1.5
70	MP4B	Y	-.238	3.5
71	MP4B	My	6e-5	3.5
72	MP4B	Mz	-.000103	3.5
73	MP4C	Y	-.238	1.5
74	MP4C	My	6e-5	1.5
75	MP4C	Mz	.000103	1.5
76	MP4C	Y	-.238	3.5
77	MP4C	My	6e-5	3.5
78	MP4C	Mz	.000103	3.5
79	EQUIP1B	Y	-2.964	1
80	EQUIP1B	My	0	1
81	EQUIP1B	Mz	0	1
82	EQUIP1C	Y	-2.964	1
83	EQUIP1C	My	0	1
84	EQUIP1C	Mz	0	1
85	EQUIP2B	Y	-2.79	1
86	EQUIP2B	My	0	1
87	EQUIP2B	Mz	0	1
88	EQUIP2C	Y	-2.79	1
89	EQUIP2C	My	0	1
90	EQUIP2C	Mz	0	1

Member Point Loads (BLC 82 : Antenna Eh (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Z	-3.422	1.5
2	MP1A	Mx	.003	1.5
3	MP1A	Z	-3.422	3.5
4	MP1A	Mx	.003	3.5
5	MP1B	Z	-3.422	1.5
6	MP1B	Mx	.000199	1.5
7	MP1B	Z	-3.422	3.5
8	MP1B	Mx	.000199	3.5
9	MP1C	Z	-3.422	1.5
10	MP1C	Mx	-.003	1.5
11	MP1C	Z	-3.422	3.5
12	MP1C	Mx	-.003	3.5

Member Point Loads (BLC 83 : Antenna Eh (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.422	1.5
2	MP1A	Mx	-.002	1.5
3	MP1A	X	3.422	3.5
4	MP1A	Mx	-.002	3.5
5	MP1B	X	3.422	1.5
6	MP1B	Mx	.003	1.5
7	MP1B	X	3.422	3.5
8	MP1B	Mx	.003	3.5
9	MP1C	X	3.422	1.5
10	MP1C	Mx	-.001	1.5
11	MP1C	X	3.422	3.5
12	MP1C	Mx	-.001	3.5
13	MP1A	X	3.422	1.5
14	MP1A	Mx	-.002	1.5
15	MP1A	X	3.422	3.5
16	MP1A	Mx	-.002	3.5
17	MP1B	X	3.422	1.5
18	MP1B	Mx	-.001	1.5
19	MP1B	X	3.422	3.5
20	MP1B	Mx	-.001	3.5
21	MP1C	X	3.422	1.5
22	MP1C	Mx	.003	1.5
23	MP1C	X	3.422	3.5
24	MP1C	Mx	.003	3.5
25	MP3A	X	6.48	1
26	MP3A	Mx	-.003	1
27	MP3A	X	6.48	3
28	MP3A	Mx	-.003	3
29	MP3B	X	6.48	1
30	MP3B	Mx	.002	1
31	MP3B	X	6.48	3
32	MP3B	Mx	.002	3
33	MP3C	X	6.48	1
34	MP3C	Mx	.002	1
35	MP3C	X	6.48	3
36	MP3C	Mx	.002	3
37	EQUIP1A	X	11.115	1
38	EQUIP1A	Mx	0	1
39	EQUIP2A	X	10.461	1
40	EQUIP2A	Mx	0	1
41	MP4A	X	.893	1.5
42	MP4A	Mx	-.000446	1.5
43	MP4A	X	.893	3.5
44	MP4A	Mx	-.000446	3.5
45	MP4B	X	.893	1.5
46	MP4B	Mx	.000223	1.5
47	MP4B	X	.893	3.5
48	MP4B	Mx	.000223	3.5
49	MP4C	X	.893	1.5
50	MP4C	Mx	.000223	1.5
51	MP4C	X	.893	3.5
52	MP4C	Mx	.000223	3.5

Member Point Loads (BLC 83 : Antenna Eh (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
53	EQUIP1B	X	11.115	1
54	EQUIP1B	Mx	0	1
55	EQUIP1C	X	11.115	1
56	EQUIP1C	Mx	0	1
57	EQUIP2B	X	10.461	1
58	EQUIP2B	Mx	0	1
59	EQUIP2C	X	10.461	1
60	EQUIP2C	Mx	0	1

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M40	Y	-6.756	-6.756	0	%100
2	M41	Y	-7.464	-7.464	0	%100
3	M42	Y	-7.464	-7.464	0	%100
4	M44	Y	-7.464	-7.464	0	%100
5	M45	Y	-7.464	-7.464	0	%100
6	M47	Y	-7.464	-7.464	0	%100
7	M48	Y	-7.464	-7.464	0	%100
8	M49	Y	-8.745	-8.745	0	%100
9	M50	Y	-8.745	-8.745	0	%100
10	M51	Y	-8.745	-8.745	0	%100
11	M52	Y	-6.756	-6.756	0	%100
12	M54	Y	-7.464	-7.464	0	%100
13	M57	Y	-7.464	-7.464	0	%100
14	M60	Y	-7.464	-7.464	0	%100
15	M61	Y	-8.745	-8.745	0	%100
16	M62	Y	-8.745	-8.745	0	%100
17	M63	Y	-8.745	-8.745	0	%100
18	M64	Y	-6.308	-6.308	0	%100
19	M65	Y	-6.308	-6.308	0	%100
20	M66	Y	-6.308	-6.308	0	%100
21	M67	Y	-6.933	-6.933	0	%100
22	M68	Y	-6.933	-6.933	0	%100
23	M72	Y	-6.933	-6.933	0	%100
24	M73	Y	-6.933	-6.933	0	%100
25	M77	Y	-6.933	-6.933	0	%100
26	M78	Y	-6.933	-6.933	0	%100
27	M182	Y	-6.121	-6.121	0	%100
28	M185	Y	-6.121	-6.121	0	%100
29	M186	Y	-6.121	-6.121	0	%100
30	M189	Y	-6.121	-6.121	0	%100
31	M190	Y	-6.121	-6.121	0	%100
32	M193	Y	-6.121	-6.121	0	%100
33	M60B	Y	-6.756	-6.756	0	%100
34	M61B	Y	-6.756	-6.756	0	%100
35	M78A	Y	-6.756	-6.756	0	%100
36	M79	Y	-6.756	-6.756	0	%100
37	MP1A	Y	-7.64	-7.64	0	%100
38	MP3A	Y	-6.756	-6.756	0	%100
39	MP2A	Y	-6.756	-6.756	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
40	MP4A	Y	-6.756	-6.756	0 %100
41	M67A	Y	-3.442	-3.442	0 %100
42	M68A	Y	-3.442	-3.442	0 %100
43	M69A	Y	-3.442	-3.442	0 %100
44	M70A	Y	-3.442	-3.442	0 %100
45	EQUIP1A	Y	-6.756	-6.756	0 %100
46	M81	Y	-3.442	-3.442	0 %100
47	M82	Y	-3.442	-3.442	0 %100
48	M83	Y	-3.442	-3.442	0 %100
49	M84	Y	-3.442	-3.442	0 %100
50	EQUIP2A	Y	-6.756	-6.756	0 %100
51	MP1C	Y	-7.64	-7.64	0 %100
52	MP3C	Y	-6.756	-6.756	0 %100
53	MP2C	Y	-6.756	-6.756	0 %100
54	MP4C	Y	-6.756	-6.756	0 %100
55	M105	Y	-3.442	-3.442	0 %100
56	M106	Y	-3.442	-3.442	0 %100
57	M107	Y	-3.442	-3.442	0 %100
58	M108	Y	-3.442	-3.442	0 %100
59	EQUIP1C	Y	-6.756	-6.756	0 %100
60	M119	Y	-3.442	-3.442	0 %100
61	M120	Y	-3.442	-3.442	0 %100
62	M121	Y	-3.442	-3.442	0 %100
63	M122	Y	-3.442	-3.442	0 %100
64	EQUIP2C	Y	-6.756	-6.756	0 %100
65	MP1B	Y	-7.64	-7.64	0 %100
66	MP3B	Y	-6.756	-6.756	0 %100
67	MP2B	Y	-6.756	-6.756	0 %100
68	MP4B	Y	-6.756	-6.756	0 %100
69	M143	Y	-3.442	-3.442	0 %100
70	M144	Y	-3.442	-3.442	0 %100
71	M145	Y	-3.442	-3.442	0 %100
72	M146	Y	-3.442	-3.442	0 %100
73	EQUIP1B	Y	-6.756	-6.756	0 %100
74	M157	Y	-3.442	-3.442	0 %100
75	M158	Y	-3.442	-3.442	0 %100
76	M159	Y	-3.442	-3.442	0 %100
77	M160	Y	-3.442	-3.442	0 %100
78	EQUIP2B	Y	-6.756	-6.756	0 %100
79	M156A	Y	-6.308	-6.308	0 %100
80	M157A	Y	-6.308	-6.308	0 %100
81	M158A	Y	-6.308	-6.308	0 %100
82	M159A	Y	-6.308	-6.308	0 %100
83	M160A	Y	-6.308	-6.308	0 %100
84	M161	Y	-6.308	-6.308	0 %100
85	M186A	Y	-10.058	-10.058	0 %100
86	M187	Y	-10.058	-10.058	0 %100
87	M188	Y	-10.058	-10.058	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
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 Designer :
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Member Distributed Loads (BLC 41 : Structure Wo (0 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]	
1	M40	X	0	0	0	%100
2	M40	Z	-13.813	-13.813	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	0	0	0	%100
7	M44	X	0	0	0	%100
8	M44	Z	-1.636	-1.636	0	%100
9	M45	X	0	0	0	%100
10	M45	Z	-1.636	-1.636	0	%100
11	M47	X	0	0	0	%100
12	M47	Z	-1.636	-1.636	0	%100
13	M48	X	0	0	0	%100
14	M48	Z	-1.636	-1.636	0	%100
15	M49	X	0	0	0	%100
16	M49	Z	0	0	0	%100
17	M50	X	0	0	0	%100
18	M50	Z	-10.201	-10.201	0	%100
19	M51	X	0	0	0	%100
20	M51	Z	-10.201	-10.201	0	%100
21	M52	X	0	0	0	%100
22	M52	Z	-13.813	-13.813	0	%100
23	M54	X	0	0	0	%100
24	M54	Z	0	0	0	%100
25	M57	X	0	0	0	%100
26	M57	Z	-1.636	-1.636	0	%100
27	M60	X	0	0	0	%100
28	M60	Z	-1.636	-1.636	0	%100
29	M61	X	0	0	0	%100
30	M61	Z	0	0	0	%100
31	M62	X	0	0	0	%100
32	M62	Z	-10.201	-10.201	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	-10.201	-10.201	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	-14.539	-14.539	0	%100
37	M65	X	0	0	0	%100
38	M65	Z	-14.539	-14.539	0	%100
39	M66	X	0	0	0	%100
40	M66	Z	-14.539	-14.539	0	%100
41	M67	X	0	0	0	%100
42	M67	Z	-16.963	-16.963	0	%100
43	M68	X	0	0	0	%100
44	M68	Z	-16.963	-16.963	0	%100
45	M72	X	0	0	0	%100
46	M72	Z	-8.081	-8.081	0	%100
47	M73	X	0	0	0	%100
48	M73	Z	-8.081	-8.081	0	%100
49	M77	X	0	0	0	%100
50	M77	Z	-8.081	-8.081	0	%100
51	M78	X	0	0	0	%100
52	M78	Z	-8.081	-8.081	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M182	X	0	0	0	%100
54	M182	Z	0	0	0	%100
55	M185	X	0	0	0	%100
56	M185	Z	0	0	0	%100
57	M186	X	0	0	0	%100
58	M186	Z	-1.09	-1.09	0	%100
59	M189	X	0	0	0	%100
60	M189	Z	-1.09	-1.09	0	%100
61	M190	X	0	0	0	%100
62	M190	Z	-1.09	-1.09	0	%100
63	M193	X	0	0	0	%100
64	M193	Z	-1.09	-1.09	0	%100
65	M60B	X	0	0	0	%100
66	M60B	Z	-3.453	-3.453	0	%100
67	M61B	X	0	0	0	%100
68	M61B	Z	-3.453	-3.453	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	-3.453	-3.453	0	%100
71	M79	X	0	0	0	%100
72	M79	Z	-3.453	-3.453	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	-16.698	-16.698	0	%100
75	MP3A	X	0	0	0	%100
76	MP3A	Z	-13.813	-13.813	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-13.813	-13.813	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-13.813	-13.813	0	%100
81	M67A	X	0	0	0	%100
82	M67A	Z	0	0	0	%100
83	M68A	X	0	0	0	%100
84	M68A	Z	0	0	0	%100
85	M69A	X	0	0	0	%100
86	M69A	Z	0	0	0	%100
87	M70A	X	0	0	0	%100
88	M70A	Z	0	0	0	%100
89	EQUIP1A	X	0	0	0	%100
90	EQUIP1A	Z	-10.918	-10.918	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	0	0	0	%100
93	M82	X	0	0	0	%100
94	M82	Z	0	0	0	%100
95	M83	X	0	0	0	%100
96	M83	Z	0	0	0	%100
97	M84	X	0	0	0	%100
98	M84	Z	0	0	0	%100
99	EQUIP2A	X	0	0	0	%100
100	EQUIP2A	Z	-10.918	-10.918	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	-16.698	-16.698	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-13.813	-13.813	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	MP2C	X	0	0	0	%100
106	MP2C	Z	-13.813	-13.813	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	-13.813	-13.813	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	-1.656	-1.656	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	-1.656	-1.656	0	%100
113	M107	X	0	0	0	%100
114	M107	Z	-1.656	-1.656	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	-1.656	-1.656	0	%100
117	EQUIP1C	X	0	0	0	%100
118	EQUIP1C	Z	-10.918	-10.918	0	%100
119	M119	X	0	0	0	%100
120	M119	Z	-1.656	-1.656	0	%100
121	M120	X	0	0	0	%100
122	M120	Z	-1.656	-1.656	0	%100
123	M121	X	0	0	0	%100
124	M121	Z	-1.656	-1.656	0	%100
125	M122	X	0	0	0	%100
126	M122	Z	-1.656	-1.656	0	%100
127	EQUIP2C	X	0	0	0	%100
128	EQUIP2C	Z	-10.918	-10.918	0	%100
129	MP1B	X	0	0	0	%100
130	MP1B	Z	-16.698	-16.698	0	%100
131	MP3B	X	0	0	0	%100
132	MP3B	Z	-13.813	-13.813	0	%100
133	MP2B	X	0	0	0	%100
134	MP2B	Z	-13.813	-13.813	0	%100
135	MP4B	X	0	0	0	%100
136	MP4B	Z	-13.813	-13.813	0	%100
137	M143	X	0	0	0	%100
138	M143	Z	-1.656	-1.656	0	%100
139	M144	X	0	0	0	%100
140	M144	Z	-1.656	-1.656	0	%100
141	M145	X	0	0	0	%100
142	M145	Z	-1.656	-1.656	0	%100
143	M146	X	0	0	0	%100
144	M146	Z	-1.656	-1.656	0	%100
145	EQUIP1B	X	0	0	0	%100
146	EQUIP1B	Z	-10.918	-10.918	0	%100
147	M157	X	0	0	0	%100
148	M157	Z	-1.656	-1.656	0	%100
149	M158	X	0	0	0	%100
150	M158	Z	-1.656	-1.656	0	%100
151	M159	X	0	0	0	%100
152	M159	Z	-1.656	-1.656	0	%100
153	M160	X	0	0	0	%100
154	M160	Z	-1.656	-1.656	0	%100
155	EQUIP2B	X	0	0	0	%100
156	EQUIP2B	Z	-10.918	-10.918	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
157	M156A	X	0	0	0	%100
158	M156A	Z	-14.539	-14.539	0	%100
159	M157A	X	0	0	0	%100
160	M157A	Z	-14.539	-14.539	0	%100
161	M158A	X	0	0	0	%100
162	M158A	Z	-14.539	-14.539	0	%100
163	M159A	X	0	0	0	%100
164	M159A	Z	-14.539	-14.539	0	%100
165	M160A	X	0	0	0	%100
166	M160A	Z	-14.539	-14.539	0	%100
167	M161	X	0	0	0	%100
168	M161	Z	-14.539	-14.539	0	%100
169	M186A	X	0	0	0	%100
170	M186A	Z	-5.73	-5.73	0	%100
171	M187	X	0	0	0	%100
172	M187	Z	-22.918	-22.918	0	%100
173	M188	X	0	0	0	%100
174	M188	Z	-5.73	-5.73	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M40	X	5.18	5.18	0	%100
2	M40	Z	-8.971	-8.971	0	%100
3	M41	X	.273	.273	0	%100
4	M41	Z	-.472	-.472	0	%100
5	M42	X	.273	.273	0	%100
6	M42	Z	-.472	-.472	0	%100
7	M44	X	1.09	1.09	0	%100
8	M44	Z	-1.889	-1.889	0	%100
9	M45	X	1.09	1.09	0	%100
10	M45	Z	-1.889	-1.889	0	%100
11	M47	X	.273	.273	0	%100
12	M47	Z	-.472	-.472	0	%100
13	M48	X	.273	.273	0	%100
14	M48	Z	-.472	-.472	0	%100
15	M49	X	1.7	1.7	0	%100
16	M49	Z	-2.945	-2.945	0	%100
17	M50	X	1.7	1.7	0	%100
18	M50	Z	-2.945	-2.945	0	%100
19	M51	X	6.8	6.8	0	%100
20	M51	Z	-11.779	-11.779	0	%100
21	M52	X	5.18	5.18	0	%100
22	M52	Z	-8.971	-8.971	0	%100
23	M54	X	.273	.273	0	%100
24	M54	Z	-.472	-.472	0	%100
25	M57	X	1.09	1.09	0	%100
26	M57	Z	-1.889	-1.889	0	%100
27	M60	X	.273	.273	0	%100
28	M60	Z	-.472	-.472	0	%100
29	M61	X	1.7	1.7	0	%100
30	M61	Z	-2.945	-2.945	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M62	X	1.7	1.7	0	%100
32	M62	Z	-2.945	-2.945	0	%100
33	M63	X	6.8	6.8	0	%100
34	M63	Z	-11.779	-11.779	0	%100
35	M64	X	7.27	7.27	0	%100
36	M64	Z	-12.592	-12.592	0	%100
37	M65	X	7.27	7.27	0	%100
38	M65	Z	-12.592	-12.592	0	%100
39	M66	X	7.27	7.27	0	%100
40	M66	Z	-12.592	-12.592	0	%100
41	M67	X	7.001	7.001	0	%100
42	M67	Z	-12.126	-12.126	0	%100
43	M68	X	7.001	7.001	0	%100
44	M68	Z	-12.126	-12.126	0	%100
45	M72	X	2.56	2.56	0	%100
46	M72	Z	-4.434	-4.434	0	%100
47	M73	X	2.56	2.56	0	%100
48	M73	Z	-4.434	-4.434	0	%100
49	M77	X	7.001	7.001	0	%100
50	M77	Z	-12.126	-12.126	0	%100
51	M78	X	7.001	7.001	0	%100
52	M78	Z	-12.126	-12.126	0	%100
53	M182	X	.182	.182	0	%100
54	M182	Z	-.315	-.315	0	%100
55	M185	X	.182	.182	0	%100
56	M185	Z	-.315	-.315	0	%100
57	M186	X	.182	.182	0	%100
58	M186	Z	-.315	-.315	0	%100
59	M189	X	.182	.182	0	%100
60	M189	Z	-.315	-.315	0	%100
61	M190	X	.727	.727	0	%100
62	M190	Z	-1.259	-1.259	0	%100
63	M193	X	.727	.727	0	%100
64	M193	Z	-1.259	-1.259	0	%100
65	M60B	X	5.18	5.18	0	%100
66	M60B	Z	-8.971	-8.971	0	%100
67	M61B	X	5.18	5.18	0	%100
68	M61B	Z	-8.971	-8.971	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79	X	0	0	0	%100
72	M79	Z	0	0	0	%100
73	MP1A	X	8.349	8.349	0	%100
74	MP1A	Z	-14.461	-14.461	0	%100
75	MP3A	X	6.906	6.906	0	%100
76	MP3A	Z	-11.962	-11.962	0	%100
77	MP2A	X	6.906	6.906	0	%100
78	MP2A	Z	-11.962	-11.962	0	%100
79	MP4A	X	6.906	6.906	0	%100
80	MP4A	Z	-11.962	-11.962	0	%100
81	M67A	X	.276	.276	0	%100
82	M67A	Z	-.478	-.478	0	%100



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
83	M68A	X	.276	.276	0	%100
84	M68A	Z	-.478	-.478	0	%100
85	M69A	X	.276	.276	0	%100
86	M69A	Z	-.478	-.478	0	%100
87	M70A	X	.276	.276	0	%100
88	M70A	Z	-.478	-.478	0	%100
89	EQUIP1A	X	5.459	5.459	0	%100
90	EQUIP1A	Z	-9.455	-9.455	0	%100
91	M81	X	.276	.276	0	%100
92	M81	Z	-.478	-.478	0	%100
93	M82	X	.276	.276	0	%100
94	M82	Z	-.478	-.478	0	%100
95	M83	X	.276	.276	0	%100
96	M83	Z	-.478	-.478	0	%100
97	M84	X	.276	.276	0	%100
98	M84	Z	-.478	-.478	0	%100
99	EQUIP2A	X	5.459	5.459	0	%100
100	EQUIP2A	Z	-9.455	-9.455	0	%100
101	MP1C	X	8.349	8.349	0	%100
102	MP1C	Z	-14.461	-14.461	0	%100
103	MP3C	X	6.906	6.906	0	%100
104	MP3C	Z	-11.962	-11.962	0	%100
105	MP2C	X	6.906	6.906	0	%100
106	MP2C	Z	-11.962	-11.962	0	%100
107	MP4C	X	6.906	6.906	0	%100
108	MP4C	Z	-11.962	-11.962	0	%100
109	M105	X	.276	.276	0	%100
110	M105	Z	-.478	-.478	0	%100
111	M106	X	.276	.276	0	%100
112	M106	Z	-.478	-.478	0	%100
113	M107	X	.276	.276	0	%100
114	M107	Z	-.478	-.478	0	%100
115	M108	X	.276	.276	0	%100
116	M108	Z	-.478	-.478	0	%100
117	EQUIP1C	X	5.459	5.459	0	%100
118	EQUIP1C	Z	-9.455	-9.455	0	%100
119	M119	X	.276	.276	0	%100
120	M119	Z	-.478	-.478	0	%100
121	M120	X	.276	.276	0	%100
122	M120	Z	-.478	-.478	0	%100
123	M121	X	.276	.276	0	%100
124	M121	Z	-.478	-.478	0	%100
125	M122	X	.276	.276	0	%100
126	M122	Z	-.478	-.478	0	%100
127	EQUIP2C	X	5.459	5.459	0	%100
128	EQUIP2C	Z	-9.455	-9.455	0	%100
129	MP1B	X	8.349	8.349	0	%100
130	MP1B	Z	-14.461	-14.461	0	%100
131	MP3B	X	6.906	6.906	0	%100
132	MP3B	Z	-11.962	-11.962	0	%100
133	MP2B	X	6.906	6.906	0	%100
134	MP2B	Z	-11.962	-11.962	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
135	MP4B	X	6.906	6.906	0	%100
136	MP4B	Z	-11.962	-11.962	0	%100
137	M143	X	1.104	1.104	0	%100
138	M143	Z	-1.912	-1.912	0	%100
139	M144	X	1.104	1.104	0	%100
140	M144	Z	-1.912	-1.912	0	%100
141	M145	X	1.104	1.104	0	%100
142	M145	Z	-1.912	-1.912	0	%100
143	M146	X	1.104	1.104	0	%100
144	M146	Z	-1.912	-1.912	0	%100
145	EQUIP1B	X	5.459	5.459	0	%100
146	EQUIP1B	Z	-9.455	-9.455	0	%100
147	M157	X	1.104	1.104	0	%100
148	M157	Z	-1.912	-1.912	0	%100
149	M158	X	1.104	1.104	0	%100
150	M158	Z	-1.912	-1.912	0	%100
151	M159	X	1.104	1.104	0	%100
152	M159	Z	-1.912	-1.912	0	%100
153	M160	X	1.104	1.104	0	%100
154	M160	Z	-1.912	-1.912	0	%100
155	EQUIP2B	X	5.459	5.459	0	%100
156	EQUIP2B	Z	-9.455	-9.455	0	%100
157	M156A	X	7.27	7.27	0	%100
158	M156A	Z	-12.592	-12.592	0	%100
159	M157A	X	7.27	7.27	0	%100
160	M157A	Z	-12.592	-12.592	0	%100
161	M158A	X	7.27	7.27	0	%100
162	M158A	Z	-12.592	-12.592	0	%100
163	M159A	X	7.27	7.27	0	%100
164	M159A	Z	-12.592	-12.592	0	%100
165	M160A	X	7.27	7.27	0	%100
166	M160A	Z	-12.592	-12.592	0	%100
167	M161	X	7.27	7.27	0	%100
168	M161	Z	-12.592	-12.592	0	%100
169	M186A	X	8.594	8.594	0	%100
170	M186A	Z	-14.886	-14.886	0	%100
171	M187	X	8.594	8.594	0	%100
172	M187	Z	-14.886	-14.886	0	%100
173	M188	X	0	0	0	%100
174	M188	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M40	X	2.99	2.99	0	%100
2	M40	Z	-1.727	-1.727	0	%100
3	M41	X	1.417	1.417	0	%100
4	M41	Z	-.818	-.818	0	%100
5	M42	X	1.417	1.417	0	%100
6	M42	Z	-.818	-.818	0	%100
7	M44	X	1.417	1.417	0	%100
8	M44	Z	-.818	-.818	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M190	X	.944	.944	0	%100
62	M190	Z	-.545	-.545	0	%100
63	M193	X	.944	.944	0	%100
64	M193	Z	-.545	-.545	0	%100
65	M60B	X	11.962	11.962	0	%100
66	M60B	Z	-6.906	-6.906	0	%100
67	M61B	X	11.962	11.962	0	%100
68	M61B	Z	-6.906	-6.906	0	%100
69	M78A	X	2.99	2.99	0	%100
70	M78A	Z	-1.727	-1.727	0	%100
71	M79	X	2.99	2.99	0	%100
72	M79	Z	-1.727	-1.727	0	%100
73	MP1A	X	14.461	14.461	0	%100
74	MP1A	Z	-8.349	-8.349	0	%100
75	MP3A	X	11.962	11.962	0	%100
76	MP3A	Z	-6.906	-6.906	0	%100
77	MP2A	X	11.962	11.962	0	%100
78	MP2A	Z	-6.906	-6.906	0	%100
79	MP4A	X	11.962	11.962	0	%100
80	MP4A	Z	-6.906	-6.906	0	%100
81	M67A	X	1.434	1.434	0	%100
82	M67A	Z	-.828	-.828	0	%100
83	M68A	X	1.434	1.434	0	%100
84	M68A	Z	-.828	-.828	0	%100
85	M69A	X	1.434	1.434	0	%100
86	M69A	Z	-.828	-.828	0	%100
87	M70A	X	1.434	1.434	0	%100
88	M70A	Z	-.828	-.828	0	%100
89	EQUIP1A	X	9.455	9.455	0	%100
90	EQUIP1A	Z	-5.459	-5.459	0	%100
91	M81	X	1.434	1.434	0	%100
92	M81	Z	-.828	-.828	0	%100
93	M82	X	1.434	1.434	0	%100
94	M82	Z	-.828	-.828	0	%100
95	M83	X	1.434	1.434	0	%100
96	M83	Z	-.828	-.828	0	%100
97	M84	X	1.434	1.434	0	%100
98	M84	Z	-.828	-.828	0	%100
99	EQUIP2A	X	9.455	9.455	0	%100
100	EQUIP2A	Z	-5.459	-5.459	0	%100
101	MP1C	X	14.461	14.461	0	%100
102	MP1C	Z	-8.349	-8.349	0	%100
103	MP3C	X	11.962	11.962	0	%100
104	MP3C	Z	-6.906	-6.906	0	%100
105	MP2C	X	11.962	11.962	0	%100
106	MP2C	Z	-6.906	-6.906	0	%100
107	MP4C	X	11.962	11.962	0	%100
108	MP4C	Z	-6.906	-6.906	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	0	0	0	%100



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

Mar 18, 2022
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 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
113	M107	X	0	0	0	%100
114	M107	Z	0	0	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	0	0	0	%100
117	EQUIP1C	X	9.455	9.455	0	%100
118	EQUIP1C	Z	-5.459	-5.459	0	%100
119	M119	X	0	0	0	%100
120	M119	Z	0	0	0	%100
121	M120	X	0	0	0	%100
122	M120	Z	0	0	0	%100
123	M121	X	0	0	0	%100
124	M121	Z	0	0	0	%100
125	M122	X	0	0	0	%100
126	M122	Z	0	0	0	%100
127	EQUIP2C	X	9.455	9.455	0	%100
128	EQUIP2C	Z	-5.459	-5.459	0	%100
129	MP1B	X	14.461	14.461	0	%100
130	MP1B	Z	-8.349	-8.349	0	%100
131	MP3B	X	11.962	11.962	0	%100
132	MP3B	Z	-6.906	-6.906	0	%100
133	MP2B	X	11.962	11.962	0	%100
134	MP2B	Z	-6.906	-6.906	0	%100
135	MP4B	X	11.962	11.962	0	%100
136	MP4B	Z	-6.906	-6.906	0	%100
137	M143	X	1.434	1.434	0	%100
138	M143	Z	-.828	-.828	0	%100
139	M144	X	1.434	1.434	0	%100
140	M144	Z	-.828	-.828	0	%100
141	M145	X	1.434	1.434	0	%100
142	M145	Z	-.828	-.828	0	%100
143	M146	X	1.434	1.434	0	%100
144	M146	Z	-.828	-.828	0	%100
145	EQUIP1B	X	9.455	9.455	0	%100
146	EQUIP1B	Z	-5.459	-5.459	0	%100
147	M157	X	1.434	1.434	0	%100
148	M157	Z	-.828	-.828	0	%100
149	M158	X	1.434	1.434	0	%100
150	M158	Z	-.828	-.828	0	%100
151	M159	X	1.434	1.434	0	%100
152	M159	Z	-.828	-.828	0	%100
153	M160	X	1.434	1.434	0	%100
154	M160	Z	-.828	-.828	0	%100
155	EQUIP2B	X	9.455	9.455	0	%100
156	EQUIP2B	Z	-5.459	-5.459	0	%100
157	M156A	X	12.592	12.592	0	%100
158	M156A	Z	-7.27	-7.27	0	%100
159	M157A	X	12.592	12.592	0	%100
160	M157A	Z	-7.27	-7.27	0	%100
161	M158A	X	12.592	12.592	0	%100
162	M158A	Z	-7.27	-7.27	0	%100
163	M159A	X	12.592	12.592	0	%100
164	M159A	Z	-7.27	-7.27	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
165	M160A	X	12.592	12.592	0	%100
166	M160A	Z	-7.27	-7.27	0	%100
167	M161	X	12.592	12.592	0	%100
168	M161	Z	-7.27	-7.27	0	%100
169	M186A	X	19.848	19.848	0	%100
170	M186A	Z	-11.459	-11.459	0	%100
171	M187	X	4.962	4.962	0	%100
172	M187	Z	-2.865	-2.865	0	%100
173	M188	X	4.962	4.962	0	%100
174	M188	Z	-2.865	-2.865	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M40	X	0	0	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	2.181	2.181	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	2.181	2.181	0	%100
6	M42	Z	0	0	0	%100
7	M44	X	.545	.545	0	%100
8	M44	Z	0	0	0	%100
9	M45	X	.545	.545	0	%100
10	M45	Z	0	0	0	%100
11	M47	X	.545	.545	0	%100
12	M47	Z	0	0	0	%100
13	M48	X	.545	.545	0	%100
14	M48	Z	0	0	0	%100
15	M49	X	13.601	13.601	0	%100
16	M49	Z	0	0	0	%100
17	M50	X	3.4	3.4	0	%100
18	M50	Z	0	0	0	%100
19	M51	X	3.4	3.4	0	%100
20	M51	Z	0	0	0	%100
21	M52	X	0	0	0	%100
22	M52	Z	0	0	0	%100
23	M54	X	2.181	2.181	0	%100
24	M54	Z	0	0	0	%100
25	M57	X	.545	.545	0	%100
26	M57	Z	0	0	0	%100
27	M60	X	.545	.545	0	%100
28	M60	Z	0	0	0	%100
29	M61	X	13.601	13.601	0	%100
30	M61	Z	0	0	0	%100
31	M62	X	3.4	3.4	0	%100
32	M62	Z	0	0	0	%100
33	M63	X	3.4	3.4	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	14.539	14.539	0	%100
36	M64	Z	0	0	0	%100
37	M65	X	14.539	14.539	0	%100
38	M65	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
39	M66	X	14.539	14.539	0	%100
40	M66	Z	0	0	0	%100
41	M67	X	5.12	5.12	0	%100
42	M67	Z	0	0	0	%100
43	M68	X	5.12	5.12	0	%100
44	M68	Z	0	0	0	%100
45	M72	X	14.002	14.002	0	%100
46	M72	Z	0	0	0	%100
47	M73	X	14.002	14.002	0	%100
48	M73	Z	0	0	0	%100
49	M77	X	14.002	14.002	0	%100
50	M77	Z	0	0	0	%100
51	M78	X	14.002	14.002	0	%100
52	M78	Z	0	0	0	%100
53	M182	X	1.454	1.454	0	%100
54	M182	Z	0	0	0	%100
55	M185	X	1.454	1.454	0	%100
56	M185	Z	0	0	0	%100
57	M186	X	.363	.363	0	%100
58	M186	Z	0	0	0	%100
59	M189	X	.363	.363	0	%100
60	M189	Z	0	0	0	%100
61	M190	X	.363	.363	0	%100
62	M190	Z	0	0	0	%100
63	M193	X	.363	.363	0	%100
64	M193	Z	0	0	0	%100
65	M60B	X	10.359	10.359	0	%100
66	M60B	Z	0	0	0	%100
67	M61B	X	10.359	10.359	0	%100
68	M61B	Z	0	0	0	%100
69	M78A	X	10.359	10.359	0	%100
70	M78A	Z	0	0	0	%100
71	M79	X	10.359	10.359	0	%100
72	M79	Z	0	0	0	%100
73	MP1A	X	16.698	16.698	0	%100
74	MP1A	Z	0	0	0	%100
75	MP3A	X	13.813	13.813	0	%100
76	MP3A	Z	0	0	0	%100
77	MP2A	X	13.813	13.813	0	%100
78	MP2A	Z	0	0	0	%100
79	MP4A	X	13.813	13.813	0	%100
80	MP4A	Z	0	0	0	%100
81	M67A	X	2.208	2.208	0	%100
82	M67A	Z	0	0	0	%100
83	M68A	X	2.208	2.208	0	%100
84	M68A	Z	0	0	0	%100
85	M69A	X	2.208	2.208	0	%100
86	M69A	Z	0	0	0	%100
87	M70A	X	2.208	2.208	0	%100
88	M70A	Z	0	0	0	%100
89	EQUIP1A	X	10.918	10.918	0	%100
90	EQUIP1A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	M81	X	2.208	2.208	0	%100
92	M81	Z	0	0	0	%100
93	M82	X	2.208	2.208	0	%100
94	M82	Z	0	0	0	%100
95	M83	X	2.208	2.208	0	%100
96	M83	Z	0	0	0	%100
97	M84	X	2.208	2.208	0	%100
98	M84	Z	0	0	0	%100
99	EQUIP2A	X	10.918	10.918	0	%100
100	EQUIP2A	Z	0	0	0	%100
101	MP1C	X	16.698	16.698	0	%100
102	MP1C	Z	0	0	0	%100
103	MP3C	X	13.813	13.813	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	13.813	13.813	0	%100
106	MP2C	Z	0	0	0	%100
107	MP4C	X	13.813	13.813	0	%100
108	MP4C	Z	0	0	0	%100
109	M105	X	.552	.552	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	.552	.552	0	%100
112	M106	Z	0	0	0	%100
113	M107	X	.552	.552	0	%100
114	M107	Z	0	0	0	%100
115	M108	X	.552	.552	0	%100
116	M108	Z	0	0	0	%100
117	EQUIP1C	X	10.918	10.918	0	%100
118	EQUIP1C	Z	0	0	0	%100
119	M119	X	.552	.552	0	%100
120	M119	Z	0	0	0	%100
121	M120	X	.552	.552	0	%100
122	M120	Z	0	0	0	%100
123	M121	X	.552	.552	0	%100
124	M121	Z	0	0	0	%100
125	M122	X	.552	.552	0	%100
126	M122	Z	0	0	0	%100
127	EQUIP2C	X	10.918	10.918	0	%100
128	EQUIP2C	Z	0	0	0	%100
129	MP1B	X	16.698	16.698	0	%100
130	MP1B	Z	0	0	0	%100
131	MP3B	X	13.813	13.813	0	%100
132	MP3B	Z	0	0	0	%100
133	MP2B	X	13.813	13.813	0	%100
134	MP2B	Z	0	0	0	%100
135	MP4B	X	13.813	13.813	0	%100
136	MP4B	Z	0	0	0	%100
137	M143	X	.552	.552	0	%100
138	M143	Z	0	0	0	%100
139	M144	X	.552	.552	0	%100
140	M144	Z	0	0	0	%100
141	M145	X	.552	.552	0	%100
142	M145	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
143	M146	X	.552	.552	0	%100
144	M146	Z	0	0	0	%100
145	EQUIP1B	X	10.918	10.918	0	%100
146	EQUIP1B	Z	0	0	0	%100
147	M157	X	.552	.552	0	%100
148	M157	Z	0	0	0	%100
149	M158	X	.552	.552	0	%100
150	M158	Z	0	0	0	%100
151	M159	X	.552	.552	0	%100
152	M159	Z	0	0	0	%100
153	M160	X	.552	.552	0	%100
154	M160	Z	0	0	0	%100
155	EQUIP2B	X	10.918	10.918	0	%100
156	EQUIP2B	Z	0	0	0	%100
157	M156A	X	14.539	14.539	0	%100
158	M156A	Z	0	0	0	%100
159	M157A	X	14.539	14.539	0	%100
160	M157A	Z	0	0	0	%100
161	M158A	X	14.539	14.539	0	%100
162	M158A	Z	0	0	0	%100
163	M159A	X	14.539	14.539	0	%100
164	M159A	Z	0	0	0	%100
165	M160A	X	14.539	14.539	0	%100
166	M160A	Z	0	0	0	%100
167	M161	X	14.539	14.539	0	%100
168	M161	Z	0	0	0	%100
169	M186A	X	17.189	17.189	0	%100
170	M186A	Z	0	0	0	%100
171	M187	X	0	0	0	%100
172	M187	Z	0	0	0	%100
173	M188	X	17.189	17.189	0	%100
174	M188	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M40	X	2.99	2.99	0	%100
2	M40	Z	1.727	1.727	0	%100
3	M41	X	1.417	1.417	0	%100
4	M41	Z	.818	.818	0	%100
5	M42	X	1.417	1.417	0	%100
6	M42	Z	.818	.818	0	%100
7	M44	X	0	0	0	%100
8	M44	Z	0	0	0	%100
9	M45	X	0	0	0	%100
10	M45	Z	0	0	0	%100
11	M47	X	1.417	1.417	0	%100
12	M47	Z	.818	.818	0	%100
13	M48	X	1.417	1.417	0	%100
14	M48	Z	.818	.818	0	%100
15	M49	X	8.834	8.834	0	%100
16	M49	Z	5.1	5.1	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M50	X	8.834	8.834	0	%100
18	M50	Z	5.1	5.1	0	%100
19	M51	X	0	0	0	%100
20	M51	Z	0	0	0	%100
21	M52	X	2.99	2.99	0	%100
22	M52	Z	1.727	1.727	0	%100
23	M54	X	1.417	1.417	0	%100
24	M54	Z	.818	.818	0	%100
25	M57	X	0	0	0	%100
26	M57	Z	0	0	0	%100
27	M60	X	1.417	1.417	0	%100
28	M60	Z	.818	.818	0	%100
29	M61	X	8.834	8.834	0	%100
30	M61	Z	5.1	5.1	0	%100
31	M62	X	8.834	8.834	0	%100
32	M62	Z	5.1	5.1	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	12.592	12.592	0	%100
36	M64	Z	7.27	7.27	0	%100
37	M65	X	12.592	12.592	0	%100
38	M65	Z	7.27	7.27	0	%100
39	M66	X	12.592	12.592	0	%100
40	M66	Z	7.27	7.27	0	%100
41	M67	X	6.998	6.998	0	%100
42	M67	Z	4.04	4.04	0	%100
43	M68	X	6.998	6.998	0	%100
44	M68	Z	4.04	4.04	0	%100
45	M72	X	14.69	14.69	0	%100
46	M72	Z	8.481	8.481	0	%100
47	M73	X	14.69	14.69	0	%100
48	M73	Z	8.481	8.481	0	%100
49	M77	X	6.998	6.998	0	%100
50	M77	Z	4.04	4.04	0	%100
51	M78	X	6.998	6.998	0	%100
52	M78	Z	4.04	4.04	0	%100
53	M182	X	.944	.944	0	%100
54	M182	Z	.545	.545	0	%100
55	M185	X	.944	.944	0	%100
56	M185	Z	.545	.545	0	%100
57	M186	X	.944	.944	0	%100
58	M186	Z	.545	.545	0	%100
59	M189	X	.944	.944	0	%100
60	M189	Z	.545	.545	0	%100
61	M190	X	0	0	0	%100
62	M190	Z	0	0	0	%100
63	M193	X	0	0	0	%100
64	M193	Z	0	0	0	%100
65	M60B	X	2.99	2.99	0	%100
66	M60B	Z	1.727	1.727	0	%100
67	M61B	X	2.99	2.99	0	%100
68	M61B	Z	1.727	1.727	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M78A	X	11.962	11.962	0	%100
70	M78A	Z	6.906	6.906	0	%100
71	M79	X	11.962	11.962	0	%100
72	M79	Z	6.906	6.906	0	%100
73	MP1A	X	14.461	14.461	0	%100
74	MP1A	Z	8.349	8.349	0	%100
75	MP3A	X	11.962	11.962	0	%100
76	MP3A	Z	6.906	6.906	0	%100
77	MP2A	X	11.962	11.962	0	%100
78	MP2A	Z	6.906	6.906	0	%100
79	MP4A	X	11.962	11.962	0	%100
80	MP4A	Z	6.906	6.906	0	%100
81	M67A	X	1.434	1.434	0	%100
82	M67A	Z	.828	.828	0	%100
83	M68A	X	1.434	1.434	0	%100
84	M68A	Z	.828	.828	0	%100
85	M69A	X	1.434	1.434	0	%100
86	M69A	Z	.828	.828	0	%100
87	M70A	X	1.434	1.434	0	%100
88	M70A	Z	.828	.828	0	%100
89	EQUIP1A	X	9.455	9.455	0	%100
90	EQUIP1A	Z	5.459	5.459	0	%100
91	M81	X	1.434	1.434	0	%100
92	M81	Z	.828	.828	0	%100
93	M82	X	1.434	1.434	0	%100
94	M82	Z	.828	.828	0	%100
95	M83	X	1.434	1.434	0	%100
96	M83	Z	.828	.828	0	%100
97	M84	X	1.434	1.434	0	%100
98	M84	Z	.828	.828	0	%100
99	EQUIP2A	X	9.455	9.455	0	%100
100	EQUIP2A	Z	5.459	5.459	0	%100
101	MP1C	X	14.461	14.461	0	%100
102	MP1C	Z	8.349	8.349	0	%100
103	MP3C	X	11.962	11.962	0	%100
104	MP3C	Z	6.906	6.906	0	%100
105	MP2C	X	11.962	11.962	0	%100
106	MP2C	Z	6.906	6.906	0	%100
107	MP4C	X	11.962	11.962	0	%100
108	MP4C	Z	6.906	6.906	0	%100
109	M105	X	1.434	1.434	0	%100
110	M105	Z	.828	.828	0	%100
111	M106	X	1.434	1.434	0	%100
112	M106	Z	.828	.828	0	%100
113	M107	X	1.434	1.434	0	%100
114	M107	Z	.828	.828	0	%100
115	M108	X	1.434	1.434	0	%100
116	M108	Z	.828	.828	0	%100
117	EQUIP1C	X	9.455	9.455	0	%100
118	EQUIP1C	Z	5.459	5.459	0	%100
119	M119	X	1.434	1.434	0	%100
120	M119	Z	.828	.828	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
121	M120	X	1.434	1.434	0	%100
122	M120	Z	.828	.828	0	%100
123	M121	X	1.434	1.434	0	%100
124	M121	Z	.828	.828	0	%100
125	M122	X	1.434	1.434	0	%100
126	M122	Z	.828	.828	0	%100
127	EQUIP2C	X	9.455	9.455	0	%100
128	EQUIP2C	Z	5.459	5.459	0	%100
129	MP1B	X	14.461	14.461	0	%100
130	MP1B	Z	8.349	8.349	0	%100
131	MP3B	X	11.962	11.962	0	%100
132	MP3B	Z	6.906	6.906	0	%100
133	MP2B	X	11.962	11.962	0	%100
134	MP2B	Z	6.906	6.906	0	%100
135	MP4B	X	11.962	11.962	0	%100
136	MP4B	Z	6.906	6.906	0	%100
137	M143	X	0	0	0	%100
138	M143	Z	0	0	0	%100
139	M144	X	0	0	0	%100
140	M144	Z	0	0	0	%100
141	M145	X	0	0	0	%100
142	M145	Z	0	0	0	%100
143	M146	X	0	0	0	%100
144	M146	Z	0	0	0	%100
145	EQUIP1B	X	9.455	9.455	0	%100
146	EQUIP1B	Z	5.459	5.459	0	%100
147	M157	X	0	0	0	%100
148	M157	Z	0	0	0	%100
149	M158	X	0	0	0	%100
150	M158	Z	0	0	0	%100
151	M159	X	0	0	0	%100
152	M159	Z	0	0	0	%100
153	M160	X	0	0	0	%100
154	M160	Z	0	0	0	%100
155	EQUIP2B	X	9.455	9.455	0	%100
156	EQUIP2B	Z	5.459	5.459	0	%100
157	M156A	X	12.592	12.592	0	%100
158	M156A	Z	7.27	7.27	0	%100
159	M157A	X	12.592	12.592	0	%100
160	M157A	Z	7.27	7.27	0	%100
161	M158A	X	12.592	12.592	0	%100
162	M158A	Z	7.27	7.27	0	%100
163	M159A	X	12.592	12.592	0	%100
164	M159A	Z	7.27	7.27	0	%100
165	M160A	X	12.592	12.592	0	%100
166	M160A	Z	7.27	7.27	0	%100
167	M161	X	12.592	12.592	0	%100
168	M161	Z	7.27	7.27	0	%100
169	M186A	X	4.962	4.962	0	%100
170	M186A	Z	2.865	2.865	0	%100
171	M187	X	4.962	4.962	0	%100
172	M187	Z	2.865	2.865	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
173	M188	X	19.848	19.848	0	%100
174	M188	Z	11.459	11.459	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M40	X	5.18	5.18	0	%100
2	M40	Z	8.971	8.971	0	%100
3	M41	X	.273	.273	0	%100
4	M41	Z	.472	.472	0	%100
5	M42	X	.273	.273	0	%100
6	M42	Z	.472	.472	0	%100
7	M44	X	.273	.273	0	%100
8	M44	Z	.472	.472	0	%100
9	M45	X	.273	.273	0	%100
10	M45	Z	.472	.472	0	%100
11	M47	X	1.09	1.09	0	%100
12	M47	Z	1.889	1.889	0	%100
13	M48	X	1.09	1.09	0	%100
14	M48	Z	1.889	1.889	0	%100
15	M49	X	1.7	1.7	0	%100
16	M49	Z	2.945	2.945	0	%100
17	M50	X	6.8	6.8	0	%100
18	M50	Z	11.779	11.779	0	%100
19	M51	X	1.7	1.7	0	%100
20	M51	Z	2.945	2.945	0	%100
21	M52	X	5.18	5.18	0	%100
22	M52	Z	8.971	8.971	0	%100
23	M54	X	.273	.273	0	%100
24	M54	Z	.472	.472	0	%100
25	M57	X	.273	.273	0	%100
26	M57	Z	.472	.472	0	%100
27	M60	X	1.09	1.09	0	%100
28	M60	Z	1.889	1.889	0	%100
29	M61	X	1.7	1.7	0	%100
30	M61	Z	2.945	2.945	0	%100
31	M62	X	6.8	6.8	0	%100
32	M62	Z	11.779	11.779	0	%100
33	M63	X	1.7	1.7	0	%100
34	M63	Z	2.945	2.945	0	%100
35	M64	X	7.27	7.27	0	%100
36	M64	Z	12.592	12.592	0	%100
37	M65	X	7.27	7.27	0	%100
38	M65	Z	12.592	12.592	0	%100
39	M66	X	7.27	7.27	0	%100
40	M66	Z	12.592	12.592	0	%100
41	M67	X	7.001	7.001	0	%100
42	M67	Z	12.126	12.126	0	%100
43	M68	X	7.001	7.001	0	%100
44	M68	Z	12.126	12.126	0	%100
45	M72	X	7.001	7.001	0	%100
46	M72	Z	12.126	12.126	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	M73	X	7.001	7.001	0	%100
48	M73	Z	12.126	12.126	0	%100
49	M77	X	2.56	2.56	0	%100
50	M77	Z	4.434	4.434	0	%100
51	M78	X	2.56	2.56	0	%100
52	M78	Z	4.434	4.434	0	%100
53	M182	X	.182	.182	0	%100
54	M182	Z	.315	.315	0	%100
55	M185	X	.182	.182	0	%100
56	M185	Z	.315	.315	0	%100
57	M186	X	.727	.727	0	%100
58	M186	Z	1.259	1.259	0	%100
59	M189	X	.727	.727	0	%100
60	M189	Z	1.259	1.259	0	%100
61	M190	X	.182	.182	0	%100
62	M190	Z	.315	.315	0	%100
63	M193	X	.182	.182	0	%100
64	M193	Z	.315	.315	0	%100
65	M60B	X	0	0	0	%100
66	M60B	Z	0	0	0	%100
67	M61B	X	0	0	0	%100
68	M61B	Z	0	0	0	%100
69	M78A	X	5.18	5.18	0	%100
70	M78A	Z	8.971	8.971	0	%100
71	M79	X	5.18	5.18	0	%100
72	M79	Z	8.971	8.971	0	%100
73	MP1A	X	8.349	8.349	0	%100
74	MP1A	Z	14.461	14.461	0	%100
75	MP3A	X	6.906	6.906	0	%100
76	MP3A	Z	11.962	11.962	0	%100
77	MP2A	X	6.906	6.906	0	%100
78	MP2A	Z	11.962	11.962	0	%100
79	MP4A	X	6.906	6.906	0	%100
80	MP4A	Z	11.962	11.962	0	%100
81	M67A	X	.276	.276	0	%100
82	M67A	Z	.478	.478	0	%100
83	M68A	X	.276	.276	0	%100
84	M68A	Z	.478	.478	0	%100
85	M69A	X	.276	.276	0	%100
86	M69A	Z	.478	.478	0	%100
87	M70A	X	.276	.276	0	%100
88	M70A	Z	.478	.478	0	%100
89	EQUIP1A	X	5.459	5.459	0	%100
90	EQUIP1A	Z	9.455	9.455	0	%100
91	M81	X	.276	.276	0	%100
92	M81	Z	.478	.478	0	%100
93	M82	X	.276	.276	0	%100
94	M82	Z	.478	.478	0	%100
95	M83	X	.276	.276	0	%100
96	M83	Z	.478	.478	0	%100
97	M84	X	.276	.276	0	%100
98	M84	Z	.478	.478	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
99	EQUIP2A	X	5.459	5.459	0	%100
100	EQUIP2A	Z	9.455	9.455	0	%100
101	MP1C	X	8.349	8.349	0	%100
102	MP1C	Z	14.461	14.461	0	%100
103	MP3C	X	6.906	6.906	0	%100
104	MP3C	Z	11.962	11.962	0	%100
105	MP2C	X	6.906	6.906	0	%100
106	MP2C	Z	11.962	11.962	0	%100
107	MP4C	X	6.906	6.906	0	%100
108	MP4C	Z	11.962	11.962	0	%100
109	M105	X	1.104	1.104	0	%100
110	M105	Z	1.912	1.912	0	%100
111	M106	X	1.104	1.104	0	%100
112	M106	Z	1.912	1.912	0	%100
113	M107	X	1.104	1.104	0	%100
114	M107	Z	1.912	1.912	0	%100
115	M108	X	1.104	1.104	0	%100
116	M108	Z	1.912	1.912	0	%100
117	EQUIP1C	X	5.459	5.459	0	%100
118	EQUIP1C	Z	9.455	9.455	0	%100
119	M119	X	1.104	1.104	0	%100
120	M119	Z	1.912	1.912	0	%100
121	M120	X	1.104	1.104	0	%100
122	M120	Z	1.912	1.912	0	%100
123	M121	X	1.104	1.104	0	%100
124	M121	Z	1.912	1.912	0	%100
125	M122	X	1.104	1.104	0	%100
126	M122	Z	1.912	1.912	0	%100
127	EQUIP2C	X	5.459	5.459	0	%100
128	EQUIP2C	Z	9.455	9.455	0	%100
129	MP1B	X	8.349	8.349	0	%100
130	MP1B	Z	14.461	14.461	0	%100
131	MP3B	X	6.906	6.906	0	%100
132	MP3B	Z	11.962	11.962	0	%100
133	MP2B	X	6.906	6.906	0	%100
134	MP2B	Z	11.962	11.962	0	%100
135	MP4B	X	6.906	6.906	0	%100
136	MP4B	Z	11.962	11.962	0	%100
137	M143	X	.276	.276	0	%100
138	M143	Z	.478	.478	0	%100
139	M144	X	.276	.276	0	%100
140	M144	Z	.478	.478	0	%100
141	M145	X	.276	.276	0	%100
142	M145	Z	.478	.478	0	%100
143	M146	X	.276	.276	0	%100
144	M146	Z	.478	.478	0	%100
145	EQUIP1B	X	5.459	5.459	0	%100
146	EQUIP1B	Z	9.455	9.455	0	%100
147	M157	X	.276	.276	0	%100
148	M157	Z	.478	.478	0	%100
149	M158	X	.276	.276	0	%100
150	M158	Z	.478	.478	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
151	M159	X	.276	.276	0	%100
152	M159	Z	.478	.478	0	%100
153	M160	X	.276	.276	0	%100
154	M160	Z	.478	.478	0	%100
155	EQUIP2B	X	5.459	5.459	0	%100
156	EQUIP2B	Z	9.455	9.455	0	%100
157	M156A	X	7.27	7.27	0	%100
158	M156A	Z	12.592	12.592	0	%100
159	M157A	X	7.27	7.27	0	%100
160	M157A	Z	12.592	12.592	0	%100
161	M158A	X	7.27	7.27	0	%100
162	M158A	Z	12.592	12.592	0	%100
163	M159A	X	7.27	7.27	0	%100
164	M159A	Z	12.592	12.592	0	%100
165	M160A	X	7.27	7.27	0	%100
166	M160A	Z	12.592	12.592	0	%100
167	M161	X	7.27	7.27	0	%100
168	M161	Z	12.592	12.592	0	%100
169	M186A	X	0	0	0	%100
170	M186A	Z	0	0	0	%100
171	M187	X	8.594	8.594	0	%100
172	M187	Z	14.886	14.886	0	%100
173	M188	X	8.594	8.594	0	%100
174	M188	Z	14.886	14.886	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M40	X	0	0	0	%100
2	M40	Z	13.813	13.813	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	0	0	0	%100
7	M44	X	0	0	0	%100
8	M44	Z	1.636	1.636	0	%100
9	M45	X	0	0	0	%100
10	M45	Z	1.636	1.636	0	%100
11	M47	X	0	0	0	%100
12	M47	Z	1.636	1.636	0	%100
13	M48	X	0	0	0	%100
14	M48	Z	1.636	1.636	0	%100
15	M49	X	0	0	0	%100
16	M49	Z	0	0	0	%100
17	M50	X	0	0	0	%100
18	M50	Z	10.201	10.201	0	%100
19	M51	X	0	0	0	%100
20	M51	Z	10.201	10.201	0	%100
21	M52	X	0	0	0	%100
22	M52	Z	13.813	13.813	0	%100
23	M54	X	0	0	0	%100
24	M54	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
25	M57	X	0	0	0	%100
26	M57	Z	1.636	1.636	0	%100
27	M60	X	0	0	0	%100
28	M60	Z	1.636	1.636	0	%100
29	M61	X	0	0	0	%100
30	M61	Z	0	0	0	%100
31	M62	X	0	0	0	%100
32	M62	Z	10.201	10.201	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	10.201	10.201	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	14.539	14.539	0	%100
37	M65	X	0	0	0	%100
38	M65	Z	14.539	14.539	0	%100
39	M66	X	0	0	0	%100
40	M66	Z	14.539	14.539	0	%100
41	M67	X	0	0	0	%100
42	M67	Z	16.963	16.963	0	%100
43	M68	X	0	0	0	%100
44	M68	Z	16.963	16.963	0	%100
45	M72	X	0	0	0	%100
46	M72	Z	8.081	8.081	0	%100
47	M73	X	0	0	0	%100
48	M73	Z	8.081	8.081	0	%100
49	M77	X	0	0	0	%100
50	M77	Z	8.081	8.081	0	%100
51	M78	X	0	0	0	%100
52	M78	Z	8.081	8.081	0	%100
53	M182	X	0	0	0	%100
54	M182	Z	0	0	0	%100
55	M185	X	0	0	0	%100
56	M185	Z	0	0	0	%100
57	M186	X	0	0	0	%100
58	M186	Z	1.09	1.09	0	%100
59	M189	X	0	0	0	%100
60	M189	Z	1.09	1.09	0	%100
61	M190	X	0	0	0	%100
62	M190	Z	1.09	1.09	0	%100
63	M193	X	0	0	0	%100
64	M193	Z	1.09	1.09	0	%100
65	M60B	X	0	0	0	%100
66	M60B	Z	3.453	3.453	0	%100
67	M61B	X	0	0	0	%100
68	M61B	Z	3.453	3.453	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	3.453	3.453	0	%100
71	M79	X	0	0	0	%100
72	M79	Z	3.453	3.453	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	16.698	16.698	0	%100
75	MP3A	X	0	0	0	%100
76	MP3A	Z	13.813	13.813	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
77	MP2A	X	0	0	0	%100
78	MP2A	Z	13.813	13.813	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	13.813	13.813	0	%100
81	M67A	X	0	0	0	%100
82	M67A	Z	0	0	0	%100
83	M68A	X	0	0	0	%100
84	M68A	Z	0	0	0	%100
85	M69A	X	0	0	0	%100
86	M69A	Z	0	0	0	%100
87	M70A	X	0	0	0	%100
88	M70A	Z	0	0	0	%100
89	EQUIP1A	X	0	0	0	%100
90	EQUIP1A	Z	10.918	10.918	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	0	0	0	%100
93	M82	X	0	0	0	%100
94	M82	Z	0	0	0	%100
95	M83	X	0	0	0	%100
96	M83	Z	0	0	0	%100
97	M84	X	0	0	0	%100
98	M84	Z	0	0	0	%100
99	EQUIP2A	X	0	0	0	%100
100	EQUIP2A	Z	10.918	10.918	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	16.698	16.698	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	13.813	13.813	0	%100
105	MP2C	X	0	0	0	%100
106	MP2C	Z	13.813	13.813	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	13.813	13.813	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	1.656	1.656	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	1.656	1.656	0	%100
113	M107	X	0	0	0	%100
114	M107	Z	1.656	1.656	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	1.656	1.656	0	%100
117	EQUIP1C	X	0	0	0	%100
118	EQUIP1C	Z	10.918	10.918	0	%100
119	M119	X	0	0	0	%100
120	M119	Z	1.656	1.656	0	%100
121	M120	X	0	0	0	%100
122	M120	Z	1.656	1.656	0	%100
123	M121	X	0	0	0	%100
124	M121	Z	1.656	1.656	0	%100
125	M122	X	0	0	0	%100
126	M122	Z	1.656	1.656	0	%100
127	EQUIP2C	X	0	0	0	%100
128	EQUIP2C	Z	10.918	10.918	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
129	MP1B	X	0	0	0	%100
130	MP1B	Z	16.698	16.698	0	%100
131	MP3B	X	0	0	0	%100
132	MP3B	Z	13.813	13.813	0	%100
133	MP2B	X	0	0	0	%100
134	MP2B	Z	13.813	13.813	0	%100
135	MP4B	X	0	0	0	%100
136	MP4B	Z	13.813	13.813	0	%100
137	M143	X	0	0	0	%100
138	M143	Z	1.656	1.656	0	%100
139	M144	X	0	0	0	%100
140	M144	Z	1.656	1.656	0	%100
141	M145	X	0	0	0	%100
142	M145	Z	1.656	1.656	0	%100
143	M146	X	0	0	0	%100
144	M146	Z	1.656	1.656	0	%100
145	EQUIP1B	X	0	0	0	%100
146	EQUIP1B	Z	10.918	10.918	0	%100
147	M157	X	0	0	0	%100
148	M157	Z	1.656	1.656	0	%100
149	M158	X	0	0	0	%100
150	M158	Z	1.656	1.656	0	%100
151	M159	X	0	0	0	%100
152	M159	Z	1.656	1.656	0	%100
153	M160	X	0	0	0	%100
154	M160	Z	1.656	1.656	0	%100
155	EQUIP2B	X	0	0	0	%100
156	EQUIP2B	Z	10.918	10.918	0	%100
157	M156A	X	0	0	0	%100
158	M156A	Z	14.539	14.539	0	%100
159	M157A	X	0	0	0	%100
160	M157A	Z	14.539	14.539	0	%100
161	M158A	X	0	0	0	%100
162	M158A	Z	14.539	14.539	0	%100
163	M159A	X	0	0	0	%100
164	M159A	Z	14.539	14.539	0	%100
165	M160A	X	0	0	0	%100
166	M160A	Z	14.539	14.539	0	%100
167	M161	X	0	0	0	%100
168	M161	Z	14.539	14.539	0	%100
169	M186A	X	0	0	0	%100
170	M186A	Z	5.73	5.73	0	%100
171	M187	X	0	0	0	%100
172	M187	Z	22.918	22.918	0	%100
173	M188	X	0	0	0	%100
174	M188	Z	5.73	5.73	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M40	X	-5.18	-5.18	0	%100
2	M40	Z	8.971	8.971	0	%100



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

Mar 18, 2022
 9:22 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	M41	X	-.273	-.273	0	%100
4	M41	Z	.472	.472	0	%100
5	M42	X	-.273	-.273	0	%100
6	M42	Z	.472	.472	0	%100
7	M44	X	-1.09	-1.09	0	%100
8	M44	Z	1.889	1.889	0	%100
9	M45	X	-1.09	-1.09	0	%100
10	M45	Z	1.889	1.889	0	%100
11	M47	X	-.273	-.273	0	%100
12	M47	Z	.472	.472	0	%100
13	M48	X	-.273	-.273	0	%100
14	M48	Z	.472	.472	0	%100
15	M49	X	-1.7	-1.7	0	%100
16	M49	Z	2.945	2.945	0	%100
17	M50	X	-1.7	-1.7	0	%100
18	M50	Z	2.945	2.945	0	%100
19	M51	X	-6.8	-6.8	0	%100
20	M51	Z	11.779	11.779	0	%100
21	M52	X	-5.18	-5.18	0	%100
22	M52	Z	8.971	8.971	0	%100
23	M54	X	-.273	-.273	0	%100
24	M54	Z	.472	.472	0	%100
25	M57	X	-1.09	-1.09	0	%100
26	M57	Z	1.889	1.889	0	%100
27	M60	X	-.273	-.273	0	%100
28	M60	Z	.472	.472	0	%100
29	M61	X	-1.7	-1.7	0	%100
30	M61	Z	2.945	2.945	0	%100
31	M62	X	-1.7	-1.7	0	%100
32	M62	Z	2.945	2.945	0	%100
33	M63	X	-6.8	-6.8	0	%100
34	M63	Z	11.779	11.779	0	%100
35	M64	X	-7.27	-7.27	0	%100
36	M64	Z	12.592	12.592	0	%100
37	M65	X	-7.27	-7.27	0	%100
38	M65	Z	12.592	12.592	0	%100
39	M66	X	-7.27	-7.27	0	%100
40	M66	Z	12.592	12.592	0	%100
41	M67	X	-7.001	-7.001	0	%100
42	M67	Z	12.126	12.126	0	%100
43	M68	X	-7.001	-7.001	0	%100
44	M68	Z	12.126	12.126	0	%100
45	M72	X	-2.56	-2.56	0	%100
46	M72	Z	4.434	4.434	0	%100
47	M73	X	-2.56	-2.56	0	%100
48	M73	Z	4.434	4.434	0	%100
49	M77	X	-7.001	-7.001	0	%100
50	M77	Z	12.126	12.126	0	%100
51	M78	X	-7.001	-7.001	0	%100
52	M78	Z	12.126	12.126	0	%100
53	M182	X	-.182	-.182	0	%100
54	M182	Z	.315	.315	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
55	M185	X	-.182	-.182	0	%100
56	M185	Z	.315	.315	0	%100
57	M186	X	-.182	-.182	0	%100
58	M186	Z	.315	.315	0	%100
59	M189	X	-.182	-.182	0	%100
60	M189	Z	.315	.315	0	%100
61	M190	X	-.727	-.727	0	%100
62	M190	Z	1.259	1.259	0	%100
63	M193	X	-.727	-.727	0	%100
64	M193	Z	1.259	1.259	0	%100
65	M60B	X	-5.18	-5.18	0	%100
66	M60B	Z	8.971	8.971	0	%100
67	M61B	X	-5.18	-5.18	0	%100
68	M61B	Z	8.971	8.971	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79	X	0	0	0	%100
72	M79	Z	0	0	0	%100
73	MP1A	X	-8.349	-8.349	0	%100
74	MP1A	Z	14.461	14.461	0	%100
75	MP3A	X	-6.906	-6.906	0	%100
76	MP3A	Z	11.962	11.962	0	%100
77	MP2A	X	-6.906	-6.906	0	%100
78	MP2A	Z	11.962	11.962	0	%100
79	MP4A	X	-6.906	-6.906	0	%100
80	MP4A	Z	11.962	11.962	0	%100
81	M67A	X	-.276	-.276	0	%100
82	M67A	Z	.478	.478	0	%100
83	M68A	X	-.276	-.276	0	%100
84	M68A	Z	.478	.478	0	%100
85	M69A	X	-.276	-.276	0	%100
86	M69A	Z	.478	.478	0	%100
87	M70A	X	-.276	-.276	0	%100
88	M70A	Z	.478	.478	0	%100
89	EQUIP1A	X	-5.459	-5.459	0	%100
90	EQUIP1A	Z	9.455	9.455	0	%100
91	M81	X	-.276	-.276	0	%100
92	M81	Z	.478	.478	0	%100
93	M82	X	-.276	-.276	0	%100
94	M82	Z	.478	.478	0	%100
95	M83	X	-.276	-.276	0	%100
96	M83	Z	.478	.478	0	%100
97	M84	X	-.276	-.276	0	%100
98	M84	Z	.478	.478	0	%100
99	EQUIP2A	X	-5.459	-5.459	0	%100
100	EQUIP2A	Z	9.455	9.455	0	%100
101	MP1C	X	-8.349	-8.349	0	%100
102	MP1C	Z	14.461	14.461	0	%100
103	MP3C	X	-6.906	-6.906	0	%100
104	MP3C	Z	11.962	11.962	0	%100
105	MP2C	X	-6.906	-6.906	0	%100
106	MP2C	Z	11.962	11.962	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
107	MP4C	X	-6.906	-6.906	0	%100
108	MP4C	Z	11.962	11.962	0	%100
109	M105	X	-.276	-.276	0	%100
110	M105	Z	.478	.478	0	%100
111	M106	X	-.276	-.276	0	%100
112	M106	Z	.478	.478	0	%100
113	M107	X	-.276	-.276	0	%100
114	M107	Z	.478	.478	0	%100
115	M108	X	-.276	-.276	0	%100
116	M108	Z	.478	.478	0	%100
117	EQUIP1C	X	-5.459	-5.459	0	%100
118	EQUIP1C	Z	9.455	9.455	0	%100
119	M119	X	-.276	-.276	0	%100
120	M119	Z	.478	.478	0	%100
121	M120	X	-.276	-.276	0	%100
122	M120	Z	.478	.478	0	%100
123	M121	X	-.276	-.276	0	%100
124	M121	Z	.478	.478	0	%100
125	M122	X	-.276	-.276	0	%100
126	M122	Z	.478	.478	0	%100
127	EQUIP2C	X	-5.459	-5.459	0	%100
128	EQUIP2C	Z	9.455	9.455	0	%100
129	MP1B	X	-8.349	-8.349	0	%100
130	MP1B	Z	14.461	14.461	0	%100
131	MP3B	X	-6.906	-6.906	0	%100
132	MP3B	Z	11.962	11.962	0	%100
133	MP2B	X	-6.906	-6.906	0	%100
134	MP2B	Z	11.962	11.962	0	%100
135	MP4B	X	-6.906	-6.906	0	%100
136	MP4B	Z	11.962	11.962	0	%100
137	M143	X	-1.104	-1.104	0	%100
138	M143	Z	1.912	1.912	0	%100
139	M144	X	-1.104	-1.104	0	%100
140	M144	Z	1.912	1.912	0	%100
141	M145	X	-1.104	-1.104	0	%100
142	M145	Z	1.912	1.912	0	%100
143	M146	X	-1.104	-1.104	0	%100
144	M146	Z	1.912	1.912	0	%100
145	EQUIP1B	X	-5.459	-5.459	0	%100
146	EQUIP1B	Z	9.455	9.455	0	%100
147	M157	X	-1.104	-1.104	0	%100
148	M157	Z	1.912	1.912	0	%100
149	M158	X	-1.104	-1.104	0	%100
150	M158	Z	1.912	1.912	0	%100
151	M159	X	-1.104	-1.104	0	%100
152	M159	Z	1.912	1.912	0	%100
153	M160	X	-1.104	-1.104	0	%100
154	M160	Z	1.912	1.912	0	%100
155	EQUIP2B	X	-5.459	-5.459	0	%100
156	EQUIP2B	Z	9.455	9.455	0	%100
157	M156A	X	-7.27	-7.27	0	%100
158	M156A	Z	12.592	12.592	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
159	M157A	X	-7.27	-7.27	0	%100
160	M157A	Z	12.592	12.592	0	%100
161	M158A	X	-7.27	-7.27	0	%100
162	M158A	Z	12.592	12.592	0	%100
163	M159A	X	-7.27	-7.27	0	%100
164	M159A	Z	12.592	12.592	0	%100
165	M160A	X	-7.27	-7.27	0	%100
166	M160A	Z	12.592	12.592	0	%100
167	M161	X	-7.27	-7.27	0	%100
168	M161	Z	12.592	12.592	0	%100
169	M186A	X	-8.594	-8.594	0	%100
170	M186A	Z	14.886	14.886	0	%100
171	M187	X	-8.594	-8.594	0	%100
172	M187	Z	14.886	14.886	0	%100
173	M188	X	0	0	0	%100
174	M188	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M40	X	-2.99	-2.99	0	%100
2	M40	Z	1.727	1.727	0	%100
3	M41	X	-1.417	-1.417	0	%100
4	M41	Z	.818	.818	0	%100
5	M42	X	-1.417	-1.417	0	%100
6	M42	Z	.818	.818	0	%100
7	M44	X	-1.417	-1.417	0	%100
8	M44	Z	.818	.818	0	%100
9	M45	X	-1.417	-1.417	0	%100
10	M45	Z	.818	.818	0	%100
11	M47	X	0	0	0	%100
12	M47	Z	0	0	0	%100
13	M48	X	0	0	0	%100
14	M48	Z	0	0	0	%100
15	M49	X	-8.834	-8.834	0	%100
16	M49	Z	5.1	5.1	0	%100
17	M50	X	0	0	0	%100
18	M50	Z	0	0	0	%100
19	M51	X	-8.834	-8.834	0	%100
20	M51	Z	5.1	5.1	0	%100
21	M52	X	-2.99	-2.99	0	%100
22	M52	Z	1.727	1.727	0	%100
23	M54	X	-1.417	-1.417	0	%100
24	M54	Z	.818	.818	0	%100
25	M57	X	-1.417	-1.417	0	%100
26	M57	Z	.818	.818	0	%100
27	M60	X	0	0	0	%100
28	M60	Z	0	0	0	%100
29	M61	X	-8.834	-8.834	0	%100
30	M61	Z	5.1	5.1	0	%100
31	M62	X	0	0	0	%100
32	M62	Z	0	0	0	%100



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 Designer :
 Job Number : Project No. 10129647
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Member Distributed Loads (BLC 49 : Structure Wo (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M63	X	-8.834	-8.834	0	%100
34	M63	Z	5.1	5.1	0	%100
35	M64	X	-12.592	-12.592	0	%100
36	M64	Z	7.27	7.27	0	%100
37	M65	X	-12.592	-12.592	0	%100
38	M65	Z	7.27	7.27	0	%100
39	M66	X	-12.592	-12.592	0	%100
40	M66	Z	7.27	7.27	0	%100
41	M67	X	-6.998	-6.998	0	%100
42	M67	Z	4.04	4.04	0	%100
43	M68	X	-6.998	-6.998	0	%100
44	M68	Z	4.04	4.04	0	%100
45	M72	X	-6.998	-6.998	0	%100
46	M72	Z	4.04	4.04	0	%100
47	M73	X	-6.998	-6.998	0	%100
48	M73	Z	4.04	4.04	0	%100
49	M77	X	-14.69	-14.69	0	%100
50	M77	Z	8.481	8.481	0	%100
51	M78	X	-14.69	-14.69	0	%100
52	M78	Z	8.481	8.481	0	%100
53	M182	X	-.944	-.944	0	%100
54	M182	Z	.545	.545	0	%100
55	M185	X	-.944	-.944	0	%100
56	M185	Z	.545	.545	0	%100
57	M186	X	0	0	0	%100
58	M186	Z	0	0	0	%100
59	M189	X	0	0	0	%100
60	M189	Z	0	0	0	%100
61	M190	X	-.944	-.944	0	%100
62	M190	Z	.545	.545	0	%100
63	M193	X	-.944	-.944	0	%100
64	M193	Z	.545	.545	0	%100
65	M60B	X	-11.962	-11.962	0	%100
66	M60B	Z	6.906	6.906	0	%100
67	M61B	X	-11.962	-11.962	0	%100
68	M61B	Z	6.906	6.906	0	%100
69	M78A	X	-2.99	-2.99	0	%100
70	M78A	Z	1.727	1.727	0	%100
71	M79	X	-2.99	-2.99	0	%100
72	M79	Z	1.727	1.727	0	%100
73	MP1A	X	-14.461	-14.461	0	%100
74	MP1A	Z	8.349	8.349	0	%100
75	MP3A	X	-11.962	-11.962	0	%100
76	MP3A	Z	6.906	6.906	0	%100
77	MP2A	X	-11.962	-11.962	0	%100
78	MP2A	Z	6.906	6.906	0	%100
79	MP4A	X	-11.962	-11.962	0	%100
80	MP4A	Z	6.906	6.906	0	%100
81	M67A	X	-1.434	-1.434	0	%100
82	M67A	Z	.828	.828	0	%100
83	M68A	X	-1.434	-1.434	0	%100
84	M68A	Z	.828	.828	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M69A	X	-1.434	-1.434	0	%100
86	M69A	Z	.828	.828	0	%100
87	M70A	X	-1.434	-1.434	0	%100
88	M70A	Z	.828	.828	0	%100
89	EQUIP1A	X	-9.455	-9.455	0	%100
90	EQUIP1A	Z	5.459	5.459	0	%100
91	M81	X	-1.434	-1.434	0	%100
92	M81	Z	.828	.828	0	%100
93	M82	X	-1.434	-1.434	0	%100
94	M82	Z	.828	.828	0	%100
95	M83	X	-1.434	-1.434	0	%100
96	M83	Z	.828	.828	0	%100
97	M84	X	-1.434	-1.434	0	%100
98	M84	Z	.828	.828	0	%100
99	EQUIP2A	X	-9.455	-9.455	0	%100
100	EQUIP2A	Z	5.459	5.459	0	%100
101	MP1C	X	-14.461	-14.461	0	%100
102	MP1C	Z	8.349	8.349	0	%100
103	MP3C	X	-11.962	-11.962	0	%100
104	MP3C	Z	6.906	6.906	0	%100
105	MP2C	X	-11.962	-11.962	0	%100
106	MP2C	Z	6.906	6.906	0	%100
107	MP4C	X	-11.962	-11.962	0	%100
108	MP4C	Z	6.906	6.906	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	0	0	0	%100
113	M107	X	0	0	0	%100
114	M107	Z	0	0	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	0	0	0	%100
117	EQUIP1C	X	-9.455	-9.455	0	%100
118	EQUIP1C	Z	5.459	5.459	0	%100
119	M119	X	0	0	0	%100
120	M119	Z	0	0	0	%100
121	M120	X	0	0	0	%100
122	M120	Z	0	0	0	%100
123	M121	X	0	0	0	%100
124	M121	Z	0	0	0	%100
125	M122	X	0	0	0	%100
126	M122	Z	0	0	0	%100
127	EQUIP2C	X	-9.455	-9.455	0	%100
128	EQUIP2C	Z	5.459	5.459	0	%100
129	MP1B	X	-14.461	-14.461	0	%100
130	MP1B	Z	8.349	8.349	0	%100
131	MP3B	X	-11.962	-11.962	0	%100
132	MP3B	Z	6.906	6.906	0	%100
133	MP2B	X	-11.962	-11.962	0	%100
134	MP2B	Z	6.906	6.906	0	%100
135	MP4B	X	-11.962	-11.962	0	%100
136	MP4B	Z	6.906	6.906	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
137	M143	X	-1.434	-1.434	0	%100
138	M143	Z	.828	.828	0	%100
139	M144	X	-1.434	-1.434	0	%100
140	M144	Z	.828	.828	0	%100
141	M145	X	-1.434	-1.434	0	%100
142	M145	Z	.828	.828	0	%100
143	M146	X	-1.434	-1.434	0	%100
144	M146	Z	.828	.828	0	%100
145	EQUIP1B	X	-9.455	-9.455	0	%100
146	EQUIP1B	Z	5.459	5.459	0	%100
147	M157	X	-1.434	-1.434	0	%100
148	M157	Z	.828	.828	0	%100
149	M158	X	-1.434	-1.434	0	%100
150	M158	Z	.828	.828	0	%100
151	M159	X	-1.434	-1.434	0	%100
152	M159	Z	.828	.828	0	%100
153	M160	X	-1.434	-1.434	0	%100
154	M160	Z	.828	.828	0	%100
155	EQUIP2B	X	-9.455	-9.455	0	%100
156	EQUIP2B	Z	5.459	5.459	0	%100
157	M156A	X	-12.592	-12.592	0	%100
158	M156A	Z	7.27	7.27	0	%100
159	M157A	X	-12.592	-12.592	0	%100
160	M157A	Z	7.27	7.27	0	%100
161	M158A	X	-12.592	-12.592	0	%100
162	M158A	Z	7.27	7.27	0	%100
163	M159A	X	-12.592	-12.592	0	%100
164	M159A	Z	7.27	7.27	0	%100
165	M160A	X	-12.592	-12.592	0	%100
166	M160A	Z	7.27	7.27	0	%100
167	M161	X	-12.592	-12.592	0	%100
168	M161	Z	7.27	7.27	0	%100
169	M186A	X	-19.848	-19.848	0	%100
170	M186A	Z	11.459	11.459	0	%100
171	M187	X	-4.962	-4.962	0	%100
172	M187	Z	2.865	2.865	0	%100
173	M188	X	-4.962	-4.962	0	%100
174	M188	Z	2.865	2.865	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M40	X	0	0	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	-2.181	-2.181	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	-2.181	-2.181	0	%100
6	M42	Z	0	0	0	%100
7	M44	X	-.545	-.545	0	%100
8	M44	Z	0	0	0	%100
9	M45	X	-.545	-.545	0	%100
10	M45	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M47	X	-.545	-.545	0	%100
12	M47	Z	0	0	0	%100
13	M48	X	-.545	-.545	0	%100
14	M48	Z	0	0	0	%100
15	M49	X	-13.601	-13.601	0	%100
16	M49	Z	0	0	0	%100
17	M50	X	-3.4	-3.4	0	%100
18	M50	Z	0	0	0	%100
19	M51	X	-3.4	-3.4	0	%100
20	M51	Z	0	0	0	%100
21	M52	X	0	0	0	%100
22	M52	Z	0	0	0	%100
23	M54	X	-2.181	-2.181	0	%100
24	M54	Z	0	0	0	%100
25	M57	X	-.545	-.545	0	%100
26	M57	Z	0	0	0	%100
27	M60	X	-.545	-.545	0	%100
28	M60	Z	0	0	0	%100
29	M61	X	-13.601	-13.601	0	%100
30	M61	Z	0	0	0	%100
31	M62	X	-3.4	-3.4	0	%100
32	M62	Z	0	0	0	%100
33	M63	X	-3.4	-3.4	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	-14.539	-14.539	0	%100
36	M64	Z	0	0	0	%100
37	M65	X	-14.539	-14.539	0	%100
38	M65	Z	0	0	0	%100
39	M66	X	-14.539	-14.539	0	%100
40	M66	Z	0	0	0	%100
41	M67	X	-5.12	-5.12	0	%100
42	M67	Z	0	0	0	%100
43	M68	X	-5.12	-5.12	0	%100
44	M68	Z	0	0	0	%100
45	M72	X	-14.002	-14.002	0	%100
46	M72	Z	0	0	0	%100
47	M73	X	-14.002	-14.002	0	%100
48	M73	Z	0	0	0	%100
49	M77	X	-14.002	-14.002	0	%100
50	M77	Z	0	0	0	%100
51	M78	X	-14.002	-14.002	0	%100
52	M78	Z	0	0	0	%100
53	M182	X	-1.454	-1.454	0	%100
54	M182	Z	0	0	0	%100
55	M185	X	-1.454	-1.454	0	%100
56	M185	Z	0	0	0	%100
57	M186	X	-.363	-.363	0	%100
58	M186	Z	0	0	0	%100
59	M189	X	-.363	-.363	0	%100
60	M189	Z	0	0	0	%100
61	M190	X	-.363	-.363	0	%100
62	M190	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	M193	X	-.363	-.363	0	%100
64	M193	Z	0	0	0	%100
65	M60B	X	-10.359	-10.359	0	%100
66	M60B	Z	0	0	0	%100
67	M61B	X	-10.359	-10.359	0	%100
68	M61B	Z	0	0	0	%100
69	M78A	X	-10.359	-10.359	0	%100
70	M78A	Z	0	0	0	%100
71	M79	X	-10.359	-10.359	0	%100
72	M79	Z	0	0	0	%100
73	MP1A	X	-16.698	-16.698	0	%100
74	MP1A	Z	0	0	0	%100
75	MP3A	X	-13.813	-13.813	0	%100
76	MP3A	Z	0	0	0	%100
77	MP2A	X	-13.813	-13.813	0	%100
78	MP2A	Z	0	0	0	%100
79	MP4A	X	-13.813	-13.813	0	%100
80	MP4A	Z	0	0	0	%100
81	M67A	X	-2.208	-2.208	0	%100
82	M67A	Z	0	0	0	%100
83	M68A	X	-2.208	-2.208	0	%100
84	M68A	Z	0	0	0	%100
85	M69A	X	-2.208	-2.208	0	%100
86	M69A	Z	0	0	0	%100
87	M70A	X	-2.208	-2.208	0	%100
88	M70A	Z	0	0	0	%100
89	EQUIP1A	X	-10.918	-10.918	0	%100
90	EQUIP1A	Z	0	0	0	%100
91	M81	X	-2.208	-2.208	0	%100
92	M81	Z	0	0	0	%100
93	M82	X	-2.208	-2.208	0	%100
94	M82	Z	0	0	0	%100
95	M83	X	-2.208	-2.208	0	%100
96	M83	Z	0	0	0	%100
97	M84	X	-2.208	-2.208	0	%100
98	M84	Z	0	0	0	%100
99	EQUIP2A	X	-10.918	-10.918	0	%100
100	EQUIP2A	Z	0	0	0	%100
101	MP1C	X	-16.698	-16.698	0	%100
102	MP1C	Z	0	0	0	%100
103	MP3C	X	-13.813	-13.813	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	-13.813	-13.813	0	%100
106	MP2C	Z	0	0	0	%100
107	MP4C	X	-13.813	-13.813	0	%100
108	MP4C	Z	0	0	0	%100
109	M105	X	-.552	-.552	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	-.552	-.552	0	%100
112	M106	Z	0	0	0	%100
113	M107	X	-.552	-.552	0	%100
114	M107	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M108	X	-.552	-.552	0	%100
116	M108	Z	0	0	0	%100
117	EQUIP1C	X	-10.918	-10.918	0	%100
118	EQUIP1C	Z	0	0	0	%100
119	M119	X	-.552	-.552	0	%100
120	M119	Z	0	0	0	%100
121	M120	X	-.552	-.552	0	%100
122	M120	Z	0	0	0	%100
123	M121	X	-.552	-.552	0	%100
124	M121	Z	0	0	0	%100
125	M122	X	-.552	-.552	0	%100
126	M122	Z	0	0	0	%100
127	EQUIP2C	X	-10.918	-10.918	0	%100
128	EQUIP2C	Z	0	0	0	%100
129	MP1B	X	-16.698	-16.698	0	%100
130	MP1B	Z	0	0	0	%100
131	MP3B	X	-13.813	-13.813	0	%100
132	MP3B	Z	0	0	0	%100
133	MP2B	X	-13.813	-13.813	0	%100
134	MP2B	Z	0	0	0	%100
135	MP4B	X	-13.813	-13.813	0	%100
136	MP4B	Z	0	0	0	%100
137	M143	X	-.552	-.552	0	%100
138	M143	Z	0	0	0	%100
139	M144	X	-.552	-.552	0	%100
140	M144	Z	0	0	0	%100
141	M145	X	-.552	-.552	0	%100
142	M145	Z	0	0	0	%100
143	M146	X	-.552	-.552	0	%100
144	M146	Z	0	0	0	%100
145	EQUIP1B	X	-10.918	-10.918	0	%100
146	EQUIP1B	Z	0	0	0	%100
147	M157	X	-.552	-.552	0	%100
148	M157	Z	0	0	0	%100
149	M158	X	-.552	-.552	0	%100
150	M158	Z	0	0	0	%100
151	M159	X	-.552	-.552	0	%100
152	M159	Z	0	0	0	%100
153	M160	X	-.552	-.552	0	%100
154	M160	Z	0	0	0	%100
155	EQUIP2B	X	-10.918	-10.918	0	%100
156	EQUIP2B	Z	0	0	0	%100
157	M156A	X	-14.539	-14.539	0	%100
158	M156A	Z	0	0	0	%100
159	M157A	X	-14.539	-14.539	0	%100
160	M157A	Z	0	0	0	%100
161	M158A	X	-14.539	-14.539	0	%100
162	M158A	Z	0	0	0	%100
163	M159A	X	-14.539	-14.539	0	%100
164	M159A	Z	0	0	0	%100
165	M160A	X	-14.539	-14.539	0	%100
166	M160A	Z	0	0	0	%100



Company : Maser Consulting
 Designer :
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Member Distributed Loads (BLC 50 : Structure Wo (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
167	M161	X	-14.539	-14.539	0	%100
168	M161	Z	0	0	0	%100
169	M186A	X	-17.189	-17.189	0	%100
170	M186A	Z	0	0	0	%100
171	M187	X	0	0	0	%100
172	M187	Z	0	0	0	%100
173	M188	X	-17.189	-17.189	0	%100
174	M188	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M40	X	-2.99	-2.99	0	%100
2	M40	Z	-1.727	-1.727	0	%100
3	M41	X	-1.417	-1.417	0	%100
4	M41	Z	-.818	-.818	0	%100
5	M42	X	-1.417	-1.417	0	%100
6	M42	Z	-.818	-.818	0	%100
7	M44	X	0	0	0	%100
8	M44	Z	0	0	0	%100
9	M45	X	0	0	0	%100
10	M45	Z	0	0	0	%100
11	M47	X	-1.417	-1.417	0	%100
12	M47	Z	-.818	-.818	0	%100
13	M48	X	-1.417	-1.417	0	%100
14	M48	Z	-.818	-.818	0	%100
15	M49	X	-8.834	-8.834	0	%100
16	M49	Z	-5.1	-5.1	0	%100
17	M50	X	-8.834	-8.834	0	%100
18	M50	Z	-5.1	-5.1	0	%100
19	M51	X	0	0	0	%100
20	M51	Z	0	0	0	%100
21	M52	X	-2.99	-2.99	0	%100
22	M52	Z	-1.727	-1.727	0	%100
23	M54	X	-1.417	-1.417	0	%100
24	M54	Z	-.818	-.818	0	%100
25	M57	X	0	0	0	%100
26	M57	Z	0	0	0	%100
27	M60	X	-1.417	-1.417	0	%100
28	M60	Z	-.818	-.818	0	%100
29	M61	X	-8.834	-8.834	0	%100
30	M61	Z	-5.1	-5.1	0	%100
31	M62	X	-8.834	-8.834	0	%100
32	M62	Z	-5.1	-5.1	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	-12.592	-12.592	0	%100
36	M64	Z	-7.27	-7.27	0	%100
37	M65	X	-12.592	-12.592	0	%100
38	M65	Z	-7.27	-7.27	0	%100
39	M66	X	-12.592	-12.592	0	%100
40	M66	Z	-7.27	-7.27	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
41	M67	X	-6.998	-6.998	0 %100
42	M67	Z	-4.04	-4.04	0 %100
43	M68	X	-6.998	-6.998	0 %100
44	M68	Z	-4.04	-4.04	0 %100
45	M72	X	-14.69	-14.69	0 %100
46	M72	Z	-8.481	-8.481	0 %100
47	M73	X	-14.69	-14.69	0 %100
48	M73	Z	-8.481	-8.481	0 %100
49	M77	X	-6.998	-6.998	0 %100
50	M77	Z	-4.04	-4.04	0 %100
51	M78	X	-6.998	-6.998	0 %100
52	M78	Z	-4.04	-4.04	0 %100
53	M182	X	-.944	-.944	0 %100
54	M182	Z	-.545	-.545	0 %100
55	M185	X	-.944	-.944	0 %100
56	M185	Z	-.545	-.545	0 %100
57	M186	X	-.944	-.944	0 %100
58	M186	Z	-.545	-.545	0 %100
59	M189	X	-.944	-.944	0 %100
60	M189	Z	-.545	-.545	0 %100
61	M190	X	0	0	0 %100
62	M190	Z	0	0	0 %100
63	M193	X	0	0	0 %100
64	M193	Z	0	0	0 %100
65	M60B	X	-2.99	-2.99	0 %100
66	M60B	Z	-1.727	-1.727	0 %100
67	M61B	X	-2.99	-2.99	0 %100
68	M61B	Z	-1.727	-1.727	0 %100
69	M78A	X	-11.962	-11.962	0 %100
70	M78A	Z	-6.906	-6.906	0 %100
71	M79	X	-11.962	-11.962	0 %100
72	M79	Z	-6.906	-6.906	0 %100
73	MP1A	X	-14.461	-14.461	0 %100
74	MP1A	Z	-8.349	-8.349	0 %100
75	MP3A	X	-11.962	-11.962	0 %100
76	MP3A	Z	-6.906	-6.906	0 %100
77	MP2A	X	-11.962	-11.962	0 %100
78	MP2A	Z	-6.906	-6.906	0 %100
79	MP4A	X	-11.962	-11.962	0 %100
80	MP4A	Z	-6.906	-6.906	0 %100
81	M67A	X	-1.434	-1.434	0 %100
82	M67A	Z	-.828	-.828	0 %100
83	M68A	X	-1.434	-1.434	0 %100
84	M68A	Z	-.828	-.828	0 %100
85	M69A	X	-1.434	-1.434	0 %100
86	M69A	Z	-.828	-.828	0 %100
87	M70A	X	-1.434	-1.434	0 %100
88	M70A	Z	-.828	-.828	0 %100
89	EQUIP1A	X	-9.455	-9.455	0 %100
90	EQUIP1A	Z	-5.459	-5.459	0 %100
91	M81	X	-1.434	-1.434	0 %100
92	M81	Z	-.828	-.828	0 %100



Company : Maser Consulting
 Designer :
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Member Distributed Loads (BLC 51 : Structure Wo (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
93	M82	X	-1.434	-1.434	0	%100
94	M82	Z	-.828	-.828	0	%100
95	M83	X	-1.434	-1.434	0	%100
96	M83	Z	-.828	-.828	0	%100
97	M84	X	-1.434	-1.434	0	%100
98	M84	Z	-.828	-.828	0	%100
99	EQUIP2A	X	-9.455	-9.455	0	%100
100	EQUIP2A	Z	-5.459	-5.459	0	%100
101	MP1C	X	-14.461	-14.461	0	%100
102	MP1C	Z	-8.349	-8.349	0	%100
103	MP3C	X	-11.962	-11.962	0	%100
104	MP3C	Z	-6.906	-6.906	0	%100
105	MP2C	X	-11.962	-11.962	0	%100
106	MP2C	Z	-6.906	-6.906	0	%100
107	MP4C	X	-11.962	-11.962	0	%100
108	MP4C	Z	-6.906	-6.906	0	%100
109	M105	X	-1.434	-1.434	0	%100
110	M105	Z	-.828	-.828	0	%100
111	M106	X	-1.434	-1.434	0	%100
112	M106	Z	-.828	-.828	0	%100
113	M107	X	-1.434	-1.434	0	%100
114	M107	Z	-.828	-.828	0	%100
115	M108	X	-1.434	-1.434	0	%100
116	M108	Z	-.828	-.828	0	%100
117	EQUIP1C	X	-9.455	-9.455	0	%100
118	EQUIP1C	Z	-5.459	-5.459	0	%100
119	M119	X	-1.434	-1.434	0	%100
120	M119	Z	-.828	-.828	0	%100
121	M120	X	-1.434	-1.434	0	%100
122	M120	Z	-.828	-.828	0	%100
123	M121	X	-1.434	-1.434	0	%100
124	M121	Z	-.828	-.828	0	%100
125	M122	X	-1.434	-1.434	0	%100
126	M122	Z	-.828	-.828	0	%100
127	EQUIP2C	X	-9.455	-9.455	0	%100
128	EQUIP2C	Z	-5.459	-5.459	0	%100
129	MP1B	X	-14.461	-14.461	0	%100
130	MP1B	Z	-8.349	-8.349	0	%100
131	MP3B	X	-11.962	-11.962	0	%100
132	MP3B	Z	-6.906	-6.906	0	%100
133	MP2B	X	-11.962	-11.962	0	%100
134	MP2B	Z	-6.906	-6.906	0	%100
135	MP4B	X	-11.962	-11.962	0	%100
136	MP4B	Z	-6.906	-6.906	0	%100
137	M143	X	0	0	0	%100
138	M143	Z	0	0	0	%100
139	M144	X	0	0	0	%100
140	M144	Z	0	0	0	%100
141	M145	X	0	0	0	%100
142	M145	Z	0	0	0	%100
143	M146	X	0	0	0	%100
144	M146	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
145	EQUIP1B	X	-9.455	-9.455	0	%100
146	EQUIP1B	Z	-5.459	-5.459	0	%100
147	M157	X	0	0	0	%100
148	M157	Z	0	0	0	%100
149	M158	X	0	0	0	%100
150	M158	Z	0	0	0	%100
151	M159	X	0	0	0	%100
152	M159	Z	0	0	0	%100
153	M160	X	0	0	0	%100
154	M160	Z	0	0	0	%100
155	EQUIP2B	X	-9.455	-9.455	0	%100
156	EQUIP2B	Z	-5.459	-5.459	0	%100
157	M156A	X	-12.592	-12.592	0	%100
158	M156A	Z	-7.27	-7.27	0	%100
159	M157A	X	-12.592	-12.592	0	%100
160	M157A	Z	-7.27	-7.27	0	%100
161	M158A	X	-12.592	-12.592	0	%100
162	M158A	Z	-7.27	-7.27	0	%100
163	M159A	X	-12.592	-12.592	0	%100
164	M159A	Z	-7.27	-7.27	0	%100
165	M160A	X	-12.592	-12.592	0	%100
166	M160A	Z	-7.27	-7.27	0	%100
167	M161	X	-12.592	-12.592	0	%100
168	M161	Z	-7.27	-7.27	0	%100
169	M186A	X	-4.962	-4.962	0	%100
170	M186A	Z	-2.865	-2.865	0	%100
171	M187	X	-4.962	-4.962	0	%100
172	M187	Z	-2.865	-2.865	0	%100
173	M188	X	-19.848	-19.848	0	%100
174	M188	Z	-11.459	-11.459	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M40	X	-5.18	-5.18	0	%100
2	M40	Z	-8.971	-8.971	0	%100
3	M41	X	-.273	-.273	0	%100
4	M41	Z	-.472	-.472	0	%100
5	M42	X	-.273	-.273	0	%100
6	M42	Z	-.472	-.472	0	%100
7	M44	X	-.273	-.273	0	%100
8	M44	Z	-.472	-.472	0	%100
9	M45	X	-.273	-.273	0	%100
10	M45	Z	-.472	-.472	0	%100
11	M47	X	-1.09	-1.09	0	%100
12	M47	Z	-1.889	-1.889	0	%100
13	M48	X	-1.09	-1.09	0	%100
14	M48	Z	-1.889	-1.889	0	%100
15	M49	X	-1.7	-1.7	0	%100
16	M49	Z	-2.945	-2.945	0	%100
17	M50	X	-6.8	-6.8	0	%100
18	M50	Z	-11.779	-11.779	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M51	X	-1.7	-1.7	0	%100
20	M51	Z	-2.945	-2.945	0	%100
21	M52	X	-5.18	-5.18	0	%100
22	M52	Z	-8.971	-8.971	0	%100
23	M54	X	-.273	-.273	0	%100
24	M54	Z	-.472	-.472	0	%100
25	M57	X	-.273	-.273	0	%100
26	M57	Z	-.472	-.472	0	%100
27	M60	X	-1.09	-1.09	0	%100
28	M60	Z	-1.889	-1.889	0	%100
29	M61	X	-1.7	-1.7	0	%100
30	M61	Z	-2.945	-2.945	0	%100
31	M62	X	-6.8	-6.8	0	%100
32	M62	Z	-11.779	-11.779	0	%100
33	M63	X	-1.7	-1.7	0	%100
34	M63	Z	-2.945	-2.945	0	%100
35	M64	X	-7.27	-7.27	0	%100
36	M64	Z	-12.592	-12.592	0	%100
37	M65	X	-7.27	-7.27	0	%100
38	M65	Z	-12.592	-12.592	0	%100
39	M66	X	-7.27	-7.27	0	%100
40	M66	Z	-12.592	-12.592	0	%100
41	M67	X	-7.001	-7.001	0	%100
42	M67	Z	-12.126	-12.126	0	%100
43	M68	X	-7.001	-7.001	0	%100
44	M68	Z	-12.126	-12.126	0	%100
45	M72	X	-7.001	-7.001	0	%100
46	M72	Z	-12.126	-12.126	0	%100
47	M73	X	-7.001	-7.001	0	%100
48	M73	Z	-12.126	-12.126	0	%100
49	M77	X	-2.56	-2.56	0	%100
50	M77	Z	-4.434	-4.434	0	%100
51	M78	X	-2.56	-2.56	0	%100
52	M78	Z	-4.434	-4.434	0	%100
53	M182	X	-.182	-.182	0	%100
54	M182	Z	-.315	-.315	0	%100
55	M185	X	-.182	-.182	0	%100
56	M185	Z	-.315	-.315	0	%100
57	M186	X	-.727	-.727	0	%100
58	M186	Z	-1.259	-1.259	0	%100
59	M189	X	-.727	-.727	0	%100
60	M189	Z	-1.259	-1.259	0	%100
61	M190	X	-.182	-.182	0	%100
62	M190	Z	-.315	-.315	0	%100
63	M193	X	-.182	-.182	0	%100
64	M193	Z	-.315	-.315	0	%100
65	M60B	X	0	0	0	%100
66	M60B	Z	0	0	0	%100
67	M61B	X	0	0	0	%100
68	M61B	Z	0	0	0	%100
69	M78A	X	-5.18	-5.18	0	%100
70	M78A	Z	-8.971	-8.971	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
71	M79	X	-5.18	-5.18	0	%100
72	M79	Z	-8.971	-8.971	0	%100
73	MP1A	X	-8.349	-8.349	0	%100
74	MP1A	Z	-14.461	-14.461	0	%100
75	MP3A	X	-6.906	-6.906	0	%100
76	MP3A	Z	-11.962	-11.962	0	%100
77	MP2A	X	-6.906	-6.906	0	%100
78	MP2A	Z	-11.962	-11.962	0	%100
79	MP4A	X	-6.906	-6.906	0	%100
80	MP4A	Z	-11.962	-11.962	0	%100
81	M67A	X	-.276	-.276	0	%100
82	M67A	Z	-.478	-.478	0	%100
83	M68A	X	-.276	-.276	0	%100
84	M68A	Z	-.478	-.478	0	%100
85	M69A	X	-.276	-.276	0	%100
86	M69A	Z	-.478	-.478	0	%100
87	M70A	X	-.276	-.276	0	%100
88	M70A	Z	-.478	-.478	0	%100
89	EQUIP1A	X	-5.459	-5.459	0	%100
90	EQUIP1A	Z	-9.455	-9.455	0	%100
91	M81	X	-.276	-.276	0	%100
92	M81	Z	-.478	-.478	0	%100
93	M82	X	-.276	-.276	0	%100
94	M82	Z	-.478	-.478	0	%100
95	M83	X	-.276	-.276	0	%100
96	M83	Z	-.478	-.478	0	%100
97	M84	X	-.276	-.276	0	%100
98	M84	Z	-.478	-.478	0	%100
99	EQUIP2A	X	-5.459	-5.459	0	%100
100	EQUIP2A	Z	-9.455	-9.455	0	%100
101	MP1C	X	-8.349	-8.349	0	%100
102	MP1C	Z	-14.461	-14.461	0	%100
103	MP3C	X	-6.906	-6.906	0	%100
104	MP3C	Z	-11.962	-11.962	0	%100
105	MP2C	X	-6.906	-6.906	0	%100
106	MP2C	Z	-11.962	-11.962	0	%100
107	MP4C	X	-6.906	-6.906	0	%100
108	MP4C	Z	-11.962	-11.962	0	%100
109	M105	X	-1.104	-1.104	0	%100
110	M105	Z	-1.912	-1.912	0	%100
111	M106	X	-1.104	-1.104	0	%100
112	M106	Z	-1.912	-1.912	0	%100
113	M107	X	-1.104	-1.104	0	%100
114	M107	Z	-1.912	-1.912	0	%100
115	M108	X	-1.104	-1.104	0	%100
116	M108	Z	-1.912	-1.912	0	%100
117	EQUIP1C	X	-5.459	-5.459	0	%100
118	EQUIP1C	Z	-9.455	-9.455	0	%100
119	M119	X	-1.104	-1.104	0	%100
120	M119	Z	-1.912	-1.912	0	%100
121	M120	X	-1.104	-1.104	0	%100
122	M120	Z	-1.912	-1.912	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
123	M121	X	-1.104	-1.104	0	%100
124	M121	Z	-1.912	-1.912	0	%100
125	M122	X	-1.104	-1.104	0	%100
126	M122	Z	-1.912	-1.912	0	%100
127	EQUIP2C	X	-5.459	-5.459	0	%100
128	EQUIP2C	Z	-9.455	-9.455	0	%100
129	MP1B	X	-8.349	-8.349	0	%100
130	MP1B	Z	-14.461	-14.461	0	%100
131	MP3B	X	-6.906	-6.906	0	%100
132	MP3B	Z	-11.962	-11.962	0	%100
133	MP2B	X	-6.906	-6.906	0	%100
134	MP2B	Z	-11.962	-11.962	0	%100
135	MP4B	X	-6.906	-6.906	0	%100
136	MP4B	Z	-11.962	-11.962	0	%100
137	M143	X	-.276	-.276	0	%100
138	M143	Z	-.478	-.478	0	%100
139	M144	X	-.276	-.276	0	%100
140	M144	Z	-.478	-.478	0	%100
141	M145	X	-.276	-.276	0	%100
142	M145	Z	-.478	-.478	0	%100
143	M146	X	-.276	-.276	0	%100
144	M146	Z	-.478	-.478	0	%100
145	EQUIP1B	X	-5.459	-5.459	0	%100
146	EQUIP1B	Z	-9.455	-9.455	0	%100
147	M157	X	-.276	-.276	0	%100
148	M157	Z	-.478	-.478	0	%100
149	M158	X	-.276	-.276	0	%100
150	M158	Z	-.478	-.478	0	%100
151	M159	X	-.276	-.276	0	%100
152	M159	Z	-.478	-.478	0	%100
153	M160	X	-.276	-.276	0	%100
154	M160	Z	-.478	-.478	0	%100
155	EQUIP2B	X	-5.459	-5.459	0	%100
156	EQUIP2B	Z	-9.455	-9.455	0	%100
157	M156A	X	-7.27	-7.27	0	%100
158	M156A	Z	-12.592	-12.592	0	%100
159	M157A	X	-7.27	-7.27	0	%100
160	M157A	Z	-12.592	-12.592	0	%100
161	M158A	X	-7.27	-7.27	0	%100
162	M158A	Z	-12.592	-12.592	0	%100
163	M159A	X	-7.27	-7.27	0	%100
164	M159A	Z	-12.592	-12.592	0	%100
165	M160A	X	-7.27	-7.27	0	%100
166	M160A	Z	-12.592	-12.592	0	%100
167	M161	X	-7.27	-7.27	0	%100
168	M161	Z	-12.592	-12.592	0	%100
169	M186A	X	0	0	0	%100
170	M186A	Z	0	0	0	%100
171	M187	X	-8.594	-8.594	0	%100
172	M187	Z	-14.886	-14.886	0	%100
173	M188	X	-8.594	-8.594	0	%100
174	M188	Z	-14.886	-14.886	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M40	X	0	0	0	%100
2	M40	Z	-3.908	-3.908	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	0	0	0	%100
7	M44	X	0	0	0	%100
8	M44	Z	-1.148	-1.148	0	%100
9	M45	X	0	0	0	%100
10	M45	Z	-1.148	-1.148	0	%100
11	M47	X	0	0	0	%100
12	M47	Z	-1.148	-1.148	0	%100
13	M48	X	0	0	0	%100
14	M48	Z	-1.148	-1.148	0	%100
15	M49	X	0	0	0	%100
16	M49	Z	0	0	0	%100
17	M50	X	0	0	0	%100
18	M50	Z	-2.755	-2.755	0	%100
19	M51	X	0	0	0	%100
20	M51	Z	-2.755	-2.755	0	%100
21	M52	X	0	0	0	%100
22	M52	Z	-3.908	-3.908	0	%100
23	M54	X	0	0	0	%100
24	M54	Z	0	0	0	%100
25	M57	X	0	0	0	%100
26	M57	Z	-1.148	-1.148	0	%100
27	M60	X	0	0	0	%100
28	M60	Z	-1.148	-1.148	0	%100
29	M61	X	0	0	0	%100
30	M61	Z	0	0	0	%100
31	M62	X	0	0	0	%100
32	M62	Z	-2.755	-2.755	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	-2.755	-2.755	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	-3.667	-3.667	0	%100
37	M65	X	0	0	0	%100
38	M65	Z	-3.667	-3.667	0	%100
39	M66	X	0	0	0	%100
40	M66	Z	-3.667	-3.667	0	%100
41	M67	X	0	0	0	%100
42	M67	Z	-4.31	-4.31	0	%100
43	M68	X	0	0	0	%100
44	M68	Z	-4.31	-4.31	0	%100
45	M72	X	0	0	0	%100
46	M72	Z	-2.053	-2.053	0	%100
47	M73	X	0	0	0	%100
48	M73	Z	-2.053	-2.053	0	%100
49	M77	X	0	0	0	%100
50	M77	Z	-2.053	-2.053	0	%100
51	M78	X	0	0	0	%100
52	M78	Z	-2.053	-2.053	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M182	X	0	0	0	%100
54	M182	Z	0	0	0	%100
55	M185	X	0	0	0	%100
56	M185	Z	0	0	0	%100
57	M186	X	0	0	0	%100
58	M186	Z	-1.078	-1.078	0	%100
59	M189	X	0	0	0	%100
60	M189	Z	-1.078	-1.078	0	%100
61	M190	X	0	0	0	%100
62	M190	Z	-1.078	-1.078	0	%100
63	M193	X	0	0	0	%100
64	M193	Z	-1.078	-1.078	0	%100
65	M60B	X	0	0	0	%100
66	M60B	Z	-.977	-.977	0	%100
67	M61B	X	0	0	0	%100
68	M61B	Z	-.977	-.977	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	-.977	-.977	0	%100
71	M79	X	0	0	0	%100
72	M79	Z	-.977	-.977	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	-4.278	-4.278	0	%100
75	MP3A	X	0	0	0	%100
76	MP3A	Z	-3.907	-3.907	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-3.907	-3.907	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-3.907	-3.907	0	%100
81	M67A	X	0	0	0	%100
82	M67A	Z	0	0	0	%100
83	M68A	X	0	0	0	%100
84	M68A	Z	0	0	0	%100
85	M69A	X	0	0	0	%100
86	M69A	Z	0	0	0	%100
87	M70A	X	0	0	0	%100
88	M70A	Z	0	0	0	%100
89	EQUIP1A	X	0	0	0	%100
90	EQUIP1A	Z	-2.992	-2.992	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	0	0	0	%100
93	M82	X	0	0	0	%100
94	M82	Z	0	0	0	%100
95	M83	X	0	0	0	%100
96	M83	Z	0	0	0	%100
97	M84	X	0	0	0	%100
98	M84	Z	0	0	0	%100
99	EQUIP2A	X	0	0	0	%100
100	EQUIP2A	Z	-2.992	-2.992	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	-4.278	-4.278	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-3.907	-3.907	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M62	X	.459	.459	0	%100
32	M62	Z	-.795	-.795	0	%100
33	M63	X	1.837	1.837	0	%100
34	M63	Z	-3.181	-3.181	0	%100
35	M64	X	1.833	1.833	0	%100
36	M64	Z	-3.175	-3.175	0	%100
37	M65	X	1.833	1.833	0	%100
38	M65	Z	-3.175	-3.175	0	%100
39	M66	X	1.833	1.833	0	%100
40	M66	Z	-3.175	-3.175	0	%100
41	M67	X	1.779	1.779	0	%100
42	M67	Z	-3.081	-3.081	0	%100
43	M68	X	1.779	1.779	0	%100
44	M68	Z	-3.081	-3.081	0	%100
45	M72	X	.651	.651	0	%100
46	M72	Z	-1.127	-1.127	0	%100
47	M73	X	.651	.651	0	%100
48	M73	Z	-1.127	-1.127	0	%100
49	M77	X	1.779	1.779	0	%100
50	M77	Z	-3.081	-3.081	0	%100
51	M78	X	1.779	1.779	0	%100
52	M78	Z	-3.081	-3.081	0	%100
53	M182	X	.18	.18	0	%100
54	M182	Z	-.311	-.311	0	%100
55	M185	X	.18	.18	0	%100
56	M185	Z	-.311	-.311	0	%100
57	M186	X	.18	.18	0	%100
58	M186	Z	-.311	-.311	0	%100
59	M189	X	.18	.18	0	%100
60	M189	Z	-.311	-.311	0	%100
61	M190	X	.719	.719	0	%100
62	M190	Z	-1.245	-1.245	0	%100
63	M193	X	.719	.719	0	%100
64	M193	Z	-1.245	-1.245	0	%100
65	M60B	X	1.466	1.466	0	%100
66	M60B	Z	-2.539	-2.539	0	%100
67	M61B	X	1.466	1.466	0	%100
68	M61B	Z	-2.539	-2.539	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79	X	0	0	0	%100
72	M79	Z	0	0	0	%100
73	MP1A	X	2.139	2.139	0	%100
74	MP1A	Z	-3.705	-3.705	0	%100
75	MP3A	X	1.954	1.954	0	%100
76	MP3A	Z	-3.384	-3.384	0	%100
77	MP2A	X	1.954	1.954	0	%100
78	MP2A	Z	-3.384	-3.384	0	%100
79	MP4A	X	1.954	1.954	0	%100
80	MP4A	Z	-3.384	-3.384	0	%100
81	M67A	X	.192	.192	0	%100
82	M67A	Z	-.332	-.332	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
83	M68A	X	.192	.192	0	%100
84	M68A	Z	-.332	-.332	0	%100
85	M69A	X	.192	.192	0	%100
86	M69A	Z	-.332	-.332	0	%100
87	M70A	X	.192	.192	0	%100
88	M70A	Z	-.332	-.332	0	%100
89	EQUIP1A	X	1.496	1.496	0	%100
90	EQUIP1A	Z	-2.591	-2.591	0	%100
91	M81	X	.192	.192	0	%100
92	M81	Z	-.332	-.332	0	%100
93	M82	X	.192	.192	0	%100
94	M82	Z	-.332	-.332	0	%100
95	M83	X	.192	.192	0	%100
96	M83	Z	-.332	-.332	0	%100
97	M84	X	.192	.192	0	%100
98	M84	Z	-.332	-.332	0	%100
99	EQUIP2A	X	1.496	1.496	0	%100
100	EQUIP2A	Z	-2.591	-2.591	0	%100
101	MP1C	X	2.139	2.139	0	%100
102	MP1C	Z	-3.705	-3.705	0	%100
103	MP3C	X	1.954	1.954	0	%100
104	MP3C	Z	-3.384	-3.384	0	%100
105	MP2C	X	1.954	1.954	0	%100
106	MP2C	Z	-3.384	-3.384	0	%100
107	MP4C	X	1.954	1.954	0	%100
108	MP4C	Z	-3.384	-3.384	0	%100
109	M105	X	.192	.192	0	%100
110	M105	Z	-.332	-.332	0	%100
111	M106	X	.192	.192	0	%100
112	M106	Z	-.332	-.332	0	%100
113	M107	X	.192	.192	0	%100
114	M107	Z	-.332	-.332	0	%100
115	M108	X	.192	.192	0	%100
116	M108	Z	-.332	-.332	0	%100
117	EQUIP1C	X	1.496	1.496	0	%100
118	EQUIP1C	Z	-2.591	-2.591	0	%100
119	M119	X	.192	.192	0	%100
120	M119	Z	-.332	-.332	0	%100
121	M120	X	.192	.192	0	%100
122	M120	Z	-.332	-.332	0	%100
123	M121	X	.192	.192	0	%100
124	M121	Z	-.332	-.332	0	%100
125	M122	X	.192	.192	0	%100
126	M122	Z	-.332	-.332	0	%100
127	EQUIP2C	X	1.496	1.496	0	%100
128	EQUIP2C	Z	-2.591	-2.591	0	%100
129	MP1B	X	2.139	2.139	0	%100
130	MP1B	Z	-3.705	-3.705	0	%100
131	MP3B	X	1.954	1.954	0	%100
132	MP3B	Z	-3.384	-3.384	0	%100
133	MP2B	X	1.954	1.954	0	%100
134	MP2B	Z	-3.384	-3.384	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M190	X	.934	.934	0	%100
62	M190	Z	-.539	-.539	0	%100
63	M193	X	.934	.934	0	%100
64	M193	Z	-.539	-.539	0	%100
65	M60B	X	3.385	3.385	0	%100
66	M60B	Z	-1.954	-1.954	0	%100
67	M61B	X	3.385	3.385	0	%100
68	M61B	Z	-1.954	-1.954	0	%100
69	M78A	X	.846	.846	0	%100
70	M78A	Z	-.489	-.489	0	%100
71	M79	X	.846	.846	0	%100
72	M79	Z	-.489	-.489	0	%100
73	MP1A	X	3.705	3.705	0	%100
74	MP1A	Z	-2.139	-2.139	0	%100
75	MP3A	X	3.384	3.384	0	%100
76	MP3A	Z	-1.954	-1.954	0	%100
77	MP2A	X	3.384	3.384	0	%100
78	MP2A	Z	-1.954	-1.954	0	%100
79	MP4A	X	3.384	3.384	0	%100
80	MP4A	Z	-1.954	-1.954	0	%100
81	M67A	X	.996	.996	0	%100
82	M67A	Z	-.575	-.575	0	%100
83	M68A	X	.996	.996	0	%100
84	M68A	Z	-.575	-.575	0	%100
85	M69A	X	.996	.996	0	%100
86	M69A	Z	-.575	-.575	0	%100
87	M70A	X	.996	.996	0	%100
88	M70A	Z	-.575	-.575	0	%100
89	EQUIP1A	X	2.591	2.591	0	%100
90	EQUIP1A	Z	-1.496	-1.496	0	%100
91	M81	X	.996	.996	0	%100
92	M81	Z	-.575	-.575	0	%100
93	M82	X	.996	.996	0	%100
94	M82	Z	-.575	-.575	0	%100
95	M83	X	.996	.996	0	%100
96	M83	Z	-.575	-.575	0	%100
97	M84	X	.996	.996	0	%100
98	M84	Z	-.575	-.575	0	%100
99	EQUIP2A	X	2.591	2.591	0	%100
100	EQUIP2A	Z	-1.496	-1.496	0	%100
101	MP1C	X	3.705	3.705	0	%100
102	MP1C	Z	-2.139	-2.139	0	%100
103	MP3C	X	3.384	3.384	0	%100
104	MP3C	Z	-1.954	-1.954	0	%100
105	MP2C	X	3.384	3.384	0	%100
106	MP2C	Z	-1.954	-1.954	0	%100
107	MP4C	X	3.384	3.384	0	%100
108	MP4C	Z	-1.954	-1.954	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
113	M107	X	0	0	0	%100
114	M107	Z	0	0	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	0	0	0	%100
117	EQUIP1C	X	2.591	2.591	0	%100
118	EQUIP1C	Z	-1.496	-1.496	0	%100
119	M119	X	0	0	0	%100
120	M119	Z	0	0	0	%100
121	M120	X	0	0	0	%100
122	M120	Z	0	0	0	%100
123	M121	X	0	0	0	%100
124	M121	Z	0	0	0	%100
125	M122	X	0	0	0	%100
126	M122	Z	0	0	0	%100
127	EQUIP2C	X	2.591	2.591	0	%100
128	EQUIP2C	Z	-1.496	-1.496	0	%100
129	MP1B	X	3.705	3.705	0	%100
130	MP1B	Z	-2.139	-2.139	0	%100
131	MP3B	X	3.384	3.384	0	%100
132	MP3B	Z	-1.954	-1.954	0	%100
133	MP2B	X	3.384	3.384	0	%100
134	MP2B	Z	-1.954	-1.954	0	%100
135	MP4B	X	3.384	3.384	0	%100
136	MP4B	Z	-1.954	-1.954	0	%100
137	M143	X	.996	.996	0	%100
138	M143	Z	-.575	-.575	0	%100
139	M144	X	.996	.996	0	%100
140	M144	Z	-.575	-.575	0	%100
141	M145	X	.996	.996	0	%100
142	M145	Z	-.575	-.575	0	%100
143	M146	X	.996	.996	0	%100
144	M146	Z	-.575	-.575	0	%100
145	EQUIP1B	X	2.591	2.591	0	%100
146	EQUIP1B	Z	-1.496	-1.496	0	%100
147	M157	X	.996	.996	0	%100
148	M157	Z	-.575	-.575	0	%100
149	M158	X	.996	.996	0	%100
150	M158	Z	-.575	-.575	0	%100
151	M159	X	.996	.996	0	%100
152	M159	Z	-.575	-.575	0	%100
153	M160	X	.996	.996	0	%100
154	M160	Z	-.575	-.575	0	%100
155	EQUIP2B	X	2.591	2.591	0	%100
156	EQUIP2B	Z	-1.496	-1.496	0	%100
157	M156A	X	3.175	3.175	0	%100
158	M156A	Z	-1.833	-1.833	0	%100
159	M157A	X	3.175	3.175	0	%100
160	M157A	Z	-1.833	-1.833	0	%100
161	M158A	X	3.175	3.175	0	%100
162	M158A	Z	-1.833	-1.833	0	%100
163	M159A	X	3.175	3.175	0	%100
164	M159A	Z	-1.833	-1.833	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
39	M66	X	3.667	3.667	0	%100
40	M66	Z	0	0	0	%100
41	M67	X	1.301	1.301	0	%100
42	M67	Z	0	0	0	%100
43	M68	X	1.301	1.301	0	%100
44	M68	Z	0	0	0	%100
45	M72	X	3.558	3.558	0	%100
46	M72	Z	0	0	0	%100
47	M73	X	3.558	3.558	0	%100
48	M73	Z	0	0	0	%100
49	M77	X	3.558	3.558	0	%100
50	M77	Z	0	0	0	%100
51	M78	X	3.558	3.558	0	%100
52	M78	Z	0	0	0	%100
53	M182	X	1.438	1.438	0	%100
54	M182	Z	0	0	0	%100
55	M185	X	1.438	1.438	0	%100
56	M185	Z	0	0	0	%100
57	M186	X	.359	.359	0	%100
58	M186	Z	0	0	0	%100
59	M189	X	.359	.359	0	%100
60	M189	Z	0	0	0	%100
61	M190	X	.359	.359	0	%100
62	M190	Z	0	0	0	%100
63	M193	X	.359	.359	0	%100
64	M193	Z	0	0	0	%100
65	M60B	X	2.931	2.931	0	%100
66	M60B	Z	0	0	0	%100
67	M61B	X	2.931	2.931	0	%100
68	M61B	Z	0	0	0	%100
69	M78A	X	2.931	2.931	0	%100
70	M78A	Z	0	0	0	%100
71	M79	X	2.931	2.931	0	%100
72	M79	Z	0	0	0	%100
73	MP1A	X	4.278	4.278	0	%100
74	MP1A	Z	0	0	0	%100
75	MP3A	X	3.907	3.907	0	%100
76	MP3A	Z	0	0	0	%100
77	MP2A	X	3.907	3.907	0	%100
78	MP2A	Z	0	0	0	%100
79	MP4A	X	3.907	3.907	0	%100
80	MP4A	Z	0	0	0	%100
81	M67A	X	1.534	1.534	0	%100
82	M67A	Z	0	0	0	%100
83	M68A	X	1.534	1.534	0	%100
84	M68A	Z	0	0	0	%100
85	M69A	X	1.534	1.534	0	%100
86	M69A	Z	0	0	0	%100
87	M70A	X	1.534	1.534	0	%100
88	M70A	Z	0	0	0	%100
89	EQUIP1A	X	2.992	2.992	0	%100
90	EQUIP1A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	M81	X	1.534	1.534	0	%100
92	M81	Z	0	0	0	%100
93	M82	X	1.534	1.534	0	%100
94	M82	Z	0	0	0	%100
95	M83	X	1.534	1.534	0	%100
96	M83	Z	0	0	0	%100
97	M84	X	1.534	1.534	0	%100
98	M84	Z	0	0	0	%100
99	EQUIP2A	X	2.992	2.992	0	%100
100	EQUIP2A	Z	0	0	0	%100
101	MP1C	X	4.278	4.278	0	%100
102	MP1C	Z	0	0	0	%100
103	MP3C	X	3.907	3.907	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	3.907	3.907	0	%100
106	MP2C	Z	0	0	0	%100
107	MP4C	X	3.907	3.907	0	%100
108	MP4C	Z	0	0	0	%100
109	M105	X	.383	.383	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	.383	.383	0	%100
112	M106	Z	0	0	0	%100
113	M107	X	.383	.383	0	%100
114	M107	Z	0	0	0	%100
115	M108	X	.383	.383	0	%100
116	M108	Z	0	0	0	%100
117	EQUIP1C	X	2.992	2.992	0	%100
118	EQUIP1C	Z	0	0	0	%100
119	M119	X	.383	.383	0	%100
120	M119	Z	0	0	0	%100
121	M120	X	.383	.383	0	%100
122	M120	Z	0	0	0	%100
123	M121	X	.383	.383	0	%100
124	M121	Z	0	0	0	%100
125	M122	X	.383	.383	0	%100
126	M122	Z	0	0	0	%100
127	EQUIP2C	X	2.992	2.992	0	%100
128	EQUIP2C	Z	0	0	0	%100
129	MP1B	X	4.278	4.278	0	%100
130	MP1B	Z	0	0	0	%100
131	MP3B	X	3.907	3.907	0	%100
132	MP3B	Z	0	0	0	%100
133	MP2B	X	3.907	3.907	0	%100
134	MP2B	Z	0	0	0	%100
135	MP4B	X	3.907	3.907	0	%100
136	MP4B	Z	0	0	0	%100
137	M143	X	.383	.383	0	%100
138	M143	Z	0	0	0	%100
139	M144	X	.383	.383	0	%100
140	M144	Z	0	0	0	%100
141	M145	X	.383	.383	0	%100
142	M145	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
143	M146	X	.383	.383	0	%100
144	M146	Z	0	0	0	%100
145	EQUIP1B	X	2.992	2.992	0	%100
146	EQUIP1B	Z	0	0	0	%100
147	M157	X	.383	.383	0	%100
148	M157	Z	0	0	0	%100
149	M158	X	.383	.383	0	%100
150	M158	Z	0	0	0	%100
151	M159	X	.383	.383	0	%100
152	M159	Z	0	0	0	%100
153	M160	X	.383	.383	0	%100
154	M160	Z	0	0	0	%100
155	EQUIP2B	X	2.992	2.992	0	%100
156	EQUIP2B	Z	0	0	0	%100
157	M156A	X	3.667	3.667	0	%100
158	M156A	Z	0	0	0	%100
159	M157A	X	3.667	3.667	0	%100
160	M157A	Z	0	0	0	%100
161	M158A	X	3.667	3.667	0	%100
162	M158A	Z	0	0	0	%100
163	M159A	X	3.667	3.667	0	%100
164	M159A	Z	0	0	0	%100
165	M160A	X	3.667	3.667	0	%100
166	M160A	Z	0	0	0	%100
167	M161	X	3.667	3.667	0	%100
168	M161	Z	0	0	0	%100
169	M186A	X	3.437	3.437	0	%100
170	M186A	Z	0	0	0	%100
171	M187	X	0	0	0	%100
172	M187	Z	0	0	0	%100
173	M188	X	3.437	3.437	0	%100
174	M188	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M40	X	.846	.846	0	%100
2	M40	Z	.489	.489	0	%100
3	M41	X	.994	.994	0	%100
4	M41	Z	.574	.574	0	%100
5	M42	X	.994	.994	0	%100
6	M42	Z	.574	.574	0	%100
7	M44	X	0	0	0	%100
8	M44	Z	0	0	0	%100
9	M45	X	0	0	0	%100
10	M45	Z	0	0	0	%100
11	M47	X	.994	.994	0	%100
12	M47	Z	.574	.574	0	%100
13	M48	X	.994	.994	0	%100
14	M48	Z	.574	.574	0	%100
15	M49	X	2.386	2.386	0	%100
16	M49	Z	1.378	1.378	0	%100



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M50	X	2.386	2.386	0	%100
18	M50	Z	1.378	1.378	0	%100
19	M51	X	0	0	0	%100
20	M51	Z	0	0	0	%100
21	M52	X	.846	.846	0	%100
22	M52	Z	.489	.489	0	%100
23	M54	X	.994	.994	0	%100
24	M54	Z	.574	.574	0	%100
25	M57	X	0	0	0	%100
26	M57	Z	0	0	0	%100
27	M60	X	.994	.994	0	%100
28	M60	Z	.574	.574	0	%100
29	M61	X	2.386	2.386	0	%100
30	M61	Z	1.378	1.378	0	%100
31	M62	X	2.386	2.386	0	%100
32	M62	Z	1.378	1.378	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	3.175	3.175	0	%100
36	M64	Z	1.833	1.833	0	%100
37	M65	X	3.175	3.175	0	%100
38	M65	Z	1.833	1.833	0	%100
39	M66	X	3.175	3.175	0	%100
40	M66	Z	1.833	1.833	0	%100
41	M67	X	1.778	1.778	0	%100
42	M67	Z	1.027	1.027	0	%100
43	M68	X	1.778	1.778	0	%100
44	M68	Z	1.027	1.027	0	%100
45	M72	X	3.733	3.733	0	%100
46	M72	Z	2.155	2.155	0	%100
47	M73	X	3.733	3.733	0	%100
48	M73	Z	2.155	2.155	0	%100
49	M77	X	1.778	1.778	0	%100
50	M77	Z	1.027	1.027	0	%100
51	M78	X	1.778	1.778	0	%100
52	M78	Z	1.027	1.027	0	%100
53	M182	X	.934	.934	0	%100
54	M182	Z	.539	.539	0	%100
55	M185	X	.934	.934	0	%100
56	M185	Z	.539	.539	0	%100
57	M186	X	.934	.934	0	%100
58	M186	Z	.539	.539	0	%100
59	M189	X	.934	.934	0	%100
60	M189	Z	.539	.539	0	%100
61	M190	X	0	0	0	%100
62	M190	Z	0	0	0	%100
63	M193	X	0	0	0	%100
64	M193	Z	0	0	0	%100
65	M60B	X	.846	.846	0	%100
66	M60B	Z	.489	.489	0	%100
67	M61B	X	.846	.846	0	%100
68	M61B	Z	.489	.489	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M78A	X	3.385	3.385	0	%100
70	M78A	Z	1.954	1.954	0	%100
71	M79	X	3.385	3.385	0	%100
72	M79	Z	1.954	1.954	0	%100
73	MP1A	X	3.705	3.705	0	%100
74	MP1A	Z	2.139	2.139	0	%100
75	MP3A	X	3.384	3.384	0	%100
76	MP3A	Z	1.954	1.954	0	%100
77	MP2A	X	3.384	3.384	0	%100
78	MP2A	Z	1.954	1.954	0	%100
79	MP4A	X	3.384	3.384	0	%100
80	MP4A	Z	1.954	1.954	0	%100
81	M67A	X	.996	.996	0	%100
82	M67A	Z	.575	.575	0	%100
83	M68A	X	.996	.996	0	%100
84	M68A	Z	.575	.575	0	%100
85	M69A	X	.996	.996	0	%100
86	M69A	Z	.575	.575	0	%100
87	M70A	X	.996	.996	0	%100
88	M70A	Z	.575	.575	0	%100
89	EQUIP1A	X	2.591	2.591	0	%100
90	EQUIP1A	Z	1.496	1.496	0	%100
91	M81	X	.996	.996	0	%100
92	M81	Z	.575	.575	0	%100
93	M82	X	.996	.996	0	%100
94	M82	Z	.575	.575	0	%100
95	M83	X	.996	.996	0	%100
96	M83	Z	.575	.575	0	%100
97	M84	X	.996	.996	0	%100
98	M84	Z	.575	.575	0	%100
99	EQUIP2A	X	2.591	2.591	0	%100
100	EQUIP2A	Z	1.496	1.496	0	%100
101	MP1C	X	3.705	3.705	0	%100
102	MP1C	Z	2.139	2.139	0	%100
103	MP3C	X	3.384	3.384	0	%100
104	MP3C	Z	1.954	1.954	0	%100
105	MP2C	X	3.384	3.384	0	%100
106	MP2C	Z	1.954	1.954	0	%100
107	MP4C	X	3.384	3.384	0	%100
108	MP4C	Z	1.954	1.954	0	%100
109	M105	X	.996	.996	0	%100
110	M105	Z	.575	.575	0	%100
111	M106	X	.996	.996	0	%100
112	M106	Z	.575	.575	0	%100
113	M107	X	.996	.996	0	%100
114	M107	Z	.575	.575	0	%100
115	M108	X	.996	.996	0	%100
116	M108	Z	.575	.575	0	%100
117	EQUIP1C	X	2.591	2.591	0	%100
118	EQUIP1C	Z	1.496	1.496	0	%100
119	M119	X	.996	.996	0	%100
120	M119	Z	.575	.575	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
121	M120	X	.996	.996	0	%100
122	M120	Z	.575	.575	0	%100
123	M121	X	.996	.996	0	%100
124	M121	Z	.575	.575	0	%100
125	M122	X	.996	.996	0	%100
126	M122	Z	.575	.575	0	%100
127	EQUIP2C	X	2.591	2.591	0	%100
128	EQUIP2C	Z	1.496	1.496	0	%100
129	MP1B	X	3.705	3.705	0	%100
130	MP1B	Z	2.139	2.139	0	%100
131	MP3B	X	3.384	3.384	0	%100
132	MP3B	Z	1.954	1.954	0	%100
133	MP2B	X	3.384	3.384	0	%100
134	MP2B	Z	1.954	1.954	0	%100
135	MP4B	X	3.384	3.384	0	%100
136	MP4B	Z	1.954	1.954	0	%100
137	M143	X	0	0	0	%100
138	M143	Z	0	0	0	%100
139	M144	X	0	0	0	%100
140	M144	Z	0	0	0	%100
141	M145	X	0	0	0	%100
142	M145	Z	0	0	0	%100
143	M146	X	0	0	0	%100
144	M146	Z	0	0	0	%100
145	EQUIP1B	X	2.591	2.591	0	%100
146	EQUIP1B	Z	1.496	1.496	0	%100
147	M157	X	0	0	0	%100
148	M157	Z	0	0	0	%100
149	M158	X	0	0	0	%100
150	M158	Z	0	0	0	%100
151	M159	X	0	0	0	%100
152	M159	Z	0	0	0	%100
153	M160	X	0	0	0	%100
154	M160	Z	0	0	0	%100
155	EQUIP2B	X	2.591	2.591	0	%100
156	EQUIP2B	Z	1.496	1.496	0	%100
157	M156A	X	3.175	3.175	0	%100
158	M156A	Z	1.833	1.833	0	%100
159	M157A	X	3.175	3.175	0	%100
160	M157A	Z	1.833	1.833	0	%100
161	M158A	X	3.175	3.175	0	%100
162	M158A	Z	1.833	1.833	0	%100
163	M159A	X	3.175	3.175	0	%100
164	M159A	Z	1.833	1.833	0	%100
165	M160A	X	3.175	3.175	0	%100
166	M160A	Z	1.833	1.833	0	%100
167	M161	X	3.175	3.175	0	%100
168	M161	Z	1.833	1.833	0	%100
169	M186A	X	.992	.992	0	%100
170	M186A	Z	.573	.573	0	%100
171	M187	X	.992	.992	0	%100
172	M187	Z	.573	.573	0	%100



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	M73	X	1.779	1.779	0	%100
48	M73	Z	3.081	3.081	0	%100
49	M77	X	.651	.651	0	%100
50	M77	Z	1.127	1.127	0	%100
51	M78	X	.651	.651	0	%100
52	M78	Z	1.127	1.127	0	%100
53	M182	X	.18	.18	0	%100
54	M182	Z	.311	.311	0	%100
55	M185	X	.18	.18	0	%100
56	M185	Z	.311	.311	0	%100
57	M186	X	.719	.719	0	%100
58	M186	Z	1.245	1.245	0	%100
59	M189	X	.719	.719	0	%100
60	M189	Z	1.245	1.245	0	%100
61	M190	X	.18	.18	0	%100
62	M190	Z	.311	.311	0	%100
63	M193	X	.18	.18	0	%100
64	M193	Z	.311	.311	0	%100
65	M60B	X	0	0	0	%100
66	M60B	Z	0	0	0	%100
67	M61B	X	0	0	0	%100
68	M61B	Z	0	0	0	%100
69	M78A	X	1.466	1.466	0	%100
70	M78A	Z	2.539	2.539	0	%100
71	M79	X	1.466	1.466	0	%100
72	M79	Z	2.539	2.539	0	%100
73	MP1A	X	2.139	2.139	0	%100
74	MP1A	Z	3.705	3.705	0	%100
75	MP3A	X	1.954	1.954	0	%100
76	MP3A	Z	3.384	3.384	0	%100
77	MP2A	X	1.954	1.954	0	%100
78	MP2A	Z	3.384	3.384	0	%100
79	MP4A	X	1.954	1.954	0	%100
80	MP4A	Z	3.384	3.384	0	%100
81	M67A	X	.192	.192	0	%100
82	M67A	Z	.332	.332	0	%100
83	M68A	X	.192	.192	0	%100
84	M68A	Z	.332	.332	0	%100
85	M69A	X	.192	.192	0	%100
86	M69A	Z	.332	.332	0	%100
87	M70A	X	.192	.192	0	%100
88	M70A	Z	.332	.332	0	%100
89	EQUIP1A	X	1.496	1.496	0	%100
90	EQUIP1A	Z	2.591	2.591	0	%100
91	M81	X	.192	.192	0	%100
92	M81	Z	.332	.332	0	%100
93	M82	X	.192	.192	0	%100
94	M82	Z	.332	.332	0	%100
95	M83	X	.192	.192	0	%100
96	M83	Z	.332	.332	0	%100
97	M84	X	.192	.192	0	%100
98	M84	Z	.332	.332	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
99	EQUIP2A	X	1.496	1.496	0	%100
100	EQUIP2A	Z	2.591	2.591	0	%100
101	MP1C	X	2.139	2.139	0	%100
102	MP1C	Z	3.705	3.705	0	%100
103	MP3C	X	1.954	1.954	0	%100
104	MP3C	Z	3.384	3.384	0	%100
105	MP2C	X	1.954	1.954	0	%100
106	MP2C	Z	3.384	3.384	0	%100
107	MP4C	X	1.954	1.954	0	%100
108	MP4C	Z	3.384	3.384	0	%100
109	M105	X	.767	.767	0	%100
110	M105	Z	1.328	1.328	0	%100
111	M106	X	.767	.767	0	%100
112	M106	Z	1.328	1.328	0	%100
113	M107	X	.767	.767	0	%100
114	M107	Z	1.328	1.328	0	%100
115	M108	X	.767	.767	0	%100
116	M108	Z	1.328	1.328	0	%100
117	EQUIP1C	X	1.496	1.496	0	%100
118	EQUIP1C	Z	2.591	2.591	0	%100
119	M119	X	.767	.767	0	%100
120	M119	Z	1.328	1.328	0	%100
121	M120	X	.767	.767	0	%100
122	M120	Z	1.328	1.328	0	%100
123	M121	X	.767	.767	0	%100
124	M121	Z	1.328	1.328	0	%100
125	M122	X	.767	.767	0	%100
126	M122	Z	1.328	1.328	0	%100
127	EQUIP2C	X	1.496	1.496	0	%100
128	EQUIP2C	Z	2.591	2.591	0	%100
129	MP1B	X	2.139	2.139	0	%100
130	MP1B	Z	3.705	3.705	0	%100
131	MP3B	X	1.954	1.954	0	%100
132	MP3B	Z	3.384	3.384	0	%100
133	MP2B	X	1.954	1.954	0	%100
134	MP2B	Z	3.384	3.384	0	%100
135	MP4B	X	1.954	1.954	0	%100
136	MP4B	Z	3.384	3.384	0	%100
137	M143	X	.192	.192	0	%100
138	M143	Z	.332	.332	0	%100
139	M144	X	.192	.192	0	%100
140	M144	Z	.332	.332	0	%100
141	M145	X	.192	.192	0	%100
142	M145	Z	.332	.332	0	%100
143	M146	X	.192	.192	0	%100
144	M146	Z	.332	.332	0	%100
145	EQUIP1B	X	1.496	1.496	0	%100
146	EQUIP1B	Z	2.591	2.591	0	%100
147	M157	X	.192	.192	0	%100
148	M157	Z	.332	.332	0	%100
149	M158	X	.192	.192	0	%100
150	M158	Z	.332	.332	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
151	M159	X	.192	.192	0	%100
152	M159	Z	.332	.332	0	%100
153	M160	X	.192	.192	0	%100
154	M160	Z	.332	.332	0	%100
155	EQUIP2B	X	1.496	1.496	0	%100
156	EQUIP2B	Z	2.591	2.591	0	%100
157	M156A	X	1.833	1.833	0	%100
158	M156A	Z	3.175	3.175	0	%100
159	M157A	X	1.833	1.833	0	%100
160	M157A	Z	3.175	3.175	0	%100
161	M158A	X	1.833	1.833	0	%100
162	M158A	Z	3.175	3.175	0	%100
163	M159A	X	1.833	1.833	0	%100
164	M159A	Z	3.175	3.175	0	%100
165	M160A	X	1.833	1.833	0	%100
166	M160A	Z	3.175	3.175	0	%100
167	M161	X	1.833	1.833	0	%100
168	M161	Z	3.175	3.175	0	%100
169	M186A	X	0	0	0	%100
170	M186A	Z	0	0	0	%100
171	M187	X	1.718	1.718	0	%100
172	M187	Z	2.976	2.976	0	%100
173	M188	X	1.718	1.718	0	%100
174	M188	Z	2.976	2.976	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M40	X	0	0	0	%100
2	M40	Z	3.908	3.908	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	0	0	0	%100
7	M44	X	0	0	0	%100
8	M44	Z	1.148	1.148	0	%100
9	M45	X	0	0	0	%100
10	M45	Z	1.148	1.148	0	%100
11	M47	X	0	0	0	%100
12	M47	Z	1.148	1.148	0	%100
13	M48	X	0	0	0	%100
14	M48	Z	1.148	1.148	0	%100
15	M49	X	0	0	0	%100
16	M49	Z	0	0	0	%100
17	M50	X	0	0	0	%100
18	M50	Z	2.755	2.755	0	%100
19	M51	X	0	0	0	%100
20	M51	Z	2.755	2.755	0	%100
21	M52	X	0	0	0	%100
22	M52	Z	3.908	3.908	0	%100
23	M54	X	0	0	0	%100
24	M54	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M57	X	0	0	0	%100
26	M57	Z	1.148	1.148	0	%100
27	M60	X	0	0	0	%100
28	M60	Z	1.148	1.148	0	%100
29	M61	X	0	0	0	%100
30	M61	Z	0	0	0	%100
31	M62	X	0	0	0	%100
32	M62	Z	2.755	2.755	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	2.755	2.755	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	3.667	3.667	0	%100
37	M65	X	0	0	0	%100
38	M65	Z	3.667	3.667	0	%100
39	M66	X	0	0	0	%100
40	M66	Z	3.667	3.667	0	%100
41	M67	X	0	0	0	%100
42	M67	Z	4.31	4.31	0	%100
43	M68	X	0	0	0	%100
44	M68	Z	4.31	4.31	0	%100
45	M72	X	0	0	0	%100
46	M72	Z	2.053	2.053	0	%100
47	M73	X	0	0	0	%100
48	M73	Z	2.053	2.053	0	%100
49	M77	X	0	0	0	%100
50	M77	Z	2.053	2.053	0	%100
51	M78	X	0	0	0	%100
52	M78	Z	2.053	2.053	0	%100
53	M182	X	0	0	0	%100
54	M182	Z	0	0	0	%100
55	M185	X	0	0	0	%100
56	M185	Z	0	0	0	%100
57	M186	X	0	0	0	%100
58	M186	Z	1.078	1.078	0	%100
59	M189	X	0	0	0	%100
60	M189	Z	1.078	1.078	0	%100
61	M190	X	0	0	0	%100
62	M190	Z	1.078	1.078	0	%100
63	M193	X	0	0	0	%100
64	M193	Z	1.078	1.078	0	%100
65	M60B	X	0	0	0	%100
66	M60B	Z	.977	.977	0	%100
67	M61B	X	0	0	0	%100
68	M61B	Z	.977	.977	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	.977	.977	0	%100
71	M79	X	0	0	0	%100
72	M79	Z	.977	.977	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	4.278	4.278	0	%100
75	MP3A	X	0	0	0	%100
76	MP3A	Z	3.907	3.907	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
77	MP2A	X	0	0	0	%100
78	MP2A	Z	3.907	3.907	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	3.907	3.907	0	%100
81	M67A	X	0	0	0	%100
82	M67A	Z	0	0	0	%100
83	M68A	X	0	0	0	%100
84	M68A	Z	0	0	0	%100
85	M69A	X	0	0	0	%100
86	M69A	Z	0	0	0	%100
87	M70A	X	0	0	0	%100
88	M70A	Z	0	0	0	%100
89	EQUIP1A	X	0	0	0	%100
90	EQUIP1A	Z	2.992	2.992	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	0	0	0	%100
93	M82	X	0	0	0	%100
94	M82	Z	0	0	0	%100
95	M83	X	0	0	0	%100
96	M83	Z	0	0	0	%100
97	M84	X	0	0	0	%100
98	M84	Z	0	0	0	%100
99	EQUIP2A	X	0	0	0	%100
100	EQUIP2A	Z	2.992	2.992	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	4.278	4.278	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	3.907	3.907	0	%100
105	MP2C	X	0	0	0	%100
106	MP2C	Z	3.907	3.907	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	3.907	3.907	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	1.15	1.15	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	1.15	1.15	0	%100
113	M107	X	0	0	0	%100
114	M107	Z	1.15	1.15	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	1.15	1.15	0	%100
117	EQUIP1C	X	0	0	0	%100
118	EQUIP1C	Z	2.992	2.992	0	%100
119	M119	X	0	0	0	%100
120	M119	Z	1.15	1.15	0	%100
121	M120	X	0	0	0	%100
122	M120	Z	1.15	1.15	0	%100
123	M121	X	0	0	0	%100
124	M121	Z	1.15	1.15	0	%100
125	M122	X	0	0	0	%100
126	M122	Z	1.15	1.15	0	%100
127	EQUIP2C	X	0	0	0	%100
128	EQUIP2C	Z	2.992	2.992	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
129	MP1B	X	0	0	0	%100
130	MP1B	Z	4.278	4.278	0	%100
131	MP3B	X	0	0	0	%100
132	MP3B	Z	3.907	3.907	0	%100
133	MP2B	X	0	0	0	%100
134	MP2B	Z	3.907	3.907	0	%100
135	MP4B	X	0	0	0	%100
136	MP4B	Z	3.907	3.907	0	%100
137	M143	X	0	0	0	%100
138	M143	Z	1.15	1.15	0	%100
139	M144	X	0	0	0	%100
140	M144	Z	1.15	1.15	0	%100
141	M145	X	0	0	0	%100
142	M145	Z	1.15	1.15	0	%100
143	M146	X	0	0	0	%100
144	M146	Z	1.15	1.15	0	%100
145	EQUIP1B	X	0	0	0	%100
146	EQUIP1B	Z	2.992	2.992	0	%100
147	M157	X	0	0	0	%100
148	M157	Z	1.15	1.15	0	%100
149	M158	X	0	0	0	%100
150	M158	Z	1.15	1.15	0	%100
151	M159	X	0	0	0	%100
152	M159	Z	1.15	1.15	0	%100
153	M160	X	0	0	0	%100
154	M160	Z	1.15	1.15	0	%100
155	EQUIP2B	X	0	0	0	%100
156	EQUIP2B	Z	2.992	2.992	0	%100
157	M156A	X	0	0	0	%100
158	M156A	Z	3.667	3.667	0	%100
159	M157A	X	0	0	0	%100
160	M157A	Z	3.667	3.667	0	%100
161	M158A	X	0	0	0	%100
162	M158A	Z	3.667	3.667	0	%100
163	M159A	X	0	0	0	%100
164	M159A	Z	3.667	3.667	0	%100
165	M160A	X	0	0	0	%100
166	M160A	Z	3.667	3.667	0	%100
167	M161	X	0	0	0	%100
168	M161	Z	3.667	3.667	0	%100
169	M186A	X	0	0	0	%100
170	M186A	Z	1.146	1.146	0	%100
171	M187	X	0	0	0	%100
172	M187	Z	4.583	4.583	0	%100
173	M188	X	0	0	0	%100
174	M188	Z	1.146	1.146	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M40	X	-1.466	-1.466	0	%100
2	M40	Z	2.539	2.539	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	M41	X	-.191	-.191	0 %100
4	M41	Z	.331	.331	0 %100
5	M42	X	-.191	-.191	0 %100
6	M42	Z	.331	.331	0 %100
7	M44	X	-.765	-.765	0 %100
8	M44	Z	1.325	1.325	0 %100
9	M45	X	-.765	-.765	0 %100
10	M45	Z	1.325	1.325	0 %100
11	M47	X	-.191	-.191	0 %100
12	M47	Z	.331	.331	0 %100
13	M48	X	-.191	-.191	0 %100
14	M48	Z	.331	.331	0 %100
15	M49	X	-.459	-.459	0 %100
16	M49	Z	.795	.795	0 %100
17	M50	X	-.459	-.459	0 %100
18	M50	Z	.795	.795	0 %100
19	M51	X	-1.837	-1.837	0 %100
20	M51	Z	3.181	3.181	0 %100
21	M52	X	-1.466	-1.466	0 %100
22	M52	Z	2.539	2.539	0 %100
23	M54	X	-.191	-.191	0 %100
24	M54	Z	.331	.331	0 %100
25	M57	X	-.765	-.765	0 %100
26	M57	Z	1.325	1.325	0 %100
27	M60	X	-.191	-.191	0 %100
28	M60	Z	.331	.331	0 %100
29	M61	X	-.459	-.459	0 %100
30	M61	Z	.795	.795	0 %100
31	M62	X	-.459	-.459	0 %100
32	M62	Z	.795	.795	0 %100
33	M63	X	-1.837	-1.837	0 %100
34	M63	Z	3.181	3.181	0 %100
35	M64	X	-1.833	-1.833	0 %100
36	M64	Z	3.175	3.175	0 %100
37	M65	X	-1.833	-1.833	0 %100
38	M65	Z	3.175	3.175	0 %100
39	M66	X	-1.833	-1.833	0 %100
40	M66	Z	3.175	3.175	0 %100
41	M67	X	-1.779	-1.779	0 %100
42	M67	Z	3.081	3.081	0 %100
43	M68	X	-1.779	-1.779	0 %100
44	M68	Z	3.081	3.081	0 %100
45	M72	X	-.651	-.651	0 %100
46	M72	Z	1.127	1.127	0 %100
47	M73	X	-.651	-.651	0 %100
48	M73	Z	1.127	1.127	0 %100
49	M77	X	-1.779	-1.779	0 %100
50	M77	Z	3.081	3.081	0 %100
51	M78	X	-1.779	-1.779	0 %100
52	M78	Z	3.081	3.081	0 %100
53	M182	X	-.18	-.18	0 %100
54	M182	Z	.311	.311	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
55	M185	X	-.18	-.18	0	%100
56	M185	Z	.311	.311	0	%100
57	M186	X	-.18	-.18	0	%100
58	M186	Z	.311	.311	0	%100
59	M189	X	-.18	-.18	0	%100
60	M189	Z	.311	.311	0	%100
61	M190	X	-.719	-.719	0	%100
62	M190	Z	1.245	1.245	0	%100
63	M193	X	-.719	-.719	0	%100
64	M193	Z	1.245	1.245	0	%100
65	M60B	X	-1.466	-1.466	0	%100
66	M60B	Z	2.539	2.539	0	%100
67	M61B	X	-1.466	-1.466	0	%100
68	M61B	Z	2.539	2.539	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79	X	0	0	0	%100
72	M79	Z	0	0	0	%100
73	MP1A	X	-2.139	-2.139	0	%100
74	MP1A	Z	3.705	3.705	0	%100
75	MP3A	X	-1.954	-1.954	0	%100
76	MP3A	Z	3.384	3.384	0	%100
77	MP2A	X	-1.954	-1.954	0	%100
78	MP2A	Z	3.384	3.384	0	%100
79	MP4A	X	-1.954	-1.954	0	%100
80	MP4A	Z	3.384	3.384	0	%100
81	M67A	X	-.192	-.192	0	%100
82	M67A	Z	.332	.332	0	%100
83	M68A	X	-.192	-.192	0	%100
84	M68A	Z	.332	.332	0	%100
85	M69A	X	-.192	-.192	0	%100
86	M69A	Z	.332	.332	0	%100
87	M70A	X	-.192	-.192	0	%100
88	M70A	Z	.332	.332	0	%100
89	EQUIP1A	X	-1.496	-1.496	0	%100
90	EQUIP1A	Z	2.591	2.591	0	%100
91	M81	X	-.192	-.192	0	%100
92	M81	Z	.332	.332	0	%100
93	M82	X	-.192	-.192	0	%100
94	M82	Z	.332	.332	0	%100
95	M83	X	-.192	-.192	0	%100
96	M83	Z	.332	.332	0	%100
97	M84	X	-.192	-.192	0	%100
98	M84	Z	.332	.332	0	%100
99	EQUIP2A	X	-1.496	-1.496	0	%100
100	EQUIP2A	Z	2.591	2.591	0	%100
101	MP1C	X	-2.139	-2.139	0	%100
102	MP1C	Z	3.705	3.705	0	%100
103	MP3C	X	-1.954	-1.954	0	%100
104	MP3C	Z	3.384	3.384	0	%100
105	MP2C	X	-1.954	-1.954	0	%100
106	MP2C	Z	3.384	3.384	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
159	M157A	X	-1.833	-1.833	0	%100
160	M157A	Z	3.175	3.175	0	%100
161	M158A	X	-1.833	-1.833	0	%100
162	M158A	Z	3.175	3.175	0	%100
163	M159A	X	-1.833	-1.833	0	%100
164	M159A	Z	3.175	3.175	0	%100
165	M160A	X	-1.833	-1.833	0	%100
166	M160A	Z	3.175	3.175	0	%100
167	M161	X	-1.833	-1.833	0	%100
168	M161	Z	3.175	3.175	0	%100
169	M186A	X	-1.718	-1.718	0	%100
170	M186A	Z	2.976	2.976	0	%100
171	M187	X	-1.718	-1.718	0	%100
172	M187	Z	2.976	2.976	0	%100
173	M188	X	0	0	0	%100
174	M188	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M40	X	-.846	-.846	0	%100
2	M40	Z	.489	.489	0	%100
3	M41	X	-.994	-.994	0	%100
4	M41	Z	.574	.574	0	%100
5	M42	X	-.994	-.994	0	%100
6	M42	Z	.574	.574	0	%100
7	M44	X	-.994	-.994	0	%100
8	M44	Z	.574	.574	0	%100
9	M45	X	-.994	-.994	0	%100
10	M45	Z	.574	.574	0	%100
11	M47	X	0	0	0	%100
12	M47	Z	0	0	0	%100
13	M48	X	0	0	0	%100
14	M48	Z	0	0	0	%100
15	M49	X	-2.386	-2.386	0	%100
16	M49	Z	1.378	1.378	0	%100
17	M50	X	0	0	0	%100
18	M50	Z	0	0	0	%100
19	M51	X	-2.386	-2.386	0	%100
20	M51	Z	1.378	1.378	0	%100
21	M52	X	-.846	-.846	0	%100
22	M52	Z	.489	.489	0	%100
23	M54	X	-.994	-.994	0	%100
24	M54	Z	.574	.574	0	%100
25	M57	X	-.994	-.994	0	%100
26	M57	Z	.574	.574	0	%100
27	M60	X	0	0	0	%100
28	M60	Z	0	0	0	%100
29	M61	X	-2.386	-2.386	0	%100
30	M61	Z	1.378	1.378	0	%100
31	M62	X	0	0	0	%100
32	M62	Z	0	0	0	%100



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

Mar 18, 2022
 9:22 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M63	X	-2.386	-2.386	0	%100
34	M63	Z	1.378	1.378	0	%100
35	M64	X	-3.175	-3.175	0	%100
36	M64	Z	1.833	1.833	0	%100
37	M65	X	-3.175	-3.175	0	%100
38	M65	Z	1.833	1.833	0	%100
39	M66	X	-3.175	-3.175	0	%100
40	M66	Z	1.833	1.833	0	%100
41	M67	X	-1.778	-1.778	0	%100
42	M67	Z	1.027	1.027	0	%100
43	M68	X	-1.778	-1.778	0	%100
44	M68	Z	1.027	1.027	0	%100
45	M72	X	-1.778	-1.778	0	%100
46	M72	Z	1.027	1.027	0	%100
47	M73	X	-1.778	-1.778	0	%100
48	M73	Z	1.027	1.027	0	%100
49	M77	X	-3.733	-3.733	0	%100
50	M77	Z	2.155	2.155	0	%100
51	M78	X	-3.733	-3.733	0	%100
52	M78	Z	2.155	2.155	0	%100
53	M182	X	-.934	-.934	0	%100
54	M182	Z	.539	.539	0	%100
55	M185	X	-.934	-.934	0	%100
56	M185	Z	.539	.539	0	%100
57	M186	X	0	0	0	%100
58	M186	Z	0	0	0	%100
59	M189	X	0	0	0	%100
60	M189	Z	0	0	0	%100
61	M190	X	-.934	-.934	0	%100
62	M190	Z	.539	.539	0	%100
63	M193	X	-.934	-.934	0	%100
64	M193	Z	.539	.539	0	%100
65	M60B	X	-3.385	-3.385	0	%100
66	M60B	Z	1.954	1.954	0	%100
67	M61B	X	-3.385	-3.385	0	%100
68	M61B	Z	1.954	1.954	0	%100
69	M78A	X	-.846	-.846	0	%100
70	M78A	Z	.489	.489	0	%100
71	M79	X	-.846	-.846	0	%100
72	M79	Z	.489	.489	0	%100
73	MP1A	X	-3.705	-3.705	0	%100
74	MP1A	Z	2.139	2.139	0	%100
75	MP3A	X	-3.384	-3.384	0	%100
76	MP3A	Z	1.954	1.954	0	%100
77	MP2A	X	-3.384	-3.384	0	%100
78	MP2A	Z	1.954	1.954	0	%100
79	MP4A	X	-3.384	-3.384	0	%100
80	MP4A	Z	1.954	1.954	0	%100
81	M67A	X	-.996	-.996	0	%100
82	M67A	Z	.575	.575	0	%100
83	M68A	X	-.996	-.996	0	%100
84	M68A	Z	.575	.575	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M69A	X	-.996	-.996	0	%100
86	M69A	Z	.575	.575	0	%100
87	M70A	X	-.996	-.996	0	%100
88	M70A	Z	.575	.575	0	%100
89	EQUIP1A	X	-2.591	-2.591	0	%100
90	EQUIP1A	Z	1.496	1.496	0	%100
91	M81	X	-.996	-.996	0	%100
92	M81	Z	.575	.575	0	%100
93	M82	X	-.996	-.996	0	%100
94	M82	Z	.575	.575	0	%100
95	M83	X	-.996	-.996	0	%100
96	M83	Z	.575	.575	0	%100
97	M84	X	-.996	-.996	0	%100
98	M84	Z	.575	.575	0	%100
99	EQUIP2A	X	-2.591	-2.591	0	%100
100	EQUIP2A	Z	1.496	1.496	0	%100
101	MP1C	X	-3.705	-3.705	0	%100
102	MP1C	Z	2.139	2.139	0	%100
103	MP3C	X	-3.384	-3.384	0	%100
104	MP3C	Z	1.954	1.954	0	%100
105	MP2C	X	-3.384	-3.384	0	%100
106	MP2C	Z	1.954	1.954	0	%100
107	MP4C	X	-3.384	-3.384	0	%100
108	MP4C	Z	1.954	1.954	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	0	0	0	%100
113	M107	X	0	0	0	%100
114	M107	Z	0	0	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	0	0	0	%100
117	EQUIP1C	X	-2.591	-2.591	0	%100
118	EQUIP1C	Z	1.496	1.496	0	%100
119	M119	X	0	0	0	%100
120	M119	Z	0	0	0	%100
121	M120	X	0	0	0	%100
122	M120	Z	0	0	0	%100
123	M121	X	0	0	0	%100
124	M121	Z	0	0	0	%100
125	M122	X	0	0	0	%100
126	M122	Z	0	0	0	%100
127	EQUIP2C	X	-2.591	-2.591	0	%100
128	EQUIP2C	Z	1.496	1.496	0	%100
129	MP1B	X	-3.705	-3.705	0	%100
130	MP1B	Z	2.139	2.139	0	%100
131	MP3B	X	-3.384	-3.384	0	%100
132	MP3B	Z	1.954	1.954	0	%100
133	MP2B	X	-3.384	-3.384	0	%100
134	MP2B	Z	1.954	1.954	0	%100
135	MP4B	X	-3.384	-3.384	0	%100
136	MP4B	Z	1.954	1.954	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
137	M143	X	-.996	-.996	0	%100
138	M143	Z	.575	.575	0	%100
139	M144	X	-.996	-.996	0	%100
140	M144	Z	.575	.575	0	%100
141	M145	X	-.996	-.996	0	%100
142	M145	Z	.575	.575	0	%100
143	M146	X	-.996	-.996	0	%100
144	M146	Z	.575	.575	0	%100
145	EQUIP1B	X	-2.591	-2.591	0	%100
146	EQUIP1B	Z	1.496	1.496	0	%100
147	M157	X	-.996	-.996	0	%100
148	M157	Z	.575	.575	0	%100
149	M158	X	-.996	-.996	0	%100
150	M158	Z	.575	.575	0	%100
151	M159	X	-.996	-.996	0	%100
152	M159	Z	.575	.575	0	%100
153	M160	X	-.996	-.996	0	%100
154	M160	Z	.575	.575	0	%100
155	EQUIP2B	X	-2.591	-2.591	0	%100
156	EQUIP2B	Z	1.496	1.496	0	%100
157	M156A	X	-3.175	-3.175	0	%100
158	M156A	Z	1.833	1.833	0	%100
159	M157A	X	-3.175	-3.175	0	%100
160	M157A	Z	1.833	1.833	0	%100
161	M158A	X	-3.175	-3.175	0	%100
162	M158A	Z	1.833	1.833	0	%100
163	M159A	X	-3.175	-3.175	0	%100
164	M159A	Z	1.833	1.833	0	%100
165	M160A	X	-3.175	-3.175	0	%100
166	M160A	Z	1.833	1.833	0	%100
167	M161	X	-3.175	-3.175	0	%100
168	M161	Z	1.833	1.833	0	%100
169	M186A	X	-3.969	-3.969	0	%100
170	M186A	Z	2.291	2.291	0	%100
171	M187	X	-.992	-.992	0	%100
172	M187	Z	.573	.573	0	%100
173	M188	X	-.992	-.992	0	%100
174	M188	Z	.573	.573	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M40	X	0	0	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	-1.53	-1.53	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	-1.53	-1.53	0	%100
6	M42	Z	0	0	0	%100
7	M44	X	-.383	-.383	0	%100
8	M44	Z	0	0	0	%100
9	M45	X	-.383	-.383	0	%100
10	M45	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M47	X	-.383	-.383	0	%100
12	M47	Z	0	0	0	%100
13	M48	X	-.383	-.383	0	%100
14	M48	Z	0	0	0	%100
15	M49	X	-3.674	-3.674	0	%100
16	M49	Z	0	0	0	%100
17	M50	X	-.918	-.918	0	%100
18	M50	Z	0	0	0	%100
19	M51	X	-.918	-.918	0	%100
20	M51	Z	0	0	0	%100
21	M52	X	0	0	0	%100
22	M52	Z	0	0	0	%100
23	M54	X	-1.53	-1.53	0	%100
24	M54	Z	0	0	0	%100
25	M57	X	-.383	-.383	0	%100
26	M57	Z	0	0	0	%100
27	M60	X	-.383	-.383	0	%100
28	M60	Z	0	0	0	%100
29	M61	X	-3.674	-3.674	0	%100
30	M61	Z	0	0	0	%100
31	M62	X	-.918	-.918	0	%100
32	M62	Z	0	0	0	%100
33	M63	X	-.918	-.918	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	-3.667	-3.667	0	%100
36	M64	Z	0	0	0	%100
37	M65	X	-3.667	-3.667	0	%100
38	M65	Z	0	0	0	%100
39	M66	X	-3.667	-3.667	0	%100
40	M66	Z	0	0	0	%100
41	M67	X	-1.301	-1.301	0	%100
42	M67	Z	0	0	0	%100
43	M68	X	-1.301	-1.301	0	%100
44	M68	Z	0	0	0	%100
45	M72	X	-3.558	-3.558	0	%100
46	M72	Z	0	0	0	%100
47	M73	X	-3.558	-3.558	0	%100
48	M73	Z	0	0	0	%100
49	M77	X	-3.558	-3.558	0	%100
50	M77	Z	0	0	0	%100
51	M78	X	-3.558	-3.558	0	%100
52	M78	Z	0	0	0	%100
53	M182	X	-1.438	-1.438	0	%100
54	M182	Z	0	0	0	%100
55	M185	X	-1.438	-1.438	0	%100
56	M185	Z	0	0	0	%100
57	M186	X	-.359	-.359	0	%100
58	M186	Z	0	0	0	%100
59	M189	X	-.359	-.359	0	%100
60	M189	Z	0	0	0	%100
61	M190	X	-.359	-.359	0	%100
62	M190	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	M193	X	-.359	-.359	0 %100
64	M193	Z	0	0	0 %100
65	M60B	X	-2.931	-2.931	0 %100
66	M60B	Z	0	0	0 %100
67	M61B	X	-2.931	-2.931	0 %100
68	M61B	Z	0	0	0 %100
69	M78A	X	-2.931	-2.931	0 %100
70	M78A	Z	0	0	0 %100
71	M79	X	-2.931	-2.931	0 %100
72	M79	Z	0	0	0 %100
73	MP1A	X	-4.278	-4.278	0 %100
74	MP1A	Z	0	0	0 %100
75	MP3A	X	-3.907	-3.907	0 %100
76	MP3A	Z	0	0	0 %100
77	MP2A	X	-3.907	-3.907	0 %100
78	MP2A	Z	0	0	0 %100
79	MP4A	X	-3.907	-3.907	0 %100
80	MP4A	Z	0	0	0 %100
81	M67A	X	-1.534	-1.534	0 %100
82	M67A	Z	0	0	0 %100
83	M68A	X	-1.534	-1.534	0 %100
84	M68A	Z	0	0	0 %100
85	M69A	X	-1.534	-1.534	0 %100
86	M69A	Z	0	0	0 %100
87	M70A	X	-1.534	-1.534	0 %100
88	M70A	Z	0	0	0 %100
89	EQUIP1A	X	-2.992	-2.992	0 %100
90	EQUIP1A	Z	0	0	0 %100
91	M81	X	-1.534	-1.534	0 %100
92	M81	Z	0	0	0 %100
93	M82	X	-1.534	-1.534	0 %100
94	M82	Z	0	0	0 %100
95	M83	X	-1.534	-1.534	0 %100
96	M83	Z	0	0	0 %100
97	M84	X	-1.534	-1.534	0 %100
98	M84	Z	0	0	0 %100
99	EQUIP2A	X	-2.992	-2.992	0 %100
100	EQUIP2A	Z	0	0	0 %100
101	MP1C	X	-4.278	-4.278	0 %100
102	MP1C	Z	0	0	0 %100
103	MP3C	X	-3.907	-3.907	0 %100
104	MP3C	Z	0	0	0 %100
105	MP2C	X	-3.907	-3.907	0 %100
106	MP2C	Z	0	0	0 %100
107	MP4C	X	-3.907	-3.907	0 %100
108	MP4C	Z	0	0	0 %100
109	M105	X	-.383	-.383	0 %100
110	M105	Z	0	0	0 %100
111	M106	X	-.383	-.383	0 %100
112	M106	Z	0	0	0 %100
113	M107	X	-.383	-.383	0 %100
114	M107	Z	0	0	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M108	X	-.383	-.383	0	%100
116	M108	Z	0	0	0	%100
117	EQUIP1C	X	-2.992	-2.992	0	%100
118	EQUIP1C	Z	0	0	0	%100
119	M119	X	-.383	-.383	0	%100
120	M119	Z	0	0	0	%100
121	M120	X	-.383	-.383	0	%100
122	M120	Z	0	0	0	%100
123	M121	X	-.383	-.383	0	%100
124	M121	Z	0	0	0	%100
125	M122	X	-.383	-.383	0	%100
126	M122	Z	0	0	0	%100
127	EQUIP2C	X	-2.992	-2.992	0	%100
128	EQUIP2C	Z	0	0	0	%100
129	MP1B	X	-4.278	-4.278	0	%100
130	MP1B	Z	0	0	0	%100
131	MP3B	X	-3.907	-3.907	0	%100
132	MP3B	Z	0	0	0	%100
133	MP2B	X	-3.907	-3.907	0	%100
134	MP2B	Z	0	0	0	%100
135	MP4B	X	-3.907	-3.907	0	%100
136	MP4B	Z	0	0	0	%100
137	M143	X	-.383	-.383	0	%100
138	M143	Z	0	0	0	%100
139	M144	X	-.383	-.383	0	%100
140	M144	Z	0	0	0	%100
141	M145	X	-.383	-.383	0	%100
142	M145	Z	0	0	0	%100
143	M146	X	-.383	-.383	0	%100
144	M146	Z	0	0	0	%100
145	EQUIP1B	X	-2.992	-2.992	0	%100
146	EQUIP1B	Z	0	0	0	%100
147	M157	X	-.383	-.383	0	%100
148	M157	Z	0	0	0	%100
149	M158	X	-.383	-.383	0	%100
150	M158	Z	0	0	0	%100
151	M159	X	-.383	-.383	0	%100
152	M159	Z	0	0	0	%100
153	M160	X	-.383	-.383	0	%100
154	M160	Z	0	0	0	%100
155	EQUIP2B	X	-2.992	-2.992	0	%100
156	EQUIP2B	Z	0	0	0	%100
157	M156A	X	-3.667	-3.667	0	%100
158	M156A	Z	0	0	0	%100
159	M157A	X	-3.667	-3.667	0	%100
160	M157A	Z	0	0	0	%100
161	M158A	X	-3.667	-3.667	0	%100
162	M158A	Z	0	0	0	%100
163	M159A	X	-3.667	-3.667	0	%100
164	M159A	Z	0	0	0	%100
165	M160A	X	-3.667	-3.667	0	%100
166	M160A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	M67	X	-1.778	-1.778	0	%100
42	M67	Z	-1.027	-1.027	0	%100
43	M68	X	-1.778	-1.778	0	%100
44	M68	Z	-1.027	-1.027	0	%100
45	M72	X	-3.733	-3.733	0	%100
46	M72	Z	-2.155	-2.155	0	%100
47	M73	X	-3.733	-3.733	0	%100
48	M73	Z	-2.155	-2.155	0	%100
49	M77	X	-1.778	-1.778	0	%100
50	M77	Z	-1.027	-1.027	0	%100
51	M78	X	-1.778	-1.778	0	%100
52	M78	Z	-1.027	-1.027	0	%100
53	M182	X	-.934	-.934	0	%100
54	M182	Z	-.539	-.539	0	%100
55	M185	X	-.934	-.934	0	%100
56	M185	Z	-.539	-.539	0	%100
57	M186	X	-.934	-.934	0	%100
58	M186	Z	-.539	-.539	0	%100
59	M189	X	-.934	-.934	0	%100
60	M189	Z	-.539	-.539	0	%100
61	M190	X	0	0	0	%100
62	M190	Z	0	0	0	%100
63	M193	X	0	0	0	%100
64	M193	Z	0	0	0	%100
65	M60B	X	-.846	-.846	0	%100
66	M60B	Z	-.489	-.489	0	%100
67	M61B	X	-.846	-.846	0	%100
68	M61B	Z	-.489	-.489	0	%100
69	M78A	X	-3.385	-3.385	0	%100
70	M78A	Z	-1.954	-1.954	0	%100
71	M79	X	-3.385	-3.385	0	%100
72	M79	Z	-1.954	-1.954	0	%100
73	MP1A	X	-3.705	-3.705	0	%100
74	MP1A	Z	-2.139	-2.139	0	%100
75	MP3A	X	-3.384	-3.384	0	%100
76	MP3A	Z	-1.954	-1.954	0	%100
77	MP2A	X	-3.384	-3.384	0	%100
78	MP2A	Z	-1.954	-1.954	0	%100
79	MP4A	X	-3.384	-3.384	0	%100
80	MP4A	Z	-1.954	-1.954	0	%100
81	M67A	X	-.996	-.996	0	%100
82	M67A	Z	-.575	-.575	0	%100
83	M68A	X	-.996	-.996	0	%100
84	M68A	Z	-.575	-.575	0	%100
85	M69A	X	-.996	-.996	0	%100
86	M69A	Z	-.575	-.575	0	%100
87	M70A	X	-.996	-.996	0	%100
88	M70A	Z	-.575	-.575	0	%100
89	EQUIP1A	X	-2.591	-2.591	0	%100
90	EQUIP1A	Z	-1.496	-1.496	0	%100
91	M81	X	-.996	-.996	0	%100
92	M81	Z	-.575	-.575	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
93	M82	X	-0.996	-0.996	0	%100
94	M82	Z	-0.575	-0.575	0	%100
95	M83	X	-0.996	-0.996	0	%100
96	M83	Z	-0.575	-0.575	0	%100
97	M84	X	-0.996	-0.996	0	%100
98	M84	Z	-0.575	-0.575	0	%100
99	EQUIP2A	X	-2.591	-2.591	0	%100
100	EQUIP2A	Z	-1.496	-1.496	0	%100
101	MP1C	X	-3.705	-3.705	0	%100
102	MP1C	Z	-2.139	-2.139	0	%100
103	MP3C	X	-3.384	-3.384	0	%100
104	MP3C	Z	-1.954	-1.954	0	%100
105	MP2C	X	-3.384	-3.384	0	%100
106	MP2C	Z	-1.954	-1.954	0	%100
107	MP4C	X	-3.384	-3.384	0	%100
108	MP4C	Z	-1.954	-1.954	0	%100
109	M105	X	-0.996	-0.996	0	%100
110	M105	Z	-0.575	-0.575	0	%100
111	M106	X	-0.996	-0.996	0	%100
112	M106	Z	-0.575	-0.575	0	%100
113	M107	X	-0.996	-0.996	0	%100
114	M107	Z	-0.575	-0.575	0	%100
115	M108	X	-0.996	-0.996	0	%100
116	M108	Z	-0.575	-0.575	0	%100
117	EQUIP1C	X	-2.591	-2.591	0	%100
118	EQUIP1C	Z	-1.496	-1.496	0	%100
119	M119	X	-0.996	-0.996	0	%100
120	M119	Z	-0.575	-0.575	0	%100
121	M120	X	-0.996	-0.996	0	%100
122	M120	Z	-0.575	-0.575	0	%100
123	M121	X	-0.996	-0.996	0	%100
124	M121	Z	-0.575	-0.575	0	%100
125	M122	X	-0.996	-0.996	0	%100
126	M122	Z	-0.575	-0.575	0	%100
127	EQUIP2C	X	-2.591	-2.591	0	%100
128	EQUIP2C	Z	-1.496	-1.496	0	%100
129	MP1B	X	-3.705	-3.705	0	%100
130	MP1B	Z	-2.139	-2.139	0	%100
131	MP3B	X	-3.384	-3.384	0	%100
132	MP3B	Z	-1.954	-1.954	0	%100
133	MP2B	X	-3.384	-3.384	0	%100
134	MP2B	Z	-1.954	-1.954	0	%100
135	MP4B	X	-3.384	-3.384	0	%100
136	MP4B	Z	-1.954	-1.954	0	%100
137	M143	X	0	0	0	%100
138	M143	Z	0	0	0	%100
139	M144	X	0	0	0	%100
140	M144	Z	0	0	0	%100
141	M145	X	0	0	0	%100
142	M145	Z	0	0	0	%100
143	M146	X	0	0	0	%100
144	M146	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
145	EQUIP1B	X	-2.591	-2.591	0	%100
146	EQUIP1B	Z	-1.496	-1.496	0	%100
147	M157	X	0	0	0	%100
148	M157	Z	0	0	0	%100
149	M158	X	0	0	0	%100
150	M158	Z	0	0	0	%100
151	M159	X	0	0	0	%100
152	M159	Z	0	0	0	%100
153	M160	X	0	0	0	%100
154	M160	Z	0	0	0	%100
155	EQUIP2B	X	-2.591	-2.591	0	%100
156	EQUIP2B	Z	-1.496	-1.496	0	%100
157	M156A	X	-3.175	-3.175	0	%100
158	M156A	Z	-1.833	-1.833	0	%100
159	M157A	X	-3.175	-3.175	0	%100
160	M157A	Z	-1.833	-1.833	0	%100
161	M158A	X	-3.175	-3.175	0	%100
162	M158A	Z	-1.833	-1.833	0	%100
163	M159A	X	-3.175	-3.175	0	%100
164	M159A	Z	-1.833	-1.833	0	%100
165	M160A	X	-3.175	-3.175	0	%100
166	M160A	Z	-1.833	-1.833	0	%100
167	M161	X	-3.175	-3.175	0	%100
168	M161	Z	-1.833	-1.833	0	%100
169	M186A	X	-.992	-.992	0	%100
170	M186A	Z	-.573	-.573	0	%100
171	M187	X	-.992	-.992	0	%100
172	M187	Z	-.573	-.573	0	%100
173	M188	X	-3.969	-3.969	0	%100
174	M188	Z	-2.291	-2.291	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M40	X	-1.466	-1.466	0	%100
2	M40	Z	-2.539	-2.539	0	%100
3	M41	X	-.191	-.191	0	%100
4	M41	Z	-.331	-.331	0	%100
5	M42	X	-.191	-.191	0	%100
6	M42	Z	-.331	-.331	0	%100
7	M44	X	-.191	-.191	0	%100
8	M44	Z	-.331	-.331	0	%100
9	M45	X	-.191	-.191	0	%100
10	M45	Z	-.331	-.331	0	%100
11	M47	X	-.765	-.765	0	%100
12	M47	Z	-1.325	-1.325	0	%100
13	M48	X	-.765	-.765	0	%100
14	M48	Z	-1.325	-1.325	0	%100
15	M49	X	-.459	-.459	0	%100
16	M49	Z	-.795	-.795	0	%100
17	M50	X	-1.837	-1.837	0	%100
18	M50	Z	-3.181	-3.181	0	%100



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

Mar 18, 2022
 9:22 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M51	X	-.459	-.459	0	%100
20	M51	Z	-.795	-.795	0	%100
21	M52	X	-1.466	-1.466	0	%100
22	M52	Z	-2.539	-2.539	0	%100
23	M54	X	-.191	-.191	0	%100
24	M54	Z	-.331	-.331	0	%100
25	M57	X	-.191	-.191	0	%100
26	M57	Z	-.331	-.331	0	%100
27	M60	X	-.765	-.765	0	%100
28	M60	Z	-1.325	-1.325	0	%100
29	M61	X	-.459	-.459	0	%100
30	M61	Z	-.795	-.795	0	%100
31	M62	X	-1.837	-1.837	0	%100
32	M62	Z	-3.181	-3.181	0	%100
33	M63	X	-.459	-.459	0	%100
34	M63	Z	-.795	-.795	0	%100
35	M64	X	-1.833	-1.833	0	%100
36	M64	Z	-3.175	-3.175	0	%100
37	M65	X	-1.833	-1.833	0	%100
38	M65	Z	-3.175	-3.175	0	%100
39	M66	X	-1.833	-1.833	0	%100
40	M66	Z	-3.175	-3.175	0	%100
41	M67	X	-1.779	-1.779	0	%100
42	M67	Z	-3.081	-3.081	0	%100
43	M68	X	-1.779	-1.779	0	%100
44	M68	Z	-3.081	-3.081	0	%100
45	M72	X	-1.779	-1.779	0	%100
46	M72	Z	-3.081	-3.081	0	%100
47	M73	X	-1.779	-1.779	0	%100
48	M73	Z	-3.081	-3.081	0	%100
49	M77	X	-.651	-.651	0	%100
50	M77	Z	-1.127	-1.127	0	%100
51	M78	X	-.651	-.651	0	%100
52	M78	Z	-1.127	-1.127	0	%100
53	M182	X	-.18	-.18	0	%100
54	M182	Z	-.311	-.311	0	%100
55	M185	X	-.18	-.18	0	%100
56	M185	Z	-.311	-.311	0	%100
57	M186	X	-.719	-.719	0	%100
58	M186	Z	-1.245	-1.245	0	%100
59	M189	X	-.719	-.719	0	%100
60	M189	Z	-1.245	-1.245	0	%100
61	M190	X	-.18	-.18	0	%100
62	M190	Z	-.311	-.311	0	%100
63	M193	X	-.18	-.18	0	%100
64	M193	Z	-.311	-.311	0	%100
65	M60B	X	0	0	0	%100
66	M60B	Z	0	0	0	%100
67	M61B	X	0	0	0	%100
68	M61B	Z	0	0	0	%100
69	M78A	X	-1.466	-1.466	0	%100
70	M78A	Z	-2.539	-2.539	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
71	M79	X	-1.466	-1.466	0	%100
72	M79	Z	-2.539	-2.539	0	%100
73	MP1A	X	-2.139	-2.139	0	%100
74	MP1A	Z	-3.705	-3.705	0	%100
75	MP3A	X	-1.954	-1.954	0	%100
76	MP3A	Z	-3.384	-3.384	0	%100
77	MP2A	X	-1.954	-1.954	0	%100
78	MP2A	Z	-3.384	-3.384	0	%100
79	MP4A	X	-1.954	-1.954	0	%100
80	MP4A	Z	-3.384	-3.384	0	%100
81	M67A	X	-.192	-.192	0	%100
82	M67A	Z	-.332	-.332	0	%100
83	M68A	X	-.192	-.192	0	%100
84	M68A	Z	-.332	-.332	0	%100
85	M69A	X	-.192	-.192	0	%100
86	M69A	Z	-.332	-.332	0	%100
87	M70A	X	-.192	-.192	0	%100
88	M70A	Z	-.332	-.332	0	%100
89	EQUIP1A	X	-1.496	-1.496	0	%100
90	EQUIP1A	Z	-2.591	-2.591	0	%100
91	M81	X	-.192	-.192	0	%100
92	M81	Z	-.332	-.332	0	%100
93	M82	X	-.192	-.192	0	%100
94	M82	Z	-.332	-.332	0	%100
95	M83	X	-.192	-.192	0	%100
96	M83	Z	-.332	-.332	0	%100
97	M84	X	-.192	-.192	0	%100
98	M84	Z	-.332	-.332	0	%100
99	EQUIP2A	X	-1.496	-1.496	0	%100
100	EQUIP2A	Z	-2.591	-2.591	0	%100
101	MP1C	X	-2.139	-2.139	0	%100
102	MP1C	Z	-3.705	-3.705	0	%100
103	MP3C	X	-1.954	-1.954	0	%100
104	MP3C	Z	-3.384	-3.384	0	%100
105	MP2C	X	-1.954	-1.954	0	%100
106	MP2C	Z	-3.384	-3.384	0	%100
107	MP4C	X	-1.954	-1.954	0	%100
108	MP4C	Z	-3.384	-3.384	0	%100
109	M105	X	-.767	-.767	0	%100
110	M105	Z	-1.328	-1.328	0	%100
111	M106	X	-.767	-.767	0	%100
112	M106	Z	-1.328	-1.328	0	%100
113	M107	X	-.767	-.767	0	%100
114	M107	Z	-1.328	-1.328	0	%100
115	M108	X	-.767	-.767	0	%100
116	M108	Z	-1.328	-1.328	0	%100
117	EQUIP1C	X	-1.496	-1.496	0	%100
118	EQUIP1C	Z	-2.591	-2.591	0	%100
119	M119	X	-.767	-.767	0	%100
120	M119	Z	-1.328	-1.328	0	%100
121	M120	X	-.767	-.767	0	%100
122	M120	Z	-1.328	-1.328	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M182	X	0	0	0	%100
54	M182	Z	0	0	0	%100
55	M185	X	0	0	0	%100
56	M185	Z	0	0	0	%100
57	M186	X	0	0	0	%100
58	M186	Z	-.05	-.05	0	%100
59	M189	X	0	0	0	%100
60	M189	Z	-.05	-.05	0	%100
61	M190	X	0	0	0	%100
62	M190	Z	-.05	-.05	0	%100
63	M193	X	0	0	0	%100
64	M193	Z	-.05	-.05	0	%100
65	M60B	X	0	0	0	%100
66	M60B	Z	-.159	-.159	0	%100
67	M61B	X	0	0	0	%100
68	M61B	Z	-.159	-.159	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	-.159	-.159	0	%100
71	M79	X	0	0	0	%100
72	M79	Z	-.159	-.159	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	-.767	-.767	0	%100
75	MP3A	X	0	0	0	%100
76	MP3A	Z	-.634	-.634	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-.634	-.634	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-.634	-.634	0	%100
81	M67A	X	0	0	0	%100
82	M67A	Z	0	0	0	%100
83	M68A	X	0	0	0	%100
84	M68A	Z	0	0	0	%100
85	M69A	X	0	0	0	%100
86	M69A	Z	0	0	0	%100
87	M70A	X	0	0	0	%100
88	M70A	Z	0	0	0	%100
89	EQUIP1A	X	0	0	0	%100
90	EQUIP1A	Z	-.501	-.501	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	0	0	0	%100
93	M82	X	0	0	0	%100
94	M82	Z	0	0	0	%100
95	M83	X	0	0	0	%100
96	M83	Z	0	0	0	%100
97	M84	X	0	0	0	%100
98	M84	Z	0	0	0	%100
99	EQUIP2A	X	0	0	0	%100
100	EQUIP2A	Z	-.501	-.501	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	-.767	-.767	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-.634	-.634	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
157	M156A	X	0	0	0	%100
158	M156A	Z	-.668	-.668	0	%100
159	M157A	X	0	0	0	%100
160	M157A	Z	-.668	-.668	0	%100
161	M158A	X	0	0	0	%100
162	M158A	Z	-.668	-.668	0	%100
163	M159A	X	0	0	0	%100
164	M159A	Z	-.668	-.668	0	%100
165	M160A	X	0	0	0	%100
166	M160A	Z	-.668	-.668	0	%100
167	M161	X	0	0	0	%100
168	M161	Z	-.668	-.668	0	%100
169	M186A	X	0	0	0	%100
170	M186A	Z	-.263	-.263	0	%100
171	M187	X	0	0	0	%100
172	M187	Z	-1.052	-1.052	0	%100
173	M188	X	0	0	0	%100
174	M188	Z	-.263	-.263	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M40	X	.238	.238	0	%100
2	M40	Z	-.412	-.412	0	%100
3	M41	X	.013	.013	0	%100
4	M41	Z	-.022	-.022	0	%100
5	M42	X	.013	.013	0	%100
6	M42	Z	-.022	-.022	0	%100
7	M44	X	.05	.05	0	%100
8	M44	Z	-.087	-.087	0	%100
9	M45	X	.05	.05	0	%100
10	M45	Z	-.087	-.087	0	%100
11	M47	X	.013	.013	0	%100
12	M47	Z	-.022	-.022	0	%100
13	M48	X	.013	.013	0	%100
14	M48	Z	-.022	-.022	0	%100
15	M49	X	.078	.078	0	%100
16	M49	Z	-.135	-.135	0	%100
17	M50	X	.078	.078	0	%100
18	M50	Z	-.135	-.135	0	%100
19	M51	X	.312	.312	0	%100
20	M51	Z	-.541	-.541	0	%100
21	M52	X	.238	.238	0	%100
22	M52	Z	-.412	-.412	0	%100
23	M54	X	.013	.013	0	%100
24	M54	Z	-.022	-.022	0	%100
25	M57	X	.05	.05	0	%100
26	M57	Z	-.087	-.087	0	%100
27	M60	X	.013	.013	0	%100
28	M60	Z	-.022	-.022	0	%100
29	M61	X	.078	.078	0	%100
30	M61	Z	-.135	-.135	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M62	X	.078	.078	0	%100
32	M62	Z	-.135	-.135	0	%100
33	M63	X	.312	.312	0	%100
34	M63	Z	-.541	-.541	0	%100
35	M64	X	.334	.334	0	%100
36	M64	Z	-.578	-.578	0	%100
37	M65	X	.334	.334	0	%100
38	M65	Z	-.578	-.578	0	%100
39	M66	X	.334	.334	0	%100
40	M66	Z	-.578	-.578	0	%100
41	M67	X	.321	.321	0	%100
42	M67	Z	-.557	-.557	0	%100
43	M68	X	.321	.321	0	%100
44	M68	Z	-.557	-.557	0	%100
45	M72	X	.118	.118	0	%100
46	M72	Z	-.204	-.204	0	%100
47	M73	X	.118	.118	0	%100
48	M73	Z	-.204	-.204	0	%100
49	M77	X	.321	.321	0	%100
50	M77	Z	-.557	-.557	0	%100
51	M78	X	.321	.321	0	%100
52	M78	Z	-.557	-.557	0	%100
53	M182	X	.008	.008	0	%100
54	M182	Z	-.014	-.014	0	%100
55	M185	X	.008	.008	0	%100
56	M185	Z	-.014	-.014	0	%100
57	M186	X	.008	.008	0	%100
58	M186	Z	-.014	-.014	0	%100
59	M189	X	.008	.008	0	%100
60	M189	Z	-.014	-.014	0	%100
61	M190	X	.033	.033	0	%100
62	M190	Z	-.058	-.058	0	%100
63	M193	X	.033	.033	0	%100
64	M193	Z	-.058	-.058	0	%100
65	M60B	X	.238	.238	0	%100
66	M60B	Z	-.412	-.412	0	%100
67	M61B	X	.238	.238	0	%100
68	M61B	Z	-.412	-.412	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79	X	0	0	0	%100
72	M79	Z	0	0	0	%100
73	MP1A	X	.383	.383	0	%100
74	MP1A	Z	-.664	-.664	0	%100
75	MP3A	X	.317	.317	0	%100
76	MP3A	Z	-.549	-.549	0	%100
77	MP2A	X	.317	.317	0	%100
78	MP2A	Z	-.549	-.549	0	%100
79	MP4A	X	.317	.317	0	%100
80	MP4A	Z	-.549	-.549	0	%100
81	M67A	X	.013	.013	0	%100
82	M67A	Z	-.022	-.022	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
83	M68A	X	.013	.013	0	%100
84	M68A	Z	-.022	-.022	0	%100
85	M69A	X	.013	.013	0	%100
86	M69A	Z	-.022	-.022	0	%100
87	M70A	X	.013	.013	0	%100
88	M70A	Z	-.022	-.022	0	%100
89	EQUIP1A	X	.251	.251	0	%100
90	EQUIP1A	Z	-.434	-.434	0	%100
91	M81	X	.013	.013	0	%100
92	M81	Z	-.022	-.022	0	%100
93	M82	X	.013	.013	0	%100
94	M82	Z	-.022	-.022	0	%100
95	M83	X	.013	.013	0	%100
96	M83	Z	-.022	-.022	0	%100
97	M84	X	.013	.013	0	%100
98	M84	Z	-.022	-.022	0	%100
99	EQUIP2A	X	.251	.251	0	%100
100	EQUIP2A	Z	-.434	-.434	0	%100
101	MP1C	X	.383	.383	0	%100
102	MP1C	Z	-.664	-.664	0	%100
103	MP3C	X	.317	.317	0	%100
104	MP3C	Z	-.549	-.549	0	%100
105	MP2C	X	.317	.317	0	%100
106	MP2C	Z	-.549	-.549	0	%100
107	MP4C	X	.317	.317	0	%100
108	MP4C	Z	-.549	-.549	0	%100
109	M105	X	.013	.013	0	%100
110	M105	Z	-.022	-.022	0	%100
111	M106	X	.013	.013	0	%100
112	M106	Z	-.022	-.022	0	%100
113	M107	X	.013	.013	0	%100
114	M107	Z	-.022	-.022	0	%100
115	M108	X	.013	.013	0	%100
116	M108	Z	-.022	-.022	0	%100
117	EQUIP1C	X	.251	.251	0	%100
118	EQUIP1C	Z	-.434	-.434	0	%100
119	M119	X	.013	.013	0	%100
120	M119	Z	-.022	-.022	0	%100
121	M120	X	.013	.013	0	%100
122	M120	Z	-.022	-.022	0	%100
123	M121	X	.013	.013	0	%100
124	M121	Z	-.022	-.022	0	%100
125	M122	X	.013	.013	0	%100
126	M122	Z	-.022	-.022	0	%100
127	EQUIP2C	X	.251	.251	0	%100
128	EQUIP2C	Z	-.434	-.434	0	%100
129	MP1B	X	.383	.383	0	%100
130	MP1B	Z	-.664	-.664	0	%100
131	MP3B	X	.317	.317	0	%100
132	MP3B	Z	-.549	-.549	0	%100
133	MP2B	X	.317	.317	0	%100
134	MP2B	Z	-.549	-.549	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
135	MP4B	X	.317	.317	0	%100
136	MP4B	Z	-.549	-.549	0	%100
137	M143	X	.051	.051	0	%100
138	M143	Z	-.088	-.088	0	%100
139	M144	X	.051	.051	0	%100
140	M144	Z	-.088	-.088	0	%100
141	M145	X	.051	.051	0	%100
142	M145	Z	-.088	-.088	0	%100
143	M146	X	.051	.051	0	%100
144	M146	Z	-.088	-.088	0	%100
145	EQUIP1B	X	.251	.251	0	%100
146	EQUIP1B	Z	-.434	-.434	0	%100
147	M157	X	.051	.051	0	%100
148	M157	Z	-.088	-.088	0	%100
149	M158	X	.051	.051	0	%100
150	M158	Z	-.088	-.088	0	%100
151	M159	X	.051	.051	0	%100
152	M159	Z	-.088	-.088	0	%100
153	M160	X	.051	.051	0	%100
154	M160	Z	-.088	-.088	0	%100
155	EQUIP2B	X	.251	.251	0	%100
156	EQUIP2B	Z	-.434	-.434	0	%100
157	M156A	X	.334	.334	0	%100
158	M156A	Z	-.578	-.578	0	%100
159	M157A	X	.334	.334	0	%100
160	M157A	Z	-.578	-.578	0	%100
161	M158A	X	.334	.334	0	%100
162	M158A	Z	-.578	-.578	0	%100
163	M159A	X	.334	.334	0	%100
164	M159A	Z	-.578	-.578	0	%100
165	M160A	X	.334	.334	0	%100
166	M160A	Z	-.578	-.578	0	%100
167	M161	X	.334	.334	0	%100
168	M161	Z	-.578	-.578	0	%100
169	M186A	X	.395	.395	0	%100
170	M186A	Z	-.684	-.684	0	%100
171	M187	X	.395	.395	0	%100
172	M187	Z	-.684	-.684	0	%100
173	M188	X	0	0	0	%100
174	M188	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M40	X	.137	.137	0	%100
2	M40	Z	-.079	-.079	0	%100
3	M41	X	.065	.065	0	%100
4	M41	Z	-.038	-.038	0	%100
5	M42	X	.065	.065	0	%100
6	M42	Z	-.038	-.038	0	%100
7	M44	X	.065	.065	0	%100
8	M44	Z	-.038	-.038	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	M45	X	.065	.065	0	%100
10	M45	Z	-.038	-.038	0	%100
11	M47	X	0	0	0	%100
12	M47	Z	0	0	0	%100
13	M48	X	0	0	0	%100
14	M48	Z	0	0	0	%100
15	M49	X	.406	.406	0	%100
16	M49	Z	-.234	-.234	0	%100
17	M50	X	0	0	0	%100
18	M50	Z	0	0	0	%100
19	M51	X	.406	.406	0	%100
20	M51	Z	-.234	-.234	0	%100
21	M52	X	.137	.137	0	%100
22	M52	Z	-.079	-.079	0	%100
23	M54	X	.065	.065	0	%100
24	M54	Z	-.038	-.038	0	%100
25	M57	X	.065	.065	0	%100
26	M57	Z	-.038	-.038	0	%100
27	M60	X	0	0	0	%100
28	M60	Z	0	0	0	%100
29	M61	X	.406	.406	0	%100
30	M61	Z	-.234	-.234	0	%100
31	M62	X	0	0	0	%100
32	M62	Z	0	0	0	%100
33	M63	X	.406	.406	0	%100
34	M63	Z	-.234	-.234	0	%100
35	M64	X	.578	.578	0	%100
36	M64	Z	-.334	-.334	0	%100
37	M65	X	.578	.578	0	%100
38	M65	Z	-.334	-.334	0	%100
39	M66	X	.578	.578	0	%100
40	M66	Z	-.334	-.334	0	%100
41	M67	X	.321	.321	0	%100
42	M67	Z	-.186	-.186	0	%100
43	M68	X	.321	.321	0	%100
44	M68	Z	-.186	-.186	0	%100
45	M72	X	.321	.321	0	%100
46	M72	Z	-.186	-.186	0	%100
47	M73	X	.321	.321	0	%100
48	M73	Z	-.186	-.186	0	%100
49	M77	X	.675	.675	0	%100
50	M77	Z	-.389	-.389	0	%100
51	M78	X	.675	.675	0	%100
52	M78	Z	-.389	-.389	0	%100
53	M182	X	.043	.043	0	%100
54	M182	Z	-.025	-.025	0	%100
55	M185	X	.043	.043	0	%100
56	M185	Z	-.025	-.025	0	%100
57	M186	X	0	0	0	%100
58	M186	Z	0	0	0	%100
59	M189	X	0	0	0	%100
60	M189	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M190	X	.043	.043	0	%100
62	M190	Z	-.025	-.025	0	%100
63	M193	X	.043	.043	0	%100
64	M193	Z	-.025	-.025	0	%100
65	M60B	X	.549	.549	0	%100
66	M60B	Z	-.317	-.317	0	%100
67	M61B	X	.549	.549	0	%100
68	M61B	Z	-.317	-.317	0	%100
69	M78A	X	.137	.137	0	%100
70	M78A	Z	-.079	-.079	0	%100
71	M79	X	.137	.137	0	%100
72	M79	Z	-.079	-.079	0	%100
73	MP1A	X	.664	.664	0	%100
74	MP1A	Z	-.383	-.383	0	%100
75	MP3A	X	.549	.549	0	%100
76	MP3A	Z	-.317	-.317	0	%100
77	MP2A	X	.549	.549	0	%100
78	MP2A	Z	-.317	-.317	0	%100
79	MP4A	X	.549	.549	0	%100
80	MP4A	Z	-.317	-.317	0	%100
81	M67A	X	.066	.066	0	%100
82	M67A	Z	-.038	-.038	0	%100
83	M68A	X	.066	.066	0	%100
84	M68A	Z	-.038	-.038	0	%100
85	M69A	X	.066	.066	0	%100
86	M69A	Z	-.038	-.038	0	%100
87	M70A	X	.066	.066	0	%100
88	M70A	Z	-.038	-.038	0	%100
89	EQUIP1A	X	.434	.434	0	%100
90	EQUIP1A	Z	-.251	-.251	0	%100
91	M81	X	.066	.066	0	%100
92	M81	Z	-.038	-.038	0	%100
93	M82	X	.066	.066	0	%100
94	M82	Z	-.038	-.038	0	%100
95	M83	X	.066	.066	0	%100
96	M83	Z	-.038	-.038	0	%100
97	M84	X	.066	.066	0	%100
98	M84	Z	-.038	-.038	0	%100
99	EQUIP2A	X	.434	.434	0	%100
100	EQUIP2A	Z	-.251	-.251	0	%100
101	MP1C	X	.664	.664	0	%100
102	MP1C	Z	-.383	-.383	0	%100
103	MP3C	X	.549	.549	0	%100
104	MP3C	Z	-.317	-.317	0	%100
105	MP2C	X	.549	.549	0	%100
106	MP2C	Z	-.317	-.317	0	%100
107	MP4C	X	.549	.549	0	%100
108	MP4C	Z	-.317	-.317	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	0	0	0	%100



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
113	M107	X	0	0	0	%100
114	M107	Z	0	0	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	0	0	0	%100
117	EQUIP1C	X	.434	.434	0	%100
118	EQUIP1C	Z	-.251	-.251	0	%100
119	M119	X	0	0	0	%100
120	M119	Z	0	0	0	%100
121	M120	X	0	0	0	%100
122	M120	Z	0	0	0	%100
123	M121	X	0	0	0	%100
124	M121	Z	0	0	0	%100
125	M122	X	0	0	0	%100
126	M122	Z	0	0	0	%100
127	EQUIP2C	X	.434	.434	0	%100
128	EQUIP2C	Z	-.251	-.251	0	%100
129	MP1B	X	.664	.664	0	%100
130	MP1B	Z	-.383	-.383	0	%100
131	MP3B	X	.549	.549	0	%100
132	MP3B	Z	-.317	-.317	0	%100
133	MP2B	X	.549	.549	0	%100
134	MP2B	Z	-.317	-.317	0	%100
135	MP4B	X	.549	.549	0	%100
136	MP4B	Z	-.317	-.317	0	%100
137	M143	X	.066	.066	0	%100
138	M143	Z	-.038	-.038	0	%100
139	M144	X	.066	.066	0	%100
140	M144	Z	-.038	-.038	0	%100
141	M145	X	.066	.066	0	%100
142	M145	Z	-.038	-.038	0	%100
143	M146	X	.066	.066	0	%100
144	M146	Z	-.038	-.038	0	%100
145	EQUIP1B	X	.434	.434	0	%100
146	EQUIP1B	Z	-.251	-.251	0	%100
147	M157	X	.066	.066	0	%100
148	M157	Z	-.038	-.038	0	%100
149	M158	X	.066	.066	0	%100
150	M158	Z	-.038	-.038	0	%100
151	M159	X	.066	.066	0	%100
152	M159	Z	-.038	-.038	0	%100
153	M160	X	.066	.066	0	%100
154	M160	Z	-.038	-.038	0	%100
155	EQUIP2B	X	.434	.434	0	%100
156	EQUIP2B	Z	-.251	-.251	0	%100
157	M156A	X	.578	.578	0	%100
158	M156A	Z	-.334	-.334	0	%100
159	M157A	X	.578	.578	0	%100
160	M157A	Z	-.334	-.334	0	%100
161	M158A	X	.578	.578	0	%100
162	M158A	Z	-.334	-.334	0	%100
163	M159A	X	.578	.578	0	%100
164	M159A	Z	-.334	-.334	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
165	M160A	X	.578	.578	0	%100
166	M160A	Z	-.334	-.334	0	%100
167	M161	X	.578	.578	0	%100
168	M161	Z	-.334	-.334	0	%100
169	M186A	X	.911	.911	0	%100
170	M186A	Z	-.526	-.526	0	%100
171	M187	X	.228	.228	0	%100
172	M187	Z	-.132	-.132	0	%100
173	M188	X	.228	.228	0	%100
174	M188	Z	-.132	-.132	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M40	X	0	0	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	.1	.1	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	.1	.1	0	%100
6	M42	Z	0	0	0	%100
7	M44	X	.025	.025	0	%100
8	M44	Z	0	0	0	%100
9	M45	X	.025	.025	0	%100
10	M45	Z	0	0	0	%100
11	M47	X	.025	.025	0	%100
12	M47	Z	0	0	0	%100
13	M48	X	.025	.025	0	%100
14	M48	Z	0	0	0	%100
15	M49	X	.625	.625	0	%100
16	M49	Z	0	0	0	%100
17	M50	X	.156	.156	0	%100
18	M50	Z	0	0	0	%100
19	M51	X	.156	.156	0	%100
20	M51	Z	0	0	0	%100
21	M52	X	0	0	0	%100
22	M52	Z	0	0	0	%100
23	M54	X	.1	.1	0	%100
24	M54	Z	0	0	0	%100
25	M57	X	.025	.025	0	%100
26	M57	Z	0	0	0	%100
27	M60	X	.025	.025	0	%100
28	M60	Z	0	0	0	%100
29	M61	X	.625	.625	0	%100
30	M61	Z	0	0	0	%100
31	M62	X	.156	.156	0	%100
32	M62	Z	0	0	0	%100
33	M63	X	.156	.156	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	.668	.668	0	%100
36	M64	Z	0	0	0	%100
37	M65	X	.668	.668	0	%100
38	M65	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
39	M66	X	.668	.668	0	%100
40	M66	Z	0	0	0	%100
41	M67	X	.235	.235	0	%100
42	M67	Z	0	0	0	%100
43	M68	X	.235	.235	0	%100
44	M68	Z	0	0	0	%100
45	M72	X	.643	.643	0	%100
46	M72	Z	0	0	0	%100
47	M73	X	.643	.643	0	%100
48	M73	Z	0	0	0	%100
49	M77	X	.643	.643	0	%100
50	M77	Z	0	0	0	%100
51	M78	X	.643	.643	0	%100
52	M78	Z	0	0	0	%100
53	M182	X	.067	.067	0	%100
54	M182	Z	0	0	0	%100
55	M185	X	.067	.067	0	%100
56	M185	Z	0	0	0	%100
57	M186	X	.017	.017	0	%100
58	M186	Z	0	0	0	%100
59	M189	X	.017	.017	0	%100
60	M189	Z	0	0	0	%100
61	M190	X	.017	.017	0	%100
62	M190	Z	0	0	0	%100
63	M193	X	.017	.017	0	%100
64	M193	Z	0	0	0	%100
65	M60B	X	.476	.476	0	%100
66	M60B	Z	0	0	0	%100
67	M61B	X	.476	.476	0	%100
68	M61B	Z	0	0	0	%100
69	M78A	X	.476	.476	0	%100
70	M78A	Z	0	0	0	%100
71	M79	X	.476	.476	0	%100
72	M79	Z	0	0	0	%100
73	MP1A	X	.767	.767	0	%100
74	MP1A	Z	0	0	0	%100
75	MP3A	X	.634	.634	0	%100
76	MP3A	Z	0	0	0	%100
77	MP2A	X	.634	.634	0	%100
78	MP2A	Z	0	0	0	%100
79	MP4A	X	.634	.634	0	%100
80	MP4A	Z	0	0	0	%100
81	M67A	X	.101	.101	0	%100
82	M67A	Z	0	0	0	%100
83	M68A	X	.101	.101	0	%100
84	M68A	Z	0	0	0	%100
85	M69A	X	.101	.101	0	%100
86	M69A	Z	0	0	0	%100
87	M70A	X	.101	.101	0	%100
88	M70A	Z	0	0	0	%100
89	EQUIP1A	X	.501	.501	0	%100
90	EQUIP1A	Z	0	0	0	%100



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	M81	X	.101	.101	0	%100
92	M81	Z	0	0	0	%100
93	M82	X	.101	.101	0	%100
94	M82	Z	0	0	0	%100
95	M83	X	.101	.101	0	%100
96	M83	Z	0	0	0	%100
97	M84	X	.101	.101	0	%100
98	M84	Z	0	0	0	%100
99	EQUIP2A	X	.501	.501	0	%100
100	EQUIP2A	Z	0	0	0	%100
101	MP1C	X	.767	.767	0	%100
102	MP1C	Z	0	0	0	%100
103	MP3C	X	.634	.634	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	.634	.634	0	%100
106	MP2C	Z	0	0	0	%100
107	MP4C	X	.634	.634	0	%100
108	MP4C	Z	0	0	0	%100
109	M105	X	.025	.025	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	.025	.025	0	%100
112	M106	Z	0	0	0	%100
113	M107	X	.025	.025	0	%100
114	M107	Z	0	0	0	%100
115	M108	X	.025	.025	0	%100
116	M108	Z	0	0	0	%100
117	EQUIP1C	X	.501	.501	0	%100
118	EQUIP1C	Z	0	0	0	%100
119	M119	X	.025	.025	0	%100
120	M119	Z	0	0	0	%100
121	M120	X	.025	.025	0	%100
122	M120	Z	0	0	0	%100
123	M121	X	.025	.025	0	%100
124	M121	Z	0	0	0	%100
125	M122	X	.025	.025	0	%100
126	M122	Z	0	0	0	%100
127	EQUIP2C	X	.501	.501	0	%100
128	EQUIP2C	Z	0	0	0	%100
129	MP1B	X	.767	.767	0	%100
130	MP1B	Z	0	0	0	%100
131	MP3B	X	.634	.634	0	%100
132	MP3B	Z	0	0	0	%100
133	MP2B	X	.634	.634	0	%100
134	MP2B	Z	0	0	0	%100
135	MP4B	X	.634	.634	0	%100
136	MP4B	Z	0	0	0	%100
137	M143	X	.025	.025	0	%100
138	M143	Z	0	0	0	%100
139	M144	X	.025	.025	0	%100
140	M144	Z	0	0	0	%100
141	M145	X	.025	.025	0	%100
142	M145	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
143	M146	X	.025	.025	0	%100
144	M146	Z	0	0	0	%100
145	EQUIP1B	X	.501	.501	0	%100
146	EQUIP1B	Z	0	0	0	%100
147	M157	X	.025	.025	0	%100
148	M157	Z	0	0	0	%100
149	M158	X	.025	.025	0	%100
150	M158	Z	0	0	0	%100
151	M159	X	.025	.025	0	%100
152	M159	Z	0	0	0	%100
153	M160	X	.025	.025	0	%100
154	M160	Z	0	0	0	%100
155	EQUIP2B	X	.501	.501	0	%100
156	EQUIP2B	Z	0	0	0	%100
157	M156A	X	.668	.668	0	%100
158	M156A	Z	0	0	0	%100
159	M157A	X	.668	.668	0	%100
160	M157A	Z	0	0	0	%100
161	M158A	X	.668	.668	0	%100
162	M158A	Z	0	0	0	%100
163	M159A	X	.668	.668	0	%100
164	M159A	Z	0	0	0	%100
165	M160A	X	.668	.668	0	%100
166	M160A	Z	0	0	0	%100
167	M161	X	.668	.668	0	%100
168	M161	Z	0	0	0	%100
169	M186A	X	.789	.789	0	%100
170	M186A	Z	0	0	0	%100
171	M187	X	0	0	0	%100
172	M187	Z	0	0	0	%100
173	M188	X	.789	.789	0	%100
174	M188	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M40	X	.137	.137	0	%100
2	M40	Z	.079	.079	0	%100
3	M41	X	.065	.065	0	%100
4	M41	Z	.038	.038	0	%100
5	M42	X	.065	.065	0	%100
6	M42	Z	.038	.038	0	%100
7	M44	X	0	0	0	%100
8	M44	Z	0	0	0	%100
9	M45	X	0	0	0	%100
10	M45	Z	0	0	0	%100
11	M47	X	.065	.065	0	%100
12	M47	Z	.038	.038	0	%100
13	M48	X	.065	.065	0	%100
14	M48	Z	.038	.038	0	%100
15	M49	X	.406	.406	0	%100
16	M49	Z	.234	.234	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M50	X	.406	.406	0	%100
18	M50	Z	.234	.234	0	%100
19	M51	X	0	0	0	%100
20	M51	Z	0	0	0	%100
21	M52	X	.137	.137	0	%100
22	M52	Z	.079	.079	0	%100
23	M54	X	.065	.065	0	%100
24	M54	Z	.038	.038	0	%100
25	M57	X	0	0	0	%100
26	M57	Z	0	0	0	%100
27	M60	X	.065	.065	0	%100
28	M60	Z	.038	.038	0	%100
29	M61	X	.406	.406	0	%100
30	M61	Z	.234	.234	0	%100
31	M62	X	.406	.406	0	%100
32	M62	Z	.234	.234	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	.578	.578	0	%100
36	M64	Z	.334	.334	0	%100
37	M65	X	.578	.578	0	%100
38	M65	Z	.334	.334	0	%100
39	M66	X	.578	.578	0	%100
40	M66	Z	.334	.334	0	%100
41	M67	X	.321	.321	0	%100
42	M67	Z	.186	.186	0	%100
43	M68	X	.321	.321	0	%100
44	M68	Z	.186	.186	0	%100
45	M72	X	.675	.675	0	%100
46	M72	Z	.389	.389	0	%100
47	M73	X	.675	.675	0	%100
48	M73	Z	.389	.389	0	%100
49	M77	X	.321	.321	0	%100
50	M77	Z	.186	.186	0	%100
51	M78	X	.321	.321	0	%100
52	M78	Z	.186	.186	0	%100
53	M182	X	.043	.043	0	%100
54	M182	Z	.025	.025	0	%100
55	M185	X	.043	.043	0	%100
56	M185	Z	.025	.025	0	%100
57	M186	X	.043	.043	0	%100
58	M186	Z	.025	.025	0	%100
59	M189	X	.043	.043	0	%100
60	M189	Z	.025	.025	0	%100
61	M190	X	0	0	0	%100
62	M190	Z	0	0	0	%100
63	M193	X	0	0	0	%100
64	M193	Z	0	0	0	%100
65	M60B	X	.137	.137	0	%100
66	M60B	Z	.079	.079	0	%100
67	M61B	X	.137	.137	0	%100
68	M61B	Z	.079	.079	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M78A	X	.549	.549	0	%100
70	M78A	Z	.317	.317	0	%100
71	M79	X	.549	.549	0	%100
72	M79	Z	.317	.317	0	%100
73	MP1A	X	.664	.664	0	%100
74	MP1A	Z	.383	.383	0	%100
75	MP3A	X	.549	.549	0	%100
76	MP3A	Z	.317	.317	0	%100
77	MP2A	X	.549	.549	0	%100
78	MP2A	Z	.317	.317	0	%100
79	MP4A	X	.549	.549	0	%100
80	MP4A	Z	.317	.317	0	%100
81	M67A	X	.066	.066	0	%100
82	M67A	Z	.038	.038	0	%100
83	M68A	X	.066	.066	0	%100
84	M68A	Z	.038	.038	0	%100
85	M69A	X	.066	.066	0	%100
86	M69A	Z	.038	.038	0	%100
87	M70A	X	.066	.066	0	%100
88	M70A	Z	.038	.038	0	%100
89	EQUIP1A	X	.434	.434	0	%100
90	EQUIP1A	Z	.251	.251	0	%100
91	M81	X	.066	.066	0	%100
92	M81	Z	.038	.038	0	%100
93	M82	X	.066	.066	0	%100
94	M82	Z	.038	.038	0	%100
95	M83	X	.066	.066	0	%100
96	M83	Z	.038	.038	0	%100
97	M84	X	.066	.066	0	%100
98	M84	Z	.038	.038	0	%100
99	EQUIP2A	X	.434	.434	0	%100
100	EQUIP2A	Z	.251	.251	0	%100
101	MP1C	X	.664	.664	0	%100
102	MP1C	Z	.383	.383	0	%100
103	MP3C	X	.549	.549	0	%100
104	MP3C	Z	.317	.317	0	%100
105	MP2C	X	.549	.549	0	%100
106	MP2C	Z	.317	.317	0	%100
107	MP4C	X	.549	.549	0	%100
108	MP4C	Z	.317	.317	0	%100
109	M105	X	.066	.066	0	%100
110	M105	Z	.038	.038	0	%100
111	M106	X	.066	.066	0	%100
112	M106	Z	.038	.038	0	%100
113	M107	X	.066	.066	0	%100
114	M107	Z	.038	.038	0	%100
115	M108	X	.066	.066	0	%100
116	M108	Z	.038	.038	0	%100
117	EQUIP1C	X	.434	.434	0	%100
118	EQUIP1C	Z	.251	.251	0	%100
119	M119	X	.066	.066	0	%100
120	M119	Z	.038	.038	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
121	M120	X	.066	.066	0	%100
122	M120	Z	.038	.038	0	%100
123	M121	X	.066	.066	0	%100
124	M121	Z	.038	.038	0	%100
125	M122	X	.066	.066	0	%100
126	M122	Z	.038	.038	0	%100
127	EQUIP2C	X	.434	.434	0	%100
128	EQUIP2C	Z	.251	.251	0	%100
129	MP1B	X	.664	.664	0	%100
130	MP1B	Z	.383	.383	0	%100
131	MP3B	X	.549	.549	0	%100
132	MP3B	Z	.317	.317	0	%100
133	MP2B	X	.549	.549	0	%100
134	MP2B	Z	.317	.317	0	%100
135	MP4B	X	.549	.549	0	%100
136	MP4B	Z	.317	.317	0	%100
137	M143	X	0	0	0	%100
138	M143	Z	0	0	0	%100
139	M144	X	0	0	0	%100
140	M144	Z	0	0	0	%100
141	M145	X	0	0	0	%100
142	M145	Z	0	0	0	%100
143	M146	X	0	0	0	%100
144	M146	Z	0	0	0	%100
145	EQUIP1B	X	.434	.434	0	%100
146	EQUIP1B	Z	.251	.251	0	%100
147	M157	X	0	0	0	%100
148	M157	Z	0	0	0	%100
149	M158	X	0	0	0	%100
150	M158	Z	0	0	0	%100
151	M159	X	0	0	0	%100
152	M159	Z	0	0	0	%100
153	M160	X	0	0	0	%100
154	M160	Z	0	0	0	%100
155	EQUIP2B	X	.434	.434	0	%100
156	EQUIP2B	Z	.251	.251	0	%100
157	M156A	X	.578	.578	0	%100
158	M156A	Z	.334	.334	0	%100
159	M157A	X	.578	.578	0	%100
160	M157A	Z	.334	.334	0	%100
161	M158A	X	.578	.578	0	%100
162	M158A	Z	.334	.334	0	%100
163	M159A	X	.578	.578	0	%100
164	M159A	Z	.334	.334	0	%100
165	M160A	X	.578	.578	0	%100
166	M160A	Z	.334	.334	0	%100
167	M161	X	.578	.578	0	%100
168	M161	Z	.334	.334	0	%100
169	M186A	X	.228	.228	0	%100
170	M186A	Z	.132	.132	0	%100
171	M187	X	.228	.228	0	%100
172	M187	Z	.132	.132	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	M73	X	.321	.321	0	%100
48	M73	Z	.557	.557	0	%100
49	M77	X	.118	.118	0	%100
50	M77	Z	.204	.204	0	%100
51	M78	X	.118	.118	0	%100
52	M78	Z	.204	.204	0	%100
53	M182	X	.008	.008	0	%100
54	M182	Z	.014	.014	0	%100
55	M185	X	.008	.008	0	%100
56	M185	Z	.014	.014	0	%100
57	M186	X	.033	.033	0	%100
58	M186	Z	.058	.058	0	%100
59	M189	X	.033	.033	0	%100
60	M189	Z	.058	.058	0	%100
61	M190	X	.008	.008	0	%100
62	M190	Z	.014	.014	0	%100
63	M193	X	.008	.008	0	%100
64	M193	Z	.014	.014	0	%100
65	M60B	X	0	0	0	%100
66	M60B	Z	0	0	0	%100
67	M61B	X	0	0	0	%100
68	M61B	Z	0	0	0	%100
69	M78A	X	.238	.238	0	%100
70	M78A	Z	.412	.412	0	%100
71	M79	X	.238	.238	0	%100
72	M79	Z	.412	.412	0	%100
73	MP1A	X	.383	.383	0	%100
74	MP1A	Z	.664	.664	0	%100
75	MP3A	X	.317	.317	0	%100
76	MP3A	Z	.549	.549	0	%100
77	MP2A	X	.317	.317	0	%100
78	MP2A	Z	.549	.549	0	%100
79	MP4A	X	.317	.317	0	%100
80	MP4A	Z	.549	.549	0	%100
81	M67A	X	.013	.013	0	%100
82	M67A	Z	.022	.022	0	%100
83	M68A	X	.013	.013	0	%100
84	M68A	Z	.022	.022	0	%100
85	M69A	X	.013	.013	0	%100
86	M69A	Z	.022	.022	0	%100
87	M70A	X	.013	.013	0	%100
88	M70A	Z	.022	.022	0	%100
89	EQUIP1A	X	.251	.251	0	%100
90	EQUIP1A	Z	.434	.434	0	%100
91	M81	X	.013	.013	0	%100
92	M81	Z	.022	.022	0	%100
93	M82	X	.013	.013	0	%100
94	M82	Z	.022	.022	0	%100
95	M83	X	.013	.013	0	%100
96	M83	Z	.022	.022	0	%100
97	M84	X	.013	.013	0	%100
98	M84	Z	.022	.022	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
99	EQUIP2A	X	.251	.251	0	%100
100	EQUIP2A	Z	.434	.434	0	%100
101	MP1C	X	.383	.383	0	%100
102	MP1C	Z	.664	.664	0	%100
103	MP3C	X	.317	.317	0	%100
104	MP3C	Z	.549	.549	0	%100
105	MP2C	X	.317	.317	0	%100
106	MP2C	Z	.549	.549	0	%100
107	MP4C	X	.317	.317	0	%100
108	MP4C	Z	.549	.549	0	%100
109	M105	X	.051	.051	0	%100
110	M105	Z	.088	.088	0	%100
111	M106	X	.051	.051	0	%100
112	M106	Z	.088	.088	0	%100
113	M107	X	.051	.051	0	%100
114	M107	Z	.088	.088	0	%100
115	M108	X	.051	.051	0	%100
116	M108	Z	.088	.088	0	%100
117	EQUIP1C	X	.251	.251	0	%100
118	EQUIP1C	Z	.434	.434	0	%100
119	M119	X	.051	.051	0	%100
120	M119	Z	.088	.088	0	%100
121	M120	X	.051	.051	0	%100
122	M120	Z	.088	.088	0	%100
123	M121	X	.051	.051	0	%100
124	M121	Z	.088	.088	0	%100
125	M122	X	.051	.051	0	%100
126	M122	Z	.088	.088	0	%100
127	EQUIP2C	X	.251	.251	0	%100
128	EQUIP2C	Z	.434	.434	0	%100
129	MP1B	X	.383	.383	0	%100
130	MP1B	Z	.664	.664	0	%100
131	MP3B	X	.317	.317	0	%100
132	MP3B	Z	.549	.549	0	%100
133	MP2B	X	.317	.317	0	%100
134	MP2B	Z	.549	.549	0	%100
135	MP4B	X	.317	.317	0	%100
136	MP4B	Z	.549	.549	0	%100
137	M143	X	.013	.013	0	%100
138	M143	Z	.022	.022	0	%100
139	M144	X	.013	.013	0	%100
140	M144	Z	.022	.022	0	%100
141	M145	X	.013	.013	0	%100
142	M145	Z	.022	.022	0	%100
143	M146	X	.013	.013	0	%100
144	M146	Z	.022	.022	0	%100
145	EQUIP1B	X	.251	.251	0	%100
146	EQUIP1B	Z	.434	.434	0	%100
147	M157	X	.013	.013	0	%100
148	M157	Z	.022	.022	0	%100
149	M158	X	.013	.013	0	%100
150	M158	Z	.022	.022	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
151	M159	X	.013	.013	0	%100
152	M159	Z	.022	.022	0	%100
153	M160	X	.013	.013	0	%100
154	M160	Z	.022	.022	0	%100
155	EQUIP2B	X	.251	.251	0	%100
156	EQUIP2B	Z	.434	.434	0	%100
157	M156A	X	.334	.334	0	%100
158	M156A	Z	.578	.578	0	%100
159	M157A	X	.334	.334	0	%100
160	M157A	Z	.578	.578	0	%100
161	M158A	X	.334	.334	0	%100
162	M158A	Z	.578	.578	0	%100
163	M159A	X	.334	.334	0	%100
164	M159A	Z	.578	.578	0	%100
165	M160A	X	.334	.334	0	%100
166	M160A	Z	.578	.578	0	%100
167	M161	X	.334	.334	0	%100
168	M161	Z	.578	.578	0	%100
169	M186A	X	0	0	0	%100
170	M186A	Z	0	0	0	%100
171	M187	X	.395	.395	0	%100
172	M187	Z	.684	.684	0	%100
173	M188	X	.395	.395	0	%100
174	M188	Z	.684	.684	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M40	X	0	0	0	%100
2	M40	Z	.634	.634	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	0	0	0	%100
7	M44	X	0	0	0	%100
8	M44	Z	.075	.075	0	%100
9	M45	X	0	0	0	%100
10	M45	Z	.075	.075	0	%100
11	M47	X	0	0	0	%100
12	M47	Z	.075	.075	0	%100
13	M48	X	0	0	0	%100
14	M48	Z	.075	.075	0	%100
15	M49	X	0	0	0	%100
16	M49	Z	0	0	0	%100
17	M50	X	0	0	0	%100
18	M50	Z	.468	.468	0	%100
19	M51	X	0	0	0	%100
20	M51	Z	.468	.468	0	%100
21	M52	X	0	0	0	%100
22	M52	Z	.634	.634	0	%100
23	M54	X	0	0	0	%100
24	M54	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M57	X	0	0	0	%100
26	M57	Z	.075	.075	0	%100
27	M60	X	0	0	0	%100
28	M60	Z	.075	.075	0	%100
29	M61	X	0	0	0	%100
30	M61	Z	0	0	0	%100
31	M62	X	0	0	0	%100
32	M62	Z	.468	.468	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	.468	.468	0	%100
35	M64	X	0	0	0	%100
36	M64	Z	.668	.668	0	%100
37	M65	X	0	0	0	%100
38	M65	Z	.668	.668	0	%100
39	M66	X	0	0	0	%100
40	M66	Z	.668	.668	0	%100
41	M67	X	0	0	0	%100
42	M67	Z	.779	.779	0	%100
43	M68	X	0	0	0	%100
44	M68	Z	.779	.779	0	%100
45	M72	X	0	0	0	%100
46	M72	Z	.371	.371	0	%100
47	M73	X	0	0	0	%100
48	M73	Z	.371	.371	0	%100
49	M77	X	0	0	0	%100
50	M77	Z	.371	.371	0	%100
51	M78	X	0	0	0	%100
52	M78	Z	.371	.371	0	%100
53	M182	X	0	0	0	%100
54	M182	Z	0	0	0	%100
55	M185	X	0	0	0	%100
56	M185	Z	0	0	0	%100
57	M186	X	0	0	0	%100
58	M186	Z	.05	.05	0	%100
59	M189	X	0	0	0	%100
60	M189	Z	.05	.05	0	%100
61	M190	X	0	0	0	%100
62	M190	Z	.05	.05	0	%100
63	M193	X	0	0	0	%100
64	M193	Z	.05	.05	0	%100
65	M60B	X	0	0	0	%100
66	M60B	Z	.159	.159	0	%100
67	M61B	X	0	0	0	%100
68	M61B	Z	.159	.159	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	.159	.159	0	%100
71	M79	X	0	0	0	%100
72	M79	Z	.159	.159	0	%100
73	MP1A	X	0	0	0	%100
74	MP1A	Z	.767	.767	0	%100
75	MP3A	X	0	0	0	%100
76	MP3A	Z	.634	.634	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
129	MP1B	X	0	0	0	%100
130	MP1B	Z	.767	.767	0	%100
131	MP3B	X	0	0	0	%100
132	MP3B	Z	.634	.634	0	%100
133	MP2B	X	0	0	0	%100
134	MP2B	Z	.634	.634	0	%100
135	MP4B	X	0	0	0	%100
136	MP4B	Z	.634	.634	0	%100
137	M143	X	0	0	0	%100
138	M143	Z	.076	.076	0	%100
139	M144	X	0	0	0	%100
140	M144	Z	.076	.076	0	%100
141	M145	X	0	0	0	%100
142	M145	Z	.076	.076	0	%100
143	M146	X	0	0	0	%100
144	M146	Z	.076	.076	0	%100
145	EQUIP1B	X	0	0	0	%100
146	EQUIP1B	Z	.501	.501	0	%100
147	M157	X	0	0	0	%100
148	M157	Z	.076	.076	0	%100
149	M158	X	0	0	0	%100
150	M158	Z	.076	.076	0	%100
151	M159	X	0	0	0	%100
152	M159	Z	.076	.076	0	%100
153	M160	X	0	0	0	%100
154	M160	Z	.076	.076	0	%100
155	EQUIP2B	X	0	0	0	%100
156	EQUIP2B	Z	.501	.501	0	%100
157	M156A	X	0	0	0	%100
158	M156A	Z	.668	.668	0	%100
159	M157A	X	0	0	0	%100
160	M157A	Z	.668	.668	0	%100
161	M158A	X	0	0	0	%100
162	M158A	Z	.668	.668	0	%100
163	M159A	X	0	0	0	%100
164	M159A	Z	.668	.668	0	%100
165	M160A	X	0	0	0	%100
166	M160A	Z	.668	.668	0	%100
167	M161	X	0	0	0	%100
168	M161	Z	.668	.668	0	%100
169	M186A	X	0	0	0	%100
170	M186A	Z	.263	.263	0	%100
171	M187	X	0	0	0	%100
172	M187	Z	1.052	1.052	0	%100
173	M188	X	0	0	0	%100
174	M188	Z	.263	.263	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M40	X	-.238	-.238	0	%100
2	M40	Z	.412	.412	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	M41	X	-.013	-.013	0	%100
4	M41	Z	.022	.022	0	%100
5	M42	X	-.013	-.013	0	%100
6	M42	Z	.022	.022	0	%100
7	M44	X	-.05	-.05	0	%100
8	M44	Z	.087	.087	0	%100
9	M45	X	-.05	-.05	0	%100
10	M45	Z	.087	.087	0	%100
11	M47	X	-.013	-.013	0	%100
12	M47	Z	.022	.022	0	%100
13	M48	X	-.013	-.013	0	%100
14	M48	Z	.022	.022	0	%100
15	M49	X	-.078	-.078	0	%100
16	M49	Z	.135	.135	0	%100
17	M50	X	-.078	-.078	0	%100
18	M50	Z	.135	.135	0	%100
19	M51	X	-.312	-.312	0	%100
20	M51	Z	.541	.541	0	%100
21	M52	X	-.238	-.238	0	%100
22	M52	Z	.412	.412	0	%100
23	M54	X	-.013	-.013	0	%100
24	M54	Z	.022	.022	0	%100
25	M57	X	-.05	-.05	0	%100
26	M57	Z	.087	.087	0	%100
27	M60	X	-.013	-.013	0	%100
28	M60	Z	.022	.022	0	%100
29	M61	X	-.078	-.078	0	%100
30	M61	Z	.135	.135	0	%100
31	M62	X	-.078	-.078	0	%100
32	M62	Z	.135	.135	0	%100
33	M63	X	-.312	-.312	0	%100
34	M63	Z	.541	.541	0	%100
35	M64	X	-.334	-.334	0	%100
36	M64	Z	.578	.578	0	%100
37	M65	X	-.334	-.334	0	%100
38	M65	Z	.578	.578	0	%100
39	M66	X	-.334	-.334	0	%100
40	M66	Z	.578	.578	0	%100
41	M67	X	-.321	-.321	0	%100
42	M67	Z	.557	.557	0	%100
43	M68	X	-.321	-.321	0	%100
44	M68	Z	.557	.557	0	%100
45	M72	X	-.118	-.118	0	%100
46	M72	Z	.204	.204	0	%100
47	M73	X	-.118	-.118	0	%100
48	M73	Z	.204	.204	0	%100
49	M77	X	-.321	-.321	0	%100
50	M77	Z	.557	.557	0	%100
51	M78	X	-.321	-.321	0	%100
52	M78	Z	.557	.557	0	%100
53	M182	X	-.008	-.008	0	%100
54	M182	Z	.014	.014	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
55	M185	X	-.008	-.008	0	%100
56	M185	Z	.014	.014	0	%100
57	M186	X	-.008	-.008	0	%100
58	M186	Z	.014	.014	0	%100
59	M189	X	-.008	-.008	0	%100
60	M189	Z	.014	.014	0	%100
61	M190	X	-.033	-.033	0	%100
62	M190	Z	.058	.058	0	%100
63	M193	X	-.033	-.033	0	%100
64	M193	Z	.058	.058	0	%100
65	M60B	X	-.238	-.238	0	%100
66	M60B	Z	.412	.412	0	%100
67	M61B	X	-.238	-.238	0	%100
68	M61B	Z	.412	.412	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79	X	0	0	0	%100
72	M79	Z	0	0	0	%100
73	MP1A	X	-.383	-.383	0	%100
74	MP1A	Z	.664	.664	0	%100
75	MP3A	X	-.317	-.317	0	%100
76	MP3A	Z	.549	.549	0	%100
77	MP2A	X	-.317	-.317	0	%100
78	MP2A	Z	.549	.549	0	%100
79	MP4A	X	-.317	-.317	0	%100
80	MP4A	Z	.549	.549	0	%100
81	M67A	X	-.013	-.013	0	%100
82	M67A	Z	.022	.022	0	%100
83	M68A	X	-.013	-.013	0	%100
84	M68A	Z	.022	.022	0	%100
85	M69A	X	-.013	-.013	0	%100
86	M69A	Z	.022	.022	0	%100
87	M70A	X	-.013	-.013	0	%100
88	M70A	Z	.022	.022	0	%100
89	EQUIP1A	X	-.251	-.251	0	%100
90	EQUIP1A	Z	.434	.434	0	%100
91	M81	X	-.013	-.013	0	%100
92	M81	Z	.022	.022	0	%100
93	M82	X	-.013	-.013	0	%100
94	M82	Z	.022	.022	0	%100
95	M83	X	-.013	-.013	0	%100
96	M83	Z	.022	.022	0	%100
97	M84	X	-.013	-.013	0	%100
98	M84	Z	.022	.022	0	%100
99	EQUIP2A	X	-.251	-.251	0	%100
100	EQUIP2A	Z	.434	.434	0	%100
101	MP1C	X	-.383	-.383	0	%100
102	MP1C	Z	.664	.664	0	%100
103	MP3C	X	-.317	-.317	0	%100
104	MP3C	Z	.549	.549	0	%100
105	MP2C	X	-.317	-.317	0	%100
106	MP2C	Z	.549	.549	0	%100



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
107	MP4C	X	-.317	-.317	0	%100
108	MP4C	Z	.549	.549	0	%100
109	M105	X	-.013	-.013	0	%100
110	M105	Z	.022	.022	0	%100
111	M106	X	-.013	-.013	0	%100
112	M106	Z	.022	.022	0	%100
113	M107	X	-.013	-.013	0	%100
114	M107	Z	.022	.022	0	%100
115	M108	X	-.013	-.013	0	%100
116	M108	Z	.022	.022	0	%100
117	EQUIP1C	X	-.251	-.251	0	%100
118	EQUIP1C	Z	.434	.434	0	%100
119	M119	X	-.013	-.013	0	%100
120	M119	Z	.022	.022	0	%100
121	M120	X	-.013	-.013	0	%100
122	M120	Z	.022	.022	0	%100
123	M121	X	-.013	-.013	0	%100
124	M121	Z	.022	.022	0	%100
125	M122	X	-.013	-.013	0	%100
126	M122	Z	.022	.022	0	%100
127	EQUIP2C	X	-.251	-.251	0	%100
128	EQUIP2C	Z	.434	.434	0	%100
129	MP1B	X	-.383	-.383	0	%100
130	MP1B	Z	.664	.664	0	%100
131	MP3B	X	-.317	-.317	0	%100
132	MP3B	Z	.549	.549	0	%100
133	MP2B	X	-.317	-.317	0	%100
134	MP2B	Z	.549	.549	0	%100
135	MP4B	X	-.317	-.317	0	%100
136	MP4B	Z	.549	.549	0	%100
137	M143	X	-.051	-.051	0	%100
138	M143	Z	.088	.088	0	%100
139	M144	X	-.051	-.051	0	%100
140	M144	Z	.088	.088	0	%100
141	M145	X	-.051	-.051	0	%100
142	M145	Z	.088	.088	0	%100
143	M146	X	-.051	-.051	0	%100
144	M146	Z	.088	.088	0	%100
145	EQUIP1B	X	-.251	-.251	0	%100
146	EQUIP1B	Z	.434	.434	0	%100
147	M157	X	-.051	-.051	0	%100
148	M157	Z	.088	.088	0	%100
149	M158	X	-.051	-.051	0	%100
150	M158	Z	.088	.088	0	%100
151	M159	X	-.051	-.051	0	%100
152	M159	Z	.088	.088	0	%100
153	M160	X	-.051	-.051	0	%100
154	M160	Z	.088	.088	0	%100
155	EQUIP2B	X	-.251	-.251	0	%100
156	EQUIP2B	Z	.434	.434	0	%100
157	M156A	X	-.334	-.334	0	%100
158	M156A	Z	.578	.578	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
159	M157A	X	-.334	-.334	0	%100
160	M157A	Z	.578	.578	0	%100
161	M158A	X	-.334	-.334	0	%100
162	M158A	Z	.578	.578	0	%100
163	M159A	X	-.334	-.334	0	%100
164	M159A	Z	.578	.578	0	%100
165	M160A	X	-.334	-.334	0	%100
166	M160A	Z	.578	.578	0	%100
167	M161	X	-.334	-.334	0	%100
168	M161	Z	.578	.578	0	%100
169	M186A	X	-.395	-.395	0	%100
170	M186A	Z	.684	.684	0	%100
171	M187	X	-.395	-.395	0	%100
172	M187	Z	.684	.684	0	%100
173	M188	X	0	0	0	%100
174	M188	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M40	X	-.137	-.137	0	%100
2	M40	Z	.079	.079	0	%100
3	M41	X	-.065	-.065	0	%100
4	M41	Z	.038	.038	0	%100
5	M42	X	-.065	-.065	0	%100
6	M42	Z	.038	.038	0	%100
7	M44	X	-.065	-.065	0	%100
8	M44	Z	.038	.038	0	%100
9	M45	X	-.065	-.065	0	%100
10	M45	Z	.038	.038	0	%100
11	M47	X	0	0	0	%100
12	M47	Z	0	0	0	%100
13	M48	X	0	0	0	%100
14	M48	Z	0	0	0	%100
15	M49	X	-.406	-.406	0	%100
16	M49	Z	.234	.234	0	%100
17	M50	X	0	0	0	%100
18	M50	Z	0	0	0	%100
19	M51	X	-.406	-.406	0	%100
20	M51	Z	.234	.234	0	%100
21	M52	X	-.137	-.137	0	%100
22	M52	Z	.079	.079	0	%100
23	M54	X	-.065	-.065	0	%100
24	M54	Z	.038	.038	0	%100
25	M57	X	-.065	-.065	0	%100
26	M57	Z	.038	.038	0	%100
27	M60	X	0	0	0	%100
28	M60	Z	0	0	0	%100
29	M61	X	-.406	-.406	0	%100
30	M61	Z	.234	.234	0	%100
31	M62	X	0	0	0	%100
32	M62	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M69A	X	-.066	-.066	0	%100
86	M69A	Z	.038	.038	0	%100
87	M70A	X	-.066	-.066	0	%100
88	M70A	Z	.038	.038	0	%100
89	EQUIP1A	X	-.434	-.434	0	%100
90	EQUIP1A	Z	.251	.251	0	%100
91	M81	X	-.066	-.066	0	%100
92	M81	Z	.038	.038	0	%100
93	M82	X	-.066	-.066	0	%100
94	M82	Z	.038	.038	0	%100
95	M83	X	-.066	-.066	0	%100
96	M83	Z	.038	.038	0	%100
97	M84	X	-.066	-.066	0	%100
98	M84	Z	.038	.038	0	%100
99	EQUIP2A	X	-.434	-.434	0	%100
100	EQUIP2A	Z	.251	.251	0	%100
101	MP1C	X	-.664	-.664	0	%100
102	MP1C	Z	.383	.383	0	%100
103	MP3C	X	-.549	-.549	0	%100
104	MP3C	Z	.317	.317	0	%100
105	MP2C	X	-.549	-.549	0	%100
106	MP2C	Z	.317	.317	0	%100
107	MP4C	X	-.549	-.549	0	%100
108	MP4C	Z	.317	.317	0	%100
109	M105	X	0	0	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	0	0	0	%100
112	M106	Z	0	0	0	%100
113	M107	X	0	0	0	%100
114	M107	Z	0	0	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	0	0	0	%100
117	EQUIP1C	X	-.434	-.434	0	%100
118	EQUIP1C	Z	.251	.251	0	%100
119	M119	X	0	0	0	%100
120	M119	Z	0	0	0	%100
121	M120	X	0	0	0	%100
122	M120	Z	0	0	0	%100
123	M121	X	0	0	0	%100
124	M121	Z	0	0	0	%100
125	M122	X	0	0	0	%100
126	M122	Z	0	0	0	%100
127	EQUIP2C	X	-.434	-.434	0	%100
128	EQUIP2C	Z	.251	.251	0	%100
129	MP1B	X	-.664	-.664	0	%100
130	MP1B	Z	.383	.383	0	%100
131	MP3B	X	-.549	-.549	0	%100
132	MP3B	Z	.317	.317	0	%100
133	MP2B	X	-.549	-.549	0	%100
134	MP2B	Z	.317	.317	0	%100
135	MP4B	X	-.549	-.549	0	%100
136	MP4B	Z	.317	.317	0	%100



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M47	X	-.025	-.025	0	%100
12	M47	Z	0	0	0	%100
13	M48	X	-.025	-.025	0	%100
14	M48	Z	0	0	0	%100
15	M49	X	-.625	-.625	0	%100
16	M49	Z	0	0	0	%100
17	M50	X	-.156	-.156	0	%100
18	M50	Z	0	0	0	%100
19	M51	X	-.156	-.156	0	%100
20	M51	Z	0	0	0	%100
21	M52	X	0	0	0	%100
22	M52	Z	0	0	0	%100
23	M54	X	-.1	-.1	0	%100
24	M54	Z	0	0	0	%100
25	M57	X	-.025	-.025	0	%100
26	M57	Z	0	0	0	%100
27	M60	X	-.025	-.025	0	%100
28	M60	Z	0	0	0	%100
29	M61	X	-.625	-.625	0	%100
30	M61	Z	0	0	0	%100
31	M62	X	-.156	-.156	0	%100
32	M62	Z	0	0	0	%100
33	M63	X	-.156	-.156	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	-.668	-.668	0	%100
36	M64	Z	0	0	0	%100
37	M65	X	-.668	-.668	0	%100
38	M65	Z	0	0	0	%100
39	M66	X	-.668	-.668	0	%100
40	M66	Z	0	0	0	%100
41	M67	X	-.235	-.235	0	%100
42	M67	Z	0	0	0	%100
43	M68	X	-.235	-.235	0	%100
44	M68	Z	0	0	0	%100
45	M72	X	-.643	-.643	0	%100
46	M72	Z	0	0	0	%100
47	M73	X	-.643	-.643	0	%100
48	M73	Z	0	0	0	%100
49	M77	X	-.643	-.643	0	%100
50	M77	Z	0	0	0	%100
51	M78	X	-.643	-.643	0	%100
52	M78	Z	0	0	0	%100
53	M182	X	-.067	-.067	0	%100
54	M182	Z	0	0	0	%100
55	M185	X	-.067	-.067	0	%100
56	M185	Z	0	0	0	%100
57	M186	X	-.017	-.017	0	%100
58	M186	Z	0	0	0	%100
59	M189	X	-.017	-.017	0	%100
60	M189	Z	0	0	0	%100
61	M190	X	-.017	-.017	0	%100
62	M190	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	M193	X	-.017	-.017	0	%100
64	M193	Z	0	0	0	%100
65	M60B	X	-.476	-.476	0	%100
66	M60B	Z	0	0	0	%100
67	M61B	X	-.476	-.476	0	%100
68	M61B	Z	0	0	0	%100
69	M78A	X	-.476	-.476	0	%100
70	M78A	Z	0	0	0	%100
71	M79	X	-.476	-.476	0	%100
72	M79	Z	0	0	0	%100
73	MP1A	X	-.767	-.767	0	%100
74	MP1A	Z	0	0	0	%100
75	MP3A	X	-.634	-.634	0	%100
76	MP3A	Z	0	0	0	%100
77	MP2A	X	-.634	-.634	0	%100
78	MP2A	Z	0	0	0	%100
79	MP4A	X	-.634	-.634	0	%100
80	MP4A	Z	0	0	0	%100
81	M67A	X	-.101	-.101	0	%100
82	M67A	Z	0	0	0	%100
83	M68A	X	-.101	-.101	0	%100
84	M68A	Z	0	0	0	%100
85	M69A	X	-.101	-.101	0	%100
86	M69A	Z	0	0	0	%100
87	M70A	X	-.101	-.101	0	%100
88	M70A	Z	0	0	0	%100
89	EQUIP1A	X	-.501	-.501	0	%100
90	EQUIP1A	Z	0	0	0	%100
91	M81	X	-.101	-.101	0	%100
92	M81	Z	0	0	0	%100
93	M82	X	-.101	-.101	0	%100
94	M82	Z	0	0	0	%100
95	M83	X	-.101	-.101	0	%100
96	M83	Z	0	0	0	%100
97	M84	X	-.101	-.101	0	%100
98	M84	Z	0	0	0	%100
99	EQUIP2A	X	-.501	-.501	0	%100
100	EQUIP2A	Z	0	0	0	%100
101	MP1C	X	-.767	-.767	0	%100
102	MP1C	Z	0	0	0	%100
103	MP3C	X	-.634	-.634	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	-.634	-.634	0	%100
106	MP2C	Z	0	0	0	%100
107	MP4C	X	-.634	-.634	0	%100
108	MP4C	Z	0	0	0	%100
109	M105	X	-.025	-.025	0	%100
110	M105	Z	0	0	0	%100
111	M106	X	-.025	-.025	0	%100
112	M106	Z	0	0	0	%100
113	M107	X	-.025	-.025	0	%100
114	M107	Z	0	0	0	%100



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

Mar 18, 2022
 9:22 AM
 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M108	X	-.025	-.025	0	%100
116	M108	Z	0	0	0	%100
117	EQUIP1C	X	-.501	-.501	0	%100
118	EQUIP1C	Z	0	0	0	%100
119	M119	X	-.025	-.025	0	%100
120	M119	Z	0	0	0	%100
121	M120	X	-.025	-.025	0	%100
122	M120	Z	0	0	0	%100
123	M121	X	-.025	-.025	0	%100
124	M121	Z	0	0	0	%100
125	M122	X	-.025	-.025	0	%100
126	M122	Z	0	0	0	%100
127	EQUIP2C	X	-.501	-.501	0	%100
128	EQUIP2C	Z	0	0	0	%100
129	MP1B	X	-.767	-.767	0	%100
130	MP1B	Z	0	0	0	%100
131	MP3B	X	-.634	-.634	0	%100
132	MP3B	Z	0	0	0	%100
133	MP2B	X	-.634	-.634	0	%100
134	MP2B	Z	0	0	0	%100
135	MP4B	X	-.634	-.634	0	%100
136	MP4B	Z	0	0	0	%100
137	M143	X	-.025	-.025	0	%100
138	M143	Z	0	0	0	%100
139	M144	X	-.025	-.025	0	%100
140	M144	Z	0	0	0	%100
141	M145	X	-.025	-.025	0	%100
142	M145	Z	0	0	0	%100
143	M146	X	-.025	-.025	0	%100
144	M146	Z	0	0	0	%100
145	EQUIP1B	X	-.501	-.501	0	%100
146	EQUIP1B	Z	0	0	0	%100
147	M157	X	-.025	-.025	0	%100
148	M157	Z	0	0	0	%100
149	M158	X	-.025	-.025	0	%100
150	M158	Z	0	0	0	%100
151	M159	X	-.025	-.025	0	%100
152	M159	Z	0	0	0	%100
153	M160	X	-.025	-.025	0	%100
154	M160	Z	0	0	0	%100
155	EQUIP2B	X	-.501	-.501	0	%100
156	EQUIP2B	Z	0	0	0	%100
157	M156A	X	-.668	-.668	0	%100
158	M156A	Z	0	0	0	%100
159	M157A	X	-.668	-.668	0	%100
160	M157A	Z	0	0	0	%100
161	M158A	X	-.668	-.668	0	%100
162	M158A	Z	0	0	0	%100
163	M159A	X	-.668	-.668	0	%100
164	M159A	Z	0	0	0	%100
165	M160A	X	-.668	-.668	0	%100
166	M160A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
167	M161	X	-.668	-.668	0	%100
168	M161	Z	0	0	0	%100
169	M186A	X	-.789	-.789	0	%100
170	M186A	Z	0	0	0	%100
171	M187	X	0	0	0	%100
172	M187	Z	0	0	0	%100
173	M188	X	-.789	-.789	0	%100
174	M188	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M40	X	-.137	-.137	0	%100
2	M40	Z	-.079	-.079	0	%100
3	M41	X	-.065	-.065	0	%100
4	M41	Z	-.038	-.038	0	%100
5	M42	X	-.065	-.065	0	%100
6	M42	Z	-.038	-.038	0	%100
7	M44	X	0	0	0	%100
8	M44	Z	0	0	0	%100
9	M45	X	0	0	0	%100
10	M45	Z	0	0	0	%100
11	M47	X	-.065	-.065	0	%100
12	M47	Z	-.038	-.038	0	%100
13	M48	X	-.065	-.065	0	%100
14	M48	Z	-.038	-.038	0	%100
15	M49	X	-.406	-.406	0	%100
16	M49	Z	-.234	-.234	0	%100
17	M50	X	-.406	-.406	0	%100
18	M50	Z	-.234	-.234	0	%100
19	M51	X	0	0	0	%100
20	M51	Z	0	0	0	%100
21	M52	X	-.137	-.137	0	%100
22	M52	Z	-.079	-.079	0	%100
23	M54	X	-.065	-.065	0	%100
24	M54	Z	-.038	-.038	0	%100
25	M57	X	0	0	0	%100
26	M57	Z	0	0	0	%100
27	M60	X	-.065	-.065	0	%100
28	M60	Z	-.038	-.038	0	%100
29	M61	X	-.406	-.406	0	%100
30	M61	Z	-.234	-.234	0	%100
31	M62	X	-.406	-.406	0	%100
32	M62	Z	-.234	-.234	0	%100
33	M63	X	0	0	0	%100
34	M63	Z	0	0	0	%100
35	M64	X	-.578	-.578	0	%100
36	M64	Z	-.334	-.334	0	%100
37	M65	X	-.578	-.578	0	%100
38	M65	Z	-.334	-.334	0	%100
39	M66	X	-.578	-.578	0	%100
40	M66	Z	-.334	-.334	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	M67	X	-.321	-.321	0 %100
42	M67	Z	-.186	-.186	0 %100
43	M68	X	-.321	-.321	0 %100
44	M68	Z	-.186	-.186	0 %100
45	M72	X	-.675	-.675	0 %100
46	M72	Z	-.389	-.389	0 %100
47	M73	X	-.675	-.675	0 %100
48	M73	Z	-.389	-.389	0 %100
49	M77	X	-.321	-.321	0 %100
50	M77	Z	-.186	-.186	0 %100
51	M78	X	-.321	-.321	0 %100
52	M78	Z	-.186	-.186	0 %100
53	M182	X	-.043	-.043	0 %100
54	M182	Z	-.025	-.025	0 %100
55	M185	X	-.043	-.043	0 %100
56	M185	Z	-.025	-.025	0 %100
57	M186	X	-.043	-.043	0 %100
58	M186	Z	-.025	-.025	0 %100
59	M189	X	-.043	-.043	0 %100
60	M189	Z	-.025	-.025	0 %100
61	M190	X	0	0	0 %100
62	M190	Z	0	0	0 %100
63	M193	X	0	0	0 %100
64	M193	Z	0	0	0 %100
65	M60B	X	-.137	-.137	0 %100
66	M60B	Z	-.079	-.079	0 %100
67	M61B	X	-.137	-.137	0 %100
68	M61B	Z	-.079	-.079	0 %100
69	M78A	X	-.549	-.549	0 %100
70	M78A	Z	-.317	-.317	0 %100
71	M79	X	-.549	-.549	0 %100
72	M79	Z	-.317	-.317	0 %100
73	MP1A	X	-.664	-.664	0 %100
74	MP1A	Z	-.383	-.383	0 %100
75	MP3A	X	-.549	-.549	0 %100
76	MP3A	Z	-.317	-.317	0 %100
77	MP2A	X	-.549	-.549	0 %100
78	MP2A	Z	-.317	-.317	0 %100
79	MP4A	X	-.549	-.549	0 %100
80	MP4A	Z	-.317	-.317	0 %100
81	M67A	X	-.066	-.066	0 %100
82	M67A	Z	-.038	-.038	0 %100
83	M68A	X	-.066	-.066	0 %100
84	M68A	Z	-.038	-.038	0 %100
85	M69A	X	-.066	-.066	0 %100
86	M69A	Z	-.038	-.038	0 %100
87	M70A	X	-.066	-.066	0 %100
88	M70A	Z	-.038	-.038	0 %100
89	EQUIP1A	X	-.434	-.434	0 %100
90	EQUIP1A	Z	-.251	-.251	0 %100
91	M81	X	-.066	-.066	0 %100
92	M81	Z	-.038	-.038	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
93	M82	X	-.066	-.066	0	%100
94	M82	Z	-.038	-.038	0	%100
95	M83	X	-.066	-.066	0	%100
96	M83	Z	-.038	-.038	0	%100
97	M84	X	-.066	-.066	0	%100
98	M84	Z	-.038	-.038	0	%100
99	EQUIP2A	X	-.434	-.434	0	%100
100	EQUIP2A	Z	-.251	-.251	0	%100
101	MP1C	X	-.664	-.664	0	%100
102	MP1C	Z	-.383	-.383	0	%100
103	MP3C	X	-.549	-.549	0	%100
104	MP3C	Z	-.317	-.317	0	%100
105	MP2C	X	-.549	-.549	0	%100
106	MP2C	Z	-.317	-.317	0	%100
107	MP4C	X	-.549	-.549	0	%100
108	MP4C	Z	-.317	-.317	0	%100
109	M105	X	-.066	-.066	0	%100
110	M105	Z	-.038	-.038	0	%100
111	M106	X	-.066	-.066	0	%100
112	M106	Z	-.038	-.038	0	%100
113	M107	X	-.066	-.066	0	%100
114	M107	Z	-.038	-.038	0	%100
115	M108	X	-.066	-.066	0	%100
116	M108	Z	-.038	-.038	0	%100
117	EQUIP1C	X	-.434	-.434	0	%100
118	EQUIP1C	Z	-.251	-.251	0	%100
119	M119	X	-.066	-.066	0	%100
120	M119	Z	-.038	-.038	0	%100
121	M120	X	-.066	-.066	0	%100
122	M120	Z	-.038	-.038	0	%100
123	M121	X	-.066	-.066	0	%100
124	M121	Z	-.038	-.038	0	%100
125	M122	X	-.066	-.066	0	%100
126	M122	Z	-.038	-.038	0	%100
127	EQUIP2C	X	-.434	-.434	0	%100
128	EQUIP2C	Z	-.251	-.251	0	%100
129	MP1B	X	-.664	-.664	0	%100
130	MP1B	Z	-.383	-.383	0	%100
131	MP3B	X	-.549	-.549	0	%100
132	MP3B	Z	-.317	-.317	0	%100
133	MP2B	X	-.549	-.549	0	%100
134	MP2B	Z	-.317	-.317	0	%100
135	MP4B	X	-.549	-.549	0	%100
136	MP4B	Z	-.317	-.317	0	%100
137	M143	X	0	0	0	%100
138	M143	Z	0	0	0	%100
139	M144	X	0	0	0	%100
140	M144	Z	0	0	0	%100
141	M145	X	0	0	0	%100
142	M145	Z	0	0	0	%100
143	M146	X	0	0	0	%100
144	M146	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
145	EQUIP1B	X	-.434	-.434	0	%100
146	EQUIP1B	Z	-.251	-.251	0	%100
147	M157	X	0	0	0	%100
148	M157	Z	0	0	0	%100
149	M158	X	0	0	0	%100
150	M158	Z	0	0	0	%100
151	M159	X	0	0	0	%100
152	M159	Z	0	0	0	%100
153	M160	X	0	0	0	%100
154	M160	Z	0	0	0	%100
155	EQUIP2B	X	-.434	-.434	0	%100
156	EQUIP2B	Z	-.251	-.251	0	%100
157	M156A	X	-.578	-.578	0	%100
158	M156A	Z	-.334	-.334	0	%100
159	M157A	X	-.578	-.578	0	%100
160	M157A	Z	-.334	-.334	0	%100
161	M158A	X	-.578	-.578	0	%100
162	M158A	Z	-.334	-.334	0	%100
163	M159A	X	-.578	-.578	0	%100
164	M159A	Z	-.334	-.334	0	%100
165	M160A	X	-.578	-.578	0	%100
166	M160A	Z	-.334	-.334	0	%100
167	M161	X	-.578	-.578	0	%100
168	M161	Z	-.334	-.334	0	%100
169	M186A	X	-.228	-.228	0	%100
170	M186A	Z	-.132	-.132	0	%100
171	M187	X	-.228	-.228	0	%100
172	M187	Z	-.132	-.132	0	%100
173	M188	X	-.911	-.911	0	%100
174	M188	Z	-.526	-.526	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M40	X	-.238	-.238	0	%100
2	M40	Z	-.412	-.412	0	%100
3	M41	X	-.013	-.013	0	%100
4	M41	Z	-.022	-.022	0	%100
5	M42	X	-.013	-.013	0	%100
6	M42	Z	-.022	-.022	0	%100
7	M44	X	-.013	-.013	0	%100
8	M44	Z	-.022	-.022	0	%100
9	M45	X	-.013	-.013	0	%100
10	M45	Z	-.022	-.022	0	%100
11	M47	X	-.05	-.05	0	%100
12	M47	Z	-.087	-.087	0	%100
13	M48	X	-.05	-.05	0	%100
14	M48	Z	-.087	-.087	0	%100
15	M49	X	-.078	-.078	0	%100
16	M49	Z	-.135	-.135	0	%100
17	M50	X	-.312	-.312	0	%100
18	M50	Z	-.541	-.541	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
71	M79	X	-.238	-.238	0 %100
72	M79	Z	-.412	-.412	0 %100
73	MP1A	X	-.383	-.383	0 %100
74	MP1A	Z	-.664	-.664	0 %100
75	MP3A	X	-.317	-.317	0 %100
76	MP3A	Z	-.549	-.549	0 %100
77	MP2A	X	-.317	-.317	0 %100
78	MP2A	Z	-.549	-.549	0 %100
79	MP4A	X	-.317	-.317	0 %100
80	MP4A	Z	-.549	-.549	0 %100
81	M67A	X	-.013	-.013	0 %100
82	M67A	Z	-.022	-.022	0 %100
83	M68A	X	-.013	-.013	0 %100
84	M68A	Z	-.022	-.022	0 %100
85	M69A	X	-.013	-.013	0 %100
86	M69A	Z	-.022	-.022	0 %100
87	M70A	X	-.013	-.013	0 %100
88	M70A	Z	-.022	-.022	0 %100
89	EQUIP1A	X	-.251	-.251	0 %100
90	EQUIP1A	Z	-.434	-.434	0 %100
91	M81	X	-.013	-.013	0 %100
92	M81	Z	-.022	-.022	0 %100
93	M82	X	-.013	-.013	0 %100
94	M82	Z	-.022	-.022	0 %100
95	M83	X	-.013	-.013	0 %100
96	M83	Z	-.022	-.022	0 %100
97	M84	X	-.013	-.013	0 %100
98	M84	Z	-.022	-.022	0 %100
99	EQUIP2A	X	-.251	-.251	0 %100
100	EQUIP2A	Z	-.434	-.434	0 %100
101	MP1C	X	-.383	-.383	0 %100
102	MP1C	Z	-.664	-.664	0 %100
103	MP3C	X	-.317	-.317	0 %100
104	MP3C	Z	-.549	-.549	0 %100
105	MP2C	X	-.317	-.317	0 %100
106	MP2C	Z	-.549	-.549	0 %100
107	MP4C	X	-.317	-.317	0 %100
108	MP4C	Z	-.549	-.549	0 %100
109	M105	X	-.051	-.051	0 %100
110	M105	Z	-.088	-.088	0 %100
111	M106	X	-.051	-.051	0 %100
112	M106	Z	-.088	-.088	0 %100
113	M107	X	-.051	-.051	0 %100
114	M107	Z	-.088	-.088	0 %100
115	M108	X	-.051	-.051	0 %100
116	M108	Z	-.088	-.088	0 %100
117	EQUIP1C	X	-.251	-.251	0 %100
118	EQUIP1C	Z	-.434	-.434	0 %100
119	M119	X	-.051	-.051	0 %100
120	M119	Z	-.088	-.088	0 %100
121	M120	X	-.051	-.051	0 %100
122	M120	Z	-.088	-.088	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
123	M121	X	-.051	-.051	0	%100
124	M121	Z	-.088	-.088	0	%100
125	M122	X	-.051	-.051	0	%100
126	M122	Z	-.088	-.088	0	%100
127	EQUIP2C	X	-.251	-.251	0	%100
128	EQUIP2C	Z	-.434	-.434	0	%100
129	MP1B	X	-.383	-.383	0	%100
130	MP1B	Z	-.664	-.664	0	%100
131	MP3B	X	-.317	-.317	0	%100
132	MP3B	Z	-.549	-.549	0	%100
133	MP2B	X	-.317	-.317	0	%100
134	MP2B	Z	-.549	-.549	0	%100
135	MP4B	X	-.317	-.317	0	%100
136	MP4B	Z	-.549	-.549	0	%100
137	M143	X	-.013	-.013	0	%100
138	M143	Z	-.022	-.022	0	%100
139	M144	X	-.013	-.013	0	%100
140	M144	Z	-.022	-.022	0	%100
141	M145	X	-.013	-.013	0	%100
142	M145	Z	-.022	-.022	0	%100
143	M146	X	-.013	-.013	0	%100
144	M146	Z	-.022	-.022	0	%100
145	EQUIP1B	X	-.251	-.251	0	%100
146	EQUIP1B	Z	-.434	-.434	0	%100
147	M157	X	-.013	-.013	0	%100
148	M157	Z	-.022	-.022	0	%100
149	M158	X	-.013	-.013	0	%100
150	M158	Z	-.022	-.022	0	%100
151	M159	X	-.013	-.013	0	%100
152	M159	Z	-.022	-.022	0	%100
153	M160	X	-.013	-.013	0	%100
154	M160	Z	-.022	-.022	0	%100
155	EQUIP2B	X	-.251	-.251	0	%100
156	EQUIP2B	Z	-.434	-.434	0	%100
157	M156A	X	-.334	-.334	0	%100
158	M156A	Z	-.578	-.578	0	%100
159	M157A	X	-.334	-.334	0	%100
160	M157A	Z	-.578	-.578	0	%100
161	M158A	X	-.334	-.334	0	%100
162	M158A	Z	-.578	-.578	0	%100
163	M159A	X	-.334	-.334	0	%100
164	M159A	Z	-.578	-.578	0	%100
165	M160A	X	-.334	-.334	0	%100
166	M160A	Z	-.578	-.578	0	%100
167	M161	X	-.334	-.334	0	%100
168	M161	Z	-.578	-.578	0	%100
169	M186A	X	0	0	0	%100
170	M186A	Z	0	0	0	%100
171	M187	X	-.395	-.395	0	%100
172	M187	Z	-.684	-.684	0	%100
173	M188	X	-.395	-.395	0	%100
174	M188	Z	-.684	-.684	0	%100



Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M40	Y	-11.164	-4.87	8.4	11.2
2	M40	Y	-4.87	.285	11.2	14
3	M49	Y	-2.208	-16.932	0	1.139
4	M49	Y	-16.932	-16.932	1.139	2.278
5	M49	Y	-16.932	-2.208	2.278	3.417
6	M40	Y	-.013	-.454	8.4	9.52
7	M40	Y	-.454	-1.097	9.52	10.64
8	M40	Y	-1.097	-1.164	10.64	11.76
9	M40	Y	-1.164	-.584	11.76	12.88
10	M40	Y	-.584	-.013	12.88	14
11	M49	Y	-10.093	-5.658	0	.342
12	M49	Y	-5.658	-4.134	.342	.683
13	M49	Y	-4.134	-3.09	.683	1.025
14	M49	Y	-3.09	-.565	1.025	1.367
15	M49	Y	-.565	.222	1.367	1.708
16	M50	Y	-5.046	-2.829	0	.342
17	M50	Y	-2.829	-2.067	.342	.683
18	M50	Y	-2.067	-1.545	.683	1.025
19	M50	Y	-1.545	-.282	1.025	1.367
20	M50	Y	-.282	.111	1.367	1.708
21	M182	Y	-2.385	-2.385	0	.167
22	M189	Y	-2.385	-2.385	0	.167
23	M60B	Y	-.035	-.371	7	8.12
24	M60B	Y	-.371	-.951	8.12	9.24
25	M60B	Y	-.951	-1.158	9.24	10.36
26	M60B	Y	-1.158	-.775	10.36	11.48
27	M60B	Y	-.775	-.081	11.48	12.6
28	M50	Y	-1.104	-8.467	0	1.139
29	M50	Y	-8.467	-8.467	1.139	2.278
30	M50	Y	-8.467	-1.104	2.278	3.417
31	M60B	Y	-6.515	-5.155	7	9.8
32	M60B	Y	-5.155	-3.795	9.8	12.6
33	M40	Y	-3.794	-5.155	1.4	4.2
34	M40	Y	-5.155	-6.515	4.2	7
35	M40	Y	-.081	-.775	1.4	2.52
36	M40	Y	-.775	-1.158	2.52	3.64
37	M40	Y	-1.158	-.951	3.64	4.76
38	M40	Y	-.951	-.371	4.76	5.88
39	M40	Y	-.371	-.035	5.88	7
40	M51	Y	-5.046	-2.829	0	.342
41	M51	Y	-2.829	-2.067	.342	.683
42	M51	Y	-2.067	-1.545	.683	1.025
43	M51	Y	-1.545	-.282	1.025	1.367
44	M51	Y	-.282	.111	1.367	1.708
45	M185	Y	-2.385	-2.385	0	.167
46	M190	Y	-2.385	-2.385	0	.167
47	M78A	Y	-.013	-.584	0	1.12
48	M78A	Y	-.584	-1.164	1.12	2.24
49	M78A	Y	-1.164	-1.097	2.24	3.36
50	M78A	Y	-1.097	-.454	3.36	4.48
51	M78A	Y	-.454	-.013	4.48	5.6
52	M51	Y	-1.104	-8.467	0	1.139



Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M51	Y	-8.467	-8.467	1.139	2.278
54	M51	Y	-8.467	-1.104	2.278	3.417
55	M78A	Y	.285	-4.87	0	2.8
56	M78A	Y	-4.87	-11.164	2.8	5.6
57	M51	Y	-4.153	-4.153	2.241	3.252
58	M78A	Y	-.149	-2.693	5.6	7
59	M78A	Y	-2.693	-4.807	7	8.4
60	M78A	Y	-4.807	-5.057	8.4	9.8
61	M78A	Y	-5.057	-3.688	9.8	11.2
62	M78A	Y	-3.688	-.149	11.2	12.6
63	M186	Y	-1.9	-1.9	0	.167
64	M193	Y	-1.9	-1.9	0	.167
65	M60B	Y	-1.983e-17	-.202	0	.7
66	M60B	Y	-.202	-.295	.7	1.4
67	M60B	Y	-.295	-.094	1.4	2.1
68	M60B	Y	-.094	-1.983e-17	2.1	2.8
69	M78A	Y	-.077	-.157	10.899	11.026
70	M78A	Y	-.157	-.237	11.026	11.154
71	M78A	Y	-.237	-.316	11.154	11.281
72	M78A	Y	-.316	-.395	11.281	11.409
73	M78A	Y	-.395	-.475	11.409	11.536
74	M78A	Y	-.475	-.554	11.536	11.663
75	M78A	Y	-.554	-.633	11.663	11.791
76	M78A	Y	-.633	-.712	11.791	11.918
77	M50	Y	-4.185	-4.185	2.247	3.25
78	M60B	Y	-.198	-2.459	0	1.4
79	M60B	Y	-2.459	-5.365	1.4	2.8
80	M60B	Y	-5.365	-5.63	2.8	4.2
81	M60B	Y	-5.63	-2.742	4.2	5.6
82	M60B	Y	-2.742	-.198	5.6	7
83	M50	Y	-7.279	-4.579	0	.478
84	M50	Y	-4.579	-2.733	.478	.957
85	M50	Y	-2.733	-2.576	.957	1.435
86	M50	Y	-2.576	-1.391	1.435	1.913
87	M50	Y	-1.391	.135	1.913	2.392
88	M51	Y	-6.286	-5.139	0	.478
89	M51	Y	-5.139	-3.248	.478	.957
90	M51	Y	-3.248	-2.451	.957	1.435
91	M51	Y	-2.451	-1.457	1.435	1.913
92	M51	Y	-1.457	.057	1.913	2.392

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M40	Y	-24.517	-10.694	8.4	11.2
2	M40	Y	-10.694	.626	11.2	14
3	M49	Y	-4.848	-37.183	0	1.139
4	M49	Y	-37.183	-37.182	1.139	2.278
5	M49	Y	-37.182	-4.848	2.278	3.417
6	M40	Y	-.028	-.997	8.4	9.52
7	M40	Y	-.997	-2.41	9.52	10.64
8	M40	Y	-2.41	-2.556	10.64	11.76

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
9	M40	Y	-2.556	-1.283	11.76	12.88
10	M40	Y	-1.283	-.028	12.88	14
11	M49	Y	-22.163	-12.424	0	.342
12	M49	Y	-12.424	-9.079	.342	.683
13	M49	Y	-9.079	-6.785	.683	1.025
14	M49	Y	-6.785	-1.241	1.025	1.367
15	M49	Y	-1.241	.487	1.367	1.708
16	M50	Y	-11.082	-6.212	0	.342
17	M50	Y	-6.212	-4.539	.342	.683
18	M50	Y	-4.539	-3.393	.683	1.025
19	M50	Y	-3.393	-.62	1.025	1.367
20	M50	Y	-.62	.243	1.367	1.708
21	M182	Y	-5.238	-5.238	0	.167
22	M189	Y	-5.238	-5.238	0	.167
23	M60B	Y	-.076	-.815	7	8.12
24	M60B	Y	-.815	-2.088	8.12	9.24
25	M60B	Y	-2.088	-2.542	9.24	10.36
26	M60B	Y	-2.542	-1.701	10.36	11.48
27	M60B	Y	-1.701	-.177	11.48	12.6
28	M50	Y	-2.424	-18.592	0	1.139
29	M50	Y	-18.592	-18.593	1.139	2.278
30	M50	Y	-18.593	-2.424	2.278	3.417
31	M60B	Y	-14.306	-11.319	7	9.8
32	M60B	Y	-11.319	-8.333	9.8	12.6
33	M40	Y	-8.332	-11.32	1.4	4.2
34	M40	Y	-11.32	-14.308	4.2	7
35	M40	Y	-.177	-1.701	1.4	2.52
36	M40	Y	-1.701	-2.542	2.52	3.64
37	M40	Y	-2.542	-2.088	3.64	4.76
38	M40	Y	-2.088	-.815	4.76	5.88
39	M40	Y	-.815	-.076	5.88	7
40	M51	Y	-11.082	-6.212	0	.342
41	M51	Y	-6.212	-4.539	.342	.683
42	M51	Y	-4.539	-3.393	.683	1.025
43	M51	Y	-3.393	-.62	1.025	1.367
44	M51	Y	-.62	.243	1.367	1.708
45	M185	Y	-5.238	-5.238	0	.167
46	M190	Y	-5.238	-5.238	0	.167
47	M78A	Y	-.028	-1.283	0	1.12
48	M78A	Y	-1.283	-2.556	1.12	2.24
49	M78A	Y	-2.556	-2.41	2.24	3.36
50	M78A	Y	-2.41	-.997	3.36	4.48
51	M78A	Y	-.997	-.028	4.48	5.6
52	M51	Y	-2.424	-18.592	0	1.139
53	M51	Y	-18.592	-18.593	1.139	2.278
54	M51	Y	-18.593	-2.424	2.278	3.417
55	M78A	Y	.625	-10.694	0	2.8
56	M78A	Y	-10.694	-24.515	2.8	5.6
57	M51	Y	-9.189	-9.189	2.247	3.25
58	M78A	Y	-.327	-5.913	5.6	7
59	M78A	Y	-5.913	-10.555	7	8.4
60	M78A	Y	-10.555	-11.105	8.4	9.8



Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M78A	Y	-11.105	-8.098	9.8	11.2
62	M78A	Y	-8.098	-.327	11.2	12.6
63	M50	Y	-9.189	-9.189	2.247	3.25
64	M60B	Y	-.434	-5.4	0	1.4
65	M60B	Y	-5.4	-11.781	1.4	2.8
66	M60B	Y	-11.781	-12.364	2.8	4.2
67	M60B	Y	-12.364	-6.02	4.2	5.6
68	M60B	Y	-6.02	-.434	5.6	7
69	M186	Y	-4.173	-4.173	0	.167
70	M193	Y	-4.173	-4.173	0	.167
71	M60B	Y	-7.93e-17	-.442	0	.7
72	M60B	Y	-.442	-.648	.7	1.4
73	M60B	Y	-.648	-.206	1.4	2.1
74	M60B	Y	-.206	-7.93e-17	2.1	2.8
75	M78A	Y	-.169	-.345	10.899	11.026
76	M78A	Y	-.345	-.52	11.026	11.154
77	M78A	Y	-.52	-.695	11.154	11.281
78	M78A	Y	-.695	-.868	11.281	11.409
79	M78A	Y	-.868	-1.042	11.409	11.536
80	M78A	Y	-1.042	-1.216	11.536	11.663
81	M78A	Y	-1.216	-1.389	11.663	11.791
82	M78A	Y	-1.389	-1.563	11.791	11.918
83	M50	Y	-15.985	-10.055	0	.478
84	M50	Y	-10.055	-6.001	.478	.957
85	M50	Y	-6.001	-5.658	.957	1.435
86	M50	Y	-5.658	-3.054	1.435	1.913
87	M50	Y	-3.054	.296	1.913	2.392
88	M51	Y	-13.803	-11.284	0	.478
89	M51	Y	-11.284	-7.133	.478	.957
90	M51	Y	-7.133	-5.382	.957	1.435
91	M51	Y	-5.382	-3.199	1.435	1.913
92	M51	Y	-3.199	.126	1.913	2.392

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N237	N223A	N16		Y	Two Way	-.005
2	N237	N16	N20	N237A	Y	Two Way	-.005
3	N237A	N20	N226		Y	Two Way	-.005
4	N235	N223A	N16		Y	Two Way	-.005
5	N235	N16	N18	N246	Y	Two Way	-.005
6	N246	N18	N229		Y	Two Way	-.005
7	N230	N222	N244	N229	Y	Two Way	-.005
8	N222	N244	N239		Y	Two Way	-.005
9	N222	N227	N226	N239	Y	Two Way	-.005
10	N230	N227	N20	N18	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N237	N223A	N16		Y	Two Way	-.011
2	N237	N16	N20	N237A	Y	Two Way	-.011



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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
3	N237A	N20	N226		Y	Two Way	-.011
4	N235	N223A	N16		Y	Two Way	-.011
5	N235	N16	N18	N246	Y	Two Way	-.011
6	N246	N18	N229		Y	Two Way	-.011
7	N229	N244	N222	N230	Y	Two Way	-.011
8	N226	N239	N222	N227	Y	Two Way	-.011
9	N222	N244	N239		Y	Two Way	-.011
10	N230	N227	N20	N18	Y	Two Way	-.011

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N237	N223A	N16		Y	Two Way	-.000206
2	N237	N16	N20	N237A	Y	Two Way	-.000206
3	N237A	N20	N226		Y	Two Way	-.000206
4	N235	N223A	N16		Y	Two Way	-.000206
5	N235	N16	N18	N246	Y	Two Way	-.000206
6	N246	N18	N229		Y	Two Way	-.000206
7	N230	N222	N244	N229	Y	Two Way	-.000206
8	N222	N244	N239		Y	Two Way	-.000206
9	N222	N227	N226	N239	Y	Two Way	-.000206
10	N230	N227	N20	N18	Y	Two Way	-.000206

Member Area Loads (BLC 85 : Structure Eh (0 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N237	N223A	N16		Z	Two Way	-.000774
2	N237	N16	N20	N237A	Z	Two Way	-.000774
3	N237A	N20	N226		Z	Two Way	-.000774
4	N235	N223A	N16		Z	Two Way	-.000774
5	N235	N16	N18	N246	Z	Two Way	-.000774
6	N246	N18	N229		Z	Two Way	-.000774
7	N230	N222	N244	N229	Z	Two Way	-.000774
8	N222	N244	N239		Z	Two Way	-.000774
9	N222	N227	N226	N239	Z	Two Way	-.000774
10	N230	N227	N20	N18	Z	Two Way	-.000774

Member Area Loads (BLC 86 : Structure Eh (90 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N237	N223A	N16		X	Two Way	.000774
2	N237	N16	N20	N237A	X	Two Way	.000774
3	N237A	N20	N226		X	Two Way	.000774
4	N235	N223A	N16		X	Two Way	.000774
5	N235	N16	N18	N246	X	Two Way	.000774
6	N246	N18	N229		X	Two Way	.000774
7	N230	N222	N244	N229	X	Two Way	.000774
8	N222	N244	N239		X	Two Way	.000774
9	N222	N227	N226	N239	X	Two Way	.000774
10	N230	N227	N20	N18	X	Two Way	.000774



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

Mar 18, 2022
 9:22 AM
 Checked By: _____

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

Mem...	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*...phi*...phi*...phi*...Cb Eqn
1	M40 PIPE...	.692	7.583	23	.518	7.583		24	501...321...1.8721.8721...H3...
2	M41 PL3/8...	.210	0	5	.072	0	y	6	324...334...2621.9141...H1...
3	M42 PL3/8...	.224	0	2	.083	0	y	2	324...334...2621.9141...H1...
4	M44 PL3/8...	.209	0	10	.072	0	y	10	324...334...2621.9141...H1...
5	M45 PL3/8...	.225	0	6	.109	0	y	50	324...334...2621.9141...H1...
6	M47 PL3/8...	.210	0	1	.071	0	y	2	324...334...2621.9141...H1...
7	M48 PL3/8...	.225	0	10	.083	0	y	10	324...334...2621.9141...H1...
8	M49 PIPE...	.618	0	11	.075	0		10	612...652...5.7495.7492...H1...
9	M50 PIPE...	.617	0	7	.075	0		6	612...652...5.7495.7492...H1...
10	M51 PIPE...	.619	0	3	.075	0		3	612...652...5.7495.7492...H1...
11	M52 PIPE...	.878	6.417	8	.532	6.417		18	193...321...1.8721.8722...H3...
12	M54 PL3/8...	.222	0	8	.119	0	y	7	324...334...2621.9141...H1...
13	M57 PL3/8...	.223	0	12	.119	0	y	11	324...334...2621.9141...H1...
14	M60 PL3/8...	.223	0	4	.118	0	y	3	324...334...2621.9141...H1...
15	M61 PIPE...	.711	0	5	.099	0		10	612...652...5.7495.7492...H1...
16	M62 PIPE...	.712	0	12	.101	0		6	612...652...5.7495.7492...H1...
17	M63 PIPE...	.713	0	9	.098	0		2	612...652...5.7495.7492...H1...
18	M64 L1.5x...	.339	2	8	.013	0	z	10	309...116...214 .37 1...H2...
19	M65 L1.5x...	.249	2.125	16	.010	0	z	4	309...116...214 .37 1...H2...
20	M66 L1.5x...	.217	2	10	.014	0	z	10	309...116...214 .37 1...H2...
21	M67 L1.75...	.342	3.64	7	.014	7.281	y	1	216...201...414.6851...H2...
22	M68 L1.75...	.343	3.64	7	.014	7.281	y	2	216...201...414.6851...H2...
23	M72 L1.75...	.342	3.64	11	.014	0	y	5	216...201...414.6851...H2...
24	M73 L1.75...	.343	3.64	11	.014	0	y	6	216...201...414.6851...H2...
25	M77 L1.75...	.342	3.64	3	.014	7.281	y	9	216...201...414.6851...H2...
26	M78 L1.75...	.343	3.64	3	.014	0	y	10	216...201...414.6851...H2...
27	M182 PL1/4...	.003	.167	22	.000	.167	z	24	155...162...084.6752...H1...
28	M185 PL1/4...	.003	.167	22	.000	.167	z	24	155...162...084.6752...H1...
29	M186 PL1/4...	.002	.167	24	.000	.167	z	24	155...162...084.6752...H1...
30	M189 PL1/4...	.003	.167	24	.000	.167	z	24	155...162...084.6752...H1...
31	M190 PL1/4...	.003	.167	20	.000	.167	z	24	155...162...084.6752...H1...
32	M193 PL1/4...	.002	.167	20	.000	.167	z	24	155...162...084.6752...H1...
33	M60B PIPE...	.668	6.417	19	.504	6.417		20	501...321...1.8721.8721...H3...
34	M61B PIPE...	.831	6.417	1	.520	6.417		14	193...321...1.8721.8721...H1...
35	M78A PIPE...	.682	6.417	15	.509	6.417		16	501...321...1.8721.8721...H3...
36	M79 PIPE...	.836	6.417	9	.521	6.417		22	193...321...1.8721.8721...H1...
37	MP1A PIPE...	.163	3.512	12	.139	5.331		5	376...507...3.5963.5961...H1...
38	MP3A PIPE...	.099	4.578	3	.079	4.578		3	208...321...1.8721.8721...H1...
39	MP2A PIPE...	.298	.627	21	.083	4.578		11	280...441...2.5312.5311...H1...
40	MP4A PIPE...	.151	5.331	47	.092	5.331		9	280...441...2.5312.5311...H1...
41	M67A SR_0.5	.443	.5	24	.305	.5		13	563...636...053.0531...H1...
42	M68A SR_0.5	.444	.5	24	.305	.5		24	563...636...053.0531...H1...
43	M69A SR_0.5	.431	.5	18	.294	.5		19	563...636...053.0531...H1...
44	M70A SR_0.5	.428	.5	18	.295	.5		18	563...636...053.0531...H1...
45	EQUI...PIPE...	.029	1.016	7	.044	.254		11	294...321...1.8721.872 1 H1...
46	M81 SR_0.5	.453	.5	16	.311	.5		24	563...636...053.0531...H1...
47	M82 SR_0.5	.452	.5	24	.311	.5		13	563...636...053.0531...H1...
48	M83 SR_0.5	.374	.5	18	.257	.5		18	563...636...053.0531...H1...
49	M84 SR_0.5	.378	.5	18	.255	.5		19	563...636...053.0531...H1...
50	EQUI...PIPE...	.029	1.016	7	.041	.254		5	294...321...1.8721.872 1 H1...
51	MP1C PIPE...	.159	3.512	8	.139	5.331		1	376...507...3.5963.5961...H1...



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

Mem...	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*...phi*...phi*...phi*...Cb Eqn
52	MP3C PIPE...	.099	4.578	11	.079	4.578		11	208...321...1.8721.8721...H1...
53	MP2C PIPE...	.291	4.578	20	.082	4.578		7	280...441...2.5312.5311...H1...
54	MP4C PIPE...	.080	5.331	18	.092	5.331		5	280...441...2.5312.5311...H1...
55	M105 SR_0.5	.443	.5	20	.305	.5		21	563...636...0.530.531...H1...
56	M106 SR_0.5	.443	.5	20	.305	.5		20	563...636...0.530.531...H1...
57	M107 SR_0.5	.431	.5	14	.294	.5		15	563...636...0.530.531...H1...
58	M108 SR_0.5	.428	.5	14	.295	.5		14	563...636...0.530.531...H1...
59	EQUI...PIPE...	.029	1.016	5	.044	.254		1	294...321...1.8721.8721...H1...
60	M119 SR_0.5	.451	.5	24	.310	.5		20	563...636...0.530.531...H1...
61	M120 SR_0.5	.450	.5	20	.310	.5		21	563...636...0.530.531...H1...
62	M121 SR_0.5	.376	.5	14	.258	.5		14	563...636...0.530.531...H1...
63	M122 SR_0.5	.379	.5	14	.256	.5		15	563...636...0.530.531...H1...
64	EQUI...PIPE...	.029	1.016	3	.041	.254		1	294...321...1.8721.8721...H1...
65	MP1B PIPE...	.163	3.512	4	.139	5.331		9	376...507...3.5963.5961...H1...
66	MP3B PIPE...	.099	4.578	7	.079	4.578		7	208...321...1.8721.8721...H1...
67	MP2B PIPE...	.292	.627	13	.086	4.578		3	280...441...2.5312.5311...H1...
68	MP4B PIPE...	.078	5.331	14	.092	5.331		1	280...441...2.5312.5311...H1...
69	M143 SR_0.5	.443	.5	16	.305	.5		17	563...636...0.530.531...H1...
70	M144 SR_0.5	.443	.5	16	.305	.5		16	563...636...0.530.531...H1...
71	M145 SR_0.5	.431	.5	22	.294	.5		23	563...636...0.530.531...H1...
72	M146 SR_0.5	.428	.5	22	.295	.5		22	563...636...0.530.531...H1...
73	EQUI...PIPE...	.029	1.016	11	.043	.254		9	294...321...1.8721.8721...H1...
74	M157 SR_0.5	.452	.5	20	.311	.5		16	563...636...0.530.531...H1...
75	M158 SR_0.5	.451	.5	15	.310	.5		17	563...636...0.530.531...H1...
76	M159 SR_0.5	.375	.5	21	.257	.5		22	563...636...0.530.531...H1...
77	M160 SR_0.5	.379	.5	21	.256	.5		23	563...636...0.530.531...H1...
78	EQUI...PIPE...	.029	1.016	9	.042	.254		9	294...321...1.8721.8721...H1...
79	M156AL1.5x...	.338	2	4	.013	4	z	12	309...116...214.371...H2...
80	M157AL1.5x...	.244	2.125	24	.010	4	z	12	309...116...214.371...H2...
81	M158AL1.5x...	.216	2	6	.014	4	z	6	309...116...214.371...H2...
82	M159AL1.5x...	.339	2	12	.013	0	z	8	309...116...214.371...H2...
83	M160AL1.5x...	.250	2.125	20	.010	0	z	8	309...116...214.371...H2...
84	M161 L1.5x...	.215	2	2	.014	0	z	2	309...116...214.371...H2...
85	M186AL3X3...	.308	3.072	4	.017	0	y	5	378...466...1.6883.7561...H2...
86	M187 L3X3...	.307	3.072	8	.016	0	y	9	378...466...1.6883.7561...H2...
87	M188 L3X3...	.309	3.072	12	.017	0	y	1	378...466...1.6883.7561.5H2...

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	N16	max	1352.245	10	1346.623	13	637.68	1	-1.158	2	3.337	11	.125	25
2		min	-1335.625	4	476.798	7	-350.972	7	-3.267	13	-3.295	5	-.152	43
3	N18	max	748.296	9	1292.73	17	1119.802	1	1.574	18	3.357	3	-.624	30
4		min	-1000.61	3	314.183	35	-1238.036	7	.352	29	-3.29	9	-2.757	17
5	N20	max	916.809	11	1287.646	21	1197.422	1	1.576	20	3.343	7	2.745	21
6		min	-683.358	5	360.511	50	-1345.812	7	.425	50	-3.321	1	.735	50
7	N38	max	1799.379	10	1259.163	19	1142.246	1	-1.079	1	3.868	11	.096	30
8		min	-1819.883	4	408.333	1	-1364.867	7	-3.234	13	-3.887	4	-.173	48
9	N40	max	1618.555	10	1232.94	22	1751.018	1	1.608	18	3.865	3	-.609	29
10		min	-1421.808	4	287.633	29	-1667.549	7	.35	29	-3.903	8	-2.725	17
11	N42	max	1374.114	10	1230.759	15	1887.348	1	1.537	19	3.91	6	2.758	21



Company : Maser Consulting
 Designer :
 Job Number : Project No. 10129647
 Model Name : 469431-VZW_MT_LO_H

Mar 18, 2022
 9:22 AM
 Checked By: _____

Envelope Joint Reactions (Continued)

Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
12	min	-1548.45	4	338.918	50	-1768.276	7	.417	45	-3.918	12	.732	50
13	Totals: max	7736.054	10	7614.273	17	7735.516	1						
14	min	-7736.053	4	2794.811	5	-7735.512	7						

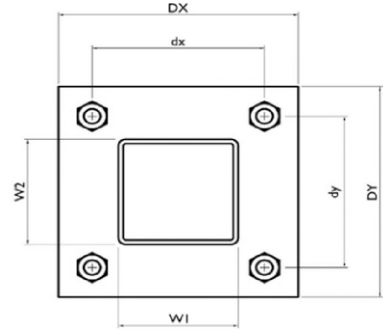
I. Mount-to-Tower Connection Check

Custom Orientation Required

Tower Connection Bolt Checks

Bolt Orientation

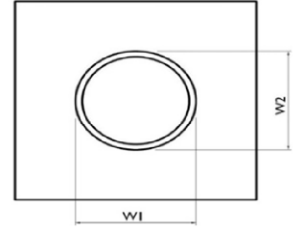
Bolt Quantity per Reaction:	4
d_x (in) (Delta X of typ. bolt config. sketch):	9
d_y (in) (Delta Y of typ. bolt config. sketch):	4
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	5.7
Required Shear Strength / bolt (kips):	0.4
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	27.4%



Tower Connection Weld Checks

Weld Shape:
 Weld Stiffener Configuration:
 Stiffener Notch Length, n (in):
 Weld Size (1/16 in):
 W1 = Diameter (in):
 W2 = Diameter (in):
 Weld Total Length (in):
 Z_x (in³/in):
 Z_y (in³/in):
 J_p (in⁴/in):
 c_x (in)
 c_y (in)
 Required combined strength (kip/in):
 Weld Capacity (kip/in):
 Weld Utilization:

Yes
Circle
None
0
5
3.5
3.5
11.00
9.62
9.62
33.67
1.93
1.93
4.53
6.96
65.0%



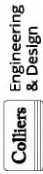


MOUNT MODIFICATION DRAWINGS EXISTING 14.00' PLATFORM

TOWER OWNER: N/A
TOWER OWNER SITE NUMBER: N/A
CARRIER SITE NAME: GROTON CT
CARRIER SITE NUMBER: 469431
FUZE ID: 16242098

68 GROTON LONG POINT
GROTON, CT 06340
NEW LONDON COUNTY

LATITUDE: 41.343556° N
LONGITUDE: 72.009667° W



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PROJECT NUMBER: 217772A

REV	DATE	DESCRIPTION	BY	CHK
1	08/11/2022	ISSUED FOR PERMIT	PA	DA
2	08/11/2022	ISSUED FOR PERMIT	PA	DA
3	08/11/2022	ISSUED FOR PERMIT	PA	DA
4	08/11/2022	ISSUED FOR PERMIT	PA	DA
5	08/11/2022	ISSUED FOR PERMIT	PA	DA

Deal Shift

SHEET	DESCRIPTION
ST-1	TITLE SHEET
80M-1	BILL OF MATERIALS
SCN-1	GENERAL NOTES
SCF-1	CLIMBING FACILITY DETAIL
SS-1	MODIFICATION DETAILS
SS-2	MOUNT PHOTOS
	SPECIFICATION SHEETS

APPLICANT/LESSEE
COMPANY: VERIZON WIRELESS
CLIENT REPRESENTATIVE
COMPANY: VERIZON WIRELESS
PROJECT MANAGER
CONTACT: PETER ALBRANO
PHONE: 856.797.0412
E-MAIL: PETER.ALBRANO@COLLIERSENGINEERING.COM

DESIGN CRITERIA
WIND LOADS
BASIC WIND SPEED (3 SECOND GUST), V = 140 MPH
EXPOSURE CATEGORY: C
TOPOGRAPHIC CATEGORY: I
MEAN BASE ELEVATION (MSL) = 161.46'
ICE LOADS
ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS = 1.00 IN
SEISMIC LOADS
SEISMIC DESIGN CATEGORY: C
SHORT TERM PEAK GROUND MOTION, S ₁ = 186
LONG TERM PEAK GROUND MOTION, S ₂ = 0.02

PROJECT INFORMATION
CONTRACTOR PMI REQUIREMENTS
PHI LOCATION: HTTPS://PHILVZWSMART.COM
SMART TOOL PROJECT #: 10129447
NZW LOCATION CODE (RLC): 469431
ANALYSIS DATE: 03/16/2022
PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX	
ST-1	TITLE SHEET
80M-1	BILL OF MATERIALS
SCN-1	GENERAL NOTES
SCF-1	CLIMBING FACILITY DETAIL
SS-1	MODIFICATION DETAILS
SS-2	MOUNT PHOTOS
	SPECIFICATION SHEETS

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NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
6		VZWSMART-MSK1	CROSSOVER PLATE		14	84
1		VZWSMART-PLK2	PLATEFORM SUPPORT RAIL MODIFICATION BRACING	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET SGN-1.	211	211
3	VZWSMART	VZWSMART-P40-27BX072	72" LONG PIPE 2 1/2 SCH40 (2.875" O.D X 0.203" THK)		35	105

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)	
						TOTAL:	400

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AS SHOWN	QUANTITY	2177726A
1	SYMBOL	DESCRIPTION
2	SYMBOL	DESCRIPTION
3	SYMBOL	DESCRIPTION
4	SYMBOL	DESCRIPTION
5	SYMBOL	DESCRIPTION
6	SYMBOL	DESCRIPTION
7	SYMBOL	DESCRIPTION
8	SYMBOL	DESCRIPTION
9	SYMBOL	DESCRIPTION
10	SYMBOL	DESCRIPTION



UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE REGISTERED PROFESSIONAL ENGINEER, THESE INDIVIDUALS ARE NOT TO BE HELD RESPONSIBLE FOR THE DESIGN.

SITE NAME:
GROTON CT
469431
68 GROTON LONG POINT
GROTON CT 06340
NEW LONDON COUNTY

Colliers Engineering & Design
STATE LICENSE
Professional Engineer
DAVID H. TIETZE
LICENSE NO. 37270
CONNECTIONS: 2018.03.08/09/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100

BILL OF MATERIALS

PROJECT: SBOM-1

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE	
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM
METROSITE FABRICATORS, LLC	
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM
PERFECTVISION	
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSALES@PERFECT-VISION.COM
SABRE INDUSTRIES, INC.	
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRETOOLSOLUTIONS.COM
SITE PRO 1	
CONTACT	PAULA BOSWELL
PHONE	(971) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEROI.COM

- NOTES:**
- THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.
 - ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.

PROJECT NOTES

- SEE MODIFICATION NOTES
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER REGULATING GOVERNING AUTHORITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL STATE, COUNTY OR MUNICIPAL AUTHORITIES.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES ON THE PROJECT. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF THE CONSTRUCTION OF THE FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND THE MANUFACTURER'S RECOMMENDATIONS.
- THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS OF EXISTING STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL VERIFY THE EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE OBSERVED. EQUIPMENT SHOULD BE SHUT DOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL PROTECTIVE EQUIPMENT (PPE) MUST BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
- NO NOISE, SMOKE, DUST OR ODOOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
- THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

- THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GENERAL PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-223-H MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING UTILITIES AND STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK. ORDERING MATERIAL AND PREPARING OF SHOP DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND THE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATION, NOTIFY THE ENGINEER IMMEDIATELY.
- IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE DRAWINGS SHALL BE PERFORMED BY A QUALIFIED WORKER WITH TOWER CONSTRUCTION EXPERIENCE.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
- ALL CONSTRUCTION MEANS AND METHODS, INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF THE FACILITY. THE CONTRACTOR SHALL MEET ALL TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND COMPLETING ALL MODIFICATION PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
- WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS WITH WINDS LESS THAN 30 MPH. THE STRUCTURES SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS SHALL BE REMOVED IMMEDIATELY AFTER THE CONSTRUCTION OF THE STRUCTURE'S PROPERTY AFTER THEIR USE.
- ALL INSTALLATIONS PERFORMED ON THE STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
- CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOPRAC, GROUNDING, AND OTHER ITEMS SHALL BE REPAIRED TO ORIGINAL CONDITION. APPROVAL REQUIRED TO ACHIEVE OWNER APPROVAL POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
- CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
- DO NOT SCALE DRAWINGS.
- DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
- ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. MATERIALS SHALL BE STORED AND PROTECTED TO PREVENT ALTERED SIZE AND/OR STRENGTHS. MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
- THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

- DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
 - SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
 - ASC CODE OF STANDARD PRACTICE
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:
 - CHANNELS, ANGLES, PLATES, ETC. ASTM A36 (GR 36)
 - STEEL PIPE ASTM A53 (GR 35)
 - BOLTS ASTM A325
 - NUTS ASTM A363
 - LOCKING STRUCTURAL GRADE BOLTS
- ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES BETWEEN THE SUBSTITUTE AND ORIGINAL DESIGN CRITERIA, INCLUDING BUT NOT LIMITED TO, ESTIMATES OF COSTS, WEIGHTS, ASSOCIATED WITH THE SUBSTITUTION (INCLUDING REDISIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
- PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
 - SUBMIT SHOP DRAWINGS TO PETER ALBANO@COLLIERENGINEERING.COM
- PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL
- DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
- GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
- ALL NEW STEEL SHALL BE HOT DIP GALVANIZED FOR FULL WEATHER PROTECTION. EXISTING STRUCTURAL STEEL SHALL BE PAIRED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
- CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).
- ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-223-H SECTION 4.9.2 REQUIREMENTS.
- WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
- FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING DISTANCE AND SPACING.

- ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE MEMBER AND TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
- GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
- ALL EXISTING PAINTED GALVANIZED SURFACES, DAMAGED DURING REPAIRS INCLUDING AREAS UNDER STRENGTHENING PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
- ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

WELDING NOTES

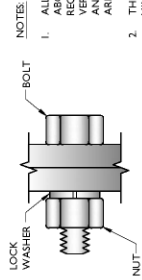
- ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTOR (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
- CONTRACTOR IS RESPONSIBLE FOR COMPLETING A THIRD PARTY INSPECTION REPORT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
- THE CERTIFIED WELD INSPECTOR SHALL INDICATE IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH THE EXCEPTION OF ANY WELDING OPERATIONS THAT REQUIRE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTIONS, DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
- IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
- OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED.
- ALL CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
- CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.
- CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSE A10.48, ANSI Z89.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

BOLT SCHEDULE (IN.)

BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 1 1/16	7/8	1 1/2
5/8	1 1/16	1 1/16 x 7/8	1 1/8	1 7/8
3/4	1 3/16	1 3/16 x 1	1 1/4	2 1/4
7/8	1 5/16	1 5/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 5/16	1 3/4	3

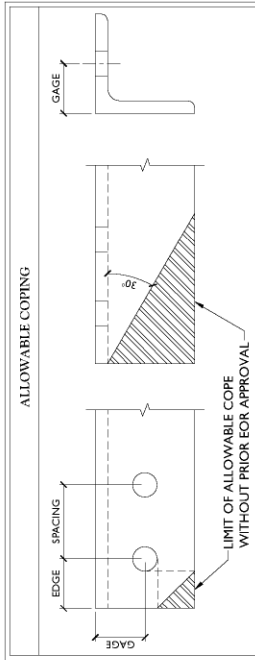
WORKABLE GAGES (IN.)

LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

- NOTES:**
- ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
 - THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS MAY VARY WITHIN THE DIMENSIONS FROM THE AISC MINIMUM REQUIREMENTS.
 - SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS.
 - MATCH EXISTING GAGES, WHEN APPLICABLE UNLESS MINIMUM DISTANCES ARE COMPROMISED.



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CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL STATE, COUNTY OR MUNICIPAL AUTHORITIES.

NO.	AS SHOWN	BY	DATE	DESCRIPTION
1	AS SHOWN	DATE	DESCRIPTION	
2	AS SHOWN	DATE	DESCRIPTION	
3	AS SHOWN	DATE	DESCRIPTION	
4	AS SHOWN	DATE	DESCRIPTION	
5	AS SHOWN	DATE	DESCRIPTION	

Deal Shift

Caltran Engineering & Design
68 GROTON LONG POINT CT
NEW LONDON COUNTY

MODIFICATION NOTES
SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

NO.	SYMBOL	DESCRIPTION	DATE
1	SYMBOL	DESCRIPTION	DATE
2	SYMBOL	DESCRIPTION	DATE
3	SYMBOL	DESCRIPTION	DATE
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10	SYMBOL	DESCRIPTION	DATE

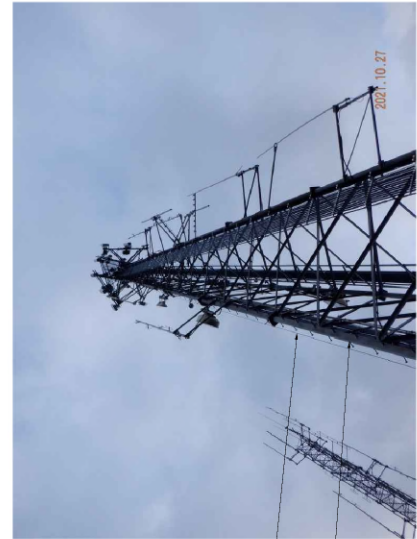
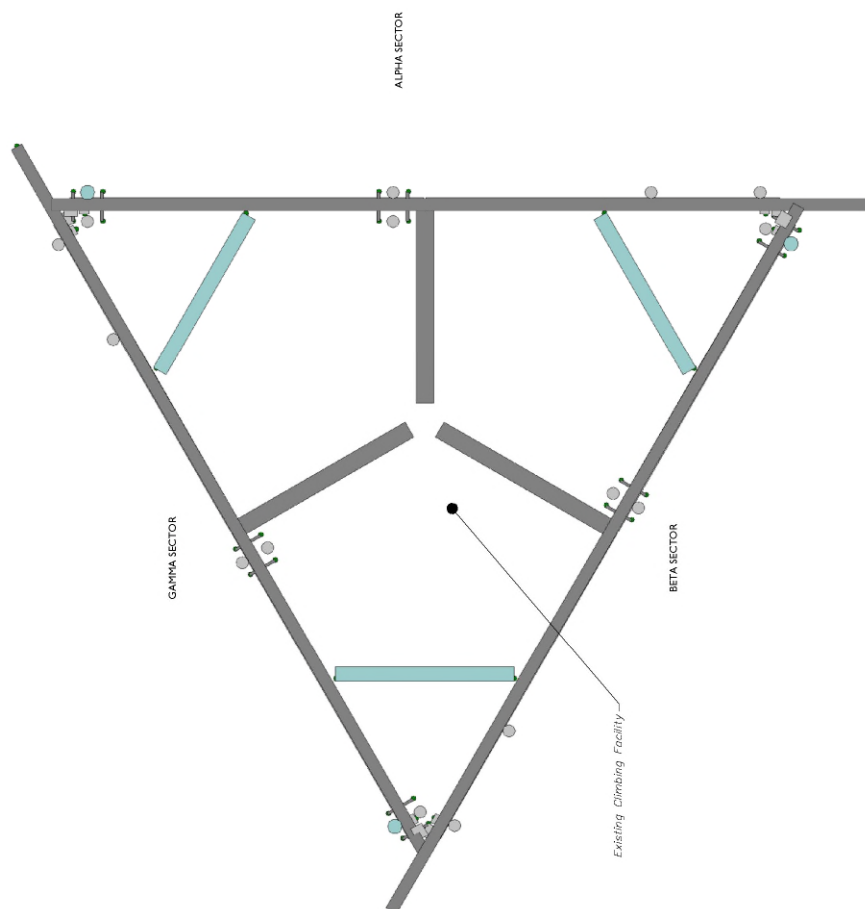
UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE ENGINEER OR PROFESSIONAL ENGINEER UNDER THEIR JURISDICTION.

Deal Shift

SITE NAME:
 GROTON CT
 469431
 68 GROTON LONG POINT
 GROTON CT
 NEW LONDON COUNTY

Colliers Engineering & Design
 272 MAIN STREET
 GROTON CT 06340
 PHONE: 781.333.0000
 WWW.COLLIERSENGINEERING.COM

PROJECT:
 CLIMBING FACILITY DETAIL
 SHEET NUMBER:
 SCF-1



Existing Safety Climb
 Existing Climbing Facility

CLIMBING FACILITY PHOTO

CLIMBING FACILITY LOCATION
 SCALE: N.T.S.

- STRUCTURAL NOTES:
- PER THE MOUNT MAPPING COMPLETED BY RKS DESIGN & ENGINEERING, LLC ON 10/27/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (142'-6") ARE IN GOOD CONDITION. MASER CONSULTING DOES NOT WARRANT THIS INFORMATION.
 - INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

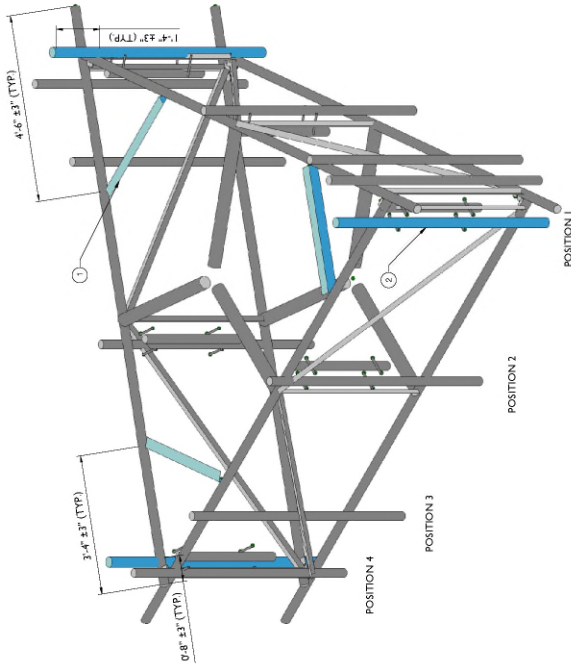
MOUNT MODIFICATION SCHEDULE				NOTES
NO.	ELEVATION	QUANTITY	DESCRIPTION	
1		1	PROPOSED PLATFORM SUPPORT RAIL BRACING (PART #: VZWSMART-PLK2)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.
2	142'-6"	3	PROPOSED 72" LONG, P2 1/2 STD PART #: VZWSMART-IP40-278X072)	REMOVE THE EXISTING PIPE FROM POSITION 1 OF EACH SECTOR. CONNECT THE NEW MOUNT PIPE TO EXISTING HORIZONTALS IN THE SAME POSITION WITH CROSSOVER PLATES (VZWSMART-MSK1). RECONNECT THE EXISTING EQUIPMENT PIPE TO THE BACK OF THE PROPOSED PIPE USING EXISTING PIPE TO PIPE HARDWARE IN THE SAME POSITION.

NOTES:

MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.

LEGEND:

- PROPOSED
- RELOCATED
- EXISTING



PROPOSED ISOMETRIC VIEW

SCALE: N.T.S.

NO.	AS SHOWN	QUANTITY	DESCRIPTION	UNIT
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Deal Shift

REGISTERED PROFESSIONAL ENGINEER
 STATE OF CONNECTICUT
 LICENSE NO. 21777ZAA
 EXPIRES 12/31/2024

UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE ENGINEER OR PROFESSIONAL ENGINEER IN CHARGE OF THE PROJECT, ENGINEERS SHALL NOT BE RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF THE PROJECT.

SITE NAME:
 GROTON CT
 469431
 68 GROTON LONG POINT
 GROTON CT 06340
 NEW LONDON COUNTY

Colliers
 Engineering & Design
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MODIFICATION DETAILS
 SHEET TITLE
 SHEET NUMBER: SS-1

NO.	AS SHOWN	REVISIONS	DATE
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Deal Shift

STATE OF CONNECTICUT
REGISTERED PROFESSIONAL ENGINEER
No. 3740
EXPIRES 12/31/2021

CONSENTED BY: [Signature]
DATE: 10/27/2021

UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF THE ENGINEER IN CHARGE OF PROFESSIONAL
ENGINEERING SERVICES FOR THIS PROJECT.

SITE NAME:
GROTON CT
469431
68 GROTON LONG POINT
GROTON CT 06340
NEW LONDON COUNTY

Colliers
Engineering & Design
1000 STATE STREET
SUITE 200
GROTON, CT 06340
PHONE: 781.333.8000
WWW.COLLIERSENGINEERING.COM

MOUNT PHOTOS
SHEET TITLE
SHEET NUMBER



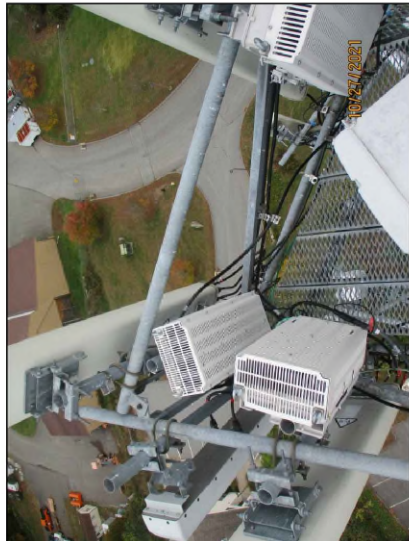
MOUNT PHOTO 2



MOUNT PHOTO 4



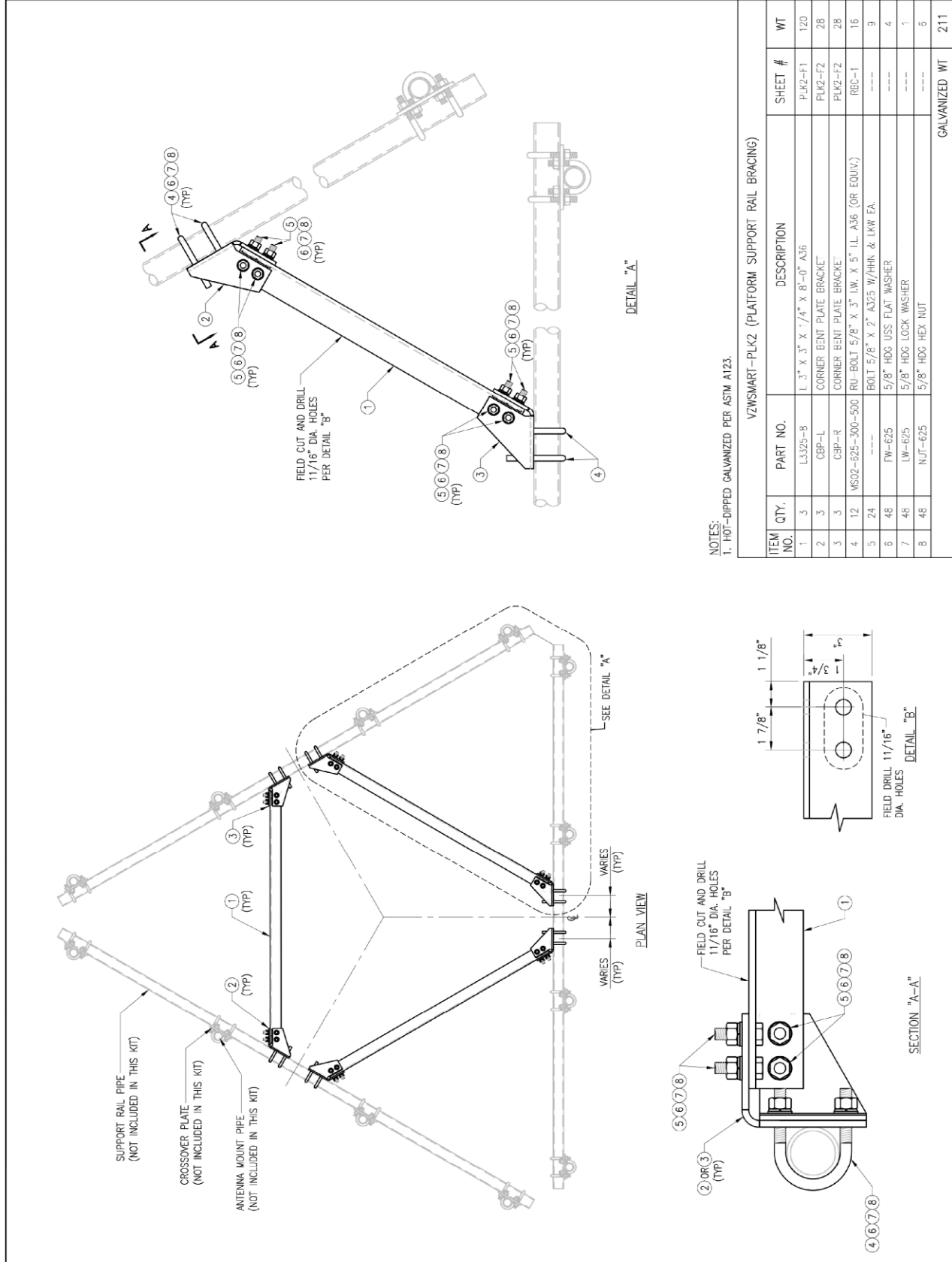
MOUNT PHOTO 1



MOUNT PHOTO 3

DRAWN BY: CH/HR	CHECKED BY: HMA/XW
REV. DESCRIPTION	BY DATE
1. FIRST ISSUE	CH/HR 05/08/20

SHEET TITLE: VZWSMART-PLK2 PLATFORM SUPPORT RAIL KIT
SHEET NUMBER: VZWSMART-PLK2
REV.#: 0

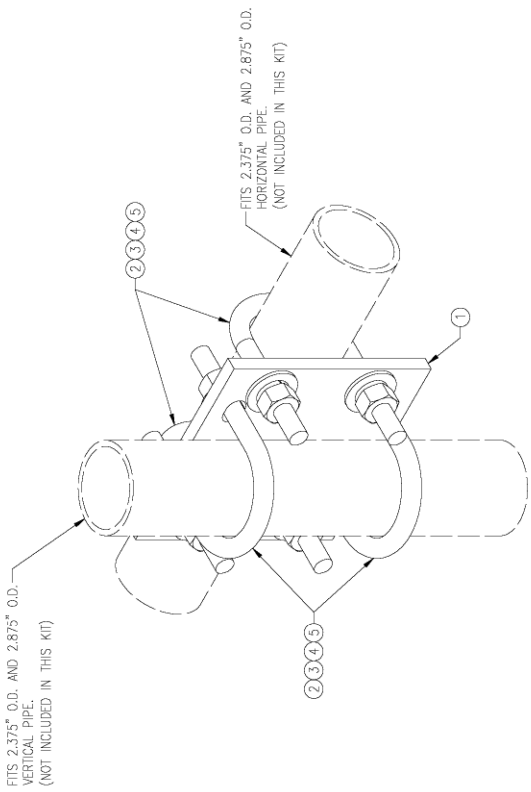
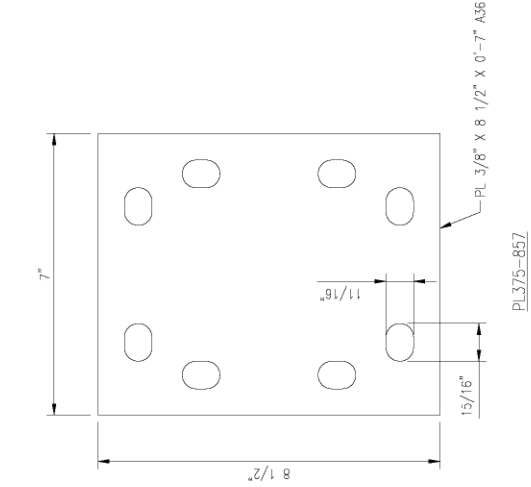


NOTES:
 1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK2 (PLATFORM SUPPORT RAIL BRACING)						
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT	
1	3	L3325-8	1.3" X 3" X 7/4" X 8'-0" A36	PLK2-F1	120	
2	3	CBP-L	CORNER BENT PLATE BRACKET	PLK2-F2	28	
3	3	CBP-R	CORNER BENT PLATE BRACKET	PLK2-F2	28	
4	12	WS02-625-300-500	RU-BOLT 5/8" X 3" LW X 5" I.L. A36 (OR EQUIV.)	REC-1	16	
5	24	---	BOLT 5/8" X 2" A325 W/HHN & LKW EA.	---	9	
6	48	FW-625	5/8" HDG USS FLAT WASHER	---	4	
7	48	LW-625	5/8" HDG LOCK WASHER	---	1	
8	48	NUT-625	5/8" HDG HEX NUT	---	8	
					GALVANIZED WT	211

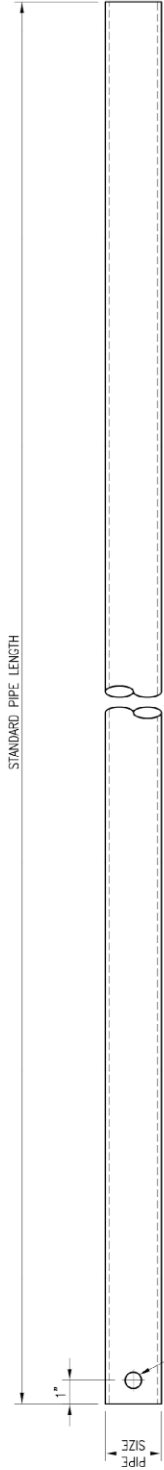
DRAWN BY: H.R.	CHECKED BY: HMA
REV. DESCRIPTION	BY DATE
△ FIRST ISSUE	H.R. 05/08/20
△	
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SHEET TITLE:	
VZWSMART-MSK1	
CROSSOVER PLATE	
SHEET NUMBER:	REV #:
VZWSMART-MSK1	0



ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RJ-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDC USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDC LOCK WASHER	---	0
5	8	NUT-625	5/8" HDC HEX NUT	---	1
				GALVANIZED WT	1.4

NOTES:
 1. HOT-DIPPED GALVANIZED PER ASTM A123.



SEE NOTE "3" & "4"
 (TYP)

VZWSMART Standard Pipe		
VZWSMART Number	Size	Length
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

NOTE:
 APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE, AT THEIR DISCRETION
 PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE.
 SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

- NOTES:**
1. ALL PIPE GRADE A53-B OR BETTER.
 2. HOT-DIPPED GALVANIZED PER ASTM A123.
 3. ALL HOLES ARE 1/16" DIA. U.N.O.
 4. HOLES MAY OR MAY NOT BE PRESENT. DEPEND UPON MANUFACTURE DISCRETION.
 5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINCA OR ZINC COE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

DRAWN BY: BT	CHECKED BY: HMA/JW
REV. DESCRIPTION	BY DATE
1. FIRST ISSUE	BT 08/04/21
△	
△	
△	

SHEET TITLE:
 VZWSMART
 STANDARD PIPE

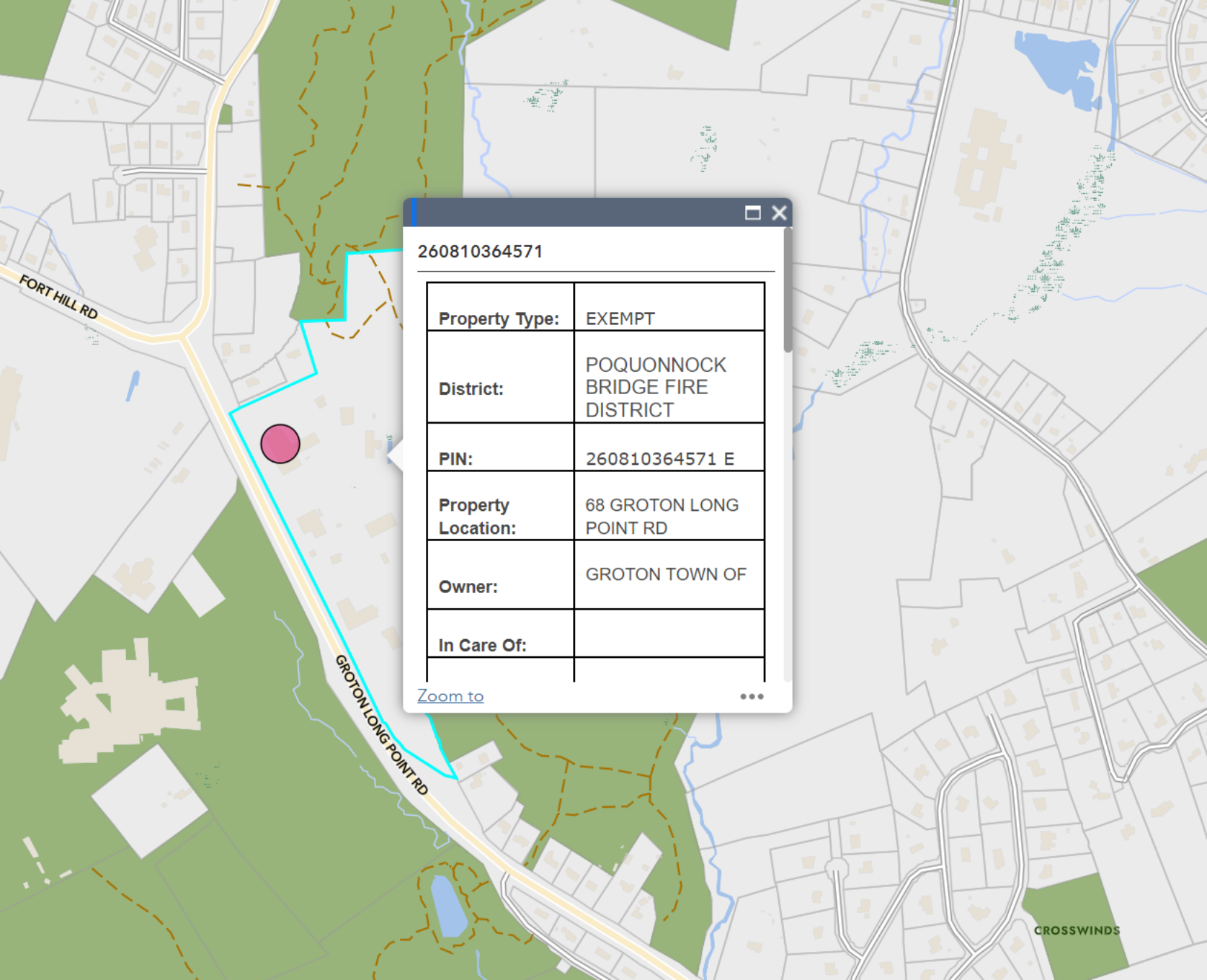
SHEET NUMBER: VZWSMART-PIPE	REV #: 0
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ATTACHMENT 5

260810364571

Property Type:	EXEMPT
District:	POQUONNOCK BRIDGE FIRE DISTRICT
PIN:	260810364571 E
Property Location:	68 GROTON LONG POINT RD
Owner:	GROTON TOWN OF
In Care Of:	

[Zoom to](#)



Commercial Property Card

Print Date: 6/8/2022

Card 1 of 9

<<Back Next>>

Account	Location	Zoning	Deed Book/Page	Acres
260810364571 E	68 GROTON LONG POINT RD	RS-20	142/151	28.74
District	Use Code			
POQUONNOCK BRIDGE	MUNICIPALITIES			

Current Owner

GROTON TOWN OF
POLICE/PUBLIC WORKS/TOWN HALL ANNEX
COMPLEX
GROTON CT 06340

Property Picture



Building Information

Building No:	1
Year Built:	1975
No of Units:	1
Structure Type:	POLICE/FIRE STATION
Building Total Area:	39386 sqft.
Grade:	C+
Identical Units:	1

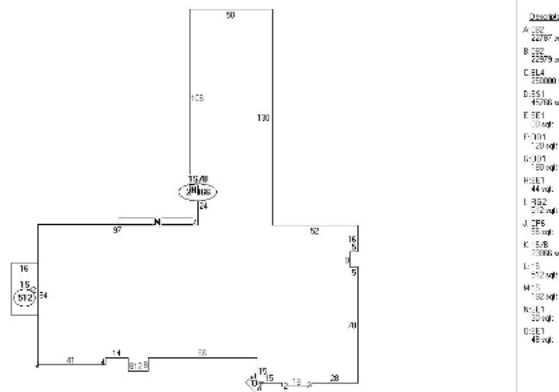
Valuation

Land:	\$1,912,800
Building:	\$8,821,300
Total:	\$10,734,100
Total Assessed Value:	\$7,513,870

Recent Sales

Book/Page	Date	Price
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Building Sketch



Sketch Legend

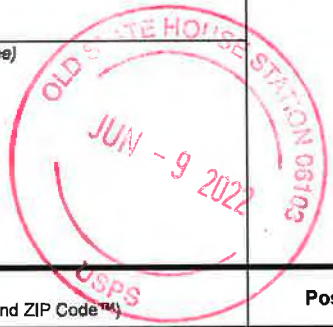
----	Main Living Area	LSMA	Masonry	GRHS	Attached Greenhouse
1FR	Frame	OMP	Open Masonry Porch	CAT	Cathedral Ceiling
OFF	Open Frame Porch	EMP	Enclosed Msry Porch	SOP	Screen Open Frame Prch
EFP	Enclosed Frame Porch	MUB	Masonry Utility	SMP	Screen Open Msry Prch
FUB	Frame Utility Building	MB	Masonry Bay	CPAT	Concrete Patio
FB	Frame Bay	MOH	Masonry Overhang	B	Basement
FG	Frame Garage	.SMA	1/2 Story Masonry		
FOH	Frame Overhang	MP	Masonry Patio		
.SFR	1/2 Story Frame	WD	Wood Deck		
A(U)	Attic (Unfinished)	CPY	Canopy		

ATTACHMENT 6



GROTON 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 <i>2</i>	TOTAL NO. of Pieces Received at Post Office™ <i>2</i>	Affix Stamp Here <i>Postmark with Date of Receipt.</i>		
	Postmaster, per (name of receiving employee) <i>[Signature]</i>				



USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	John Burt, Town Manager Town of Groton 45 Fort Hill Road Groton, CT 06340				
2.	Jonathan Reiner, Director of Planning Town of Groton 45 Fort Hill Road Groton, CT 06340				
3.					
4.					
5.					
6.					