

KENNETH C. BALDWIN

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Also admitted in Massachusetts
and New York

December 21, 2022

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification
162 Birdseye Road, Shelton, Connecticut**

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains an existing wireless telecommunications facility at the above-referenced property address (the “Property”). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The original tower was approved by the City of Shelton (“City”) in October of 2000. Cellco’s shared use of the tower was approved by the Siting Council in June of 2000 (TS-BAM-148-000607). A copy of the City’s original tower approval and Cellco’s tower share approval are included in Attachment 1.

Cellco now intends to modify its facility by removing twelve (12) antennas and installing six (6) new MX06FRO660-03 antennas and three (3) new Samsung MT6407-77A antennas. Cellco also intends to remove six (6) remote radio heads (“RRHs”) and install six (6) new RRHs. A set of project plans showing Cellco’s proposed facility modifications and the new antennas and RRHs specifications are included in Attachment 2.

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

Melanie A. Bachman, Esq.
December 21, 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. Cellco's new antennas and RRHs will be installed on its 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 Maximum Permissible Exposure table, including Cellco's proposed facility modifications, and Cellco's Far Field calculations are included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna mounts, 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 and the property owner is included in Attachment 6.

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

Melanie A. Bachman, Esq.
December 21, 2022
Page 3

Sincerely,

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

Kenneth C. Baldwin

Enclosures

Copy to:

Mark A. Lauretti, Shelton Mayor
Alexander Rosetti, Planning and Zoning Administrator
Karen McGuire Family Trust, Property Owner
Aleksy Tyurin

ATTACHMENT 1



 * CITY OF SHELTON *
 * BUILDING DEPARTMENT *
 * SHELTON, CONN. 06484 *

PERMIT TYPE : BUILDING
 PERMIT NO. : 165E
 DATE ISSUED : 10/26/00
 EST. VALUE : 120000.00

RECEIVED

OCT 30 2000

DIC

MAIL TO : DIVERSIFIED TECHNOLOGY
 5541 BRINGTON AVENUE
 NORTH HAVEN, CT 06473

 All work done shall comply with the requirements of the Connecticut State Building Code and Standards set forth therein, and all regulations of the City of Shelton that apply.

THIS IS TO CERTIFY THAT : DAN BOLAN, AGENT

Has been granted permission to : BUILD CELL TOWER - A.P.P.

OWNER : RUDOLF HUDAK
 At : 162 BIRDSEYE ROAD
 Use - *** Use code 0 not on file

ZONING # : 200 MAP # : 134 LOT # : 3 CENSUS # : REF # 0

FEE : 1229.20 RECEIPT # : 21138 PAYMENT TYPE : CHECK

SIGNED *Elliot Holcomb* Building Official



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

Internet: ct.gov/csc

Daniel F. Caruso
Chairman

May 2, 2007

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

RE: **EM-VER-126-070412** - Celco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at Birdseye Road, Shelton, Connecticut.

Dear Attorney Baldwin:


At a public meeting held on May 1, 2007, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated April 12, 2007, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Thank you for your attention and cooperation.

Very truly yours,


Daniel F. Caruso
Chairman

DFC/MP/laf

c: The Honorable Mark A. Lauretti, Mayor, City of Shelton
Richard Schultz, Planning Administrator, City of Shelton
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP
Christopher B. Fisher, Esq., Cuddy & Feder LLP

ATTACHMENT 2

Verizon

SHELTON_NORTH_CT

161 BIRDSEYE ROAD
 SHELTON, CT 06484
 SBA SITE I.D.#: CT46133-A
 LOCATION CODE (PSLC): 467929
 FUZE ID: 16244170
 EQUIPMENT UPGRADE PROJECT
 RFDS DATE: 06/08/22

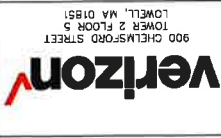
LOCATION MAP



IMAGE SOURCE: OPENSTREETMAP

PROJECT SUMMARY		
SCOPE OF WORK:	EXISTING TELECOMMUNICATIONS FACILITY EQUIPMENT ALTERATION	
SITE NAME:	SHELTON_NORTH_CT	
FUZE PROJECT ID:	16244170	
LOCATION CODE (PSLC):	467929	
SITE ADDRESS:	161 BIRDSEYE ROAD SHELTON, CT 06484	
LATITUDE:	41.325556 N (RFDS)	
LONGITUDE:	-73.48333 W (RFDS)	
FACILITY:	SBA MONOPOLE SITE ID #: CT46133-A	
PERMIT PARTNERSHIP LESSEE LICENSEE PROJECT OWNER:	CELL CO PARTNERSHIP LESSOR: VERIZON 900 CHELMSFORD STREET TOWER 2 FLOOR 5 LOWELL, MA 01851	
SITE ENGINEER:	PROTERRA DESIGN GROUP, LLC BUILDING A, SUITE 200 TRAULEY, MA 01035	
SHEET INDEX		
SHEET NO.	DESCRIPTION	REV. NO.
1-1	TITLE SHEET	4
A-1	COMPOUND PLAN & ELEVATION	4
A-2	EXISTING AND PROPOSED ANTENNA PLAN	4
D-1	DETAIL	4
D-2	DETAIL	4
X-1	ANTENNA LAYOUT RENDERINGS (BY OTHERS)	4

GENERAL NOTES	
1.	VERIFY CONE CONFIGURATION, ANTENNA CONFIGURATION, AND ANTENNA HEIGHT WITH LATEST RF DATA SHEET PRIOR TO INSTALLATION.
2.	THE CONTRACTOR SHALL SCHEDULE AND SEQUENTIAL ALL WORK WITH THE WORKER'S REPRESENTATIVE AND CONSTRUCTION MANAGER.
3.	RETAIN ANY DAMAGE DURING CONSTRUCTION TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE CONSTRUCTION MANAGER.
4.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES FOR THE WORK TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS, GLOBAL STRUCTURAL ANALYSIS, AND LOCAL ANTENNA MOUNT ANALYSIS INCLUDING ANTENNA MOUNT MODIFICATIONS AND STRUCTURAL AUGMENTS AS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURE.
5.	REPLACE AND/OR REUSE (E) VOLUNTING HARDWARE TO THE SATISFACTION OF THE ENGINEER.
6.	THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY FROM TO COMPLETION OF CONSTRUCTION. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR DEFICIENCIES.
7.	BE RESPONSIBLE FOR THE SAME.
8.	USING SPONSOR'S INFORMATION NOT ALL (E) OR (F) ANTENNA ELEVATIONS SHALL BE MET ZONING OR AS APPROVALS DICTATE.
9.	THESE CONSTRUCTION DRAWINGS ARE GOVERNED UPON THE INSTALLATION OF ANY REQUIRED MODIFICATIONS AND INSPECTION REPORTS AS A RESULT THEREOF.
STRUCTURAL NOTES	
GLOBAL TOWER STRUCTURAL ANALYSIS REPORT: PASSING-SEDDLE - NO MODIFICATIONS REQUIRED BY TOWER ENGINEERING SOLUTIONS DATED 12/01/22.	
LOCAL ANTENNA MOUNT ANALYSIS REPORT: MOUNT MODIFICATIONS REQUIRED - PER PASSING REPORT & BY MASTER CONSULTING DATED 07/29/22	
<ul style="list-style-type: none"> NEW SUPPORT RAIL WITH CROSSBOWER PLATE CONTRACTOR SHALL INSTALL NEW SAFETY CABLE WIRE ROPE GUARD (VERISMART-HIBRID) TO THE THREADED RODS OF THE EXISTING MONOPOLE COLLAR ASSEMBLY. CONTRACTOR SHALL INSTALL THE PROPOSED OPN ON A STANDOFF HORIZONTAL SUPPLEMENTING THE BETA WIND GUARD SECTION WITH NEW CROSSBOWER PLATE (VERISMART-HIBRID) 	
CONTRACTOR MOUNT POST MODIFICATION INSPECTION (PMI) REPORT REQUIREMENTS	
PMI ONLINE ACCESS:	https://pmi.verismart.com
SMART TOOL NUMBER:	10194984
PROJECT NUMBER:	467929
VZW LOCATION CODE (PSLC):	467929
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN ANTENNA MOUNT ANALYSIS REPORT BY MASTER CONSULTING DATED 07/29/22.	
MOUNT MODIFICATIONS REQUIRED (Y/N):	YES
REFER TO MOUNT MODIFICATION DRAWINGS PAGE FOR VZW SMART KIT APPROVED VENDORS	



PREPARED BY:
ProTerra
 DESIGN GROUP, LLC
 4 Bay Road, Bldg A
 Suite 200
 Trauley, MA 01035
 PH: (413)220-4918

REV.	DATE	DESCRIPTION
0	04/16/22	PER RFD'S DATED 12/08/21
1	04/05/22	PER RFD'S DATED 03/22/22
2	06/03/22	PER RFD'S DATED 06/08/22
3	06/06/22	PER RFD'S DATED 06/08/22
4	12/12/22	PER RFD'S DATED 06/08/22



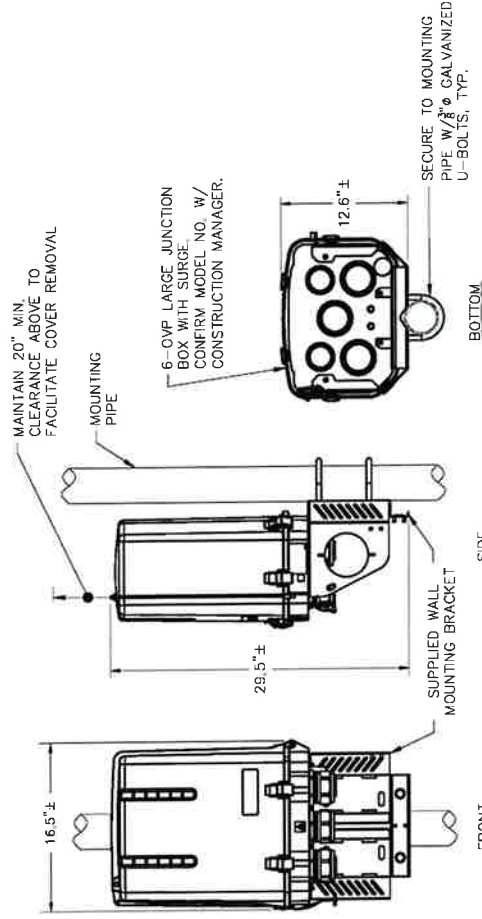
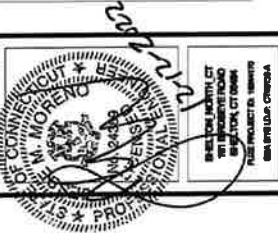
SHELTON NORTH CT
 161 BIRDSEYE ROAD
 SHELTON, CT 06484
 THIS PROJECT IS UNDER
 THE CARE OF: CHESTER
 JESSE MORENO, P.E.

T-1

Jesse Moreno, P.E. 060000000

REVISIONS

REV	DATE	DESCRIPTION
1	01/18/22	REV R:DS DAVE:12/08/21
2	08/05/22	REV R:DS DAVE:08/06/22
3	09/06/22	REV R:DS DAVE:08/06/22
4	12/22/22	REV R:DS DAVE:08/06/22

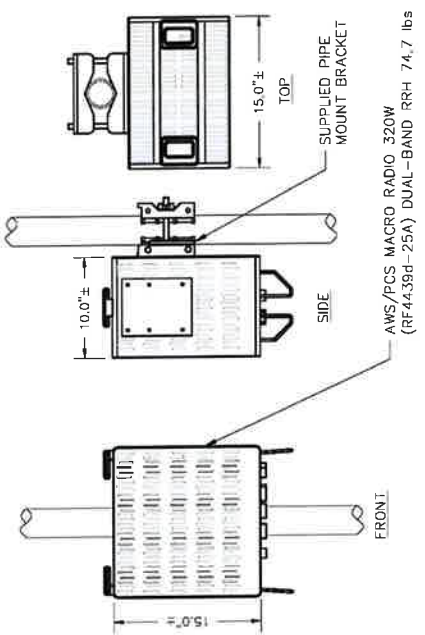


3
D-1

(P) LARGE JUNCTION BOX MOUNTING DETAIL

SCALE: NONE

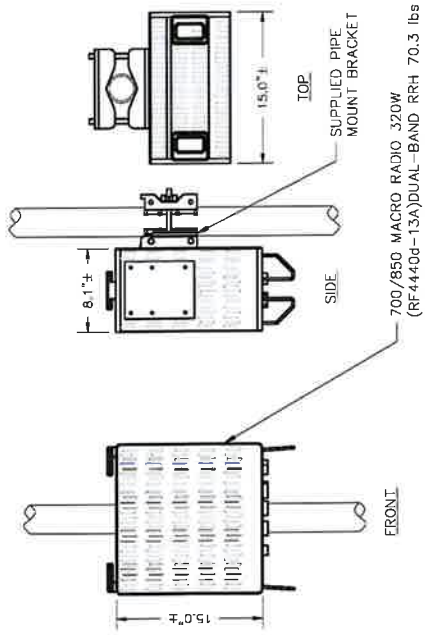
- INSTALLATION NOTES:
1. INSTALL ALL EQUIPMENT, MOUNTING BRACKETS, AND HARDWARE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 2. GROUND DISTRIBUTION BOXES, MOUNTING PIPES, AND RRHs IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 3. INSTALL EQUIPMENT AND MOUNTING BRACKETS TO PRESERVE CLIMBING ACCESS ON TOWER.
 4. EQUIPMENT TO BE INSTALLED AT VERIZON RAD. CENTER IN ACCORDANCE WITH GLOBAL TOWER STRUCTURAL ANALYSIS AND MOUNT ANALYSIS (BY OTHERS).



1
D-1

(P) AWS/PCS RRH MOUNTING DETAIL

SCALE: NONE



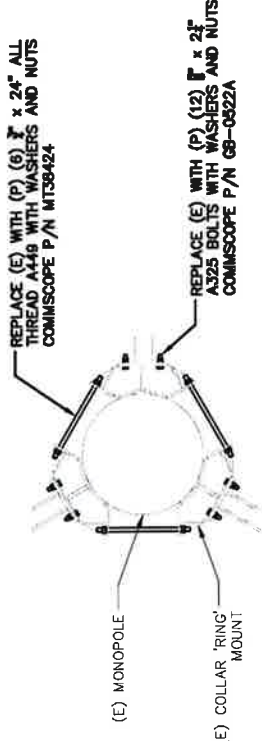
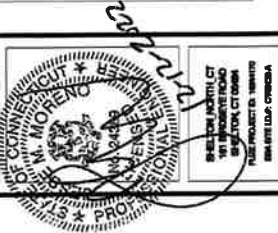
2
D-1

(P) 700/850 RRH MOUNTING DETAIL

SCALE: NONE

REVISIONS

REV	DATE	DESCRIPTION	BY	CHK	APP'D
1	04/18/22	REV R:OS D:A:ED 01/22/22	TBO	JM	JM
2	09/05/22	REV R:OS D:A:ED 09/05/22	TBO	JM	JM
3	09/06/22	REV R:OS D:A:ED 09/06/22	TBO	JM	JM
4	12/22/22	REV R:OS D:A:ED 09/08/22	TBO	JM	JM

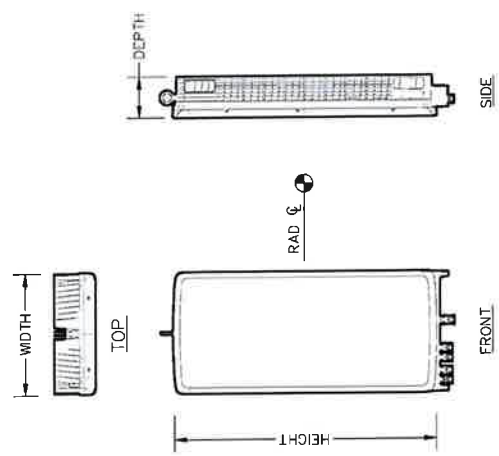


NOTE: IF FIELD MEASUREMENTS DETERMINE MOUNT ELEVATION NEEDS TO BE ADJUSTED TO MEET LEASING REQUIREMENTS CONTRACTOR SHALL COORDINATE REPLACEMENT OF HIGH STRENGTH BOLTING HARDWARE SHOWN WITH CONSTRUCTION MANAGER.

2
D-2

COLLAR & MOUNT ARM HARDWARE

SCALE: NONE



MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
MT6407-77A - ANTENNA	35.1"±	16.1"±	5.6"±	87.1±lbs

1
D-2

(P) MT6407-77A ANTENNA DETAIL

SCALE: NONE

ANTENNA LAYOUT SCHEMATIC RENDERINGS SHOWN HEREON PROVIDED BY OTHERS

REFER TO ANTENNA MOUNT ANALYSIS REPORT BY MASER CONSULTING DATED 07/20/22 AND MODIFICATION DRAWINGS DATED 07/20/22 FOR ADDITIONAL DETAIL



PROterra
DESIGN GROUP, LLC
4 Bay Road, Bldg A
Suite 200
Haverhill, MA 01830
PH: (413) 250-4789

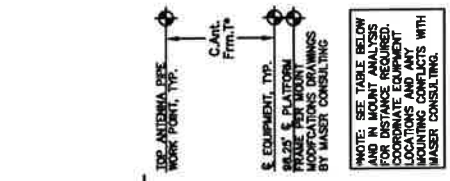
REVISIONS

REV	DATE	DESCRIPTION	BY	CHK	APP'D
1	03/18/22	REVISED DATE	JMG	JMG	JMG
2	04/06/22	REVISED DATE	JMG	JMG	JMG
3	08/05/22	REVISED DATE	JMG	JMG	JMG
4	12/12/22	REVISED DATE	JMG	JMG	JMG

RENDERINGS BY:
MASER CONSULTING
2000 MOUNTAIN DRIVE - SUITE 100
MOUNTAIN VIEW, NJ 08053
Phone: 908-787-0412

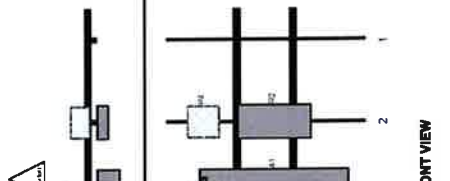
SECTION NORTH CT
101543964
101543964
101543964
101543964

X-1



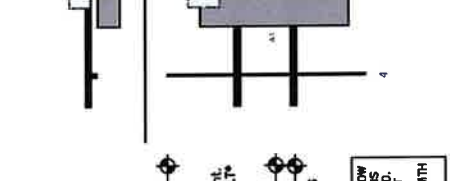
FRONT VIEW

ALPHA



FRONT VIEW

BETA



FRONT VIEW

GAMMA

ALPHA

Part	Model	Hght (ft)	Wdth (ft)	Depth (ft)	Dist. to Ant. (ft)	Dist. to Plat. (ft)	Dist. to Ref. (ft)	Part	Ant. Hgt (ft)	Status	Mod/Date
R2	MT802-77A	35.1	16.1	85.26	2	3	Front	51.89	0	Added	
R1	RF4404-13A	15	15	85.26	2	3	Behind	15	0	Added	
A1	M-CEP-P032C-03	71.3	15.4	55.5	3	3	Front	51.89	9	Added	
A1	M-UBF-P032C-03	71.3	15.4	55.5	3	3	Front	51.89	9	Added	
F1	RF4404-13A	15	15	55.5	3	3	Behind	15	0	Added	
OVP: DB B-EC-12A8-02 Member											

BETA

Part	Model	Hght (ft)	Wdth (ft)	Depth (ft)	Dist. to Ant. (ft)	Dist. to Plat. (ft)	Dist. to Ref. (ft)	Part	Ant. Hgt (ft)	Status	Mod/Date
R2	MT802-77A	35.1	16.1	85.26	2	3	Front	51.89	0	Added	
R1	RF4404-13A	15	15	85.26	2	3	Behind	15	0	Added	
A1	M-UBF-P032C-05	71.3	15.4	55.5	3	3	Front	51.89	9	Added	
R3	RF4404-13A	15	15	55.5	3	3	Behind	15	0	Added	

GAMMA

Part	Model	Hght (ft)	Wdth (ft)	Depth (ft)	Dist. to Ant. (ft)	Dist. to Plat. (ft)	Dist. to Ref. (ft)	Part	Ant. Hgt (ft)	Status	Mod/Date
R2	MT802-77A	35.1	16.1	85.26	2	3	Front	51.89	0	Added	
R1	RF4404-13A	15	15	85.26	2	3	Behind	15	0	Added	
A1	M-UBF-P032C-03	71.3	15.4	55.5	3	3	Front	51.89	9	Added	
A1	V-ZEFT-0360-C3	71.3	16.4	55.5	3	3	Front	51.89	9	Added	
F1	RF4404-13A	15	15	55.5	3	3	Behind	15	0	Added	

CONTRACTOR MOUNT POST MODIFICATION INSPECTION (PMI) REPORT REQUIREMENTS

PMI ONLINE ACCESS: <https://pmi.viewmser.com>

SMART TOOL VENDOR PROJECT NUMBER: 101543964

VENDOR LOCATION CODE (FSLC): 467929

*** PMI AND REQUIREMENTS ALSO EMBEDDED IN ANTENNA MOUNT ANALYSIS REPORT BY MASER CONSULTING DATED 07/20/22.

MOUNT MODIFICATIONS REQUIRED (Y/N): **YES**

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

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 duplexers
- 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



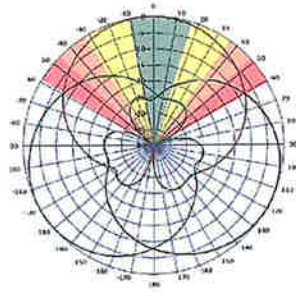
NWAV

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.

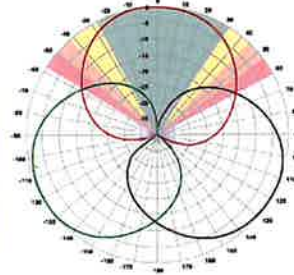
Non-FRO antenna

Large traditional antenna pattern overlap creates harmful interference.



JMA FRO antenna

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



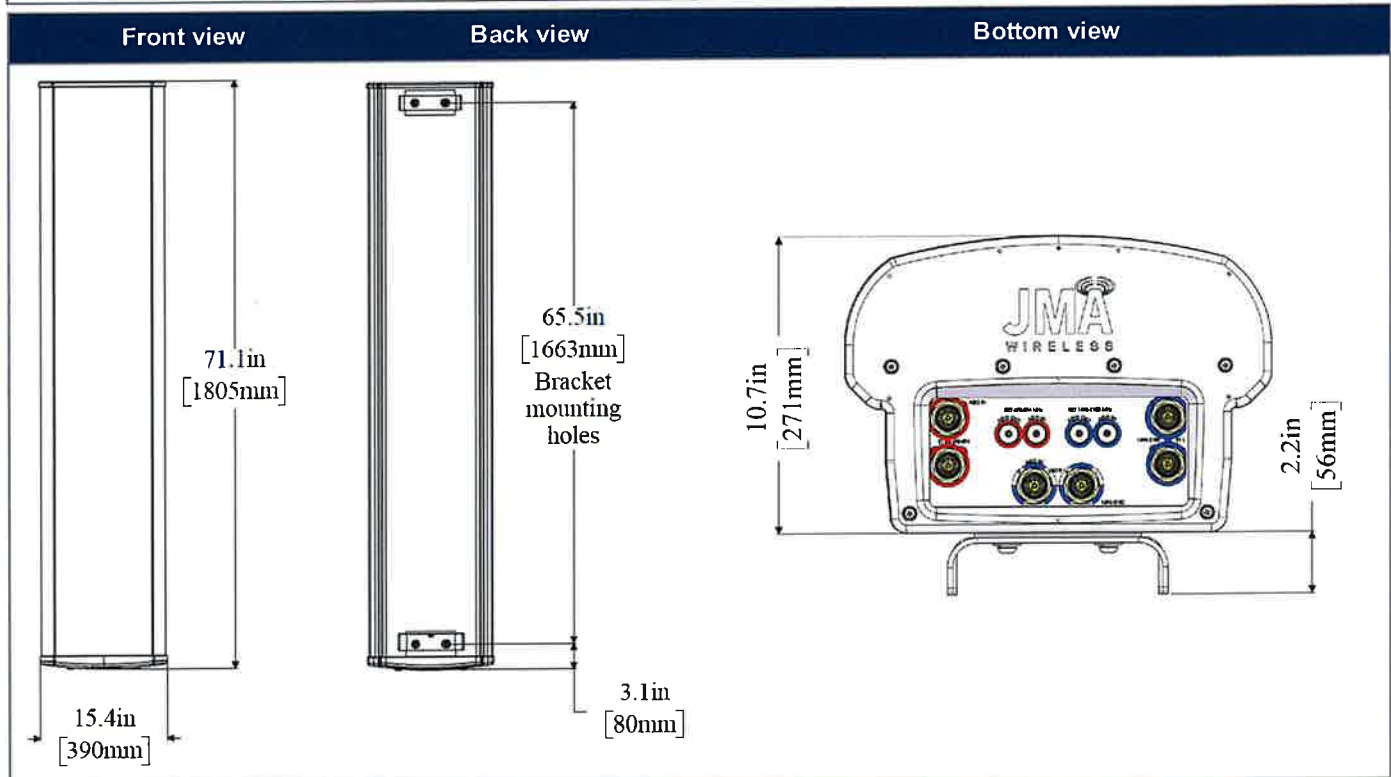
	LTE throughput	SINR	Speed (bps/Hz)	Speed Increase	CQI
Excellent	>18	>4.5	>4.5	333+%	8-10
Good	15-18	3.3-4.5	3.3-4.5	277%	6-7
Fair	10-15	2-3.3	2-3.3	100%	4-5
Poor	<10	<2	<2	0%	1-3

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	1920-2180
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



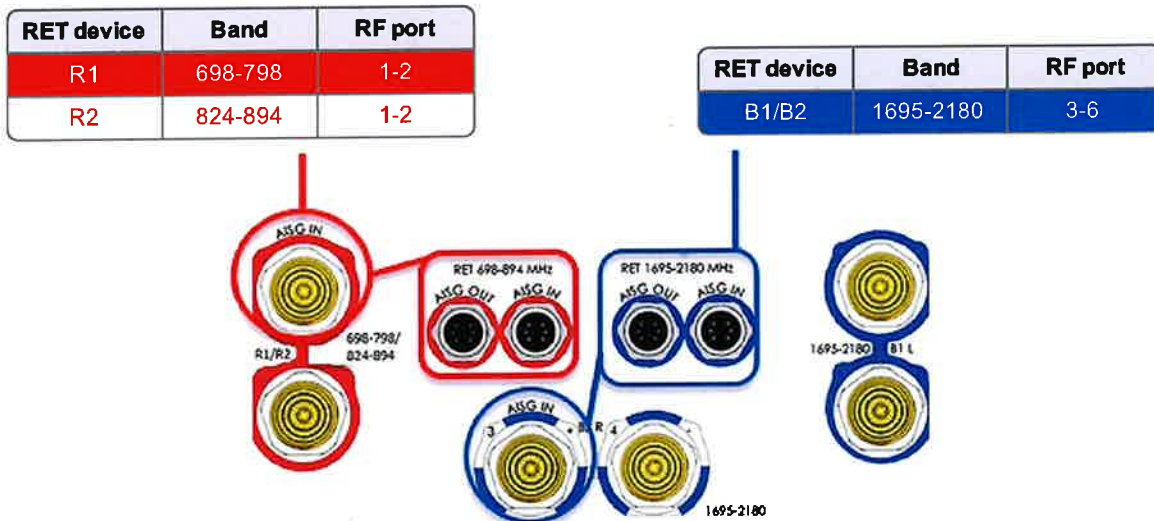
Ordering information	
Antenna model	Description
MX06FRO660-03	6F X-Pol HEX FRO 60° independent tilt 700/850 RET, 4.3-10 & SBT
Optional accessories	
AISG cables	M/F cables for AISG connections
PCU-1000 RET controller	Stand-alone controller for RET control and configurations

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:



Array topology

<p>3 sets of radiating arrays</p> <p>R1/R2: 698-894 MHz B1: 1695-2180 MHz B2: 1695-2180 MHz</p>	<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									

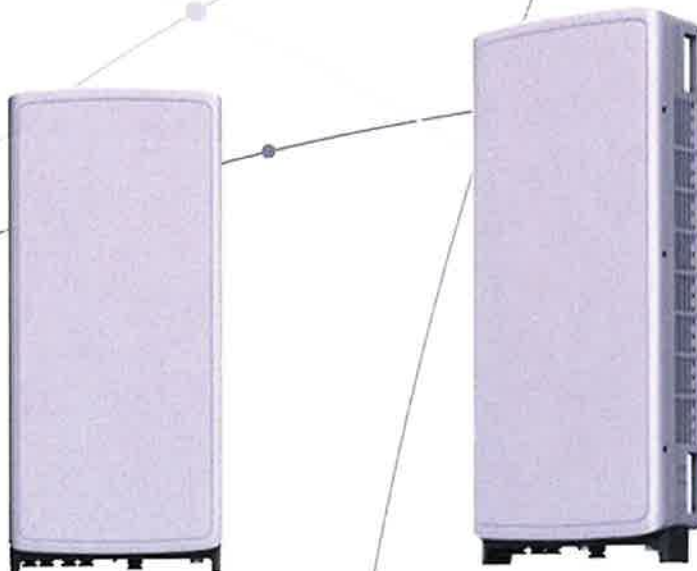
SAMSUNG

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



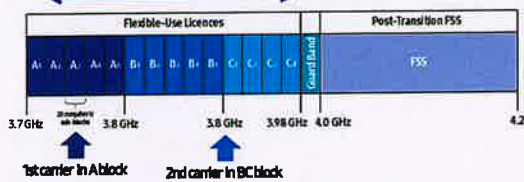
Points of Differentiation

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.

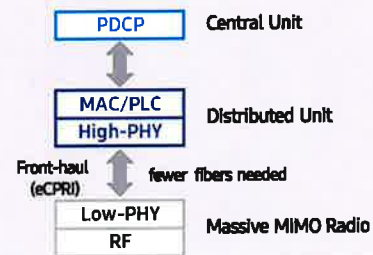
Samsung C-Band massive MIMO Radio covers the entire C-Band 280 MHz spectrum, so it can meet the operator's needs in current A block and future B/C blocks

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

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

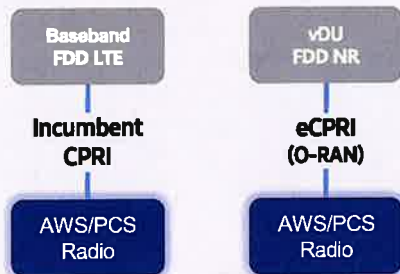


Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

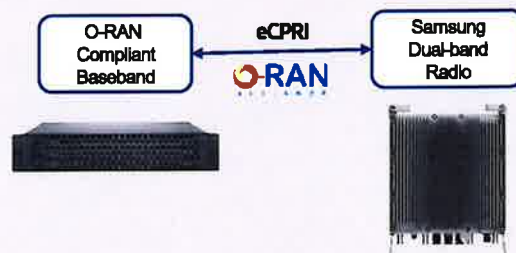
Samsung's AWS/PCS macro radio can support each incumbent CPRI interface as well as advanced eCPRI interfaces. This feature provides installable options for both legacy LTE networks and added NR networks.



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.

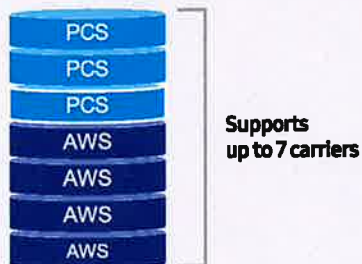
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



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.



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

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

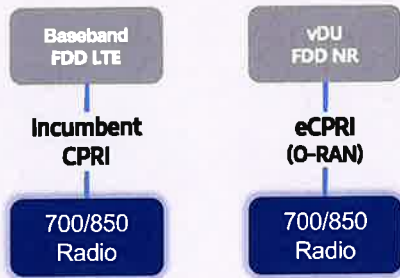


Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

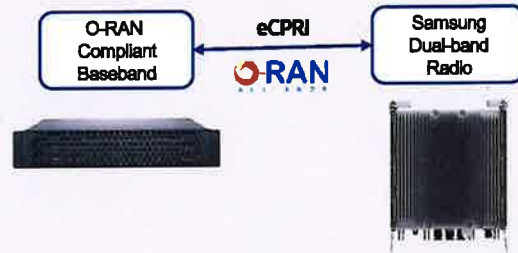
Samsung's 700/850MHz macro radio can support each incumbent CPRI interface as well as an advanced eCPRI interface. This feature provides installable options for both legacy LTE networks and added NR networks.



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.

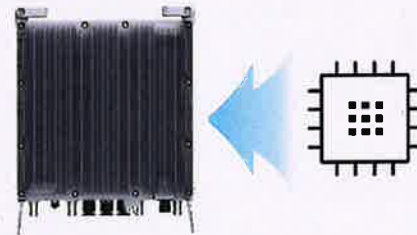
The new 700/850MHz dual-band radio can support up to 2 carriers in the B13 (700MHz) band and 3 carriers in the B5 (850MHz) band, respectively.



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

ATTACHMENT 3

CUMULATIVE MPE TABLE

Carrier	MPE %
T-Mobile	16.89 %
AT&T	4.22 %
Sprint	0.05 %
Nextel	0.43 %
*Verizon Wireless	5.80 %
<i>Site Total</i>	<i>27.39 %</i>

*See attached Verizon Wireless Far Field table.

Note: MPE percentages for the carriers in the above table was compiled from the EBI Consulting Radio Frequency Emissions Analysis Report, dated February 22, 2021 submitted by T-Mobile on March 16, 2021 (EM-T-Mobile-126-210316).

3	0.006013845	0.000457129	0.000559808	0.000657711	0.000642739	0.00%	0.02%	0.50%	0.01%	0.05%	0.06%	0.11%	0.09%	0.13%	1125.787065	0.009053979	1.05%
2	0.002275211	0.00044674	0.000455045	0.000295836	0.000295836	0.00%	0.01%	0.23%	0.00%	0.04%	0.05%	0.05%	0.04%	0.05%	1695.538944	0.004101677	0.48%
1	0.00046311	0.000170889	0.000157295	7.14022E-05	7.35114E-05	0.00%	0.00%	0.05%	0.00%	0.02%	0.02%	0.01%	0.01%	0.01%	3380.107736	0.001021971	0.12%

degree below horizon	AT1K02 (39GHz)	AT1K01 (28GHz)	MT6407-77A (3,730MHz)	XXDWMM- 12.5-65 (3,550MHz)	AWS (2,155MHz)	PCS (1,962MHz)
0	0.08	0.08	3.28	1.8	0	0
1	0.39	0.39	2.19	1.3	0.68	0.44
2	0.3	0.3	1.29	0.8	2.52	1.84
3	0	0	0.58	0.5	5.93	4.45
4	0.31	0.31	0.25	0.2	12.1	8.97
5	0.42	0.42	0.05	0.1	21.87	18.01
6	0.13	0.13	0	0	15.41	21.22
7	0.44	0.44	0.3	0	13.04	14.24
8	0.36	0.36	0.5	0.1	14.3	12.95
9	0.09	0.09	1.06	0.2	19.7	14.72
10	0.4	0.4	1.96	0.3	40.58	20.5
11	0.52	0.52	2.79	0.7	20.32	28.34
12	0.26	0.26	3.98	1	17.09	18.39
13	0.57	0.57	5.58	1.5	17.87	15.1
14	0.51	0.51	7.33	2	23.04	14.76
15	0.26	0.26	9.78	2.6	34.06	16.83
16	0.58	0.58	12.92	3.3	20.88	22.63
17	1.07	1.07	17.49	4.2	17.14	43.39
18	0.55	0.55	26.19	5.3	16.55	22.35
19	0.58	0.58	31.65	6.7	18.33	18.53
20	1.08	1.08	21.32	8.2	22.99	17.99
21	0.59	0.59	17.7	9.9	29.47	19.88
22	0.65	0.65	15.7	11.8	24.59	24.9
23	1.22	1.22	14.89	14.5	21.68	30.64
24	0.99	0.99	14.59	18.2	21.39	24.21
25	0.8	0.8	15.18	23.8	22.04	21.17
26	1.11	1.11	15.83	33.9	21.32	21.01
27	1.12	1.12	16.93	27.7	19.41	23.56
28	0.95	0.95	18.33	21.5	18.2	30.74
29	1.25	1.25	19.62	18	18.43	29.74
30	2.03	2.03	20.49	15.7	20.6	22.7
31	3.32	3.32	20.49	14.1	26.47	19.86
32	5.21	5.21	19.83	13	36.14	19.27
33	7.88	7.88	19.23	12.3	23	20.67
34	11.74	11.74	18.52	12.1	18.36	25.02
35	16.19	16.19	18.29	11.9	16.07	40.4
36	14.94	14.94	18.06	11.7	15	25.76
37	15.07	15.07	18.29	11.7	14.65	19.64
38	16.33	16.33	18.49	11.8	14.73	16.6
39	15.38	15.38	19.03	12	15.01	14.96

40	15.03	15.03	19.78	12.5	15.31	14.19
41	15.75	15.75	20.69	13.1	15.55	13.99
42	17.49	17.49	21.79	13.7	15.71	14.2
43	20.55	20.55	23.18	14.2	15.89	14.64
44	21.87	21.87	24.78	14.5	16.21	15.21
45	20.56	20.56	26.65	15.1	16.82	15.8
46	20.35	20.35	28.85	15.9	17.86	16.38
47	21.02	21.02	31.4	16.8	19.49	16.91
48	21.62	21.62	33.3	17.8	21.96	17.38
49	20.49	20.49	33	18.7	25.7	17.81
50	20.28	20.28	31	19.7	31.64	18.21
51	20.83	20.83	28.8	20.7	36.07	18.66
52	22.1	22.1	27.2	21.6	30.89	19.22
53	22.84	22.84	25.96	22.4	27.7	20
54	23.96	23.96	25.16	22.9	26.24	21.09
55	25.61	25.61	24.59	23.3	25.78	22.57
56	24.75	24.75	24.19	23.4	25.98	24.57
57	24.54	24.54	24.19	23.3	26.63	27.31
58	24.84	24.84	24.18	22.7	27.62	31.29
59	25.6	25.6	24.38	21.9	28.97	38
60	25.03	25.03	24.98	21.2	30.76	44.15
61	24.18	24.18	25.49	20.7	33.15	35.84
62	23.83	23.83	26.09	20.5	36.26	31.74
63	23.88	23.88	26.99	20.3	39.9	29.52
64	24.25	24.25	27.98	20.3	43.26	28.28
65	24.7	24.7	28.58	20.5	46.03	27.64
66	24.47	24.47	29.08	20.9	49.78	27.45
67	24.47	24.47	29.18	21.3	53.69	27.61
68	24.68	24.68	28.55	21.7	49.39	28.06
69	25.07	25.07	27.75	21.8	45.95	28.78
70	25.64	25.64	26.95	21.6	44.9	29.72
71	26.36	26.36	26.25	21.2	45.62	30.87
72	27.24	27.24	25.5	21	47.63	32.27
73	28.26	28.26	24.8	21	49.73	33.91
74	28.68	28.68	24.3	21.2	49.74	35.67
75	28.98	28.98	23.9	21.6	47.91	37.23
76	29.37	29.37	23.6	22.1	45.94	38.36
77	29.83	29.83	23.4	22.8	44.58	39.16
78	30.36	30.36	23.1	23.5	44.13	39.83
79	30.94	30.94	22.9	24.5	44.68	40.35
80	30.89	30.89	22.8	25.6	45.79	40.71
81	30.44	30.44	22.7	26.8	45.86	41.18
82	30.13	30.13	22.7	28.2	44.13	42.15

83	29.93	29.93	22.7	29.7	42.27	43.8
84	29.81	29.81	22.7	31.1	41.19	45.85
85	29.76	29.76	22.8	31.9	41.05	47.77
86	29.78	29.78	22.8	32.5	41.84	49.64
87	29.85	29.85	22.9	32.9	43.59	52.62
88	29.97	29.97	22.96	33.3	46.42	58.47
89	30.13	30.13	23.06	33.6	50.18	65.28
90	30.33	30.33	23.06	34.4	52.75	57.68

850-LTE (880MHz)	850-CDMA (869MHz)	700-LTE (746MHz)
0.51	0	0.18
0.16	0	0.01
0	0.2	0
0.04	0.5	0.14
0.29	1.1	0.45
0.76	1.8	0.91
1.46	2.7	1.55
2.41	3.9	2.38
3.67	5.3	3.41
5.29	7	4.68
7.38	9.1	6.24
10.13	11.6	8.15
13.92	14.6	10.53
19.69	18.9	13.51
25.81	25.2	17.19
20.83	35.1	21.89
16.74	30.3	27.2
14.53	26	23.57
13.37	24.5	18.91
12.89	24.5	16.71
12.93	25.7	15.63
13.41	28.4	15.2
14.28	33.4	15.26
15.53	36.4	15.73
17.16	30.9	16.55
19.16	26.6	17.67
21.48	24	18.97
24.2	22.5	20.26
27.53	21.5	21.39
30.94	21	22.32
31.36	21	23.11
29.8	21.4	23.83
28.9	22	24.58
29.01	23.1	25.48
30.04	24.4	26.85
31.52	26.2	30.81
31.7	27.9	30.52
30.05	29.2	28.11
28.99	29.4	27.22
26.02	28.4	26.77

23.12	27	26.29
21.23	25.8	25.77
19.92	24.9	25.33
19.01	24.3	24.19
18.44	23.9	22.55
18.15	23.8	21.12
18.12	23.9	20.01
18.32	24.2	19.16
18.75	24.6	18.52
19.41	25.3	18.06
20.31	26.1	17.76
21.47	27.1	17.61
22.92	28.4	17.61
24.72	30	17.74
26.92	32	18
29.57	34.1	18.4
32.53	37.2	18.91
34.89	40	19.54
35.14	40	20.29
34.08	40	21.15
33	40	22.12
32.19	39.6	23.19
31.61	38.2	24.38
31.19	37.2	25.69
30.88	36.5	27.15
30.62	36	28.82
30.36	35.5	30.76
30.1	35.3	33.13
29.84	35.2	36.08
29.59	35.2	38.79
29.42	35.4	40.04
29.38	35.6	39.98
29.52	35.8	39.14
29.87	36	38.15
30.42	36.5	37.47
31.16	36.6	37.17
32.06	37	37.17
33.05	37.4	37.4
34.04	38	37.77
34.92	38.5	38.19
35.57	38.9	38.56
35.88	39.4	38.78
35.82	40	38.76

35.44	40	38.45
34.9	40	37.92
34.35	40	37.26
33.88	40	36.55
33.54	40	35.89
33.33	40	35.41
33.21	40	35.2
33.13	40	35.3

ATTACHMENT 4



Tower Engineering Solutions

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

Structural Analysis Report

Existing 118 ft SUMMIT Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT46133-A

Customer Site Name: Shelton-north

Carrier Name: Verizon (App#: 179294, V#4)

Carrier Site ID / Name: 467929 / SHELTON_NORTH_CT

Site Location: 162 Birdseye Rd

**Jarryd
Tibbetts**

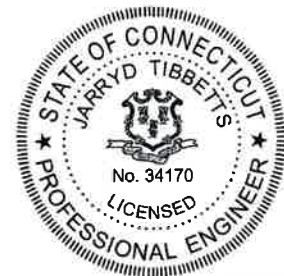
Digitally signed by Jarryd
Tibbetts
DN: c=US, o=TOWER
ENGINEERING SOLUTIONS,
dnQualifier=A01410D00000
1794787F5580001CA04,
cn=Jarryd Tibbetts
Date: 2022.12.01 16:08:20
-06'00'

Shelton, Connecticut

Fairfield County

Latitude: 41.325777

Longitude: -73.148694



12/1/2022

Analysis Result:

Max Structural Usage: 99.8% [Pass]

Max Foundation Usage: 79.0% [Pass]

Additional Usage Caused by Mount Modification: +2.1%

Report Prepared By: Sumeet Sahani

Introduction

The purpose of this report is to summarize the analysis results on the 118 ft SUMMIT Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	Paul J. Ford and Company, Job # 29200-1700 dated 11/15/2000
Foundation Drawing	Paul J. Ford and Company, Job # 29200-1700 dated 11/15/2000
Geotechnical Report	Dr. Clarence Welti, P.E., P.C. Project # CT-0921 dated 06/05/2000
Modification Drawings	Vertical Solutions, Project #130664.01, rev.1 As-Builts, dated 07/10/2013
Mount Analysis	Maser Consulting, SMART Tool Project # 10154984, dated 07/08/2022

Analysis Criteria

The comprehensive analysis was performed in accordance with the requirements and stipulations of the TIA-222-H. In accordance with this standard, the structure was analyzed using **TESPoles**, a proprietary analysis software. The program considers the structure as an elastic 3-D model with second-order effects and temperature effects incorporated in the analysis. The analysis was performed using multiple wind directions.

Wind Speed Used in the Analysis:	120.0 mph (3-Sec. Gust) (Ultimate wind speed)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 1" radial ice concurrent
Service Load Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	TIA-222-H / 2021 IBC / 2022 Connecticut State Building Code
Exposure Category:	C
Risk Category:	II
Topographic Category:	1
Crest Height:	0 ft
Seismic Parameters:	$S_5 = 0.203$, $S_1 = 0.054$

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

Existing Antennas, Mounts and Transmission Lines

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	118.0	3	Ericsson AIR32 KRD901146-1_B66A_B2A (Octo)	Platform w/ Handrails + Kicker with collar mount and horizontal braces	(3) 2" Hybrid	T-Mobile Sprint
2		3	RFS APXVAALL24-43-U-NA20			
3		3	Ericsson AIR6449 B41			
4		4	RFS ACU-A20-N RET			
5		3	Ericsson 4415 B25			
6		3	Ericsson 4449 B71 + B85			
7		3	ALU 800 MHz RRH			
8		3	ALU 800 MHz Filter			
9	108.0	3	Ericsson AIR6449 B77D - Panel	Platform w/ HR and V-Brace	(6) 1-1/4" Coax (1) 1/2" RET Line (6) 5/8" DC Power (3) 3/8" Fiber	AT&T
10		3	Ericsson AIR6419 B77G - Panel			
11		3	Cci TPA65R-BU6DA-K - Panel			
12		3	Cci DMP65R-BU6DA - Panel			
13		3	Ericsson RRUS 4478 B14 - RRU			
14		3	Ericsson RRUS 8843 B2 B66A - RRU			
15		3	ERICSSON RRUS 4449 B5/B12 - RRU			
16	3	Raycap DC6-48-60-18-8F - OVP				
17	101.0	3	Alcatel Lucent - RRH2x60-AWS - RRH	Low Profile Platform	(12) 1 5/8" (1) 1 5/8" Hybrid	Verizon
18		3	Alcatel Lucent - RRH2X60-700 - RRH			
19	1	RFS - DB-T1-6Z-8AB-OZ - Distribution Box				
-	99.0	6	Andrew - SBNHH-1D65A - Panel			
-		3	Andrew - LNX-6514DS-VTM - Panel			
-		3	Antel - BXA-171063-12BF - Panel			

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

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
20	101.0	3	Samsung RF4439d-25A - RRU	Low Profile Platform w/ Modifications (1) Support Rail Kit (1) 36" P2 STD OVP Pipe	(2) 1 5/8" Hybrid	Verizon
21		3	Samsung RF4440d-13A - RRU			
22	99.0	3	JMA MX06FRO660-03 - Panel			
23		3	JMA MX06FRO660-03 - Panel			
24		3	Samsung MT6407-77A - Panel			
25		2	RFS DB-T1-6Z-8AB-OZ - Junction Box			

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

Analysis Results

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

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	99.8%	82.0%	59.3%
Pass/Fail	Pass	Pass	Pass

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Analysis Reactions	2429.2	26.5	30.6

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

Service Load Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 1.4957 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

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

Standard Conditions

1. This analysis was performed based on the information supplied to **(TES) Tower Engineering Solutions, LLC**. Verification of the information provided was not included in the Scope of Work for **TES**. The accuracy of the analysis is dependent on the accuracy of the information provided.
2. The structural analysis was performance based upon the evidence available at the time of this report. All information provided by the client is considered to be accurate.
3. The analyses will be performed based on the codes as specified by the client or based on the best knowledge of the engineering staff of **TES**. In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/TIA-222. If wind speed and/or ice loads are different from the minimum values recommended by the ANSI/TIA-222 standard or other codes, **TES** should be notified in writing and the applicable minimum values provided by the client.
4. The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. **TES** has not visited the tower site to verify the adequacy of the information provided. If there is any discrepancy found in the report regarding the existing conditions, **TES** should be notified immediately to evaluate the effect of the discrepancy on the analysis results.
5. The client will assume responsibility for rework associated with the differences in initially provided information, including tower and foundation information, existing and/or proposed equipment and transmission lines.
6. If a feasibility analysis was performed, final acceptance of changed conditions shall be based upon a rigorous structural analysis.

Usage Diagram - Max Ratio 99.84% at 80.8ft

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)

Code: EIA/TIA-222-H
Exposure: C
Gh: 1.1

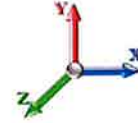
12/1/2022

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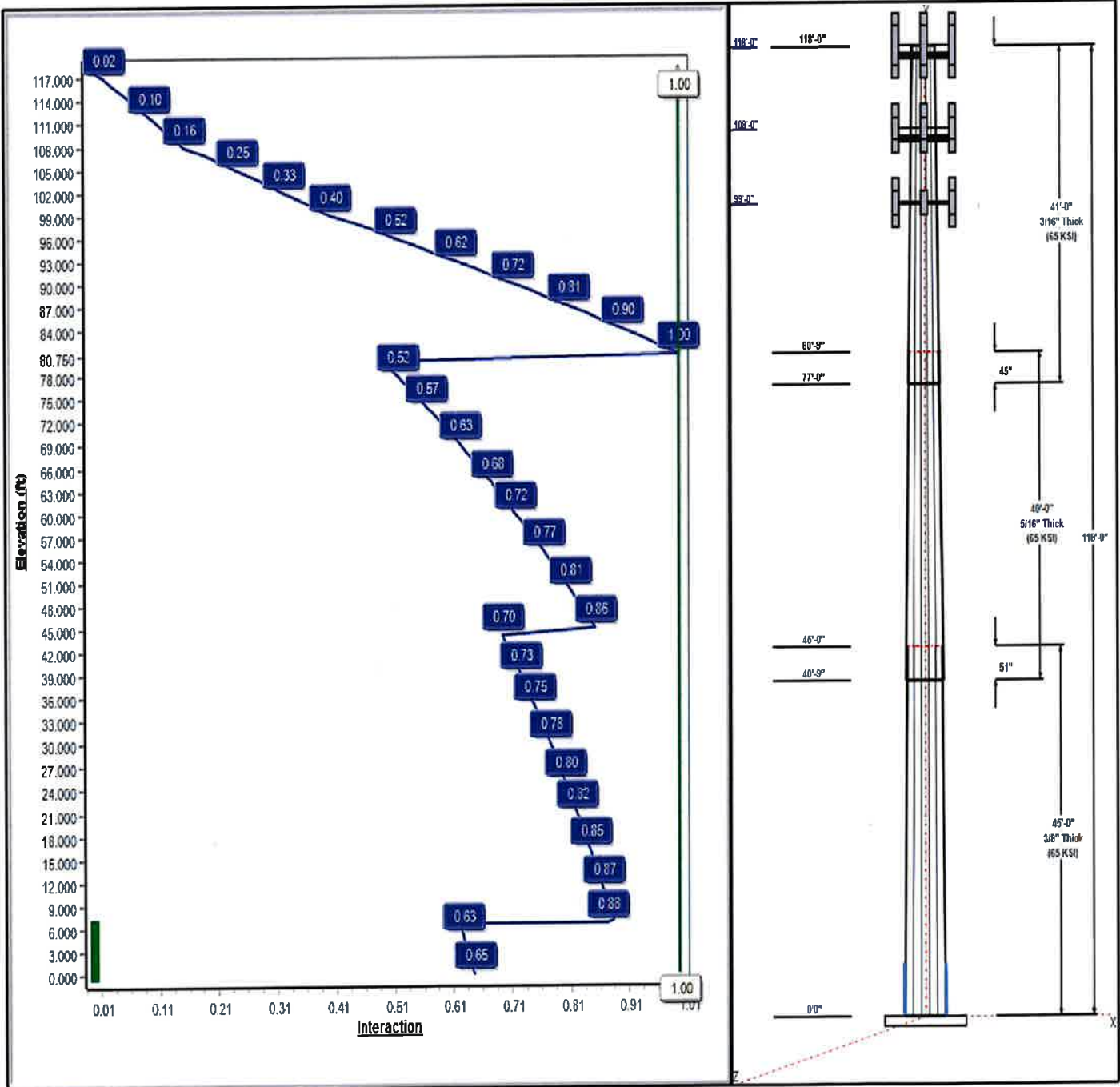
Dead Load Factor: 1.20
Wind Load Factor: 1.00

Load Case : 1.2D + 1.0W 120 mph Wind



Iterations: 30

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Structure: CT46133-A-SBA

Type: Tapered
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 12 Sided
Taper: 0.16500

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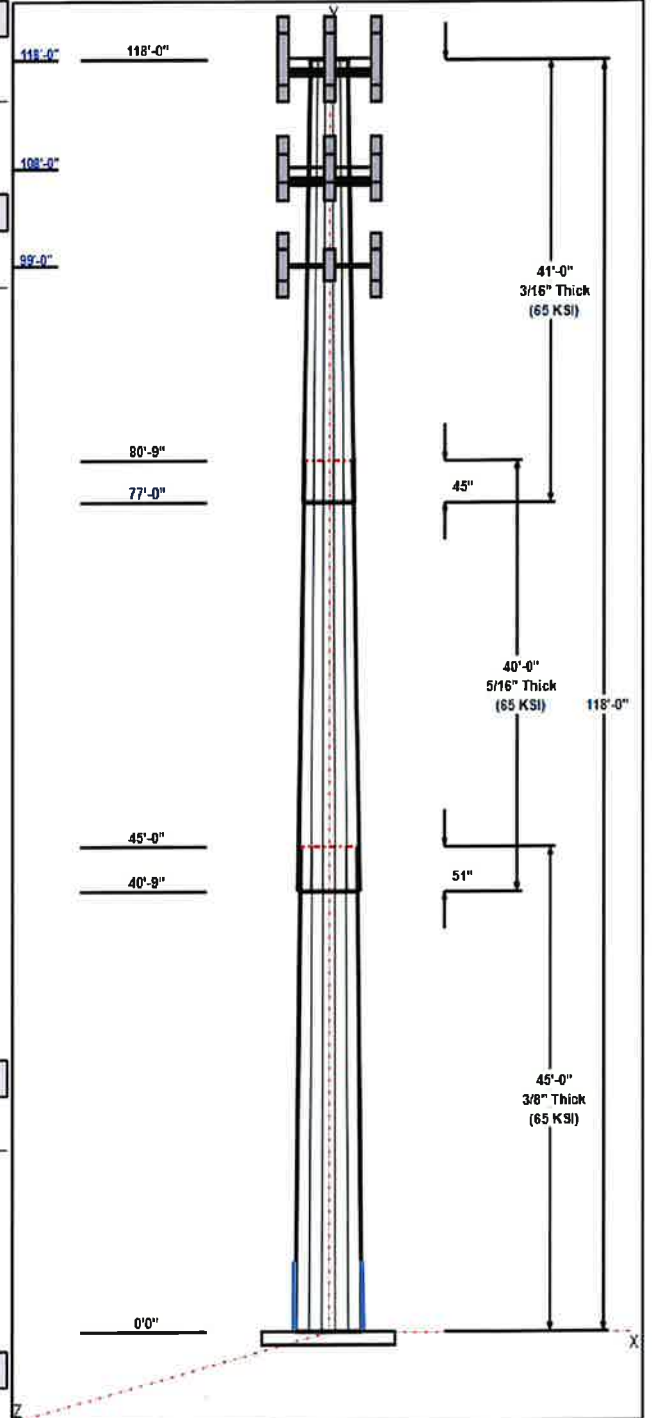
Shaft Properties							
Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	45.00	33.05	40.47	0.375		0.16500	65
2	40.00	27.77	34.37	0.313	Slip	0.16500	65
3	41.00	22.00	28.77	0.188	Slip	0.16500	65

Discrete Appurtenances				
Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
118.00	118.00	3	AIR6449 B41	T-Mobile Sprint
118.00	118.00	3	RRUS 4415 B25	T-Mobile Sprint
118.00	118.00	3	4449 B71 + B85	T-Mobile Sprint
118.00	118.00	1	Kickers and Braces	T-Mobile Sprint
118.00	118.00	1	MS-H1436 (Heavy Collar	T-Mobile Sprint
118.00	118.00	3	APXVAALL24_43-U-NA20	T-Mobile Sprint
118.00	120.00	3	800 MHz RRH	T-Mobile Sprint
118.00	120.00	4	ACU-A20-N	T-Mobile Sprint
118.00	118.00	3	KRD 9011461-B66A-B2A	T-Mobile Sprint
118.00	118.00	1	Platform w/ Hand Rails	T-Mobile Sprint
118.00	120.00	3	ALU - External Notch	T-Mobile Sprint
108.00	108.00	1	Platform + HR & V-Brace	AT&T
108.00	108.00	3	Ericsson AIR6449 B77D	AT&T
108.00	108.00	3	Ericsson AIR6419 B77G	AT&T
108.00	108.00	3	Cci TPA65R-BU6DA-K	AT&T
108.00	108.00	3	Cci DMP65R-BU6DA	AT&T
108.00	108.00	3	Ericsson RRUS 4478 B14	AT&T
108.00	108.00	3	Ericsson RRUS 8843 B2	AT&T
108.00	108.00	3	ERICSSON RRUS 4449	AT&T
108.00	108.00	3	Raycap DC6-48-60-18-8F	AT&T
99.00	99.00	3	JMA MX06FRO660-03	Verizon
99.00	99.00	3	JMA MX06FRO660-03	Verizon
99.00	99.00	3	Samsung MT6407-77A	Verizon
99.00	101.00	3	Samsung RF4439d-25A -	Verizon
99.00	101.00	3	Samsung RF4440d-13A -	Verizon
99.00	99.00	2	RFS DB-T1-6Z-8AB-0Z -	Verizon
99.00	99.00	1	Low Profile Platform	Verizon
99.00	99.00	1	Support Rail Kit - Mods	Verizon

Linear Appurtenances				
Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	118.00	Inside	2" Hybrid	T-Mobile Sprint
0.00	108.00	Inside	1 1/4" Coax	AT&T
0.00	108.00	Inside	1/2" RET	AT&T
0.00	108.00	Inside	3/8" Fiber	AT&T
0.00	108.00	Inside	5/8" DC	AT&T
0.00	99.00	Inside	1 5/8" Hybrid	Verizon
0.00	9.25	Outside	1.5" Reinforcing Plate	

Anchor Bolts			
Qty	Specifications	Grade (ksi)	Arrangement
12	2.25" 18J	75.0	Cluster

Base Plate



Structure: CT46133-A-SBA

Type: Tapered
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 12 Sided
Taper: 0.16500

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Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
3.2500	46.0	50.0	Clipped

Reactions

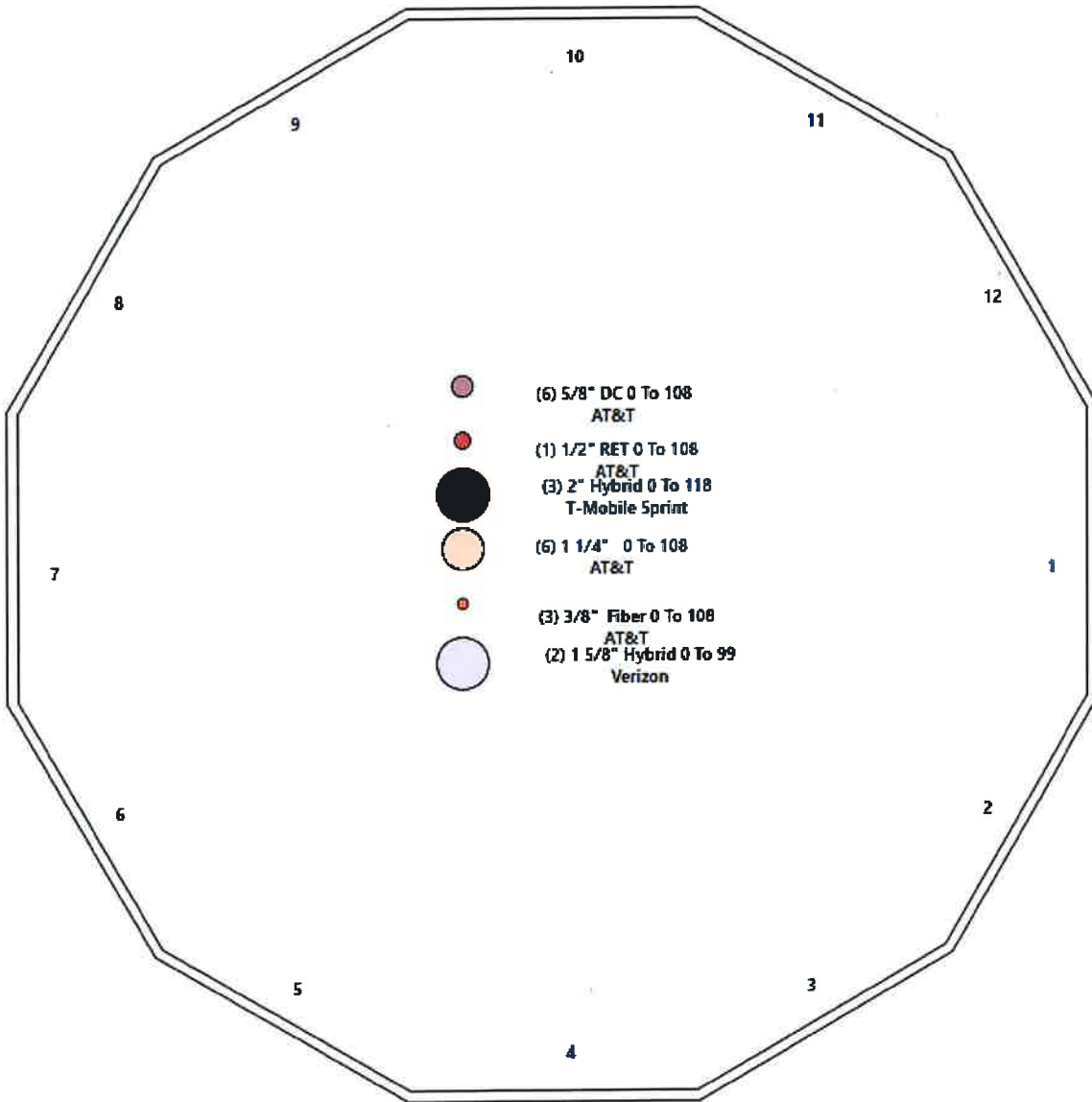
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 120 mph Wind	2429.2	26.5	30.6
0.9D + 1.0W 120 mph Wind	2396.2	26.4	23.0
1.2D + 1.0Di + 1.0Wi 50 mph Wind	587.0	6.3	43.7
1.2D + 1.0Ev + 1.0Eh	54.5	0.5	31.8
0.9D + 1.0Ev + 1.0Eh	53.7	0.5	24.1
1.0D + 1.0W 60 mph Wind	539.4	5.9	25.5

Structure: CT46133-A-SBA - Coax Line Placement

Type: Monopole
Site Name: Shelton-north
Height: 118.00 (ft)

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Shaft Properties

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	12	45.000	0.3750	65		0.00	6,727
2	12	40.000	0.3125	65	Slip	51.00	4,213
3	12	41.000	0.1875	65	Slip	45.00	2,122
Total Shaft Weight:							13,062

Bottom

Top

Sec. No.	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Taper
1	40.47	0.00	48.41	9934.45	26.77	107.92	33.05	45.00	39.45	5374.28	21.47	88.12	0.165000
2	34.37	40.75	34.27	5074.32	27.33	109.99	27.77	80.75	27.63	2659.10	21.67	88.87	0.165000
3	28.77	77.00	17.25	1798.52	38.96	153.41	22.00	118.00	13.17	799.76	29.30	117.3	0.165000

Additional Steel

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Fu (ksi)	Offset (in)	Intermediate Connectors		Termination Connectors			
							Spacing (in)	Description	Spacing (in)	Lower Qty	Upper Qty	
0.00	6.50	4	PLT 6"x1.5"(1.25" Hole)	50	65	0.00	AJM20&sleeve	18.00	AJM20&sleeve	3.00	11	11

Load Summary

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice			Ice			Hor. Ecc. (ft)	Vert Ecc (ft)
				Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor		
1	118.00	AIR6449 B41	3	103.00	5.65	0.71	192.25	6.269	0.71	0.00	0.00
2	118.00	RRUS 4415 B25	3	46.00	1.64	0.50	72.75	1.975	0.50	0.00	0.00
3	118.00	4449 B71 + B85	3	73.20	1.97	0.50	110.78	2.341	0.50	0.00	0.00
4	118.00	Kickers and Braces	1	146.00	7.00	1.00	278.67	11.771	1.00	0.00	0.00
5	118.00	MS-H1436 (Heavy Collar Mount)	1	136.70	2.25	1.00	260.92	3.784	1.00	0.00	0.00
6	118.00	APXVAALL24_43-U-NA20	3	128.00	20.24	0.70	388.04	21.461	0.70	0.00	0.00
7	118.00	800 MHz RRH	3	53.00	2.49	0.50	101.14	3.234	0.50	0.00	2.00
8	118.00	ACU-A20-N	4	1.00	0.14	0.50	3.80	0.333	0.50	0.00	2.00
9	118.00	KRD 9011461-B66A-B2A	3	132.20	6.51	0.87	243.93	7.223	0.87	0.00	0.00
10	118.00	Platform w/ Hand Rails	1	2000.00	39.00	1.00	3363.07	52.290	1.00	0.00	0.00
11	118.00	ALU - External Notch Filters	3	8.80	0.78	0.50	20.28	1.201	0.50	0.00	2.00
12	108.00	Platform + HR & V-Brace	1	2246.00	48.00	1.00	4268.98	70.914	1.00	0.00	0.00
13	108.00	Ericsson AIR6449 B77D	3	88.00	4.13	0.85	171.00	4.670	0.85	0.00	0.00
14	108.00	Ericsson AIR6419 B77G	3	66.10	3.80	0.76	128.17	4.313	0.76	0.00	0.00
15	108.00	Cci TPA65R-BU6DA-K	3	69.00	12.87	0.72	265.89	13.820	0.72	0.00	0.00
16	108.00	Cci DMP65R-BU6DA	3	79.40	12.71	0.72	269.42	13.655	0.72	0.00	0.00
17	108.00	Ericsson RRUS 4478 B14	3	59.40	1.65	0.50	86.15	1.984	0.67	0.00	0.00
18	108.00	Ericsson RRUS 8843 B2 B66A	3	72.00	1.64	0.50	102.51	1.973	0.67	0.00	0.00
19	108.00	ERICSSON RRUS 4449 B5/B12	3	73.00	1.97	0.50	108.41	2.323	0.67	0.00	0.00
20	108.00	Raycap DC6-48-60-18-8F	3	32.80	0.92	0.50	73.94	1.203	1.00	0.00	0.00
21	99.00	JMA MX06FRO660-03	3	60.00	9.87	0.87	222.63	10.732	0.87	0.00	0.00
22	99.00	JMA MX06FRO660-03	3	60.00	9.87	0.87	222.63	10.732	0.87	0.00	0.00
23	99.00	Samsung MT6407-77A	3	87.10	4.69	0.70	157.87	5.289	0.70	0.00	0.00
24	99.00	Samsung RF4439d-25A - RRU	3	74.70	1.88	0.50	103.71	2.232	0.67	0.00	2.00
25	99.00	Samsung RF4440d-13A - RRU	3	70.33	1.88	0.50	101.45	2.232	0.67	0.00	2.00
26	99.00	RFS DB-T1-6Z-8AB-0Z - Junction	2	44.00	4.80	0.50	224.27	5.443	0.67	0.00	0.00
27	99.00	Low Profile Platform	1	1602.00	30.00	1.00	2496.01	45.403	1.00	0.00	0.00
28	99.00	Support Rail Kit - Mods	1	593.00	10.30	1.00	1043.07	16.738	1.00	0.00	0.00
Totals:			72	11,123.79			21,603.28				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	118.00	(3) 2" Hybrid	0.00	Inside
0.00	108.00	(6) 1 1/4" Coax	0.00	Inside
0.00	108.00	(1) 1/2" RET	0.00	Inside
0.00	108.00	(3) 3/8" Fiber	0.00	Inside
0.00	108.00	(6) 5/8" DC	0.00	Inside
0.00	99.00	(2) 1 5/8" Hybrid	0.00	Inside
0.00	9.25	(4) 1.5" Reinforcing Plate	3.00	Outside

Shaft Section Properties

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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Increment Length: 1 (ft)

Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)	Additional Reinforcing			
											Area (in^2)	Ixp (in^4)	Iyp (in^4)	Weight (lb)
0.00	RB1	0.3750	40.470	48.415	9934.4	26.77	107.92	65	76	0.0	36.00	11922.1	4046.0	
1.00		0.3750	40.305	48.215	9812.3	26.66	107.48	65	76	164.4	36.00	11828.8	4014.9	122.5
2.00		0.3750	40.140	48.016	9691.2	26.54	107.04	65	76	163.7	36.00	11735.8	3983.9	122.5
3.00		0.3750	39.975	47.817	9571.0	26.42	106.60	65	76	163.0	36.00	11643.2	3953.1	122.5
4.00		0.3750	39.810	47.618	9451.9	26.30	106.16	65	76	162.4	36.00	11551.0	3922.3	122.5
5.00		0.3750	39.645	47.419	9333.7	26.18	105.72	65	76	161.7	36.00	11459.2	3891.7	122.5
6.00		0.3750	39.480	47.219	9216.6	26.07	105.28	65	76	161.0	36.00	11367.7	3861.2	122.5
6.50	RT1	0.3750	39.398	47.120	9158.4	26.01	105.06	65	76	80.3	36.00	11322.1	3846.0	61.3
7.00		0.3750	39.315	47.020	9100.4	25.95	104.84	65	76	80.1				
8.00		0.3750	39.150	46.821	8985.2	25.83	104.40	65	77	159.7				
9.00		0.3750	38.985	46.622	8871.0	25.71	103.96	65	77	159.0				
10.00		0.3750	38.820	46.422	8757.8	25.59	103.52	65	77	158.3				
11.00		0.3750	38.655	46.223	8645.5	25.48	103.08	65	77	157.6				
12.00		0.3750	38.490	46.024	8534.2	25.36	102.64	65	77	156.9				
13.00		0.3750	38.325	45.825	8423.8	25.24	102.20	65	77	156.3				
14.00		0.3750	38.160	45.625	8314.4	25.12	101.76	65	77	155.6				
15.00		0.3750	37.995	45.426	8206.0	25.01	101.32	65	77	154.9				
16.00		0.3750	37.830	45.227	8098.5	24.89	100.88	65	78	154.2				
17.00		0.3750	37.665	45.028	7991.9	24.77	100.44	65	78	153.6				
18.00		0.3750	37.500	44.828	7886.3	24.65	100.00	65	78	152.9				
19.00		0.3750	37.335	44.629	7781.6	24.53	99.56	65	78	152.2				
20.00		0.3750	37.170	44.430	7677.8	24.42	99.12	65	78	151.5				
21.00		0.3750	37.005	44.231	7575.0	24.30	98.68	65	78	150.8				
22.00		0.3750	36.840	44.031	7473.1	24.18	98.24	65	78	150.2				
23.00		0.3750	36.675	43.832	7372.1	24.06	97.80	65	78	149.5				
24.00		0.3750	36.510	43.633	7272.1	23.94	97.36	65	79	148.8				
25.00		0.3750	36.345	43.434	7172.9	23.83	96.92	65	79	148.1				
26.00		0.3750	36.180	43.235	7074.6	23.71	96.48	65	79	147.5				
27.00		0.3750	36.015	43.035	6977.3	23.59	96.04	65	79	146.8				
28.00		0.3750	35.850	42.836	6880.8	23.47	95.60	65	79	146.1				
29.00		0.3750	35.685	42.637	6785.3	23.35	95.16	65	79	145.4				
30.00		0.3750	35.520	42.438	6690.6	23.24	94.72	65	79	144.7				
31.00		0.3750	35.355	42.238	6596.8	23.12	94.28	65	80	144.1				
32.00		0.3750	35.190	42.039	6503.9	23.00	93.84	65	80	143.4				
33.00		0.3750	35.025	41.840	6411.8	22.88	93.40	65	80	142.7				
34.00		0.3750	34.860	41.641	6320.7	22.76	92.96	65	80	142.0				
35.00		0.3750	34.695	41.441	6230.4	22.65	92.52	65	80	141.4				
36.00		0.3750	34.530	41.242	6141.0	22.53	92.08	65	80	140.7				
37.00		0.3750	34.365	41.043	6052.4	22.41	91.64	65	80	140.0				
38.00		0.3750	34.200	40.844	5964.7	22.29	91.20	65	80	139.3				
39.00		0.3750	34.035	40.644	5877.8	22.18	90.76	65	81	138.6				
40.00		0.3750	33.870	40.445	5791.8	22.06	90.32	65	81	138.0				
40.75	Bot - Section 2	0.3750	33.746	40.296	5727.8	21.97	89.99	65	81	103.0				
41.00		0.3750	33.705	40.246	5706.6	21.94	89.88	65	81	63.4				
42.00		0.3750	33.540	40.047	5622.3	21.82	89.44	65	81	252.8				
43.00		0.3750	33.375	39.848	5538.8	21.70	89.00	65	81	251.6				
44.00		0.3750	33.210	39.648	5456.1	21.59	88.56	65	81	250.3				
45.00	Top - Section 1	0.3125	33.670	33.566	4767.3	26.73	107.74	65	76	249.1				
46.00		0.3125	33.505	33.400	4696.9	26.58	107.22	65	76	113.9				
47.00		0.3125	33.340	33.234	4627.2	26.44	106.69	65	76	113.4				

Increment Length: 1 (ft)

Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)	Additional Reinforcing			
											Area (in ²)	Ixp (in ⁴)	Iyp (in ⁴)	Weight (lb)
48.00		0.3125	33.175	33.068	4558.2	26.30	106.16	65	76	112.8				
49.00		0.3125	33.010	32.902	4489.9	26.16	105.63	65	76	112.2				
50.00		0.3125	32.845	32.736	4422.3	26.02	105.10	65	76	111.7				
51.00		0.3125	32.680	32.570	4355.3	25.88	104.58	65	76	111.1				
52.00		0.3125	32.515	32.404	4289.0	25.74	104.05	65	77	110.5				
53.00		0.3125	32.350	32.238	4223.5	25.59	103.52	65	77	110.0				
54.00		0.3125	32.185	32.072	4158.5	25.45	102.99	65	77	109.4				
55.00		0.3125	32.020	31.906	4094.3	25.31	102.46	65	77	108.9				
56.00		0.3125	31.855	31.740	4030.7	25.17	101.94	65	77	108.3				
57.00		0.3125	31.690	31.574	3967.8	25.03	101.41	65	77	107.7				
58.00		0.3125	31.525	31.408	3905.5	24.89	100.88	65	78	107.2				
59.00		0.3125	31.360	31.242	3843.9	24.75	100.35	65	78	106.6				
60.00		0.3125	31.195	31.076	3782.9	24.60	99.82	65	78	106.0				
61.00		0.3125	31.030	30.909	3722.6	24.46	99.30	65	78	105.5				
62.00		0.3125	30.865	30.743	3663.0	24.32	98.77	65	78	104.9				
63.00		0.3125	30.700	30.577	3603.9	24.18	98.24	65	78	104.3				
64.00		0.3125	30.535	30.411	3545.5	24.04	97.71	65	78	103.8				
65.00		0.3125	30.370	30.245	3487.8	23.90	97.18	65	79	103.2				
66.00		0.3125	30.205	30.079	3430.7	23.76	96.66	65	79	102.6				
67.00		0.3125	30.040	29.913	3374.2	23.61	96.13	65	79	102.1				
68.00		0.3125	29.875	29.747	3318.3	23.47	95.60	65	79	101.5				
69.00		0.3125	29.710	29.581	3263.0	23.33	95.07	65	79	100.9				
70.00		0.3125	29.545	29.415	3208.4	23.19	94.54	65	79	100.4				
71.00		0.3125	29.380	29.249	3154.4	23.05	94.02	65	80	99.8				
72.00		0.3125	29.215	29.083	3101.0	22.91	93.49	65	80	99.2				
73.00		0.3125	29.050	28.917	3048.2	22.76	92.96	65	80	98.7				
74.00		0.3125	28.885	28.751	2996.0	22.62	92.43	65	80	98.1				
75.00		0.3125	28.720	28.585	2944.4	22.48	91.90	65	80	97.6				
76.00		0.3125	28.555	28.419	2893.4	22.34	91.38	65	80	97.0				
77.00	Bot - Section 3	0.3125	28.390	28.253	2842.9	22.20	90.85	65	81	96.4				
78.00		0.3125	28.225	28.087	2793.1	22.06	90.32	65	81	154.4				
79.00		0.3125	28.060	27.921	2743.9	21.92	89.79	65	81	153.5				
80.00		0.3125	27.895	27.755	2695.2	21.77	89.26	65	81	152.6				
80.75	Top - Section 2	0.1875	28.146	16.880	1684.2	38.08	150.11	65	63	113.8				
81.00		0.1875	28.105	16.855	1676.8	38.02	149.89	65	63	14.3				
82.00		0.1875	27.940	16.756	1647.2	37.78	149.01	65	64	57.2				
83.00		0.1875	27.775	16.656	1618.0	37.55	148.13	65	64	56.8				
84.00		0.1875	27.610	16.556	1589.1	37.31	147.25	65	64	56.5				
85.00		0.1875	27.445	16.457	1560.6	37.08	146.37	65	64	56.2				
86.00		0.1875	27.280	16.357	1532.5	36.84	145.49	65	65	55.8				
87.00		0.1875	27.115	16.257	1504.6	36.61	144.61	65	65	55.5				
88.00		0.1875	26.950	16.158	1477.1	36.37	143.73	65	65	55.2				
89.00		0.1875	26.785	16.058	1450.0	36.13	142.85	65	65	54.8				
90.00		0.1875	26.620	15.959	1423.2	35.90	141.97	65	66	54.5				
91.00		0.1875	26.455	15.859	1396.7	35.66	141.09	65	66	54.1				
92.00		0.1875	26.290	15.759	1370.5	35.43	140.21	65	66	53.8				
93.00		0.1875	26.125	15.660	1344.7	35.19	139.33	65	66	53.5				
94.00		0.1875	25.960	15.560	1319.2	34.95	138.45	65	67	53.1				
95.00		0.1875	25.795	15.461	1294.0	34.72	137.57	65	67	52.8				
96.00		0.1875	25.630	15.361	1269.2	34.48	136.69	65	67	52.4				
97.00		0.1875	25.465	15.261	1244.6	34.25	135.81	65	67	52.1				
98.00		0.1875	25.300	15.162	1220.4	34.01	134.93	65	68	51.8				
99.00		0.1875	25.135	15.062	1196.5	33.78	134.05	65	68	51.4				
100.00		0.1875	24.970	14.962	1172.9	33.54	133.17	65	68	51.1				
101.00		0.1875	24.805	14.863	1149.7	33.30	132.29	65	68	50.7				
102.00		0.1875	24.640	14.763	1126.7	33.07	131.41	65	69	50.4				
103.00		0.1875	24.475	14.664	1104.1	32.83	130.53	65	69	50.1				
104.00		0.1875	24.310	14.564	1081.7	32.60	129.65	65	69	49.7				
105.00		0.1875	24.145	14.464	1059.7	32.36	128.77	65	69	49.4				
106.00		0.1875	23.980	14.365	1037.9	32.13	127.89	65	70	49.0				

Increment Length: 1 (ft)

Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)	Additional Reinforcing			
											Area (in^2)	Ixp (in^4)	Iyp (in^4)	Weight (lb)
107.00		0.1875	23.815	14.265	1016.5	31.89	127.01	65	70	48.7				
108.00		0.1875	23.650	14.165	995.3	31.65	126.13	65	70	48.4				
109.00		0.1875	23.485	14.066	974.5	31.42	125.25	65	70	48.0				
110.00		0.1875	23.320	13.966	953.9	31.18	124.37	65	71	47.7				
111.00		0.1875	23.155	13.867	933.7	30.95	123.49	65	71	47.4				
112.00		0.1875	22.990	13.767	913.7	30.71	122.61	65	71	47.0				
113.00		0.1875	22.825	13.667	894.0	30.47	121.73	65	71	46.7				
114.00		0.1875	22.660	13.568	874.6	30.24	120.85	65	72	46.3				
115.00		0.1875	22.495	13.468	855.5	30.00	119.97	65	72	46.0				
116.00		0.1875	22.330	13.369	836.6	29.77	119.09	65	72	45.7				
117.00		0.1875	22.165	13.269	818.0	29.53	118.21	65	73	45.3				
118.00		0.1875	22.000	13.169	799.8	29.30	117.33	65	73	45.0				
Total Weight										13062.1				
											796.3			

Wind Loading - Shaft

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

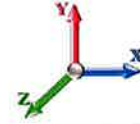
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Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 30

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00	RB1	1.00	0.85	29.133	32.05	382.13	0.850	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		1.00	0.85	29.133	32.05	380.58	0.850	0.705	1.00	3.484	2.96	94.9	0.0	197.3
2.00		1.00	0.85	29.133	32.05	379.02	0.850	0.756	1.00	3.470	2.95	94.5	0.0	196.5
3.00		1.00	0.85	29.133	32.05	377.46	0.850	0.787	1.00	3.456	2.94	94.1	0.0	195.7
4.00		1.00	0.85	29.133	32.05	375.90	0.850	0.810	1.00	3.442	2.93	93.7	0.0	194.8
5.00		1.00	0.85	29.133	32.05	374.34	0.850	0.828	1.00	3.427	2.91	93.4	0.0	194.0
6.00		1.00	0.85	29.133	32.05	372.79	0.850	0.843	1.00	3.413	2.90	93.0	0.0	193.2
6.50	RT1	1.00	0.85	29.133	32.05	372.01	0.850	0.850	0.50	1.701	1.45	46.3	0.0	96.3
7.00		1.00	0.85	29.133	32.05	371.23	0.850	0.856	0.50	1.698	1.44	46.2	0.0	96.1
8.00		1.00	0.85	29.133	32.05	369.67	0.850	0.868	1.00	3.385	2.88	92.2	0.0	191.6
9.00		1.00	0.85	29.133	32.05	368.11	0.850	0.878	1.00	3.370	2.86	91.8	0.0	190.8
10.00		1.00	0.85	29.133	32.05	366.55	0.850	0.887	1.00	3.356	2.85	91.4	0.0	190.0
11.00		1.00	0.85	29.133	32.05	365.00	0.850	0.896	1.00	3.342	2.84	91.0	0.0	189.2
12.00		1.00	0.85	29.133	32.05	363.44	0.850	0.904	1.00	3.328	2.83	90.6	0.0	188.3
13.00		1.00	0.85	29.133	32.05	361.88	0.850	0.911	1.00	3.314	2.82	90.3	0.0	187.5
14.00		1.00	0.85	29.133	32.05	360.32	0.850	0.918	1.00	3.299	2.80	89.9	0.0	186.7
15.00		1.00	0.85	29.133	32.05	358.76	0.850	0.924	1.00	3.285	2.79	89.5	0.0	185.9
16.00		1.00	0.86	29.492	32.44	359.41	0.850	0.930	1.00	3.271	2.78	90.2	0.0	185.1
17.00		1.00	0.87	29.871	32.86	360.13	0.850	0.936	1.00	3.257	2.77	91.0	0.0	184.3
18.00		1.00	0.88	30.233	33.26	360.71	0.850	0.941	1.00	3.242	2.76	91.7	0.0	183.5
19.00		1.00	0.89	30.579	33.64	361.18	0.850	0.946	1.00	3.228	2.74	92.3	0.0	182.6
20.00		1.00	0.90	30.911	34.00	361.53	0.850	0.951	1.00	3.214	2.73	92.9	0.0	181.8
21.00		1.00	0.91	31.230	34.35	361.78	0.850	0.956	1.00	3.200	2.72	93.4	0.0	181.0
22.00		1.00	0.92	31.537	34.69	361.93	0.850	0.960	1.00	3.185	2.71	93.9	0.0	180.2
23.00		1.00	0.93	31.834	35.02	362.00	0.850	0.965	1.00	3.171	2.70	94.4	0.0	179.4
24.00		1.00	0.94	32.120	35.33	361.99	0.850	0.969	1.00	3.157	2.68	94.8	0.0	178.6
25.00		1.00	0.95	32.398	35.64	361.91	0.850	0.973	1.00	3.143	2.67	95.2	0.0	177.8
26.00		1.00	0.95	32.666	35.93	361.75	0.850	0.976	1.00	3.128	2.66	95.6	0.0	176.9
27.00		1.00	0.96	32.927	36.22	361.54	0.850	0.980	1.00	3.114	2.65	95.9	0.0	176.1
28.00		1.00	0.97	33.180	36.50	361.26	0.850	0.984	1.00	3.100	2.64	96.2	0.0	175.3
29.00		1.00	0.98	33.426	36.77	360.93	0.850	0.987	1.00	3.086	2.62	96.4	0.0	174.5
30.00		1.00	0.98	33.665	37.03	360.54	0.850	0.991	1.00	3.072	2.61	96.7	0.0	173.7
31.00		1.00	0.99	33.899	37.29	360.11	0.850	0.994	1.00	3.057	2.60	96.9	0.0	172.9
32.00		1.00	1.00	34.126	37.54	359.63	0.850	0.997	1.00	3.043	2.59	97.1	0.0	172.1
33.00		1.00	1.00	34.348	37.78	359.10	0.850	1.000	1.00	3.029	2.57	97.3	0.0	171.3
34.00		1.00	1.01	34.564	38.02	358.54	0.850	1.003	1.00	3.015	2.56	97.4	0.0	170.4
35.00		1.00	1.01	34.776	38.25	357.93	0.850	1.006	1.00	3.000	2.55	97.6	0.0	169.6
36.00		1.00	1.02	34.983	38.48	357.29	0.850	1.009	1.00	2.986	2.54	97.7	0.0	168.8
37.00		1.00	1.03	35.185	38.70	356.61	0.850	1.012	1.00	2.972	2.53	97.8	0.0	168.0
38.00		1.00	1.03	35.383	38.92	355.89	0.850	1.014	1.00	2.958	2.51	97.8	0.0	167.2
39.00		1.00	1.04	35.577	39.13	355.14	0.850	1.017	1.00	2.943	2.50	97.9	0.0	166.4
40.00		1.00	1.04	35.767	39.34	354.37	0.850	1.019	1.00	2.929	2.49	98.0	0.0	165.6
40.75	Bot - Section 2	1.00	1.05	35.907	39.50	353.76	0.850	1.021	0.75	2.188	1.86	73.4	0.0	123.6
41.00		1.00	1.05	35.954	39.55	353.56	0.850	1.022	0.25	0.741	0.63	24.9	0.0	76.1
42.00		1.00	1.05	36.137	39.75	352.72	0.850	1.024	1.00	2.955	2.51	99.8	0.0	303.4
43.00		1.00	1.06	36.316	39.95	351.86	0.850	1.027	1.00	2.940	2.50	99.8	0.0	301.9
44.00		1.00	1.06	36.492	40.14	350.96	0.850	1.029	1.00	2.926	2.49	99.8	0.0	300.4

Wind Loading - Shaft

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

12/1/2022



TES

Tower Engineering Solutions

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45.00 Top - Section 1	1.00	1.07	36.665	40.33	350.05	0.850	1.032	1.00	2.912	2.48	99.8	0.0	298.9
46.00	1.00	1.07	36.835	40.52	355.74	0.850	1.034	1.00	2.898	2.46	99.8	0.0	136.7
47.00	1.00	1.08	37.003	40.70	354.79	0.850	1.036	1.00	2.883	2.45	99.8	0.0	136.0
48.00	1.00	1.08	37.167	40.88	353.82	0.850	1.038	1.00	2.869	2.44	99.7	0.0	135.4
49.00	1.00	1.09	37.329	41.06	352.83	0.850	1.040	1.00	2.855	2.43	99.6	0.0	134.7
50.00	1.00	1.09	37.488	41.24	351.81	0.850	1.042	1.00	2.841	2.41	99.6	0.0	134.0
51.00	1.00	1.10	37.644	41.41	350.77	0.850	1.044	1.00	2.827	2.40	99.5	0.0	133.3
52.00	1.00	1.10	37.799	41.58	349.72	0.850	1.047	1.00	2.812	2.39	99.4	0.0	132.7
53.00	1.00	1.11	37.950	41.75	348.64	0.850	1.049	1.00	2.798	2.38	99.3	0.0	132.0
54.00	1.00	1.11	38.100	41.91	347.54	0.850	1.050	1.00	2.784	2.37	99.2	0.0	131.3
55.00	1.00	1.12	38.248	42.07	346.43	0.850	1.052	1.00	2.770	2.35	99.0	0.0	130.6
56.00	1.00	1.12	38.393	42.23	345.30	0.850	1.054	1.00	2.755	2.34	98.9	0.0	129.9
57.00	1.00	1.12	38.536	42.39	344.15	0.850	1.056	1.00	2.741	2.33	98.8	0.0	129.3
58.00	1.00	1.13	38.678	42.55	342.99	0.850	1.058	1.00	2.727	2.32	98.6	0.0	128.6
59.00	1.00	1.13	38.817	42.70	341.81	0.850	1.060	1.00	2.713	2.31	98.5	0.0	127.9
60.00	1.00	1.14	38.955	42.85	340.61	0.850	1.062	1.00	2.698	2.29	98.3	0.0	127.2
61.00	1.00	1.14	39.090	43.00	339.40	0.850	1.063	1.00	2.684	2.28	98.1	0.0	126.6
62.00	1.00	1.14	39.224	43.15	338.17	0.850	1.065	1.00	2.670	2.27	97.9	0.0	125.9
63.00	1.00	1.15	39.357	43.29	336.93	0.850	1.067	1.00	2.656	2.26	97.7	0.0	125.2
64.00	1.00	1.15	39.487	43.44	335.68	0.850	1.068	1.00	2.641	2.25	97.5	0.0	124.5
65.00	1.00	1.16	39.617	43.58	334.41	0.850	1.070	1.00	2.627	2.23	97.3	0.0	123.8
66.00	1.00	1.16	39.744	43.72	333.13	0.850	1.072	1.00	2.613	2.22	97.1	0.0	123.2
67.00	1.00	1.16	39.870	43.86	331.83	0.850	1.073	1.00	2.599	2.21	96.9	0.0	122.5
68.00	1.00	1.17	39.995	43.99	330.52	0.850	1.075	1.00	2.585	2.20	96.6	0.0	121.8
69.00	1.00	1.17	40.118	44.13	329.20	0.850	1.077	1.00	2.570	2.18	96.4	0.0	121.1
70.00	1.00	1.17	40.240	44.26	327.87	0.850	1.078	1.00	2.556	2.17	96.2	0.0	120.5
71.00	1.00	1.18	40.360	44.40	326.53	0.850	1.080	1.00	2.542	2.16	95.9	0.0	119.8
72.00	1.00	1.18	40.479	44.53	325.17	0.850	1.081	1.00	2.528	2.15	95.7	0.0	119.1
73.00	1.00	1.18	40.597	44.66	323.81	0.850	1.083	1.00	2.513	2.14	95.4	0.0	118.4
74.00	1.00	1.19	40.713	44.78	322.43	0.850	1.084	1.00	2.499	2.12	95.1	0.0	117.7
75.00	1.00	1.19	40.828	44.91	321.04	0.850	1.086	1.00	2.485	2.11	94.9	0.0	117.1
76.00	1.00	1.19	40.942	45.04	319.64	0.850	1.087	1.00	2.471	2.10	94.6	0.0	116.4
77.00 Bot - Section 3	1.00	1.20	41.055	45.16	318.23	0.850	1.088	1.00	2.456	2.09	94.3	0.0	115.7
78.00	1.00	1.20	41.167	45.28	316.81	0.850	1.090	1.00	2.441	2.08	94.0	0.0	115.0
79.00	1.00	1.20	41.277	45.41	315.38	0.850	1.091	1.00	2.426	2.07	93.7	0.0	114.3
80.00	1.00	1.21	41.387	45.53	313.94	0.850	1.093	1.00	2.411	2.06	93.4	0.0	113.6
80.75 Top - Section 2	1.00	1.21	41.468	45.61	312.86	0.850	1.094	0.75	1.825	1.55	70.8	0.0	136.6
81.00	1.00	1.21	41.495	45.64	316.72	0.850	1.094	0.25	0.607	0.52	23.5	0.0	17.2
82.00	1.00	1.21	41.602	45.76	315.27	0.850	1.095	1.00	2.418	2.05	94.0	0.0	68.6
83.00	1.00	1.22	41.709	45.88	313.81	0.850	1.097	1.00	2.403	2.04	93.7	0.0	68.2
84.00	1.00	1.22	41.814	46.00	312.34	0.850	1.098	1.00	2.389	2.03	93.4	0.0	67.8
85.00	1.00	1.22	41.918	46.11	310.86	0.850	1.099	1.00	2.375	2.02	93.1	0.0	67.4
86.00	1.00	1.23	42.022	46.22	309.37	0.850	1.101	1.00	2.361	2.01	92.8	0.0	67.0
87.00	1.00	1.23	42.124	46.34	307.87	0.850	1.102	1.00	2.346	1.99	92.4	0.0	66.6
88.00	1.00	1.23	42.226	46.45	306.37	0.850	1.103	1.00	2.332	1.98	92.1	0.0	66.2
89.00	1.00	1.23	42.326	46.56	304.85	0.850	1.104	1.00	2.318	1.97	91.7	0.0	65.8
90.00	1.00	1.24	42.426	46.67	303.33	0.850	1.106	1.00	2.304	1.96	91.4	0.0	65.4
91.00	1.00	1.24	42.525	46.78	301.80	0.850	1.107	1.00	2.289	1.95	91.0	0.0	65.0
92.00	1.00	1.24	42.623	46.88	300.26	0.850	1.108	1.00	2.275	1.93	90.7	0.0	64.6
93.00	1.00	1.25	42.720	46.99	298.72	0.850	1.109	1.00	2.261	1.92	90.3	0.0	64.1
94.00	1.00	1.25	42.816	47.10	297.17	0.850	1.110	1.00	2.247	1.91	89.9	0.0	63.7
95.00	1.00	1.25	42.912	47.20	295.61	0.850	1.112	1.00	2.233	1.90	89.6	0.0	63.3
96.00	1.00	1.25	43.006	47.31	294.04	0.850	1.113	1.00	2.218	1.89	89.2	0.0	62.9
97.00	1.00	1.26	43.100	47.41	292.47	0.850	1.114	1.00	2.204	1.87	88.8	0.0	62.5
98.00	1.00	1.26	43.193	47.51	290.89	0.850	1.115	1.00	2.190	1.86	88.4	0.0	62.1
99.00 Appurtenance(s)	1.00	1.26	43.286	47.61	289.30	0.850	1.116	1.00	2.176	1.85	88.1	0.0	61.7
100.00	1.00	1.27	43.377	47.72	287.70	0.850	1.117	1.00	2.161	1.84	87.7	0.0	61.3

Wind Loading - Shaft

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

12/1/2022

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101.00	1.00	1.27	43.468	47.82	286.10	0.850	1.118	1.00	2.147	1.83	87.3	0.0	60.9
102.00	1.00	1.27	43.559	47.91	284.49	0.850	1.119	1.00	2.133	1.81	86.9	0.0	60.5
103.00	1.00	1.27	43.648	48.01	282.88	0.850	1.121	1.00	2.119	1.80	86.5	0.0	60.1
104.00	1.00	1.28	43.737	48.11	281.26	0.850	1.122	1.00	2.104	1.79	86.1	0.0	59.7
105.00	1.00	1.28	43.825	48.21	279.63	0.850	1.123	1.00	2.090	1.78	85.6	0.0	59.3
106.00	1.00	1.28	43.913	48.30	278.00	0.850	1.124	1.00	2.076	1.76	85.2	0.0	58.9
107.00	1.00	1.28	44.000	48.40	276.36	0.850	1.125	1.00	2.062	1.75	84.8	0.0	58.5
108.00 Appurtenance(s)	1.00	1.29	44.086	48.49	274.71	0.850	1.126	1.00	2.047	1.74	84.4	0.0	58.0
109.00	1.00	1.29	44.172	48.59	273.06	0.850	1.127	1.00	2.033	1.73	84.0	0.0	57.6
110.00	1.00	1.29	44.257	48.68	271.40	0.850	1.128	1.00	2.019	1.72	83.5	0.0	57.2
111.00	1.00	1.29	44.341	48.78	269.74	0.850	1.129	1.00	2.005	1.70	83.1	0.0	56.8
112.00	1.00	1.30	44.425	48.87	268.07	0.850	1.130	1.00	1.991	1.69	82.7	0.0	56.4
113.00	1.00	1.30	44.508	48.96	266.39	0.850	1.131	1.00	1.976	1.68	82.2	0.0	56.0
114.00	1.00	1.30	44.591	49.05	264.71	0.850	1.132	1.00	1.962	1.67	81.8	0.0	55.6
115.00	1.00	1.30	44.673	49.14	263.03	0.850	1.133	1.00	1.948	1.66	81.4	0.0	55.2
116.00	1.00	1.31	44.754	49.23	261.34	0.850	1.134	1.00	1.934	1.64	80.9	0.0	54.8
117.00	1.00	1.31	44.835	49.32	259.64	0.850	1.135	1.00	1.919	1.63	80.5	0.0	54.4
118.00 Appurtenance(s)	1.00	1.31	44.916	49.41	257.94	0.850	1.136	1.00	1.905	1.62	80.0	0.0	54.0
Totals:								118.00		11,006.4		15,674.5	

Discrete Appurtenance Forces

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

12/1/2022

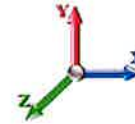
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Topography: 1

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 30

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	118.00	MS-H1436 (Heavy Collar)	1	44.916	49.407	1.00	1.00	2.25	164.04	0.000	0.000	111.17	0.00	0.00
2	118.00	AIR6449 B41	3	44.916	49.407	0.53	0.75	9.03	370.80	0.000	0.000	445.94	0.00	0.00
3	118.00	RRUS 4415 B25	3	44.916	49.407	0.38	0.75	1.84	165.60	0.000	0.000	91.16	0.00	0.00
4	118.00	4449 B71 + B85	3	44.916	49.407	0.38	0.75	2.22	263.52	0.000	0.000	109.50	0.00	0.00
5	118.00	Kickers and Braces	1	44.916	49.407	1.00	1.00	7.00	175.20	0.000	0.000	345.85	0.00	0.00
6	118.00	ALU - External Notch	3	45.075	49.582	0.38	0.75	0.88	31.68	0.000	2.000	43.51	0.00	87.02
7	118.00	APXVAALL24_43-U-NA20	3	44.916	49.407	0.52	0.75	31.88	460.80	0.000	0.000	1575.00	0.00	0.00
8	118.00	800 MHz RRH	3	45.075	49.582	0.38	0.75	2.80	190.80	0.000	2.000	138.89	0.00	277.78
9	118.00	ACU-A20-N	4	45.075	49.582	0.38	0.75	0.21	4.80	0.000	2.000	10.41	0.00	20.82
10	118.00	KRD 9011461-B66A-B2A	3	44.916	49.407	0.65	0.75	12.74	475.92	0.000	0.000	629.61	0.00	0.00
11	118.00	Platform w/ Hand Rails	1	44.916	49.407	1.00	1.00	39.00	2400.00	0.000	0.000	1926.88	0.00	0.00
12	108.00	Raycap DC6-48-60-18-8F	3	44.086	48.495	0.38	0.75	1.04	118.08	0.000	0.000	50.19	0.00	0.00
13	108.00	ERICSSON RRUS 4449	3	44.086	48.495	0.38	0.75	2.22	262.80	0.000	0.000	107.48	0.00	0.00
14	108.00	Ericsson RRUS 8843 B2	3	44.086	48.495	0.38	0.75	1.84	259.20	0.000	0.000	89.47	0.00	0.00
15	108.00	Ericsson RRUS 4478 B14	3	44.086	48.495	0.38	0.75	1.86	213.84	0.000	0.000	90.02	0.00	0.00
16	108.00	Cci TPA65R-BU6DA-K	3	44.086	48.495	0.54	0.75	20.85	248.40	0.000	0.000	1011.08	0.00	0.00
17	108.00	Ericsson AIR6419 B77G	3	44.086	48.495	0.57	0.75	6.50	237.96	0.000	0.000	315.12	0.00	0.00
18	108.00	Ericsson AIR6449 B77D	3	44.086	48.495	0.64	0.75	7.90	316.80	0.000	0.000	383.04	0.00	0.00
19	108.00	Platform + HR & V-Brace	1	44.086	48.495	1.00	1.00	48.00	2695.20	0.000	0.000	2327.74	0.00	0.00
20	108.00	Cci DMP65R-BU6DA	3	44.086	48.495	0.54	0.75	20.59	285.84	0.000	0.000	998.51	0.00	0.00
21	99.00	Samsung RF4439d-25A -	3	43.468	47.815	0.38	0.75	2.11	268.92	0.000	2.000	101.13	0.00	202.26
22	99.00	JMA MX06FRO660-03	3	43.286	47.614	0.65	0.75	19.32	216.00	0.000	0.000	919.93	0.00	0.00
23	99.00	JMA MX06FRO660-03	3	43.286	47.614	0.65	0.75	19.32	216.00	0.000	0.000	919.93	0.00	0.00
24	99.00	Samsung MT6407-77A	3	43.286	47.614	0.52	0.75	7.39	313.56	0.000	0.000	351.71	0.00	0.00
25	99.00	Low Profile Platform	1	43.286	47.614	1.00	1.00	30.00	1922.40	0.000	0.000	1428.43	0.00	0.00
26	99.00	Samsung RF4440d-13A -	3	43.468	47.815	0.38	0.75	2.11	253.19	0.000	2.000	101.13	0.00	202.26
27	99.00	RFS DB-T1-6Z-8AB-0Z -	2	43.286	47.614	0.38	0.75	3.60	105.60	0.000	0.000	171.41	0.00	0.00
28	99.00	Support Rail Kit - Mods	1	43.286	47.614	1.00	1.00	10.30	711.60	0.000	0.000	490.43	0.00	0.00
Totals:									13,348.55			15,284.67		

Total Applied Force Summary

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

12/1/2022

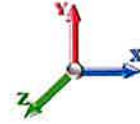
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Topography: 1

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 30

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
1.00		110.93	212.03	0.00	0.00
2.00		110.55	211.22	0.00	0.00
3.00		110.16	210.41	0.00	0.00
4.00		109.77	209.59	0.00	0.00
5.00		109.38	208.78	0.00	0.00
6.00		108.99	207.97	0.00	0.00
6.50		54.35	103.68	0.00	0.00
7.00		54.25	103.47	0.00	0.00
8.00		108.22	206.34	0.00	0.00
9.00		107.83	205.53	0.00	0.00
10.00		95.43	204.71	0.00	0.00
11.00		91.03	203.90	0.00	0.00
12.00		90.65	203.09	0.00	0.00
13.00		90.26	202.27	0.00	0.00
14.00		89.87	201.46	0.00	0.00
15.00		89.48	200.64	0.00	0.00
16.00		90.19	199.83	0.00	0.00
17.00		90.96	199.02	0.00	0.00
18.00		91.65	198.20	0.00	0.00
19.00		92.30	197.39	0.00	0.00
20.00		92.89	196.58	0.00	0.00
21.00		93.43	195.76	0.00	0.00
22.00		93.93	194.95	0.00	0.00
23.00		94.39	194.14	0.00	0.00
24.00		94.81	193.32	0.00	0.00
25.00		95.20	192.51	0.00	0.00
26.00		95.55	191.70	0.00	0.00
27.00		95.88	190.88	0.00	0.00
28.00		96.17	190.07	0.00	0.00
29.00		96.44	189.26	0.00	0.00
30.00		96.68	188.44	0.00	0.00
31.00		96.90	187.63	0.00	0.00
32.00		97.10	186.81	0.00	0.00
33.00		97.27	186.00	0.00	0.00
34.00		97.42	185.19	0.00	0.00
35.00		97.56	184.37	0.00	0.00
36.00		97.67	183.56	0.00	0.00
37.00		97.77	182.75	0.00	0.00
38.00		97.85	181.93	0.00	0.00
39.00		97.91	181.12	0.00	0.00
40.00		97.96	180.31	0.00	0.00
40.75		73.44	134.70	0.00	0.00
41.00		24.91	79.76	0.00	0.00
42.00		99.83	318.11	0.00	0.00
43.00		99.84	316.62	0.00	0.00
44.00		99.84	315.13	0.00	0.00

Total Applied Force Summary

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

12/1/2022

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45.00	99.83	313.64	0.00	0.00
46.00	99.80	151.47	0.00	0.00
47.00	99.76	150.79	0.00	0.00
48.00	99.71	150.11	0.00	0.00
49.00	99.65	149.44	0.00	0.00
50.00	99.57	148.76	0.00	0.00
51.00	99.49	148.08	0.00	0.00
52.00	99.39	147.40	0.00	0.00
53.00	99.28	146.72	0.00	0.00
54.00	99.17	146.05	0.00	0.00
55.00	99.04	145.37	0.00	0.00
56.00	98.91	144.69	0.00	0.00
57.00	98.77	144.01	0.00	0.00
58.00	98.61	143.33	0.00	0.00
59.00	98.45	142.66	0.00	0.00
60.00	98.28	141.98	0.00	0.00
61.00	98.11	141.30	0.00	0.00
62.00	97.92	140.62	0.00	0.00
63.00	97.73	139.94	0.00	0.00
64.00	97.52	139.27	0.00	0.00
65.00	97.32	138.59	0.00	0.00
66.00	97.10	137.91	0.00	0.00
67.00	96.88	137.23	0.00	0.00
68.00	96.65	136.55	0.00	0.00
69.00	96.41	135.88	0.00	0.00
70.00	96.17	135.20	0.00	0.00
71.00	95.92	134.52	0.00	0.00
72.00	95.66	133.84	0.00	0.00
73.00	95.40	133.17	0.00	0.00
74.00	95.13	132.49	0.00	0.00
75.00	94.86	131.81	0.00	0.00
76.00	94.58	131.13	0.00	0.00
77.00	94.29	130.45	0.00	0.00
78.00	95.25	200.02	0.00	0.00
79.00	94.95	198.94	0.00	0.00
80.00	94.65	197.85	0.00	0.00
80.75	70.77	147.68	0.00	0.00
81.00	23.54	20.91	0.00	0.00
82.00	94.04	83.37	0.00	0.00
83.00	93.73	82.96	0.00	0.00
84.00	93.41	82.56	0.00	0.00
85.00	93.08	82.15	0.00	0.00
86.00	92.75	81.74	0.00	0.00
87.00	92.42	81.34	0.00	0.00
88.00	92.08	80.93	0.00	0.00
89.00	91.73	80.52	0.00	0.00
90.00	91.38	80.12	0.00	0.00
91.00	91.03	79.71	0.00	0.00
92.00	90.67	79.30	0.00	0.00
93.00	90.31	78.90	0.00	0.00
94.00	89.94	78.49	0.00	0.00
95.00	89.57	78.08	0.00	0.00
96.00	89.20	77.68	0.00	0.00
97.00	88.82	77.27	0.00	0.00
98.00	88.44	76.86	0.00	0.00
99.00	(19) attachments 4572.16	4083.72	0.00	404.52
100.00	87.66	73.41	0.00	0.00

Total Applied Force Summary

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Page: 16
	Struct Class: II	



101.00		87.27	73.00	0.00	0.00
102.00		86.87	72.59	0.00	0.00
103.00		86.46	72.19	0.00	0.00
104.00		86.06	71.78	0.00	0.00
105.00		85.65	71.37	0.00	0.00
106.00		85.24	70.97	0.00	0.00
107.00		84.82	70.56	0.00	0.00
108.00	(25) attachments	5457.05	4708.27	0.00	0.00
109.00		83.97	63.44	0.00	0.00
110.00		83.55	63.03	0.00	0.00
111.00		83.12	62.62	0.00	0.00
112.00		82.68	62.21	0.00	0.00
113.00		82.24	61.81	0.00	0.00
114.00		81.80	61.40	0.00	0.00
115.00		81.36	60.99	0.00	0.00
116.00		80.91	60.59	0.00	0.00
117.00		80.46	60.18	0.00	0.00
118.00	(28) attachments	5507.92	4762.93	0.00	385.63
	Totals:	26,439.25	30,650.00	0.00	790.14

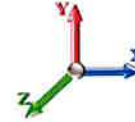
Linear Appurtenance Segment Forces (Factored)

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Page: 17
	Struct Class: II	



Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 30

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
1.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	29.133	16.02	0.00
2.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	29.133	16.02	0.00
3.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	29.133	16.02	0.00
4.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	29.133	16.02	0.00
5.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	29.133	16.02	0.00
6.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	29.133	16.02	0.00
6.50	1.5" Reinforcing Plate	Yes	0.50	2.000	3.00	0.13	0.25	0.000	0.000	29.133	8.01	0.00
7.00	1.5" Reinforcing Plate	Yes	0.50	2.000	3.00	0.13	0.25	0.000	0.000	29.133	8.01	0.00
8.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	29.133	16.02	0.00
9.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	29.133	16.02	0.00
10.00	1.5" Reinforcing Plate	Yes	0.25	2.000	3.00	0.06	0.13	0.000	0.000	29.133	4.01	0.00
Totals:											148.2	0.0

Calculated Forces

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

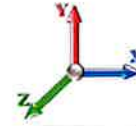
12/1/2022

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Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 30

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-30.64	-26.45	0.00	-2429.1	0.00	2429.15	3290.40	849.68	2838.99	2685.80	0.00	0.000	0.000	0.649
1.00	-30.40	-26.37	0.00	-2402.7	0.00	2402.70	3282.44	846.18	2815.67	2668.18	0.01	-0.049	0.000	0.645
2.00	-30.17	-26.28	0.00	-2376.3	0.00	2376.34	3274.43	842.68	2792.45	2650.57	0.02	-0.098	0.000	0.642
3.00	-29.94	-26.20	0.00	-2350.0	0.00	2350.05	3266.38	839.19	2769.32	2632.98	0.05	-0.147	0.000	0.638
4.00	-29.71	-26.11	0.00	-2323.8	0.00	2323.86	3258.28	835.69	2746.29	2615.40	0.08	-0.197	0.000	0.634
5.00	-29.47	-26.03	0.00	-2297.7	0.00	2297.74	3250.13	832.20	2723.36	2597.84	0.13	-0.246	0.000	0.630
6.00	-29.25	-25.94	0.00	-2271.7	0.00	2271.72	3241.94	828.70	2700.52	2580.31	0.19	-0.295	0.000	0.627
6.50	-29.14	-25.89	0.00	-2258.7	0.00	2258.75	3237.83	826.95	2689.14	2571.54	0.22	-0.320	0.000	0.625
6.50	-29.14	-25.89	0.00	-2258.7	0.00	2258.75	3237.83	826.95	2689.14	2571.54	0.22	-0.320	0.000	0.877
7.00	-29.01	-25.86	0.00	-2245.8	0.00	2245.80	3233.71	825.20	2677.78	2562.79	0.25	-0.344	0.000	0.886
8.00	-28.77	-25.79	0.00	-2219.9	0.00	2219.94	3225.42	821.71	2655.14	2545.29	0.33	-0.414	0.000	0.882
9.00	-28.54	-25.71	0.00	-2194.1	0.00	2194.15	3217.09	818.21	2632.59	2527.81	0.43	-0.484	0.000	0.878
10.00	-28.30	-25.65	0.00	-2168.4	0.00	2168.44	3208.72	814.71	2610.13	2510.35	0.54	-0.554	0.000	0.874
11.00	-28.07	-25.59	0.00	-2142.7	0.00	2142.78	3200.29	811.22	2587.78	2492.91	0.66	-0.624	0.000	0.869
12.00	-27.84	-25.53	0.00	-2117.1	0.00	2117.19	3191.83	807.72	2565.52	2475.49	0.80	-0.694	0.000	0.865
13.00	-27.60	-25.48	0.00	-2091.6	0.00	2091.66	3183.31	804.22	2543.35	2458.10	0.95	-0.764	0.000	0.861
14.00	-27.37	-25.42	0.00	-2066.1	0.00	2066.18	3174.75	800.73	2521.28	2440.72	1.12	-0.834	0.000	0.856
15.00	-27.14	-25.36	0.00	-2040.7	0.00	2040.77	3166.15	797.23	2499.31	2423.37	1.30	-0.905	0.000	0.852
16.00	-26.91	-25.30	0.00	-2015.4	0.00	2015.41	3157.49	793.73	2477.44	2406.05	1.50	-0.975	0.000	0.847
17.00	-26.68	-25.23	0.00	-1990.1	0.00	1990.11	3148.79	790.24	2455.66	2388.74	1.71	-1.045	0.000	0.843
18.00	-26.46	-25.17	0.00	-1964.8	0.00	1964.88	3140.05	786.74	2433.97	2371.46	1.94	-1.116	0.000	0.838
19.00	-26.23	-25.11	0.00	-1939.7	0.00	1939.71	3131.26	783.24	2412.39	2354.21	2.18	-1.186	0.000	0.833
20.00	-26.00	-25.04	0.00	-1914.6	0.00	1914.60	3122.42	779.75	2390.90	2336.98	2.44	-1.257	0.000	0.829
21.00	-25.78	-24.98	0.00	-1889.5	0.00	1889.56	3113.54	776.25	2369.50	2319.78	2.71	-1.327	0.000	0.824
22.00	-25.56	-24.91	0.00	-1864.5	0.00	1864.58	3104.61	772.75	2348.20	2302.60	2.99	-1.398	0.000	0.819
23.00	-25.33	-24.84	0.00	-1839.6	0.00	1839.67	3095.63	769.26	2327.00	2285.45	3.29	-1.468	0.000	0.814
24.00	-25.11	-24.77	0.00	-1814.8	0.00	1814.83	3086.61	765.76	2305.89	2268.32	3.61	-1.539	0.000	0.809
25.00	-24.89	-24.70	0.00	-1790.0	0.00	1790.06	3077.54	762.26	2284.88	2251.23	3.94	-1.609	0.000	0.804
26.00	-24.67	-24.63	0.00	-1765.3	0.00	1765.36	3068.43	758.77	2263.97	2234.16	4.28	-1.680	0.000	0.799
27.00	-24.46	-24.56	0.00	-1740.7	0.00	1740.72	3059.27	755.27	2243.15	2217.12	4.64	-1.750	0.000	0.794
28.00	-24.24	-24.49	0.00	-1716.1	0.00	1716.16	3050.06	751.77	2222.43	2200.10	5.02	-1.821	0.000	0.789
29.00	-24.02	-24.42	0.00	-1691.6	0.00	1691.68	3040.81	748.28	2201.80	2183.12	5.41	-1.891	0.000	0.784
30.00	-23.81	-24.34	0.00	-1667.2	0.00	1667.26	3031.51	744.78	2181.27	2166.17	5.81	-1.961	0.000	0.779
31.00	-23.59	-24.27	0.00	-1642.9	0.00	1642.92	3022.17	741.28	2160.84	2149.25	6.23	-2.032	0.000	0.773
32.00	-23.38	-24.19	0.00	-1618.6	0.00	1618.65	3012.78	737.79	2140.50	2132.35	6.66	-2.102	0.000	0.768
33.00	-23.17	-24.12	0.00	-1594.4	0.00	1594.46	3003.34	734.29	2120.26	2115.49	7.11	-2.172	0.000	0.762
34.00	-22.96	-24.04	0.00	-1570.3	0.00	1570.34	2993.86	730.79	2100.12	2098.66	7.57	-2.243	0.000	0.757
35.00	-22.75	-23.96	0.00	-1546.3	0.00	1546.30	2984.33	727.30	2080.07	2081.87	8.05	-2.313	0.000	0.751
36.00	-22.54	-23.89	0.00	-1522.3	0.00	1522.34	2974.76	723.80	2060.12	2065.10	8.54	-2.383	0.000	0.746
37.00	-22.33	-23.81	0.00	-1498.4	0.00	1498.45	2965.14	720.30	2040.26	2048.37	9.05	-2.453	0.000	0.740
38.00	-22.13	-23.73	0.00	-1474.6	0.00	1474.65	2955.47	716.81	2020.50	2031.68	9.57	-2.523	0.000	0.734
39.00	-21.92	-23.65	0.00	-1450.9	0.00	1450.92	2945.76	713.31	2000.83	2015.01	10.11	-2.593	0.000	0.729
40.00	-21.72	-23.57	0.00	-1427.2	0.00	1427.27	2936.00	709.81	1981.27	1998.38	10.66	-2.662	0.000	0.723
40.75	-21.58	-23.50	0.00	-1409.5	0.00	1409.59	2928.65	707.19	1966.65	1985.93	11.08	-2.714	0.000	0.718
41.00	-21.48	-23.49	0.00	-1403.7	0.00	1403.72	2926.19	706.32	1961.80	1981.79	11.22	-2.732	0.000	0.717
42.00	-21.14	-23.40	0.00	-1380.2	0.00	1380.23	2916.34	702.82	1942.42	1965.23	11.80	-2.801	0.000	0.711
43.00	-20.80	-23.31	0.00	-1356.8	0.00	1356.83	2906.44	699.32	1923.14	1948.71	12.40	-2.871	0.000	0.705
44.00	-20.46	-23.22	0.00	-1333.5	0.00	1333.52	2896.50	695.83	1903.96	1932.22	13.01	-2.940	0.000	0.698

Calculated Forces

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II
		Page: 19



45.00	-20.13	-23.13	0.00	-1310.3	0.00	1310.31	2282.79	589.08	1637.53	1550.20	13.63	-3.009	0.000	0.856
46.00	-19.95	-23.04	0.00	-1287.1	0.00	1287.18	2276.14	586.17	1621.37	1537.97	14.27	-3.077	0.000	0.847
47.00	-19.77	-22.96	0.00	-1264.1	0.00	1264.14	2269.44	583.26	1605.29	1525.75	14.92	-3.155	0.000	0.839
48.00	-19.60	-22.88	0.00	-1241.1	0.00	1241.18	2262.69	580.34	1589.29	1513.54	15.59	-3.232	0.000	0.830
49.00	-19.42	-22.80	0.00	-1218.3	0.00	1218.30	2255.90	577.43	1573.37	1501.35	16.27	-3.308	0.000	0.822
50.00	-19.25	-22.72	0.00	-1195.5	0.00	1195.50	2249.07	574.51	1557.53	1489.18	16.97	-3.385	0.000	0.813
51.00	-19.08	-22.63	0.00	-1172.7	0.00	1172.78	2242.18	571.60	1541.77	1477.02	17.69	-3.461	0.000	0.804
52.00	-18.91	-22.55	0.00	-1150.1	0.00	1150.15	2235.25	568.69	1526.09	1464.87	18.42	-3.537	0.000	0.795
53.00	-18.74	-22.47	0.00	-1127.6	0.00	1127.60	2228.28	565.77	1510.49	1452.75	19.17	-3.612	0.000	0.786
54.00	-18.57	-22.38	0.00	-1105.1	0.00	1105.13	2221.25	562.86	1494.98	1440.64	19.94	-3.688	0.000	0.777
55.00	-18.40	-22.30	0.00	-1082.7	0.00	1082.75	2214.18	559.94	1479.54	1428.55	20.72	-3.762	0.000	0.768
56.00	-18.24	-22.21	0.00	-1060.4	0.00	1060.45	2207.07	557.03	1464.18	1416.48	21.51	-3.837	0.000	0.759
57.00	-18.07	-22.13	0.00	-1038.2	0.00	1038.24	2199.91	554.12	1448.90	1404.42	22.33	-3.911	0.000	0.749
58.00	-17.91	-22.04	0.00	-1016.1	0.00	1016.11	2192.70	551.20	1433.70	1392.39	23.15	-3.985	0.000	0.740
59.00	-17.74	-21.96	0.00	-994.07	0.00	994.07	2185.45	548.29	1418.58	1380.37	23.99	-4.058	0.000	0.730
60.00	-17.58	-21.87	0.00	-972.11	0.00	972.11	2178.15	545.38	1403.55	1368.38	24.85	-4.131	0.000	0.720
61.00	-17.42	-21.79	0.00	-950.24	0.00	950.24	2170.81	542.46	1388.59	1356.41	25.72	-4.203	0.000	0.710
62.00	-17.26	-21.70	0.00	-928.45	0.00	928.45	2163.42	539.55	1373.71	1344.45	26.61	-4.275	0.000	0.700
63.00	-17.10	-21.61	0.00	-906.75	0.00	906.75	2155.98	536.63	1358.91	1332.52	27.51	-4.346	0.000	0.690
64.00	-16.94	-21.53	0.00	-885.14	0.00	885.14	2148.49	533.72	1344.20	1320.61	28.43	-4.417	0.000	0.680
65.00	-16.79	-21.44	0.00	-863.62	0.00	863.62	2140.97	530.81	1329.56	1308.73	29.36	-4.487	0.000	0.669
66.00	-16.63	-21.35	0.00	-842.18	0.00	842.18	2133.39	527.89	1315.00	1296.86	30.31	-4.556	0.000	0.659
67.00	-16.48	-21.26	0.00	-820.83	0.00	820.83	2125.77	524.98	1300.52	1285.02	31.27	-4.625	0.000	0.648
68.00	-16.32	-21.18	0.00	-799.57	0.00	799.57	2118.10	522.06	1286.13	1273.21	32.25	-4.694	0.000	0.637
69.00	-16.17	-21.09	0.00	-778.39	0.00	778.39	2110.39	519.15	1271.81	1261.42	33.24	-4.761	0.000	0.626
70.00	-16.02	-21.00	0.00	-757.30	0.00	757.30	2102.63	516.24	1257.57	1249.65	34.24	-4.828	0.000	0.615
71.00	-15.87	-20.91	0.00	-736.31	0.00	736.31	2094.82	513.32	1243.42	1237.91	35.26	-4.895	0.000	0.604
72.00	-15.72	-20.82	0.00	-715.40	0.00	715.40	2086.97	510.41	1229.34	1226.19	36.29	-4.960	0.000	0.593
73.00	-15.57	-20.73	0.00	-694.58	0.00	694.58	2079.07	507.50	1215.35	1214.51	37.33	-5.025	0.000	0.581
74.00	-15.43	-20.64	0.00	-673.85	0.00	673.85	2071.12	504.58	1201.43	1202.84	38.39	-5.089	0.000	0.569
75.00	-15.28	-20.55	0.00	-653.20	0.00	653.20	2063.13	501.67	1187.59	1191.21	39.46	-5.152	0.000	0.557
76.00	-15.14	-20.46	0.00	-632.65	0.00	632.65	2055.10	498.75	1173.84	1179.60	40.55	-5.214	0.000	0.545
77.00	-14.99	-20.37	0.00	-612.19	0.00	612.19	2047.01	495.84	1160.16	1168.02	41.65	-5.275	0.000	0.533
78.00	-14.78	-20.28	0.00	-591.82	0.00	591.82	2038.89	492.93	1146.57	1156.47	42.76	-5.335	0.000	0.521
79.00	-14.57	-20.18	0.00	-571.54	0.00	571.54	2030.71	490.01	1133.05	1144.95	43.88	-5.394	0.000	0.508
80.00	-14.37	-20.08	0.00	-551.37	0.00	551.37	2022.49	487.10	1119.62	1133.46	45.01	-5.453	0.000	0.495
80.75	-14.22	-20.00	0.00	-536.31	0.00	536.31	959.89	296.25	690.22	547.79	45.87	-5.496	0.000	0.998
81.00	-14.18	-19.99	0.00	-531.31	0.00	531.31	959.45	295.81	688.19	546.73	46.16	-5.510	0.000	0.991
82.00	-14.08	-19.91	0.00	-511.32	0.00	511.32	957.66	294.06	680.08	542.46	47.32	-5.598	0.000	0.962
83.00	-13.97	-19.83	0.00	-491.42	0.00	491.42	955.82	292.31	672.01	538.18	48.50	-5.685	0.000	0.932
84.00	-13.87	-19.75	0.00	-471.59	0.00	471.59	953.93	290.56	664.00	533.88	49.70	-5.770	0.000	0.902
85.00	-13.77	-19.66	0.00	-451.85	0.00	451.85	952.00	288.82	656.03	529.57	50.92	-5.852	0.000	0.872
86.00	-13.67	-19.58	0.00	-432.18	0.00	432.18	950.03	287.07	648.11	525.25	52.15	-5.933	0.000	0.842
87.00	-13.57	-19.50	0.00	-412.60	0.00	412.60	948.00	285.32	640.24	520.92	53.40	-6.011	0.000	0.811
88.00	-13.48	-19.42	0.00	-393.10	0.00	393.10	945.93	283.57	632.42	516.58	54.67	-6.087	0.000	0.780
89.00	-13.38	-19.34	0.00	-373.68	0.00	373.68	943.82	281.82	624.65	512.22	55.95	-6.161	0.000	0.748
90.00	-13.29	-19.25	0.00	-354.35	0.00	354.35	941.66	280.07	616.92	507.86	57.24	-6.233	0.000	0.717
91.00	-13.20	-19.17	0.00	-335.10	0.00	335.10	939.45	278.33	609.24	503.48	58.55	-6.302	0.000	0.684
92.00	-13.11	-19.08	0.00	-315.93	0.00	315.93	937.20	276.58	601.61	499.09	59.88	-6.368	0.000	0.652
93.00	-13.02	-19.00	0.00	-296.85	0.00	296.85	934.90	274.83	594.03	494.70	61.22	-6.432	0.000	0.619
94.00	-12.93	-18.92	0.00	-277.85	0.00	277.85	932.55	273.08	586.50	490.30	62.57	-6.492	0.000	0.585
95.00	-12.84	-18.83	0.00	-258.93	0.00	258.93	930.16	271.33	579.01	485.89	63.93	-6.550	0.000	0.552
96.00	-12.76	-18.74	0.00	-240.10	0.00	240.10	927.72	269.58	571.57	481.47	65.31	-6.605	0.000	0.517
97.00	-12.68	-18.66	0.00	-221.36	0.00	221.36	925.24	267.84	564.18	477.04	66.70	-6.657	0.000	0.483
98.00	-12.60	-18.57	0.00	-202.70	0.00	202.70	922.71	266.09	556.84	472.61	68.09	-6.705	0.000	0.447
99.00	-9.07	-13.56	0.00	-183.73	0.00	183.73	920.13	264.34	549.55	468.17	69.50	-6.750	0.000	0.405
100.00	-8.99	-13.47	0.00	-170.17	0.00	170.17	917.51	262.59	542.30	463.72	70.92	-6.792	0.000	0.379

Calculated Forces

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Page: 20
	Struct Class: II	



101.00	-8.92	-13.38	0.00	-156.70	0.00	156.70	914.84	260.84	535.11	459.27	72.34	-6.832	0.000	0.354
102.00	-8.85	-13.29	0.00	-143.32	0.00	143.32	912.12	259.09	527.96	454.82	73.77	-6.869	0.000	0.327
103.00	-8.78	-13.20	0.00	-130.03	0.00	130.03	909.36	257.35	520.86	450.36	75.21	-6.904	0.000	0.301
104.00	-8.72	-13.11	0.00	-116.82	0.00	116.82	906.56	255.60	513.80	445.90	76.66	-6.936	0.000	0.274
105.00	-8.65	-13.02	0.00	-103.71	0.00	103.71	903.70	253.85	506.80	441.43	78.11	-6.965	0.000	0.247
106.00	-8.58	-12.93	0.00	-90.69	0.00	90.69	900.80	252.10	499.84	436.96	79.57	-6.991	0.000	0.220
107.00	-8.52	-12.84	0.00	-77.76	0.00	77.76	897.86	250.35	492.93	432.49	81.03	-7.014	0.000	0.192
108.00	-4.51	-6.85	0.00	-64.91	0.00	64.91	894.87	248.60	486.07	428.01	82.50	-7.034	0.000	0.157
109.00	-4.46	-6.76	0.00	-58.06	0.00	58.06	891.83	246.86	479.26	423.53	83.97	-7.051	0.000	0.143
110.00	-4.40	-6.67	0.00	-51.30	0.00	51.30	888.75	245.11	472.50	419.06	85.45	-7.067	0.000	0.128
111.00	-4.35	-6.58	0.00	-44.62	0.00	44.62	885.62	243.36	465.78	414.58	86.93	-7.082	0.000	0.113
112.00	-4.30	-6.50	0.00	-38.04	0.00	38.04	882.44	241.61	459.11	410.10	88.41	-7.094	0.000	0.098
113.00	-4.25	-6.41	0.00	-31.54	0.00	31.54	879.22	239.86	452.49	405.62	89.89	-7.105	0.000	0.083
114.00	-4.19	-6.32	0.00	-25.14	0.00	25.14	875.95	238.11	445.92	401.14	91.38	-7.114	0.000	0.068
115.00	-4.14	-6.23	0.00	-18.82	0.00	18.82	872.64	236.37	439.39	396.67	92.86	-7.121	0.000	0.053
116.00	-4.09	-6.14	0.00	-12.59	0.00	12.59	869.28	234.62	432.92	392.19	94.35	-7.126	0.000	0.037
117.00	-4.04	-6.06	0.00	-6.44	0.00	6.44	865.87	232.87	426.49	387.72	95.84	-7.130	0.000	0.022
118.00	0.00	-5.51	0.00	-0.39	0.00	0.39	862.42	231.12	420.11	383.25	97.33	-7.131	0.000	0.002

Wind Loading - Shaft

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

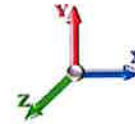
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Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90
Wind Load Factor 1.00



Iterations 29

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00	RB1	1.00	0.85	29.133	32.05	382.13	0.850	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		1.00	0.85	29.133	32.05	380.58	0.850	0.000	1.00	3.484	2.96	94.9	0.0	148.0
2.00		1.00	0.85	29.133	32.05	379.02	0.850	0.000	1.00	3.470	2.95	94.5	0.0	147.4
3.00		1.00	0.85	29.133	32.05	377.46	0.850	0.000	1.00	3.456	2.94	94.1	0.0	146.7
4.00		1.00	0.85	29.133	32.05	375.90	0.850	0.000	1.00	3.442	2.93	93.7	0.0	146.1
5.00		1.00	0.85	29.133	32.05	374.34	0.850	0.000	1.00	3.427	2.91	93.4	0.0	145.5
6.00		1.00	0.85	29.133	32.05	372.79	0.850	0.000	1.00	3.413	2.90	93.0	0.0	144.9
6.50	RT1	1.00	0.85	29.133	32.05	372.01	0.850	0.000	0.50	1.701	1.45	46.3	0.0	72.2
7.00		1.00	0.85	29.133	32.05	371.23	0.850	0.000	0.50	1.698	1.44	46.2	0.0	72.1
8.00		1.00	0.85	29.133	32.05	369.67	0.850	0.000	1.00	3.385	2.88	92.2	0.0	143.7
9.00		1.00	0.85	29.133	32.05	368.11	0.850	0.000	1.00	3.370	2.86	91.8	0.0	143.1
10.00		1.00	0.85	29.133	32.05	366.55	0.850	0.000	1.00	3.356	2.85	91.4	0.0	142.5
11.00		1.00	0.85	29.133	32.05	365.00	0.850	0.000	1.00	3.342	2.84	91.0	0.0	141.9
12.00		1.00	0.85	29.133	32.05	363.44	0.850	0.000	1.00	3.328	2.83	90.6	0.0	141.3
13.00		1.00	0.85	29.133	32.05	361.88	0.850	0.000	1.00	3.314	2.82	90.3	0.0	140.6
14.00		1.00	0.85	29.133	32.05	360.32	0.850	0.000	1.00	3.299	2.80	89.9	0.0	140.0
15.00		1.00	0.85	29.133	32.05	358.76	0.850	0.000	1.00	3.285	2.79	89.5	0.0	139.4
16.00		1.00	0.86	29.492	32.44	359.41	0.850	0.000	1.00	3.271	2.78	90.2	0.0	138.8
17.00		1.00	0.87	29.871	32.86	360.13	0.850	0.000	1.00	3.257	2.77	91.0	0.0	138.2
18.00		1.00	0.88	30.233	33.26	360.71	0.850	0.000	1.00	3.242	2.76	91.7	0.0	137.6
19.00		1.00	0.89	30.579	33.64	361.18	0.850	0.000	1.00	3.228	2.74	92.3	0.0	137.0
20.00		1.00	0.90	30.911	34.00	361.53	0.850	0.000	1.00	3.214	2.73	92.9	0.0	136.4
21.00		1.00	0.91	31.230	34.35	361.78	0.850	0.000	1.00	3.200	2.72	93.4	0.0	135.8
22.00		1.00	0.92	31.537	34.69	361.93	0.850	0.000	1.00	3.185	2.71	93.9	0.0	135.2
23.00		1.00	0.93	31.834	35.02	362.00	0.850	0.000	1.00	3.171	2.70	94.4	0.0	134.5
24.00		1.00	0.94	32.120	35.33	361.99	0.850	0.000	1.00	3.157	2.68	94.8	0.0	133.9
25.00		1.00	0.95	32.398	35.64	361.91	0.850	0.000	1.00	3.143	2.67	95.2	0.0	133.3
26.00		1.00	0.95	32.666	35.93	361.75	0.850	0.000	1.00	3.128	2.66	95.6	0.0	132.7
27.00		1.00	0.96	32.927	36.22	361.54	0.850	0.000	1.00	3.114	2.65	95.9	0.0	132.1
28.00		1.00	0.97	33.180	36.50	361.26	0.850	0.000	1.00	3.100	2.64	96.2	0.0	131.5
29.00		1.00	0.98	33.426	36.77	360.93	0.850	0.000	1.00	3.086	2.62	96.4	0.0	130.9
30.00		1.00	0.98	33.665	37.03	360.54	0.850	0.000	1.00	3.072	2.61	96.7	0.0	130.3
31.00		1.00	0.99	33.899	37.29	360.11	0.850	0.000	1.00	3.057	2.60	96.9	0.0	129.7
32.00		1.00	1.00	34.126	37.54	359.63	0.850	0.000	1.00	3.043	2.59	97.1	0.0	129.0
33.00		1.00	1.00	34.348	37.78	359.10	0.850	0.000	1.00	3.029	2.57	97.3	0.0	128.4
34.00		1.00	1.01	34.564	38.02	358.54	0.850	0.000	1.00	3.015	2.56	97.4	0.0	127.8
35.00		1.00	1.01	34.776	38.25	357.93	0.850	0.000	1.00	3.000	2.55	97.6	0.0	127.2
36.00		1.00	1.02	34.983	38.48	357.29	0.850	0.000	1.00	2.986	2.54	97.7	0.0	126.6
37.00		1.00	1.03	35.185	38.70	356.61	0.850	0.000	1.00	2.972	2.53	97.8	0.0	126.0
38.00		1.00	1.03	35.383	38.92	355.89	0.850	0.000	1.00	2.958	2.51	97.8	0.0	125.4
39.00		1.00	1.04	35.577	39.13	355.14	0.850	0.000	1.00	2.943	2.50	97.9	0.0	124.8
40.00		1.00	1.04	35.767	39.34	354.37	0.850	0.000	1.00	2.929	2.49	98.0	0.0	124.2
40.75	Bot - Section 2	1.00	1.05	35.907	39.50	353.76	0.850	0.000	0.75	2.188	1.86	73.4	0.0	92.7
41.00		1.00	1.05	35.954	39.55	353.56	0.850	0.000	0.25	0.741	0.63	24.9	0.0	57.1
42.00		1.00	1.05	36.137	39.75	352.72	0.850	0.000	1.00	2.955	2.51	99.8	0.0	227.5
43.00		1.00	1.06	36.316	39.95	351.86	0.850	0.000	1.00	2.940	2.50	99.8	0.0	226.4
44.00		1.00	1.06	36.492	40.14	350.96	0.850	0.000	1.00	2.926	2.49	99.8	0.0	225.3

Wind Loading - Shaft

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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45.00 Top - Section 1	1.00	1.07	36.665	40.33	350.05	0.850	0.000	1.00	2.912	2.48	99.8	0.0	224.2
46.00	1.00	1.07	36.835	40.52	355.74	0.850	0.000	1.00	2.898	2.46	99.8	0.0	102.5
47.00	1.00	1.08	37.003	40.70	354.79	0.850	0.000	1.00	2.883	2.45	99.8	0.0	102.0
48.00	1.00	1.08	37.167	40.88	353.82	0.850	0.000	1.00	2.869	2.44	99.7	0.0	101.5
49.00	1.00	1.09	37.329	41.06	352.83	0.850	0.000	1.00	2.855	2.43	99.6	0.0	101.0
50.00	1.00	1.09	37.488	41.24	351.81	0.850	0.000	1.00	2.841	2.41	99.6	0.0	100.5
51.00	1.00	1.10	37.644	41.41	350.77	0.850	0.000	1.00	2.827	2.40	99.5	0.0	100.0
52.00	1.00	1.10	37.799	41.58	349.72	0.850	0.000	1.00	2.812	2.39	99.4	0.0	99.5
53.00	1.00	1.11	37.950	41.75	348.64	0.850	0.000	1.00	2.798	2.38	99.3	0.0	99.0
54.00	1.00	1.11	38.100	41.91	347.54	0.850	0.000	1.00	2.784	2.37	99.2	0.0	98.5
55.00	1.00	1.12	38.248	42.07	346.43	0.850	0.000	1.00	2.770	2.35	99.0	0.0	98.0
56.00	1.00	1.12	38.393	42.23	345.30	0.850	0.000	1.00	2.755	2.34	98.9	0.0	97.5
57.00	1.00	1.12	38.536	42.39	344.15	0.850	0.000	1.00	2.741	2.33	98.8	0.0	96.9
58.00	1.00	1.13	38.678	42.55	342.99	0.850	0.000	1.00	2.727	2.32	98.6	0.0	96.4
59.00	1.00	1.13	38.817	42.70	341.81	0.850	0.000	1.00	2.713	2.31	98.5	0.0	95.9
60.00	1.00	1.14	38.955	42.85	340.61	0.850	0.000	1.00	2.698	2.29	98.3	0.0	95.4
61.00	1.00	1.14	39.090	43.00	339.40	0.850	0.000	1.00	2.684	2.28	98.1	0.0	94.9
62.00	1.00	1.14	39.224	43.15	338.17	0.850	0.000	1.00	2.670	2.27	97.9	0.0	94.4
63.00	1.00	1.15	39.357	43.29	336.93	0.850	0.000	1.00	2.656	2.26	97.7	0.0	93.9
64.00	1.00	1.15	39.487	43.44	335.68	0.850	0.000	1.00	2.641	2.25	97.5	0.0	93.4
65.00	1.00	1.16	39.617	43.58	334.41	0.850	0.000	1.00	2.627	2.23	97.3	0.0	92.9
66.00	1.00	1.16	39.744	43.72	333.13	0.850	0.000	1.00	2.613	2.22	97.1	0.0	92.4
67.00	1.00	1.16	39.870	43.86	331.83	0.850	0.000	1.00	2.599	2.21	96.9	0.0	91.9
68.00	1.00	1.17	39.995	43.99	330.52	0.850	0.000	1.00	2.585	2.20	96.6	0.0	91.4
69.00	1.00	1.17	40.118	44.13	329.20	0.850	0.000	1.00	2.570	2.18	96.4	0.0	90.8
70.00	1.00	1.17	40.240	44.26	327.87	0.850	0.000	1.00	2.556	2.17	96.2	0.0	90.3
71.00	1.00	1.18	40.360	44.40	326.53	0.850	0.000	1.00	2.542	2.16	95.9	0.0	89.8
72.00	1.00	1.18	40.479	44.53	325.17	0.850	0.000	1.00	2.528	2.15	95.7	0.0	89.3
73.00	1.00	1.18	40.597	44.66	323.81	0.850	0.000	1.00	2.513	2.14	95.4	0.0	88.8
74.00	1.00	1.19	40.713	44.78	322.43	0.850	0.000	1.00	2.499	2.12	95.1	0.0	88.3
75.00	1.00	1.19	40.828	44.91	321.04	0.850	0.000	1.00	2.485	2.11	94.9	0.0	87.8
76.00	1.00	1.19	40.942	45.04	319.64	0.850	0.000	1.00	2.471	2.10	94.6	0.0	87.3
77.00 Bot - Section 3	1.00	1.20	41.055	45.16	318.23	0.850	0.000	1.00	2.456	2.09	94.3	0.0	86.8
78.00	1.00	1.20	41.167	45.28	316.81	0.850	0.000	1.00	2.442	2.08	94.0	0.0	86.3
79.00	1.00	1.20	41.277	45.41	315.38	0.850	0.000	1.00	2.428	2.07	93.7	0.0	85.8
80.00	1.00	1.21	41.387	45.53	313.94	0.850	0.000	1.00	2.414	2.06	93.4	0.0	85.3
80.75 Top - Section 2	1.00	1.21	41.468	45.61	312.86	0.850	0.000	0.75	1.825	1.55	70.8	0.0	102.5
81.00	1.00	1.21	41.495	45.64	316.72	0.850	0.000	0.25	0.607	0.52	23.5	0.0	12.9
82.00	1.00	1.21	41.602	45.76	315.27	0.850	0.000	1.00	2.418	2.05	94.0	0.0	51.5
83.00	1.00	1.22	41.709	45.88	313.81	0.850	0.000	1.00	2.403	2.04	93.7	0.0	51.2
84.00	1.00	1.22	41.814	46.00	312.34	0.850	0.000	1.00	2.389	2.03	93.4	0.0	50.9
85.00	1.00	1.22	41.918	46.11	310.86	0.850	0.000	1.00	2.375	2.02	93.1	0.0	50.6
86.00	1.00	1.23	42.022	46.22	309.37	0.850	0.000	1.00	2.361	2.01	92.8	0.0	50.2
87.00	1.00	1.23	42.124	46.34	307.87	0.850	0.000	1.00	2.346	1.99	92.4	0.0	49.9
88.00	1.00	1.23	42.226	46.45	306.37	0.850	0.000	1.00	2.332	1.98	92.1	0.0	49.6
89.00	1.00	1.23	42.326	46.56	304.85	0.850	0.000	1.00	2.318	1.97	91.7	0.0	49.3
90.00	1.00	1.24	42.426	46.67	303.33	0.850	0.000	1.00	2.304	1.96	91.4	0.0	49.0
91.00	1.00	1.24	42.525	46.78	301.80	0.850	0.000	1.00	2.289	1.95	91.0	0.0	48.7
92.00	1.00	1.24	42.623	46.88	300.26	0.850	0.000	1.00	2.275	1.93	90.7	0.0	48.4
93.00	1.00	1.25	42.720	46.99	298.72	0.850	0.000	1.00	2.261	1.92	90.3	0.0	48.1
94.00	1.00	1.25	42.816	47.10	297.17	0.850	0.000	1.00	2.247	1.91	89.9	0.0	47.8
95.00	1.00	1.25	42.912	47.20	295.61	0.850	0.000	1.00	2.233	1.90	89.6	0.0	47.5
96.00	1.00	1.25	43.006	47.31	294.04	0.850	0.000	1.00	2.218	1.89	89.2	0.0	47.2
97.00	1.00	1.26	43.100	47.41	292.47	0.850	0.000	1.00	2.204	1.87	88.8	0.0	46.9
98.00	1.00	1.26	43.193	47.51	290.89	0.850	0.000	1.00	2.190	1.86	88.4	0.0	46.6
99.00 Appurtenance(s)	1.00	1.26	43.286	47.61	289.30	0.850	0.000	1.00	2.176	1.85	88.1	0.0	46.3
100.00	1.00	1.27	43.377	47.72	287.70	0.850	0.000	1.00	2.161	1.84	87.7	0.0	46.0

Wind Loading - Shaft

Structure: CT46133-A-SBA **Code:** TIA-222-H 12/1/2022
Site Name: Shelton-north **Exposure:** C
Height: 118.00 (ft) **Crest Height:** 0.00
Base Elev: 0.000 (ft) **Site Class:** D - Stiff Soil
Gh: 1.1 **Topography:** 1 **Struct Class:** II **Page:** 23



101.00	1.00	1.27	43.468	47.82	286.10	0.850	0.000	1.00	2.147	1.83	87.3	0.0	45.7
102.00	1.00	1.27	43.559	47.91	284.49	0.850	0.000	1.00	2.133	1.81	86.9	0.0	45.4
103.00	1.00	1.27	43.648	48.01	282.88	0.850	0.000	1.00	2.119	1.80	86.5	0.0	45.1
104.00	1.00	1.28	43.737	48.11	281.26	0.850	0.000	1.00	2.104	1.79	86.1	0.0	44.8
105.00	1.00	1.28	43.825	48.21	279.63	0.850	0.000	1.00	2.090	1.78	85.6	0.0	44.4
106.00	1.00	1.28	43.913	48.30	278.00	0.850	0.000	1.00	2.076	1.76	85.2	0.0	44.1
107.00	1.00	1.28	44.000	48.40	276.36	0.850	0.000	1.00	2.062	1.75	84.8	0.0	43.8
108.00 Appurtenance(s)	1.00	1.29	44.086	48.49	274.71	0.850	0.000	1.00	2.047	1.74	84.4	0.0	43.5
109.00	1.00	1.29	44.172	48.59	273.06	0.850	0.000	1.00	2.033	1.73	84.0	0.0	43.2
110.00	1.00	1.29	44.257	48.68	271.40	0.850	0.000	1.00	2.019	1.72	83.5	0.0	42.9
111.00	1.00	1.29	44.341	48.78	269.74	0.850	0.000	1.00	2.005	1.70	83.1	0.0	42.6
112.00	1.00	1.30	44.425	48.87	268.07	0.850	0.000	1.00	1.991	1.69	82.7	0.0	42.3
113.00	1.00	1.30	44.508	48.96	266.39	0.850	0.000	1.00	1.976	1.68	82.2	0.0	42.0
114.00	1.00	1.30	44.591	49.05	264.71	0.850	0.000	1.00	1.962	1.67	81.8	0.0	41.7
115.00	1.00	1.30	44.673	49.14	263.03	0.850	0.000	1.00	1.948	1.66	81.4	0.0	41.4
116.00	1.00	1.31	44.754	49.23	261.34	0.850	0.000	1.00	1.934	1.64	80.9	0.0	41.1
117.00	1.00	1.31	44.835	49.32	259.64	0.850	0.000	1.00	1.919	1.63	80.5	0.0	40.8
118.00 Appurtenance(s)	1.00	1.31	44.916	49.41	257.94	0.850	0.000	1.00	1.905	1.62	80.0	0.0	40.5
Totals:								118.00		11,006.4		11,755.8	

Discrete Appurtenance Forces

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

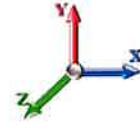
12/1/2022

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Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90
Wind Load Factor 1.00



Iterations 29

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	118.00	MS-H1436 (Heavy Collar)	1	44.916	49.407	1.00	1.00	2.25	123.03	0.000	0.000	111.17	0.00	0.00
2	118.00	AIR6449 B41	3	44.916	49.407	0.53	0.75	9.03	278.10	0.000	0.000	445.94	0.00	0.00
3	118.00	RRUS 4415 B25	3	44.916	49.407	0.38	0.75	1.84	124.20	0.000	0.000	91.16	0.00	0.00
4	118.00	4449 B71 + B85	3	44.916	49.407	0.38	0.75	2.22	197.64	0.000	0.000	109.50	0.00	0.00
5	118.00	Kickers and Braces	1	44.916	49.407	1.00	1.00	7.00	131.40	0.000	0.000	345.85	0.00	0.00
6	118.00	ALU - External Notch	3	45.075	49.582	0.38	0.75	0.88	23.76	0.000	2.000	43.51	0.00	87.02
7	118.00	APXVAALL24_43-U-NA20	3	44.916	49.407	0.52	0.75	31.88	345.60	0.000	0.000	1575.00	0.00	0.00
8	118.00	800 MHz RRH	3	45.075	49.582	0.38	0.75	2.80	143.10	0.000	2.000	138.89	0.00	277.78
9	118.00	ACU-A20-N	4	45.075	49.582	0.38	0.75	0.21	3.60	0.000	2.000	10.41	0.00	20.82
10	118.00	KRD 9011461-B66A-B2A	3	44.916	49.407	0.65	0.75	12.74	356.94	0.000	0.000	629.61	0.00	0.00
11	118.00	Platform w/ Hand Rails	1	44.916	49.407	1.00	1.00	39.00	1800.00	0.000	0.000	1926.88	0.00	0.00
12	108.00	Raycap DC6-48-60-18-8F	3	44.086	48.495	0.38	0.75	1.04	88.56	0.000	0.000	50.19	0.00	0.00
13	108.00	ERICSSON RRUS 4449	3	44.086	48.495	0.38	0.75	2.22	197.10	0.000	0.000	107.48	0.00	0.00
14	108.00	Ericsson RRUS 8843 B2	3	44.086	48.495	0.38	0.75	1.84	194.40	0.000	0.000	89.47	0.00	0.00
15	108.00	Ericsson RRUS 4478 B14	3	44.086	48.495	0.38	0.75	1.86	160.38	0.000	0.000	90.02	0.00	0.00
16	108.00	Cci TPA65R-BU6DA-K	3	44.086	48.495	0.54	0.75	20.85	186.30	0.000	0.000	1011.08	0.00	0.00
17	108.00	Ericsson AIR6419 B77G	3	44.086	48.495	0.57	0.75	6.50	178.47	0.000	0.000	315.12	0.00	0.00
18	108.00	Ericsson AIR6449 B77D	3	44.086	48.495	0.64	0.75	7.90	237.60	0.000	0.000	383.04	0.00	0.00
19	108.00	Platform + HR & V-Brace	1	44.086	48.495	1.00	1.00	48.00	2021.40	0.000	0.000	2327.74	0.00	0.00
20	108.00	Cci DMP65R-BU6DA	3	44.086	48.495	0.54	0.75	20.59	214.38	0.000	0.000	998.51	0.00	0.00
21	99.00	Samsung RF4439d-25A -	3	43.468	47.815	0.38	0.75	2.11	201.69	0.000	2.000	101.13	0.00	202.26
22	99.00	JMA MX06FRO660-03	3	43.286	47.614	0.65	0.75	19.32	162.00	0.000	0.000	919.93	0.00	0.00
23	99.00	JMA MX06FRO660-03	3	43.286	47.614	0.65	0.75	19.32	162.00	0.000	0.000	919.93	0.00	0.00
24	99.00	Samsung MT6407-77A	3	43.286	47.614	0.52	0.75	7.39	235.17	0.000	0.000	351.71	0.00	0.00
25	99.00	Low Profile Platform	1	43.286	47.614	1.00	1.00	30.00	1441.80	0.000	0.000	1428.43	0.00	0.00
26	99.00	Samsung RF4440d-13A -	3	43.468	47.815	0.38	0.75	2.11	189.89	0.000	2.000	101.13	0.00	202.26
27	99.00	RFS DB-T1-6Z-8AB-0Z -	2	43.286	47.614	0.38	0.75	3.60	79.20	0.000	0.000	171.41	0.00	0.00
28	99.00	Support Rail Kit - Mods	1	43.286	47.614	1.00	1.00	10.30	533.70	0.000	0.000	490.43	0.00	0.00
Totals:									10,011.41			15,284.67		

Total Applied Force Summary

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

12/1/2022

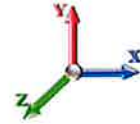
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Topography: 1

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90
Wind Load Factor 1.00



Iterations 29

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
1.00		110.93	159.03	0.00	0.00
2.00		110.55	158.42	0.00	0.00
3.00		110.16	157.81	0.00	0.00
4.00		109.77	157.20	0.00	0.00
5.00		109.38	156.59	0.00	0.00
6.00		108.99	155.98	0.00	0.00
6.50		54.35	77.76	0.00	0.00
7.00		54.25	77.61	0.00	0.00
8.00		108.22	154.75	0.00	0.00
9.00		107.83	154.14	0.00	0.00
10.00		95.43	153.53	0.00	0.00
11.00		91.03	152.92	0.00	0.00
12.00		90.65	152.31	0.00	0.00
13.00		90.26	151.70	0.00	0.00
14.00		89.87	151.09	0.00	0.00
15.00		89.48	150.48	0.00	0.00
16.00		90.19	149.87	0.00	0.00
17.00		90.96	149.26	0.00	0.00
18.00		91.65	148.65	0.00	0.00
19.00		92.30	148.04	0.00	0.00
20.00		92.89	147.43	0.00	0.00
21.00		93.43	146.82	0.00	0.00
22.00		93.93	146.21	0.00	0.00
23.00		94.39	145.60	0.00	0.00
24.00		94.81	144.99	0.00	0.00
25.00		95.20	144.38	0.00	0.00
26.00		95.55	143.77	0.00	0.00
27.00		95.88	143.16	0.00	0.00
28.00		96.17	142.55	0.00	0.00
29.00		96.44	141.94	0.00	0.00
30.00		96.68	141.33	0.00	0.00
31.00		96.90	140.72	0.00	0.00
32.00		97.10	140.11	0.00	0.00
33.00		97.27	139.50	0.00	0.00
34.00		97.42	138.89	0.00	0.00
35.00		97.56	138.28	0.00	0.00
36.00		97.67	137.67	0.00	0.00
37.00		97.77	137.06	0.00	0.00
38.00		97.85	136.45	0.00	0.00
39.00		97.91	135.84	0.00	0.00
40.00		97.96	135.23	0.00	0.00
40.75		73.44	101.02	0.00	0.00
41.00		24.91	59.82	0.00	0.00
42.00		99.83	238.58	0.00	0.00
43.00		99.84	237.47	0.00	0.00
44.00		99.84	236.35	0.00	0.00

Total Applied Force Summary

Structure: CT46133-A-SBA

Code: TIA-222-H

12/1/2022

Site Name: Shelton-north

Exposure: C

Height: 118.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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45.00	99.83	235.23	0.00	0.00
46.00	99.80	113.60	0.00	0.00
47.00	99.76	113.09	0.00	0.00
48.00	99.71	112.59	0.00	0.00
49.00	99.65	112.08	0.00	0.00
50.00	99.57	111.57	0.00	0.00
51.00	99.49	111.06	0.00	0.00
52.00	99.39	110.55	0.00	0.00
53.00	99.28	110.04	0.00	0.00
54.00	99.17	109.53	0.00	0.00
55.00	99.04	109.03	0.00	0.00
56.00	98.91	108.52	0.00	0.00
57.00	98.77	108.01	0.00	0.00
58.00	98.61	107.50	0.00	0.00
59.00	98.45	106.99	0.00	0.00
60.00	98.28	106.48	0.00	0.00
61.00	98.11	105.98	0.00	0.00
62.00	97.92	105.47	0.00	0.00
63.00	97.73	104.96	0.00	0.00
64.00	97.52	104.45	0.00	0.00
65.00	97.32	103.94	0.00	0.00
66.00	97.10	103.43	0.00	0.00
67.00	96.88	102.92	0.00	0.00
68.00	96.65	102.42	0.00	0.00
69.00	96.41	101.91	0.00	0.00
70.00	96.17	101.40	0.00	0.00
71.00	95.92	100.89	0.00	0.00
72.00	95.66	100.38	0.00	0.00
73.00	95.40	99.87	0.00	0.00
74.00	95.13	99.37	0.00	0.00
75.00	94.86	98.86	0.00	0.00
76.00	94.58	98.35	0.00	0.00
77.00	94.29	97.84	0.00	0.00
78.00	95.25	150.02	0.00	0.00
79.00	94.95	149.20	0.00	0.00
80.00	94.65	148.39	0.00	0.00
80.75	70.77	110.76	0.00	0.00
81.00	23.54	15.68	0.00	0.00
82.00	94.04	62.53	0.00	0.00
83.00	93.73	62.22	0.00	0.00
84.00	93.41	61.92	0.00	0.00
85.00	93.08	61.61	0.00	0.00
86.00	92.75	61.31	0.00	0.00
87.00	92.42	61.00	0.00	0.00
88.00	92.08	60.70	0.00	0.00
89.00	91.73	60.39	0.00	0.00
90.00	91.38	60.09	0.00	0.00
91.00	91.03	59.78	0.00	0.00
92.00	90.67	59.48	0.00	0.00
93.00	90.31	59.17	0.00	0.00
94.00	89.94	58.87	0.00	0.00
95.00	89.57	58.56	0.00	0.00
96.00	89.20	58.26	0.00	0.00
97.00	88.82	57.95	0.00	0.00
98.00	88.44	57.65	0.00	0.00
99.00	(19) attachments 4572.16	3062.79	0.00	404.52
100.00	87.66	55.06	0.00	0.00

Total Applied Force Summary

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Page: 27



101.00		87.27	54.75	0.00	0.00
102.00		86.87	54.45	0.00	0.00
103.00		86.46	54.14	0.00	0.00
104.00		86.06	53.84	0.00	0.00
105.00		85.65	53.53	0.00	0.00
106.00		85.24	53.23	0.00	0.00
107.00		84.82	52.92	0.00	0.00
108.00	(25) attachments	5457.05	3531.21	0.00	0.00
109.00		83.97	47.58	0.00	0.00
110.00		83.55	47.27	0.00	0.00
111.00		83.12	46.97	0.00	0.00
112.00		82.68	46.66	0.00	0.00
113.00		82.24	46.36	0.00	0.00
114.00		81.80	46.05	0.00	0.00
115.00		81.36	45.75	0.00	0.00
116.00		80.91	45.44	0.00	0.00
117.00		80.46	45.14	0.00	0.00
118.00	(28) attachments	5507.92	3572.20	0.00	385.63
	Totals:	26,439.25	22,987.50	0.00	790.14

Linear Appurtenance Segment Forces (Factored)

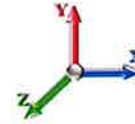
Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90
Wind Load Factor 1.00



Iterations 29

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
1.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	29.133	16.02	0.00
2.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	29.133	16.02	0.00
3.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	29.133	16.02	0.00
4.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	29.133	16.02	0.00
5.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	29.133	16.02	0.00
6.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	29.133	16.02	0.00
6.50	1.5" Reinforcing Plate	Yes	0.50	2.000	3.00	0.13	0.25	0.000	0.000	29.133	8.01	0.00
7.00	1.5" Reinforcing Plate	Yes	0.50	2.000	3.00	0.13	0.25	0.000	0.000	29.133	8.01	0.00
8.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	29.133	16.02	0.00
9.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	29.133	16.02	0.00
10.00	1.5" Reinforcing Plate	Yes	0.25	2.000	3.00	0.06	0.13	0.000	0.000	29.133	4.01	0.00
Totals:											148.2	0.0

Calculated Forces

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

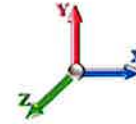
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Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90
Wind Load Factor 1.00



Iterations 29

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-22.98	-26.45	0.00	-2396.1	0.00	2396.19	3290.40	849.68	2838.99	2685.80	0.00	0.000	0.000	0.639
1.00	-22.79	-26.36	0.00	-2369.7	0.00	2369.74	3282.44	846.18	2815.67	2668.18	0.01	-0.048	0.000	0.635
2.00	-22.61	-26.26	0.00	-2343.3	0.00	2343.39	3274.43	842.68	2792.45	2650.57	0.02	-0.097	0.000	0.631
3.00	-22.43	-26.17	0.00	-2317.1	0.00	2317.12	3266.38	839.19	2769.32	2632.98	0.05	-0.145	0.000	0.628
4.00	-22.26	-26.08	0.00	-2290.9	0.00	2290.95	3258.28	835.69	2746.29	2615.40	0.08	-0.194	0.000	0.624
5.00	-22.08	-25.99	0.00	-2264.8	0.00	2264.87	3250.13	832.20	2723.36	2597.84	0.13	-0.242	0.000	0.620
6.00	-21.91	-25.89	0.00	-2238.8	0.00	2238.88	3241.94	828.70	2700.52	2580.31	0.18	-0.291	0.000	0.616
6.50	-21.82	-25.85	0.00	-2225.9	0.00	2225.93	3237.83	826.95	2689.14	2571.54	0.22	-0.315	0.000	0.614
6.50	-21.82	-25.85	0.00	-2225.9	0.00	2225.93	3237.83	826.95	2689.14	2571.54	0.22	-0.315	0.000	0.863
7.00	-21.72	-25.81	0.00	-2213.0	0.00	2213.01	3233.71	825.20	2677.78	2562.79	0.25	-0.339	0.000	0.871
8.00	-21.53	-25.73	0.00	-2187.2	0.00	2187.20	3225.42	821.71	2655.14	2545.29	0.33	-0.408	0.000	0.867
9.00	-21.35	-25.65	0.00	-2161.4	0.00	2161.47	3217.09	818.21	2632.59	2527.81	0.42	-0.477	0.000	0.863
10.00	-21.17	-25.57	0.00	-2135.8	0.00	2135.83	3208.72	814.71	2610.13	2510.35	0.53	-0.546	0.000	0.858
11.00	-20.98	-25.51	0.00	-2110.2	0.00	2110.25	3200.29	811.22	2587.78	2492.91	0.65	-0.615	0.000	0.854
12.00	-20.80	-25.44	0.00	-2084.7	0.00	2084.75	3191.83	807.72	2565.52	2475.49	0.79	-0.684	0.000	0.850
13.00	-20.62	-25.37	0.00	-2059.3	0.00	2059.31	3183.31	804.22	2543.35	2458.10	0.94	-0.753	0.000	0.845
14.00	-20.44	-25.30	0.00	-2033.9	0.00	2033.94	3174.75	800.73	2521.28	2440.72	1.10	-0.822	0.000	0.841
15.00	-20.26	-25.24	0.00	-2008.6	0.00	2008.63	3166.15	797.23	2499.31	2423.37	1.28	-0.891	0.000	0.836
16.00	-20.08	-25.17	0.00	-1983.3	0.00	1983.39	3157.49	793.73	2477.44	2406.05	1.48	-0.960	0.000	0.832
17.00	-19.90	-25.10	0.00	-1958.2	0.00	1958.23	3148.79	790.24	2455.66	2388.74	1.69	-1.030	0.000	0.827
18.00	-19.73	-25.03	0.00	-1933.1	0.00	1933.13	3140.05	786.74	2433.97	2371.46	1.91	-1.099	0.000	0.822
19.00	-19.55	-24.96	0.00	-1908.1	0.00	1908.10	3131.26	783.24	2412.39	2354.21	2.15	-1.168	0.000	0.818
20.00	-19.37	-24.89	0.00	-1883.1	0.00	1883.14	3122.42	779.75	2390.90	2336.98	2.40	-1.238	0.000	0.813
21.00	-19.20	-24.81	0.00	-1858.2	0.00	1858.26	3113.54	776.25	2369.50	2319.78	2.67	-1.307	0.000	0.808
22.00	-19.03	-24.74	0.00	-1833.4	0.00	1833.44	3104.61	772.75	2348.20	2302.60	2.95	-1.376	0.000	0.803
23.00	-18.85	-24.66	0.00	-1808.7	0.00	1808.71	3095.63	769.26	2327.00	2285.45	3.25	-1.446	0.000	0.799
24.00	-18.68	-24.59	0.00	-1784.0	0.00	1784.05	3086.61	765.76	2305.89	2268.32	3.56	-1.515	0.000	0.794
25.00	-18.51	-24.51	0.00	-1759.4	0.00	1759.46	3077.54	762.26	2284.88	2251.23	3.88	-1.584	0.000	0.789
26.00	-18.34	-24.43	0.00	-1734.9	0.00	1734.95	3068.43	758.77	2263.97	2234.16	4.22	-1.653	0.000	0.784
27.00	-18.17	-24.35	0.00	-1710.5	0.00	1710.52	3059.27	755.27	2243.15	2217.12	4.57	-1.723	0.000	0.778
28.00	-18.00	-24.28	0.00	-1686.1	0.00	1686.16	3050.06	751.77	2222.43	2200.10	4.94	-1.792	0.000	0.773
29.00	-17.83	-24.20	0.00	-1661.8	0.00	1661.89	3040.81	748.28	2201.80	2183.12	5.33	-1.861	0.000	0.768
30.00	-17.66	-24.12	0.00	-1637.6	0.00	1637.69	3031.51	744.78	2181.27	2166.17	5.72	-1.930	0.000	0.763
31.00	-17.50	-24.04	0.00	-1613.5	0.00	1613.58	3022.17	741.28	2160.84	2149.25	6.14	-2.000	0.000	0.758
32.00	-17.33	-23.95	0.00	-1589.5	0.00	1589.54	3012.78	737.79	2140.50	2132.35	6.56	-2.069	0.000	0.752
33.00	-17.17	-23.87	0.00	-1565.5	0.00	1565.59	3003.34	734.29	2120.26	2115.49	7.00	-2.138	0.000	0.747
34.00	-17.00	-23.79	0.00	-1541.7	0.00	1541.72	2993.86	730.79	2100.12	2098.66	7.46	-2.207	0.000	0.741
35.00	-16.84	-23.71	0.00	-1517.9	0.00	1517.93	2984.33	727.30	2080.07	2081.87	7.93	-2.275	0.000	0.736
36.00	-16.68	-23.63	0.00	-1494.2	0.00	1494.22	2974.76	723.80	2060.12	2065.10	8.41	-2.344	0.000	0.730
37.00	-16.52	-23.54	0.00	-1470.5	0.00	1470.59	2965.14	720.30	2040.26	2048.37	8.91	-2.413	0.000	0.725
38.00	-16.36	-23.46	0.00	-1447.0	0.00	1447.05	2955.47	716.81	2020.50	2031.68	9.42	-2.481	0.000	0.719
39.00	-16.20	-23.37	0.00	-1423.5	0.00	1423.59	2945.76	713.31	2000.83	2015.01	9.95	-2.550	0.000	0.713
40.00	-16.04	-23.29	0.00	-1400.2	0.00	1400.22	2936.00	709.81	1981.27	1998.38	10.49	-2.618	0.000	0.707
40.75	-15.93	-23.22	0.00	-1382.7	0.00	1382.76	2928.65	707.19	1966.65	1985.93	10.91	-2.670	0.000	0.703
41.00	-15.86	-23.20	0.00	-1376.9	0.00	1376.95	2926.19	706.32	1961.80	1981.79	11.05	-2.687	0.000	0.701
42.00	-15.60	-23.11	0.00	-1353.7	0.00	1353.75	2916.34	702.82	1942.42	1965.23	11.62	-2.755	0.000	0.695
43.00	-15.34	-23.02	0.00	-1330.6	0.00	1330.64	2906.44	699.32	1923.14	1948.71	12.20	-2.823	0.000	0.689
44.00	-15.08	-22.92	0.00	-1307.6	0.00	1307.63	2896.50	695.83	1903.96	1932.22	12.80	-2.890	0.000	0.683

Calculated Forces

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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45.00	-14.82	-22.83	0.00	-1284.7	0.00	1284.71	2282.79	589.08	1637.53	1550.20	13.41	-2.958	0.000	0.837
46.00	-14.69	-22.74	0.00	-1261.8	0.00	1261.88	2276.14	586.17	1621.37	1537.97	14.04	-3.025	0.000	0.828
47.00	-14.55	-22.65	0.00	-1239.1	0.00	1239.14	2269.44	583.26	1605.29	1525.75	14.68	-3.101	0.000	0.820
48.00	-14.41	-22.57	0.00	-1216.4	0.00	1216.48	2262.69	580.34	1589.29	1513.54	15.34	-3.177	0.000	0.812
49.00	-14.28	-22.48	0.00	-1193.9	0.00	1193.92	2255.90	577.43	1573.37	1501.35	16.01	-3.252	0.000	0.803
50.00	-14.14	-22.39	0.00	-1171.4	0.00	1171.44	2249.07	574.51	1557.53	1489.18	16.70	-3.327	0.000	0.794
51.00	-14.01	-22.31	0.00	-1149.0	0.00	1149.04	2242.18	571.60	1541.77	1477.02	17.41	-3.401	0.000	0.786
52.00	-13.87	-22.22	0.00	-1126.7	0.00	1126.74	2235.25	568.69	1526.09	1464.87	18.13	-3.476	0.000	0.777
53.00	-13.74	-22.13	0.00	-1104.5	0.00	1104.52	2228.28	565.77	1510.49	1452.75	18.86	-3.550	0.000	0.768
54.00	-13.61	-22.04	0.00	-1082.3	0.00	1082.39	2221.25	562.86	1494.98	1440.64	19.61	-3.623	0.000	0.759
55.00	-13.48	-21.95	0.00	-1060.3	0.00	1060.35	2214.18	559.94	1479.54	1428.55	20.38	-3.697	0.000	0.750
56.00	-13.35	-21.86	0.00	-1038.4	0.00	1038.40	2207.07	557.03	1464.18	1416.48	21.16	-3.770	0.000	0.741
57.00	-13.22	-21.77	0.00	-1016.5	0.00	1016.54	2199.91	554.12	1448.90	1404.42	21.96	-3.842	0.000	0.731
58.00	-13.09	-21.69	0.00	-994.76	0.00	994.76	2192.70	551.20	1433.70	1392.39	22.77	-3.914	0.000	0.722
59.00	-12.97	-21.60	0.00	-973.08	0.00	973.08	2185.45	548.29	1418.58	1380.37	23.60	-3.986	0.000	0.712
60.00	-12.84	-21.51	0.00	-951.48	0.00	951.48	2178.15	545.38	1403.55	1368.38	24.44	-4.057	0.000	0.703
61.00	-12.72	-21.42	0.00	-929.97	0.00	929.97	2170.81	542.46	1388.59	1356.41	25.30	-4.128	0.000	0.693
62.00	-12.59	-21.33	0.00	-908.56	0.00	908.56	2163.42	539.55	1373.71	1344.45	26.17	-4.198	0.000	0.683
63.00	-12.47	-21.24	0.00	-887.23	0.00	887.23	2155.98	536.63	1358.91	1332.52	27.06	-4.268	0.000	0.673
64.00	-12.35	-21.15	0.00	-865.99	0.00	865.99	2148.49	533.72	1344.20	1320.61	27.96	-4.337	0.000	0.663
65.00	-12.22	-21.06	0.00	-844.85	0.00	844.85	2140.97	530.81	1329.56	1308.73	28.87	-4.406	0.000	0.653
66.00	-12.10	-20.97	0.00	-823.79	0.00	823.79	2133.39	527.89	1315.00	1296.86	29.80	-4.474	0.000	0.642
67.00	-11.98	-20.88	0.00	-802.82	0.00	802.82	2125.77	524.98	1300.52	1285.02	30.75	-4.541	0.000	0.632
68.00	-11.87	-20.78	0.00	-781.95	0.00	781.95	2118.10	522.06	1286.13	1273.21	31.70	-4.608	0.000	0.621
69.00	-11.75	-20.69	0.00	-761.17	0.00	761.17	2110.39	519.15	1271.81	1261.42	32.68	-4.674	0.000	0.611
70.00	-11.63	-20.60	0.00	-740.47	0.00	740.47	2102.63	516.24	1257.57	1249.65	33.66	-4.740	0.000	0.600
71.00	-11.52	-20.51	0.00	-719.87	0.00	719.87	2094.82	513.32	1243.42	1237.91	34.66	-4.804	0.000	0.589
72.00	-11.40	-20.42	0.00	-699.36	0.00	699.36	2086.97	510.41	1229.34	1226.19	35.67	-4.868	0.000	0.577
73.00	-11.29	-20.33	0.00	-678.94	0.00	678.94	2079.07	507.50	1215.35	1214.51	36.70	-4.932	0.000	0.566
74.00	-11.18	-20.24	0.00	-658.61	0.00	658.61	2071.12	504.58	1201.43	1202.84	37.74	-4.994	0.000	0.555
75.00	-11.06	-20.15	0.00	-638.37	0.00	638.37	2063.13	501.67	1187.59	1191.21	38.79	-5.056	0.000	0.543
76.00	-10.95	-20.06	0.00	-618.22	0.00	618.22	2055.10	498.75	1173.84	1179.60	39.85	-5.116	0.000	0.531
77.00	-10.84	-19.96	0.00	-598.17	0.00	598.17	2047.01	495.84	1160.16	1168.02	40.93	-5.176	0.000	0.519
78.00	-10.68	-19.87	0.00	-578.20	0.00	578.20	2038.89	492.93	1146.57	1156.47	42.02	-5.235	0.000	0.507
79.00	-10.52	-19.77	0.00	-558.34	0.00	558.34	2030.71	490.01	1133.05	1144.95	43.12	-5.293	0.000	0.494
80.00	-10.37	-19.67	0.00	-538.57	0.00	538.57	2022.49	487.10	1119.62	1133.46	44.23	-5.350	0.000	0.482
80.75	-10.25	-19.59	0.00	-523.82	0.00	523.82	959.89	296.25	690.22	547.79	45.08	-5.392	0.000	0.971
81.00	-10.22	-19.58	0.00	-518.92	0.00	518.92	959.45	295.81	688.19	546.73	45.36	-5.406	0.000	0.964
82.00	-10.14	-19.49	0.00	-499.34	0.00	499.34	957.66	294.06	680.08	542.46	46.50	-5.492	0.000	0.935
83.00	-10.06	-19.41	0.00	-479.84	0.00	479.84	955.82	292.31	672.01	538.18	47.66	-5.577	0.000	0.907
84.00	-9.98	-19.32	0.00	-460.44	0.00	460.44	953.93	290.56	664.00	533.88	48.83	-5.659	0.000	0.877
85.00	-9.90	-19.24	0.00	-441.11	0.00	441.11	952.00	288.82	656.03	529.57	50.03	-5.740	0.000	0.848
86.00	-9.82	-19.15	0.00	-421.87	0.00	421.87	950.03	287.07	648.11	525.25	51.24	-5.819	0.000	0.818
87.00	-9.75	-19.07	0.00	-402.72	0.00	402.72	948.00	285.32	640.24	520.92	52.46	-5.895	0.000	0.788
88.00	-9.67	-18.98	0.00	-383.65	0.00	383.65	945.93	283.57	632.42	516.58	53.70	-5.970	0.000	0.757
89.00	-9.60	-18.90	0.00	-364.66	0.00	364.66	943.82	281.82	624.65	512.22	54.96	-6.042	0.000	0.727
90.00	-9.52	-18.81	0.00	-345.77	0.00	345.77	941.66	280.07	616.92	507.86	56.23	-6.111	0.000	0.695
91.00	-9.45	-18.73	0.00	-326.95	0.00	326.95	939.45	278.33	609.24	503.48	57.52	-6.179	0.000	0.664
92.00	-9.38	-18.64	0.00	-308.23	0.00	308.23	937.20	276.58	601.61	499.09	58.82	-6.243	0.000	0.632
93.00	-9.31	-18.55	0.00	-289.59	0.00	289.59	934.90	274.83	594.03	494.70	60.13	-6.305	0.000	0.600
94.00	-9.25	-18.47	0.00	-271.03	0.00	271.03	932.55	273.08	586.50	490.30	61.45	-6.365	0.000	0.567
95.00	-9.18	-18.38	0.00	-252.57	0.00	252.57	930.16	271.33	579.01	485.89	62.79	-6.421	0.000	0.534
96.00	-9.12	-18.29	0.00	-234.19	0.00	234.19	927.72	269.58	571.57	481.47	64.14	-6.475	0.000	0.501
97.00	-9.05	-18.21	0.00	-215.89	0.00	215.89	925.24	267.84	564.18	477.04	65.50	-6.525	0.000	0.467
98.00	-8.99	-18.12	0.00	-197.68	0.00	197.68	922.71	266.09	556.84	472.61	66.87	-6.572	0.000	0.433
99.00	-6.47	-13.23	0.00	-179.16	0.00	179.16	920.13	264.34	549.55	468.17	68.25	-6.616	0.000	0.392
100.00	-6.41	-13.14	0.00	-165.93	0.00	165.93	917.51	262.59	542.30	463.72	69.63	-6.657	0.000	0.367

Calculated Forces

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Page: 31
	Struct Class: II	



101.00	-6.36	-13.05	0.00	-152.79	0.00	152.79	914.84	260.84	535.11	459.27	71.03	-6.696	0.000	0.342
102.00	-6.31	-12.96	0.00	-139.74	0.00	139.74	912.12	259.09	527.96	454.82	72.43	-6.732	0.000	0.317
103.00	-6.26	-12.88	0.00	-126.77	0.00	126.77	909.36	257.35	520.86	450.36	73.85	-6.766	0.000	0.291
104.00	-6.21	-12.79	0.00	-113.90	0.00	113.90	906.56	255.60	513.80	445.90	75.26	-6.797	0.000	0.265
105.00	-6.16	-12.70	0.00	-101.11	0.00	101.11	903.70	253.85	506.80	441.43	76.69	-6.825	0.000	0.238
106.00	-6.11	-12.61	0.00	-88.41	0.00	88.41	900.80	252.10	499.84	436.96	78.12	-6.851	0.000	0.212
107.00	-6.06	-12.52	0.00	-75.80	0.00	75.80	897.86	250.35	492.93	432.49	79.55	-6.873	0.000	0.185
108.00	-3.21	-6.68	0.00	-63.28	0.00	63.28	894.87	248.60	486.07	428.01	80.99	-6.893	0.000	0.152
109.00	-3.17	-6.59	0.00	-56.60	0.00	56.60	891.83	246.86	479.26	423.53	82.43	-6.910	0.000	0.138
110.00	-3.13	-6.51	0.00	-50.00	0.00	50.00	888.75	245.11	472.50	419.06	83.88	-6.925	0.000	0.124
111.00	-3.09	-6.42	0.00	-43.50	0.00	43.50	885.62	243.36	465.78	414.58	85.33	-6.939	0.000	0.109
112.00	-3.06	-6.33	0.00	-37.08	0.00	37.08	882.44	241.61	459.11	410.10	86.78	-6.951	0.000	0.095
113.00	-3.02	-6.24	0.00	-30.75	0.00	30.75	879.22	239.86	452.49	405.62	88.23	-6.962	0.000	0.080
114.00	-2.98	-6.16	0.00	-24.50	0.00	24.50	875.95	238.11	445.92	401.14	89.69	-6.971	0.000	0.065
115.00	-2.95	-6.07	0.00	-18.35	0.00	18.35	872.64	236.37	439.39	396.67	91.15	-6.978	0.000	0.050
116.00	-2.91	-5.99	0.00	-12.27	0.00	12.27	869.28	234.62	432.92	392.19	92.60	-6.983	0.000	0.035
117.00	-2.88	-5.90	0.00	-6.29	0.00	6.29	865.87	232.87	426.49	387.72	94.06	-6.986	0.000	0.020
118.00	0.00	-5.51	0.00	-0.39	0.00	0.39	862.42	231.12	420.11	383.25	95.52	-6.987	0.000	0.002

Wind Loading - Shaft

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 28

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00	RB1	1.00	0.85	5.058	5.56	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		1.00	0.85	5.058	5.56	0.00	1.200	0.705	1.00	3.602	4.32	24.0	37.5	234.7
2.00		1.00	0.85	5.058	5.56	0.00	1.200	0.756	1.00	3.596	4.32	24.0	40.0	236.5
3.00		1.00	0.85	5.058	5.56	0.00	1.200	0.787	1.00	3.587	4.30	23.9	41.5	237.2
4.00		1.00	0.85	5.058	5.56	0.00	1.200	0.810	1.00	3.577	4.29	23.9	42.6	237.5
5.00		1.00	0.85	5.058	5.56	0.00	1.200	0.828	1.00	3.565	4.28	23.8	43.4	237.4
6.00		1.00	0.85	5.058	5.56	0.00	1.200	0.843	1.00	3.554	4.26	23.7	44.1	237.3
6.50	RT1	1.00	0.85	5.058	5.56	0.00	1.200	0.850	0.50	1.772	2.13	11.8	22.2	118.5
7.00		1.00	0.85	5.058	5.56	0.00	1.200	0.856	0.50	1.769	2.12	11.8	22.3	118.4
8.00		1.00	0.85	5.058	5.56	0.00	1.200	0.868	1.00	3.529	4.24	23.6	45.0	236.6
9.00		1.00	0.85	5.058	5.56	0.00	1.200	0.878	1.00	3.517	4.22	23.5	45.3	236.1
10.00		1.00	0.85	5.058	5.56	0.00	1.200	0.887	1.00	3.504	4.20	23.4	45.6	235.6
11.00		1.00	0.85	5.058	5.56	0.00	1.200	0.896	1.00	3.491	4.19	23.3	45.9	235.1
12.00		1.00	0.85	5.058	5.56	0.00	1.200	0.904	1.00	3.478	4.17	23.2	46.1	234.5
13.00		1.00	0.85	5.058	5.56	0.00	1.200	0.911	1.00	3.465	4.16	23.1	46.3	233.8
14.00		1.00	0.85	5.058	5.56	0.00	1.200	0.918	1.00	3.452	4.14	23.0	46.5	233.2
15.00		1.00	0.85	5.058	5.56	0.00	1.200	0.924	1.00	3.439	4.13	23.0	46.6	232.5
16.00		1.00	0.86	5.120	5.63	0.00	1.200	0.930	1.00	3.426	4.11	23.2	46.7	231.8
17.00		1.00	0.87	5.186	5.70	0.00	1.200	0.936	1.00	3.413	4.10	23.4	46.8	231.1
18.00		1.00	0.88	5.249	5.77	0.00	1.200	0.941	1.00	3.399	4.08	23.6	46.9	230.3
19.00		1.00	0.89	5.309	5.84	0.00	1.200	0.946	1.00	3.386	4.06	23.7	46.9	229.6
20.00		1.00	0.90	5.366	5.90	0.00	1.200	0.951	1.00	3.372	4.05	23.9	47.0	228.8
21.00		1.00	0.91	5.422	5.96	0.00	1.200	0.956	1.00	3.359	4.03	24.0	47.0	228.0
22.00		1.00	0.92	5.475	6.02	0.00	1.200	0.960	1.00	3.345	4.01	24.2	47.0	227.2
23.00		1.00	0.93	5.527	6.08	0.00	1.200	0.965	1.00	3.332	4.00	24.3	47.0	226.4
24.00		1.00	0.94	5.576	6.13	0.00	1.200	0.969	1.00	3.318	3.98	24.4	47.0	225.6
25.00		1.00	0.95	5.625	6.19	0.00	1.200	0.973	1.00	3.305	3.97	24.5	47.0	224.8
26.00		1.00	0.95	5.671	6.24	0.00	1.200	0.976	1.00	3.291	3.95	24.6	47.0	223.9
27.00		1.00	0.96	5.716	6.29	0.00	1.200	0.980	1.00	3.278	3.93	24.7	47.0	223.1
28.00		1.00	0.97	5.760	6.34	0.00	1.200	0.984	1.00	3.264	3.92	24.8	46.9	222.3
29.00		1.00	0.98	5.803	6.38	0.00	1.200	0.987	1.00	3.250	3.90	24.9	46.9	221.4
30.00		1.00	0.98	5.845	6.43	0.00	1.200	0.991	1.00	3.237	3.88	25.0	46.8	220.5
31.00		1.00	0.99	5.885	6.47	0.00	1.200	0.994	1.00	3.223	3.87	25.0	46.8	219.7
32.00		1.00	1.00	5.925	6.52	0.00	1.200	0.997	1.00	3.209	3.85	25.1	46.7	218.8
33.00		1.00	1.00	5.963	6.56	0.00	1.200	1.000	1.00	3.195	3.83	25.2	46.7	217.9
34.00		1.00	1.01	6.001	6.60	0.00	1.200	1.003	1.00	3.182	3.82	25.2	46.6	217.0
35.00		1.00	1.01	6.037	6.64	0.00	1.200	1.006	1.00	3.168	3.80	25.2	46.5	216.1
36.00		1.00	1.02	6.073	6.68	0.00	1.200	1.009	1.00	3.154	3.79	25.3	46.4	215.2
37.00		1.00	1.03	6.109	6.72	0.00	1.200	1.012	1.00	3.140	3.77	25.3	46.3	214.3
38.00		1.00	1.03	6.143	6.76	0.00	1.200	1.014	1.00	3.127	3.75	25.4	46.3	213.4
39.00		1.00	1.04	6.177	6.79	0.00	1.200	1.017	1.00	3.113	3.74	25.4	46.2	212.5
40.00		1.00	1.04	6.210	6.83	0.00	1.200	1.019	1.00	3.099	3.72	25.4	46.1	211.6
40.75	Bot - Section 2	1.00	1.05	6.234	6.86	0.00	1.200	1.021	0.75	2.315	2.78	19.1	34.5	158.1
41.00		1.00	1.05	6.242	6.87	0.00	1.200	1.022	0.25	0.783	0.94	6.5	11.7	87.8
42.00		1.00	1.05	6.274	6.90	0.00	1.200	1.024	1.00	3.125	3.75	25.9	46.7	350.1
43.00		1.00	1.06	6.305	6.94	0.00	1.200	1.027	1.00	3.112	3.73	25.9	46.6	348.5
44.00		1.00	1.06	6.335	6.97	0.00	1.200	1.029	1.00	3.098	3.72	25.9	46.5	346.9

Wind Loading - Shaft

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Topography: 1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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45.00 Top - Section 1	1.00	1.07	6.366	7.00	0.00	1.200	1.032	1.00	3.084	3.70	25.9	46.4	345.2
46.00	1.00	1.07	6.395	7.03	0.00	1.200	1.034	1.00	3.070	3.68	25.9	46.2	183.0
47.00	1.00	1.08	6.424	7.07	0.00	1.200	1.036	1.00	3.056	3.67	25.9	46.1	182.2
48.00	1.00	1.08	6.453	7.10	0.00	1.200	1.038	1.00	3.042	3.65	25.9	46.0	181.4
49.00	1.00	1.09	6.481	7.13	0.00	1.200	1.040	1.00	3.028	3.63	25.9	45.9	180.6
50.00	1.00	1.09	6.508	7.16	0.00	1.200	1.042	1.00	3.014	3.62	25.9	45.7	179.8
51.00	1.00	1.10	6.535	7.19	0.00	1.200	1.044	1.00	3.001	3.60	25.9	45.6	178.9
52.00	1.00	1.10	6.562	7.22	0.00	1.200	1.047	1.00	2.987	3.58	25.9	45.5	178.1
53.00	1.00	1.11	6.589	7.25	0.00	1.200	1.049	1.00	2.973	3.57	25.9	45.3	177.3
54.00	1.00	1.11	6.615	7.28	0.00	1.200	1.050	1.00	2.959	3.55	25.8	45.2	176.5
55.00	1.00	1.12	6.640	7.30	0.00	1.200	1.052	1.00	2.945	3.53	25.8	45.1	175.7
56.00	1.00	1.12	6.665	7.33	0.00	1.200	1.054	1.00	2.931	3.52	25.8	44.9	174.9
57.00	1.00	1.12	6.690	7.36	0.00	1.200	1.056	1.00	2.917	3.50	25.8	44.8	174.1
58.00	1.00	1.13	6.715	7.39	0.00	1.200	1.058	1.00	2.903	3.48	25.7	44.6	173.2
59.00	1.00	1.13	6.739	7.41	0.00	1.200	1.060	1.00	2.889	3.47	25.7	44.5	172.4
60.00	1.00	1.14	6.763	7.44	0.00	1.200	1.062	1.00	2.875	3.45	25.7	44.3	171.6
61.00	1.00	1.14	6.787	7.47	0.00	1.200	1.063	1.00	2.861	3.43	25.6	44.2	170.7
62.00	1.00	1.14	6.810	7.49	0.00	1.200	1.065	1.00	2.847	3.42	25.6	44.0	169.9
63.00	1.00	1.15	6.833	7.52	0.00	1.200	1.067	1.00	2.833	3.40	25.6	43.9	169.1
64.00	1.00	1.15	6.855	7.54	0.00	1.200	1.068	1.00	2.820	3.38	25.5	43.7	168.2
65.00	1.00	1.16	6.878	7.57	0.00	1.200	1.070	1.00	2.806	3.37	25.5	43.6	167.4
66.00	1.00	1.16	6.900	7.59	0.00	1.200	1.072	1.00	2.792	3.35	25.4	43.4	166.6
67.00	1.00	1.16	6.922	7.61	0.00	1.200	1.073	1.00	2.778	3.33	25.4	43.2	165.7
68.00	1.00	1.17	6.944	7.64	0.00	1.200	1.075	1.00	2.764	3.32	25.3	43.1	164.9
69.00	1.00	1.17	6.965	7.66	0.00	1.200	1.077	1.00	2.750	3.30	25.3	42.9	164.0
70.00	1.00	1.17	6.986	7.68	0.00	1.200	1.078	1.00	2.736	3.28	25.2	42.7	163.2
71.00	1.00	1.18	7.007	7.71	0.00	1.200	1.080	1.00	2.722	3.27	25.2	42.6	162.4
72.00	1.00	1.18	7.028	7.73	0.00	1.200	1.081	1.00	2.708	3.25	25.1	42.4	161.5
73.00	1.00	1.18	7.048	7.75	0.00	1.200	1.083	1.00	2.694	3.23	25.1	42.2	160.7
74.00	1.00	1.19	7.068	7.78	0.00	1.200	1.084	1.00	2.680	3.22	25.0	42.1	159.8
75.00	1.00	1.19	7.088	7.80	0.00	1.200	1.086	1.00	2.666	3.20	24.9	41.9	159.0
76.00	1.00	1.19	7.108	7.82	0.00	1.200	1.087	1.00	2.652	3.18	24.9	41.7	158.1
77.00 Bot - Section 3	1.00	1.20	7.128	7.84	0.00	1.200	1.088	1.00	2.638	3.17	24.8	41.5	157.2
78.00	1.00	1.20	7.147	7.86	0.00	1.200	1.090	1.00	2.656	3.19	25.1	41.9	227.2
79.00	1.00	1.20	7.166	7.88	0.00	1.200	1.091	1.00	2.642	3.17	25.0	41.7	225.9
80.00	1.00	1.21	7.185	7.90	0.00	1.200	1.093	1.00	2.628	3.15	24.9	41.5	224.6
80.75 Top - Section 2	1.00	1.21	7.199	7.92	0.00	1.200	1.094	0.75	1.962	2.35	18.6	31.1	167.7
81.00	1.00	1.21	7.204	7.92	0.00	1.200	1.094	0.25	0.652	0.78	6.2	10.3	27.6
82.00	1.00	1.21	7.223	7.94	0.00	1.200	1.095	1.00	2.600	3.12	24.8	41.2	109.8
83.00	1.00	1.22	7.241	7.97	0.00	1.200	1.097	1.00	2.586	3.10	24.7	41.0	109.2
84.00	1.00	1.22	7.259	7.99	0.00	1.200	1.098	1.00	2.572	3.09	24.6	40.8	108.6
85.00	1.00	1.22	7.277	8.01	0.00	1.200	1.099	1.00	2.558	3.07	24.6	40.6	108.0
86.00	1.00	1.23	7.295	8.02	0.00	1.200	1.101	1.00	2.544	3.05	24.5	40.4	107.4
87.00	1.00	1.23	7.313	8.04	0.00	1.200	1.102	1.00	2.530	3.04	24.4	40.3	106.8
88.00	1.00	1.23	7.331	8.06	0.00	1.200	1.103	1.00	2.516	3.02	24.3	40.1	106.2
89.00	1.00	1.23	7.348	8.08	0.00	1.200	1.104	1.00	2.502	3.00	24.3	39.9	105.6
90.00	1.00	1.24	7.366	8.10	0.00	1.200	1.106	1.00	2.488	2.99	24.2	39.7	105.1
91.00	1.00	1.24	7.383	8.12	0.00	1.200	1.107	1.00	2.474	2.97	24.1	39.5	104.5
92.00	1.00	1.24	7.400	8.14	0.00	1.200	1.108	1.00	2.460	2.95	24.0	39.3	103.9
93.00	1.00	1.25	7.417	8.16	0.00	1.200	1.109	1.00	2.446	2.94	23.9	39.1	103.3
94.00	1.00	1.25	7.433	8.18	0.00	1.200	1.110	1.00	2.432	2.92	23.9	38.9	102.7
95.00	1.00	1.25	7.450	8.19	0.00	1.200	1.112	1.00	2.418	2.90	23.8	38.7	102.1
96.00	1.00	1.25	7.466	8.21	0.00	1.200	1.113	1.00	2.404	2.88	23.7	38.5	101.4
97.00	1.00	1.26	7.483	8.23	0.00	1.200	1.114	1.00	2.390	2.87	23.6	38.3	100.8
98.00	1.00	1.26	7.499	8.25	0.00	1.200	1.115	1.00	2.376	2.85	23.5	38.1	100.2
99.00 Appurtenance(s)	1.00	1.26	7.515	8.27	0.00	1.200	1.116	1.00	2.362	2.83	23.4	37.9	99.6
100.00	1.00	1.27	7.531	8.28	0.00	1.200	1.117	1.00	2.348	2.82	23.3	37.7	99.0

Wind Loading - Shaft

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Page: 34
	Struct Class: II	



101.00	1.00	1.27	7.547	8.30	0.00	1.200	1.118	1.00	2.334	2.80	23.2	37.5	98.4
102.00	1.00	1.27	7.562	8.32	0.00	1.200	1.119	1.00	2.319	2.78	23.2	37.3	97.8
103.00	1.00	1.27	7.578	8.34	0.00	1.200	1.121	1.00	2.305	2.77	23.1	37.1	97.2
104.00	1.00	1.28	7.593	8.35	0.00	1.200	1.122	1.00	2.291	2.75	23.0	36.9	96.6
105.00	1.00	1.28	7.609	8.37	0.00	1.200	1.123	1.00	2.277	2.73	22.9	36.7	96.0
106.00	1.00	1.28	7.624	8.39	0.00	1.200	1.124	1.00	2.263	2.72	22.8	36.5	95.4
107.00	1.00	1.28	7.639	8.40	0.00	1.200	1.125	1.00	2.249	2.70	22.7	36.3	94.8
108.00 Appurtenance(s)	1.00	1.29	7.654	8.42	0.00	1.200	1.126	1.00	2.235	2.68	22.6	36.1	94.2
109.00	1.00	1.29	7.669	8.44	0.00	1.200	1.127	1.00	2.221	2.67	22.5	35.9	93.5
110.00	1.00	1.29	7.683	8.45	0.00	1.200	1.128	1.00	2.207	2.65	22.4	35.7	92.9
111.00	1.00	1.29	7.698	8.47	0.00	1.200	1.129	1.00	2.193	2.63	22.3	35.5	92.3
112.00	1.00	1.30	7.713	8.48	0.00	1.200	1.130	1.00	2.179	2.61	22.2	35.3	91.7
113.00	1.00	1.30	7.727	8.50	0.00	1.200	1.131	1.00	2.165	2.60	22.1	35.1	91.1
114.00	1.00	1.30	7.741	8.52	0.00	1.200	1.132	1.00	2.151	2.58	22.0	34.9	90.5
115.00	1.00	1.30	7.756	8.53	0.00	1.200	1.133	1.00	2.137	2.56	21.9	34.6	89.8
116.00	1.00	1.31	7.770	8.55	0.00	1.200	1.134	1.00	2.123	2.55	21.8	34.4	89.2
117.00	1.00	1.31	7.784	8.56	0.00	1.200	1.135	1.00	2.109	2.53	21.7	34.2	88.6
118.00 Appurtenance(s)	1.00	1.31	7.798	8.58	0.00	1.200	1.136	1.00	2.094	2.51	21.6	34.0	88.0
Totals:								118.00			2,876.0		20,706.1

Discrete Appurtenance Forces

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

12/1/2022

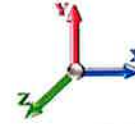
Page: 35



Topography: 1

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 28

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	118.00	MS-H1436 (Heavy Collar	1	7.798	8.578	1.00	1.00	3.78	228.16	0.000	0.000	32.45	0.00	0.00
2	118.00	AIR6449 B41	3	7.798	8.578	0.53	0.75	10.01	543.44	0.000	0.000	85.90	0.00	0.00
3	118.00	RRUS 4415 B25	3	7.798	8.578	0.38	0.75	2.22	217.66	0.000	0.000	19.06	0.00	0.00
4	118.00	4449 B71 + B85	3	7.798	8.578	0.38	0.75	2.63	201.07	0.000	0.000	22.59	0.00	0.00
5	118.00	Kickers and Braces	1	7.798	8.578	1.00	1.00	11.77	243.87	0.000	0.000	100.96	0.00	0.00
6	118.00	ALU - External Notch	3	7.825	8.608	0.38	0.75	1.35	51.13	0.000	2.000	11.63	0.00	23.26
7	118.00	APXVAALL24_43-U-NA20	3	7.798	8.578	0.52	0.75	33.80	1240.92	0.000	0.000	289.93	0.00	0.00
8	118.00	800 MHz RRH	3	7.825	8.608	0.38	0.75	3.64	271.91	0.000	2.000	31.32	0.00	62.64
9	118.00	ACU-A20-N	4	7.825	8.608	0.38	0.75	0.50	10.78	0.000	2.000	4.30	0.00	8.60
10	118.00	KRD 9011461-B66A-B2A	3	7.798	8.578	0.65	0.75	14.14	811.11	0.000	0.000	121.28	0.00	0.00
11	118.00	Platform w/ Hand Rails	1	7.798	8.578	1.00	1.00	52.29	3163.07	0.000	0.000	448.52	0.00	0.00
12	108.00	Raycap DC6-48-60-18-8F	3	7.654	8.419	0.75	0.75	2.71	191.40	0.000	0.000	22.78	0.00	0.00
13	108.00	ERICSSON RRUS 4449	3	7.654	8.419	0.50	0.75	3.50	334.22	0.000	0.000	29.48	0.00	0.00
14	108.00	Ericsson RRUS 8843 B2	3	7.654	8.419	0.50	0.75	2.97	322.84	0.000	0.000	25.04	0.00	0.00
15	108.00	Ericsson RRUS 4478 B14	3	7.654	8.419	0.50	0.75	2.99	265.89	0.000	0.000	25.19	0.00	0.00
16	108.00	Cci TPA65R-BU6DA-K	3	7.654	8.419	0.54	0.75	22.39	638.66	0.000	0.000	188.50	0.00	0.00
17	108.00	Ericsson AIR6419 B77G	3	7.654	8.419	0.57	0.75	7.38	356.06	0.000	0.000	62.10	0.00	0.00
18	108.00	Ericsson AIR6449 B77D	3	7.654	8.419	0.64	0.75	8.93	565.80	0.000	0.000	75.20	0.00	0.00
19	108.00	Platform + HR & V-Brace	1	7.654	8.419	1.00	1.00	70.91	3714.18	0.000	0.000	597.04	0.00	0.00
20	108.00	Cci DMP65R-BU6DA	3	7.654	8.419	0.54	0.75	22.12	653.99	0.000	0.000	186.23	0.00	0.00
21	99.00	Samsung RF4439d-25A -	3	7.547	8.301	0.50	0.75	3.37	221.26	0.000	2.000	27.94	0.00	55.88
22	99.00	JMA MX06FRO660-03	3	7.515	8.266	0.65	0.75	21.01	703.89	0.000	0.000	173.67	0.00	0.00
23	99.00	JMA MX06FRO660-03	3	7.515	8.266	0.65	0.75	21.01	703.89	0.000	0.000	173.67	0.00	0.00
24	99.00	Samsung MT6407-77A	3	7.515	8.266	0.52	0.75	8.33	525.87	0.000	0.000	68.86	0.00	0.00
25	99.00	Low Profile Platform	1	7.515	8.266	1.00	1.00	45.40	2618.41	0.000	0.000	375.31	0.00	0.00
26	99.00	Samsung RF4440d-13A -	3	7.547	8.301	0.50	0.75	3.37	311.83	0.000	2.000	27.94	0.00	55.88
27	99.00	RFS DB-T1-6Z-8AB-0Z -	2	7.515	8.266	0.50	0.75	5.47	462.14	0.000	0.000	45.22	0.00	0.00
28	99.00	Support Rail Kit - Mods	1	7.515	8.266	1.00	1.00	16.74	1754.67	0.000	0.000	138.36	0.00	0.00
Totals:									21,328.12			3,410.47		

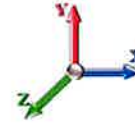
Total Applied Force Summary

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Page: 36
	Struct Class: II	



Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 28

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
1.00		28.14	254.14	0.00	0.00
2.00		28.19	256.23	0.00	0.00
3.00		28.19	257.14	0.00	0.00
4.00		28.16	257.54	0.00	0.00
5.00		28.12	257.65	0.00	0.00
6.00		28.07	257.57	0.00	0.00
6.50		14.01	128.64	0.00	0.00
7.00		14.00	128.58	0.00	0.00
8.00		27.95	257.05	0.00	0.00
9.00		27.89	256.67	0.00	0.00
10.00		24.50	251.82	0.00	0.00
11.00		23.31	249.80	0.00	0.00
12.00		23.22	249.21	0.00	0.00
13.00		23.14	248.58	0.00	0.00
14.00		23.05	247.92	0.00	0.00
15.00		22.96	247.24	0.00	0.00
16.00		23.15	246.53	0.00	0.00
17.00		23.36	245.81	0.00	0.00
18.00		23.55	245.07	0.00	0.00
19.00		23.73	244.31	0.00	0.00
20.00		23.89	243.54	0.00	0.00
21.00		24.04	242.76	0.00	0.00
22.00		24.18	241.97	0.00	0.00
23.00		24.31	241.16	0.00	0.00
24.00		24.43	240.35	0.00	0.00
25.00		24.54	239.52	0.00	0.00
26.00		24.64	238.69	0.00	0.00
27.00		24.73	237.85	0.00	0.00
28.00		24.82	237.00	0.00	0.00
29.00		24.90	236.14	0.00	0.00
30.00		24.97	235.28	0.00	0.00
31.00		25.04	234.41	0.00	0.00
32.00		25.10	233.54	0.00	0.00
33.00		25.15	232.66	0.00	0.00
34.00		25.20	231.77	0.00	0.00
35.00		25.25	230.88	0.00	0.00
36.00		25.29	229.99	0.00	0.00
37.00		25.32	229.09	0.00	0.00
38.00		25.35	228.19	0.00	0.00
39.00		25.38	227.28	0.00	0.00
40.00		25.40	226.37	0.00	0.00
40.75		19.05	169.19	0.00	0.00
41.00		6.46	91.46	0.00	0.00
42.00		25.88	364.80	0.00	0.00
43.00		25.90	363.20	0.00	0.00
44.00		25.91	361.60	0.00	0.00

Total Applied Force Summary

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Page: 37
	Struct Class: II	



45.00	25.91	360.00	0.00	0.00	
46.00	25.92	197.71	0.00	0.00	
47.00	25.92	196.91	0.00	0.00	
48.00	25.91	196.11	0.00	0.00	
49.00	25.91	195.31	0.00	0.00	
50.00	25.90	194.51	0.00	0.00	
51.00	25.89	193.70	0.00	0.00	
52.00	25.87	192.89	0.00	0.00	
53.00	25.85	192.07	0.00	0.00	
54.00	25.83	191.26	0.00	0.00	
55.00	25.81	190.44	0.00	0.00	
56.00	25.79	189.62	0.00	0.00	
57.00	25.76	188.80	0.00	0.00	
58.00	25.73	187.98	0.00	0.00	
59.00	25.70	187.15	0.00	0.00	
60.00	25.67	186.32	0.00	0.00	
61.00	25.63	185.49	0.00	0.00	
62.00	25.60	184.66	0.00	0.00	
63.00	25.56	183.83	0.00	0.00	
64.00	25.51	182.99	0.00	0.00	
65.00	25.47	182.16	0.00	0.00	
66.00	25.43	181.32	0.00	0.00	
67.00	25.38	180.48	0.00	0.00	
68.00	25.33	179.64	0.00	0.00	
69.00	25.28	178.79	0.00	0.00	
70.00	25.23	177.95	0.00	0.00	
71.00	25.17	177.10	0.00	0.00	
72.00	25.12	176.25	0.00	0.00	
73.00	25.06	175.41	0.00	0.00	
74.00	25.00	174.55	0.00	0.00	
75.00	24.94	173.70	0.00	0.00	
76.00	24.88	172.85	0.00	0.00	
77.00	24.82	172.00	0.00	0.00	
78.00	25.06	241.92	0.00	0.00	
79.00	24.99	240.66	0.00	0.00	
80.00	24.93	239.39	0.00	0.00	
80.75	18.64	178.73	0.00	0.00	
81.00	6.20	31.25	0.00	0.00	
82.00	24.79	124.55	0.00	0.00	
83.00	24.72	123.96	0.00	0.00	
84.00	24.65	123.36	0.00	0.00	
85.00	24.57	122.77	0.00	0.00	
86.00	24.50	122.18	0.00	0.00	
87.00	24.42	121.59	0.00	0.00	
88.00	24.35	120.99	0.00	0.00	
89.00	24.27	120.40	0.00	0.00	
90.00	24.19	119.80	0.00	0.00	
91.00	24.11	119.20	0.00	0.00	
92.00	24.03	118.60	0.00	0.00	
93.00	23.94	118.00	0.00	0.00	
94.00	23.86	117.40	0.00	0.00	
95.00	23.78	116.80	0.00	0.00	
96.00	23.69	116.20	0.00	0.00	
97.00	23.60	115.59	0.00	0.00	
98.00	23.52	114.99	0.00	0.00	
99.00	(19) attachments	1054.39	7416.35	0.00	111.75
100.00		23.34	111.14	0.00	0.00

Total Applied Force Summary

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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101.00		23.25	110.53	0.00	0.00
102.00		23.15	109.92	0.00	0.00
103.00		23.06	109.31	0.00	0.00
104.00		22.97	108.71	0.00	0.00
105.00		22.87	108.09	0.00	0.00
106.00		22.78	107.48	0.00	0.00
107.00		22.68	106.87	0.00	0.00
108.00	(25) attachments	1234.15	7149.29	0.00	0.00
109.00		22.48	99.34	0.00	0.00
110.00		22.38	98.72	0.00	0.00
111.00		22.28	98.11	0.00	0.00
112.00		22.18	97.49	0.00	0.00
113.00		22.08	96.88	0.00	0.00
114.00		21.98	96.26	0.00	0.00
115.00		21.87	95.64	0.00	0.00
116.00		21.77	95.02	0.00	0.00
117.00		21.66	94.41	0.00	0.00
118.00	(28) attachments	1189.51	7076.91	0.00	94.51
	Totals:	6,326.21	43,710.92	0.00	206.26

Linear Appurtenance Segment Forces (Factored)

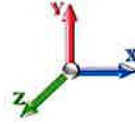
Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 28

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
1.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.37	0.73	0.000	0.000	5.058	4.09	4.65
2.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.38	0.75	0.000	0.000	5.058	4.18	4.97
3.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.38	0.76	0.000	0.000	5.058	4.24	5.18
4.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.38	0.77	0.000	0.000	5.058	4.28	5.33
5.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.39	0.78	0.000	0.000	5.058	4.32	5.45
6.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.39	0.78	0.000	0.000	5.058	4.35	5.56
6.50	1.5" Reinforcing Plate	Yes	0.50	2.000	3.00	0.20	0.39	0.000	0.000	5.058	2.18	2.80
7.00	1.5" Reinforcing Plate	Yes	0.50	2.000	3.00	0.20	0.39	0.000	0.000	5.058	2.18	2.82
8.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.39	0.79	0.000	0.000	5.058	4.39	5.72
9.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.40	0.79	0.000	0.000	5.058	4.41	5.79
10.00	1.5" Reinforcing Plate	Yes	0.25	2.000	3.00	0.10	0.20	0.000	0.000	5.058	1.11	1.46
Totals:											39.7	49.7

Calculated Forces

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

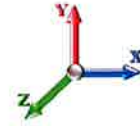
Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

12/1/2022
 Page: 40



Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 28

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (-) (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-43.71	-6.33	0.00	-587.02	0.00	587.02	3290.40	849.68	2838.99	2685.80	0.00	0.000	0.000	0.163
1.00	-43.45	-6.31	0.00	-580.69	0.00	580.69	3282.44	846.18	2815.67	2668.18	0.00	-0.012	0.000	0.162
2.00	-43.20	-6.29	0.00	-574.38	0.00	574.38	3274.43	842.68	2792.45	2650.57	0.01	-0.024	0.000	0.161
3.00	-42.94	-6.27	0.00	-568.09	0.00	568.09	3266.38	839.19	2769.32	2632.98	0.01	-0.036	0.000	0.160
4.00	-42.68	-6.25	0.00	-561.82	0.00	561.82	3258.28	835.69	2746.29	2615.40	0.02	-0.048	0.000	0.159
5.00	-42.42	-6.23	0.00	-555.57	0.00	555.57	3250.13	832.20	2723.36	2597.84	0.03	-0.059	0.000	0.158
6.00	-42.16	-6.21	0.00	-549.34	0.00	549.34	3241.94	828.70	2700.52	2580.31	0.05	-0.071	0.000	0.157
6.50	-42.03	-6.20	0.00	-546.23	0.00	546.23	3237.83	826.95	2689.14	2571.54	0.05	-0.077	0.000	0.157
6.50	-42.03	-6.20	0.00	-546.23	0.00	546.23	3237.83	826.95	2689.14	2571.54	0.05	-0.077	0.000	0.218
7.00	-41.90	-6.19	0.00	-543.13	0.00	543.13	3233.71	825.20	2677.78	2562.79	0.06	-0.083	0.000	0.225
8.00	-41.64	-6.18	0.00	-536.94	0.00	536.94	3225.42	821.71	2655.14	2545.29	0.08	-0.100	0.000	0.224
9.00	-41.39	-6.16	0.00	-530.76	0.00	530.76	3217.09	818.21	2632.59	2527.81	0.10	-0.117	0.000	0.223
10.00	-41.13	-6.15	0.00	-524.60	0.00	524.60	3208.72	814.71	2610.13	2510.35	0.13	-0.134	0.000	0.222
11.00	-40.88	-6.14	0.00	-518.45	0.00	518.45	3200.29	811.22	2587.78	2492.91	0.16	-0.151	0.000	0.221
12.00	-40.63	-6.13	0.00	-512.31	0.00	512.31	3191.83	807.72	2565.52	2475.49	0.19	-0.168	0.000	0.220
13.00	-40.38	-6.11	0.00	-506.18	0.00	506.18	3183.31	804.22	2543.35	2458.10	0.23	-0.185	0.000	0.219
14.00	-40.13	-6.10	0.00	-500.07	0.00	500.07	3174.75	800.73	2521.28	2440.72	0.27	-0.202	0.000	0.218
15.00	-39.88	-6.09	0.00	-493.97	0.00	493.97	3166.15	797.23	2499.31	2423.37	0.32	-0.219	0.000	0.216
16.00	-39.63	-6.08	0.00	-487.88	0.00	487.88	3157.49	793.73	2477.44	2406.05	0.36	-0.236	0.000	0.215
17.00	-39.39	-6.07	0.00	-481.80	0.00	481.80	3148.79	790.24	2455.66	2388.74	0.41	-0.253	0.000	0.214
18.00	-39.14	-6.05	0.00	-475.73	0.00	475.73	3140.05	786.74	2433.97	2371.46	0.47	-0.270	0.000	0.213
19.00	-38.89	-6.04	0.00	-469.68	0.00	469.68	3131.26	783.24	2412.39	2354.21	0.53	-0.287	0.000	0.212
20.00	-38.65	-6.03	0.00	-463.64	0.00	463.64	3122.42	779.75	2390.90	2336.98	0.59	-0.304	0.000	0.211
21.00	-38.40	-6.01	0.00	-457.62	0.00	457.62	3113.54	776.25	2369.50	2319.78	0.66	-0.321	0.000	0.210
22.00	-38.16	-6.00	0.00	-451.61	0.00	451.61	3104.61	772.75	2348.20	2302.60	0.72	-0.338	0.000	0.208
23.00	-37.92	-5.98	0.00	-445.61	0.00	445.61	3095.63	769.26	2327.00	2285.45	0.80	-0.355	0.000	0.207
24.00	-37.67	-5.97	0.00	-439.63	0.00	439.63	3086.61	765.76	2305.89	2268.32	0.87	-0.372	0.000	0.206
25.00	-37.43	-5.95	0.00	-433.66	0.00	433.66	3077.54	762.26	2284.88	2251.23	0.95	-0.389	0.000	0.205
26.00	-37.19	-5.94	0.00	-427.71	0.00	427.71	3068.43	758.77	2263.97	2234.16	1.04	-0.406	0.000	0.204
27.00	-36.95	-5.92	0.00	-421.77	0.00	421.77	3059.27	755.27	2243.15	2217.12	1.12	-0.424	0.000	0.202
28.00	-36.72	-5.91	0.00	-415.85	0.00	415.85	3050.06	751.77	2222.43	2200.10	1.21	-0.441	0.000	0.201
29.00	-36.48	-5.89	0.00	-409.94	0.00	409.94	3040.81	748.28	2201.80	2183.12	1.31	-0.458	0.000	0.200
30.00	-36.24	-5.87	0.00	-404.05	0.00	404.05	3031.51	744.78	2181.27	2166.17	1.41	-0.475	0.000	0.199
31.00	-36.00	-5.86	0.00	-398.18	0.00	398.18	3022.17	741.28	2160.84	2149.25	1.51	-0.492	0.000	0.197
32.00	-35.77	-5.84	0.00	-392.32	0.00	392.32	3012.78	737.79	2140.50	2132.35	1.61	-0.509	0.000	0.196
33.00	-35.54	-5.83	0.00	-386.48	0.00	386.48	3003.34	734.29	2120.26	2115.49	1.72	-0.526	0.000	0.195
34.00	-35.30	-5.81	0.00	-380.65	0.00	380.65	2993.86	730.79	2100.12	2098.66	1.83	-0.543	0.000	0.193
35.00	-35.07	-5.79	0.00	-374.85	0.00	374.85	2984.33	727.30	2080.07	2081.87	1.95	-0.560	0.000	0.192
36.00	-34.84	-5.77	0.00	-369.06	0.00	369.06	2974.76	723.80	2060.12	2065.10	2.07	-0.577	0.000	0.190
37.00	-34.61	-5.76	0.00	-363.28	0.00	363.28	2965.14	720.30	2040.26	2048.37	2.19	-0.594	0.000	0.189
38.00	-34.38	-5.74	0.00	-357.53	0.00	357.53	2955.47	716.81	2020.50	2031.68	2.32	-0.611	0.000	0.188
39.00	-34.15	-5.72	0.00	-351.79	0.00	351.79	2945.76	713.31	2000.83	2015.01	2.45	-0.628	0.000	0.186
40.00	-33.92	-5.70	0.00	-346.07	0.00	346.07	2936.00	709.81	1981.27	1998.38	2.58	-0.645	0.000	0.185
40.75	-33.75	-5.69	0.00	-341.79	0.00	341.79	2928.65	707.19	1966.65	1985.93	2.68	-0.657	0.000	0.184
41.00	-33.66	-5.68	0.00	-340.37	0.00	340.37	2926.19	706.32	1961.80	1981.79	2.72	-0.662	0.000	0.183
42.00	-33.29	-5.66	0.00	-334.68	0.00	334.68	2916.34	702.82	1942.42	1965.23	2.86	-0.678	0.000	0.182
43.00	-32.93	-5.64	0.00	-329.02	0.00	329.02	2906.44	699.32	1923.14	1948.71	3.00	-0.695	0.000	0.180
44.00	-32.57	-5.62	0.00	-323.38	0.00	323.38	2896.50	695.83	1903.96	1932.22	3.15	-0.712	0.000	0.179

Calculated Forces

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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45.00	-32.21	-5.60	0.00	-317.75	0.00	317.75	2282.79	589.08	1637.53	1550.20	3.30	-0.729	0.000	0.219
46.00	-32.01	-5.58	0.00	-312.15	0.00	312.15	2276.14	586.17	1621.37	1537.97	3.45	-0.745	0.000	0.217
47.00	-31.81	-5.57	0.00	-306.57	0.00	306.57	2269.44	583.26	1605.29	1525.75	3.61	-0.764	0.000	0.215
48.00	-31.61	-5.55	0.00	-301.01	0.00	301.01	2262.69	580.34	1589.29	1513.54	3.77	-0.783	0.000	0.213
49.00	-31.41	-5.53	0.00	-295.46	0.00	295.46	2255.90	577.43	1573.37	1501.35	3.94	-0.801	0.000	0.211
50.00	-31.22	-5.51	0.00	-289.93	0.00	289.93	2249.07	574.51	1557.53	1489.18	4.11	-0.820	0.000	0.209
51.00	-31.02	-5.49	0.00	-284.42	0.00	284.42	2242.18	571.60	1541.77	1477.02	4.28	-0.838	0.000	0.206
52.00	-30.83	-5.47	0.00	-278.93	0.00	278.93	2235.25	568.69	1526.09	1464.87	4.46	-0.857	0.000	0.204
53.00	-30.63	-5.45	0.00	-273.46	0.00	273.46	2228.28	565.77	1510.49	1452.75	4.64	-0.875	0.000	0.202
54.00	-30.44	-5.43	0.00	-268.00	0.00	268.00	2221.25	562.86	1494.98	1440.64	4.83	-0.893	0.000	0.200
55.00	-30.25	-5.42	0.00	-262.57	0.00	262.57	2214.18	559.94	1479.54	1428.55	5.02	-0.911	0.000	0.198
56.00	-30.06	-5.40	0.00	-257.16	0.00	257.16	2207.07	557.03	1464.18	1416.48	5.21	-0.930	0.000	0.195
57.00	-29.87	-5.38	0.00	-251.76	0.00	251.76	2199.91	554.12	1448.90	1404.42	5.41	-0.947	0.000	0.193
58.00	-29.68	-5.36	0.00	-246.38	0.00	246.38	2192.70	551.20	1433.70	1392.39	5.61	-0.965	0.000	0.191
59.00	-29.49	-5.34	0.00	-241.03	0.00	241.03	2185.45	548.29	1418.58	1380.37	5.81	-0.983	0.000	0.188
60.00	-29.30	-5.32	0.00	-235.69	0.00	235.69	2178.15	545.38	1403.55	1368.38	6.02	-1.001	0.000	0.186
61.00	-29.12	-5.30	0.00	-230.37	0.00	230.37	2170.81	542.46	1388.59	1356.41	6.23	-1.018	0.000	0.183
62.00	-28.93	-5.28	0.00	-225.08	0.00	225.08	2163.42	539.55	1373.71	1344.45	6.45	-1.036	0.000	0.181
63.00	-28.75	-5.26	0.00	-219.80	0.00	219.80	2155.98	536.63	1358.91	1332.52	6.67	-1.053	0.000	0.178
64.00	-28.56	-5.24	0.00	-214.55	0.00	214.55	2148.49	533.72	1344.20	1320.61	6.89	-1.070	0.000	0.176
65.00	-28.38	-5.22	0.00	-209.31	0.00	209.31	2140.97	530.81	1329.56	1308.73	7.11	-1.087	0.000	0.173
66.00	-28.20	-5.20	0.00	-204.09	0.00	204.09	2133.39	527.89	1315.00	1296.86	7.34	-1.104	0.000	0.171
67.00	-28.02	-5.17	0.00	-198.90	0.00	198.90	2125.77	524.98	1300.52	1285.02	7.58	-1.121	0.000	0.168
68.00	-27.84	-5.15	0.00	-193.72	0.00	193.72	2118.10	522.06	1286.13	1273.21	7.81	-1.137	0.000	0.165
69.00	-27.66	-5.13	0.00	-188.57	0.00	188.57	2110.39	519.15	1271.81	1261.42	8.05	-1.154	0.000	0.163
70.00	-27.48	-5.11	0.00	-183.44	0.00	183.44	2102.63	516.24	1257.57	1249.65	8.30	-1.170	0.000	0.160
71.00	-27.30	-5.09	0.00	-178.33	0.00	178.33	2094.82	513.32	1243.42	1237.91	8.54	-1.186	0.000	0.157
72.00	-27.12	-5.07	0.00	-173.24	0.00	173.24	2086.97	510.41	1229.34	1226.19	8.79	-1.202	0.000	0.154
73.00	-26.95	-5.05	0.00	-168.17	0.00	168.17	2079.07	507.50	1215.35	1214.51	9.05	-1.217	0.000	0.152
74.00	-26.77	-5.03	0.00	-163.12	0.00	163.12	2071.12	504.58	1201.43	1202.84	9.30	-1.233	0.000	0.149
75.00	-26.60	-5.00	0.00	-158.10	0.00	158.10	2063.13	501.67	1187.59	1191.21	9.56	-1.248	0.000	0.146
76.00	-26.42	-4.98	0.00	-153.09	0.00	153.09	2055.10	498.75	1173.84	1179.60	9.83	-1.263	0.000	0.143
77.00	-26.25	-4.96	0.00	-148.11	0.00	148.11	2047.01	495.84	1160.16	1168.02	10.09	-1.278	0.000	0.140
78.00	-26.01	-4.94	0.00	-143.15	0.00	143.15	2038.89	492.93	1146.57	1156.47	10.36	-1.293	0.000	0.137
79.00	-25.77	-4.91	0.00	-138.21	0.00	138.21	2030.71	490.01	1133.05	1144.95	10.63	-1.307	0.000	0.134
80.00	-25.53	-4.89	0.00	-133.30	0.00	133.30	2022.49	487.10	1119.62	1133.46	10.91	-1.321	0.000	0.130
80.75	-25.35	-4.87	0.00	-129.64	0.00	129.64	959.89	296.25	690.22	547.79	11.12	-1.331	0.000	0.263
81.00	-25.32	-4.87	0.00	-128.42	0.00	128.42	959.45	295.81	688.19	546.73	11.19	-1.335	0.000	0.262
82.00	-25.19	-4.85	0.00	-123.55	0.00	123.55	957.66	294.06	680.08	542.46	11.47	-1.356	0.000	0.254
83.00	-25.06	-4.83	0.00	-118.70	0.00	118.70	955.82	292.31	672.01	538.18	11.76	-1.377	0.000	0.247
84.00	-24.94	-4.81	0.00	-113.87	0.00	113.87	953.93	290.56	664.00	533.88	12.05	-1.398	0.000	0.240
85.00	-24.82	-4.79	0.00	-109.06	0.00	109.06	952.00	288.82	656.03	529.57	12.34	-1.417	0.000	0.232
86.00	-24.69	-4.77	0.00	-104.27	0.00	104.27	950.03	287.07	648.11	525.25	12.64	-1.437	0.000	0.225
87.00	-24.57	-4.75	0.00	-99.50	0.00	99.50	948.00	285.32	640.24	520.92	12.94	-1.456	0.000	0.217
88.00	-24.45	-4.73	0.00	-94.75	0.00	94.75	945.93	283.57	632.42	516.58	13.25	-1.474	0.000	0.210
89.00	-24.33	-4.71	0.00	-90.01	0.00	90.01	943.82	281.82	624.65	512.22	13.56	-1.492	0.000	0.202
90.00	-24.21	-4.69	0.00	-85.30	0.00	85.30	941.66	280.07	616.92	507.86	13.88	-1.509	0.000	0.194
91.00	-24.09	-4.67	0.00	-80.61	0.00	80.61	939.45	278.33	609.24	503.48	14.19	-1.526	0.000	0.186
92.00	-23.97	-4.65	0.00	-75.93	0.00	75.93	937.20	276.58	601.61	499.09	14.52	-1.542	0.000	0.178
93.00	-23.85	-4.63	0.00	-71.28	0.00	71.28	934.90	274.83	594.03	494.70	14.84	-1.557	0.000	0.170
94.00	-23.73	-4.61	0.00	-66.65	0.00	66.65	932.55	273.08	586.50	490.30	15.17	-1.572	0.000	0.162
95.00	-23.61	-4.59	0.00	-62.04	0.00	62.04	930.16	271.33	579.01	485.89	15.50	-1.585	0.000	0.153
96.00	-23.50	-4.57	0.00	-57.45	0.00	57.45	927.72	269.58	571.57	481.47	15.83	-1.599	0.000	0.145
97.00	-23.38	-4.55	0.00	-52.88	0.00	52.88	925.24	267.84	564.18	477.04	16.17	-1.611	0.000	0.136
98.00	-23.27	-4.52	0.00	-48.34	0.00	48.34	922.71	266.09	556.84	472.61	16.51	-1.623	0.000	0.128
99.00	-15.88	-3.26	0.00	-43.70	0.00	43.70	920.13	264.34	549.55	468.17	16.85	-1.633	0.000	0.111
100.00	-15.77	-3.24	0.00	-40.44	0.00	40.44	917.51	262.59	542.30	463.72	17.19	-1.643	0.000	0.105

Calculated Forces

Structure: CT46133-A-SBA

Code: TIA-222-H

12/1/2022

Site Name: Shelton-north

Exposure: C

Height: 118.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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101.00	-15.66	-3.21	0.00	-37.20	0.00	37.20	914.84	260.84	535.11	459.27	17.54	-1.653	0.000	0.098
102.00	-15.55	-3.19	0.00	-33.99	0.00	33.99	912.12	259.09	527.96	454.82	17.89	-1.662	0.000	0.092
103.00	-15.44	-3.17	0.00	-30.80	0.00	30.80	909.36	257.35	520.86	450.36	18.23	-1.670	0.000	0.086
104.00	-15.33	-3.14	0.00	-27.64	0.00	27.64	906.56	255.60	513.80	445.90	18.58	-1.677	0.000	0.079
105.00	-15.23	-3.12	0.00	-24.49	0.00	24.49	903.70	253.85	506.80	441.43	18.94	-1.684	0.000	0.072
106.00	-15.12	-3.09	0.00	-21.38	0.00	21.38	900.80	252.10	499.84	436.96	19.29	-1.690	0.000	0.066
107.00	-15.01	-3.07	0.00	-18.28	0.00	18.28	897.86	250.35	492.93	432.49	19.65	-1.696	0.000	0.059
108.00	-7.90	-1.62	0.00	-15.22	0.00	15.22	894.87	248.60	486.07	428.01	20.00	-1.700	0.000	0.044
109.00	-7.81	-1.60	0.00	-13.59	0.00	13.59	891.83	246.86	479.26	423.53	20.36	-1.704	0.000	0.041
110.00	-7.71	-1.57	0.00	-11.99	0.00	11.99	888.75	245.11	472.50	419.06	20.72	-1.708	0.000	0.037
111.00	-7.61	-1.55	0.00	-10.42	0.00	10.42	885.62	243.36	465.78	414.58	21.07	-1.712	0.000	0.034
112.00	-7.51	-1.52	0.00	-8.87	0.00	8.87	882.44	241.61	459.11	410.10	21.43	-1.714	0.000	0.030
113.00	-7.42	-1.50	0.00	-7.35	0.00	7.35	879.22	239.86	452.49	405.62	21.79	-1.717	0.000	0.027
114.00	-7.32	-1.48	0.00	-5.85	0.00	5.85	875.95	238.11	445.92	401.14	22.15	-1.719	0.000	0.023
115.00	-7.23	-1.45	0.00	-4.37	0.00	4.37	872.64	236.37	439.39	396.67	22.51	-1.721	0.000	0.019
116.00	-7.13	-1.43	0.00	-2.92	0.00	2.92	869.28	234.62	432.92	392.19	22.87	-1.722	0.000	0.016
117.00	-7.04	-1.40	0.00	-1.50	0.00	1.50	865.87	232.87	426.49	387.72	23.23	-1.723	0.000	0.012
118.00	0.00	-1.19	0.00	-0.09	0.00	0.09	862.42	231.12	420.11	383.25	23.59	-1.723	0.000	0.000

Seismic Segment Forces (Factored)

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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Load Case: 1.2D + 1.0Ev + 1.0Eh

Iterations 25

Gust Response Factor 1.10

Sds 0.22

Ss 0.20

Dead Load Factor 1.20 **Seismic Load Factor** 1.00

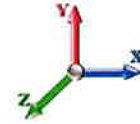
Sd1 0.09

S1 0.05

Wind Load Factor 0.00 **Structure Frequency (f1)** 0.34

SA 0.03

Seismic Importance Factor 1.00



Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)	R: 1.50
0.00	RB1	0.00	0.00	0.00	0.00	
1.00		179.15	0.50	7.76	0.00	
2.00		178.48	1.50	7.73	0.00	
3.00		177.80	2.50	7.70	0.00	
4.00		177.12	3.50	7.67	0.00	
5.00		176.44	4.50	7.64	0.00	
6.00		175.76	5.50	7.61	0.00	
6.50	RT1	87.63	6.25	3.79	0.00	
7.00		87.46	6.75	3.79	0.00	
8.00		174.41	7.50	7.55	0.00	
9.00		173.73	8.50	7.52	0.00	
10.00		173.05	9.50	7.49	0.00	
11.00		172.37	10.50	7.46	0.00	
12.00		171.70	11.50	7.44	0.00	
13.00		171.02	12.50	7.41	0.00	
14.00		170.34	13.50	7.38	0.00	
15.00		169.66	14.50	7.35	0.01	
16.00		168.98	15.50	7.32	0.01	
17.00		168.31	16.50	7.29	0.01	
18.00		167.63	17.50	7.26	0.01	
19.00		166.95	18.50	7.23	0.01	
20.00		166.27	19.50	7.20	0.01	
21.00		165.59	20.50	7.17	0.01	
22.00		164.92	21.50	7.14	0.01	
23.00		164.24	22.50	7.11	0.01	
24.00		163.56	23.50	7.08	0.01	
25.00		162.88	24.50	7.05	0.01	
26.00		162.20	25.50	7.02	0.02	
27.00		161.53	26.50	7.00	0.02	
28.00		160.85	27.50	6.97	0.02	
29.00		160.17	28.50	6.94	0.02	
30.00		159.49	29.50	6.91	0.02	
31.00		158.81	30.50	6.88	0.02	
32.00		158.14	31.50	6.85	0.02	
33.00		157.46	32.50	6.82	0.02	
34.00		156.78	33.50	6.79	0.03	
35.00		156.10	34.50	6.76	0.03	
36.00		155.42	35.50	6.73	0.03	
37.00		154.75	36.50	6.70	0.03	
38.00		154.07	37.50	6.67	0.03	
39.00		153.39	38.50	6.64	0.03	
40.00		152.71	39.50	6.61	0.03	
40.75	Bot - Section 2	114.09	40.38	4.94	0.02	
41.00		67.08	40.88	2.91	0.01	
42.00		267.55	41.50	11.59	0.11	
43.00		266.31	42.50	11.53	0.12	

Seismic Segment Forces (Factored)

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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44.00		265.07	43.50	11.48	0.12
45.00	Top - Section 1	263.82	44.50	11.43	0.13
46.00		128.68	45.50	5.57	0.03
47.00		128.12	46.50	5.55	0.03
48.00		127.55	47.50	5.52	0.03
49.00		126.99	48.50	5.50	0.03
50.00		126.42	49.50	5.47	0.04
51.00		125.86	50.50	5.45	0.04
52.00		125.29	51.50	5.43	0.04
53.00		124.73	52.50	5.40	0.04
54.00		124.16	53.50	5.38	0.04
55.00		123.60	54.50	5.35	0.04
56.00		123.03	55.50	5.33	0.04
57.00		122.47	56.50	5.30	0.04
58.00		121.90	57.50	5.28	0.04
59.00		121.34	58.50	5.25	0.05
60.00		120.77	59.50	5.23	0.05
61.00		120.21	60.50	5.21	0.05
62.00		119.64	61.50	5.18	0.05
63.00		119.08	62.50	5.16	0.05
64.00		118.51	63.50	5.13	0.05
65.00		117.95	64.50	5.11	0.05
66.00		117.38	65.50	5.08	0.05
67.00		116.82	66.50	5.06	0.06
68.00		116.25	67.50	5.03	0.06
69.00		115.69	68.50	5.01	0.06
70.00		115.12	69.50	4.99	0.06
71.00		114.56	70.50	4.96	0.06
72.00		113.99	71.50	4.94	0.06
73.00		113.43	72.50	4.91	0.06
74.00		112.86	73.50	4.89	0.06
75.00		112.30	74.50	4.86	0.06
76.00		111.73	75.50	4.84	0.07
77.00	Bot - Section 3	111.17	76.50	4.81	0.07
78.00		169.15	77.50	7.33	0.16
79.00		168.24	78.50	7.29	0.16
80.00		167.34	79.50	7.25	0.16
80.75	Top - Section 2	124.91	80.38	5.41	0.09
81.00		18.04	80.88	0.78	0.00
82.00		71.93	81.50	3.12	0.03
83.00		71.59	82.50	3.10	0.03
84.00		71.26	83.50	3.09	0.03
85.00		70.92	84.50	3.07	0.03
86.00		70.58	85.50	3.06	0.03
87.00		70.24	86.50	3.04	0.03
88.00		69.90	87.50	3.03	0.03
89.00		69.56	88.50	3.01	0.03
90.00		69.22	89.50	3.00	0.04
91.00		68.88	90.50	2.98	0.04
92.00		68.54	91.50	2.97	0.04
93.00		68.20	92.50	2.95	0.04
94.00		67.87	93.50	2.94	0.04
95.00		67.53	94.50	2.92	0.04
96.00		67.19	95.50	2.91	0.04
97.00		66.85	96.50	2.89	0.04
98.00		66.51	97.50	2.88	0.04
99.00	Appurtenance(s)	3405.5	98.50	147.48	102.83

Seismic Segment Forces (Factored)

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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100.00		63.19	99.50	2.74	0.04
101.00		62.85	100.50	2.72	0.04
102.00		62.51	101.50	2.71	0.04
103.00		62.17	102.50	2.69	0.04
104.00		61.84	103.50	2.68	0.04
105.00		61.50	104.50	2.66	0.04
106.00		61.16	105.50	2.65	0.04
107.00		60.82	106.50	2.63	0.04
108.00	Appurtenance(s)	3925.5	107.50	170.00	162.74
109.00		53.83	108.50	2.33	0.03
110.00		53.49	109.50	2.32	0.03
111.00		53.15	110.50	2.30	0.03
112.00		52.81	111.50	2.29	0.03
113.00		52.47	112.50	2.27	0.03
114.00		52.13	113.50	2.26	0.03
115.00		51.79	114.50	2.24	0.03
116.00		51.46	115.50	2.23	0.03
117.00		51.12	116.50	2.21	0.03
118.00	Appurtenance(s)	3970.0	117.50	171.93	198.86
	Totals:	25,812.8		1,117.9	468.7
					Total Wind: 26,439.3

Calculated Forces

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

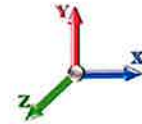
Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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Load Case: 1.2D + 1.0Ev + 1.0Eh						Iterations 25
Gust Response Factor 1.10		Seismic Load Factor 1.00		Sds 0.22	Ss 0.20	
Dead Load Factor 1.20		Structure Frequency (f1) 0.34		Sd1 0.09	S1 0.05	
Wind Load Factor 0.00		SA 0.03		Seismic Importance Factor 1.00		



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-31.77	-0.47	0.00	-54.52	0.00	54.52	3290.40	849.68	2838.99	2685.80	0.00	0.00	0.00	0.020
1.00	-31.55	-0.47	0.00	-54.05	0.00	54.05	3282.44	846.18	2815.67	2668.18	0.00	0.00	0.00	0.020
2.00	-31.33	-0.47	0.00	-53.58	0.00	53.58	3274.43	842.68	2792.45	2650.57	0.00	0.00	0.00	0.020
3.00	-31.11	-0.47	0.00	-53.11	0.00	53.11	3266.38	839.19	2769.32	2632.98	0.00	0.00	0.00	0.020
4.00	-30.89	-0.47	0.00	-52.64	0.00	52.64	3258.28	835.69	2746.29	2615.40	0.00	0.00	0.00	0.020
5.00	-30.68	-0.47	0.00	-52.18	0.00	52.18	3250.13	832.20	2723.36	2597.84	0.00	0.00	-0.01	0.020
6.00	-30.46	-0.47	0.00	-51.71	0.00	51.71	3241.94	828.70	2700.52	2580.31	0.00	0.00	-0.01	0.019
6.50	-30.35	-0.47	0.00	-51.47	0.00	51.47	3237.83	826.95	2689.14	2571.54	0.00	0.00	-0.01	0.019
6.50	-30.35	-0.47	0.00	-51.47	0.00	51.47	3237.83	826.95	2689.14	2571.54	0.00	0.00	-0.01	0.025
7.00	-30.25	-0.47	0.00	-51.24	0.00	51.24	3233.71	825.20	2677.78	2562.79	0.01	0.01	-0.01	0.029
8.00	-30.03	-0.47	0.00	-50.76	0.00	50.76	3225.42	821.71	2655.14	2545.29	0.01	0.01	-0.01	0.029
9.00	-29.82	-0.47	0.00	-50.29	0.00	50.29	3217.09	818.21	2632.59	2527.81	0.01	0.01	-0.01	0.029
10.00	-29.61	-0.47	0.00	-49.82	0.00	49.82	3208.72	814.71	2610.13	2510.35	0.01	0.01	-0.01	0.029
11.00	-29.40	-0.47	0.00	-49.35	0.00	49.35	3200.29	811.22	2587.78	2492.91	0.01	0.01	-0.01	0.029
12.00	-29.19	-0.47	0.00	-48.87	0.00	48.87	3191.83	807.72	2565.52	2475.49	0.02	0.02	-0.02	0.029
13.00	-28.98	-0.48	0.00	-48.40	0.00	48.40	3183.31	804.22	2543.35	2458.10	0.02	0.02	-0.02	0.029
14.00	-28.77	-0.48	0.00	-47.92	0.00	47.92	3174.75	800.73	2521.28	2440.72	0.03	0.03	-0.02	0.029
15.00	-28.56	-0.48	0.00	-47.45	0.00	47.45	3166.15	797.23	2499.31	2423.37	0.03	0.03	-0.02	0.029
16.00	-28.35	-0.48	0.00	-46.97	0.00	46.97	3157.49	793.73	2477.44	2406.05	0.03	0.03	-0.02	0.029
17.00	-28.15	-0.48	0.00	-46.49	0.00	46.49	3148.79	790.24	2455.66	2388.74	0.04	0.04	-0.02	0.028
18.00	-27.94	-0.48	0.00	-46.01	0.00	46.01	3140.05	786.74	2433.97	2371.46	0.04	0.04	-0.03	0.028
19.00	-27.74	-0.48	0.00	-45.53	0.00	45.53	3131.26	783.24	2412.39	2354.21	0.05	0.05	-0.03	0.028
20.00	-27.53	-0.48	0.00	-45.05	0.00	45.05	3122.42	779.75	2390.90	2336.98	0.06	0.06	-0.03	0.028
21.00	-27.33	-0.48	0.00	-44.57	0.00	44.57	3113.54	776.25	2369.50	2319.78	0.06	0.06	-0.03	0.028
22.00	-27.13	-0.48	0.00	-44.09	0.00	44.09	3104.61	772.75	2348.20	2302.60	0.07	0.07	-0.03	0.028
23.00	-26.93	-0.48	0.00	-43.61	0.00	43.61	3095.63	769.26	2327.00	2285.45	0.08	0.08	-0.03	0.028
24.00	-26.73	-0.48	0.00	-43.13	0.00	43.13	3086.61	765.76	2305.89	2268.32	0.08	0.08	-0.04	0.028
25.00	-26.53	-0.48	0.00	-42.64	0.00	42.64	3077.54	762.26	2284.88	2251.23	0.09	0.09	-0.04	0.028
26.00	-26.33	-0.48	0.00	-42.16	0.00	42.16	3068.43	758.77	2263.97	2234.16	0.10	0.10	-0.04	0.027
27.00	-26.13	-0.49	0.00	-41.67	0.00	41.67	3059.27	755.27	2243.15	2217.12	0.11	0.11	-0.04	0.027
28.00	-25.93	-0.49	0.00	-41.19	0.00	41.19	3050.06	751.77	2222.43	2200.10	0.12	0.12	-0.04	0.027
29.00	-25.74	-0.49	0.00	-40.70	0.00	40.70	3040.81	748.28	2201.80	2183.12	0.12	0.12	-0.04	0.027
30.00	-25.54	-0.49	0.00	-40.22	0.00	40.22	3031.51	744.78	2181.27	2166.17	0.13	0.13	-0.05	0.027
31.00	-25.35	-0.49	0.00	-39.73	0.00	39.73	3022.17	741.28	2160.84	2149.25	0.14	0.14	-0.05	0.027
32.00	-25.15	-0.49	0.00	-39.24	0.00	39.24	3012.78	737.79	2140.50	2132.35	0.15	0.15	-0.05	0.027
33.00	-24.96	-0.49	0.00	-38.75	0.00	38.75	3003.34	734.29	2120.26	2115.49	0.16	0.16	-0.05	0.027
34.00	-24.77	-0.49	0.00	-38.26	0.00	38.26	2993.86	730.79	2100.12	2098.66	0.18	0.18	-0.05	0.027
35.00	-24.58	-0.49	0.00	-37.78	0.00	37.78	2984.33	727.30	2080.07	2081.87	0.19	0.19	-0.05	0.026
36.00	-24.39	-0.49	0.00	-37.29	0.00	37.29	2974.76	723.80	2060.12	2065.10	0.20	0.20	-0.06	0.026
37.00	-24.20	-0.49	0.00	-36.80	0.00	36.80	2965.14	720.30	2040.26	2048.37	0.21	0.21	-0.06	0.026
38.00	-24.01	-0.49	0.00	-36.30	0.00	36.30	2955.47	716.81	2020.50	2031.68	0.22	0.22	-0.06	0.026
39.00	-23.82	-0.49	0.00	-35.81	0.00	35.81	2945.76	713.31	2000.83	2015.01	0.23	0.23	-0.06	0.026
40.00	-23.63	-0.49	0.00	-35.32	0.00	35.32	2936.00	709.81	1981.27	1998.38	0.25	0.25	-0.06	0.026
40.75	-23.49	-0.49	0.00	-34.95	0.00	34.95	2928.65	707.19	1966.65	1985.93	0.26	0.26	-0.06	0.026
41.00	-23.41	-0.49	0.00	-34.83	0.00	34.83	2926.19	706.32	1961.80	1981.79	0.26	0.26	-0.06	0.026
42.00	-23.08	-0.49	0.00	-34.34	0.00	34.34	2916.34	702.82	1942.42	1965.23	0.27	0.27	-0.07	0.025
43.00	-22.75	-0.49	0.00	-33.84	0.00	33.84	2906.44	699.32	1923.14	1948.71	0.29	0.29	-0.07	0.025

Calculated Forces

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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44.00	-22.43	-0.49	0.00	-33.35	0.00	33.35	2896.50	695.83	1903.96	1932.22	0.30	-0.07	0.025
45.00	-22.10	-0.49	0.00	-32.86	0.00	32.86	2282.79	589.08	1637.53	1550.20	0.32	-0.07	0.031
46.00	-21.94	-0.49	0.00	-32.36	0.00	32.36	2276.14	586.17	1621.37	1537.97	0.33	-0.07	0.031
47.00	-21.79	-0.49	0.00	-31.87	0.00	31.87	2269.44	583.26	1605.29	1525.75	0.35	-0.08	0.030
48.00	-21.63	-0.50	0.00	-31.37	0.00	31.37	2262.69	580.34	1589.29	1513.54	0.36	-0.08	0.030
49.00	-21.48	-0.50	0.00	-30.88	0.00	30.88	2255.90	577.43	1573.37	1501.35	0.38	-0.08	0.030
50.00	-21.32	-0.50	0.00	-30.38	0.00	30.38	2249.07	574.51	1557.53	1489.18	0.40	-0.08	0.030
51.00	-21.17	-0.50	0.00	-29.89	0.00	29.89	2242.18	571.60	1541.77	1477.02	0.41	-0.08	0.030
52.00	-21.02	-0.50	0.00	-29.39	0.00	29.39	2235.25	568.69	1526.09	1464.87	0.43	-0.08	0.029
53.00	-20.86	-0.50	0.00	-28.89	0.00	28.89	2228.28	565.77	1510.49	1452.75	0.45	-0.09	0.029
54.00	-20.71	-0.50	0.00	-28.40	0.00	28.40	2221.25	562.86	1494.98	1440.64	0.47	-0.09	0.029
55.00	-20.56	-0.50	0.00	-27.90	0.00	27.90	2214.18	559.94	1479.54	1428.55	0.49	-0.09	0.029
56.00	-20.41	-0.50	0.00	-27.40	0.00	27.40	2207.07	557.03	1464.18	1416.48	0.51	-0.09	0.029
57.00	-20.26	-0.50	0.00	-26.90	0.00	26.90	2199.91	554.12	1448.90	1404.42	0.53	-0.09	0.028
58.00	-20.11	-0.50	0.00	-26.40	0.00	26.40	2192.70	551.20	1433.70	1392.39	0.55	-0.10	0.028
59.00	-19.97	-0.50	0.00	-25.90	0.00	25.90	2185.45	548.29	1418.58	1380.37	0.57	-0.10	0.028
60.00	-19.82	-0.50	0.00	-25.40	0.00	25.40	2178.15	545.38	1403.55	1368.38	0.59	-0.10	0.028
61.00	-19.67	-0.50	0.00	-24.90	0.00	24.90	2170.81	542.46	1388.59	1356.41	0.61	-0.10	0.027
62.00	-19.53	-0.50	0.00	-24.40	0.00	24.40	2163.42	539.55	1373.71	1344.45	0.63	-0.10	0.027
63.00	-19.38	-0.50	0.00	-23.90	0.00	23.90	2155.98	536.63	1358.91	1332.52	0.65	-0.11	0.027
64.00	-19.24	-0.50	0.00	-23.40	0.00	23.40	2148.49	533.72	1344.20	1320.61	0.67	-0.11	0.027
65.00	-19.09	-0.50	0.00	-22.90	0.00	22.90	2140.97	530.81	1329.56	1308.73	0.70	-0.11	0.026
66.00	-18.95	-0.50	0.00	-22.40	0.00	22.40	2133.39	527.89	1315.00	1296.86	0.72	-0.11	0.026
67.00	-18.81	-0.50	0.00	-21.90	0.00	21.90	2125.77	524.98	1300.52	1285.02	0.74	-0.11	0.026
68.00	-18.67	-0.50	0.00	-21.39	0.00	21.39	2118.10	522.06	1286.13	1273.21	0.77	-0.12	0.026
69.00	-18.53	-0.50	0.00	-20.89	0.00	20.89	2110.39	519.15	1271.81	1261.42	0.79	-0.12	0.025
70.00	-18.39	-0.50	0.00	-20.39	0.00	20.39	2102.63	516.24	1257.57	1249.65	0.82	-0.12	0.025
71.00	-18.25	-0.50	0.00	-19.88	0.00	19.88	2094.82	513.32	1243.42	1237.91	0.84	-0.12	0.025
72.00	-18.11	-0.50	0.00	-19.38	0.00	19.38	2086.97	510.41	1229.34	1226.19	0.87	-0.12	0.024
73.00	-17.97	-0.50	0.00	-18.88	0.00	18.88	2079.07	507.50	1215.35	1214.51	0.89	-0.12	0.024
74.00	-17.83	-0.50	0.00	-18.37	0.00	18.37	2071.12	504.58	1201.43	1202.84	0.92	-0.13	0.024
75.00	-17.69	-0.50	0.00	-17.87	0.00	17.87	2063.13	501.67	1187.59	1191.21	0.95	-0.13	0.024
76.00	-17.56	-0.50	0.00	-17.37	0.00	17.37	2055.10	498.75	1173.84	1179.60	0.97	-0.13	0.023
77.00	-17.42	-0.50	0.00	-16.86	0.00	16.86	2047.01	495.84	1160.16	1168.02	1.00	-0.13	0.023
78.00	-17.22	-0.50	0.00	-16.36	0.00	16.36	2038.89	492.93	1146.57	1156.47	1.03	-0.13	0.023
79.00	-17.01	-0.50	0.00	-15.85	0.00	15.85	2030.71	490.01	1133.05	1144.95	1.06	-0.13	0.022
80.00	-16.80	-0.50	0.00	-15.35	0.00	15.35	2022.49	487.10	1119.62	1133.46	1.08	-0.14	0.022
80.75	-16.65	-0.50	0.00	-14.97	0.00	14.97	959.89	296.25	690.22	547.79	1.11	-0.14	0.045
81.00	-16.63	-0.50	0.00	-14.84	0.00	14.84	959.45	295.81	688.19	546.73	1.11	-0.14	0.044
82.00	-16.54	-0.50	0.00	-14.34	0.00	14.34	957.66	294.06	680.08	542.46	1.14	-0.14	0.044
83.00	-16.46	-0.51	0.00	-13.83	0.00	13.83	955.82	292.31	672.01	538.18	1.17	-0.14	0.043
84.00	-16.37	-0.51	0.00	-13.33	0.00	13.33	953.93	290.56	664.00	533.88	1.20	-0.14	0.042
85.00	-16.29	-0.51	0.00	-12.82	0.00	12.82	952.00	288.82	656.03	529.57	1.23	-0.15	0.041
86.00	-16.20	-0.51	0.00	-12.32	0.00	12.32	950.03	287.07	648.11	525.25	1.26	-0.15	0.041
87.00	-16.12	-0.51	0.00	-11.81	0.00	11.81	948.00	285.32	640.24	520.92	1.29	-0.15	0.040
88.00	-16.03	-0.51	0.00	-11.30	0.00	11.30	945.93	283.57	632.42	516.58	1.33	-0.15	0.039
89.00	-15.95	-0.51	0.00	-10.80	0.00	10.80	943.82	281.82	624.65	512.22	1.36	-0.16	0.038
90.00	-15.87	-0.51	0.00	-10.29	0.00	10.29	941.66	280.07	616.92	507.86	1.39	-0.16	0.037
91.00	-15.78	-0.51	0.00	-9.78	0.00	9.78	939.45	278.33	609.24	503.48	1.43	-0.16	0.036
92.00	-15.70	-0.51	0.00	-9.27	0.00	9.27	937.20	276.58	601.61	499.09	1.46	-0.16	0.035
93.00	-15.62	-0.51	0.00	-8.76	0.00	8.76	934.90	274.83	594.03	494.70	1.49	-0.16	0.034
94.00	-15.54	-0.51	0.00	-8.25	0.00	8.25	932.55	273.08	586.50	490.30	1.53	-0.17	0.034
95.00	-15.46	-0.51	0.00	-7.74	0.00	7.74	930.16	271.33	579.01	485.89	1.56	-0.17	0.033
96.00	-15.38	-0.51	0.00	-7.24	0.00	7.24	927.72	269.58	571.57	481.47	1.60	-0.17	0.032
97.00	-15.30	-0.51	0.00	-6.73	0.00	6.73	925.24	267.84	564.18	477.04	1.63	-0.17	0.031
98.00	-15.22	-0.51	0.00	-6.22	0.00	6.22	922.71	266.09	556.84	472.61	1.67	-0.17	0.030
99.00	-10.99	-0.39	0.00	-5.71	0.00	5.71	920.13	264.34	549.55	468.17	1.71	-0.17	0.024

Calculated Forces

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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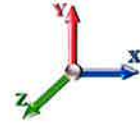
100.00	-10.91	-0.39	0.00	-5.31	0.00	5.31	917.51	262.59	542.30	463.72	1.74	-0.17	0.023
101.00	-10.83	-0.39	0.00	-4.92	0.00	4.92	914.84	260.84	535.11	459.27	1.78	-0.18	0.023
102.00	-10.76	-0.39	0.00	-4.52	0.00	4.52	912.12	259.09	527.96	454.82	1.82	-0.18	0.022
103.00	-10.68	-0.39	0.00	-4.13	0.00	4.13	909.36	257.35	520.86	450.36	1.85	-0.18	0.021
104.00	-10.61	-0.39	0.00	-3.73	0.00	3.73	906.56	255.60	513.80	445.90	1.89	-0.18	0.020
105.00	-10.54	-0.39	0.00	-3.34	0.00	3.34	903.70	253.85	506.80	441.43	1.93	-0.18	0.019
106.00	-10.46	-0.39	0.00	-2.94	0.00	2.94	900.80	252.10	499.84	436.96	1.97	-0.18	0.018
107.00	-10.39	-0.39	0.00	-2.55	0.00	2.55	897.86	250.35	492.93	432.49	2.00	-0.18	0.017
108.00	-5.51	-0.22	0.00	-2.16	0.00	2.16	894.87	248.60	486.07	428.01	2.04	-0.18	0.011
109.00	-5.45	-0.22	0.00	-1.94	0.00	1.94	891.83	246.86	479.26	423.53	2.08	-0.18	0.011
110.00	-5.38	-0.22	0.00	-1.72	0.00	1.72	888.75	245.11	472.50	419.06	2.12	-0.18	0.010
111.00	-5.31	-0.22	0.00	-1.51	0.00	1.51	885.62	243.36	465.78	414.58	2.16	-0.18	0.010
112.00	-5.25	-0.22	0.00	-1.29	0.00	1.29	882.44	241.61	459.11	410.10	2.20	-0.18	0.009
113.00	-5.19	-0.22	0.00	-1.08	0.00	1.08	879.22	239.86	452.49	405.62	2.23	-0.18	0.009
114.00	-5.12	-0.22	0.00	-0.86	0.00	0.86	875.95	238.11	445.92	401.14	2.27	-0.19	0.008
115.00	-5.06	-0.22	0.00	-0.64	0.00	0.64	872.64	236.37	439.39	396.67	2.31	-0.19	0.007
116.00	-5.00	-0.21	0.00	-0.43	0.00	0.43	869.28	234.62	432.92	392.19	2.35	-0.19	0.007
117.00	-4.93	-0.21	0.00	-0.21	0.00	0.21	865.87	232.87	426.49	387.72	2.39	-0.19	0.006
118.00	0.00	-0.20	0.00	0.00	0.00	0.00	862.42	231.12	420.11	383.25	2.43	-0.19	0.000

Seismic Segment Forces (Factored)

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Page: 49



Load Case: 0.9D + 1.0Ev + 1.0Eh				Iterations 25
Gust Response Factor	1.10	Sds	0.22	Ss 0.20
Dead Load Factor	0.90	Seismic Load Factor	1.00	S1 0.05
Wind Load Factor	0.00	Structure Frequency (f1)	0.34	SA 0.03 Seismic Importance Factor 1.00



Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)	R: 1.50
0.00	RB1	0.00	0.00	0.00	0.00	
1.00		175.47	0.50	7.60	0.00	
2.00		174.79	1.50	7.57	0.00	
3.00		174.11	2.50	7.54	0.00	
4.00		173.43	3.50	7.51	0.00	
5.00		172.75	4.50	7.48	0.00	
6.00		172.08	5.50	7.45	0.00	
6.50	RT1	85.78	6.25	3.72	0.00	
7.00		85.61	6.75	3.71	0.00	
8.00		170.72	7.50	7.39	0.00	
9.00		170.04	8.50	7.36	0.00	
10.00		169.36	9.50	7.33	0.00	
11.00		168.69	10.50	7.31	0.00	
12.00		168.01	11.50	7.28	0.00	
13.00		167.33	12.50	7.25	0.00	
14.00		166.65	13.50	7.22	0.00	
15.00		165.98	14.50	7.19	0.01	
16.00		165.30	15.50	7.16	0.01	
17.00		164.62	16.50	7.13	0.01	
18.00		163.94	17.50	7.10	0.01	
19.00		163.26	18.50	7.07	0.01	
20.00		162.59	19.50	7.04	0.01	
21.00		161.91	20.50	7.01	0.01	
22.00		161.23	21.50	6.98	0.01	
23.00		160.55	22.50	6.95	0.01	
24.00		159.87	23.50	6.92	0.01	
25.00		159.20	24.50	6.89	0.01	
26.00		158.52	25.50	6.86	0.01	
27.00		157.84	26.50	6.84	0.02	
28.00		157.16	27.50	6.81	0.02	
29.00		156.48	28.50	6.78	0.02	
30.00		155.81	29.50	6.75	0.02	
31.00		155.13	30.50	6.72	0.02	
32.00		154.45	31.50	6.69	0.02	
33.00		153.77	32.50	6.66	0.02	
34.00		153.09	33.50	6.63	0.02	
35.00		152.42	34.50	6.60	0.03	
36.00		151.74	35.50	6.57	0.03	
37.00		151.06	36.50	6.54	0.03	
38.00		150.38	37.50	6.51	0.03	
39.00		149.70	38.50	6.48	0.03	
40.00		149.03	39.50	6.45	0.03	
40.75	Bot - Section 2	111.32	40.38	4.82	0.02	
41.00		66.16	40.88	2.87	0.01	
42.00		263.87	41.50	11.43	0.11	
43.00		262.62	42.50	11.37	0.11	

Seismic Segment Forces (Factored)

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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44.00		261.38	43.50	11.32	0.12
45.00	Top - Section 1	260.14	44.50	11.27	0.12
46.00		125.00	45.50	5.41	0.03
47.00		124.43	46.50	5.39	0.03
48.00		123.87	47.50	5.36	0.03
49.00		123.30	48.50	5.34	0.03
50.00		122.74	49.50	5.32	0.03
51.00		122.17	50.50	5.29	0.03
52.00		121.61	51.50	5.27	0.04
53.00		121.04	52.50	5.24	0.04
54.00		120.48	53.50	5.22	0.04
55.00		119.91	54.50	5.19	0.04
56.00		119.35	55.50	5.17	0.04
57.00		118.78	56.50	5.14	0.04
58.00		118.22	57.50	5.12	0.04
59.00		117.65	58.50	5.10	0.04
60.00		117.09	59.50	5.07	0.04
61.00		116.52	60.50	5.05	0.05
62.00		115.96	61.50	5.02	0.05
63.00		115.39	62.50	5.00	0.05
64.00		114.83	63.50	4.97	0.05
65.00		114.26	64.50	4.95	0.05
66.00		113.70	65.50	4.92	0.05
67.00		113.13	66.50	4.90	0.05
68.00		112.57	67.50	4.87	0.05
69.00		112.00	68.50	4.85	0.05
70.00		111.44	69.50	4.83	0.05
71.00		110.87	70.50	4.80	0.06
72.00		110.31	71.50	4.78	0.06
73.00		109.74	72.50	4.75	0.06
74.00		109.18	73.50	4.73	0.06
75.00		108.61	74.50	4.70	0.06
76.00		108.05	75.50	4.68	0.06
77.00	Bot - Section 3	107.48	76.50	4.65	0.06
78.00		165.46	77.50	7.17	0.15
79.00		164.55	78.50	7.13	0.15
80.00		163.65	79.50	7.09	0.15
80.75	Top - Section 2	122.14	80.38	5.29	0.09
81.00		17.11	80.88	0.74	0.00
82.00		68.25	81.50	2.96	0.03
83.00		67.91	82.50	2.94	0.03
84.00		67.57	83.50	2.93	0.03
85.00		67.23	84.50	2.91	0.03
86.00		66.89	85.50	2.90	0.03
87.00		66.55	86.50	2.88	0.03
88.00		66.21	87.50	2.87	0.03
89.00		65.87	88.50	2.85	0.03
90.00		65.53	89.50	2.84	0.03
91.00		65.20	90.50	2.82	0.03
92.00		64.86	91.50	2.81	0.03
93.00		64.52	92.50	2.79	0.03
94.00		64.18	93.50	2.78	0.03
95.00		63.84	94.50	2.76	0.03
96.00		63.50	95.50	2.75	0.03
97.00		63.16	96.50	2.74	0.03
98.00		62.82	97.50	2.72	0.03
99.00	Appurtenance(s)	3401.8	98.50	147.32	102.80

Seismic Segment Forces (Factored)

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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100.00		60.16	99.50	2.61	0.03
101.00		59.83	100.50	2.59	0.03
102.00		59.49	101.50	2.58	0.03
103.00		59.15	102.50	2.56	0.03
104.00		58.81	103.50	2.55	0.03
105.00		58.47	104.50	2.53	0.03
106.00		58.13	105.50	2.52	0.03
107.00		57.79	106.50	2.50	0.03
108.00	Appurtenance(s)	3922.5	107.50	169.87	162.80
109.00		52.38	108.50	2.27	0.03
110.00		52.04	109.50	2.25	0.03
111.00		51.70	110.50	2.24	0.03
112.00		51.36	111.50	2.22	0.03
113.00		51.02	112.50	2.21	0.03
114.00		50.68	113.50	2.19	0.03
115.00		50.35	114.50	2.18	0.03
116.00		50.01	115.50	2.17	0.03
117.00		49.67	116.50	2.15	0.03
118.00	Appurtenance(s)	3968.6	117.50	171.87	199.09
	Totals:	25,406.1		1,100.3	468.7

Total Wind: 26,439.3

Calculated Forces

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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Load Case: 0.9D + 1.0Ev + 1.0Eh		Iterations 25	
Gust Response Factor 1.10	Sds 0.22	Ss 0.20	
Dead Load Factor 0.90	Seismic Load Factor 1.00	Sd1 0.09	
Wind Load Factor 0.00	Structure Frequency (f1) 0.34	SA 0.03	
Seismic Importance Factor 1.00			

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-24.09	-0.47	0.00	-53.72	0.00	53.72	3290.40	849.68	2838.99	2685.80	0.00	0.00	0.00	0.018
1.00	-23.92	-0.47	0.00	-53.25	0.00	53.25	3282.44	846.18	2815.67	2668.18	0.00	0.00	0.00	0.018
2.00	-23.76	-0.47	0.00	-52.78	0.00	52.78	3274.43	842.68	2792.45	2650.57	0.00	0.00	0.00	0.018
3.00	-23.59	-0.47	0.00	-52.32	0.00	52.32	3266.38	839.19	2769.32	2632.98	0.00	0.00	0.00	0.018
4.00	-23.43	-0.47	0.00	-51.85	0.00	51.85	3258.28	835.69	2746.29	2615.40	0.00	0.00	0.00	0.018
5.00	-23.26	-0.47	0.00	-51.38	0.00	51.38	3250.13	832.20	2723.36	2597.84	0.00	-0.01	0.018	0.018
6.00	-23.10	-0.47	0.00	-50.91	0.00	50.91	3241.94	828.70	2700.52	2580.31	0.00	0.00	-0.01	0.018
6.50	-23.02	-0.47	0.00	-50.68	0.00	50.68	3237.83	826.95	2689.14	2571.54	0.00	0.00	-0.01	0.018
6.50	-23.02	-0.47	0.00	-50.68	0.00	50.68	3237.83	826.95	2689.14	2571.54	0.00	0.00	-0.01	0.024
7.00	-22.93	-0.47	0.00	-50.44	0.00	50.44	3233.71	825.20	2677.78	2562.79	0.01	-0.01	-0.01	0.027
8.00	-22.77	-0.47	0.00	-49.97	0.00	49.97	3225.42	821.71	2655.14	2545.29	0.01	-0.01	-0.01	0.027
9.00	-22.61	-0.47	0.00	-49.50	0.00	49.50	3217.09	818.21	2632.59	2527.81	0.01	-0.01	-0.01	0.027
10.00	-22.45	-0.47	0.00	-49.03	0.00	49.03	3208.72	814.71	2610.13	2510.35	0.01	-0.01	-0.01	0.027
11.00	-22.29	-0.47	0.00	-48.56	0.00	48.56	3200.29	811.22	2587.78	2492.91	0.01	-0.01	-0.01	0.026
12.00	-22.13	-0.47	0.00	-48.09	0.00	48.09	3191.83	807.72	2565.52	2475.49	0.02	-0.02	-0.02	0.026
13.00	-21.97	-0.47	0.00	-47.61	0.00	47.61	3183.31	804.22	2543.35	2458.10	0.02	-0.02	-0.02	0.026
14.00	-21.81	-0.47	0.00	-47.14	0.00	47.14	3174.75	800.73	2521.28	2440.72	0.03	-0.02	-0.02	0.026
15.00	-21.66	-0.47	0.00	-46.67	0.00	46.67	3166.15	797.23	2499.31	2423.37	0.03	-0.02	-0.02	0.026
16.00	-21.50	-0.48	0.00	-46.19	0.00	46.19	3157.49	793.73	2477.44	2406.05	0.03	-0.02	-0.02	0.026
17.00	-21.34	-0.48	0.00	-45.72	0.00	45.72	3148.79	790.24	2455.66	2388.74	0.04	-0.02	-0.02	0.026
18.00	-21.19	-0.48	0.00	-45.24	0.00	45.24	3140.05	786.74	2433.97	2371.46	0.04	-0.03	-0.03	0.026
19.00	-21.03	-0.48	0.00	-44.76	0.00	44.76	3131.26	783.24	2412.39	2354.21	0.05	-0.03	-0.03	0.026
20.00	-20.88	-0.48	0.00	-44.29	0.00	44.29	3122.42	779.75	2390.90	2336.98	0.05	-0.03	-0.03	0.026
21.00	-20.72	-0.48	0.00	-43.81	0.00	43.81	3113.54	776.25	2369.50	2319.78	0.06	-0.03	-0.03	0.026
22.00	-20.57	-0.48	0.00	-43.33	0.00	43.33	3104.61	772.75	2348.20	2302.60	0.07	-0.03	-0.03	0.025
23.00	-20.42	-0.48	0.00	-42.85	0.00	42.85	3095.63	769.26	2327.00	2285.45	0.07	-0.03	-0.03	0.025
24.00	-20.26	-0.48	0.00	-42.38	0.00	42.38	3086.61	765.76	2305.89	2268.32	0.08	-0.04	-0.04	0.025
25.00	-20.11	-0.48	0.00	-41.90	0.00	41.90	3077.54	762.26	2284.88	2251.23	0.09	-0.04	-0.04	0.025
26.00	-19.96	-0.48	0.00	-41.42	0.00	41.42	3068.43	758.77	2263.97	2234.16	0.10	-0.04	-0.04	0.025
27.00	-19.81	-0.48	0.00	-40.94	0.00	40.94	3059.27	755.27	2243.15	2217.12	0.10	-0.04	-0.04	0.025
28.00	-19.66	-0.48	0.00	-40.46	0.00	40.46	3050.06	751.77	2222.43	2200.10	0.11	-0.04	-0.04	0.025
29.00	-19.51	-0.48	0.00	-39.98	0.00	39.98	3040.81	748.28	2201.80	2183.12	0.12	-0.04	-0.04	0.025
30.00	-19.37	-0.48	0.00	-39.49	0.00	39.49	3031.51	744.78	2181.27	2166.17	0.13	-0.04	-0.04	0.025
31.00	-19.22	-0.48	0.00	-39.01	0.00	39.01	3022.17	741.28	2160.84	2149.25	0.14	-0.05	-0.05	0.025
32.00	-19.07	-0.48	0.00	-38.53	0.00	38.53	3012.78	737.79	2140.50	2132.35	0.15	-0.05	-0.05	0.024
33.00	-18.93	-0.48	0.00	-38.05	0.00	38.05	3003.34	734.29	2120.26	2115.49	0.16	-0.05	-0.05	0.024
34.00	-18.78	-0.48	0.00	-37.56	0.00	37.56	2993.86	730.79	2100.12	2098.66	0.17	-0.05	-0.05	0.024
35.00	-18.64	-0.48	0.00	-37.08	0.00	37.08	2984.33	727.30	2080.07	2081.87	0.18	-0.05	-0.05	0.024
36.00	-18.49	-0.48	0.00	-36.60	0.00	36.60	2974.76	723.80	2060.12	2065.10	0.19	-0.06	-0.06	0.024
37.00	-18.35	-0.48	0.00	-36.11	0.00	36.11	2965.14	720.30	2040.26	2048.37	0.21	-0.06	-0.06	0.024
38.00	-18.21	-0.49	0.00	-35.63	0.00	35.63	2955.47	716.81	2020.50	2031.68	0.22	-0.06	-0.06	0.024
39.00	-18.06	-0.49	0.00	-35.14	0.00	35.14	2945.76	713.31	2000.83	2015.01	0.23	-0.06	-0.06	0.024
40.00	-17.92	-0.49	0.00	-34.66	0.00	34.66	2936.00	709.81	1981.27	1998.38	0.24	-0.06	-0.06	0.023
40.75	-17.82	-0.49	0.00	-34.29	0.00	34.29	2928.65	707.19	1966.65	1985.93	0.25	-0.06	-0.06	0.023
41.00	-17.75	-0.49	0.00	-34.17	0.00	34.17	2926.19	706.32	1961.80	1981.79	0.26	-0.06	-0.06	0.023
42.00	-17.50	-0.49	0.00	-33.69	0.00	33.69	2916.34	702.82	1942.42	1965.23	0.27	-0.07	-0.07	0.023
43.00	-17.25	-0.49	0.00	-33.20	0.00	33.20	2906.44	699.32	1923.14	1948.71	0.28	-0.07	-0.07	0.023

Calculated Forces

Structure: CT46133-A-SBA

Code: TIA-222-H

12/1/2022

Site Name: Shelton-north

Exposure: C



Height: 118.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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Tower Engineering Solutions

44.00	-17.01	-0.49	0.00	-32.71	0.00	32.71	2896.50	695.83	1903.96	1932.22	0.30	-0.07	0.023
45.00	-16.76	-0.49	0.00	-32.23	0.00	32.23	2282.79	589.08	1637.53	1550.20	0.31	-0.07	0.028
46.00	-16.64	-0.49	0.00	-31.74	0.00	31.74	2276.14	586.17	1621.37	1537.97	0.33	-0.07	0.028
47.00	-16.52	-0.49	0.00	-31.25	0.00	31.25	2269.44	583.26	1605.29	1525.75	0.34	-0.07	0.028
48.00	-16.40	-0.49	0.00	-30.77	0.00	30.77	2262.69	580.34	1589.29	1513.54	0.36	-0.08	0.028
49.00	-16.29	-0.49	0.00	-30.28	0.00	30.28	2255.90	577.43	1573.37	1501.35	0.37	-0.08	0.027
50.00	-16.17	-0.49	0.00	-29.79	0.00	29.79	2249.07	574.51	1557.53	1489.18	0.39	-0.08	0.027
51.00	-16.05	-0.49	0.00	-29.30	0.00	29.30	2242.18	571.60	1541.77	1477.02	0.41	-0.08	0.027
52.00	-15.94	-0.49	0.00	-28.81	0.00	28.81	2235.25	568.69	1526.09	1464.87	0.43	-0.08	0.027
53.00	-15.82	-0.49	0.00	-28.32	0.00	28.32	2228.28	565.77	1510.49	1452.75	0.44	-0.09	0.027
54.00	-15.71	-0.49	0.00	-27.83	0.00	27.83	2221.25	562.86	1494.98	1440.64	0.46	-0.09	0.026
55.00	-15.59	-0.49	0.00	-27.35	0.00	27.35	2214.18	559.94	1479.54	1428.55	0.48	-0.09	0.026
56.00	-15.48	-0.49	0.00	-26.86	0.00	26.86	2207.07	557.03	1464.18	1416.48	0.50	-0.09	0.026
57.00	-15.37	-0.49	0.00	-26.37	0.00	26.37	2199.91	554.12	1448.90	1404.42	0.52	-0.09	0.026
58.00	-15.25	-0.49	0.00	-25.87	0.00	25.87	2192.70	551.20	1433.70	1392.39	0.54	-0.09	0.026
59.00	-15.14	-0.49	0.00	-25.38	0.00	25.38	2185.45	548.29	1418.58	1380.37	0.56	-0.10	0.025
60.00	-15.03	-0.49	0.00	-24.89	0.00	24.89	2178.15	545.38	1403.55	1368.38	0.58	-0.10	0.025
61.00	-14.92	-0.49	0.00	-24.40	0.00	24.40	2170.81	542.46	1388.59	1356.41	0.60	-0.10	0.025
62.00	-14.81	-0.49	0.00	-23.91	0.00	23.91	2163.42	539.55	1373.71	1344.45	0.62	-0.10	0.025
63.00	-14.70	-0.49	0.00	-23.42	0.00	23.42	2155.98	536.63	1358.91	1332.52	0.64	-0.10	0.024
64.00	-14.59	-0.49	0.00	-22.93	0.00	22.93	2148.49	533.72	1344.20	1320.61	0.66	-0.11	0.024
65.00	-14.48	-0.49	0.00	-22.43	0.00	22.43	2140.97	530.81	1329.56	1308.73	0.69	-0.11	0.024
66.00	-14.37	-0.49	0.00	-21.94	0.00	21.94	2133.39	527.89	1315.00	1296.86	0.71	-0.11	0.024
67.00	-14.26	-0.49	0.00	-21.45	0.00	21.45	2125.77	524.98	1300.52	1285.02	0.73	-0.11	0.023
68.00	-14.16	-0.49	0.00	-20.95	0.00	20.95	2118.10	522.06	1286.13	1273.21	0.75	-0.11	0.023
69.00	-14.05	-0.49	0.00	-20.46	0.00	20.46	2110.39	519.15	1271.81	1261.42	0.78	-0.11	0.023
70.00	-13.94	-0.49	0.00	-19.97	0.00	19.97	2102.63	516.24	1257.57	1249.65	0.80	-0.12	0.023
71.00	-13.84	-0.49	0.00	-19.47	0.00	19.47	2094.82	513.32	1243.42	1237.91	0.83	-0.12	0.022
72.00	-13.73	-0.49	0.00	-18.98	0.00	18.98	2086.97	510.41	1229.34	1226.19	0.85	-0.12	0.022
73.00	-13.63	-0.49	0.00	-18.49	0.00	18.49	2079.07	507.50	1215.35	1214.51	0.88	-0.12	0.022
74.00	-13.52	-0.49	0.00	-17.99	0.00	17.99	2071.12	504.58	1201.43	1202.84	0.90	-0.12	0.021
75.00	-13.42	-0.49	0.00	-17.50	0.00	17.50	2063.13	501.67	1187.59	1191.21	0.93	-0.13	0.021
76.00	-13.32	-0.49	0.00	-17.00	0.00	17.00	2055.10	498.75	1173.84	1179.60	0.96	-0.13	0.021
77.00	-13.21	-0.49	0.00	-16.51	0.00	16.51	2047.01	495.84	1160.16	1168.02	0.98	-0.13	0.021
78.00	-13.06	-0.49	0.00	-16.02	0.00	16.02	2038.89	492.93	1146.57	1156.47	1.01	-0.13	0.020
79.00	-12.90	-0.49	0.00	-15.52	0.00	15.52	2030.71	490.01	1133.05	1144.95	1.04	-0.13	0.020
80.00	-12.75	-0.49	0.00	-15.03	0.00	15.03	2022.49	487.10	1119.62	1133.46	1.06	-0.13	0.020
80.75	-12.63	-0.49	0.00	-14.66	0.00	14.66	959.89	296.25	690.22	547.79	1.09	-0.13	0.040
81.00	-12.61	-0.49	0.00	-14.53	0.00	14.53	959.45	295.81	688.19	546.73	1.09	-0.13	0.040
82.00	-12.55	-0.49	0.00	-14.04	0.00	14.04	957.66	294.06	680.08	542.46	1.12	-0.14	0.039
83.00	-12.48	-0.50	0.00	-13.54	0.00	13.54	955.82	292.31	672.01	538.18	1.15	-0.14	0.038
84.00	-12.42	-0.50	0.00	-13.05	0.00	13.05	953.93	290.56	664.00	533.88	1.18	-0.14	0.037
85.00	-12.35	-0.50	0.00	-12.55	0.00	12.55	952.00	288.82	656.03	529.57	1.21	-0.14	0.037
86.00	-12.29	-0.50	0.00	-12.06	0.00	12.06	950.03	287.07	648.11	525.25	1.24	-0.15	0.036
87.00	-12.23	-0.50	0.00	-11.56	0.00	11.56	948.00	285.32	640.24	520.92	1.27	-0.15	0.035
88.00	-12.16	-0.50	0.00	-11.07	0.00	11.07	945.93	283.57	632.42	516.58	1.30	-0.15	0.034
89.00	-12.10	-0.50	0.00	-10.57	0.00	10.57	943.82	281.82	624.65	512.22	1.33	-0.15	0.033
90.00	-12.04	-0.50	0.00	-10.07	0.00	10.07	941.66	280.07	616.92	507.86	1.37	-0.15	0.033
91.00	-11.97	-0.50	0.00	-9.58	0.00	9.58	939.45	278.33	609.24	503.48	1.40	-0.16	0.032
92.00	-11.91	-0.50	0.00	-9.08	0.00	9.08	937.20	276.58	601.61	499.09	1.43	-0.16	0.031
93.00	-11.85	-0.50	0.00	-8.58	0.00	8.58	934.90	274.83	594.03	494.70	1.47	-0.16	0.030
94.00	-11.79	-0.50	0.00	-8.08	0.00	8.08	932.55	273.08	586.50	490.30	1.50	-0.16	0.029
95.00	-11.73	-0.50	0.00	-7.58	0.00	7.58	930.16	271.33	579.01	485.89	1.53	-0.16	0.028
96.00	-11.66	-0.50	0.00	-7.09	0.00	7.09	927.72	269.58	571.57	481.47	1.57	-0.17	0.027
97.00	-11.60	-0.50	0.00	-6.59	0.00	6.59	925.24	267.84	564.18	477.04	1.60	-0.17	0.026
98.00	-11.54	-0.50	0.00	-6.09	0.00	6.09	922.71	266.09	556.84	472.61	1.64	-0.17	0.025
99.00	-8.33	-0.39	0.00	-5.59	0.00	5.59	920.13	264.34	549.55	468.17	1.67	-0.17	0.021

Calculated Forces

Structure: CT46133-A-SBA

Code: TIA-222-H

12/1/2022

Site Name: Shelton-north

Exposure: C

Height: 118.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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100.00	-8.28	-0.39	0.00	-5.21	0.00	5.21	917.51	262.59	542.30	463.72	1.71	-0.17	0.020
101.00	-8.22	-0.39	0.00	-4.82	0.00	4.82	914.84	260.84	535.11	459.27	1.75	-0.17	0.019
102.00	-8.16	-0.39	0.00	-4.43	0.00	4.43	912.12	259.09	527.96	454.82	1.78	-0.17	0.019
103.00	-8.10	-0.39	0.00	-4.05	0.00	4.05	909.36	257.35	520.86	450.36	1.82	-0.17	0.018
104.00	-8.05	-0.39	0.00	-3.66	0.00	3.66	906.56	255.60	513.80	445.90	1.86	-0.18	0.017
105.00	-7.99	-0.39	0.00	-3.27	0.00	3.27	903.70	253.85	506.80	441.43	1.89	-0.18	0.016
106.00	-7.94	-0.39	0.00	-2.89	0.00	2.89	900.80	252.10	499.84	436.96	1.93	-0.18	0.015
107.00	-7.88	-0.39	0.00	-2.50	0.00	2.50	897.86	250.35	492.93	432.49	1.97	-0.18	0.015
108.00	-4.18	-0.21	0.00	-2.11	0.00	2.11	894.87	248.60	486.07	428.01	2.00	-0.18	0.010
109.00	-4.13	-0.21	0.00	-1.90	0.00	1.90	891.83	246.86	479.26	423.53	2.04	-0.18	0.009
110.00	-4.08	-0.21	0.00	-1.69	0.00	1.69	888.75	245.11	472.50	419.06	2.08	-0.18	0.009
111.00	-4.03	-0.21	0.00	-1.48	0.00	1.48	885.62	243.36	465.78	414.58	2.12	-0.18	0.008
112.00	-3.98	-0.21	0.00	-1.27	0.00	1.27	882.44	241.61	459.11	410.10	2.16	-0.18	0.008
113.00	-3.93	-0.21	0.00	-1.06	0.00	1.06	879.22	239.86	452.49	405.62	2.19	-0.18	0.007
114.00	-3.89	-0.21	0.00	-0.84	0.00	0.84	875.95	238.11	445.92	401.14	2.23	-0.18	0.007
115.00	-3.84	-0.21	0.00	-0.63	0.00	0.63	872.64	236.37	439.39	396.67	2.27	-0.18	0.006
116.00	-3.79	-0.21	0.00	-0.42	0.00	0.42	869.28	234.62	432.92	392.19	2.31	-0.18	0.005
117.00	-3.74	-0.21	0.00	-0.21	0.00	0.21	865.87	232.87	426.49	387.72	2.35	-0.18	0.005
118.00	0.00	-0.20	0.00	0.00	0.00	0.00	862.42	231.12	420.11	383.25	2.38	-0.18	0.000

Wind Loading - Shaft

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

12/1/2022

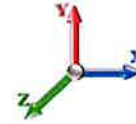
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Load Case: 1.0D + 1.0W 60 mph Wind

Iterations 27

Dead Load Factor 1.00
Wind Load Factor 1.00



Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00	RB1	1.00	0.85	6.517	7.17	191.07	0.850	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		1.00	0.85	6.517	7.17	190.29	0.850	0.000	1.00	3.484	2.96	21.2	0.0	164.4
2.00		1.00	0.85	6.517	7.17	189.51	0.850	0.000	1.00	3.470	2.95	21.1	0.0	163.7
3.00		1.00	0.85	6.517	7.17	188.73	0.850	0.000	1.00	3.456	2.94	21.1	0.0	163.0
4.00		1.00	0.85	6.517	7.17	187.95	0.850	0.000	1.00	3.442	2.93	21.0	0.0	162.4
5.00		1.00	0.85	6.517	7.17	187.17	0.850	0.000	1.00	3.427	2.91	20.9	0.0	161.7
6.00		1.00	0.85	6.517	7.17	186.39	0.850	0.000	1.00	3.413	2.90	20.8	0.0	161.0
6.50	RT1	1.00	0.85	6.517	7.17	186.00	0.850	0.000	0.50	1.701	1.45	10.4	0.0	80.3
7.00		1.00	0.85	6.517	7.17	185.61	0.850	0.000	0.50	1.698	1.44	10.3	0.0	80.1
8.00		1.00	0.85	6.517	7.17	184.84	0.850	0.000	1.00	3.385	2.88	20.6	0.0	159.7
9.00		1.00	0.85	6.517	7.17	184.06	0.850	0.000	1.00	3.370	2.86	20.5	0.0	159.0
10.00		1.00	0.85	6.517	7.17	183.28	0.850	0.000	1.00	3.356	2.85	20.4	0.0	158.3
11.00		1.00	0.85	6.517	7.17	182.50	0.850	0.000	1.00	3.342	2.84	20.4	0.0	157.6
12.00		1.00	0.85	6.517	7.17	181.72	0.850	0.000	1.00	3.328	2.83	20.3	0.0	156.9
13.00		1.00	0.85	6.517	7.17	180.94	0.850	0.000	1.00	3.314	2.82	20.2	0.0	156.3
14.00		1.00	0.85	6.517	7.17	180.16	0.850	0.000	1.00	3.299	2.80	20.1	0.0	155.6
15.00		1.00	0.85	6.517	7.17	179.38	0.850	0.000	1.00	3.285	2.79	20.0	0.0	154.9
16.00		1.00	0.86	6.597	7.26	179.70	0.850	0.000	1.00	3.271	2.78	20.2	0.0	154.2
17.00		1.00	0.87	6.682	7.35	180.06	0.850	0.000	1.00	3.257	2.77	20.3	0.0	153.6
18.00		1.00	0.88	6.763	7.44	180.36	0.850	0.000	1.00	3.242	2.76	20.5	0.0	152.9
19.00		1.00	0.89	6.840	7.52	180.59	0.850	0.000	1.00	3.228	2.74	20.6	0.0	152.2
20.00		1.00	0.90	6.914	7.61	180.76	0.850	0.000	1.00	3.214	2.73	20.8	0.0	151.5
21.00		1.00	0.91	6.986	7.68	180.89	0.850	0.000	1.00	3.200	2.72	20.9	0.0	150.8
22.00		1.00	0.92	7.054	7.76	180.97	0.850	0.000	1.00	3.185	2.71	21.0	0.0	150.2
23.00		1.00	0.93	7.121	7.83	181.00	0.850	0.000	1.00	3.171	2.70	21.1	0.0	149.5
24.00		1.00	0.94	7.185	7.90	180.99	0.850	0.000	1.00	3.157	2.68	21.2	0.0	148.8
25.00		1.00	0.95	7.247	7.97	180.95	0.850	0.000	1.00	3.143	2.67	21.3	0.0	148.1
26.00		1.00	0.95	7.307	8.04	180.88	0.850	0.000	1.00	3.128	2.66	21.4	0.0	147.5
27.00		1.00	0.96	7.365	8.10	180.77	0.850	0.000	1.00	3.114	2.65	21.4	0.0	146.8
28.00		1.00	0.97	7.422	8.16	180.63	0.850	0.000	1.00	3.100	2.64	21.5	0.0	146.1
29.00		1.00	0.98	7.477	8.22	180.46	0.850	0.000	1.00	3.086	2.62	21.6	0.0	145.4
30.00		1.00	0.98	7.530	8.28	180.27	0.850	0.000	1.00	3.072	2.61	21.6	0.0	144.7
31.00		1.00	0.99	7.583	8.34	180.05	0.850	0.000	1.00	3.057	2.60	21.7	0.0	144.1
32.00		1.00	1.00	7.633	8.40	179.81	0.850	0.000	1.00	3.043	2.59	21.7	0.0	143.4
33.00		1.00	1.00	7.683	8.45	179.55	0.850	0.000	1.00	3.029	2.57	21.8	0.0	142.7
34.00		1.00	1.01	7.731	8.50	179.27	0.850	0.000	1.00	3.015	2.56	21.8	0.0	142.0
35.00		1.00	1.01	7.779	8.56	178.97	0.850	0.000	1.00	3.000	2.55	21.8	0.0	141.4
36.00		1.00	1.02	7.825	8.61	178.64	0.850	0.000	1.00	2.986	2.54	21.8	0.0	140.7
37.00		1.00	1.03	7.870	8.66	178.30	0.850	0.000	1.00	2.972	2.53	21.9	0.0	140.0
38.00		1.00	1.03	7.915	8.71	177.95	0.850	0.000	1.00	2.958	2.51	21.9	0.0	139.3
39.00		1.00	1.04	7.958	8.75	177.57	0.850	0.000	1.00	2.943	2.50	21.9	0.0	138.6
40.00		1.00	1.04	8.001	8.80	177.18	0.850	0.000	1.00	2.929	2.49	21.9	0.0	138.0
40.75	Bot - Section 2	1.00	1.05	8.032	8.84	176.88	0.850	0.000	0.75	2.188	1.86	16.4	0.0	103.0
41.00		1.00	1.05	8.042	8.85	176.78	0.850	0.000	0.25	0.741	0.63	5.6	0.0	63.4
42.00		1.00	1.05	8.083	8.89	176.36	0.850	0.000	1.00	2.955	2.51	22.3	0.0	252.8
43.00		1.00	1.06	8.123	8.94	175.93	0.850	0.000	1.00	2.940	2.50	22.3	0.0	251.6
44.00		1.00	1.06	8.163	8.98	175.48	0.850	0.000	1.00	2.926	2.49	22.3	0.0	250.3

Wind Loading - Shaft

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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45.00 Top - Section 1	1.00	1.07	8.201	9.02	175.02	0.850	0.000	1.00	2.912	2.48	22.3	0.0	249.1
46.00	1.00	1.07	8.239	9.06	177.87	0.850	0.000	1.00	2.898	2.46	22.3	0.0	113.9
47.00	1.00	1.08	8.277	9.10	177.40	0.850	0.000	1.00	2.883	2.45	22.3	0.0	113.4
48.00	1.00	1.08	8.314	9.15	176.91	0.850	0.000	1.00	2.869	2.44	22.3	0.0	112.8
49.00	1.00	1.09	8.350	9.18	176.41	0.850	0.000	1.00	2.855	2.43	22.3	0.0	112.2
50.00	1.00	1.09	8.385	9.22	175.90	0.850	0.000	1.00	2.841	2.41	22.3	0.0	111.7
51.00	1.00	1.10	8.420	9.26	175.39	0.850	0.000	1.00	2.827	2.40	22.3	0.0	111.1
52.00	1.00	1.10	8.455	9.30	174.86	0.850	0.000	1.00	2.812	2.39	22.2	0.0	110.5
53.00	1.00	1.11	8.489	9.34	174.32	0.850	0.000	1.00	2.798	2.38	22.2	0.0	110.0
54.00	1.00	1.11	8.522	9.37	173.77	0.850	0.000	1.00	2.784	2.37	22.2	0.0	109.4
55.00	1.00	1.12	8.555	9.41	173.22	0.850	0.000	1.00	2.770	2.35	22.2	0.0	108.9
56.00	1.00	1.12	8.588	9.45	172.65	0.850	0.000	1.00	2.755	2.34	22.1	0.0	108.3
57.00	1.00	1.12	8.620	9.48	172.08	0.850	0.000	1.00	2.741	2.33	22.1	0.0	107.7
58.00	1.00	1.13	8.652	9.52	171.49	0.850	0.000	1.00	2.727	2.32	22.1	0.0	107.2
59.00	1.00	1.13	8.683	9.55	170.90	0.850	0.000	1.00	2.713	2.31	22.0	0.0	106.6
60.00	1.00	1.14	8.714	9.58	170.31	0.850	0.000	1.00	2.698	2.29	22.0	0.0	106.0
61.00	1.00	1.14	8.744	9.62	169.70	0.850	0.000	1.00	2.684	2.28	21.9	0.0	105.5
62.00	1.00	1.14	8.774	9.65	169.09	0.850	0.000	1.00	2.670	2.27	21.9	0.0	104.9
63.00	1.00	1.15	8.803	9.68	168.47	0.850	0.000	1.00	2.656	2.26	21.9	0.0	104.3
64.00	1.00	1.15	8.833	9.72	167.84	0.850	0.000	1.00	2.641	2.25	21.8	0.0	103.8
65.00	1.00	1.16	8.862	9.75	167.20	0.850	0.000	1.00	2.627	2.23	21.8	0.0	103.2
66.00	1.00	1.16	8.890	9.78	166.56	0.850	0.000	1.00	2.613	2.22	21.7	0.0	102.6
67.00	1.00	1.16	8.918	9.81	165.92	0.850	0.000	1.00	2.599	2.21	21.7	0.0	102.1
68.00	1.00	1.17	8.946	9.84	165.26	0.850	0.000	1.00	2.585	2.20	21.6	0.0	101.5
69.00	1.00	1.17	8.974	9.87	164.60	0.850	0.000	1.00	2.570	2.18	21.6	0.0	100.9
70.00	1.00	1.17	9.001	9.90	163.94	0.850	0.000	1.00	2.556	2.17	21.5	0.0	100.4
71.00	1.00	1.18	9.028	9.93	163.26	0.850	0.000	1.00	2.542	2.16	21.5	0.0	99.8
72.00	1.00	1.18	9.054	9.96	162.59	0.850	0.000	1.00	2.528	2.15	21.4	0.0	99.2
73.00	1.00	1.18	9.081	9.99	161.90	0.850	0.000	1.00	2.513	2.14	21.3	0.0	98.7
74.00	1.00	1.19	9.107	10.02	161.21	0.850	0.000	1.00	2.499	2.12	21.3	0.0	98.1
75.00	1.00	1.19	9.133	10.05	160.52	0.850	0.000	1.00	2.485	2.11	21.2	0.0	97.6
76.00	1.00	1.19	9.158	10.07	159.82	0.850	0.000	1.00	2.471	2.10	21.2	0.0	97.0
77.00 Bot - Section 3	1.00	1.20	9.183	10.10	159.12	0.850	0.000	1.00	2.456	2.09	21.1	0.0	96.4
78.00	1.00	1.20	9.208	10.13	158.41	0.850	0.000	1.00	2.442	2.08	21.0	0.0	154.4
79.00	1.00	1.20	9.233	10.16	157.69	0.850	0.000	1.00	2.427	2.07	21.0	0.0	153.5
80.00	1.00	1.21	9.258	10.18	156.97	0.850	0.000	1.00	2.412	2.06	21.0	0.0	152.6
80.75 Top - Section 2	1.00	1.21	9.276	10.20	156.43	0.850	0.000	0.75	1.825	1.55	15.8	0.0	113.8
81.00	1.00	1.21	9.282	10.21	158.36	0.850	0.000	0.25	0.607	0.52	5.3	0.0	14.3
82.00	1.00	1.21	9.306	10.24	157.63	0.850	0.000	1.00	2.418	2.05	21.0	0.0	57.2
83.00	1.00	1.22	9.330	10.26	156.90	0.850	0.000	1.00	2.403	2.04	21.0	0.0	56.8
84.00	1.00	1.22	9.353	10.29	156.17	0.850	0.000	1.00	2.389	2.03	20.9	0.0	56.5
85.00	1.00	1.22	9.376	10.31	155.43	0.850	0.000	1.00	2.375	2.02	20.8	0.0	56.2
86.00	1.00	1.23	9.400	10.34	154.68	0.850	0.000	1.00	2.361	2.01	20.7	0.0	55.8
87.00	1.00	1.23	9.422	10.36	153.94	0.850	0.000	1.00	2.346	1.99	20.7	0.0	55.5
88.00	1.00	1.23	9.445	10.39	153.18	0.850	0.000	1.00	2.332	1.98	20.6	0.0	55.2
89.00	1.00	1.23	9.468	10.41	152.43	0.850	0.000	1.00	2.318	1.97	20.5	0.0	54.8
90.00	1.00	1.24	9.490	10.44	151.67	0.850	0.000	1.00	2.304	1.96	20.4	0.0	54.5
91.00	1.00	1.24	9.512	10.46	150.90	0.850	0.000	1.00	2.289	1.95	20.4	0.0	54.1
92.00	1.00	1.24	9.534	10.49	150.13	0.850	0.000	1.00	2.275	1.93	20.3	0.0	53.8
93.00	1.00	1.25	9.556	10.51	149.36	0.850	0.000	1.00	2.261	1.92	20.2	0.0	53.5
94.00	1.00	1.25	9.577	10.53	148.58	0.850	0.000	1.00	2.247	1.91	20.1	0.0	53.1
95.00	1.00	1.25	9.599	10.56	147.80	0.850	0.000	1.00	2.233	1.90	20.0	0.0	52.8
96.00	1.00	1.25	9.620	10.58	147.02	0.850	0.000	1.00	2.218	1.89	20.0	0.0	52.4
97.00	1.00	1.26	9.641	10.60	146.23	0.850	0.000	1.00	2.204	1.87	19.9	0.0	52.1
98.00	1.00	1.26	9.662	10.63	145.44	0.850	0.000	1.00	2.190	1.86	19.8	0.0	51.8
99.00 Appurtenance(s)	1.00	1.26	9.682	10.65	144.65	0.850	0.000	1.00	2.176	1.85	19.7	0.0	51.4
100.00	1.00	1.27	9.703	10.67	143.85	0.850	0.000	1.00	2.161	1.84	19.6	0.0	51.1

Wind Loading - Shaft

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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101.00	1.00	1.27	9.723	10.70	143.05	0.850	0.000	1.00	2.147	1.83	19.5	0.0	50.7
102.00	1.00	1.27	9.743	10.72	142.25	0.850	0.000	1.00	2.133	1.81	19.4	0.0	50.4
103.00	1.00	1.27	9.763	10.74	141.44	0.850	0.000	1.00	2.119	1.80	19.3	0.0	50.1
104.00	1.00	1.28	9.783	10.76	140.63	0.850	0.000	1.00	2.104	1.79	19.2	0.0	49.7
105.00	1.00	1.28	9.803	10.78	139.81	0.850	0.000	1.00	2.090	1.78	19.2	0.0	49.4
106.00	1.00	1.28	9.823	10.80	139.00	0.850	0.000	1.00	2.076	1.76	19.1	0.0	49.0
107.00	1.00	1.28	9.842	10.83	138.18	0.850	0.000	1.00	2.062	1.75	19.0	0.0	48.7
108.00 Appurtenance(s)	1.00	1.29	9.861	10.85	137.35	0.850	0.000	1.00	2.047	1.74	18.9	0.0	48.4
109.00	1.00	1.29	9.880	10.87	136.53	0.850	0.000	1.00	2.033	1.73	18.8	0.0	48.0
110.00	1.00	1.29	9.899	10.89	135.70	0.850	0.000	1.00	2.019	1.72	18.7	0.0	47.7
111.00	1.00	1.29	9.918	10.91	134.87	0.850	0.000	1.00	2.005	1.70	18.6	0.0	47.4
112.00	1.00	1.30	9.937	10.93	134.03	0.850	0.000	1.00	1.991	1.69	18.5	0.0	47.0
113.00	1.00	1.30	9.956	10.95	133.20	0.850	0.000	1.00	1.976	1.68	18.4	0.0	46.7
114.00	1.00	1.30	9.974	10.97	132.36	0.850	0.000	1.00	1.962	1.67	18.3	0.0	46.3
115.00	1.00	1.30	9.993	10.99	131.51	0.850	0.000	1.00	1.948	1.66	18.2	0.0	46.0
116.00	1.00	1.31	10.011	11.01	130.67	0.850	0.000	1.00	1.934	1.64	18.1	0.0	45.7
117.00	1.00	1.31	10.029	11.03	129.82	0.850	0.000	1.00	1.919	1.63	18.0	0.0	45.3
118.00 Appurtenance(s)	1.00	1.31	10.047	11.05	128.97	0.850	0.000	1.00	1.905	1.62	17.9	0.0	45.0
Totals:								118.00	2,462.0	13,062.1			

Discrete Appurtenance Forces

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

12/1/2022

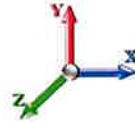
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Topography: 1

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00
Wind Load Factor 1.00



Iterations 27

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	118.00	MS-H1436 (Heavy Collar)	1	10.047	11.052	1.00	1.00	2.25	136.70	0.000	0.000	24.87	0.00	0.00
2	118.00	AIR6449 B41	3	10.047	11.052	0.53	0.75	9.03	309.00	0.000	0.000	99.75	0.00	0.00
3	118.00	RRUS 4415 B25	3	10.047	11.052	0.38	0.75	1.84	138.00	0.000	0.000	20.39	0.00	0.00
4	118.00	4449 B71 + B85	3	10.047	11.052	0.38	0.75	2.22	219.60	0.000	0.000	24.49	0.00	0.00
5	118.00	Kickers and Braces	1	10.047	11.052	1.00	1.00	7.00	146.00	0.000	0.000	77.36	0.00	0.00
6	118.00	ALU - External Notch	3	10.083	11.091	0.38	0.75	0.88	26.40	0.000	2.000	9.73	0.00	19.46
7	118.00	APXVAALL24_43-U-NA20	3	10.047	11.052	0.52	0.75	31.88	384.00	0.000	0.000	352.30	0.00	0.00
8	118.00	800 MHz RRH	3	10.083	11.091	0.38	0.75	2.80	159.00	0.000	2.000	31.07	0.00	62.14
9	118.00	ACU-A20-N	4	10.083	11.091	0.38	0.75	0.21	4.00	0.000	2.000	2.33	0.00	4.66
10	118.00	KRD 9011461-B66A-B2A	3	10.047	11.052	0.65	0.75	12.74	396.60	0.000	0.000	140.83	0.00	0.00
11	118.00	Platform w/ Hand Rails	1	10.047	11.052	1.00	1.00	39.00	2000.00	0.000	0.000	431.01	0.00	0.00
12	108.00	Raycap DC6-48-60-18-8F	3	9.861	10.847	0.38	0.75	1.04	98.40	0.000	0.000	11.23	0.00	0.00
13	108.00	ERICSSON RRUS 4449	3	9.861	10.847	0.38	0.75	2.22	219.00	0.000	0.000	24.04	0.00	0.00
14	108.00	Ericsson RRUS 8843 B2	3	9.861	10.847	0.38	0.75	1.84	216.00	0.000	0.000	20.01	0.00	0.00
15	108.00	Ericsson RRUS 4478 B14	3	9.861	10.847	0.38	0.75	1.86	178.20	0.000	0.000	20.14	0.00	0.00
16	108.00	Cci TPA65R-BU6DA-K	3	9.861	10.847	0.54	0.75	20.85	207.00	0.000	0.000	226.16	0.00	0.00
17	108.00	Ericsson AIR6419 B77G	3	9.861	10.847	0.57	0.75	6.50	198.30	0.000	0.000	70.49	0.00	0.00
18	108.00	Ericsson AIR6449 B77D	3	9.861	10.847	0.64	0.75	7.90	264.00	0.000	0.000	85.68	0.00	0.00
19	108.00	Platform + HR & V-Brace	1	9.861	10.847	1.00	1.00	48.00	2246.00	0.000	0.000	520.68	0.00	0.00
20	108.00	Cci DMP65R-BU6DA	3	9.861	10.847	0.54	0.75	20.59	238.20	0.000	0.000	223.35	0.00	0.00
21	99.00	Samsung RF4439d-25A -	3	9.723	10.696	0.38	0.75	2.11	224.10	0.000	2.000	22.62	0.00	45.24
22	99.00	JMA MX06FRO660-03	3	9.682	10.651	0.65	0.75	19.32	180.00	0.000	0.000	205.77	0.00	0.00
23	99.00	JMA MX06FRO660-03	3	9.682	10.651	0.65	0.75	19.32	180.00	0.000	0.000	205.77	0.00	0.00
24	99.00	Samsung MT6407-77A	3	9.682	10.651	0.52	0.75	7.39	261.30	0.000	0.000	78.67	0.00	0.00
25	99.00	Low Profile Platform	1	9.682	10.651	1.00	1.00	30.00	1602.00	0.000	0.000	319.52	0.00	0.00
26	99.00	Samsung RF4440d-13A -	3	9.723	10.696	0.38	0.75	2.11	210.99	0.000	2.000	22.62	0.00	45.24
27	99.00	RFS DB-T1-6Z-8AB-0Z -	2	9.682	10.651	0.38	0.75	3.60	88.00	0.000	0.000	38.34	0.00	0.00
28	99.00	Support Rail Kit - Mods	1	9.682	10.651	1.00	1.00	10.30	593.00	0.000	0.000	109.70	0.00	0.00
Totals:								11,123.79				3,418.94		

Total Applied Force Summary

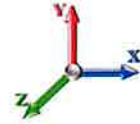
Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00
Wind Load Factor 1.00



Iterations 27

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
1.00		24.81	176.70	0.00	0.00
2.00		24.73	176.02	0.00	0.00
3.00		24.64	175.34	0.00	0.00
4.00		24.55	174.66	0.00	0.00
5.00		24.47	173.98	0.00	0.00
6.00		24.38	173.31	0.00	0.00
6.50		12.16	86.40	0.00	0.00
7.00		12.14	86.23	0.00	0.00
8.00		24.21	171.95	0.00	0.00
9.00		24.12	171.27	0.00	0.00
10.00		21.35	170.59	0.00	0.00
11.00		20.36	169.92	0.00	0.00
12.00		20.28	169.24	0.00	0.00
13.00		20.19	168.56	0.00	0.00
14.00		20.10	167.88	0.00	0.00
15.00		20.02	167.20	0.00	0.00
16.00		20.18	166.53	0.00	0.00
17.00		20.35	165.85	0.00	0.00
18.00		20.50	165.17	0.00	0.00
19.00		20.65	164.49	0.00	0.00
20.00		20.78	163.81	0.00	0.00
21.00		20.90	163.14	0.00	0.00
22.00		21.01	162.46	0.00	0.00
23.00		21.11	161.78	0.00	0.00
24.00		21.21	161.10	0.00	0.00
25.00		21.29	160.42	0.00	0.00
26.00		21.37	159.75	0.00	0.00
27.00		21.45	159.07	0.00	0.00
28.00		21.51	158.39	0.00	0.00
29.00		21.57	157.71	0.00	0.00
30.00		21.63	157.03	0.00	0.00
31.00		21.68	156.36	0.00	0.00
32.00		21.72	155.68	0.00	0.00
33.00		21.76	155.00	0.00	0.00
34.00		21.79	154.32	0.00	0.00
35.00		21.82	153.64	0.00	0.00
36.00		21.85	152.97	0.00	0.00
37.00		21.87	152.29	0.00	0.00
38.00		21.89	151.61	0.00	0.00
39.00		21.90	150.93	0.00	0.00
40.00		21.91	150.26	0.00	0.00
40.75		16.43	112.25	0.00	0.00
41.00		5.57	66.47	0.00	0.00
42.00		22.33	265.09	0.00	0.00
43.00		22.33	263.85	0.00	0.00
44.00		22.33	262.61	0.00	0.00

Total Applied Force Summary

Structure: CT46133-A-SBA

Code: TIA-222-H

12/1/2022

Site Name: Shelton-north

Exposure: C

Height: 118.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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45.00	22.33	261.37	0.00	0.00	
46.00	22.32	126.23	0.00	0.00	
47.00	22.31	125.66	0.00	0.00	
48.00	22.30	125.10	0.00	0.00	
49.00	22.29	124.53	0.00	0.00	
50.00	22.27	123.97	0.00	0.00	
51.00	22.25	123.40	0.00	0.00	
52.00	22.23	122.84	0.00	0.00	
53.00	22.21	122.27	0.00	0.00	
54.00	22.18	121.71	0.00	0.00	
55.00	22.15	121.14	0.00	0.00	
56.00	22.12	120.58	0.00	0.00	
57.00	22.09	120.01	0.00	0.00	
58.00	22.06	119.45	0.00	0.00	
59.00	22.02	118.88	0.00	0.00	
60.00	21.98	118.32	0.00	0.00	
61.00	21.94	117.75	0.00	0.00	
62.00	21.90	117.19	0.00	0.00	
63.00	21.86	116.62	0.00	0.00	
64.00	21.81	116.06	0.00	0.00	
65.00	21.77	115.49	0.00	0.00	
66.00	21.72	114.93	0.00	0.00	
67.00	21.67	114.36	0.00	0.00	
68.00	21.62	113.80	0.00	0.00	
69.00	21.57	113.23	0.00	0.00	
70.00	21.51	112.67	0.00	0.00	
71.00	21.46	112.10	0.00	0.00	
72.00	21.40	111.54	0.00	0.00	
73.00	21.34	110.97	0.00	0.00	
74.00	21.28	110.41	0.00	0.00	
75.00	21.22	109.84	0.00	0.00	
76.00	21.16	109.28	0.00	0.00	
77.00	21.09	108.71	0.00	0.00	
78.00	21.31	166.69	0.00	0.00	
79.00	21.24	165.78	0.00	0.00	
80.00	21.17	164.88	0.00	0.00	
80.75	15.83	123.07	0.00	0.00	
81.00	5.26	17.42	0.00	0.00	
82.00	21.04	69.47	0.00	0.00	
83.00	20.96	69.14	0.00	0.00	
84.00	20.89	68.80	0.00	0.00	
85.00	20.82	68.46	0.00	0.00	
86.00	20.75	68.12	0.00	0.00	
87.00	20.67	67.78	0.00	0.00	
88.00	20.60	67.44	0.00	0.00	
89.00	20.52	67.10	0.00	0.00	
90.00	20.44	66.76	0.00	0.00	
91.00	20.36	66.42	0.00	0.00	
92.00	20.28	66.09	0.00	0.00	
93.00	20.20	65.75	0.00	0.00	
94.00	20.12	65.41	0.00	0.00	
95.00	20.04	65.07	0.00	0.00	
96.00	19.95	64.73	0.00	0.00	
97.00	19.87	64.39	0.00	0.00	
98.00	19.78	64.05	0.00	0.00	
99.00	(19) attachments	1022.72	3403.10	0.00	90.48
100.00		19.61	61.17	0.00	0.00

Total Applied Force Summary

Structure: CT46133-A-SBA	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Page: 61
	Struct Class: II	



101.00		19.52	60.83	0.00	0.00
102.00		19.43	60.50	0.00	0.00
103.00		19.34	60.16	0.00	0.00
104.00		19.25	59.82	0.00	0.00
105.00		19.16	59.48	0.00	0.00
106.00		19.07	59.14	0.00	0.00
107.00		18.97	58.80	0.00	0.00
108.00	(25) attachments	1220.65	3923.56	0.00	0.00
109.00		18.78	52.86	0.00	0.00
110.00		18.69	52.52	0.00	0.00
111.00		18.59	52.18	0.00	0.00
112.00		18.49	51.85	0.00	0.00
113.00		18.40	51.51	0.00	0.00
114.00		18.30	51.17	0.00	0.00
115.00		18.20	50.83	0.00	0.00
116.00		18.10	50.49	0.00	0.00
117.00		18.00	50.15	0.00	0.00
118.00	(28) attachments	1232.03	3969.11	0.00	86.26
	Totals:	5,914.04	25,541.66	0.00	176.74

Linear Appurtenance Segment Forces (Factored)

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

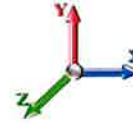
12/1/2022

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Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00
Wind Load Factor 1.00



Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
1.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	6.517	3.58	0.00
2.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	6.517	3.58	0.00
3.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	6.517	3.58	0.00
4.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	6.517	3.58	0.00
5.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	6.517	3.58	0.00
6.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	6.517	3.58	0.00
6.50	1.5" Reinforcing Plate	Yes	0.50	2.000	3.00	0.13	0.25	0.000	0.000	6.517	1.79	0.00
7.00	1.5" Reinforcing Plate	Yes	0.50	2.000	3.00	0.13	0.25	0.000	0.000	6.517	1.79	0.00
8.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	6.517	3.58	0.00
9.00	1.5" Reinforcing Plate	Yes	1.00	2.000	3.00	0.25	0.50	0.000	0.000	6.517	3.58	0.00
10.00	1.5" Reinforcing Plate	Yes	0.25	2.000	3.00	0.06	0.13	0.000	0.000	6.517	0.90	0.00
Totals:											33.2	0.0

Calculated Forces

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

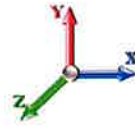
Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

12/1/2022
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Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00
Wind Load Factor 1.00



Iterations 27

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-25.54	-5.91	0.00	-539.41	0.00	539.41	3290.40	849.68	2838.99	2685.80	0.00	0.000	0.000	0.147
1.00	-25.36	-5.89	0.00	-533.50	0.00	533.50	3282.44	846.18	2815.67	2668.18	0.00	-0.011	0.000	0.146
2.00	-25.19	-5.87	0.00	-527.60	0.00	527.60	3274.43	842.68	2792.45	2650.57	0.00	-0.022	0.000	0.146
3.00	-25.01	-5.85	0.00	-521.73	0.00	521.73	3266.38	839.19	2769.32	2632.98	0.01	-0.033	0.000	0.145
4.00	-24.83	-5.83	0.00	-515.88	0.00	515.88	3258.28	835.69	2746.29	2615.40	0.02	-0.044	0.000	0.144
5.00	-24.66	-5.81	0.00	-510.04	0.00	510.04	3250.13	832.20	2723.36	2597.84	0.03	-0.055	0.000	0.143
6.00	-24.48	-5.79	0.00	-504.23	0.00	504.23	3241.94	828.70	2700.52	2580.31	0.04	-0.065	0.000	0.142
6.50	-24.40	-5.78	0.00	-501.33	0.00	501.33	3237.83	826.95	2689.14	2571.54	0.05	-0.071	0.000	0.142
7.00	-24.31	-5.77	0.00	-498.44	0.00	498.44	3233.71	825.20	2677.78	2562.79	0.06	-0.076	0.000	0.202
8.00	-24.14	-5.76	0.00	-492.67	0.00	492.67	3225.42	821.71	2655.14	2545.29	0.07	-0.092	0.000	0.201
9.00	-23.96	-5.74	0.00	-486.91	0.00	486.91	3217.09	818.21	2632.59	2527.81	0.10	-0.107	0.000	0.200
10.00	-23.79	-5.72	0.00	-481.17	0.00	481.17	3208.72	814.71	2610.13	2510.35	0.12	-0.123	0.000	0.199
11.00	-23.62	-5.71	0.00	-475.45	0.00	475.45	3200.29	811.22	2587.78	2492.91	0.15	-0.138	0.000	0.198
12.00	-23.45	-5.69	0.00	-469.74	0.00	469.74	3191.83	807.72	2565.52	2475.49	0.18	-0.154	0.000	0.197
13.00	-23.28	-5.68	0.00	-464.05	0.00	464.05	3183.31	804.22	2543.35	2458.10	0.21	-0.170	0.000	0.196
14.00	-23.11	-5.67	0.00	-458.37	0.00	458.37	3174.75	800.73	2521.28	2440.72	0.25	-0.185	0.000	0.195
15.00	-22.94	-5.65	0.00	-452.70	0.00	452.70	3166.15	797.23	2499.31	2423.37	0.29	-0.201	0.000	0.194
16.00	-22.77	-5.64	0.00	-447.05	0.00	447.05	3157.49	793.73	2477.44	2406.05	0.33	-0.216	0.000	0.193
17.00	-22.61	-5.62	0.00	-441.41	0.00	441.41	3148.79	790.24	2455.66	2388.74	0.38	-0.232	0.000	0.192
18.00	-22.44	-5.61	0.00	-435.79	0.00	435.79	3140.05	786.74	2433.97	2371.46	0.43	-0.248	0.000	0.191
19.00	-22.27	-5.59	0.00	-430.18	0.00	430.18	3131.26	783.24	2412.39	2354.21	0.48	-0.263	0.000	0.190
20.00	-22.11	-5.58	0.00	-424.59	0.00	424.59	3122.42	779.75	2390.90	2336.98	0.54	-0.279	0.000	0.189
21.00	-21.94	-5.56	0.00	-419.01	0.00	419.01	3113.54	776.25	2369.50	2319.78	0.60	-0.294	0.000	0.188
22.00	-21.78	-5.54	0.00	-413.45	0.00	413.45	3104.61	772.75	2348.20	2302.60	0.66	-0.310	0.000	0.187
23.00	-21.62	-5.53	0.00	-407.91	0.00	407.91	3095.63	769.26	2327.00	2285.45	0.73	-0.326	0.000	0.186
24.00	-21.45	-5.51	0.00	-402.38	0.00	402.38	3086.61	765.76	2305.89	2268.32	0.80	-0.341	0.000	0.184
25.00	-21.29	-5.50	0.00	-396.87	0.00	396.87	3077.54	762.26	2284.88	2251.23	0.87	-0.357	0.000	0.183
26.00	-21.13	-5.48	0.00	-391.37	0.00	391.37	3068.43	758.77	2263.97	2234.16	0.95	-0.373	0.000	0.182
27.00	-20.97	-5.46	0.00	-385.89	0.00	385.89	3059.27	755.27	2243.15	2217.12	1.03	-0.388	0.000	0.181
28.00	-20.81	-5.45	0.00	-380.43	0.00	380.43	3050.06	751.77	2222.43	2200.10	1.11	-0.404	0.000	0.180
29.00	-20.65	-5.43	0.00	-374.99	0.00	374.99	3040.81	748.28	2201.80	2183.12	1.20	-0.419	0.000	0.179
30.00	-20.49	-5.41	0.00	-369.56	0.00	369.56	3031.51	744.78	2181.27	2166.17	1.29	-0.435	0.000	0.177
31.00	-20.34	-5.39	0.00	-364.15	0.00	364.15	3022.17	741.28	2160.84	2149.25	1.38	-0.451	0.000	0.176
32.00	-20.18	-5.38	0.00	-358.75	0.00	358.75	3012.78	737.79	2140.50	2132.35	1.48	-0.466	0.000	0.175
33.00	-20.02	-5.36	0.00	-353.38	0.00	353.38	3003.34	734.29	2120.26	2115.49	1.58	-0.482	0.000	0.174
34.00	-19.87	-5.34	0.00	-348.02	0.00	348.02	2993.86	730.79	2100.12	2098.66	1.68	-0.497	0.000	0.173
35.00	-19.71	-5.32	0.00	-342.68	0.00	342.68	2984.33	727.30	2080.07	2081.87	1.79	-0.513	0.000	0.171
36.00	-19.56	-5.31	0.00	-337.35	0.00	337.35	2974.76	723.80	2060.12	2065.10	1.90	-0.529	0.000	0.170
37.00	-19.41	-5.29	0.00	-332.05	0.00	332.05	2965.14	720.30	2040.26	2048.37	2.01	-0.544	0.000	0.169
38.00	-19.25	-5.27	0.00	-326.76	0.00	326.76	2955.47	716.81	2020.50	2031.68	2.12	-0.559	0.000	0.167
39.00	-19.10	-5.25	0.00	-321.49	0.00	321.49	2945.76	713.31	2000.83	2015.01	2.24	-0.575	0.000	0.166
40.00	-18.95	-5.23	0.00	-316.24	0.00	316.24	2936.00	709.81	1981.27	1998.38	2.37	-0.590	0.000	0.165
40.75	-18.84	-5.22	0.00	-312.32	0.00	312.32	2928.65	707.19	1966.65	1985.93	2.46	-0.602	0.000	0.164
41.00	-18.77	-5.21	0.00	-311.01	0.00	311.01	2926.19	706.32	1961.80	1981.79	2.49	-0.606	0.000	0.163
42.00	-18.50	-5.19	0.00	-305.80	0.00	305.80	2916.34	702.82	1942.42	1965.23	2.62	-0.621	0.000	0.162
43.00	-18.24	-5.17	0.00	-300.60	0.00	300.60	2906.44	699.32	1923.14	1948.71	2.75	-0.637	0.000	0.161
44.00	-17.97	-5.15	0.00	-295.43	0.00	295.43	2896.50	695.83	1903.96	1932.22	2.89	-0.652	0.000	0.159

Calculated Forces

Structure: CT46133-A-SBA

Code: TIA-222-H

12/1/2022

Site Name: Shelton-north

Exposure: C



Height: 118.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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Tower Engineering Solutions

45.00	-17.71	-5.13	0.00	-290.28	0.00	290.28	2282.79	589.08	1637.53	1550.20	3.02	-0.667	0.000	0.195
46.00	-17.58	-5.11	0.00	-285.15	0.00	285.15	2276.14	586.17	1621.37	1537.97	3.17	-0.682	0.000	0.193
47.00	-17.46	-5.09	0.00	-280.03	0.00	280.03	2269.44	583.26	1605.29	1525.75	3.31	-0.699	0.000	0.191
48.00	-17.33	-5.08	0.00	-274.94	0.00	274.94	2262.69	580.34	1589.29	1513.54	3.46	-0.717	0.000	0.189
49.00	-17.21	-5.06	0.00	-269.86	0.00	269.86	2255.90	577.43	1573.37	1501.35	3.61	-0.734	0.000	0.187
50.00	-17.08	-5.04	0.00	-264.80	0.00	264.80	2249.07	574.51	1557.53	1489.18	3.77	-0.750	0.000	0.185
51.00	-16.96	-5.02	0.00	-259.77	0.00	259.77	2242.18	571.60	1541.77	1477.02	3.93	-0.767	0.000	0.184
52.00	-16.83	-5.00	0.00	-254.75	0.00	254.75	2235.25	568.69	1526.09	1464.87	4.09	-0.784	0.000	0.182
53.00	-16.71	-4.98	0.00	-249.75	0.00	249.75	2228.28	565.77	1510.49	1452.75	4.25	-0.801	0.000	0.179
54.00	-16.59	-4.96	0.00	-244.76	0.00	244.76	2221.25	562.86	1494.98	1440.64	4.42	-0.818	0.000	0.177
55.00	-16.46	-4.94	0.00	-239.80	0.00	239.80	2214.18	559.94	1479.54	1428.55	4.60	-0.834	0.000	0.175
56.00	-16.34	-4.92	0.00	-234.86	0.00	234.86	2207.07	557.03	1464.18	1416.48	4.77	-0.851	0.000	0.173
57.00	-16.22	-4.91	0.00	-229.93	0.00	229.93	2199.91	554.12	1448.90	1404.42	4.95	-0.867	0.000	0.171
58.00	-16.10	-4.89	0.00	-225.03	0.00	225.03	2192.70	551.20	1433.70	1392.39	5.14	-0.883	0.000	0.169
59.00	-15.98	-4.87	0.00	-220.14	0.00	220.14	2185.45	548.29	1418.58	1380.37	5.32	-0.900	0.000	0.167
60.00	-15.86	-4.85	0.00	-215.28	0.00	215.28	2178.15	545.38	1403.55	1368.38	5.51	-0.916	0.000	0.165
61.00	-15.74	-4.83	0.00	-210.43	0.00	210.43	2170.81	542.46	1388.59	1356.41	5.71	-0.932	0.000	0.162
62.00	-15.62	-4.81	0.00	-205.60	0.00	205.60	2163.42	539.55	1373.71	1344.45	5.90	-0.948	0.000	0.160
63.00	-15.51	-4.79	0.00	-200.79	0.00	200.79	2155.98	536.63	1358.91	1332.52	6.10	-0.963	0.000	0.158
64.00	-15.39	-4.77	0.00	-196.00	0.00	196.00	2148.49	533.72	1344.20	1320.61	6.31	-0.979	0.000	0.156
65.00	-15.27	-4.75	0.00	-191.24	0.00	191.24	2140.97	530.81	1329.56	1308.73	6.51	-0.995	0.000	0.153
66.00	-15.16	-4.73	0.00	-186.49	0.00	186.49	2133.39	527.89	1315.00	1296.86	6.72	-1.010	0.000	0.151
67.00	-15.04	-4.71	0.00	-181.76	0.00	181.76	2125.77	524.98	1300.52	1285.02	6.94	-1.025	0.000	0.149
68.00	-14.93	-4.69	0.00	-177.05	0.00	177.05	2118.10	522.06	1286.13	1273.21	7.15	-1.040	0.000	0.146
69.00	-14.81	-4.67	0.00	-172.36	0.00	172.36	2110.39	519.15	1271.81	1261.42	7.37	-1.055	0.000	0.144
70.00	-14.70	-4.65	0.00	-167.69	0.00	167.69	2102.63	516.24	1257.57	1249.65	7.60	-1.070	0.000	0.141
71.00	-14.59	-4.63	0.00	-163.03	0.00	163.03	2094.82	513.32	1243.42	1237.91	7.82	-1.085	0.000	0.139
72.00	-14.47	-4.61	0.00	-158.40	0.00	158.40	2086.97	510.41	1229.34	1226.19	8.05	-1.099	0.000	0.136
73.00	-14.36	-4.59	0.00	-153.79	0.00	153.79	2079.07	507.50	1215.35	1214.51	8.28	-1.114	0.000	0.134
74.00	-14.25	-4.57	0.00	-149.20	0.00	149.20	2071.12	504.58	1201.43	1202.84	8.52	-1.128	0.000	0.131
75.00	-14.14	-4.55	0.00	-144.63	0.00	144.63	2063.13	501.67	1187.59	1191.21	8.76	-1.142	0.000	0.128
76.00	-14.03	-4.53	0.00	-140.08	0.00	140.08	2055.10	498.75	1173.84	1179.60	9.00	-1.155	0.000	0.126
77.00	-13.92	-4.51	0.00	-135.55	0.00	135.55	2047.01	495.84	1160.16	1168.02	9.24	-1.169	0.000	0.123
78.00	-13.76	-4.49	0.00	-131.03	0.00	131.03	2038.89	492.93	1146.57	1156.47	9.49	-1.182	0.000	0.120
79.00	-13.59	-4.47	0.00	-126.54	0.00	126.54	2030.71	490.01	1133.05	1144.95	9.74	-1.195	0.000	0.117
80.00	-13.42	-4.45	0.00	-122.08	0.00	122.08	2022.49	487.10	1119.62	1133.46	9.99	-1.208	0.000	0.114
80.75	-13.30	-4.43	0.00	-118.74	0.00	118.74	959.89	296.25	690.22	547.79	10.18	-1.218	0.000	0.231
81.00	-13.28	-4.43	0.00	-117.63	0.00	117.63	959.45	295.81	688.19	546.73	10.24	-1.221	0.000	0.229
82.00	-13.21	-4.41	0.00	-113.21	0.00	113.21	957.66	294.06	680.08	542.46	10.50	-1.241	0.000	0.223
83.00	-13.14	-4.39	0.00	-108.80	0.00	108.80	955.82	292.31	672.01	538.18	10.76	-1.260	0.000	0.216
84.00	-13.07	-4.37	0.00	-104.41	0.00	104.41	953.93	290.56	664.00	533.88	11.03	-1.279	0.000	0.209
85.00	-13.00	-4.35	0.00	-100.04	0.00	100.04	952.00	288.82	656.03	529.57	11.30	-1.297	0.000	0.203
86.00	-12.93	-4.34	0.00	-95.68	0.00	95.68	950.03	287.07	648.11	525.25	11.57	-1.315	0.000	0.196
87.00	-12.86	-4.32	0.00	-91.35	0.00	91.35	948.00	285.32	640.24	520.92	11.85	-1.332	0.000	0.189
88.00	-12.80	-4.30	0.00	-87.03	0.00	87.03	945.93	283.57	632.42	516.58	12.13	-1.349	0.000	0.182
89.00	-12.73	-4.28	0.00	-82.73	0.00	82.73	943.82	281.82	624.65	512.22	12.41	-1.365	0.000	0.175
90.00	-12.66	-4.26	0.00	-78.45	0.00	78.45	941.66	280.07	616.92	507.86	12.70	-1.381	0.000	0.168
91.00	-12.59	-4.24	0.00	-74.19	0.00	74.19	939.45	278.33	609.24	503.48	12.99	-1.396	0.000	0.161
92.00	-12.53	-4.23	0.00	-69.94	0.00	69.94	937.20	276.58	601.61	499.09	13.29	-1.411	0.000	0.154
93.00	-12.46	-4.21	0.00	-65.72	0.00	65.72	934.90	274.83	594.03	494.70	13.58	-1.425	0.000	0.146
94.00	-12.40	-4.19	0.00	-61.51	0.00	61.51	932.55	273.08	586.50	490.30	13.88	-1.439	0.000	0.139
95.00	-12.33	-4.17	0.00	-57.32	0.00	57.32	930.16	271.33	579.01	485.89	14.19	-1.451	0.000	0.131
96.00	-12.27	-4.15	0.00	-53.16	0.00	53.16	927.72	269.58	571.57	481.47	14.49	-1.464	0.000	0.124
97.00	-12.20	-4.13	0.00	-49.01	0.00	49.01	925.24	267.84	564.18	477.04	14.80	-1.475	0.000	0.116
98.00	-12.14	-4.11	0.00	-44.88	0.00	44.88	922.71	266.09	556.84	472.61	15.11	-1.486	0.000	0.108
99.00	-8.76	-3.00	0.00	-40.67	0.00	40.67	920.13	264.34	549.55	468.17	15.42	-1.496	0.000	0.097
100.00	-8.70	-2.98	0.00	-37.67	0.00	37.67	917.51	262.59	542.30	463.72	15.74	-1.505	0.000	0.091

Calculated Forces

Structure: CT46133-A-SBA

Code: TIA-222-H

12/1/2022

Site Name: Shelton-north

Exposure: C



Height: 118.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1

Topography: 1

Struct Class: II

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Tower Engineering Solutions

101.00	-8.64	-2.96	0.00	-34.69	0.00	34.69	914.84	260.84	535.11	459.27	16.05	-1.514	0.000	0.085
102.00	-8.58	-2.94	0.00	-31.73	0.00	31.73	912.12	259.09	527.96	454.82	16.37	-1.522	0.000	0.079
103.00	-8.52	-2.92	0.00	-28.79	0.00	28.79	909.36	257.35	520.86	450.36	16.69	-1.530	0.000	0.073
104.00	-8.46	-2.90	0.00	-25.86	0.00	25.86	906.56	255.60	513.80	445.90	17.01	-1.537	0.000	0.067
105.00	-8.40	-2.88	0.00	-22.96	0.00	22.96	903.70	253.85	506.80	441.43	17.34	-1.543	0.000	0.061
106.00	-8.34	-2.86	0.00	-20.08	0.00	20.08	900.80	252.10	499.84	436.96	17.66	-1.549	0.000	0.055
107.00	-8.28	-2.84	0.00	-17.21	0.00	17.21	897.86	250.35	492.93	432.49	17.98	-1.554	0.000	0.049
108.00	-4.39	-1.52	0.00	-14.37	0.00	14.37	894.87	248.60	486.07	428.01	18.31	-1.558	0.000	0.039
109.00	-4.34	-1.50	0.00	-12.85	0.00	12.85	891.83	246.86	479.26	423.53	18.64	-1.562	0.000	0.035
110.00	-4.29	-1.48	0.00	-11.36	0.00	11.36	888.75	245.11	472.50	419.06	18.97	-1.566	0.000	0.032
111.00	-4.24	-1.46	0.00	-9.88	0.00	9.88	885.62	243.36	465.78	414.58	19.29	-1.569	0.000	0.029
112.00	-4.19	-1.44	0.00	-8.42	0.00	8.42	882.44	241.61	459.11	410.10	19.62	-1.572	0.000	0.025
113.00	-4.13	-1.42	0.00	-6.98	0.00	6.98	879.22	239.86	452.49	405.62	19.95	-1.574	0.000	0.022
114.00	-4.08	-1.40	0.00	-5.57	0.00	5.57	875.95	238.11	445.92	401.14	20.28	-1.576	0.000	0.019
115.00	-4.03	-1.38	0.00	-4.17	0.00	4.17	872.64	236.37	439.39	396.67	20.61	-1.578	0.000	0.015
116.00	-3.98	-1.36	0.00	-2.79	0.00	2.79	869.28	234.62	432.92	392.19	20.94	-1.579	0.000	0.012
117.00	-3.93	-1.34	0.00	-1.43	0.00	1.43	865.87	232.87	426.49	387.72	21.27	-1.580	0.000	0.008
118.00	0.00	-1.23	0.00	-0.09	0.00	0.09	862.42	231.12	420.11	383.25	21.60	-1.580	0.000	0.000

Final Analysis Summary

Structure: CT46133-A-SBA
Site Name: Shelton-north
Height: 118.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II
Topography: 1

12/1/2022

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Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.0W 120 mph Wind	26.5	0.00	30.64	0.00	0.00	2429.15
0.9D + 1.0W 120 mph Wind	26.4	0.00	22.98	0.00	0.00	2396.19
1.2D + 1.0Di + 1.0Wi 50 mph Wind	6.3	0.00	43.71	0.00	0.00	587.02
1.2D + 1.0Ev + 1.0Eh	0.5	0.00	31.77	0.00	0.00	54.52
0.9D + 1.0Ev + 1.0Eh	0.5	0.00	24.09	0.00	0.00	53.72
1.0D + 1.0W 60 mph Wind	5.9	0.00	25.54	0.00	0.00	539.41

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.0W 120 mph Wind	-14.22	-20.00	0.00	-536.31	0.00	-536.31	959.89	296.25	690.22	547.79	80.75	0.998
0.9D + 1.0W 120 mph Wind	-10.25	-19.59	0.00	-523.82	0.00	-523.82	959.89	296.25	690.22	547.79	80.75	0.971
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-25.35	-4.87	0.00	-129.64	0.00	-129.64	959.89	296.25	690.22	547.79	80.75	0.263
1.2D + 1.0Ev + 1.0Eh	-16.65	-0.50	0.00	-14.97	0.00	-14.97	959.89	296.25	690.22	547.79	80.75	0.045
0.9D + 1.0Ev + 1.0Eh	-12.63	-0.49	0.00	-14.66	0.00	-14.66	959.89	296.25	690.22	547.79	80.75	0.040
1.0D + 1.0W 60 mph Wind	-13.30	-4.43	0.00	-118.74	0.00	-118.74	959.89	296.25	690.22	547.79	80.75	0.231

Additional Steel Summary

Elev From (ft)	Elev To (ft)	Member	Intermediate Connectors			Lower Termination				Upper Termination				Max Member			
			VQ/I (lb/in)	Vu (kips)	phi Vn (kips)	MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	Pu (kips)	phi Pn (kips)	phi Tn (kips)	Ratio
0.0	6.5	(4) PLT-6"x1.5"(1.25" Hole)	272.4	4.90	37.1	293.9	33.4	9	11	285.1	33.4	9	11	293.86	392.4	344.93	0.852

Base Plate Summary

Structure: CT46133-A-SB	Code: TIA-222-H	12/1/2022
Site Name: Shelton-north	Exposure: C	
Height: 118.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Page: 67



Reactions	Base Plate	Anchor Bolts
Original Design	Yield (ksi): 50.00	Bolt Circle: 48.00
Moment (kip-ft): 1810.00	Width (in): 46.00	Number Bolts: 12.00
Axial (kip): 18.50	Style: Clipped	Bolt Type: 2.25" 18J
Shear (kip): 20.00	Polygon Sides: 0.00	Bolt Diameter (in): 2.25
Analysis (1.2D + 1.0W)	Clip Length (in): 6.00	Yield (ksi): 75.00
Moment (kip-ft): 2429.15	Effective Len (in): 10.95	Ultimate (ksi): 100.00
Axial (kip): 30.64	Moment (kip-in): 771.76	Arrangement: Clustered
Shear (kip): 26.45	Allow Stress (ksi): 67.50	Cluster Dist (in): 5.00
	Applied Stress (ksi): 39.83	Start Angle (deg): 45.00
	Stress Ratio: 0.59	Compression
		Force (kip): 204.98
		Allowable (kip): 268.39
		Ratio: 0.76
		Tension
		Force (kip): 199.88
		Allowable (kip): 243.75
		Ratio: 0.82



Monopole Mat Foundation Design

Date
11/28/2022

Customer Name:	SBA Communications Corp	TIA Standard:	EIA-222-H
Site Name:	Shelton-North	Structure Height (Ft.):	118
Site Number:	CT46133-A-SBA	Engineer Name:	J. Tibbetts
Engr. Number:	136575	Engineer Login ID:	

Foundation Info Obtained from:

Mapping Operation
Monopole
Analysis

Structure Type:

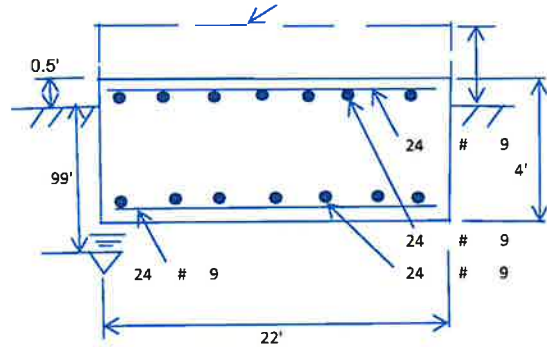
Analysis or Design?

Base Reactions (Factored):

Axial Load (Kips):	30.6	Shear Force (Kips):	26.5
Uplift Force (Kips):	0.0	Moment (Kips-ft):	2429.2

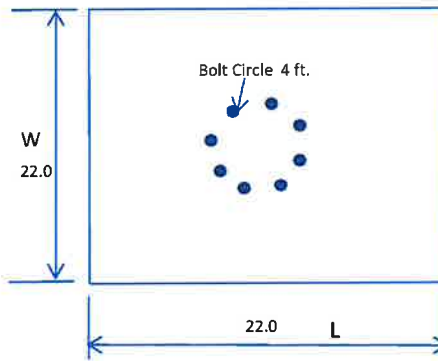
Foundation Geometries:

		Mods required -Yes/No ?:	No
Anchor Bolt Circle (ft.):	4.00	Depth of Base BG (ft.):	3.50
Thickness of Pad (ft):	4.00		
Length of Pad (ft.):	22	Width of Pad (ft.):	22
Final Length of pad (ft)	22.0	Final width of pad (ft):	22.0



Material Properties and Rebar Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Pad Rebar Yield (Ksi):	60	Tie Spacing (in):	18.0	
Pad Steel Rebar Size (#):	9			
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	24	Qty. of Rebar in Pad (W):	24	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	24	Qty. of Rebar in Pad (W):	24	



Soil Design Parameters:

Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	9000	Ultimate Skin Friction:	425	Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	Yes		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM:	No	Reduction factor on the maximum soil bearing pressure:	1.00			

Foundation Analysis and Design:

Uplift Strength Reduction Factor:	0.75	Compression Strength Reduction Factor:	0.75
Total Dry Soil Volume (cu. Ft.):	0.00	Total Dry Soil Weight (Kips):	0.00
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	0.00	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	1936.00	Total Dry Concrete Weight (Kips):	290.40
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	290.40	Total Vertical Load on Base (Kips):	321.00

Check Soil Capacities:

Calculated Maxium Net Soil Pressure under the base (psf):	2307	<	Allowable Factored Soil Bearing (psf):	6750	0.34	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	3211.6	>	Design Factored Momont (kips-ft):	2537	0.79	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.27					OK!

Load/
Capacity
Ratio

Check the capacities of Reinforcing Concrete:

Strength reduction factor (Flexure and axial tension):

0.90

Strength reduction factor (Shear):

0.75

Strength reduction factor (Axial compression):

0.65

Wind Load Factor on Concrete Design:

1.00

Concrete Pad:

One-Way Design Shear Capacity (L-Direction, Kips):	963.8	>	One-Way Factored Shear (L-D. Kips):	198.3	0.21	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	963.8	>	One-Way Factored Shear (W-D., Kips)	198.3	0.21	OK!
One-Way Design Shear Capacity (Corner-Corner, Kips):	1165.9	>	One-Way Factored Shear (C-C, Kips):	414.8	0.36	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0020	OK!	Lower Steel Pad Reinf. Ratio (W-Direct	0.0020		
Lower Steel Pad Moment Capacity (L-Direction, Kips-ft):	4683.7	>	Moment at Bottom (L-Direct, K-Ft):	500.3	0.11	OK!
Lower Steel Pad Moment Capacity (W-Direction, Kips-ft):	4683.7	>	Moment at Bottom (W-Direct, K-Ft):	500.3	0.11	OK!
Lower Steel Pad Moment Capacity (Corner-Corner, K-ft):	6596.2	>	Moment at Bottom (C-C Dir, K-Ft):	707.5	0.11	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0020	OK!	Upper Steel Reinf. Ratio (W-Direct.):	0.0020		
Upper Steel Pad Moment Capacity (L-Direction, Kips-ft):	4683.7	>	Moment at the top (L-Dir Kips-Ft):	172.8	0.04	OK!
Upper Steel Pad Moment Capacity (W-Direction, Kips-ft):	4683.7	>	Moment at the top (W-Dir Kips-Ft):	172.8	0.04	OK!
Upper Steel Pad Moment Capacity (Corner-Corner, K-ft):	6596.2	>	Moment at the top (C-C Direc, K-Ft):	372.3	0.06	OK!



Maser Consulting Connecticut
 1055 Washington Boulevard
 Stamford, CT 06901
 (203) 324.0800
 Peter.Albano@colliersengineering.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10154984
 Maser Consulting Connecticut Project #: 21777768A (Rev. 4)

July 8, 2022

Site Information

Site ID: 467929-VZW / SHELTON NORTH CT
 Site Name: SHELTON NORTH CT
 Carrier Name: Verizon Wireless
 Address: 161 Birdseye Road
 Shelton, Connecticut 06484
 Fairfield County
 Latitude: 41.325556°
 Longitude: -73.148333°

Structure Information

Tower Type: 120-Ft Monopole
 Mount Type: 12.50-Ft Platform

FUZE ID # 16244170

Analysis Results

Platform: **35.2% 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>

Contractor - Please Review Specific Site PMI Requirements Upon Award

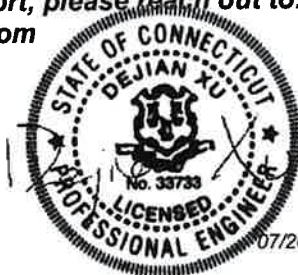
Requirements also Noted on Mount Modification Drawings

Requirements may also be Noted on A & E drawings

For additional questions and support, please reach out to:

pmisupport@colliersengineering.com

Report Prepared By: Nathan LaPorte



07/20/2022

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS Site ID: 675037, dated June 8, 2022
Mount Mapping Report	Structural Components Site ID: 16244170, dated April 20, 2021
Previous Mount Analysis	Maser Consulting Connecticut Project #: 21777768A (Rev. 3), dated July 8, 2022
Mount Modification Drawings	Maser Consulting Connecticut Project #: 21777768A (Rev. 4), dated July 20, 2022

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 118 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.979
Seismic Parameters:	S_s : 0.205 S_1 : 0.054
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
98.25	99.00	6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		1	Raycap	DB-B1-6C-12AB-0Z	
		1	Raycap	RHSDC-3315-PF-48*	Retained

* Equipment is flush mounted directly to the Monopole. They are not mounted on the 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

BASELINE mount weight per SBA agreement: 1601.90 lbs

Increase in mount weight due to Verizon loading change per SBA agreement: 806.00 lbs

The weights listed above include 3 sectors.

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

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
Mount Pipe	22.2%	Pass
Support Connection	18.4%	Pass
Support Rail	10.8%	Pass
Face Horizontal	7.3%	Pass
Corner Plate	9.1%	Pass
Cross Arm Plate	32.0%	Pass
Grating Support	10.8%	Pass
Platform Crossmember	15.6%	Pass
Standoff Horizontal	25.8%	Pass
Mount Connection	35.2%	Pass

Structure Rating – (Controlling Utilization of all Components)	35.2%
---	--------------

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	24.5	24.5	41.4	41.4
0.5	31.7	31.7	55.4	55.4
1	38.5	38.5	68.9	68.9

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 sector(s).
- Ka factors included in (EPA)a calculations

Recommendation:

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

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

Attachments:

1. **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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Electronic pdf version of this can be downloaded at <https://pmi.vzwsmart.com>

For additional questions and support, please reach out to pmisupport@colliersengineering.com

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

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

Base Requirements:

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

Photo Requirements:

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

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

Material Certification:

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

OR

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

Antenna & equipment placement and Geometry Confirmation:

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

OR

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

Comments:

Certifying Individual:

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

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

Yes No

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

Issue:

Contractor shall install a new safety climb wire rope guide (VZWSMART-MSK10) to the threaded rods of the existing monopole collar assembly.

Contractor shall install the proposed OVP on a new 48" long P2 STD pipe, connected to the standoff horizontal supporting the Beta and Gamma sectors with a new crossover plate (VZWSmart-MSK6).

Response:

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

Yes No

Contractor certifies no new damage/obstructions created during the current installation:

Yes No

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

- Safety climb in good condition with no obstructions
- Safety Climb Obstructed

Safety Climb Damaged

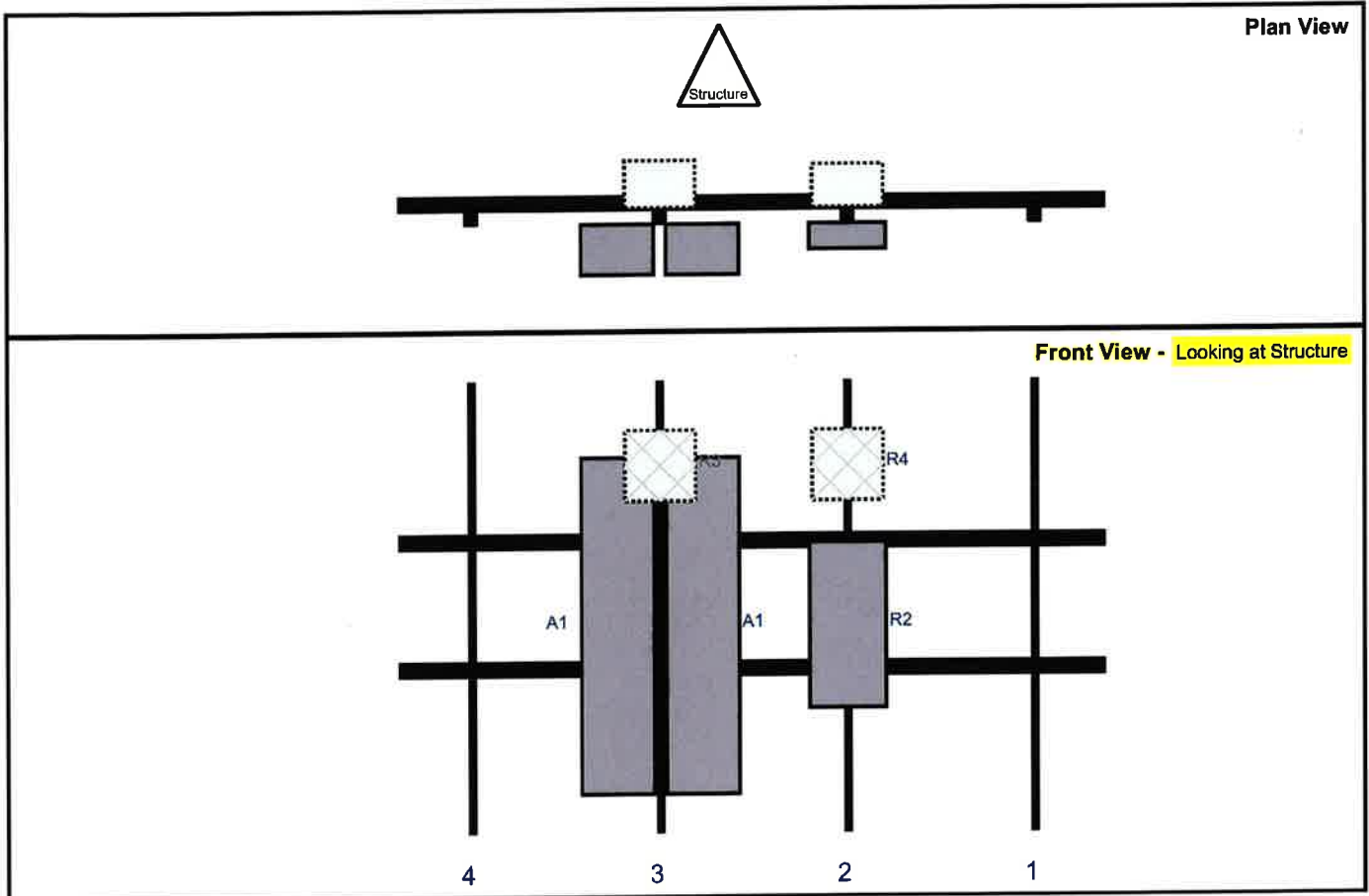
Comments:

Sector: **A**
 Structure Type: Monopole
 Mount Elev: 98.25

10154984

7/20/2022

Page: 1



Ref#	Model	Height (in)	Width (in)	H Dist Fm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Fm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	95.25	2	a	Front	51.96	0	Added	
R4	RF4440d-13A	15	15	95.25	2	a	Behind	18	0	Added	
A1	MX06FRO660-03	71.3	15.4	55.5	3	a	Front	51.96	9	Added	
A1	MX06FRO660-03	71.3	15.4	55.5	3	b	Front	51.96	-9	Added	
R3	RF4439d-25A	15	15	55.5	3	a	Behind	18	0	Added	
OVP	DB-B1-6C-12AB-0Z	28.9	15.7		Member					Added	

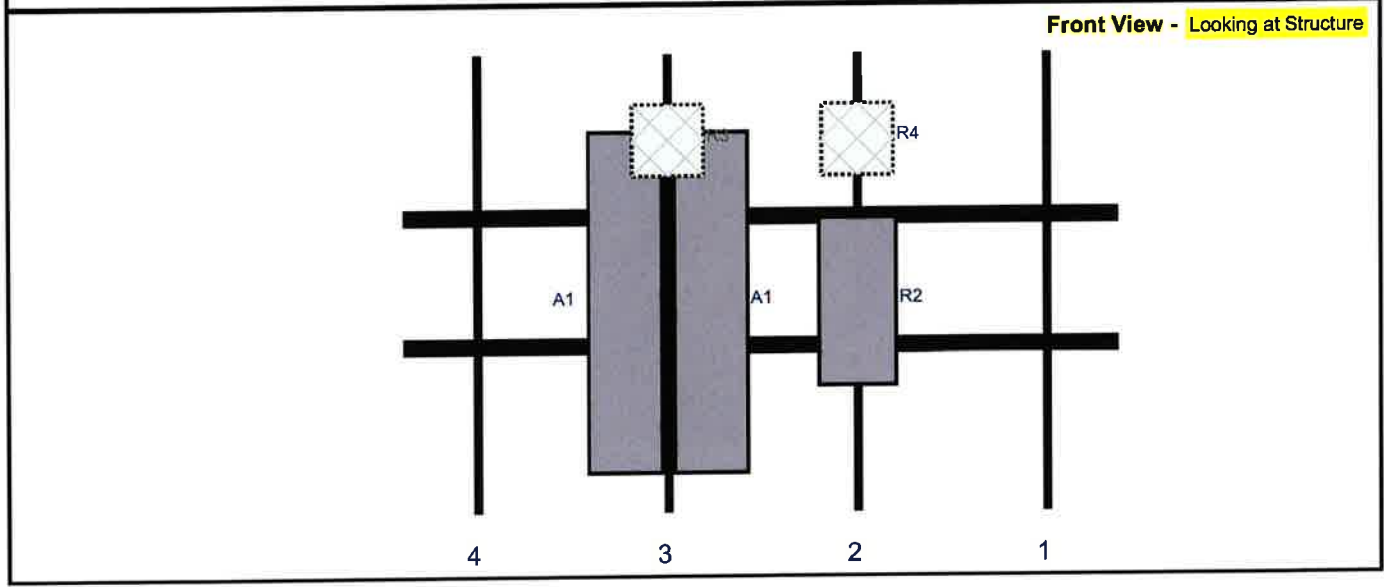
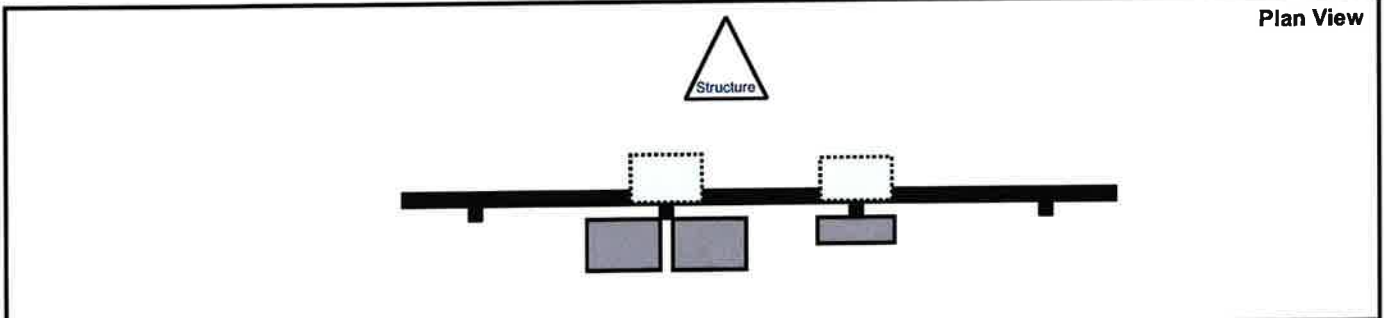
Structure: 467929-VZW - SHELTON NORTH CT

7/20/2022

Sector: B
 Structure Type: Monopole
 Mount Elev: 98.25

10154984

Page: 2



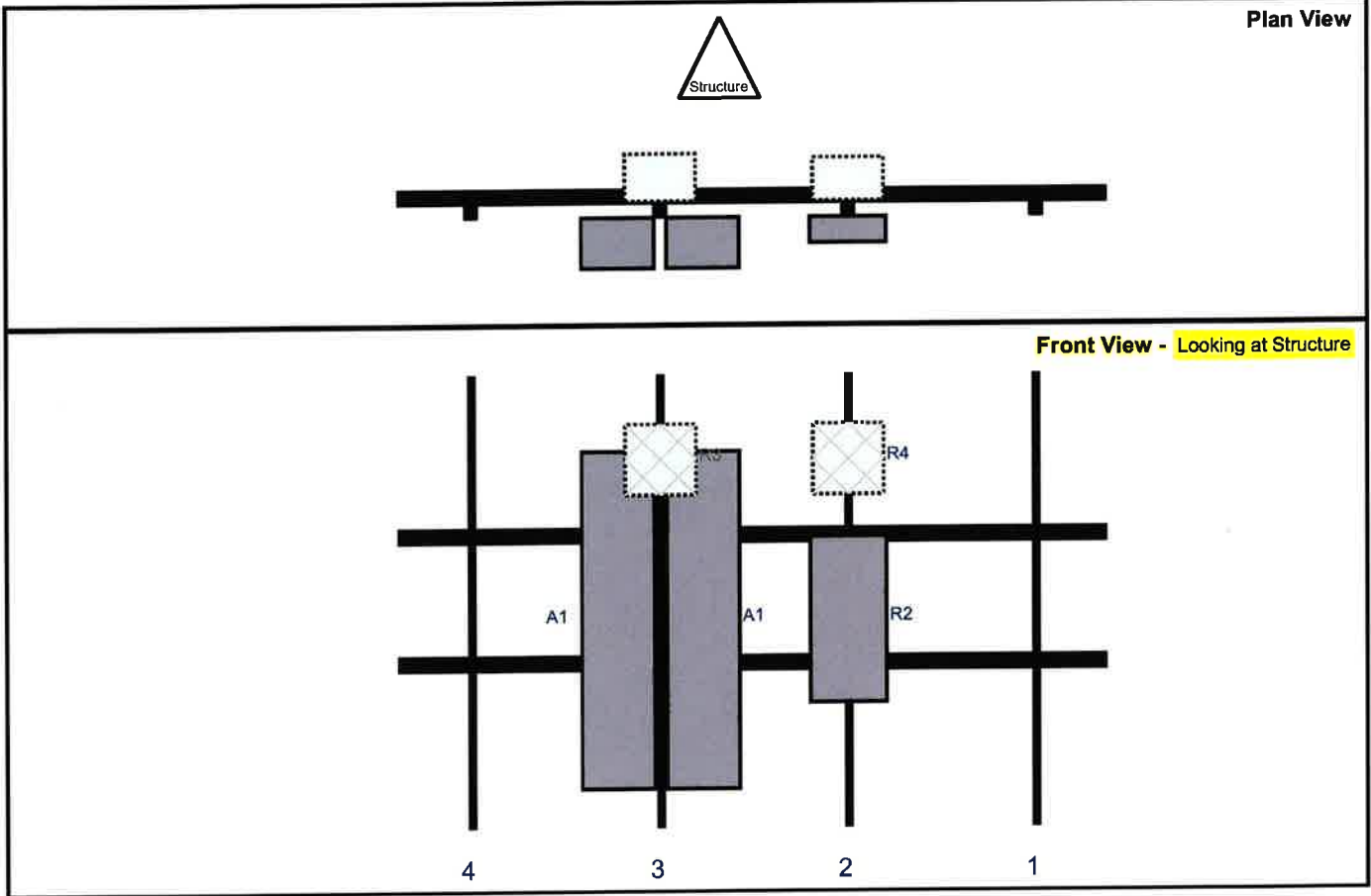
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	95.25	2	a	Front	51.96	0	Added	
R4	RF4440d-13A	15	15	95.25	2	a	Behind	18	0	Added	
A1	MX06FRO660-03	71.3	15.4	55.5	3	a	Front	51.96	9	Added	
A1	MX06FRO660-03	71.3	15.4	55.5	3	b	Front	51.96	-9	Added	
R3	RF4439d-25A	15	15	55.5	3	a	Behind	18	0	Added	

Sector: C

Structure Type: Monopole

10154984

Mount Elev: 98.25



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
R2	MT6407-77A	35.1	16.1	95.25	2	a	Front	51.96	0	Added	
R4	RF4440d-13A	15	15	95.25	2	a	Behind	18	0	Added	
A1	MX06FRO660-03	71.3	15.4	55.5	3	a	Front	51.96	9	Added	
A1	MX06FRO660-03	71.3	15.4	55.5	3	b	Front	51.96	-9	Added	
R3	RF4439d-25A	15	15	55.5	3	a	Behind	18	0	Added	



**MOUNT MODIFICATION DRAWINGS
PROPOSED 12.50' PLATFORM**

**TOWER OWNER: SBA
TOWER OWNER SITE NUMBER: CT46133**

**CARRIER SITE NAME: SHELTON NORTH CT
CARRIER SITE NUMBER: 467929
FUZE ID: 16244170**

**161 BRIDSEYE ROAD
SHELTON NORTH, CT 06484
FAIRFIELD COUNTY**

**LATITUDE: 41.325556° N
LONGITUDE: 73.148333° W**

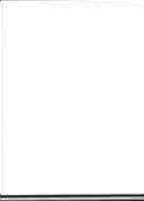
MASER CONSULTING CONNECTICUT
 1000 Main Street, Suite 200
 Shelton, CT 06484
 Phone: 860-946-1111
 Fax: 860-946-1112
 Website: www.maserconsulting.com

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NO.	AS SHOWN	DATE	DESCRIPTION	BY	CHK'D
1	ISSUED FOR PERMITS	06/15/2022	ISSUED FOR PERMITS	PT	PT
2	ISSUED FOR PERMITS	06/15/2022	ISSUED FOR PERMITS	PT	PT
3	ISSUED FOR PERMITS	06/15/2022	ISSUED FOR PERMITS	PT	PT
4	ISSUED FOR PERMITS	06/15/2022	ISSUED FOR PERMITS	PT	PT
5	ISSUED FOR PERMITS	06/15/2022	ISSUED FOR PERMITS	PT	PT
6	ISSUED FOR PERMITS	06/15/2022	ISSUED FOR PERMITS	PT	PT
7	ISSUED FOR PERMITS	06/15/2022	ISSUED FOR PERMITS	PT	PT
8	ISSUED FOR PERMITS	06/15/2022	ISSUED FOR PERMITS	PT	PT
9	ISSUED FOR PERMITS	06/15/2022	ISSUED FOR PERMITS	PT	PT
10	ISSUED FOR PERMITS	06/15/2022	ISSUED FOR PERMITS	PT	PT



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SITE NAME:
SHELTON NORTH CT
467929
161 BRIDSEYE ROAD
SHELTON NORTH, CT 06484
FAIRFIELD COUNTY



TITLE SHEET

ST-1

SHEET INDEX	
SHEET	DESCRIPTION
ST-1	TITLE SHEET
SGM-1	BILL OF MATERIALS
GN-1	GENERAL NOTES
SC-1	CUMBER FACILITY DETAIL
SC-1	MODIFICATION DETAILS
SC-2	PHOANT PHOTOS
	SPECIFICATION SHEETS

PROJECT INFORMATION	
APPLICANT/LESSEE	PROJECT MANAGER
COMPANY: VERIZON WIRELESS CLIENT REPRESENTATIVE VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WASHINGTON, CT 06482 CITY, STATE, ZIP: WASHINGTON, CT 06482	COMPANY: MASER CONSULTING CONNECTICUT 1000 MAIN STREET, SUITE 200 SHELTON, CT 06484 PHONE: 860-946-1111 E-MAIL: PETER.ALBANO@MASERCONSULTING.COM
CONTRACTOR PMI REQUIREMENTS CONTRACTOR: SBA PROJECT #: VZW LOCATION CODE (MLC): ANALYSIS DATE:	

DESIGN CRITERIA
WIND LOADS BASIC WIND SPEED (3 SECOND GUST), V = 110 MPH EXPOSURE CATEGORY C TOPOGRAPHIC CATEGORY 1 MEAN BASE ELEVATION (MBSL) = 594.93'
ICE LOADS ICE WIND SPEED (3 SECOND GUST), V = 50 MPH ICE THICKNESS = 1.00 IN.
SEISMIC LOADS SEISMIC DESIGN CATEGORY B SHORT TERM PEIER GROUND MOTION, S ₁ = .205 LONG TERM PEIER GROUND MOTION, S ₁ = .054

SHEET INDEX	
SHEET	DESCRIPTION
ST-1	TITLE SHEET
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	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)
1		VZWSMART-FLK1	SUPPORT RAIL KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET SON-1	504	504
3		VZWSMART-HSK2	CROSSOVER PLATE		15	45
1		VZWSMART-HSK6	BACK TO BACK CROSSOVER		34	34
3		VZWSMART-F40-27BX096	RIFE 2.5 SCH 40 (2.095" OD X .203" THK)	GALVANIZED	44	132
3	VZWSMART	VZWSMART-F40-23BX096	RIFE 2.0 SCH 40 (1.375" OD X .154" THK)	GALVANIZED	27	81

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS)	WEIGHT (LBS)
1			3/4" LONG PL STD	GALVANIZED	10	10
TOTAL:						886

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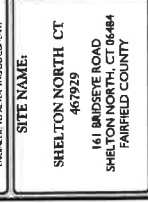
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SITE NAME:
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 FAIRFIELD COUNTY



BILL OF MATERIALS
 SBOM-1

VZWSMART KITS - APPROVED VENDORS

CONTACT	COMSCOPE
PHONE (878) 364-7492	SALVADOR ANGELIANO
EMAIL SALVADOR.ANGELIANO@COMSCOPE.COM	
WEBSITE WWW.COMSCOPE.COM	
CONTACT	METRO SITE FABRICATORS, LLC
PHONE (706) 335-7045 (O), (706) 982-9788 (M)	KENT RAMEY
EMAIL KENT@METROSITELLC.COM	
WEBSITE METROSITEFABRICATORS.COM	
CONTACT	PERFECT VISION
PHONE (844) 987-4733	WIRELESS SALES
EMAIL WWW.PERFECTVISION.COM	
WEBSITE WIRELESSALES@PERFECTVISION.COM	
CONTACT	SABRE INDUSTRIES, INC.
PHONE (866) 494-9377	ANGIE WELCH
EMAIL AKWELC@SABREINDUSTRIES.COM	
WEBSITE WWW.SABREINDUSTRIES.COM	
CONTACT	SITE PRO 1
PHONE (972) 236-9849	PAULA BOSWELL
EMAIL PAULA.BOSWELL@VALHOUT.COM	
WEBSITE WWW.SITEPRO1.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.

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

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SITE NAME:
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MODIFICATION NOTES

SGN-1

PROJECT NOTES

- SEE MODIFICATION NOTES
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC GOVERNING AUTHORITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE OR MUNICIPAL AUTHORITIES.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IN WRITING OF ANY CHANGES OR CONCERNS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION 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. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- THE CONTRACTOR SHALL VERIFY 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 THE PROJECT SITE PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH VOLTAGE ELECTRICAL EQUIPMENT. EQUIPMENT SHOULD BE SHUT DOWN PRIOR TO REPAIRING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN TO A LEVEL OF PROTECTION POTENTIAL DANGEROUS EXPOSURE LEVELS.
- NO NOISE, SHOCK, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
- THE FACILITY IS UNHABITED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

- THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE STANDARD TRADES PRACTICES AND SPECIFICATIONS PROVIDED BY THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK 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 REPAIRING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY UPON DISCOVERY OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
- IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE DRAWINGS SHALL BE PERFORMED BY A LICENSED STRUCTURAL ENGINEER WITH TOWER CONSTRUCTION EXPERIENCE.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES AND PROCEDURES.
- ALL CONSTRUCTION MEANS AND METHODS, INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CHIMING PLANS, AND RESCUE PLANS FOR THE ERECTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSII/A32 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSII/A32 (LATEST EDITION) REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR CLASS IV CONSTRUCTION.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
- WORK SHALL ONLY BE PERFORMED DURING DAWN DAYS (WINDS LESS THAN 30-MPH), THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED PORT. THE

STRUCTURAL STEEL

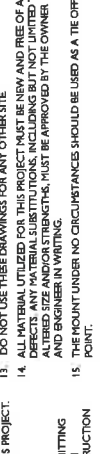
- DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SPECIFIED:
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (13TH EDITION).
 - SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS.
 - ABC CODE OF STANDARD PRACTICE.
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SPECIFIED:
 - CHANNELS, ANGLES, PLATES, ETC. - ASTM A36 (GR 36)
 - STEEL PIPE - ASTM A513 (GR 35)
 - BOLTS - ASTM A325
 - ASTM A490
 - LOCKING STRUCTURAL GRADE
- ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE ALL NECESSARY INFORMATION TO THE ENGINEER TO VERIFY THAT ALL SUBSTITUTIONS ARE SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COST CREDIBILITY ASSOCIATED WITH ANY SUBSTITUTIONS 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
 PETR@ALBANO@COLLIERSENGINEERING.COM
 - PROVIDE MASER CONSULTING CONNECTICUT PROJECT # AND MASER CONSULTING CONNECTICUT PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
- DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
- GAUVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
- NEW GALVANIZED STEEL SHALL BE PROVIDED GALVANIZED FOR BUILT WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
- CONTRACTOR SHALL PROTECT CUT ENDS OF ALL RED-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINCO OR ZINC COATS)
- ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING SHALL BE INSTALLED IN ACCORDANCE WITH AISC SECTION 14.2 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.

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 11/16	1 11/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

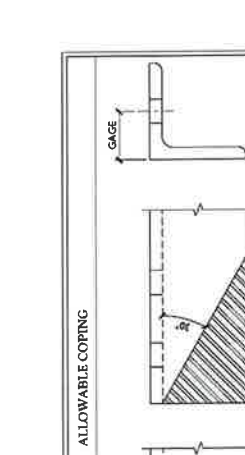
LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

- NOTES:**
- ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE ASIC MINIMUMS. 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 OF PROPOSED MEMBERS SHALL BE VERIFIED BY THE ENGINEER FROM THE ASIC MINIMUM REQUIREMENTS.
 - SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS.
 - MATCH EXISTING GAGES WHERE APPLICABLE. MINIMUM EDGE DISTANCES ARE COMPROMISED.

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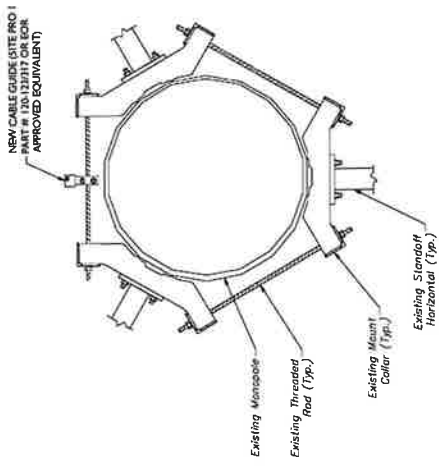
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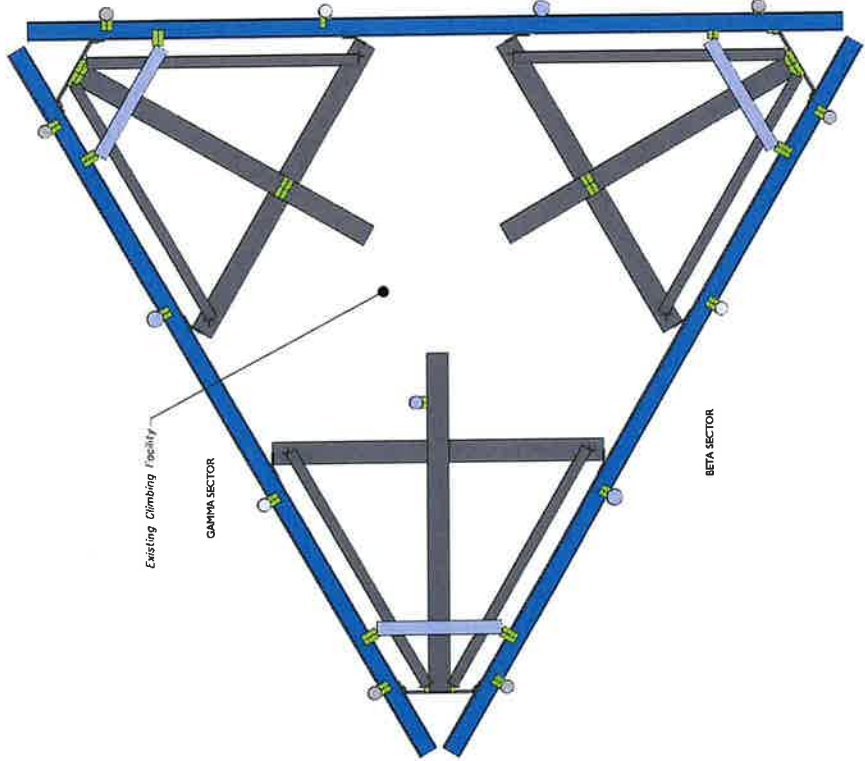
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2 CABLE GUIDE THREADED ROD ATTACHMENT - PLAN VIEW
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CLIMBING FACILITY PHOTO
 Existing Safety Climb
 Existing Climbing Facility



1 CLIMBING FACILITY LOCATION
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- STRUCTURAL NOTES:**
- PER THE MOUNT MAPPING COMPLETED BY STRUCTURAL COMPONENTS, LLC ON 4/20/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (98'-3") ARE IN GOOD CONDITION. MASER 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.

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DATE: [Date]

PROJECT: [Project Name]

LOCATION: [Location]

NO.	AS SHOWN	QUANTITY	UNIT	DESCRIPTION
1	PROPOSED	1	EA	PROPOSED SUPPORT RAIL KIT (PART # VZMSPART-PLK1)
2	RELOCATED	3	EA	96" LONG P2 1/2 STD RPE (PART# P40-27BX096)
3	EXISTING	1	EA	36" LONG P2 STD OVP RPE
4	EXISTING	3	EA	96" LONG P2 STD RPE (PART# P40-28BX096)

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MODIFICATION DETAILS

SS-1

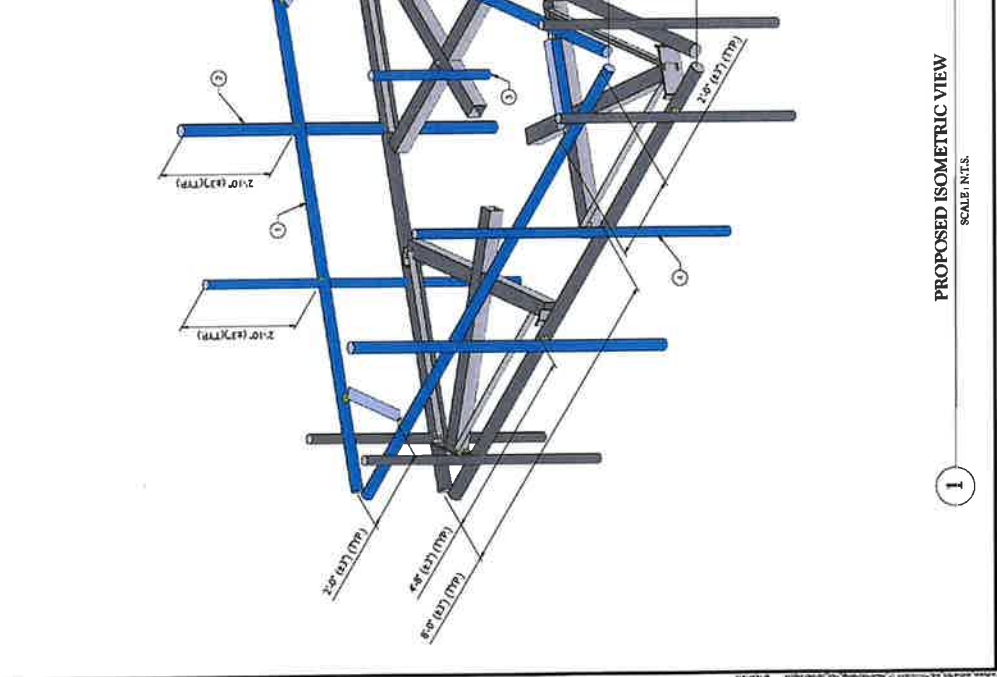
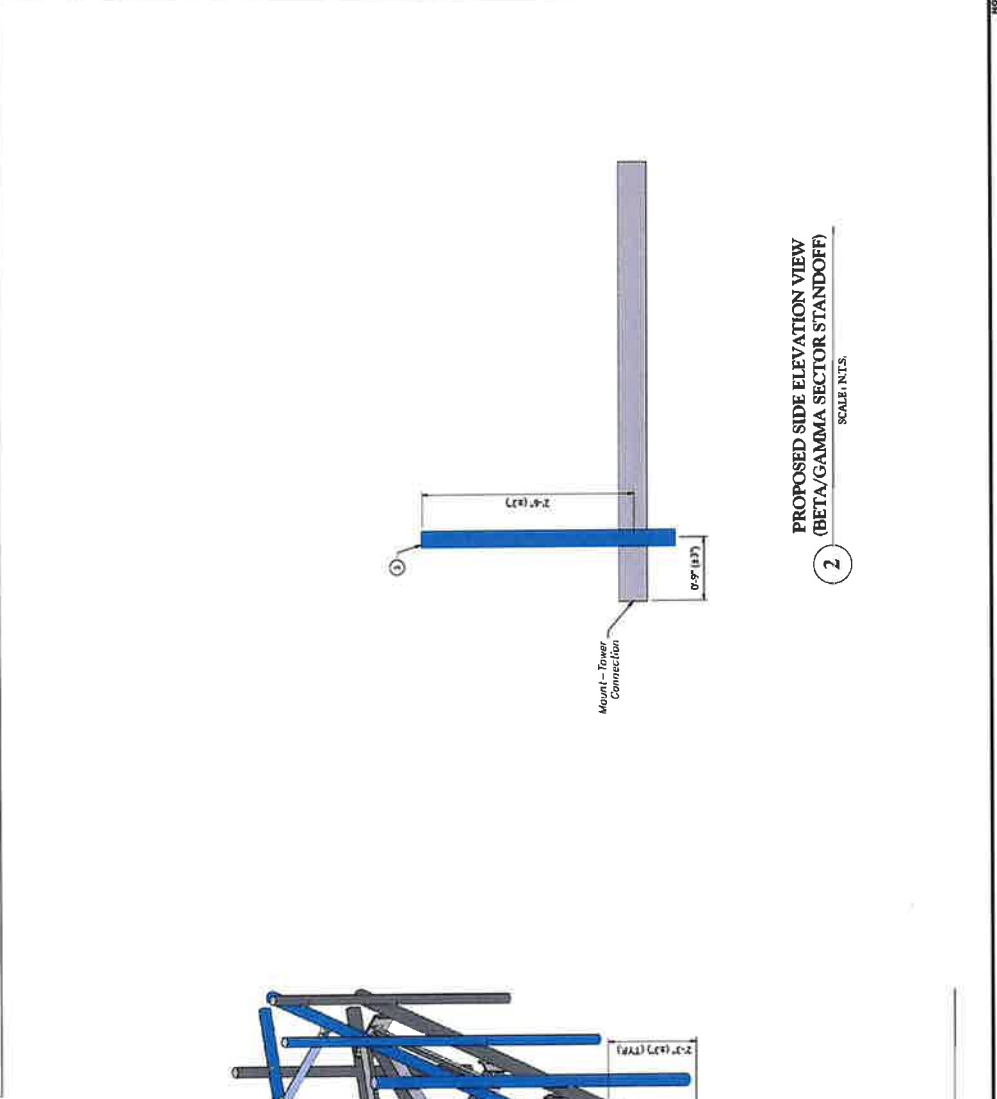
MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1		1	PROPOSED SUPPORT RAIL KIT (PART # VZMSPART-PLK1)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL. NOTES ON SHEET SON-1, RADIO AND/OR THE INSTALLATION OF HORIZONTAL AS SHOWN. EOM SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO AVOID THE EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART # VZMSPART-HK4).
2	96'-3"	3	96" LONG P2 1/2 STD RPE (PART# P40-27BX096)	CONNECT NEW OVP PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART # VZMSPART-HK6).
3		1	36" LONG P2 STD OVP RPE	CONNECT NEW HORIZONTAL WITH CROSSOVER PLATES (PART # VZMSPART-HK4).
4		3	96" LONG P2 STD RPE (PART# P40-28BX096)	CONNECT NEW HORIZONTAL WITH CROSSOVER PLATES (PART # VZMSPART-HK4).

NOTES:
MOUNT HEIGHTS NOT SHOWN FOR CLARITY UNO.

LEGEND:

- PROPOSED
- RELOCATED
- EXISTING



1
PROPOSED ISOMETRIC VIEW
SCALE: N.T.S.

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INDICATE TO YOUR LOCAL UTILITY PROVIDER THE LOCATION AND DEPTH OF ALL UTILITIES BEFORE ANY EXCAVATION OR CONSTRUCTION WORK TO AVOID DAMAGE TO UTILITIES AND PERSONAL INJURY.

FOR A LIST OF PARTICIPATING UTILITY PROVIDERS VISIT
WWW.811.COM

STATE: CT PROJECT NO.: 2022070001

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54	ISSUE	06/20/2023	OPEN
55	ISSUE	06/20/2023	OPEN
56	ISSUE	06/20/2023	OPEN
57	ISSUE	06/20/2023	OPEN
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91	ISSUE	06/20/2023	OPEN
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93	ISSUE	06/20/2023	OPEN
94	ISSUE	06/20/2023	OPEN
95	ISSUE	06/20/2023	OPEN
96	ISSUE	06/20/2023	OPEN
97	ISSUE	06/20/2023	OPEN
98	ISSUE	06/20/2023	OPEN
99	ISSUE	06/20/2023	OPEN
100	ISSUE	06/20/2023	OPEN



IT IS THE POLICY OF MAKER CONSULTING TO MAINTAIN THE CONFIDENTIALITY OF ALL INFORMATION AND TO PROTECT THE PRIVACY OF ALL INFORMATION. TO ALL INFORMATION.

SITE NAME:
SHELTON NORTH CT
467929
161 BRIDGEWAY ROAD
SHELTON NORTH, CT 06484
FAIRFIELD COUNTY



PROJECT:
MOUNT PHOTOS

DATE:
SS-2



MOUNT PHOTO 2



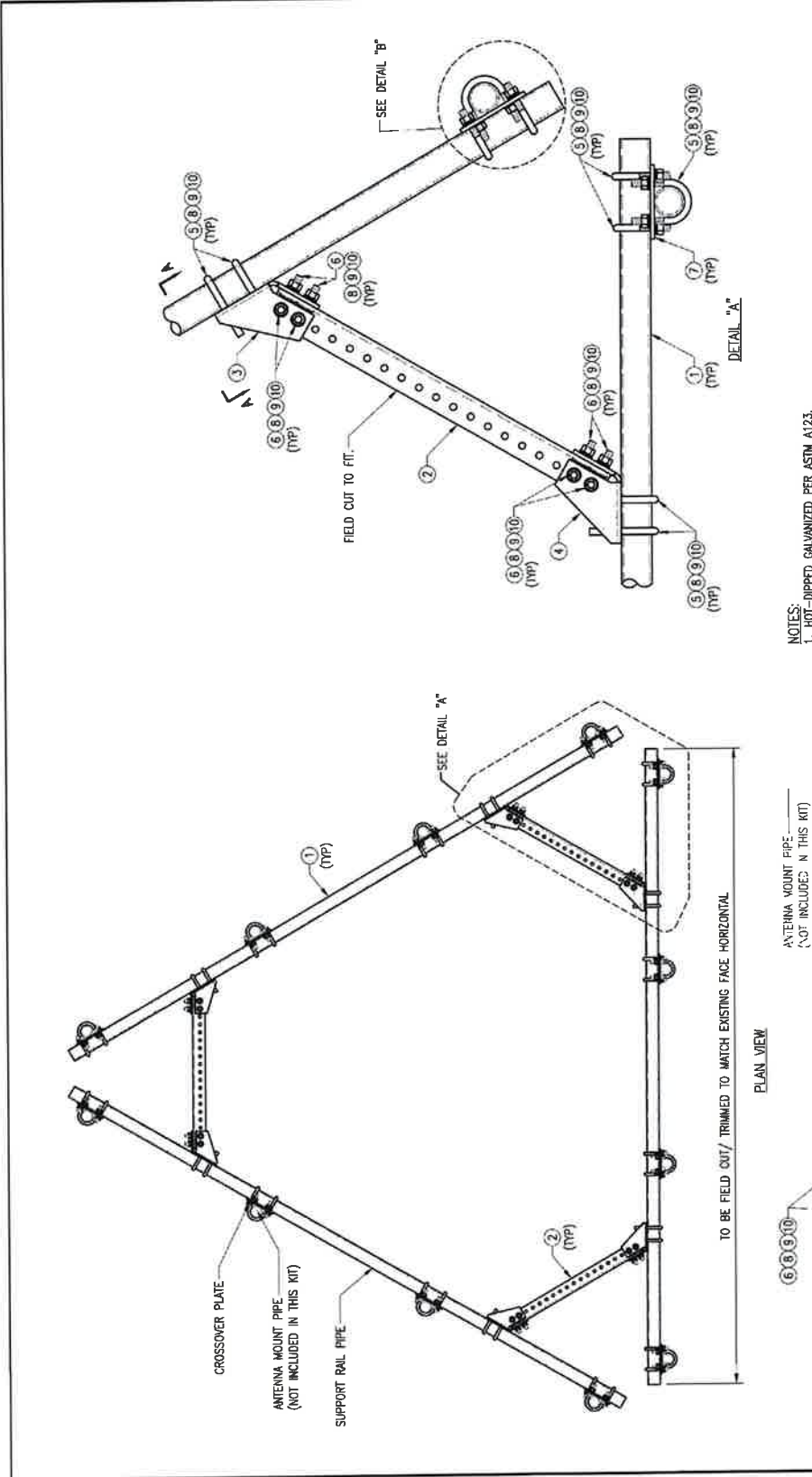
MOUNT PHOTO 4



MOUNT PHOTO 1



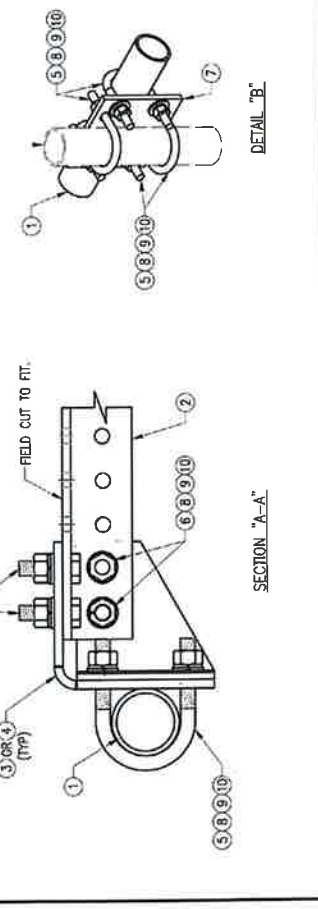
MOUNT PHOTO 3



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

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	PST2875-12.5	2.5" PSI (2.875" O.D. X 2.263" I.H.K.) X 12'-6" A53 GR-B	PLK1-F	282
2	7	13375-3	L 3" X 3" X 3/8" X 3'-0" A36	PLK1-F	66
3	3	CRP-1	CORNER BENT PLATE BRACKET	P K1-F2	28
4	3	CRP-R	CORNER BENT PLATE BRACKET	P K1-F2	28
5	60	WSC2-625-300-500	RU-BOLT 5/8" X 3" 1/4" X 5" LL A36 (OR EQUIV.)	REC-1	62
6	74	---	BOLT 5/8" X 7" A325	---	9
7	12	PL375-357	PL 3/8" X 8 1/2" X 7'-0" A36	P K1-F3	77
8	144	FW-625	5/8" HDG USS FLAT WASHER	---	12
9	144	LW-625	5/8" HDG LOC WASHER	---	3
10	144	RU-625	5/8" HDG HEX NUT	---	17
				GALVANIZED WT	504

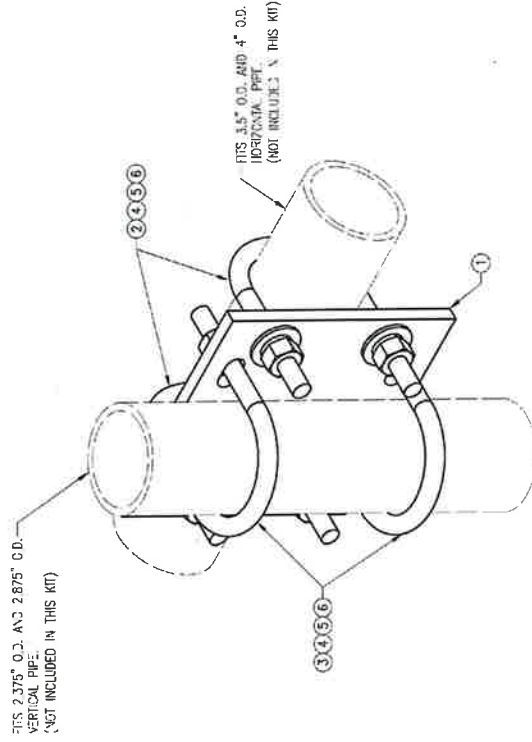
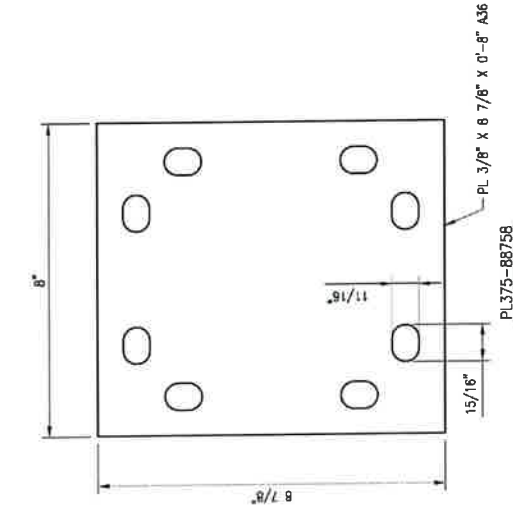
VZSMART-PLK1 (SUPPORT RAIL KIT)



DESIGN BY: HR	CHECKED BY: MA		
REV	DESCRIPTION	BY	DATE
AA	FIRST ISSUE	HR	05/09/20
△			
△			
△			
△			
△			
△			
△			
△			
SHEET TITLE:			

VZWSMART-MSK2
 CROSSOVER PLATE

SHEET NUMBER:	REV #:
VZWSMART-MSK2	0

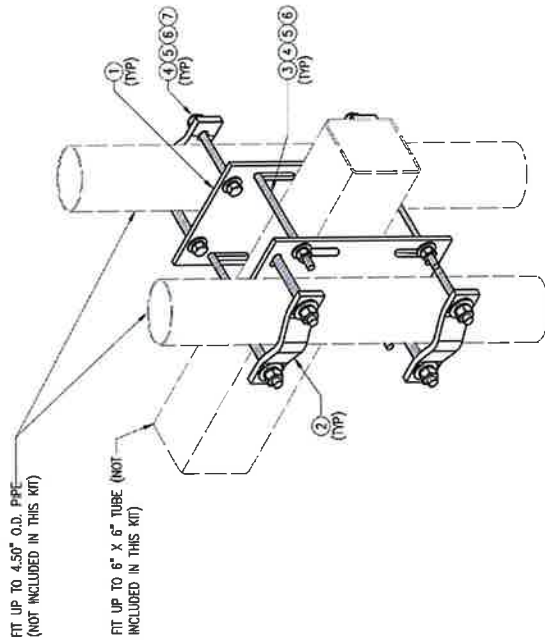


VZWSMART-MSK2 (CROSSOVER PLATE)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-8875B	PL 3/8" X 8 3/4" X 0"-8" A36	MSK2-F1	8
2	2	MS02-625-4125-600	RU-BOLT 5/8" X 1 1/8" LW X 6" LL A36 (OR EQUIV.)	RBC-1	3
3	2	MS02-625-300-500	RU-BOLT 5/8" X 3" LW X 5" LL A36 (OR EQUIV.)	RBC-1	3
4	8	FW-625	5/8" HDG USS FLAT WASHER		1
5	8	LN-625	5/8" HDG LOCK WASHER		0
6	8	NUT-625	5/8" HDG HEX NUT		1
					15
					GALVANIZED WT

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

DESIGN BY: SK	CHECKED BY: BT/ML
REV. DESCRIPTION	BY DATE
AA-FIRST: 631E	SK 05/04/20
△	
△	
△	
SHEET TITLE:	
VZWSMART-MSK6 BACK TO BACK CROSSOVER	
SHEET NUMBER:	REV #
VZWSMART-MSK6	0



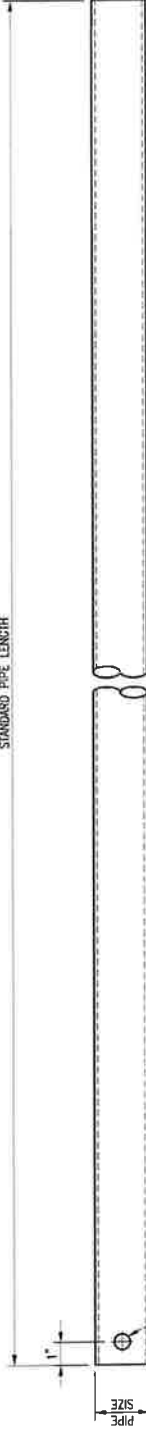
ISOMETRIC VIEW
 BACK TO BACK CROSSOVER

VZWSMART-MSK6 (VZWSMART-MSK6 - BACK TO BACK CROSSOVER)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	2	PL375-4512	PL 3/8" X 8 1/2" X 1"-0" A36	MSK6-F2	20.7
2	4	VCP	PL 1/2" X 2" X 8 5/8" A36 BENT PLATE	MSK6-F1	9.6
3	4	---	THREADED ROD 5/8" DIA. X 10" F1554-36 HDG	---	---
4	6	NU-675	5/8" HDG HEX NUT	---	2
5	6	FW-625	5/8" HDG USS FLA WASHER	---	1
6	6	LW-625	5/8" HDG LOCK WASHER	---	0
7	8	---	BOLT 5/8" X 6" SAE GRADE 5 ALL T-READ	---	1
				GALVANIZED WT	34

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

STANDARD PIPE LENGTH



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. UNLESS OTHERWISE NOTED.
 4. HOLES MUST BE PRESENT, DEPENDING UPON MANUFACTURER'S DISCRETION.
 5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE SEPARATELY BEARED WITH A MINIMUM OF TWO COATS OF ZINCA OR ZINC COATE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

DESIGN BY: BT	CHECKED BY: HMA/JAW
REV: _____	DATE: _____
DESCRIPTION: _____	BY: 08/04/20
PROJECT ASSISE: _____	

SHEET TITLE:	

VZWSMART
 STANDARD PIPE

SHEET NUMBER:	REV #:
VZWSMART-PIPE	0



Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1		
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
<ol style="list-style-type: none"> 1. Please report any visible structural or safety issues observed on the antenna mounts (damaged members, loose connections, tilting mounts, safety climb issues, etc.) 2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use an ultrasonic measurement tool (thickness gauge) to measure the thickness. 3. Please create all required detail sketches of the mounts and insert them into the "Sketches" tab. 4. Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type. 5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required. 6. Please measure and report the size and length of all existing antenna mounting pipes. 7. Please measure and report the antenna information for all sectors. 8. Don't delete or rearrange any sheet or contents of any sheet from this mapping form.

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



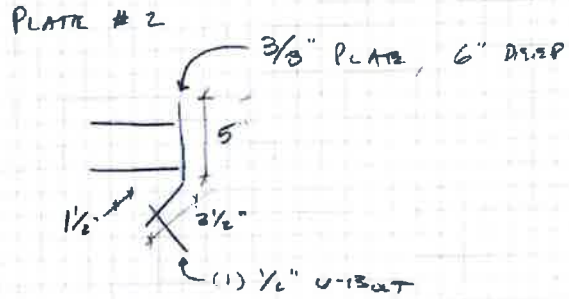
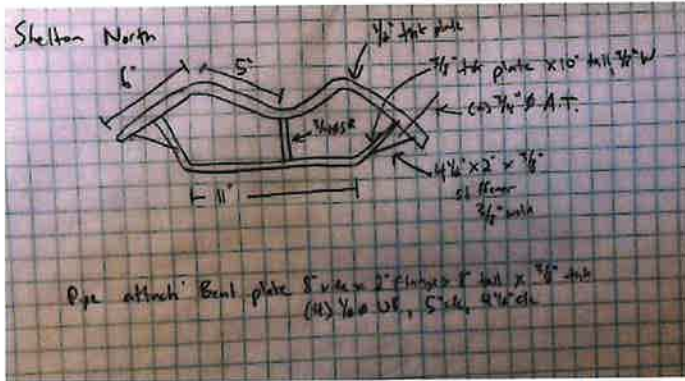
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
1270234

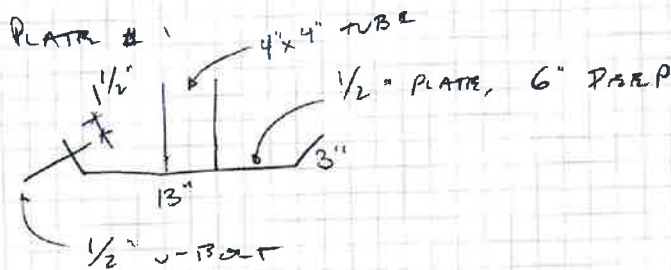
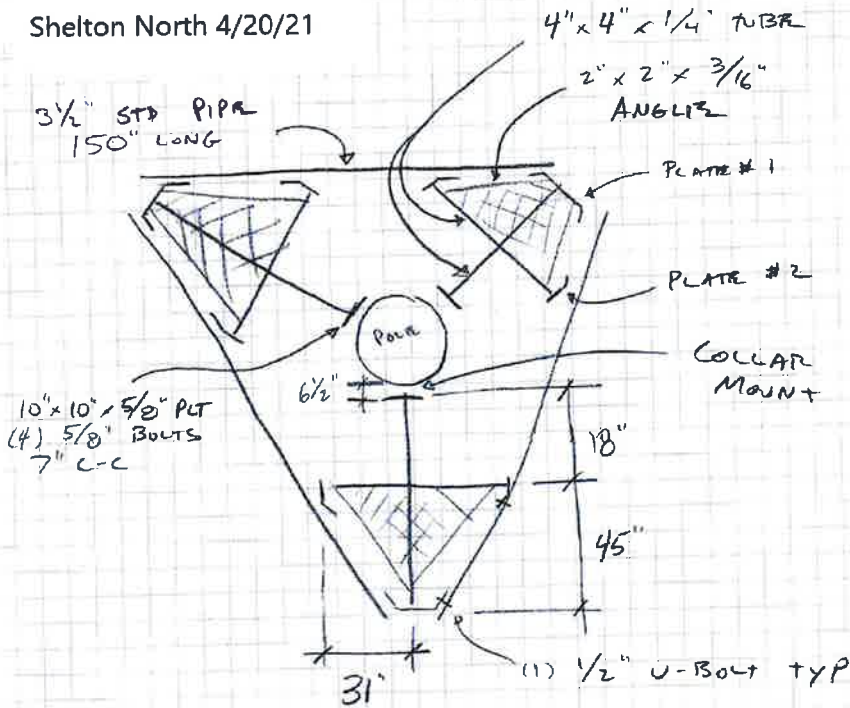
Tower Owner:	SBA Towers	Mapping Date:	4/20/2021
Site Name:	Shelton North	Tower Type:	Monopole
Site Number or ID:	18244170	Tower Height (FL):	110
Mapping Contractor:	Structural Components	Mount Elevation (FL):	90

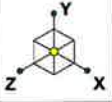
This antenna mapping form is the property of TES and under PATENT PENDING. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited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

Please Insert Sketches of the Antenna Mount



Shelton North 4/20/21





Envelope Only Solution

Maser Consulting

NL

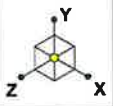
21777768A

Mount Fix

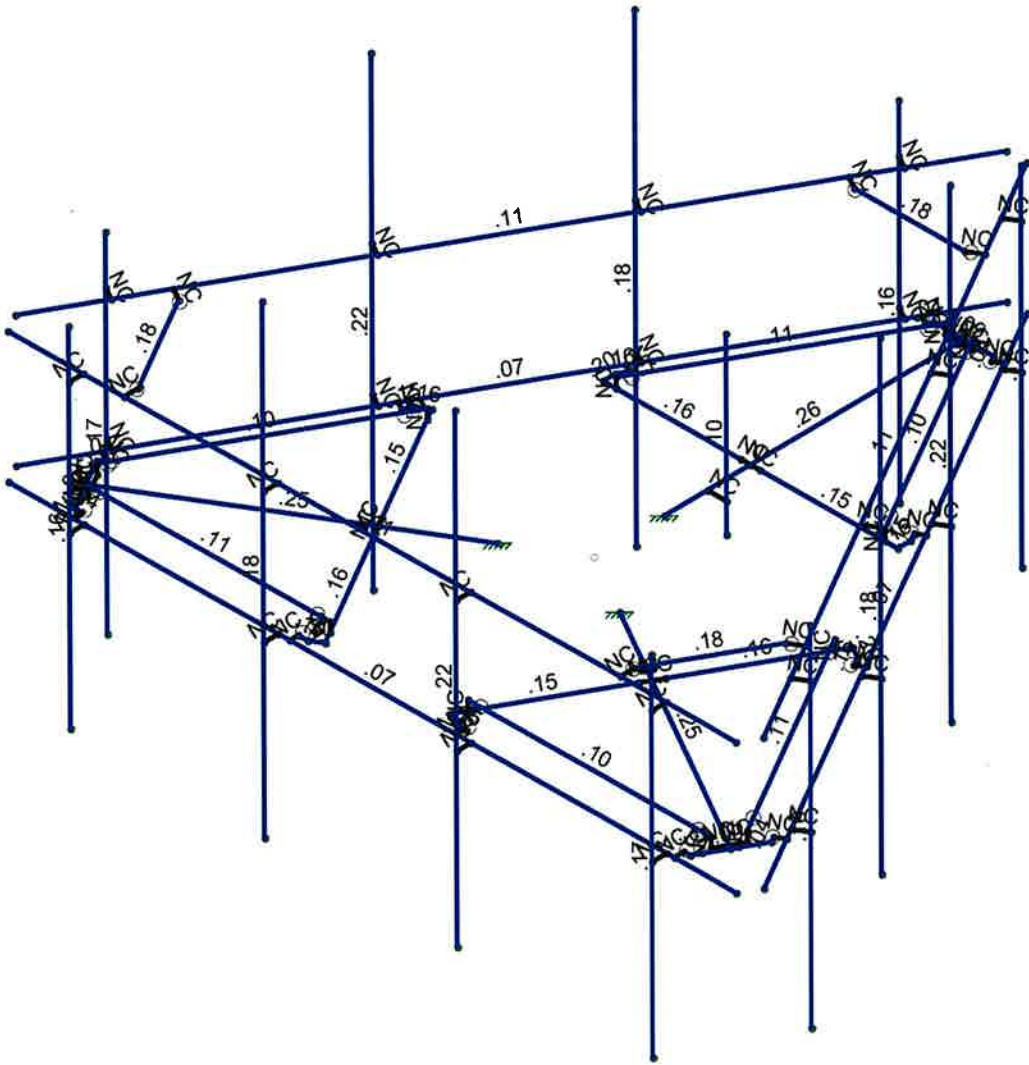
SK - 1

July 20, 2022 at 10:46 AM

467929-VZW_MT_LO_H.r3d

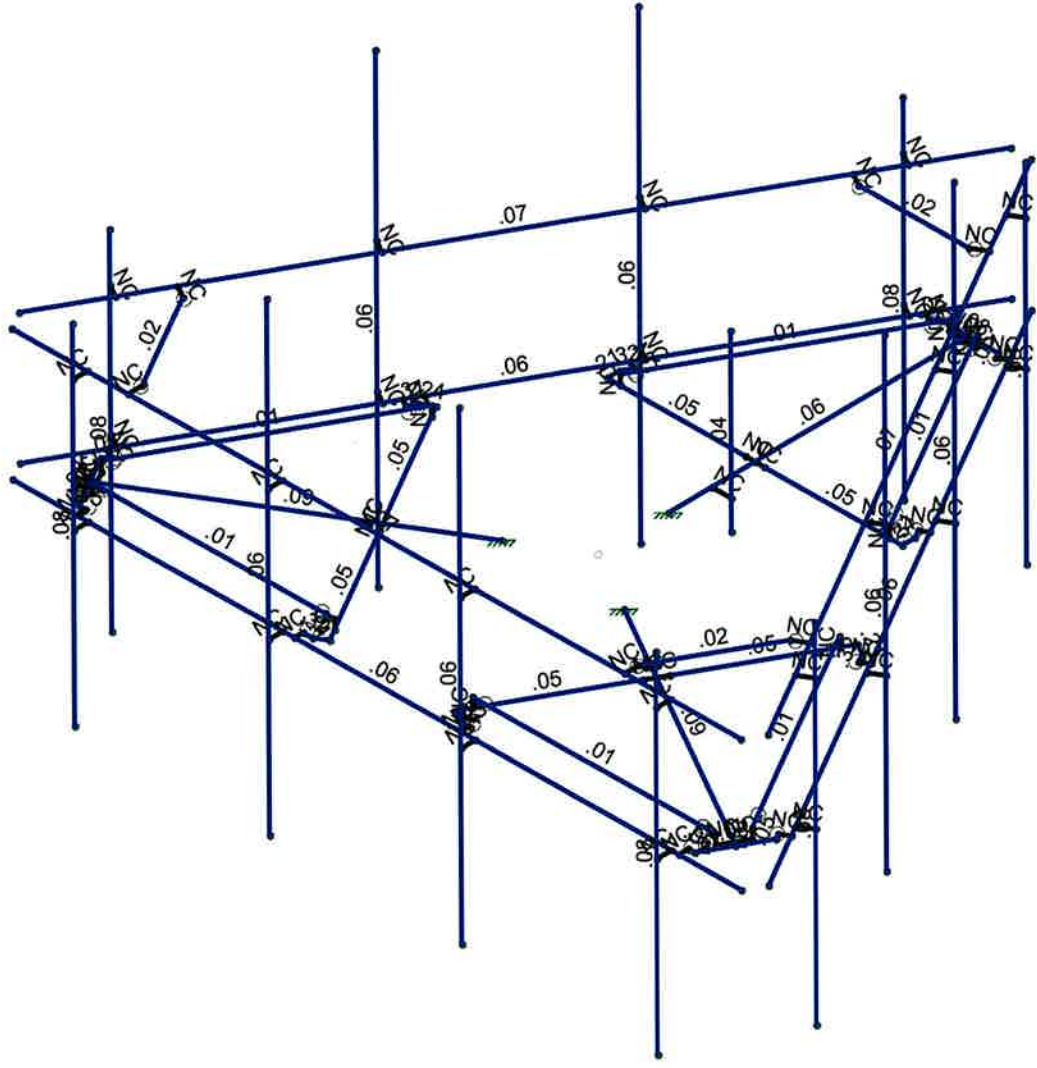
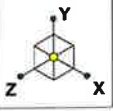
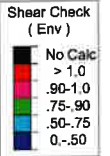


Code Check (Env)	
Black	No Calc
Red	> 1.0
Orange	.90-1.0
Yellow	.75-.90
Green	.50-.75
Blue	0-.50



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Mount Fix	SK - 2
NL		July 20, 2022 at 10:47 AM
2177768A		467929-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Mount Fix	SK - 3
NL		July 20, 2022 at 10:47 AM
2177768A		467929-VZW_MT_LO_H.r3d

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

July 20, 2022
 10:47 AM
 Checked By: DX

Basic Load Cases

	BLC Description	Category	X Grav...	Y Grav...	Z Grav...	Joint	Point	Distrib...	Area(M...	Surfac...
1	Antenna D	None					75			
2	Antenna Di	None					75			
3	Antenna Wo (0 Deg)	None					75			
4	Antenna Wo (30 Deg)	None					75			
5	Antenna Wo (60 Deg)	None					75			
6	Antenna Wo (90 Deg)	None					75			
7	Antenna Wo (120 Deg)	None					75			
8	Antenna Wo (150 Deg)	None					75			
9	Antenna Wo (180 Deg)	None					75			
10	Antenna Wo (210 Deg)	None					75			
11	Antenna Wo (240 Deg)	None					75			
12	Antenna Wo (270 Deg)	None					75			
13	Antenna Wo (300 Deg)	None					75			
14	Antenna Wo (330 Deg)	None					75			
15	Antenna Wi (0 Deg)	None					75			
16	Antenna Wi (30 Deg)	None					75			
17	Antenna Wi (60 Deg)	None					75			
18	Antenna Wi (90 Deg)	None					75			
19	Antenna Wi (120 Deg)	None					75			
20	Antenna Wi (150 Deg)	None					75			
21	Antenna Wi (180 Deg)	None					75			
22	Antenna Wi (210 Deg)	None					75			
23	Antenna Wi (240 Deg)	None					75			
24	Antenna Wi (270 Deg)	None					75			
25	Antenna Wi (300 Deg)	None					75			
26	Antenna Wi (330 Deg)	None					75			
27	Antenna Wm (0 Deg)	None					75			
28	Antenna Wm (30 Deg)	None					75			
29	Antenna Wm (60 Deg)	None					75			
30	Antenna Wm (90 Deg)	None					75			
31	Antenna Wm (120 Deg)	None					75			
32	Antenna Wm (150 Deg)	None					75			
33	Antenna Wm (180 Deg)	None					75			
34	Antenna Wm (210 Deg)	None					75			
35	Antenna Wm (240 Deg)	None					75			
36	Antenna Wm (270 Deg)	None					75			
37	Antenna Wm (300 Deg)	None					75			
38	Antenna Wm (330 Deg)	None					75			
39	Structure D	None		-1					3	
40	Structure Di	None						58	3	
41	Structure Wo (0 Deg)	None						116		
42	Structure Wo (30 Deg)	None						116		
43	Structure Wo (60 Deg)	None						116		
44	Structure Wo (90 Deg)	None						116		
45	Structure Wo (120 Deg)	None						116		
46	Structure Wo (150 Deg)	None						116		
47	Structure Wo (180 Deg)	None						116		
48	Structure Wo (210 Deg)	None						116		
49	Structure Wo (240 Deg)	None						116		
50	Structure Wo (270 Deg)	None						116		
51	Structure Wo (300 Deg)	None						116		
52	Structure Wo (330 Deg)	None						116		
53	Structure Wi (0 Deg)	None						116		
54	Structure Wi (30 Deg)	None						116		
55	Structure Wi (60 Deg)	None						116		
56	Structure Wi (90 Deg)	None						116		

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

July 20, 2022
 10:47 AM
 Checked By: DX

Basic Load Cases (Continued)

	BLC Description	Category	X Grav...	Y Grav...	Z Grav...	Joint	Point	Distrib...	Area(M... Surfac...
57	Structure Wi (120 Deg)	None						116	
58	Structure Wi (150 Deg)	None						116	
59	Structure Wi (180 Deg)	None						116	
60	Structure Wi (210 Deg)	None						116	
61	Structure Wi (240 Deg)	None						116	
62	Structure Wi (270 Deg)	None						116	
63	Structure Wi (300 Deg)	None						116	
64	Structure Wi (330 Deg)	None						116	
65	Structure Wm (0 Deg)	None						116	
66	Structure Wm (30 Deg)	None						116	
67	Structure Wm (60 Deg)	None						116	
68	Structure Wm (90 Deg)	None						116	
69	Structure Wm (120 Deg)	None						116	
70	Structure Wm (150 Deg)	None						116	
71	Structure Wm (180 Deg)	None						116	
72	Structure Wm (210 Deg)	None						116	
73	Structure Wm (240 Deg)	None						116	
74	Structure Wm (270 Deg)	None						116	
75	Structure Wm (300 Deg)	None						116	
76	Structure Wm (330 Deg)	None						116	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	Antenna Ev	None					75		
82	Antenna Eh (0 Deg)	None					50		
83	Antenna Eh (90 Deg)	None					50		
84	Structure Ev	ELY							3
85	Structure Eh (0 Deg)	ELZ			-03				3
86	Structure Eh (90 Deg)	ELX	.03						3
87	BLC 39 Transient Area Loads	None						30	
88	BLC 40 Transient Area Loads	None						30	
89	BLC 84 Transient Area Loads	None							
90	BLC 85 Transient Area Loads	None						30	
91	BLC 86 Transient Area Loads	None						30	

Load Combinations

	Description	Solve P...	S...	B...	Fa...	B...	Fa...	BLC Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Yes	Y	1	1.2	39	1.2	3	1	41	1									
2	1.2D+1.0Wo (30 Deg)	Yes	Y	1	1.2	39	1.2	4	1	42	1									
3	1.2D+1.0Wo (60 Deg)	Yes	Y	1	1.2	39	1.2	5	1	43	1									
4	1.2D+1.0Wo (90 Deg)	Yes	Y	1	1.2	39	1.2	6	1	44	1									
5	1.2D+1.0Wo (120 Deg)	Yes	Y	1	1.2	39	1.2	7	1	45	1									
6	1.2D+1.0Wo (150 Deg)	Yes	Y	1	1.2	39	1.2	8	1	46	1									
7	1.2D+1.0Wo (180 Deg)	Yes	Y	1	1.2	39	1.2	9	1	47	1									
8	1.2D+1.0Wo (210 Deg)	Yes	Y	1	1.2	39	1.2	10	1	48	1									
9	1.2D+1.0Wo (240 Deg)	Yes	Y	1	1.2	39	1.2	11	1	49	1									
10	1.2D+1.0Wo (270 Deg)	Yes	Y	1	1.2	39	1.2	12	1	50	1									
11	1.2D+1.0Wo (300 Deg)	Yes	Y	1	1.2	39	1.2	13	1	51	1									
12	1.2D+1.0Wo (330 Deg)	Yes	Y	1	1.2	39	1.2	14	1	52	1									
13	1.2D + 1.0Di + 1.0Wi (0...	Yes	Y	1	1.2	39	1.2	2	1	40	1	15	1	53	1					
14	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y	1	1.2	39	1.2	2	1	40	1	16	1	54	1					
15	1.2D + 1.0Di + 1.0Wi (6...	Yes	Y	1	1.2	39	1.2	2	1	40	1	17	1	55	1					
16	1.2D + 1.0Di + 1.0Wi (9...	Yes	Y	1	1.2	39	1.2	2	1	40	1	18	1	56	1					
17	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y	1	1.2	39	1.2	2	1	40	1	19	1	57	1					

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

July 20, 2022
 10:47 AM
 Checked By: DX

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
18	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										
24	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										
25	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1												
26	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1												
27	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1												
28	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1												
29	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1												
30	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1												
31	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1												
32	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1												
33	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1												
34	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1												
35	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1												
36	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1												
37	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1												
38	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1												
39	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1												
40	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1												
41	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1												
42	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1												
43	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1												
44	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1												
45	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1												
46	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1												
47	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1												
48	1.2D + 1.5Lm2 + 1.0W...	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 + 1.0Eh (0...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		ELZ	1	E...							
53	1.2D + 1.0Ev + 1.0Eh (3...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	ELZ	.866	E...	.5						
54	1.2D + 1.0Ev + 1.0Eh (6...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	ELZ	.5	E...	.866						
55	1.2D + 1.0Ev + 1.0Eh (9...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	ELZ		E...	1						
56	1.2D + 1.0Ev + 1.0Eh (1...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	ELZ	-.5	E...	.866						
57	1.2D + 1.0Ev + 1.0Eh (1...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	.5	ELZ	-.866	E...	.5						
58	1.2D + 1.0Ev + 1.0Eh (1...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		ELZ	-1	E...							
59	1.2D + 1.0Ev + 1.0Eh (2...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	-.5	ELZ	-.866	E...	-.5						
60	1.2D + 1.0Ev + 1.0Eh (2...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.866	ELZ	-.5	E...	-.866						
61	1.2D + 1.0Ev + 1.0Eh (2...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	ELZ		E...	-1						
62	1.2D + 1.0Ev + 1.0Eh (3...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.866	ELZ	.5	E...	-.866						
63	1.2D + 1.0Ev + 1.0Eh (3...	Yes	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 (0...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		ELZ	1	E...							
65	0.9D - 1.0Ev + 1.0Eh (3...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	ELZ	.866	E...	.5						
66	0.9D - 1.0Ev + 1.0Eh (6...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	ELZ	.5	E...	.866						
67	0.9D - 1.0Ev + 1.0Eh (9...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	ELZ		E...	1						
68	0.9D - 1.0Ev + 1.0Eh (1...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	ELZ	-.5	E...	.866						
69	0.9D - 1.0Ev + 1.0Eh (1...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	.5	ELZ	-.866	E...	.5						
70	0.9D - 1.0Ev + 1.0Eh (1...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		ELZ	-1	E...							
71	0.9D - 1.0Ev + 1.0Eh (2...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	-.5	ELZ	-.866	E...	-.5						
72	0.9D - 1.0Ev + 1.0Eh (2...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.866	ELZ	-.5	E...	-.866						
73	0.9D - 1.0Ev + 1.0Eh (2...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	ELZ		E...	-1						
74	0.9D - 1.0Ev + 1.0Eh (3...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.866	ELZ	.5	E...	-.866						

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

July 20, 2022
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 Checked By: DX

Load Combinations (Continued)

	Description	Solve P...	S...	B...	Fa...	B...	Fa...	BLC Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	
75	0.9D - 1.0Ev + 1.0Eh (3...	Yes	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	N1	6.25	0	3.810523	0	
2	N2	-6.25	0	3.810523	0	
3	N3	0	0	-1.208333	0	
4	N5	-2.541667	0	-2.708333	0	
5	N6	2.315104	0.166667	-2.708333	0	
6	N7	-2.315104	0.166667	-2.708333	0	
7	N8	-1.625	0	3.810523	0	
8	N9	-1.625	0	4.060523	0	
9	N10	-4.958333	0	3.810523	0	
10	N11	-4.958333	0	4.060523	0	
11	N12	1.6875	0	3.810523	0	
12	N13	1.6875	0	4.060523	0	
13	N14	5.041667	0	3.810523	0	
14	N15	5.041667	0	4.060523	0	
15	N16	-1.625	-2.916667	4.060523	0	
16	N17	-1.625	5.083333	4.060523	0	
17	N18	-4.958333	-2.916667	4.060523	0	
18	N19	-4.958333	3.083333	4.060523	0	
19	N20	1.6875	-2.916667	4.060523	0	
20	N21	1.6875	5.083333	4.060523	0	
21	N22	5.041667	-2.916667	4.060523	0	
22	N23	5.041667	3.083333	4.060523	0	
23	N24	0	0	-2.708333	0	
24	N27	0	0	-6.395833	0	
25	CP	0	0	0	0	
26	N29	2.315104	0	-2.708333	0	
27	N30	-2.315104	0	-2.708333	0	
28	N101	2.541667	0	-2.708333	0	
29	N102	-0.166667	0	-2.708333	0	
30	N103A	0.166667	0	-2.708333	0	
31	N104A	-2.541667	0	-2.927083	0	
32	N105	2.541667	0	-2.927083	0	
33	N131	2.458333	0	-3.071421	0	
34	N135	0.571615	0	-6.298857	0	
35	N144	-2.458333	0	-3.071421	0	
36	N148	-0.571615	0	-6.298857	0	
37	N86A	2.584629	0	-3.144338	0	
38	N86B	-2.584629	0	-3.144338	0	
39	N86C	-0.515625	0	-6.395833	0	
40	N87A	0.515625	0	-6.395833	0	
41	N86D	0.715429	0	-6.381888	0	
42	N86E	-0.715429	0	-6.381888	0	
43	N88A	0	0	-6.3125	0	
44	N87C	0.234238	0.166667	-6.3125	0	
45	N86G	0.234238	0	-6.3125	0	
46	N87B	-0.234238	0.166667	-6.3125	0	
47	N88C	-0.234238	0	-6.3125	0	
48	N87D	-1.046447	0	0.604167	0	
49	N88B	-1.074652	0	3.555315	0	
50	N89	-3.503038	0.166667	-0.650772	0	
51	N90	-1.187933	0.166667	3.359106	0	

Company : Maser Consulting
 Designer : NL
 Job Number : 2177768A
 Model Name : Mount Fix

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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N91	-2.345485	0	1.354167	0	
53	N92	-5.538954	0	3.197917	0	
54	N93	-3.503038	0	-0.650772	0	
55	N94	-1.187933	0	3.359106	0	
56	N95	-3.616319	0	-0.846981	0	
57	N96	-2.262152	0	1.498504	0	
58	N97	-2.428819	0	1.209829	0	
59	N98	-1.264095	0	3.66469	0	
60	N99	-3.805762	0	-0.737606	0	
61	N100	-3.889095	0	-0.593269	0	
62	N101A	-5.740777	0	2.654396	0	
63	N102A	-1.430762	0	3.66469	0	
64	N103	-5.169162	0	3.644461	0	
65	N104	-4.015391	0	-0.666185	0	
66	N105A	-1.430762	0	3.810523	0	
67	N106	-5.281142	0	3.644461	0	
68	N107	-5.796767	0	2.751372	0	
69	N108	-5.884591	0	2.571364	0	
70	N109	-5.169162	0	3.810523	0	
71	N110	-5.466785	0	3.15625	0	
72	N111	-5.583904	0.166667	2.953394	0	
73	N112	-5.583904	0	2.953394	0	
74	N113	-5.349667	0.166667	3.359106	0	
75	N114	-5.349667	0	3.359106	0	
76	N115	1.046447	0	0.604167	0	
77	N116	3.616319	0	-0.846981	0	
78	N117	1.187933	0.166667	3.359106	0	
79	N118	3.503038	0.166667	-0.650772	0	
80	N119	2.345485	0	1.354167	0	
81	N120	5.538954	0	3.197917	0	
82	N121	1.187933	0	3.359106	0	
83	N122	3.503038	0	-0.650772	0	
84	N123	1.074652	0	3.555315	0	
85	N124	2.428819	0	1.209829	0	
86	N125	2.262152	0	1.498504	0	
87	N126	3.805762	0	-0.737606	0	
88	N127	1.264095	0	3.66469	0	
89	N128	1.430762	0	3.66469	0	
90	N129	5.169162	0	3.644461	0	
91	N130	3.889095	0	-0.593269	0	
92	N131A	5.740777	0	2.654396	0	
93	N132	1.430762	0	3.810523	0	
94	N133	4.015391	0	-0.666186	0	
95	N134	5.796767	0	2.751372	0	
96	N135A	5.281142	0	3.644461	0	
97	N136	5.169162	0	3.810523	0	
98	N137	5.884591	0	2.571364	0	
99	N138	5.466785	0	3.15625	0	
100	N139	5.349667	0.166667	3.359106	0	
101	N140	5.349667	0	3.359106	0	
102	N141	5.583904	0.166667	2.953394	0	
103	N142	5.583904	0	2.953394	0	
104	N104B	0.17501	0	-7.31792	0	
105	N105B	6.42501	0	3.507397	0	
106	N124A	-6.42501	0	3.507397	0	
107	N125A	-0.17501	0	-7.31792	0	
108	N108A	0.779177	0	-6.271473	0	

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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 Checked By: DX

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
109	N109A	0.995683	0	-6.396473	0	
110	N110A	5.779177	0	2.388781	0	
111	N111A	5.995683	0	2.263781	0	
112	N118A	5.995683	-2.916667	2.263781	0	
113	N119A	5.995683	3.083333	2.263781	0	
114	N122A	0.995683	-2.916667	-6.396473	0	
115	N123A	0.995683	3.083333	-6.396473	0	
116	N125B	-5.820843	0	2.46095	0	
117	N126A	-6.03735	0	2.33595	0	
118	N127A	-0.820843	0	-6.199304	0	
119	N128A	-1.03735	0	-6.324304	0	
120	N135B	-1.03735	-2.916667	-6.324304	0	
121	N136A	-1.03735	3.083333	-6.324304	0	
122	N139A	-6.03735	-2.916667	2.33595	0	
123	N140A	-6.03735	3.083333	2.33595	0	
124	N140B	0	0	-1.958333	0	
125	N141A	0.333333	0	-1.958333	0	
126	N142A	0.333333	2.5	-1.958333	0	
127	N143	0.333333	-5	-1.958333	0	
128	N144A	6.25	2.25	3.810523	0	
129	N145	-6.25	2.25	3.810523	0	
130	N146	-1.625	2.25	3.810523	0	
131	N147	-1.625	2.25	4.060523	0	
132	N148A	-4.958333	2.25	3.810523	0	
133	N149	-4.958333	2.25	4.060523	0	
134	N150	1.6875	2.25	3.810523	0	
135	N151	1.6875	2.25	4.060523	0	
136	N152	5.041667	2.25	3.810523	0	
137	N153	5.041667	2.25	4.060523	0	
138	N155	0.17501	2.25	-7.31792	0	
139	N156	6.42501	2.25	3.507397	0	
140	N159	5.779177	2.25	2.388781	0	
141	N160	5.995683	2.25	2.263781	0	
142	N163	0.779176	2.25	-6.271473	0	
143	N164	0.995683	2.25	-6.396473	0	
144	N166	-6.42501	2.25	3.507397	0	
145	N167	-0.17501	2.25	-7.31792	0	
146	N170	-0.820843	2.25	-6.199304	0	
147	N171	-1.03735	2.25	-6.324304	0	
148	N174	-5.820843	2.25	2.46095	0	
149	N175	-6.03735	2.25	2.33595	0	
150	N174A	-4.257333	2.25	3.810523	0	
151	N175A	-4.257333	2.25	3.560523	0	
152	N176	4.257333	2.25	3.810523	0	
153	N177	4.257333	2.25	3.560523	0	
154	N178	5.428677	2.25	1.781697	0	
155	N179	5.21217	2.25	1.906697	0	
156	N180	1.171343	2.25	-5.59222	0	
157	N181	0.954837	2.25	-5.46722	0	
158	N182	-1.171343	2.25	-5.59222	0	
159	N183	-0.954837	2.25	-5.46722	0	
160	N184	-5.428677	2.25	1.781697	0	
161	N185	-5.21217	2.25	1.906697	0	
162	N162	4.11251	0	-0.49797	0	
163	N163A	4.329016	0	-0.62297	0	
164	N164A	2.45626	0	-3.366679	0	
165	N165	2.672766	0	-3.49168	0	

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

July 20, 2022
 10:47 AM
 Checked By: DX

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
166	N166A	4.329016	-2.916667	-0.62297	0	
167	N167A	4.329016	5.083333	-0.62297	0	
168	N168	2.672766	-2.916667	-3.49168	0	
169	N169	2.672766	5.083333	-3.49168	0	
170	N171A	4.11251	2.25	-0.49797	0	
171	N172	4.329016	2.25	-0.62297	0	
172	N173	2.45626	2.25	-3.366679	0	
173	N174B	2.672766	2.25	-3.49168	0	
174	N175B	-2.48751	0	-3.312553	0	
175	N176A	-2.704016	0	-3.437553	0	
176	N177A	-4.14376	0	-0.443844	0	
177	N178A	-4.360266	0	-0.568844	0	
178	N179A	-2.704016	-2.916667	-3.437553	0	
179	N180A	-2.704016	5.083333	-3.437553	0	
180	N181A	-4.360266	-2.916667	-0.568844	0	
181	N182A	-4.360266	5.083333	-0.568844	0	
182	N184A	-2.48751	2.25	-3.312553	0	
183	N185A	-2.704016	2.25	-3.437553	0	
184	N186	-4.14376	2.25	-0.443844	0	
185	N187	-4.360266	2.25	-0.568844	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL 1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossme...	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Dual MP	PIPE 2.5	Column	RECT	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail	PIPE 2.5	Column	RECT	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Support Connection	L3X3X4	Column	RECT	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/f...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical

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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
6	M21	N12	N13			RIGID	None	None	RIGID	Typical
7	M22	N14	N15			RIGID	None	None	RIGID	Typical
8	MP3A	N17	N16			Dual MP	Column	RECT	A53 Gr.B	Typical
9	MP4A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	MP2A	N21	N20			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
12	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
13	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
14	M35A	N7	N30			RIGID	None	None	RIGID	Typical
15	M36A	N6	N29			RIGID	None	None	RIGID	Typical
16	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
17	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
18	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
19	M58	N102	N24			RIGID	None	None	RIGID	Typical
20	M59	N24	N103A			RIGID	None	None	RIGID	Typical
21	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
23	M79	N131	N86A			RIGID	None	None	RIGID	Typical
24	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
25	M83	N135	N86D			RIGID	None	None	RIGID	Typical
26	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
27	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
28	M88	N144	N86B			RIGID	None	None	RIGID	Typical
29	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
30	M92	N148	N86E			RIGID	None	None	RIGID	Typical
31	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
32	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
33	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
34	M52A	N87D	N92			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
35	M53	N95	N97			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
36	M54	N96	N88B			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
37	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr.36	Typical
38	M56	N90	N94			RIGID	None	None	RIGID	Typical
39	M57	N89	N93			RIGID	None	None	RIGID	Typical
40	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
41	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
42	M60	N113	N114			RIGID	None	None	RIGID	Typical
43	M61	N96	N91			RIGID	None	None	RIGID	Typical
44	M62	N91	N97			RIGID	None	None	RIGID	Typical
45	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
47	M65	N100	N104			RIGID	None	None	RIGID	Typical
48	M66	N107	N101A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
49	M67	N101A	N108			RIGID	None	None	RIGID	Typical
50	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
51	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
52	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
53	M71	N106	N103			Corner Plate	Beam	BAR	A36 Gr.36	Typical
54	M72	N103	N109			RIGID	None	None	RIGID	Typical
55	M73	N114	N110			RIGID	None	None	RIGID	Typical
56	M74	N110	N112			RIGID	None	None	RIGID	Typical
57	M75	N111	N112			RIGID	None	None	RIGID	Typical
58	M76A	N115	N120			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
59	M77A	N123	N125			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
60	M78	N124	N116			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
61	M79A	N134	N135A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
62	M80A	N118	N122			RIGID	None	None	RIGID	Typical

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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
63	M81	N117	N121			RIGID	None	None	RIGID	Typical
64	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
65	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
66	M84A	N141	N142			RIGID	None	None	RIGID	Typical
67	M85A	N124	N119			RIGID	None	None	RIGID	Typical
68	M86	N119	N125			RIGID	None	None	RIGID	Typical
69	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
70	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
71	M89	N128	N132			RIGID	None	None	RIGID	Typical
72	M90	N135A	N129			Corner Plate	Beam	BAR	A36 Gr.36	Typical
73	M91A	N129	N136			RIGID	None	None	RIGID	Typical
74	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
75	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
76	M94	N130	N133			RIGID	None	None	RIGID	Typical
77	M95	N134	N131A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
78	M96	N131A	N137			RIGID	None	None	RIGID	Typical
79	M97	N142	N138			RIGID	None	None	RIGID	Typical
80	M98	N138	N140			RIGID	None	None	RIGID	Typical
81	M99	N139	N140			RIGID	None	None	RIGID	Typical
82	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
83	M91B	N124A	N125A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
84	M84B	N108A	N109A			RIGID	None	None	RIGID	Typical
85	M85B	N110A	N111A			RIGID	None	None	RIGID	Typical
86	MP4C	N119A	N118A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
87	MP1C	N123A	N122A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	M92B	N125B	N126A			RIGID	None	None	RIGID	Typical
89	M93A	N127A	N128A			RIGID	None	None	RIGID	Typical
90	MP4B	N136A	N135B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	MP1B	N140A	N139A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M100	N141A	N140B			RIGID	None	None	RIGID	Typical
93	OVP	N142A	N143			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	M102	N144A	N145			Support Rail	Column	RECT	A53 Gr.B	Typical
95	M103	N146	N147			RIGID	None	None	RIGID	Typical
96	M104	N148A	N149			RIGID	None	None	RIGID	Typical
97	M105	N150	N151			RIGID	None	None	RIGID	Typical
98	M106	N152	N153			RIGID	None	None	RIGID	Typical
99	M107	N155	N156			Support Rail	Column	RECT	A53 Gr.B	Typical
100	M109	N159	N160			RIGID	None	None	RIGID	Typical
101	M111	N163	N164			RIGID	None	None	RIGID	Typical
102	M112	N166	N167			Support Rail	Column	RECT	A53 Gr.B	Typical
103	M114	N170	N171			RIGID	None	None	RIGID	Typical
104	M116	N174	N175			RIGID	None	None	RIGID	Typical
105	M117	N174A	N175A			RIGID	None	None	RIGID	Typical
106	M118	N176	N177			RIGID	None	None	RIGID	Typical
107	M119	N178	N179			RIGID	None	None	RIGID	Typical
108	M120	N180	N181			RIGID	None	None	RIGID	Typical
109	M121	N182	N183			RIGID	None	None	RIGID	Typical
110	M122	N184	N185			RIGID	None	None	RIGID	Typical
111	M123	N183	N181		90	Support Conn...	Column	RECT	A36 Gr.36	Typical
112	M124	N179	N177		90	Support Conn...	Column	RECT	A36 Gr.36	Typical
113	M125	N175A	N185		90	Support Conn...	Column	RECT	A36 Gr.36	Typical
114	M114A	N162	N163A			RIGID	None	None	RIGID	Typical
115	M115	N164A	N165			RIGID	None	None	RIGID	Typical
116	MP3C	N167A	N166A			Dual MP	Column	RECT	A53 Gr.B	Typical
117	MP2C	N169	N168			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
118	M118A	N171A	N172			RIGID	None	None	RIGID	Typical
119	M119A	N173	N174B			RIGID	None	None	RIGID	Typical

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	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
120	M120A	N175B	N176A			RIGID	None	None	RIGID	Typical
121	M121A	N177A	N178A			RIGID	None	None	RIGID	Typical
122	MP3B	N180A	N179A			Dual MP	Column	RECT	A53 Gr.B	Typical
123	MP2B	N182A	N181A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
124	M124A	N184A	N185A			RIGID	None	None	RIGID	Typical
125	M125A	N186	N187			RIGID	None	None	RIGID	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	M1						Yes	Default			None
2	M4						Yes				None
3	M10						Yes	Default			None
4	M19						Yes	** NA **			None
5	M20						Yes	** NA **			None
6	M21						Yes	** NA **			None
7	M22						Yes	** NA **			None
8	MP3A						Yes	** NA **			None
9	MP4A						Yes	** NA **			None
10	MP2A						Yes	** NA **			None
11	MP1A						Yes	** NA **			None
12	M43						Yes	Default			None
13	M46						Yes	Default			None
14	M35A						Yes	** NA **			None
15	M36A						Yes	** NA **			None
16	M51B	OOOOOX	OOOOOX				Yes	Default			None
17	M52B	OOOOOX	OOOOOX				Yes	Default			None
18	M52						Yes	** NA **			None
19	M58						Yes	** NA **			None
20	M59						Yes	** NA **			None
21	M76						Yes	** NA **			None
22	M77						Yes	** NA **			None
23	M79		BenPIN				Yes	** NA **			None
24	M80						Yes				None
25	M83		BenPIN				Yes	** NA **			None
26	M84						Yes	** NA **			None
27	M85						Yes	** NA **			None
28	M88		BenPIN				Yes	** NA **			None
29	M91						Yes				None
30	M92		BenPIN				Yes	** NA **			None
31	M50						Yes	** NA **			None
32	M51						Yes	** NA **			None
33	M51A						Yes	** NA **			None
34	M52A						Yes				None
35	M53						Yes	Default			None
36	M54						Yes	Default			None
37	M55						Yes	Default			None
38	M56						Yes	** NA **			None
39	M57						Yes	** NA **			None
40	M58A	OOOOOX	OOOOOX				Yes	Default			None
41	M59A	OOOOOX	OOOOOX				Yes	Default			None
42	M60						Yes	** NA **			None
43	M61						Yes	** NA **			None
44	M62						Yes	** NA **			None
45	M63						Yes	** NA **			None
46	M64						Yes	** NA **			None

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Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
47	M65		BenPIN				Yes	** NA **			None
48	M66						Yes				None
49	M67		BenPIN				Yes	** NA **			None
50	M68						Yes	** NA **			None
51	M69						Yes	** NA **			None
52	M70		BenPIN				Yes	** NA **			None
53	M71						Yes				None
54	M72		BenPIN				Yes	** NA **			None
55	M73						Yes	** NA **			None
56	M74						Yes	** NA **			None
57	M75						Yes	** NA **			None
58	M76A						Yes				None
59	M77A						Yes	Default			None
60	M78						Yes	Default			None
61	M79A						Yes	Default			None
62	M80A						Yes	** NA **			None
63	M81						Yes	** NA **			None
64	M82	OOOOOX	OOOOOX				Yes	Default			None
65	M83A	OOOOOX	OOOOOX				Yes	Default			None
66	M84A						Yes	** NA **			None
67	M85A						Yes	** NA **			None
68	M86						Yes	** NA **			None
69	M87						Yes	** NA **			None
70	M88A						Yes	** NA **			None
71	M89		BenPIN				Yes	** NA **			None
72	M90						Yes				None
73	M91A		BenPIN				Yes	** NA **			None
74	M92A						Yes	** NA **			None
75	M93						Yes	** NA **			None
76	M94		BenPIN				Yes	** NA **			None
77	M95						Yes				None
78	M96		BenPIN				Yes	** NA **			None
79	M97						Yes	** NA **			None
80	M98						Yes	** NA **			None
81	M99						Yes	** NA **			None
82	M82A						Yes	Default			None
83	M91B						Yes	Default			None
84	M84B						Yes	** NA **			None
85	M85B						Yes	** NA **			None
86	MP4C						Yes	** NA **			None
87	MP1C						Yes	** NA **			None
88	M92B						Yes	** NA **			None
89	M93A						Yes	** NA **			None
90	MP4B						Yes	** NA **			None
91	MP1B						Yes	** NA **			None
92	M100						Yes	** NA **			None
93	OVP						Yes	** NA **			None
94	M102						Yes	** NA **			None
95	M103						Yes	** NA **			None
96	M104						Yes	** NA **			None
97	M105						Yes	** NA **			None
98	M106						Yes	** NA **			None
99	M107						Yes	** NA **			None
100	M109						Yes	** NA **			None
101	M111						Yes	** NA **			None
102	M112						Yes	** NA **			None
103	M114						Yes	** NA **			None

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Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
104	M116						Yes	** NA **			None
105	M117	OOOOOX					Yes	** NA **			None
106	M118	OOOOOX					Yes	** NA **			None
107	M119	OOOOOX					Yes	** NA **			None
108	M120	OOOOOX					Yes	** NA **			None
109	M121	OOOOOX					Yes	** NA **			None
110	M122	OOOOOX					Yes	** NA **			None
111	M123						Yes	** NA **			None
112	M124						Yes	** NA **			None
113	M125						Yes	** NA **			None
114	M114A						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	MP3C						Yes	** NA **			None
117	MP2C						Yes	** NA **			None
118	M118A						Yes	** NA **			None
119	M119A						Yes	** NA **			None
120	M120A						Yes	** NA **			None
121	M121A						Yes	** NA **			None
122	MP3B						Yes	** NA **			None
123	MP2B						Yes	** NA **			None
124	M124A						Yes	** NA **			None
125	M125A						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-23	2.33
2	MP3A	My	0	2.33
3	MP3A	Mz	.017	2.33
4	MP3A	Y	-23	6.33
5	MP3A	My	0	6.33
6	MP3A	Mz	.017	6.33
7	MP3B	Y	-23	2.33
8	MP3B	My	-.015	2.33
9	MP3B	Mz	-.009	2.33
10	MP3B	Y	-23	6.33
11	MP3B	My	-.015	6.33
12	MP3B	Mz	-.009	6.33
13	MP3C	Y	-23	2.33
14	MP3C	My	.015	2.33
15	MP3C	Mz	-.009	2.33
16	MP3C	Y	-23	6.33
17	MP3C	My	.015	6.33
18	MP3C	Mz	-.009	6.33
19	MP3A	Y	-23	2.33
20	MP3A	My	0	2.33
21	MP3A	Mz	-.017	2.33
22	MP3A	Y	-23	6.33
23	MP3A	My	0	6.33
24	MP3A	Mz	-.017	6.33
25	MP3B	Y	-23	2.33
26	MP3B	My	.015	2.33
27	MP3B	Mz	.009	2.33
28	MP3B	Y	-23	6.33
29	MP3B	My	.015	6.33
30	MP3B	Mz	.009	6.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
31	MP3C	Y	-23	2.33
32	MP3C	My	-.015	2.33
33	MP3C	Mz	.009	2.33
34	MP3C	Y	-23	6.33
35	MP3C	My	-.015	6.33
36	MP3C	Mz	.009	6.33
37	MP2A	Y	-43.55	3.33
38	MP2A	My	-.022	3.33
39	MP2A	Mz	0	3.33
40	MP2A	Y	-43.55	5.33
41	MP2A	My	-.022	5.33
42	MP2A	Mz	0	5.33
43	MP2B	Y	-43.55	3.33
44	MP2B	My	.011	3.33
45	MP2B	Mz	-.019	3.33
46	MP2B	Y	-43.55	5.33
47	MP2B	My	.011	5.33
48	MP2B	Mz	-.019	5.33
49	MP2C	Y	-43.55	3.33
50	MP2C	My	.011	3.33
51	MP2C	Mz	.019	3.33
52	MP2C	Y	-43.55	5.33
53	MP2C	My	.011	5.33
54	MP2C	Mz	.019	5.33
55	MP3A	Y	-74.7	1.5
56	MP3A	My	.037	1.5
57	MP3A	Mz	0	1.5
58	MP3B	Y	-74.7	1.5
59	MP3B	My	-.019	1.5
60	MP3B	Mz	.032	1.5
61	MP3C	Y	-74.7	1.5
62	MP3C	My	-.019	1.5
63	MP3C	Mz	-.032	1.5
64	MP2A	Y	-70.3	1.5
65	MP2A	My	.035	1.5
66	MP2A	Mz	0	1.5
67	MP2B	Y	-70.3	1.5
68	MP2B	My	-.018	1.5
69	MP2B	Mz	.03	1.5
70	MP2C	Y	-70.3	1.5
71	MP2C	My	-.018	1.5
72	MP2C	Mz	-.03	1.5
73	OVP	Y	-32	1.5
74	OVP	My	-.016	1.5
75	OVP	Mz	0	1.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-79.477	2.33
2	MP3A	My	0	2.33
3	MP3A	Mz	.06	2.33
4	MP3A	Y	-79.477	6.33
5	MP3A	My	0	6.33
6	MP3A	Mz	.06	6.33
7	MP3B	Y	-79.477	2.33
8	MP3B	My	-.052	2.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
9	MP3B	Mz	-.03	2.33
10	MP3B	Y	-79.477	6.33
11	MP3B	My	-.052	6.33
12	MP3B	Mz	-.03	6.33
13	MP3C	Y	-79.477	2.33
14	MP3C	My	.052	2.33
15	MP3C	Mz	-.03	2.33
16	MP3C	Y	-79.477	6.33
17	MP3C	My	.052	6.33
18	MP3C	Mz	-.03	6.33
19	MP3A	Y	-79.477	2.33
20	MP3A	My	0	2.33
21	MP3A	Mz	-.06	2.33
22	MP3A	Y	-79.477	6.33
23	MP3A	My	0	6.33
24	MP3A	Mz	-.06	6.33
25	MP3B	Y	-79.477	2.33
26	MP3B	My	.052	2.33
27	MP3B	Mz	.03	2.33
28	MP3B	Y	-79.477	6.33
29	MP3B	My	.052	6.33
30	MP3B	Mz	.03	6.33
31	MP3C	Y	-79.477	2.33
32	MP3C	My	-.052	2.33
33	MP3C	Mz	.03	2.33
34	MP3C	Y	-79.477	6.33
35	MP3C	My	-.052	6.33
36	MP3C	Mz	.03	6.33
37	MP2A	Y	-34.287	3.33
38	MP2A	My	-.017	3.33
39	MP2A	Mz	0	3.33
40	MP2A	Y	-34.287	5.33
41	MP2A	My	-.017	5.33
42	MP2A	Mz	0	5.33
43	MP2B	Y	-34.287	3.33
44	MP2B	My	.009	3.33
45	MP2B	Mz	-.015	3.33
46	MP2B	Y	-34.287	5.33
47	MP2B	My	.009	5.33
48	MP2B	Mz	-.015	5.33
49	MP2C	Y	-34.287	3.33
50	MP2C	My	.009	3.33
51	MP2C	Mz	.015	3.33
52	MP2C	Y	-34.287	5.33
53	MP2C	My	.009	5.33
54	MP2C	Mz	.015	5.33
55	MP3A	Y	-43.204	1.5
56	MP3A	My	.022	1.5
57	MP3A	Mz	0	1.5
58	MP3B	Y	-43.204	1.5
59	MP3B	My	-.011	1.5
60	MP3B	Mz	.019	1.5
61	MP3C	Y	-43.204	1.5
62	MP3C	My	-.011	1.5
63	MP3C	Mz	-.019	1.5
64	MP2A	Y	-41.138	1.5
65	MP2A	My	.021	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
66	MP2A	Mz	0	1.5
67	MP2B	Y	-41.138	1.5
68	MP2B	My	-.01	1.5
69	MP2B	Mz	.018	1.5
70	MP2C	Y	-41.138	1.5
71	MP2C	Mv	-.01	1.5
72	MP2C	Mz	-.018	1.5
73	OVP	Y	-73.146	1.5
74	OVP	My	-.037	1.5
75	OVP	Mz	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	2.33
2	MP3A	Z	-88.948	2.33
3	MP3A	Mx	-.067	2.33
4	MP3A	X	0	6.33
5	MP3A	Z	-88.948	6.33
6	MP3A	Mx	-.067	6.33
7	MP3B	X	0	2.33
8	MP3B	Z	-72.165	2.33
9	MP3B	Mx	.027	2.33
10	MP3B	X	0	6.33
11	MP3B	Z	-72.165	6.33
12	MP3B	Mx	.027	6.33
13	MP3C	X	0	2.33
14	MP3C	Z	-72.165	2.33
15	MP3C	Mx	.027	2.33
16	MP3C	X	0	6.33
17	MP3C	Z	-72.165	6.33
18	MP3C	Mx	.027	6.33
19	MP3A	X	0	2.33
20	MP3A	Z	-88.948	2.33
21	MP3A	Mx	.067	2.33
22	MP3A	X	0	6.33
23	MP3A	Z	-88.948	6.33
24	MP3A	Mx	.067	6.33
25	MP3B	X	0	2.33
26	MP3B	Z	-72.165	2.33
27	MP3B	Mx	-.027	2.33
28	MP3B	X	0	6.33
29	MP3B	Z	-72.165	6.33
30	MP3B	Mx	-.027	6.33
31	MP3C	X	0	2.33
32	MP3C	Z	-72.165	2.33
33	MP3C	Mx	-.027	2.33
34	MP3C	X	0	6.33
35	MP3C	Z	-72.165	6.33
36	MP3C	Mx	-.027	6.33
37	MP2A	X	0	3.33
38	MP2A	Z	-73.716	3.33
39	MP2A	Mx	0	3.33
40	MP2A	X	0	5.33
41	MP2A	Z	-73.716	5.33
42	MP2A	Mx	0	5.33
43	MP2B	X	0	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
44	MP2B	Z	-37.469	3.33
45	MP2B	Mx	.016	3.33
46	MP2B	X	0	5.33
47	MP2B	Z	-37.469	5.33
48	MP2B	Mx	.016	5.33
49	MP2C	X	0	3.33
50	MP2C	Z	-37.469	3.33
51	MP2C	Mx	-.016	3.33
52	MP2C	X	0	5.33
53	MP2C	Z	-37.469	5.33
54	MP2C	Mx	-.016	5.33
55	MP3A	X	0	1.5
56	MP3A	Z	-58.296	1.5
57	MP3A	Mx	0	1.5
58	MP3B	X	0	1.5
59	MP3B	Z	-43.91	1.5
60	MP3B	Mx	-.019	1.5
61	MP3C	X	0	1.5
62	MP3C	Z	-43.91	1.5
63	MP3C	Mx	.019	1.5
64	MP2A	X	0	1.5
65	MP2A	Z	-58.296	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	-41.089	1.5
69	MP2B	Mx	-.018	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	-41.089	1.5
72	MP2C	Mx	.018	1.5
73	OVP	X	0	1.5
74	OVP	Z	-142.543	1.5
75	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	41.677	2.33
2	MP3A	Z	-72.186	2.33
3	MP3A	Mx	-.054	2.33
4	MP3A	X	41.677	6.33
5	MP3A	Z	-72.186	6.33
6	MP3A	Mx	-.054	6.33
7	MP3B	X	33.285	2.33
8	MP3B	Z	-57.651	2.33
9	MP3B	Mx	0	2.33
10	MP3B	X	33.285	6.33
11	MP3B	Z	-57.651	6.33
12	MP3B	Mx	0	6.33
13	MP3C	X	41.677	2.33
14	MP3C	Z	-72.186	2.33
15	MP3C	Mx	.054	2.33
16	MP3C	X	41.677	6.33
17	MP3C	Z	-72.186	6.33
18	MP3C	Mx	.054	6.33
19	MP3A	X	41.677	2.33
20	MP3A	Z	-72.186	2.33
21	MP3A	Mx	.054	2.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
22	MP3A	X	41.677	6.33
23	MP3A	Z	-72.186	6.33
24	MP3A	Mx	.054	6.33
25	MP3B	X	33.285	2.33
26	MP3B	Z	-57.651	2.33
27	MP3B	Mx	0	2.33
28	MP3B	X	33.285	6.33
29	MP3B	Z	-57.651	6.33
30	MP3B	Mx	0	6.33
31	MP3C	X	41.677	2.33
32	MP3C	Z	-72.186	2.33
33	MP3C	Mx	-.054	2.33
34	MP3C	X	41.677	6.33
35	MP3C	Z	-72.186	6.33
36	MP3C	Mx	-.054	6.33
37	MP2A	X	30.817	3.33
38	MP2A	Z	-53.376	3.33
39	MP2A	Mx	-.015	3.33
40	MP2A	X	30.817	5.33
41	MP2A	Z	-53.376	5.33
42	MP2A	Mx	-.015	5.33
43	MP2B	X	12.693	3.33
44	MP2B	Z	-21.986	3.33
45	MP2B	Mx	.013	3.33
46	MP2B	X	12.693	5.33
47	MP2B	Z	-21.986	5.33
48	MP2B	Mx	.013	5.33
49	MP2C	X	30.817	3.33
50	MP2C	Z	-53.376	3.33
51	MP2C	Mx	-.015	3.33
52	MP2C	X	30.817	5.33
53	MP2C	Z	-53.376	5.33
54	MP2C	Mx	-.015	5.33
55	MP3A	X	26.75	1.5
56	MP3A	Z	-46.333	1.5
57	MP3A	Mx	.013	1.5
58	MP3B	X	19.557	1.5
59	MP3B	Z	-33.874	1.5
60	MP3B	Mx	-.02	1.5
61	MP3C	X	26.75	1.5
62	MP3C	Z	-46.333	1.5
63	MP3C	Mx	.013	1.5
64	MP2A	X	26.28	1.5
65	MP2A	Z	-45.519	1.5
66	MP2A	Mx	.013	1.5
67	MP2B	X	17.677	1.5
68	MP2B	Z	-30.617	1.5
69	MP2B	Mx	-.018	1.5
70	MP2C	X	26.28	1.5
71	MP2C	Z	-45.519	1.5
72	MP2C	Mx	.013	1.5
73	OVP	X	65.247	1.5
74	OVP	Z	-113.012	1.5
75	OVP	Mx	-.033	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	62.496	2.33
2	MP3A	Z	-36.082	2.33
3	MP3A	Mx	-.027	2.33
4	MP3A	X	62.496	6.33
5	MP3A	Z	-36.082	6.33
6	MP3A	Mx	-.027	6.33
7	MP3B	X	62.496	2.33
8	MP3B	Z	-36.082	2.33
9	MP3B	Mx	-.027	2.33
10	MP3B	X	62.496	6.33
11	MP3B	Z	-36.082	6.33
12	MP3B	Mx	-.027	6.33
13	MP3C	X	77.031	2.33
14	MP3C	Z	-44.474	2.33
15	MP3C	Mx	.067	2.33
16	MP3C	X	77.031	6.33
17	MP3C	Z	-44.474	6.33
18	MP3C	Mx	.067	6.33
19	MP3A	X	62.496	2.33
20	MP3A	Z	-36.082	2.33
21	MP3A	Mx	.027	2.33
22	MP3A	X	62.496	6.33
23	MP3A	Z	-36.082	6.33
24	MP3A	Mx	.027	6.33
25	MP3B	X	62.496	2.33
26	MP3B	Z	-36.082	2.33
27	MP3B	Mx	.027	2.33
28	MP3B	X	62.496	6.33
29	MP3B	Z	-36.082	6.33
30	MP3B	Mx	.027	6.33
31	MP3C	X	77.031	2.33
32	MP3C	Z	-44.474	2.33
33	MP3C	Mx	-.067	2.33
34	MP3C	X	77.031	6.33
35	MP3C	Z	-44.474	6.33
36	MP3C	Mx	-.067	6.33
37	MP2A	X	32.449	3.33
38	MP2A	Z	-18.735	3.33
39	MP2A	Mx	-.016	3.33
40	MP2A	X	32.449	5.33
41	MP2A	Z	-18.735	5.33
42	MP2A	Mx	-.016	5.33
43	MP2B	X	32.449	3.33
44	MP2B	Z	-18.735	3.33
45	MP2B	Mx	.016	3.33
46	MP2B	X	32.449	5.33
47	MP2B	Z	-18.735	5.33
48	MP2B	Mx	.016	5.33
49	MP2C	X	63.84	3.33
50	MP2C	Z	-36.858	3.33
51	MP2C	Mx	0	3.33
52	MP2C	X	63.84	5.33
53	MP2C	Z	-36.858	5.33
54	MP2C	Mx	0	5.33
55	MP3A	X	38.027	1.5
56	MP3A	Z	-21.955	1.5
57	MP3A	Mx	.019	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP3B	X	38.027	1.5
59	MP3B	Z	-21.955	1.5
60	MP3B	Mx	-.019	1.5
61	MP3C	X	50.486	1.5
62	MP3C	Z	-29.148	1.5
63	MP3C	Mx	0	1.5
64	MP2A	X	35.584	1.5
65	MP2A	Z	-20.545	1.5
66	MP2A	Mx	.018	1.5
67	MP2B	X	35.584	1.5
68	MP2B	Z	-20.545	1.5
69	MP2B	Mx	-.018	1.5
70	MP2C	X	50.486	1.5
71	MP2C	Z	-29.148	1.5
72	MP2C	Mx	0	1.5
73	OVP	X	92.145	1.5
74	OVP	Z	-53.2	1.5
75	OVP	Mx	-.046	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	66.57	2.33
2	MP3A	Z	0	2.33
3	MP3A	Mx	0	2.33
4	MP3A	X	66.57	6.33
5	MP3A	Z	0	6.33
6	MP3A	Mx	0	6.33
7	MP3B	X	83.354	2.33
8	MP3B	Z	0	2.33
9	MP3B	Mx	-.054	2.33
10	MP3B	X	83.354	6.33
11	MP3B	Z	0	6.33
12	MP3B	Mx	-.054	6.33
13	MP3C	X	83.354	2.33
14	MP3C	Z	0	2.33
15	MP3C	Mx	.054	2.33
16	MP3C	X	83.354	6.33
17	MP3C	Z	0	6.33
18	MP3C	Mx	.054	6.33
19	MP3A	X	66.57	2.33
20	MP3A	Z	0	2.33
21	MP3A	Mx	0	2.33
22	MP3A	X	66.57	6.33
23	MP3A	Z	0	6.33
24	MP3A	Mx	0	6.33
25	MP3B	X	83.354	2.33
26	MP3B	Z	0	2.33
27	MP3B	Mx	.054	2.33
28	MP3B	X	83.354	6.33
29	MP3B	Z	0	6.33
30	MP3B	Mx	.054	6.33
31	MP3C	X	83.354	2.33
32	MP3C	Z	0	2.33
33	MP3C	Mx	-.054	2.33
34	MP3C	X	83.354	6.33
35	MP3C	Z	0	6.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
36	MP3C	Mx	-.054	6.33
37	MP2A	X	25.387	3.33
38	MP2A	Z	0	3.33
39	MP2A	Mx	-.013	3.33
40	MP2A	X	25.387	5.33
41	MP2A	Z	0	5.33
42	MP2A	Mx	-.013	5.33
43	MP2B	X	61.634	3.33
44	MP2B	Z	0	3.33
45	MP2B	Mx	.015	3.33
46	MP2B	X	61.634	5.33
47	MP2B	Z	0	5.33
48	MP2B	Mx	.015	5.33
49	MP2C	X	61.634	3.33
50	MP2C	Z	0	3.33
51	MP2C	Mx	.015	3.33
52	MP2C	X	61.634	5.33
53	MP2C	Z	0	5.33
54	MP2C	Mx	.015	5.33
55	MP3A	X	39.115	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	.02	1.5
58	MP3B	X	53.501	1.5
59	MP3B	Z	0	1.5
60	MP3B	Mx	-.013	1.5
61	MP3C	X	53.501	1.5
62	MP3C	Z	0	1.5
63	MP3C	Mx	-.013	1.5
64	MP2A	X	35.354	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	.018	1.5
67	MP2B	X	52.56	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	-.013	1.5
70	MP2C	X	52.56	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	-.013	1.5
73	OVP	X	94.352	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	-.047	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	62.496	2.33
2	MP3A	Z	36.082	2.33
3	MP3A	Mx	.027	2.33
4	MP3A	X	62.496	6.33
5	MP3A	Z	36.082	6.33
6	MP3A	Mx	.027	6.33
7	MP3B	X	77.031	2.33
8	MP3B	Z	44.474	2.33
9	MP3B	Mx	-.067	2.33
10	MP3B	X	77.031	6.33
11	MP3B	Z	44.474	6.33
12	MP3B	Mx	-.067	6.33
13	MP3C	X	62.496	2.33

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
14	MP3C	Z	36.082	2.33
15	MP3C	Mx	.027	2.33
16	MP3C	X	62.496	6.33
17	MP3C	Z	36.082	6.33
18	MP3C	Mx	.027	6.33
19	MP3A	X	62.496	2.33
20	MP3A	Z	36.082	2.33
21	MP3A	Mx	-.027	2.33
22	MP3A	X	62.496	6.33
23	MP3A	Z	36.082	6.33
24	MP3A	Mx	-.027	6.33
25	MP3B	X	77.031	2.33
26	MP3B	Z	44.474	2.33
27	MP3B	Mx	.067	2.33
28	MP3B	X	77.031	6.33
29	MP3B	Z	44.474	6.33
30	MP3B	Mx	.067	6.33
31	MP3C	X	62.496	2.33
32	MP3C	Z	36.082	2.33
33	MP3C	Mx	-.027	2.33
34	MP3C	X	62.496	6.33
35	MP3C	Z	36.082	6.33
36	MP3C	Mx	-.027	6.33
37	MP2A	X	32.449	3.33
38	MP2A	Z	18.735	3.33
39	MP2A	Mx	-.016	3.33
40	MP2A	X	32.449	5.33
41	MP2A	Z	18.735	5.33
42	MP2A	Mx	-.016	5.33
43	MP2B	X	63.84	3.33
44	MP2B	Z	36.858	3.33
45	MP2B	Mx	0	3.33
46	MP2B	X	63.84	5.33
47	MP2B	Z	36.858	5.33
48	MP2B	Mx	0	5.33
49	MP2C	X	32.449	3.33
50	MP2C	Z	18.735	3.33
51	MP2C	Mx	.016	3.33
52	MP2C	X	32.449	5.33
53	MP2C	Z	18.735	5.33
54	MP2C	Mx	.016	5.33
55	MP3A	X	38.027	1.5
56	MP3A	Z	21.955	1.5
57	MP3A	Mx	.019	1.5
58	MP3B	X	50.486	1.5
59	MP3B	Z	29.148	1.5
60	MP3B	Mx	0	1.5
61	MP3C	X	38.027	1.5
62	MP3C	Z	21.955	1.5
63	MP3C	Mx	-.019	1.5
64	MP2A	X	35.584	1.5
65	MP2A	Z	20.545	1.5
66	MP2A	Mx	.018	1.5
67	MP2B	X	50.486	1.5
68	MP2B	Z	29.148	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	35.584	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
71	MP2C	Z	20.545	1.5
72	MP2C	Mx	-.018	1.5
73	OVP	X	92.145	1.5
74	OVP	Z	53.2	1.5
75	OVP	Mx	-.046	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	41.677	2.33
2	MP3A	Z	72.186	2.33
3	MP3A	Mx	.054	2.33
4	MP3A	X	41.677	6.33
5	MP3A	Z	72.186	6.33
6	MP3A	Mx	.054	6.33
7	MP3B	X	41.677	2.33
8	MP3B	Z	72.186	2.33
9	MP3B	Mx	-.054	2.33
10	MP3B	X	41.677	6.33
11	MP3B	Z	72.186	6.33
12	MP3B	Mx	-.054	6.33
13	MP3C	X	33.285	2.33
14	MP3C	Z	57.651	2.33
15	MP3C	Mx	0	2.33
16	MP3C	X	33.285	6.33
17	MP3C	Z	57.651	6.33
18	MP3C	Mx	0	6.33
19	MP3A	X	41.677	2.33
20	MP3A	Z	72.186	2.33
21	MP3A	Mx	-.054	2.33
22	MP3A	X	41.677	6.33
23	MP3A	Z	72.186	6.33
24	MP3A	Mx	-.054	6.33
25	MP3B	X	41.677	2.33
26	MP3B	Z	72.186	2.33
27	MP3B	Mx	.054	2.33
28	MP3B	X	41.677	6.33
29	MP3B	Z	72.186	6.33
30	MP3B	Mx	.054	6.33
31	MP3C	X	33.285	2.33
32	MP3C	Z	57.651	2.33
33	MP3C	Mx	0	2.33
34	MP3C	X	33.285	6.33
35	MP3C	Z	57.651	6.33
36	MP3C	Mx	0	6.33
37	MP2A	X	30.817	3.33
38	MP2A	Z	53.376	3.33
39	MP2A	Mx	-.015	3.33
40	MP2A	X	30.817	5.33
41	MP2A	Z	53.376	5.33
42	MP2A	Mx	-.015	5.33
43	MP2B	X	30.817	3.33
44	MP2B	Z	53.376	3.33
45	MP2B	Mx	-.015	3.33
46	MP2B	X	30.817	5.33
47	MP2B	Z	53.376	5.33
48	MP2B	Mx	-.015	5.33

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
49	MP2C	X	12.693	3.33
50	MP2C	Z	21.986	3.33
51	MP2C	Mx	.013	3.33
52	MP2C	X	12.693	5.33
53	MP2C	Z	21.986	5.33
54	MP2C	Mx	.013	5.33
55	MP3A	X	26.75	1.5
56	MP3A	Z	46.333	1.5
57	MP3A	Mx	.013	1.5
58	MP3B	X	26.75	1.5
59	MP3B	Z	46.333	1.5
60	MP3B	Mx	.013	1.5
61	MP3C	X	19.557	1.5
62	MP3C	Z	33.874	1.5
63	MP3C	Mx	-.02	1.5
64	MP2A	X	26.28	1.5
65	MP2A	Z	45.519	1.5
66	MP2A	Mx	.013	1.5
67	MP2B	X	26.28	1.5
68	MP2B	Z	45.519	1.5
69	MP2B	Mx	.013	1.5
70	MP2C	X	17.677	1.5
71	MP2C	Z	30.617	1.5
72	MP2C	Mx	-.018	1.5
73	OVP	X	65.247	1.5
74	OVP	Z	113.012	1.5
75	OVP	Mx	-.033	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	2.33
2	MP3A	Z	88.948	2.33
3	MP3A	Mx	.067	2.33
4	MP3A	X	0	6.33
5	MP3A	Z	88.948	6.33
6	MP3A	Mx	.067	6.33
7	MP3B	X	0	2.33
8	MP3B	Z	72.165	2.33
9	MP3B	Mx	-.027	2.33
10	MP3B	X	0	6.33
11	MP3B	Z	72.165	6.33
12	MP3B	Mx	-.027	6.33
13	MP3C	X	0	2.33
14	MP3C	Z	72.165	2.33
15	MP3C	Mx	-.027	2.33
16	MP3C	X	0	6.33
17	MP3C	Z	72.165	6.33
18	MP3C	Mx	-.027	6.33
19	MP3A	X	0	2.33
20	MP3A	Z	88.948	2.33
21	MP3A	Mx	-.067	2.33
22	MP3A	X	0	6.33
23	MP3A	Z	88.948	6.33
24	MP3A	Mx	-.067	6.33
25	MP3B	X	0	2.33
26	MP3B	Z	72.165	2.33

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
27	MP3B	Mx	.027	2.33
28	MP3B	X	0	6.33
29	MP3B	Z	72.165	6.33
30	MP3B	Mx	.027	6.33
31	MP3C	X	0	2.33
32	MP3C	Z	72.165	2.33
33	MP3C	Mx	.027	2.33
34	MP3C	X	0	6.33
35	MP3C	Z	72.165	6.33
36	MP3C	Mx	.027	6.33
37	MP2A	X	0	3.33
38	MP2A	Z	73.716	3.33
39	MP2A	Mx	0	3.33
40	MP2A	X	0	5.33
41	MP2A	Z	73.716	5.33
42	MP2A	Mx	0	5.33
43	MP2B	X	0	3.33
44	MP2B	Z	37.469	3.33
45	MP2B	Mx	-.016	3.33
46	MP2B	X	0	5.33
47	MP2B	Z	37.469	5.33
48	MP2B	Mx	-.016	5.33
49	MP2C	X	0	3.33
50	MP2C	Z	37.469	3.33
51	MP2C	Mx	.016	3.33
52	MP2C	X	0	5.33
53	MP2C	Z	37.469	5.33
54	MP2C	Mx	.016	5.33
55	MP3A	X	0	1.5
56	MP3A	Z	58.296	1.5
57	MP3A	Mx	0	1.5
58	MP3B	X	0	1.5
59	MP3B	Z	43.91	1.5
60	MP3B	Mx	.019	1.5
61	MP3C	X	0	1.5
62	MP3C	Z	43.91	1.5
63	MP3C	Mx	-.019	1.5
64	MP2A	X	0	1.5
65	MP2A	Z	58.296	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	41.089	1.5
69	MP2B	Mx	.018	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	41.089	1.5
72	MP2C	Mx	-.018	1.5
73	OVP	X	0	1.5
74	OVP	Z	142.543	1.5
75	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-41.677	2.33
2	MP3A	Z	72.186	2.33
3	MP3A	Mx	.054	2.33
4	MP3A	X	-41.677	6.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
5	MP3A	Z	72.186	6.33
6	MP3A	Mx	.054	6.33
7	MP3B	X	-33.285	2.33
8	MP3B	Z	57.651	2.33
9	MP3B	Mx	0	2.33
10	MP3B	X	-33.285	6.33
11	MP3B	Z	57.651	6.33
12	MP3B	Mx	0	6.33
13	MP3C	X	-41.677	2.33
14	MP3C	Z	72.186	2.33
15	MP3C	Mx	-.054	2.33
16	MP3C	X	-41.677	6.33
17	MP3C	Z	72.186	6.33
18	MP3C	Mx	-.054	6.33
19	MP3A	X	-41.677	2.33
20	MP3A	Z	72.186	2.33
21	MP3A	Mx	-.054	2.33
22	MP3A	X	-41.677	6.33
23	MP3A	Z	72.186	6.33
24	MP3A	Mx	-.054	6.33
25	MP3B	X	-33.285	2.33
26	MP3B	Z	57.651	2.33
27	MP3B	Mx	0	2.33
28	MP3B	X	-33.285	6.33
29	MP3B	Z	57.651	6.33
30	MP3B	Mx	0	6.33
31	MP3C	X	-41.677	2.33
32	MP3C	Z	72.186	2.33
33	MP3C	Mx	.054	2.33
34	MP3C	X	-41.677	6.33
35	MP3C	Z	72.186	6.33
36	MP3C	Mx	.054	6.33
37	MP2A	X	-30.817	3.33
38	MP2A	Z	53.376	3.33
39	MP2A	Mx	.015	3.33
40	MP2A	X	-30.817	5.33
41	MP2A	Z	53.376	5.33
42	MP2A	Mx	.015	5.33
43	MP2B	X	-12.693	3.33
44	MP2B	Z	21.986	3.33
45	MP2B	Mx	-.013	3.33
46	MP2B	X	-12.693	5.33
47	MP2B	Z	21.986	5.33
48	MP2B	Mx	-.013	5.33
49	MP2C	X	-30.817	3.33
50	MP2C	Z	53.376	3.33
51	MP2C	Mx	.015	3.33
52	MP2C	X	-30.817	5.33
53	MP2C	Z	53.376	5.33
54	MP2C	Mx	.015	5.33
55	MP3A	X	-26.75	1.5
56	MP3A	Z	46.333	1.5
57	MP3A	Mx	-.013	1.5
58	MP3B	X	-19.557	1.5
59	MP3B	Z	33.874	1.5
60	MP3B	Mx	.02	1.5
61	MP3C	X	-26.75	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
62	MP3C	Z	46.333	1.5
63	MP3C	Mx	-.013	1.5
64	MP2A	X	-26.28	1.5
65	MP2A	Z	45.519	1.5
66	MP2A	Mx	-.013	1.5
67	MP2B	X	-17.677	1.5
68	MP2B	Z	30.617	1.5
69	MP2B	Mx	.018	1.5
70	MP2C	X	-26.28	1.5
71	MP2C	Z	45.519	1.5
72	MP2C	Mx	-.013	1.5
73	OVP	X	-65.247	1.5
74	OVP	Z	113.012	1.5
75	OVP	Mx	.033	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-62.496	2.33
2	MP3A	Z	36.082	2.33
3	MP3A	Mx	.027	2.33
4	MP3A	X	-62.496	6.33
5	MP3A	Z	36.082	6.33
6	MP3A	Mx	.027	6.33
7	MP3B	X	-62.496	2.33
8	MP3B	Z	36.082	2.33
9	MP3B	Mx	.027	2.33
10	MP3B	X	-62.496	6.33
11	MP3B	Z	36.082	6.33
12	MP3B	Mx	.027	6.33
13	MP3C	X	-77.031	2.33
14	MP3C	Z	44.474	2.33
15	MP3C	Mx	-.067	2.33
16	MP3C	X	-77.031	6.33
17	MP3C	Z	44.474	6.33
18	MP3C	Mx	-.067	6.33
19	MP3A	X	-62.496	2.33
20	MP3A	Z	36.082	2.33
21	MP3A	Mx	-.027	2.33
22	MP3A	X	-62.496	6.33
23	MP3A	Z	36.082	6.33
24	MP3A	Mx	-.027	6.33
25	MP3B	X	-62.496	2.33
26	MP3B	Z	36.082	2.33
27	MP3B	Mx	-.027	2.33
28	MP3B	X	-62.496	6.33
29	MP3B	Z	36.082	6.33
30	MP3B	Mx	-.027	6.33
31	MP3C	X	-77.031	2.33
32	MP3C	Z	44.474	2.33
33	MP3C	Mx	.067	2.33
34	MP3C	X	-77.031	6.33
35	MP3C	Z	44.474	6.33
36	MP3C	Mx	.067	6.33
37	MP2A	X	-32.449	3.33
38	MP2A	Z	18.735	3.33
39	MP2A	Mx	.016	3.33

Company : Maser Consulting
 Designer : NL
 Job Number : 2177768A
 Model Name : Mount Fix

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
40	MP2A	X	-32.449	5.33
41	MP2A	Z	18.735	5.33
42	MP2A	Mx	.016	5.33
43	MP2B	X	-32.449	3.33
44	MP2B	Z	18.735	3.33
45	MP2B	Mx	-.016	3.33
46	MP2B	X	-32.449	5.33
47	MP2B	Z	18.735	5.33
48	MP2B	Mx	-.016	5.33
49	MP2C	X	-63.84	3.33
50	MP2C	Z	36.858	3.33
51	MP2C	Mx	0	3.33
52	MP2C	X	-63.84	5.33
53	MP2C	Z	36.858	5.33
54	MP2C	Mx	0	5.33
55	MP3A	X	-38.027	1.5
56	MP3A	Z	21.955	1.5
57	MP3A	Mx	-.019	1.5
58	MP3B	X	-38.027	1.5
59	MP3B	Z	21.955	1.5
60	MP3B	Mx	.019	1.5
61	MP3C	X	-50.486	1.5
62	MP3C	Z	29.148	1.5
63	MP3C	Mx	0	1.5
64	MP2A	X	-35.584	1.5
65	MP2A	Z	20.545	1.5
66	MP2A	Mx	-.018	1.5
67	MP2B	X	-35.584	1.5
68	MP2B	Z	20.545	1.5
69	MP2B	Mx	.018	1.5
70	MP2C	X	-50.486	1.5
71	MP2C	Z	29.148	1.5
72	MP2C	Mx	0	1.5
73	OVP	X	-92.145	1.5
74	OVP	Z	53.2	1.5
75	OVP	Mx	.046	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-66.57	2.33
2	MP3A	Z	0	2.33
3	MP3A	Mx	0	2.33
4	MP3A	X	-66.57	6.33
5	MP3A	Z	0	6.33
6	MP3A	Mx	0	6.33
7	MP3B	X	-83.354	2.33
8	MP3B	Z	0	2.33
9	MP3B	Mx	.054	2.33
10	MP3B	X	-83.354	6.33
11	MP3B	Z	0	6.33
12	MP3B	Mx	.054	6.33
13	MP3C	X	-83.354	2.33
14	MP3C	Z	0	2.33
15	MP3C	Mx	-.054	2.33
16	MP3C	X	-83.354	6.33
17	MP3C	Z	0	6.33

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
18	MP3C	Mx	-.054	6.33
19	MP3A	X	-66.57	2.33
20	MP3A	Z	0	2.33
21	MP3A	Mx	0	2.33
22	MP3A	X	-66.57	6.33
23	MP3A	Z	0	6.33
24	MP3A	Mx	0	6.33
25	MP3B	X	-83.354	2.33
26	MP3B	Z	0	2.33
27	MP3B	Mx	-.054	2.33
28	MP3B	X	-83.354	6.33
29	MP3B	Z	0	6.33
30	MP3B	Mx	-.054	6.33
31	MP3C	X	-83.354	2.33
32	MP3C	Z	0	2.33
33	MP3C	Mx	.054	2.33
34	MP3C	X	-83.354	6.33
35	MP3C	Z	0	6.33
36	MP3C	Mx	.054	6.33
37	MP2A	X	-25.387	3.33
38	MP2A	Z	0	3.33
39	MP2A	Mx	.013	3.33
40	MP2A	X	-25.387	5.33
41	MP2A	Z	0	5.33
42	MP2A	Mx	.013	5.33
43	MP2B	X	-61.634	3.33
44	MP2B	Z	0	3.33
45	MP2B	Mx	-.015	3.33
46	MP2B	X	-61.634	5.33
47	MP2B	Z	0	5.33
48	MP2B	Mx	-.015	5.33
49	MP2C	X	-61.634	3.33
50	MP2C	Z	0	3.33
51	MP2C	Mx	-.015	3.33
52	MP2C	X	-61.634	5.33
53	MP2C	Z	0	5.33
54	MP2C	Mx	-.015	5.33
55	MP3A	X	-39.115	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	-.02	1.5
58	MP3B	X	-53.501	1.5
59	MP3B	Z	0	1.5
60	MP3B	Mx	.013	1.5
61	MP3C	X	-53.501	1.5
62	MP3C	Z	0	1.5
63	MP3C	Mx	.013	1.5
64	MP2A	X	-35.354	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	-.018	1.5
67	MP2B	X	-52.56	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	.013	1.5
70	MP2C	X	-52.56	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	.013	1.5
73	OVP	X	-94.352	1.5
74	OVP	Z	0	1.5

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
75	OVP	Mx	.047	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-62.496	2.33
2	MP3A	Z	-36.082	2.33
3	MP3A	Mx	-.027	2.33
4	MP3A	X	-62.496	6.33
5	MP3A	Z	-36.082	6.33
6	MP3A	Mx	-.027	6.33
7	MP3B	X	-77.031	2.33
8	MP3B	Z	-44.474	2.33
9	MP3B	Mx	.067	2.33
10	MP3B	X	-77.031	6.33
11	MP3B	Z	-44.474	6.33
12	MP3B	Mx	.067	6.33
13	MP3C	X	-62.496	2.33
14	MP3C	Z	-36.082	2.33
15	MP3C	Mx	-.027	2.33
16	MP3C	X	-62.496	6.33
17	MP3C	Z	-36.082	6.33
18	MP3C	Mx	-.027	6.33
19	MP3A	X	-62.496	2.33
20	MP3A	Z	-36.082	2.33
21	MP3A	Mx	.027	2.33
22	MP3A	X	-62.496	6.33
23	MP3A	Z	-36.082	6.33
24	MP3A	Mx	.027	6.33
25	MP3B	X	-77.031	2.33
26	MP3B	Z	-44.474	2.33
27	MP3B	Mx	-.067	2.33
28	MP3B	X	-77.031	6.33
29	MP3B	Z	-44.474	6.33
30	MP3B	Mx	-.067	6.33
31	MP3C	X	-62.496	2.33
32	MP3C	Z	-36.082	2.33
33	MP3C	Mx	.027	2.33
34	MP3C	X	-62.496	6.33
35	MP3C	Z	-36.082	6.33
36	MP3C	Mx	.027	6.33
37	MP2A	X	-32.449	3.33
38	MP2A	Z	-18.735	3.33
39	MP2A	Mx	.016	3.33
40	MP2A	X	-32.449	5.33
41	MP2A	Z	-18.735	5.33
42	MP2A	Mx	.016	5.33
43	MP2B	X	-63.84	3.33
44	MP2B	Z	-36.858	3.33
45	MP2B	Mx	0	3.33
46	MP2B	X	-63.84	5.33
47	MP2B	Z	-36.858	5.33
48	MP2B	Mx	0	5.33
49	MP2C	X	-32.449	3.33
50	MP2C	Z	-18.735	3.33
51	MP2C	Mx	-.016	3.33
52	MP2C	X	-32.449	5.33

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

July 20, 2022
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Member Point Loads (BLC 13 : Antenna Wo (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
53	MP2C	Z	-18.735	5.33
54	MP2C	Mx	-.016	5.33
55	MP3A	X	-38.027	1.5
56	MP3A	Z	-21.955	1.5
57	MP3A	Mx	-.019	1.5
58	MP3B	X	-50.486	1.5
59	MP3B	Z	-29.148	1.5
60	MP3B	Mx	0	1.5
61	MP3C	X	-38.027	1.5
62	MP3C	Z	-21.955	1.5
63	MP3C	Mx	.019	1.5
64	MP2A	X	-35.584	1.5
65	MP2A	Z	-20.545	1.5
66	MP2A	Mx	-.018	1.5
67	MP2B	X	-50.486	1.5
68	MP2B	Z	-29.148	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	-35.584	1.5
71	MP2C	Z	-20.545	1.5
72	MP2C	Mx	.018	1.5
73	OVP	X	-92.145	1.5
74	OVP	Z	-53.2	1.5
75	OVP	Mx	.046	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-41.677	2.33
2	MP3A	Z	-72.186	2.33
3	MP3A	Mx	-.054	2.33
4	MP3A	X	-41.677	6.33
5	MP3A	Z	-72.186	6.33
6	MP3A	Mx	-.054	6.33
7	MP3B	X	-41.677	2.33
8	MP3B	Z	-72.186	2.33
9	MP3B	Mx	.054	2.33
10	MP3B	X	-41.677	6.33
11	MP3B	Z	-72.186	6.33
12	MP3B	Mx	.054	6.33
13	MP3C	X	-33.285	2.33
14	MP3C	Z	-57.651	2.33
15	MP3C	Mx	0	2.33
16	MP3C	X	-33.285	6.33
17	MP3C	Z	-57.651	6.33
18	MP3C	Mx	0	6.33
19	MP3A	X	-41.677	2.33
20	MP3A	Z	-72.186	2.33
21	MP3A	Mx	.054	2.33
22	MP3A	X	-41.677	6.33
23	MP3A	Z	-72.186	6.33
24	MP3A	Mx	.054	6.33
25	MP3B	X	-41.677	2.33
26	MP3B	Z	-72.186	2.33
27	MP3B	Mx	-.054	2.33
28	MP3B	X	-41.677	6.33
29	MP3B	Z	-72.186	6.33
30	MP3B	Mx	-.054	6.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
31	MP3C	X	-33.285	2.33
32	MP3C	Z	-57.651	2.33
33	MP3C	Mx	0	2.33
34	MP3C	X	-33.285	6.33
35	MP3C	Z	-57.651	6.33
36	MP3C	Mx	0	6.33
37	MP2A	X	-30.817	3.33
38	MP2A	Z	-53.376	3.33
39	MP2A	Mx	.015	3.33
40	MP2A	X	-30.817	5.33
41	MP2A	Z	-53.376	5.33
42	MP2A	Mx	.015	5.33
43	MP2B	X	-30.817	3.33
44	MP2B	Z	-53.376	3.33
45	MP2B	Mx	.015	3.33
46	MP2B	X	-30.817	5.33
47	MP2B	Z	-53.376	5.33
48	MP2B	Mx	.015	5.33
49	MP2C	X	-12.693	3.33
50	MP2C	Z	-21.986	3.33
51	MP2C	Mx	-.013	3.33
52	MP2C	X	-12.693	5.33
53	MP2C	Z	-21.986	5.33
54	MP2C	Mx	-.013	5.33
55	MP3A	X	-26.75	1.5
56	MP3A	Z	-46.333	1.5
57	MP3A	Mx	-.013	1.5
58	MP3B	X	-26.75	1.5
59	MP3B	Z	-46.333	1.5
60	MP3B	Mx	-.013	1.5
61	MP3C	X	-19.557	1.5
62	MP3C	Z	-33.874	1.5
63	MP3C	Mx	.02	1.5
64	MP2A	X	-26.28	1.5
65	MP2A	Z	-45.519	1.5
66	MP2A	Mx	-.013	1.5
67	MP2B	X	-26.28	1.5
68	MP2B	Z	-45.519	1.5
69	MP2B	Mx	-.013	1.5
70	MP2C	X	-17.677	1.5
71	MP2C	Z	-30.617	1.5
72	MP2C	Mx	.018	1.5
73	OVP	X	-65.247	1.5
74	OVP	Z	-113.012	1.5
75	OVP	Mx	.033	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	2.33
2	MP3A	Z	-36.234	2.33
3	MP3A	Mx	-.027	2.33
4	MP3A	X	0	6.33
5	MP3A	Z	-36.234	6.33
6	MP3A	Mx	-.027	6.33
7	MP3B	X	0	2.33
8	MP3B	Z	-29.605	2.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
9	MP3B	Mx	.011	2.33
10	MP3B	X	0	6.33
11	MP3B	Z	-29.605	6.33
12	MP3B	Mx	.011	6.33
13	MP3C	X	0	2.33
14	MP3C	Z	-29.605	2.33
15	MP3C	Mx	.011	2.33
16	MP3C	X	0	6.33
17	MP3C	Z	-29.605	6.33
18	MP3C	Mx	.011	6.33
19	MP3A	X	0	2.33
20	MP3A	Z	-36.234	2.33
21	MP3A	Mx	.027	2.33
22	MP3A	X	0	6.33
23	MP3A	Z	-36.234	6.33
24	MP3A	Mx	.027	6.33
25	MP3B	X	0	2.33
26	MP3B	Z	-29.605	2.33
27	MP3B	Mx	-.011	2.33
28	MP3B	X	0	6.33
29	MP3B	Z	-29.605	6.33
30	MP3B	Mx	-.011	6.33
31	MP3C	X	0	2.33
32	MP3C	Z	-29.605	2.33
33	MP3C	Mx	-.011	2.33
34	MP3C	X	0	6.33
35	MP3C	Z	-29.605	6.33
36	MP3C	Mx	-.011	6.33
37	MP2A	X	0	3.33
38	MP2A	Z	-17.856	3.33
39	MP2A	Mx	0	3.33
40	MP2A	X	0	5.33
41	MP2A	Z	-17.856	5.33
42	MP2A	Mx	0	5.33
43	MP2B	X	0	3.33
44	MP2B	Z	-10.152	3.33
45	MP2B	Mx	.004	3.33
46	MP2B	X	0	5.33
47	MP2B	Z	-10.152	5.33
48	MP2B	Mx	.004	5.33
49	MP2C	X	0	3.33
50	MP2C	Z	-10.152	3.33
51	MP2C	Mx	-.004	3.33
52	MP2C	X	0	5.33
53	MP2C	Z	-10.152	5.33
54	MP2C	Mx	-.004	5.33
55	MP3A	X	0	1.5
56	MP3A	Z	-15.021	1.5
57	MP3A	Mx	0	1.5
58	MP3B	X	0	1.5
59	MP3B	Z	-11.581	1.5
60	MP3B	Mx	-.005	1.5
61	MP3C	X	0	1.5
62	MP3C	Z	-11.581	1.5
63	MP3C	Mx	.005	1.5
64	MP2A	X	0	1.5
65	MP2A	Z	-15.021	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	-10.962	1.5
69	MP2B	Mx	-.005	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	-10.962	1.5
72	MP2C	Mx	.005	1.5
73	OVP	X	0	1.5
74	OVP	Z	-28.962	1.5
75	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	17.012	2.33
2	MP3A	Z	-29.466	2.33
3	MP3A	Mx	-.022	2.33
4	MP3A	X	17.012	6.33
5	MP3A	Z	-29.466	6.33
6	MP3A	Mx	-.022	6.33
7	MP3B	X	13.697	2.33
8	MP3B	Z	-23.724	2.33
9	MP3B	Mx	0	2.33
10	MP3B	X	13.697	6.33
11	MP3B	Z	-23.724	6.33
12	MP3B	Mx	0	6.33
13	MP3C	X	17.012	2.33
14	MP3C	Z	-29.466	2.33
15	MP3C	Mx	.022	2.33
16	MP3C	X	17.012	6.33
17	MP3C	Z	-29.466	6.33
18	MP3C	Mx	.022	6.33
19	MP3A	X	17.012	2.33
20	MP3A	Z	-29.466	2.33
21	MP3A	Mx	.022	2.33
22	MP3A	X	17.012	6.33
23	MP3A	Z	-29.466	6.33
24	MP3A	Mx	.022	6.33
25	MP3B	X	13.697	2.33
26	MP3B	Z	-23.724	2.33
27	MP3B	Mx	0	2.33
28	MP3B	X	13.697	6.33
29	MP3B	Z	-23.724	6.33
30	MP3B	Mx	0	6.33
31	MP3C	X	17.012	2.33
32	MP3C	Z	-29.466	2.33
33	MP3C	Mx	-.022	2.33
34	MP3C	X	17.012	6.33
35	MP3C	Z	-29.466	6.33
36	MP3C	Mx	-.022	6.33
37	MP2A	X	7.644	3.33
38	MP2A	Z	-13.24	3.33
39	MP2A	Mx	-.004	3.33
40	MP2A	X	7.644	5.33
41	MP2A	Z	-13.24	5.33
42	MP2A	Mx	-.004	5.33
43	MP2B	X	3.792	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
44	MP2B	Z	-6.568	3.33
45	MP2B	Mx	.004	3.33
46	MP2B	X	3.792	5.33
47	MP2B	Z	-6.568	5.33
48	MP2B	Mx	.004	5.33
49	MP2C	X	7.644	3.33
50	MP2C	Z	-13.24	3.33
51	MP2C	Mx	-.004	3.33
52	MP2C	X	7.644	5.33
53	MP2C	Z	-13.24	5.33
54	MP2C	Mx	-.004	5.33
55	MP3A	X	6.937	1.5
56	MP3A	Z	-12.016	1.5
57	MP3A	Mx	.003	1.5
58	MP3B	X	5.217	1.5
59	MP3B	Z	-9.037	1.5
60	MP3B	Mx	-.005	1.5
61	MP3C	X	6.937	1.5
62	MP3C	Z	-12.016	1.5
63	MP3C	Mx	.003	1.5
64	MP2A	X	6.834	1.5
65	MP2A	Z	-11.837	1.5
66	MP2A	Mx	.003	1.5
67	MP2B	X	4.805	1.5
68	MP2B	Z	-8.322	1.5
69	MP2B	Mx	-.005	1.5
70	MP2C	X	6.834	1.5
71	MP2C	Z	-11.837	1.5
72	MP2C	Mx	.003	1.5
73	OVP	X	13.334	1.5
74	OVP	Z	-23.095	1.5
75	OVP	Mx	-.007	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	25.638	2.33
2	MP3A	Z	-14.802	2.33
3	MP3A	Mx	-.011	2.33
4	MP3A	X	25.638	6.33
5	MP3A	Z	-14.802	6.33
6	MP3A	Mx	-.011	6.33
7	MP3B	X	25.638	2.33
8	MP3B	Z	-14.802	2.33
9	MP3B	Mx	-.011	2.33
10	MP3B	X	25.638	6.33
11	MP3B	Z	-14.802	6.33
12	MP3B	Mx	-.011	6.33
13	MP3C	X	31.38	2.33
14	MP3C	Z	-18.117	2.33
15	MP3C	Mx	.027	2.33
16	MP3C	X	31.38	6.33
17	MP3C	Z	-18.117	6.33
18	MP3C	Mx	.027	6.33
19	MP3A	X	25.638	2.33
20	MP3A	Z	-14.802	2.33
21	MP3A	Mx	.011	2.33

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

July 20, 2022
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Member Point Loads (BLC 17 : Antenna Wi (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
22	MP3A	X	25.638	6.33
23	MP3A	Z	-14.802	6.33
24	MP3A	Mx	.011	6.33
25	MP3B	X	25.638	2.33
26	MP3B	Z	-14.802	2.33
27	MP3B	Mx	.011	2.33
28	MP3B	X	25.638	6.33
29	MP3B	Z	-14.802	6.33
30	MP3B	Mx	.011	6.33
31	MP3C	X	31.38	2.33
32	MP3C	Z	-18.117	2.33
33	MP3C	Mx	-.027	2.33
34	MP3C	X	31.38	6.33
35	MP3C	Z	-18.117	6.33
36	MP3C	Mx	-.027	6.33
37	MP2A	X	8.792	3.33
38	MP2A	Z	-5.076	3.33
39	MP2A	Mx	-.004	3.33
40	MP2A	X	8.792	5.33
41	MP2A	Z	-5.076	5.33
42	MP2A	Mx	-.004	5.33
43	MP2B	X	8.792	3.33
44	MP2B	Z	-5.076	3.33
45	MP2B	Mx	.004	3.33
46	MP2B	X	8.792	5.33
47	MP2B	Z	-5.076	5.33
48	MP2B	Mx	.004	5.33
49	MP2C	X	15.464	3.33
50	MP2C	Z	-8.928	3.33
51	MP2C	Mx	0	3.33
52	MP2C	X	15.464	5.33
53	MP2C	Z	-8.928	5.33
54	MP2C	Mx	0	5.33
55	MP3A	X	10.03	1.5
56	MP3A	Z	-5.791	1.5
57	MP3A	Mx	.005	1.5
58	MP3B	X	10.03	1.5
59	MP3B	Z	-5.791	1.5
60	MP3B	Mx	-.005	1.5
61	MP3C	X	13.009	1.5
62	MP3C	Z	-7.511	1.5
63	MP3C	Mx	0	1.5
64	MP2A	X	9.494	1.5
65	MP2A	Z	-5.481	1.5
66	MP2A	Mx	.005	1.5
67	MP2B	X	9.494	1.5
68	MP2B	Z	-5.481	1.5
69	MP2B	Mx	-.005	1.5
70	MP2C	X	13.009	1.5
71	MP2C	Z	-7.511	1.5
72	MP2C	Mx	0	1.5
73	OVP	X	19.121	1.5
74	OVP	Z	-11.039	1.5
75	OVP	Mx	-.01	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
RISA-3D Version 17.0.4 [R:\.....\Structural\Mount Fix\Rev 4\RISA\467929-VZW_MT_LO_H.r3d] Page 35				

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	27.395	2.33
2	MP3A	Z	0	2.33
3	MP3A	Mx	0	2.33
4	MP3A	X	27.395	6.33
5	MP3A	Z	0	6.33
6	MP3A	Mx	0	6.33
7	MP3B	X	34.025	2.33
8	MP3B	Z	0	2.33
9	MP3B	Mx	-.022	2.33
10	MP3B	X	34.025	6.33
11	MP3B	Z	0	6.33
12	MP3B	Mx	-.022	6.33
13	MP3C	X	34.025	2.33
14	MP3C	Z	0	2.33
15	MP3C	Mx	.022	2.33
16	MP3C	X	34.025	6.33
17	MP3C	Z	0	6.33
18	MP3C	Mx	.022	6.33
19	MP3A	X	27.395	2.33
20	MP3A	Z	0	2.33
21	MP3A	Mx	0	2.33
22	MP3A	X	27.395	6.33
23	MP3A	Z	0	6.33
24	MP3A	Mx	0	6.33
25	MP3B	X	34.025	2.33
26	MP3B	Z	0	2.33
27	MP3B	Mx	.022	2.33
28	MP3B	X	34.025	6.33
29	MP3B	Z	0	6.33
30	MP3B	Mx	.022	6.33
31	MP3C	X	34.025	2.33
32	MP3C	Z	0	2.33
33	MP3C	Mx	-.022	2.33
34	MP3C	X	34.025	6.33
35	MP3C	Z	0	6.33
36	MP3C	Mx	-.022	6.33
37	MP2A	X	7.584	3.33
38	MP2A	Z	0	3.33
39	MP2A	Mx	-.004	3.33
40	MP2A	X	7.584	5.33
41	MP2A	Z	0	5.33
42	MP2A	Mx	-.004	5.33
43	MP2B	X	15.288	3.33
44	MP2B	Z	0	3.33
45	MP2B	Mx	.004	3.33
46	MP2B	X	15.288	5.33
47	MP2B	Z	0	5.33
48	MP2B	Mx	.004	5.33
49	MP2C	X	15.288	3.33
50	MP2C	Z	0	3.33
51	MP2C	Mx	.004	3.33
52	MP2C	X	15.288	5.33
53	MP2C	Z	0	5.33
54	MP2C	Mx	.004	5.33
55	MP3A	X	10.435	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	.005	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP3B	X	13.875	1.5
59	MP3B	Z	0	1.5
60	MP3B	Mx	-.003	1.5
61	MP3C	X	13.875	1.5
62	MP3C	Z	0	1.5
63	MP3C	Mx	-.003	1.5
64	MP2A	X	9.609	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	.005	1.5
67	MP2B	X	13.668	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	-.003	1.5
70	MP2C	X	13.668	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	-.003	1.5
73	OVP	X	19.784	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	-.01	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	25.638	2.33
2	MP3A	Z	14.802	2.33
3	MP3A	Mx	.011	2.33
4	MP3A	X	25.638	6.33
5	MP3A	Z	14.802	6.33
6	MP3A	Mx	.011	6.33
7	MP3B	X	31.38	2.33
8	MP3B	Z	18.117	2.33
9	MP3B	Mx	-.027	2.33
10	MP3B	X	31.38	6.33
11	MP3B	Z	18.117	6.33
12	MP3B	Mx	-.027	6.33
13	MP3C	X	25.638	2.33
14	MP3C	Z	14.802	2.33
15	MP3C	Mx	.011	2.33
16	MP3C	X	25.638	6.33
17	MP3C	Z	14.802	6.33
18	MP3C	Mx	.011	6.33
19	MP3A	X	25.638	2.33
20	MP3A	Z	14.802	2.33
21	MP3A	Mx	-.011	2.33
22	MP3A	X	25.638	6.33
23	MP3A	Z	14.802	6.33
24	MP3A	Mx	-.011	6.33
25	MP3B	X	31.38	2.33
26	MP3B	Z	18.117	2.33
27	MP3B	Mx	.027	2.33
28	MP3B	X	31.38	6.33
29	MP3B	Z	18.117	6.33
30	MP3B	Mx	.027	6.33
31	MP3C	X	25.638	2.33
32	MP3C	Z	14.802	2.33
33	MP3C	Mx	-.011	2.33
34	MP3C	X	25.638	6.33
35	MP3C	Z	14.802	6.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
36	MP3C	Mx	-.011	6.33
37	MP2A	X	8.792	3.33
38	MP2A	Z	5.076	3.33
39	MP2A	Mx	-.004	3.33
40	MP2A	X	8.792	5.33
41	MP2A	Z	5.076	5.33
42	MP2A	Mx	-.004	5.33
43	MP2B	X	15.464	3.33
44	MP2B	Z	8.928	3.33
45	MP2B	Mx	0	3.33
46	MP2B	X	15.464	5.33
47	MP2B	Z	8.928	5.33
48	MP2B	Mx	0	5.33
49	MP2C	X	8.792	3.33
50	MP2C	Z	5.076	3.33
51	MP2C	Mx	.004	3.33
52	MP2C	X	8.792	5.33
53	MP2C	Z	5.076	5.33
54	MP2C	Mx	.004	5.33
55	MP3A	X	10.03	1.5
56	MP3A	Z	5.791	1.5
57	MP3A	Mx	.005	1.5
58	MP3B	X	13.009	1.5
59	MP3B	Z	7.511	1.5
60	MP3B	Mx	0	1.5
61	MP3C	X	10.03	1.5
62	MP3C	Z	5.791	1.5
63	MP3C	Mx	-.005	1.5
64	MP2A	X	9.494	1.5
65	MP2A	Z	5.481	1.5
66	MP2A	Mx	.005	1.5
67	MP2B	X	13.009	1.5
68	MP2B	Z	7.511	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	9.494	1.5
71	MP2C	Z	5.481	1.5
72	MP2C	Mx	-.005	1.5
73	OVP	X	19.121	1.5
74	OVP	Z	11.039	1.5
75	OVP	Mx	-.01	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	17.012	2.33
2	MP3A	Z	29.466	2.33
3	MP3A	Mx	.022	2.33
4	MP3A	X	17.012	6.33
5	MP3A	Z	29.466	6.33
6	MP3A	Mx	.022	6.33
7	MP3B	X	17.012	2.33
8	MP3B	Z	29.466	2.33
9	MP3B	Mx	-.022	2.33
10	MP3B	X	17.012	6.33
11	MP3B	Z	29.466	6.33
12	MP3B	Mx	-.022	6.33
13	MP3C	X	13.697	2.33

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
14	MP3C	Z	23.724	2.33
15	MP3C	Mx	0	2.33
16	MP3C	X	13.697	6.33
17	MP3C	Z	23.724	6.33
18	MP3C	Mx	0	6.33
19	MP3A	X	17.012	2.33
20	MP3A	Z	29.466	2.33
21	MP3A	Mx	-.022	2.33
22	MP3A	X	17.012	6.33
23	MP3A	Z	29.466	6.33
24	MP3A	Mx	-.022	6.33
25	MP3B	X	17.012	2.33
26	MP3B	Z	29.466	2.33
27	MP3B	Mx	.022	2.33
28	MP3B	X	17.012	6.33
29	MP3B	Z	29.466	6.33
30	MP3B	Mx	.022	6.33
31	MP3C	X	13.697	2.33
32	MP3C	Z	23.724	2.33
33	MP3C	Mx	0	2.33
34	MP3C	X	13.697	6.33
35	MP3C	Z	23.724	6.33
36	MP3C	Mx	0	6.33
37	MP2A	X	7.644	3.33
38	MP2A	Z	13.24	3.33
39	MP2A	Mx	-.004	3.33
40	MP2A	X	7.644	5.33
41	MP2A	Z	13.24	5.33
42	MP2A	Mx	-.004	5.33
43	MP2B	X	7.644	3.33
44	MP2B	Z	13.24	3.33
45	MP2B	Mx	-.004	3.33
46	MP2B	X	7.644	5.33
47	MP2B	Z	13.24	5.33
48	MP2B	Mx	-.004	5.33
49	MP2C	X	3.792	3.33
50	MP2C	Z	6.568	3.33
51	MP2C	Mx	.004	3.33
52	MP2C	X	3.792	5.33
53	MP2C	Z	6.568	5.33
54	MP2C	Mx	.004	5.33
55	MP3A	X	6.937	1.5
56	MP3A	Z	12.016	1.5
57	MP3A	Mx	.003	1.5
58	MP3B	X	6.937	1.5
59	MP3B	Z	12.016	1.5
60	MP3B	Mx	.003	1.5
61	MP3C	X	5.217	1.5
62	MP3C	Z	9.037	1.5
63	MP3C	Mx	-.005	1.5
64	MP2A	X	6.834	1.5
65	MP2A	Z	11.837	1.5
66	MP2A	Mx	.003	1.5
67	MP2B	X	6.834	1.5
68	MP2B	Z	11.837	1.5
69	MP2B	Mx	.003	1.5
70	MP2C	X	4.805	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
71	MP2C	Z	8.322	1.5
72	MP2C	Mx	-.005	1.5
73	OVP	X	13.334	1.5
74	OVP	Z	23.095	1.5
75	OVP	Mx	-.007	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	2.33
2	MP3A	Z	36.234	2.33
3	MP3A	Mx	.027	2.33
4	MP3A	X	0	6.33
5	MP3A	Z	36.234	6.33
6	MP3A	Mx	.027	6.33
7	MP3B	X	0	2.33
8	MP3B	Z	29.605	2.33
9	MP3B	Mx	-.011	2.33
10	MP3B	X	0	6.33
11	MP3B	Z	29.605	6.33
12	MP3B	Mx	-.011	6.33
13	MP3C	X	0	2.33
14	MP3C	Z	29.605	2.33
15	MP3C	Mx	-.011	2.33
16	MP3C	X	0	6.33
17	MP3C	Z	29.605	6.33
18	MP3C	Mx	-.011	6.33
19	MP3A	X	0	2.33
20	MP3A	Z	36.234	2.33
21	MP3A	Mx	-.027	2.33
22	MP3A	X	0	6.33
23	MP3A	Z	36.234	6.33
24	MP3A	Mx	-.027	6.33
25	MP3B	X	0	2.33
26	MP3B	Z	29.605	2.33
27	MP3B	Mx	.011	2.33
28	MP3B	X	0	6.33
29	MP3B	Z	29.605	6.33
30	MP3B	Mx	.011	6.33
31	MP3C	X	0	2.33
32	MP3C	Z	29.605	2.33
33	MP3C	Mx	.011	2.33
34	MP3C	X	0	6.33
35	MP3C	Z	29.605	6.33
36	MP3C	Mx	.011	6.33
37	MP2A	X	0	3.33
38	MP2A	Z	17.856	3.33
39	MP2A	Mx	0	3.33
40	MP2A	X	0	5.33
41	MP2A	Z	17.856	5.33
42	MP2A	Mx	0	5.33
43	MP2B	X	0	3.33
44	MP2B	Z	10.152	3.33
45	MP2B	Mx	-.004	3.33
46	MP2B	X	0	5.33
47	MP2B	Z	10.152	5.33
48	MP2B	Mx	-.004	5.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
49	MP2C	X	0	3.33
50	MP2C	Z	10.152	3.33
51	MP2C	Mx	.004	3.33
52	MP2C	X	0	5.33
53	MP2C	Z	10.152	5.33
54	MP2C	Mx	.004	5.33
55	MP3A	X	0	1.5
56	MP3A	Z	15.021	1.5
57	MP3A	Mx	0	1.5
58	MP3B	X	0	1.5
59	MP3B	Z	11.581	1.5
60	MP3B	Mx	.005	1.5
61	MP3C	X	0	1.5
62	MP3C	Z	11.581	1.5
63	MP3C	Mx	-.005	1.5
64	MP2A	X	0	1.5
65	MP2A	Z	15.021	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	10.962	1.5
69	MP2B	Mx	.005	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	10.962	1.5
72	MP2C	Mx	-.005	1.5
73	OVP	X	0	1.5
74	OVP	Z	28.962	1.5
75	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-17.012	2.33
2	MP3A	Z	29.466	2.33
3	MP3A	Mx	.022	2.33
4	MP3A	X	-17.012	6.33
5	MP3A	Z	29.466	6.33
6	MP3A	Mx	.022	6.33
7	MP3B	X	-13.697	2.33
8	MP3B	Z	23.724	2.33
9	MP3B	Mx	0	2.33
10	MP3B	X	-13.697	6.33
11	MP3B	Z	23.724	6.33
12	MP3B	Mx	0	6.33
13	MP3C	X	-17.012	2.33
14	MP3C	Z	29.466	2.33
15	MP3C	Mx	-.022	2.33
16	MP3C	X	-17.012	6.33
17	MP3C	Z	29.466	6.33
18	MP3C	Mx	-.022	6.33
19	MP3A	X	-17.012	2.33
20	MP3A	Z	29.466	2.33
21	MP3A	Mx	-.022	2.33
22	MP3A	X	-17.012	6.33
23	MP3A	Z	29.466	6.33
24	MP3A	Mx	-.022	6.33
25	MP3B	X	-13.697	2.33
26	MP3B	Z	23.724	2.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
27	MP3B	Mx	0	2.33
28	MP3B	X	-13.697	6.33
29	MP3B	Z	23.724	6.33
30	MP3B	Mx	0	6.33
31	MP3C	X	-17.012	2.33
32	MP3C	Z	29.466	2.33
33	MP3C	Mx	.022	2.33
34	MP3C	X	-17.012	6.33
35	MP3C	Z	29.466	6.33
36	MP3C	Mx	.022	6.33
37	MP2A	X	-7.644	3.33
38	MP2A	Z	13.24	3.33
39	MP2A	Mx	.004	3.33
40	MP2A	X	-7.644	5.33
41	MP2A	Z	13.24	5.33
42	MP2A	Mx	.004	5.33
43	MP2B	X	-3.792	3.33
44	MP2B	Z	6.568	3.33
45	MP2B	Mx	-.004	3.33
46	MP2B	X	-3.792	5.33
47	MP2B	Z	6.568	5.33
48	MP2B	Mx	-.004	5.33
49	MP2C	X	-7.644	3.33
50	MP2C	Z	13.24	3.33
51	MP2C	Mx	.004	3.33
52	MP2C	X	-7.644	5.33
53	MP2C	Z	13.24	5.33
54	MP2C	Mx	.004	5.33
55	MP3A	X	-6.937	1.5
56	MP3A	Z	12.016	1.5
57	MP3A	Mx	-.003	1.5
58	MP3B	X	-5.217	1.5
59	MP3B	Z	9.037	1.5
60	MP3B	Mx	.005	1.5
61	MP3C	X	-6.937	1.5
62	MP3C	Z	12.016	1.5
63	MP3C	Mx	-.003	1.5
64	MP2A	X	-6.834	1.5
65	MP2A	Z	11.837	1.5
66	MP2A	Mx	-.003	1.5
67	MP2B	X	-4.805	1.5
68	MP2B	Z	8.322	1.5
69	MP2B	Mx	.005	1.5
70	MP2C	X	-6.834	1.5
71	MP2C	Z	11.837	1.5
72	MP2C	Mx	-.003	1.5
73	OVP	X	-13.334	1.5
74	OVP	Z	23.095	1.5
75	OVP	Mx	.007	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-25.638	2.33
2	MP3A	Z	14.802	2.33
3	MP3A	Mx	.011	2.33
4	MP3A	X	-25.638	6.33

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
5	MP3A	Z	14.802	6.33
6	MP3A	Mx	.011	6.33
7	MP3B	X	-25.638	2.33
8	MP3B	Z	14.802	2.33
9	MP3B	Mx	.011	2.33
10	MP3B	X	-25.638	6.33
11	MP3B	Z	14.802	6.33
12	MP3B	Mx	.011	6.33
13	MP3C	X	-31.38	2.33
14	MP3C	Z	18.117	2.33
15	MP3C	Mx	-.027	2.33
16	MP3C	X	-31.38	6.33
17	MP3C	Z	18.117	6.33
18	MP3C	Mx	-.027	6.33
19	MP3A	X	-25.638	2.33
20	MP3A	Z	14.802	2.33
21	MP3A	Mx	-.011	2.33
22	MP3A	X	-25.638	6.33
23	MP3A	Z	14.802	6.33
24	MP3A	Mx	-.011	6.33
25	MP3B	X	-25.638	2.33
26	MP3B	Z	14.802	2.33
27	MP3B	Mx	-.011	2.33
28	MP3B	X	-25.638	6.33
29	MP3B	Z	14.802	6.33
30	MP3B	Mx	-.011	6.33
31	MP3C	X	-31.38	2.33
32	MP3C	Z	18.117	2.33
33	MP3C	Mx	.027	2.33
34	MP3C	X	-31.38	6.33
35	MP3C	Z	18.117	6.33
36	MP3C	Mx	.027	6.33
37	MP2A	X	-8.792	3.33
38	MP2A	Z	5.076	3.33
39	MP2A	Mx	.004	3.33
40	MP2A	X	-8.792	5.33
41	MP2A	Z	5.076	5.33
42	MP2A	Mx	.004	5.33
43	MP2B	X	-8.792	3.33
44	MP2B	Z	5.076	3.33
45	MP2B	Mx	-.004	3.33
46	MP2B	X	-8.792	5.33
47	MP2B	Z	5.076	5.33
48	MP2B	Mx	-.004	5.33
49	MP2C	X	-15.464	3.33
50	MP2C	Z	8.928	3.33
51	MP2C	Mx	0	3.33
52	MP2C	X	-15.464	5.33
53	MP2C	Z	8.928	5.33
54	MP2C	Mx	0	5.33
55	MP3A	X	-10.03	1.5
56	MP3A	Z	5.791	1.5
57	MP3A	Mx	-.005	1.5
58	MP3B	X	-10.03	1.5
59	MP3B	Z	5.791	1.5
60	MP3B	Mx	.005	1.5
61	MP3C	X	-13.009	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
62	MP3C	Z	7.511	1.5
63	MP3C	Mx	0	1.5
64	MP2A	X	-9.494	1.5
65	MP2A	Z	5.481	1.5
66	MP2A	Mx	-.005	1.5
67	MP2B	X	-9.494	1.5
68	MP2B	Z	5.481	1.5
69	MP2B	Mx	.005	1.5
70	MP2C	X	-13.009	1.5
71	MP2C	Z	7.511	1.5
72	MP2C	Mx	0	1.5
73	OVP	X	-19.121	1.5
74	OVP	Z	11.039	1.5
75	OVP	Mx	.01	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-27.395	2.33
2	MP3A	Z	0	2.33
3	MP3A	Mx	0	2.33
4	MP3A	X	-27.395	6.33
5	MP3A	Z	0	6.33
6	MP3A	Mx	0	6.33
7	MP3B	X	-34.025	2.33
8	MP3B	Z	0	2.33
9	MP3B	Mx	.022	2.33
10	MP3B	X	-34.025	6.33
11	MP3B	Z	0	6.33
12	MP3B	Mx	.022	6.33
13	MP3C	X	-34.025	2.33
14	MP3C	Z	0	2.33
15	MP3C	Mx	-.022	2.33
16	MP3C	X	-34.025	6.33
17	MP3C	Z	0	6.33
18	MP3C	Mx	-.022	6.33
19	MP3A	X	-27.395	2.33
20	MP3A	Z	0	2.33
21	MP3A	Mx	0	2.33
22	MP3A	X	-27.395	6.33
23	MP3A	Z	0	6.33
24	MP3A	Mx	0	6.33
25	MP3B	X	-34.025	2.33
26	MP3B	Z	0	2.33
27	MP3B	Mx	-.022	2.33
28	MP3B	X	-34.025	6.33
29	MP3B	Z	0	6.33
30	MP3B	Mx	-.022	6.33
31	MP3C	X	-34.025	2.33
32	MP3C	Z	0	2.33
33	MP3C	Mx	.022	2.33
34	MP3C	X	-34.025	6.33
35	MP3C	Z	0	6.33
36	MP3C	Mx	.022	6.33
37	MP2A	X	-7.584	3.33
38	MP2A	Z	0	3.33
39	MP2A	Mx	.004	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
40	MP2A	X	-7.584	5.33
41	MP2A	Z	0	5.33
42	MP2A	Mx	.004	5.33
43	MP2B	X	-15.288	3.33
44	MP2B	Z	0	3.33
45	MP2B	Mx	-.004	3.33
46	MP2B	X	-15.288	5.33
47	MP2B	Z	0	5.33
48	MP2B	Mx	-.004	5.33
49	MP2C	X	-15.288	3.33
50	MP2C	Z	0	3.33
51	MP2C	Mx	-.004	3.33
52	MP2C	X	-15.288	5.33
53	MP2C	Z	0	5.33
54	MP2C	Mx	-.004	5.33
55	MP3A	X	-10.435	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	-.005	1.5
58	MP3B	X	-13.875	1.5
59	MP3B	Z	0	1.5
60	MP3B	Mx	.003	1.5
61	MP3C	X	-13.875	1.5
62	MP3C	Z	0	1.5
63	MP3C	Mx	.003	1.5
64	MP2A	X	-9.609	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	-.005	1.5
67	MP2B	X	-13.668	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	.003	1.5
70	MP2C	X	-13.668	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	.003	1.5
73	OVP	X	-19.784	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	.01	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-25.638	2.33
2	MP3A	Z	-14.802	2.33
3	MP3A	Mx	-.011	2.33
4	MP3A	X	-25.638	6.33
5	MP3A	Z	-14.802	6.33
6	MP3A	Mx	-.011	6.33
7	MP3B	X	-31.38	2.33
8	MP3B	Z	-18.117	2.33
9	MP3B	Mx	.027	2.33
10	MP3B	X	-31.38	6.33
11	MP3B	Z	-18.117	6.33
12	MP3B	Mx	.027	6.33
13	MP3C	X	-25.638	2.33
14	MP3C	Z	-14.802	2.33
15	MP3C	Mx	-.011	2.33
16	MP3C	X	-25.638	6.33
17	MP3C	Z	-14.802	6.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
18	MP3C	Mx	-.011	6.33
19	MP3A	X	-25.638	2.33
20	MP3A	Z	-14.802	2.33
21	MP3A	Mx	.011	2.33
22	MP3A	X	-25.638	6.33
23	MP3A	Z	-14.802	6.33
24	MP3A	Mx	.011	6.33
25	MP3B	X	-31.38	2.33
26	MP3B	Z	-18.117	2.33
27	MP3B	Mx	-.027	2.33
28	MP3B	X	-31.38	6.33
29	MP3B	Z	-18.117	6.33
30	MP3B	Mx	-.027	6.33
31	MP3C	X	-25.638	2.33
32	MP3C	Z	-14.802	2.33
33	MP3C	Mx	.011	2.33
34	MP3C	X	-25.638	6.33
35	MP3C	Z	-14.802	6.33
36	MP3C	Mx	.011	6.33
37	MP2A	X	-8.792	3.33
38	MP2A	Z	-5.076	3.33
39	MP2A	Mx	.004	3.33
40	MP2A	X	-8.792	5.33
41	MP2A	Z	-5.076	5.33
42	MP2A	Mx	.004	5.33
43	MP2B	X	-15.464	3.33
44	MP2B	Z	-8.928	3.33
45	MP2B	Mx	0	3.33
46	MP2B	X	-15.464	5.33
47	MP2B	Z	-8.928	5.33
48	MP2B	Mx	0	5.33
49	MP2C	X	-8.792	3.33
50	MP2C	Z	-5.076	3.33
51	MP2C	Mx	-.004	3.33
52	MP2C	X	-8.792	5.33
53	MP2C	Z	-5.076	5.33
54	MP2C	Mx	-.004	5.33
55	MP3A	X	-10.03	1.5
56	MP3A	Z	-5.791	1.5
57	MP3A	Mx	-.005	1.5
58	MP3B	X	-13.009	1.5
59	MP3B	Z	-7.511	1.5
60	MP3B	Mx	0	1.5
61	MP3C	X	-10.03	1.5
62	MP3C	Z	-5.791	1.5
63	MP3C	Mx	.005	1.5
64	MP2A	X	-9.494	1.5
65	MP2A	Z	-5.481	1.5
66	MP2A	Mx	-.005	1.5
67	MP2B	X	-13.009	1.5
68	MP2B	Z	-7.511	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	-9.494	1.5
71	MP2C	Z	-5.481	1.5
72	MP2C	Mx	.005	1.5
73	OVP	X	-19.121	1.5
74	OVP	Z	-11.039	1.5

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
75	OVP	Mx	.01	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-17.012	2.33
2	MP3A	Z	-29.466	2.33
3	MP3A	Mx	-.022	2.33
4	MP3A	X	-17.012	6.33
5	MP3A	Z	-29.466	6.33
6	MP3A	Mx	-.022	6.33
7	MP3B	X	-17.012	2.33
8	MP3B	Z	-29.466	2.33
9	MP3B	Mx	.022	2.33
10	MP3B	X	-17.012	6.33
11	MP3B	Z	-29.466	6.33
12	MP3B	Mx	.022	6.33
13	MP3C	X	-13.697	2.33
14	MP3C	Z	-23.724	2.33
15	MP3C	Mx	0	2.33
16	MP3C	X	-13.697	6.33
17	MP3C	Z	-23.724	6.33
18	MP3C	Mx	0	6.33
19	MP3A	X	-17.012	2.33
20	MP3A	Z	-29.466	2.33
21	MP3A	Mx	.022	2.33
22	MP3A	X	-17.012	6.33
23	MP3A	Z	-29.466	6.33
24	MP3A	Mx	.022	6.33
25	MP3B	X	-17.012	2.33
26	MP3B	Z	-29.466	2.33
27	MP3B	Mx	-.022	2.33
28	MP3B	X	-17.012	6.33
29	MP3B	Z	-29.466	6.33
30	MP3B	Mx	-.022	6.33
31	MP3C	X	-13.697	2.33
32	MP3C	Z	-23.724	2.33
33	MP3C	Mx	0	2.33
34	MP3C	X	-13.697	6.33
35	MP3C	Z	-23.724	6.33
36	MP3C	Mx	0	6.33
37	MP2A	X	-7.644	3.33
38	MP2A	Z	-13.24	3.33
39	MP2A	Mx	.004	3.33
40	MP2A	X	-7.644	5.33
41	MP2A	Z	-13.24	5.33
42	MP2A	Mx	.004	5.33
43	MP2B	X	-7.644	3.33
44	MP2B	Z	-13.24	3.33
45	MP2B	Mx	.004	3.33
46	MP2B	X	-7.644	5.33
47	MP2B	Z	-13.24	5.33
48	MP2B	Mx	.004	5.33
49	MP2C	X	-3.792	3.33
50	MP2C	Z	-6.568	3.33
51	MP2C	Mx	-.004	3.33
52	MP2C	X	-3.792	5.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
53	MP2C	Z	-6.568	5.33
54	MP2C	Mx	-.004	5.33
55	MP3A	X	-6.937	1.5
56	MP3A	Z	-12.016	1.5
57	MP3A	Mx	-.003	1.5
58	MP3B	X	-6.937	1.5
59	MP3B	Z	-12.016	1.5
60	MP3B	Mx	-.003	1.5
61	MP3C	X	-5.217	1.5
62	MP3C	Z	-9.037	1.5
63	MP3C	Mx	.005	1.5
64	MP2A	X	-6.834	1.5
65	MP2A	Z	-11.837	1.5
66	MP2A	Mx	-.003	1.5
67	MP2B	X	-6.834	1.5
68	MP2B	Z	-11.837	1.5
69	MP2B	Mx	-.003	1.5
70	MP2C	X	-4.805	1.5
71	MP2C	Z	-8.322	1.5
72	MP2C	Mx	.005	1.5
73	OVP	X	-13.334	1.5
74	OVP	Z	-23.095	1.5
75	OVP	Mx	.007	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	2.33
2	MP3A	Z	-5.749	2.33
3	MP3A	Mx	-.004	2.33
4	MP3A	X	0	6.33
5	MP3A	Z	-5.749	6.33
6	MP3A	Mx	-.004	6.33
7	MP3B	X	0	2.33
8	MP3B	Z	-4.664	2.33
9	MP3B	Mx	.002	2.33
10	MP3B	X	0	6.33
11	MP3B	Z	-4.664	6.33
12	MP3B	Mx	.002	6.33
13	MP3C	X	0	2.33
14	MP3C	Z	-4.664	2.33
15	MP3C	Mx	.002	2.33
16	MP3C	X	0	6.33
17	MP3C	Z	-4.664	6.33
18	MP3C	Mx	.002	6.33
19	MP3A	X	0	2.33
20	MP3A	Z	-5.749	2.33
21	MP3A	Mx	.004	2.33
22	MP3A	X	0	6.33
23	MP3A	Z	-5.749	6.33
24	MP3A	Mx	.004	6.33
25	MP3B	X	0	2.33
26	MP3B	Z	-4.664	2.33
27	MP3B	Mx	-.002	2.33
28	MP3B	X	0	6.33
29	MP3B	Z	-4.664	6.33
30	MP3B	Mx	-.002	6.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
31	MP3C	X	0	2.33
32	MP3C	Z	-4.664	2.33
33	MP3C	Mx	-.002	2.33
34	MP3C	X	0	6.33
35	MP3C	Z	-4.664	6.33
36	MP3C	Mx	-.002	6.33
37	MP2A	X	0	3.33
38	MP2A	Z	-4.765	3.33
39	MP2A	Mx	0	3.33
40	MP2A	X	0	5.33
41	MP2A	Z	-4.765	5.33
42	MP2A	Mx	0	5.33
43	MP2B	X	0	3.33
44	MP2B	Z	-2.422	3.33
45	MP2B	Mx	.001	3.33
46	MP2B	X	0	5.33
47	MP2B	Z	-2.422	5.33
48	MP2B	Mx	.001	5.33
49	MP2C	X	0	3.33
50	MP2C	Z	-2.422	3.33
51	MP2C	Mx	-.001	3.33
52	MP2C	X	0	5.33
53	MP2C	Z	-2.422	5.33
54	MP2C	Mx	-.001	5.33
55	MP3A	X	0	1.5
56	MP3A	Z	-3.768	1.5
57	MP3A	Mx	0	1.5
58	MP3B	X	0	1.5
59	MP3B	Z	-2.838	1.5
60	MP3B	Mx	-.001	1.5
61	MP3C	X	0	1.5
62	MP3C	Z	-2.838	1.5
63	MP3C	Mx	.001	1.5
64	MP2A	X	0	1.5
65	MP2A	Z	-3.768	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	-2.656	1.5
69	MP2B	Mx	-.001	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	-2.656	1.5
72	MP2C	Mx	.001	1.5
73	OVP	X	0	1.5
74	OVP	Z	-9.213	1.5
75	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	2.694	2.33
2	MP3A	Z	-4.666	2.33
3	MP3A	Mx	-.004	2.33
4	MP3A	X	2.694	6.33
5	MP3A	Z	-4.666	6.33
6	MP3A	Mx	-.004	6.33
7	MP3B	X	2.151	2.33
8	MP3B	Z	-3.726	2.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
9	MP3B	Mx	0	2.33
10	MP3B	X	2.151	6.33
11	MP3B	Z	-3.726	6.33
12	MP3B	Mx	0	6.33
13	MP3C	X	2.694	2.33
14	MP3C	Z	-4.666	2.33
15	MP3C	Mx	.004	2.33
16	MP3C	X	2.694	6.33
17	MP3C	Z	-4.666	6.33
18	MP3C	Mx	.004	6.33
19	MP3A	X	2.694	2.33
20	MP3A	Z	-4.666	2.33
21	MP3A	Mx	.004	2.33
22	MP3A	X	2.694	6.33
23	MP3A	Z	-4.666	6.33
24	MP3A	Mx	.004	6.33
25	MP3B	X	2.151	2.33
26	MP3B	Z	-3.726	2.33
27	MP3B	Mx	0	2.33
28	MP3B	X	2.151	6.33
29	MP3B	Z	-3.726	6.33
30	MP3B	Mx	0	6.33
31	MP3C	X	2.694	2.33
32	MP3C	Z	-4.666	2.33
33	MP3C	Mx	-.004	2.33
34	MP3C	X	2.694	6.33
35	MP3C	Z	-4.666	6.33
36	MP3C	Mx	-.004	6.33
37	MP2A	X	1.992	3.33
38	MP2A	Z	-3.45	3.33
39	MP2A	Mx	-.000996	3.33
40	MP2A	X	1.992	5.33
41	MP2A	Z	-3.45	5.33
42	MP2A	Mx	-.000996	5.33
43	MP2B	X	.82	3.33
44	MP2B	Z	-1.421	3.33
45	MP2B	Mx	.00082	3.33
46	MP2B	X	.82	5.33
47	MP2B	Z	-1.421	5.33
48	MP2B	Mx	.00082	5.33
49	MP2C	X	1.992	3.33
50	MP2C	Z	-3.45	3.33
51	MP2C	Mx	-.000996	3.33
52	MP2C	X	1.992	5.33
53	MP2C	Z	-3.45	5.33
54	MP2C	Mx	-.000996	5.33
55	MP3A	X	1.729	1.5
56	MP3A	Z	-2.995	1.5
57	MP3A	Mx	.000864	1.5
58	MP3B	X	1.264	1.5
59	MP3B	Z	-2.19	1.5
60	MP3B	Mx	-.001	1.5
61	MP3C	X	1.729	1.5
62	MP3C	Z	-2.995	1.5
63	MP3C	Mx	.000865	1.5
64	MP2A	X	1.699	1.5
65	MP2A	Z	-2.942	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
66	MP2A	Mx	.00085	1.5
67	MP2B	X	1.143	1.5
68	MP2B	Z	-1.979	1.5
69	MP2B	Mx	-.001	1.5
70	MP2C	X	1.699	1.5
71	MP2C	Z	-2.942	1.5
72	MP2C	Mx	.000849	1.5
73	OVP	X	4.217	1.5
74	OVP	Z	-7.305	1.5
75	OVP	Mx	-.002	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	4.04	2.33
2	MP3A	Z	-2.332	2.33
3	MP3A	Mx	-.002	2.33
4	MP3A	X	4.04	6.33
5	MP3A	Z	-2.332	6.33
6	MP3A	Mx	-.002	6.33
7	MP3B	X	4.04	2.33
8	MP3B	Z	-2.332	2.33
9	MP3B	Mx	-.002	2.33
10	MP3B	X	4.04	6.33
11	MP3B	Z	-2.332	6.33
12	MP3B	Mx	-.002	6.33
13	MP3C	X	4.979	2.33
14	MP3C	Z	-2.875	2.33
15	MP3C	Mx	.004	2.33
16	MP3C	X	4.979	6.33
17	MP3C	Z	-2.875	6.33
18	MP3C	Mx	.004	6.33
19	MP3A	X	4.04	2.33
20	MP3A	Z	-2.332	2.33
21	MP3A	Mx	.002	2.33
22	MP3A	X	4.04	6.33
23	MP3A	Z	-2.332	6.33
24	MP3A	Mx	.002	6.33
25	MP3B	X	4.04	2.33
26	MP3B	Z	-2.332	2.33
27	MP3B	Mx	.002	2.33
28	MP3B	X	4.04	6.33
29	MP3B	Z	-2.332	6.33
30	MP3B	Mx	.002	6.33
31	MP3C	X	4.979	2.33
32	MP3C	Z	-2.875	2.33
33	MP3C	Mx	-.004	2.33
34	MP3C	X	4.979	6.33
35	MP3C	Z	-2.875	6.33
36	MP3C	Mx	-.004	6.33
37	MP2A	X	2.097	3.33
38	MP2A	Z	-1.211	3.33
39	MP2A	Mx	-.001	3.33
40	MP2A	X	2.097	5.33
41	MP2A	Z	-1.211	5.33
42	MP2A	Mx	-.001	5.33
43	MP2B	X	2.097	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
44	MP2B	Z	-1.211	3.33
45	MP2B	Mx	.001	3.33
46	MP2B	X	2.097	5.33
47	MP2B	Z	-1.211	5.33
48	MP2B	Mx	.001	5.33
49	MP2C	X	4.126	3.33
50	MP2C	Z	-2.382	3.33
51	MP2C	Mx	0	3.33
52	MP2C	X	4.126	5.33
53	MP2C	Z	-2.382	5.33
54	MP2C	Mx	0	5.33
55	MP3A	X	2.458	1.5
56	MP3A	Z	-1.419	1.5
57	MP3A	Mx	.001	1.5
58	MP3B	X	2.458	1.5
59	MP3B	Z	-1.419	1.5
60	MP3B	Mx	-.001	1.5
61	MP3C	X	3.263	1.5
62	MP3C	Z	-1.884	1.5
63	MP3C	Mx	0	1.5
64	MP2A	X	2.3	1.5
65	MP2A	Z	-1.328	1.5
66	MP2A	Mx	.001	1.5
67	MP2B	X	2.3	1.5
68	MP2B	Z	-1.328	1.5
69	MP2B	Mx	-.001	1.5
70	MP2C	X	3.263	1.5
71	MP2C	Z	-1.884	1.5
72	MP2C	Mx	0	1.5
73	OVP	X	5.956	1.5
74	OVP	Z	-3.439	1.5
75	OVP	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	4.303	2.33
2	MP3A	Z	0	2.33
3	MP3A	Mx	0	2.33
4	MP3A	X	4.303	6.33
5	MP3A	Z	0	6.33
6	MP3A	Mx	0	6.33
7	MP3B	X	5.388	2.33
8	MP3B	Z	0	2.33
9	MP3B	Mx	-.004	2.33
10	MP3B	X	5.388	6.33
11	MP3B	Z	0	6.33
12	MP3B	Mx	-.004	6.33
13	MP3C	X	5.388	2.33
14	MP3C	Z	0	2.33
15	MP3C	Mx	.004	2.33
16	MP3C	X	5.388	6.33
17	MP3C	Z	0	6.33
18	MP3C	Mx	.004	6.33
19	MP3A	X	4.303	2.33
20	MP3A	Z	0	2.33
21	MP3A	Mx	0	2.33

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
22	MP3A	X	4.303	6.33
23	MP3A	Z	0	6.33
24	MP3A	Mx	0	6.33
25	MP3B	X	5.388	2.33
26	MP3B	Z	0	2.33
27	MP3B	Mx	.004	2.33
28	MP3B	X	5.388	6.33
29	MP3B	Z	0	6.33
30	MP3B	Mx	.004	6.33
31	MP3C	X	5.388	2.33
32	MP3C	Z	0	2.33
33	MP3C	Mx	-.004	2.33
34	MP3C	X	5.388	6.33
35	MP3C	Z	0	6.33
36	MP3C	Mx	-.004	6.33
37	MP2A	X	1.641	3.33
38	MP2A	Z	0	3.33
39	MP2A	Mx	-.00082	3.33
40	MP2A	X	1.641	5.33
41	MP2A	Z	0	5.33
42	MP2A	Mx	-.00082	5.33
43	MP2B	X	3.984	3.33
44	MP2B	Z	0	3.33
45	MP2B	Mx	.000996	3.33
46	MP2B	X	3.984	5.33
47	MP2B	Z	0	5.33
48	MP2B	Mx	.000996	5.33
49	MP2C	X	3.984	3.33
50	MP2C	Z	0	3.33
51	MP2C	Mx	.000996	3.33
52	MP2C	X	3.984	5.33
53	MP2C	Z	0	5.33
54	MP2C	Mx	.000996	5.33
55	MP3A	X	2.528	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	.001	1.5
58	MP3B	X	3.458	1.5
59	MP3B	Z	0	1.5
60	MP3B	Mx	-.000864	1.5
61	MP3C	X	3.458	1.5
62	MP3C	Z	0	1.5
63	MP3C	Mx	-.000864	1.5
64	MP2A	X	2.285	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	.001	1.5
67	MP2B	X	3.397	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	-.000849	1.5
70	MP2C	X	3.397	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	-.000849	1.5
73	OVP	X	6.099	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
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Member Point Loads (BLC 31 : Antenna Wm (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	4.04	2.33
2	MP3A	Z	2.332	2.33
3	MP3A	Mx	.002	2.33
4	MP3A	X	4.04	6.33
5	MP3A	Z	2.332	6.33
6	MP3A	Mx	.002	6.33
7	MP3B	X	4.979	2.33
8	MP3B	Z	2.875	2.33
9	MP3B	Mx	-.004	2.33
10	MP3B	X	4.979	6.33
11	MP3B	Z	2.875	6.33
12	MP3B	Mx	-.004	6.33
13	MP3C	X	4.04	2.33
14	MP3C	Z	2.332	2.33
15	MP3C	Mx	.002	2.33
16	MP3C	X	4.04	6.33
17	MP3C	Z	2.332	6.33
18	MP3C	Mx	.002	6.33
19	MP3A	X	4.04	2.33
20	MP3A	Z	2.332	2.33
21	MP3A	Mx	-.002	2.33
22	MP3A	X	4.04	6.33
23	MP3A	Z	2.332	6.33
24	MP3A	Mx	-.002	6.33
25	MP3B	X	4.979	2.33
26	MP3B	Z	2.875	2.33
27	MP3B	Mx	.004	2.33
28	MP3B	X	4.979	6.33
29	MP3B	Z	2.875	6.33
30	MP3B	Mx	.004	6.33
31	MP3C	X	4.04	2.33
32	MP3C	Z	2.332	2.33
33	MP3C	Mx	-.002	2.33
34	MP3C	X	4.04	6.33
35	MP3C	Z	2.332	6.33
36	MP3C	Mx	-.002	6.33
37	MP2A	X	2.097	3.33
38	MP2A	Z	1.211	3.33
39	MP2A	Mx	-.001	3.33
40	MP2A	X	2.097	5.33
41	MP2A	Z	1.211	5.33
42	MP2A	Mx	-.001	5.33
43	MP2B	X	4.126	3.33
44	MP2B	Z	2.382	3.33
45	MP2B	Mx	0	3.33
46	MP2B	X	4.126	5.33
47	MP2B	Z	2.382	5.33
48	MP2B	Mx	0	5.33
49	MP2C	X	2.097	3.33
50	MP2C	Z	1.211	3.33
51	MP2C	Mx	.001	3.33
52	MP2C	X	2.097	5.33
53	MP2C	Z	1.211	5.33
54	MP2C	Mx	.001	5.33
55	MP3A	X	2.458	1.5
56	MP3A	Z	1.419	1.5
57	MP3A	Mx	.001	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP3B	X	3.263	1.5
59	MP3B	Z	1.884	1.5
60	MP3B	Mx	0	1.5
61	MP3C	X	2.458	1.5
62	MP3C	Z	1.419	1.5
63	MP3C	Mx	-.001	1.5
64	MP2A	X	2.3	1.5
65	MP2A	Z	1.328	1.5
66	MP2A	Mx	.001	1.5
67	MP2B	X	3.263	1.5
68	MP2B	Z	1.884	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	2.3	1.5
71	MP2C	Z	1.328	1.5
72	MP2C	Mx	-.001	1.5
73	OVP	X	5.956	1.5
74	OVP	Z	3.439	1.5
75	OVP	Mx	-.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	2.694	2.33
2	MP3A	Z	4.666	2.33
3	MP3A	Mx	.004	2.33
4	MP3A	X	2.694	6.33
5	MP3A	Z	4.666	6.33
6	MP3A	Mx	.004	6.33
7	MP3B	X	2.694	2.33
8	MP3B	Z	4.666	2.33
9	MP3B	Mx	-.004	2.33
10	MP3B	X	2.694	6.33
11	MP3B	Z	4.666	6.33
12	MP3B	Mx	-.004	6.33
13	MP3C	X	2.151	2.33
14	MP3C	Z	3.726	2.33
15	MP3C	Mx	0	2.33
16	MP3C	X	2.151	6.33
17	MP3C	Z	3.726	6.33
18	MP3C	Mx	0	6.33
19	MP3A	X	2.694	2.33
20	MP3A	Z	4.666	2.33
21	MP3A	Mx	-.004	2.33
22	MP3A	X	2.694	6.33
23	MP3A	Z	4.666	6.33
24	MP3A	Mx	-.004	6.33
25	MP3B	X	2.694	2.33
26	MP3B	Z	4.666	2.33
27	MP3B	Mx	.004	2.33
28	MP3B	X	2.694	6.33
29	MP3B	Z	4.666	6.33
30	MP3B	Mx	.004	6.33
31	MP3C	X	2.151	2.33
32	MP3C	Z	3.726	2.33
33	MP3C	Mx	0	2.33
34	MP3C	X	2.151	6.33
35	MP3C	Z	3.726	6.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
36	MP3C	Mx	0	6.33
37	MP2A	X	1.992	3.33
38	MP2A	Z	3.45	3.33
39	MP2A	Mx	-0.000996	3.33
40	MP2A	X	1.992	5.33
41	MP2A	Z	3.45	5.33
42	MP2A	Mx	-0.000996	5.33
43	MP2B	X	1.992	3.33
44	MP2B	Z	3.45	3.33
45	MP2B	Mx	-0.000996	3.33
46	MP2B	X	1.992	5.33
47	MP2B	Z	3.45	5.33
48	MP2B	Mx	-0.000996	5.33
49	MP2C	X	.82	3.33
50	MP2C	Z	1.421	3.33
51	MP2C	Mx	.00082	3.33
52	MP2C	X	.82	5.33
53	MP2C	Z	1.421	5.33
54	MP2C	Mx	.00082	5.33
55	MP3A	X	1.729	1.5
56	MP3A	Z	2.995	1.5
57	MP3A	Mx	.000864	1.5
58	MP3B	X	1.729	1.5
59	MP3B	Z	2.995	1.5
60	MP3B	Mx	.000865	1.5
61	MP3C	X	1.264	1.5
62	MP3C	Z	2.19	1.5
63	MP3C	Mx	-.001	1.5
64	MP2A	X	1.699	1.5
65	MP2A	Z	2.942	1.5
66	MP2A	Mx	.00085	1.5
67	MP2B	X	1.699	1.5
68	MP2B	Z	2.942	1.5
69	MP2B	Mx	.000849	1.5
70	MP2C	X	1.143	1.5
71	MP2C	Z	1.979	1.5
72	MP2C	Mx	-.001	1.5
73	OVP	X	4.217	1.5
74	OVP	Z	7.305	1.5
75	OVP	Mx	-.002	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	2.33
2	MP3A	Z	5.749	2.33
3	MP3A	Mx	.004	2.33
4	MP3A	X	0	6.33
5	MP3A	Z	5.749	6.33
6	MP3A	Mx	.004	6.33
7	MP3B	X	0	2.33
8	MP3B	Z	4.664	2.33
9	MP3B	Mx	-.002	2.33
10	MP3B	X	0	6.33
11	MP3B	Z	4.664	6.33
12	MP3B	Mx	-.002	6.33
13	MP3C	X	0	2.33

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
14	MP3C	Z	4.664	2.33
15	MP3C	Mx	-.002	2.33
16	MP3C	X	0	6.33
17	MP3C	Z	4.664	6.33
18	MP3C	Mx	-.002	6.33
19	MP3A	X	0	2.33
20	MP3A	Z	5.749	2.33
21	MP3A	Mx	-.004	2.33
22	MP3A	X	0	6.33
23	MP3A	Z	5.749	6.33
24	MP3A	Mx	-.004	6.33
25	MP3B	X	0	2.33
26	MP3B	Z	4.664	2.33
27	MP3B	Mx	.002	2.33
28	MP3B	X	0	6.33
29	MP3B	Z	4.664	6.33
30	MP3B	Mx	.002	6.33
31	MP3C	X	0	2.33
32	MP3C	Z	4.664	2.33
33	MP3C	Mx	.002	2.33
34	MP3C	X	0	6.33
35	MP3C	Z	4.664	6.33
36	MP3C	Mx	.002	6.33
37	MP2A	X	0	3.33
38	MP2A	Z	4.765	3.33
39	MP2A	Mx	0	3.33
40	MP2A	X	0	5.33
41	MP2A	Z	4.765	5.33
42	MP2A	Mx	0	5.33
43	MP2B	X	0	3.33
44	MP2B	Z	2.422	3.33
45	MP2B	Mx	-.001	3.33
46	MP2B	X	0	5.33
47	MP2B	Z	2.422	5.33
48	MP2B	Mx	-.001	5.33
49	MP2C	X	0	3.33
50	MP2C	Z	2.422	3.33
51	MP2C	Mx	.001	3.33
52	MP2C	X	0	5.33
53	MP2C	Z	2.422	5.33
54	MP2C	Mx	.001	5.33
55	MP3A	X	0	1.5
56	MP3A	Z	3.768	1.5
57	MP3A	Mx	0	1.5
58	MP3B	X	0	1.5
59	MP3B	Z	2.838	1.5
60	MP3B	Mx	.001	1.5
61	MP3C	X	0	1.5
62	MP3C	Z	2.838	1.5
63	MP3C	Mx	-.001	1.5
64	MP2A	X	0	1.5
65	MP2A	Z	3.768	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	2.656	1.5
69	MP2B	Mx	.001	1.5
70	MP2C	X	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
71	MP2C	Z	2.656	1.5
72	MP2C	Mx	-.001	1.5
73	OVP	X	0	1.5
74	OVP	Z	9.213	1.5
75	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-2.694	2.33
2	MP3A	Z	4.666	2.33
3	MP3A	Mx	.004	2.33
4	MP3A	X	-2.694	6.33
5	MP3A	Z	4.666	6.33
6	MP3A	Mx	.004	6.33
7	MP3B	X	-2.151	2.33
8	MP3B	Z	3.726	2.33
9	MP3B	Mx	0	2.33
10	MP3B	X	-2.151	6.33
11	MP3B	Z	3.726	6.33
12	MP3B	Mx	0	6.33
13	MP3C	X	-2.694	2.33
14	MP3C	Z	4.666	2.33
15	MP3C	Mx	-.004	2.33
16	MP3C	X	-2.694	6.33
17	MP3C	Z	4.666	6.33
18	MP3C	Mx	-.004	6.33
19	MP3A	X	-2.694	2.33
20	MP3A	Z	4.666	2.33
21	MP3A	Mx	-.004	2.33
22	MP3A	X	-2.694	6.33
23	MP3A	Z	4.666	6.33
24	MP3A	Mx	-.004	6.33
25	MP3B	X	-2.151	2.33
26	MP3B	Z	3.726	2.33
27	MP3B	Mx	0	2.33
28	MP3B	X	-2.151	6.33
29	MP3B	Z	3.726	6.33
30	MP3B	Mx	0	6.33
31	MP3C	X	-2.694	2.33
32	MP3C	Z	4.666	2.33
33	MP3C	Mx	.004	2.33
34	MP3C	X	-2.694	6.33
35	MP3C	Z	4.666	6.33
36	MP3C	Mx	.004	6.33
37	MP2A	X	-1.992	3.33
38	MP2A	Z	3.45	3.33
39	MP2A	Mx	.000996	3.33
40	MP2A	X	-1.992	5.33
41	MP2A	Z	3.45	5.33
42	MP2A	Mx	.000996	5.33
43	MP2B	X	-.82	3.33
44	MP2B	Z	1.421	3.33
45	MP2B	Mx	-.00082	3.33
46	MP2B	X	-.82	5.33
47	MP2B	Z	1.421	5.33
48	MP2B	Mx	-.00082	5.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
49	MP2C	X	-1.992	3.33
50	MP2C	Z	3.45	3.33
51	MP2C	Mx	.000996	3.33
52	MP2C	X	-1.992	5.33
53	MP2C	Z	3.45	5.33
54	MP2C	Mx	.000996	5.33
55	MP3A	X	-1.729	1.5
56	MP3A	Z	2.995	1.5
57	MP3A	Mx	-.000864	1.5
58	MP3B	X	-1.264	1.5
59	MP3B	Z	2.19	1.5
60	MP3B	Mx	.001	1.5
61	MP3C	X	-1.729	1.5
62	MP3C	Z	2.995	1.5
63	MP3C	Mx	-.000865	1.5
64	MP2A	X	-1.699	1.5
65	MP2A	Z	2.942	1.5
66	MP2A	Mx	-.00085	1.5
67	MP2B	X	-1.143	1.5
68	MP2B	Z	1.979	1.5
69	MP2B	Mx	.001	1.5
70	MP2C	X	-1.699	1.5
71	MP2C	Z	2.942	1.5
72	MP2C	Mx	-.000849	1.5
73	OVP	X	-4.217	1.5
74	OVP	Z	7.305	1.5
75	OVP	Mx	.002	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-4.04	2.33
2	MP3A	Z	2.332	2.33
3	MP3A	Mx	.002	2.33
4	MP3A	X	-4.04	6.33
5	MP3A	Z	2.332	6.33
6	MP3A	Mx	.002	6.33
7	MP3B	X	-4.04	2.33
8	MP3B	Z	2.332	2.33
9	MP3B	Mx	.002	2.33
10	MP3B	X	-4.04	6.33
11	MP3B	Z	2.332	6.33
12	MP3B	Mx	.002	6.33
13	MP3C	X	-4.979	2.33
14	MP3C	Z	2.875	2.33
15	MP3C	Mx	-.004	2.33
16	MP3C	X	-4.979	6.33
17	MP3C	Z	2.875	6.33
18	MP3C	Mx	-.004	6.33
19	MP3A	X	-4.04	2.33
20	MP3A	Z	2.332	2.33
21	MP3A	Mx	-.002	2.33
22	MP3A	X	-4.04	6.33
23	MP3A	Z	2.332	6.33
24	MP3A	Mx	-.002	6.33
25	MP3B	X	-4.04	2.33
26	MP3B	Z	2.332	2.33

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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 Checked By: DX

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
27	MP3B	Mx	-.002	2.33
28	MP3B	X	-4.04	6.33
29	MP3B	Z	2.332	6.33
30	MP3B	Mx	-.002	6.33
31	MP3C	X	-4.979	2.33
32	MP3C	Z	2.875	2.33
33	MP3C	Mx	.004	2.33
34	MP3C	X	-4.979	6.33
35	MP3C	Z	2.875	6.33
36	MP3C	Mx	.004	6.33
37	MP2A	X	-2.097	3.33
38	MP2A	Z	1.211	3.33
39	MP2A	Mx	.001	3.33
40	MP2A	X	-2.097	5.33
41	MP2A	Z	1.211	5.33
42	MP2A	Mx	.001	5.33
43	MP2B	X	-2.097	3.33
44	MP2B	Z	1.211	3.33
45	MP2B	Mx	-.001	3.33
46	MP2B	X	-2.097	5.33
47	MP2B	Z	1.211	5.33
48	MP2B	Mx	-.001	5.33
49	MP2C	X	-4.126	3.33
50	MP2C	Z	2.382	3.33
51	MP2C	Mx	0	3.33
52	MP2C	X	-4.126	5.33
53	MP2C	Z	2.382	5.33
54	MP2C	Mx	0	5.33
55	MP3A	X	-2.458	1.5
56	MP3A	Z	1.419	1.5
57	MP3A	Mx	-.001	1.5
58	MP3B	X	-2.458	1.5
59	MP3B	Z	1.419	1.5
60	MP3B	Mx	.001	1.5
61	MP3C	X	-3.263	1.5
62	MP3C	Z	1.884	1.5
63	MP3C	Mx	0	1.5
64	MP2A	X	-2.3	1.5
65	MP2A	Z	1.328	1.5
66	MP2A	Mx	-.001	1.5
67	MP2B	X	-2.3	1.5
68	MP2B	Z	1.328	1.5
69	MP2B	Mx	.001	1.5
70	MP2C	X	-3.263	1.5
71	MP2C	Z	1.884	1.5
72	MP2C	Mx	0	1.5
73	OVP	X	-5.956	1.5
74	OVP	Z	3.439	1.5
75	OVP	Mx	.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-4.303	2.33
2	MP3A	Z	0	2.33
3	MP3A	Mx	0	2.33
4	MP3A	X	-4.303	6.33

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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 Checked By: DX

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
5	MP3A	Z	0	6.33
6	MP3A	Mx	0	6.33
7	MP3B	X	-5.388	2.33
8	MP3B	Z	0	2.33
9	MP3B	Mx	.004	2.33
10	MP3B	X	-5.388	6.33
11	MP3B	Z	0	6.33
12	MP3B	Mx	.004	6.33
13	MP3C	X	-5.388	2.33
14	MP3C	Z	0	2.33
15	MP3C	Mx	-.004	2.33
16	MP3C	X	-5.388	6.33
17	MP3C	Z	0	6.33
18	MP3C	Mx	-.004	6.33
19	MP3A	X	-4.303	2.33
20	MP3A	Z	0	2.33
21	MP3A	Mx	0	2.33
22	MP3A	X	-4.303	6.33
23	MP3A	Z	0	6.33
24	MP3A	Mx	0	6.33
25	MP3B	X	-5.388	2.33
26	MP3B	Z	0	2.33
27	MP3B	Mx	-.004	2.33
28	MP3B	X	-5.388	6.33
29	MP3B	Z	0	6.33
30	MP3B	Mx	-.004	6.33
31	MP3C	X	-5.388	2.33
32	MP3C	Z	0	2.33
33	MP3C	Mx	.004	2.33
34	MP3C	X	-5.388	6.33
35	MP3C	Z	0	6.33
36	MP3C	Mx	.004	6.33
37	MP2A	X	-1.641	3.33
38	MP2A	Z	0	3.33
39	MP2A	Mx	.00082	3.33
40	MP2A	X	-1.641	5.33
41	MP2A	Z	0	5.33
42	MP2A	Mx	.00082	5.33
43	MP2B	X	-3.984	3.33
44	MP2B	Z	0	3.33
45	MP2B	Mx	-.000996	3.33
46	MP2B	X	-3.984	5.33
47	MP2B	Z	0	5.33
48	MP2B	Mx	-.000996	5.33
49	MP2C	X	-3.984	3.33
50	MP2C	Z	0	3.33
51	MP2C	Mx	-.000996	3.33
52	MP2C	X	-3.984	5.33
53	MP2C	Z	0	5.33
54	MP2C	Mx	-.000996	5.33
55	MP3A	X	-2.528	1.5
56	MP3A	Z	0	1.5
57	MP3A	Mx	-.001	1.5
58	MP3B	X	-3.458	1.5
59	MP3B	Z	0	1.5
60	MP3B	Mx	.000864	1.5
61	MP3C	X	-3.458	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
62	MP3C	Z	0	1.5
63	MP3C	Mx	.000864	1.5
64	MP2A	X	-2.285	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	-.001	1.5
67	MP2B	X	-3.397	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	.000849	1.5
70	MP2C	X	-3.397	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	.000849	1.5
73	OVP	X	-6.099	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-4.04	2.33
2	MP3A	Z	-2.332	2.33
3	MP3A	Mx	-.002	2.33
4	MP3A	X	-4.04	6.33
5	MP3A	Z	-2.332	6.33
6	MP3A	Mx	-.002	6.33
7	MP3B	X	-4.979	2.33
8	MP3B	Z	-2.875	2.33
9	MP3B	Mx	.004	2.33
10	MP3B	X	-4.979	6.33
11	MP3B	Z	-2.875	6.33
12	MP3B	Mx	.004	6.33
13	MP3C	X	-4.04	2.33
14	MP3C	Z	-2.332	2.33
15	MP3C	Mx	-.002	2.33
16	MP3C	X	-4.04	6.33
17	MP3C	Z	-2.332	6.33
18	MP3C	Mx	-.002	6.33
19	MP3A	X	-4.04	2.33
20	MP3A	Z	-2.332	2.33
21	MP3A	Mx	.002	2.33
22	MP3A	X	-4.04	6.33
23	MP3A	Z	-2.332	6.33
24	MP3A	Mx	.002	6.33
25	MP3B	X	-4.979	2.33
26	MP3B	Z	-2.875	2.33
27	MP3B	Mx	-.004	2.33
28	MP3B	X	-4.979	6.33
29	MP3B	Z	-2.875	6.33
30	MP3B	Mx	-.004	6.33
31	MP3C	X	-4.04	2.33
32	MP3C	Z	-2.332	2.33
33	MP3C	Mx	.002	2.33
34	MP3C	X	-4.04	6.33
35	MP3C	Z	-2.332	6.33
36	MP3C	Mx	.002	6.33
37	MP2A	X	-2.097	3.33
38	MP2A	Z	-1.211	3.33
39	MP2A	Mx	.001	3.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
40	MP2A	X	-2.097	5.33
41	MP2A	Z	-1.211	5.33
42	MP2A	Mx	.001	5.33
43	MP2B	X	-4.126	3.33
44	MP2B	Z	-2.382	3.33
45	MP2B	Mx	0	3.33
46	MP2B	X	-4.126	5.33
47	MP2B	Z	-2.382	5.33
48	MP2B	Mx	0	5.33
49	MP2C	X	-2.097	3.33
50	MP2C	Z	-1.211	3.33
51	MP2C	Mx	-.001	3.33
52	MP2C	X	-2.097	5.33
53	MP2C	Z	-1.211	5.33
54	MP2C	Mx	-.001	5.33
55	MP3A	X	-2.458	1.5
56	MP3A	Z	-1.419	1.5
57	MP3A	Mx	-.001	1.5
58	MP3B	X	-3.263	1.5
59	MP3B	Z	-1.884	1.5
60	MP3B	Mx	0	1.5
61	MP3C	X	-2.458	1.5
62	MP3C	Z	-1.419	1.5
63	MP3C	Mx	.001	1.5
64	MP2A	X	-2.3	1.5
65	MP2A	Z	-1.328	1.5
66	MP2A	Mx	-.001	1.5
67	MP2B	X	-3.263	1.5
68	MP2B	Z	-1.884	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	-2.3	1.5
71	MP2C	Z	-1.328	1.5
72	MP2C	Mx	.001	1.5
73	OVP	X	-5.956	1.5
74	OVP	Z	-3.439	1.5
75	OVP	Mx	.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-2.694	2.33
2	MP3A	Z	-4.666	2.33
3	MP3A	Mx	-.004	2.33
4	MP3A	X	-2.694	6.33
5	MP3A	Z	-4.666	6.33
6	MP3A	Mx	-.004	6.33
7	MP3B	X	-2.694	2.33
8	MP3B	Z	-4.666	2.33
9	MP3B	Mx	.004	2.33
10	MP3B	X	-2.694	6.33
11	MP3B	Z	-4.666	6.33
12	MP3B	Mx	.004	6.33
13	MP3C	X	-2.151	2.33
14	MP3C	Z	-3.726	2.33
15	MP3C	Mx	0	2.33
16	MP3C	X	-2.151	6.33
17	MP3C	Z	-3.726	6.33

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
18	MP3C	Mx	0	6.33
19	MP3A	X	-2.694	2.33
20	MP3A	Z	-4.666	2.33
21	MP3A	Mx	.004	2.33
22	MP3A	X	-2.694	6.33
23	MP3A	Z	-4.666	6.33
24	MP3A	Mx	.004	6.33
25	MP3B	X	-2.694	2.33
26	MP3B	Z	-4.666	2.33
27	MP3B	Mx	-.004	2.33
28	MP3B	X	-2.694	6.33
29	MP3B	Z	-4.666	6.33
30	MP3B	Mx	-.004	6.33
31	MP3C	X	-2.151	2.33
32	MP3C	Z	-3.726	2.33
33	MP3C	Mx	0	2.33
34	MP3C	X	-2.151	6.33
35	MP3C	Z	-3.726	6.33
36	MP3C	Mx	0	6.33
37	MP2A	X	-1.992	3.33
38	MP2A	Z	-3.45	3.33
39	MP2A	Mx	.000996	3.33
40	MP2A	X	-1.992	5.33
41	MP2A	Z	-3.45	5.33
42	MP2A	Mx	.000996	5.33
43	MP2B	X	-1.992	3.33
44	MP2B	Z	-3.45	3.33
45	MP2B	Mx	.000996	3.33
46	MP2B	X	-1.992	5.33
47	MP2B	Z	-3.45	5.33
48	MP2B	Mx	.000996	5.33
49	MP2C	X	-.82	3.33
50	MP2C	Z	-1.421	3.33
51	MP2C	Mx	-.00082	3.33
52	MP2C	X	-.82	5.33
53	MP2C	Z	-1.421	5.33
54	MP2C	Mx	-.00082	5.33
55	MP3A	X	-1.729	1.5
56	MP3A	Z	-2.995	1.5
57	MP3A	Mx	-.000864	1.5
58	MP3B	X	-1.729	1.5
59	MP3B	Z	-2.995	1.5
60	MP3B	Mx	-.000865	1.5
61	MP3C	X	-1.264	1.5
62	MP3C	Z	-2.19	1.5
63	MP3C	Mx	.001	1.5
64	MP2A	X	-1.699	1.5
65	MP2A	Z	-2.942	1.5
66	MP2A	Mx	-.00085	1.5
67	MP2B	X	-1.699	1.5
68	MP2B	Z	-2.942	1.5
69	MP2B	Mx	-.000849	1.5
70	MP2C	X	-1.143	1.5
71	MP2C	Z	-1.979	1.5
72	MP2C	Mx	.001	1.5
73	OVP	X	-4.217	1.5
74	OVP	Z	-7.305	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
75	OVP	Mx	.002	1.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M21	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M19	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M1	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	Y	0	2.33
2	MP3A	My	0	2.33
3	MP3A	Mz	0	2.33
4	MP3A	Y	0	6.33
5	MP3A	My	0	6.33
6	MP3A	Mz	0	6.33
7	MP3B	Y	0	2.33
8	MP3B	My	0	2.33
9	MP3B	Mz	0	2.33
10	MP3B	Y	0	6.33
11	MP3B	My	0	6.33
12	MP3B	Mz	0	6.33
13	MP3C	Y	0	2.33
14	MP3C	My	0	2.33
15	MP3C	Mz	0	2.33
16	MP3C	Y	0	6.33
17	MP3C	My	0	6.33
18	MP3C	Mz	0	6.33
19	MP3A	Y	0	2.33
20	MP3A	My	0	2.33
21	MP3A	Mz	0	2.33
22	MP3A	Y	0	6.33
23	MP3A	My	0	6.33
24	MP3A	Mz	0	6.33
25	MP3B	Y	0	2.33
26	MP3B	My	0	2.33
27	MP3B	Mz	0	2.33
28	MP3B	Y	0	6.33
29	MP3B	My	0	6.33
30	MP3B	Mz	0	6.33
31	MP3C	Y	0	2.33
32	MP3C	My	0	2.33
33	MP3C	Mz	0	2.33
34	MP3C	Y	0	6.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
35	MP3C	My	0	6.33
36	MP3C	Mz	0	6.33
37	MP2A	Y	0	3.33
38	MP2A	My	0	3.33
39	MP2A	Mz	0	3.33
40	MP2A	Y	0	5.33
41	MP2A	My	0	5.33
42	MP2A	Mz	0	5.33
43	MP2B	Y	0	3.33
44	MP2B	My	0	3.33
45	MP2B	Mz	0	3.33
46	MP2B	Y	0	5.33
47	MP2B	My	0	5.33
48	MP2B	Mz	0	5.33
49	MP2C	Y	0	3.33
50	MP2C	My	0	3.33
51	MP2C	Mz	0	3.33
52	MP2C	Y	0	5.33
53	MP2C	My	0	5.33
54	MP2C	Mz	0	5.33
55	MP3A	Y	0	1.5
56	MP3A	My	0	1.5
57	MP3A	Mz	0	1.5
58	MP3B	Y	0	1.5
59	MP3B	My	0	1.5
60	MP3B	Mz	0	1.5
61	MP3C	Y	0	1.5
62	MP3C	My	0	1.5
63	MP3C	Mz	0	1.5
64	MP2A	Y	0	1.5
65	MP2A	My	0	1.5
66	MP2A	Mz	0	1.5
67	MP2B	Y	0	1.5
68	MP2B	My	0	1.5
69	MP2B	Mz	0	1.5
70	MP2C	Y	0	1.5
71	MP2C	My	0	1.5
72	MP2C	Mz	0	1.5
73	OVP	Y	0	1.5
74	OVP	My	0	1.5
75	OVP	Mz	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	Z	-.69	2.33
2	MP3A	Mx	-.000518	2.33
3	MP3A	Z	-.69	6.33
4	MP3A	Mx	-.000518	6.33
5	MP3B	Z	-.69	2.33
6	MP3B	Mx	.000259	2.33
7	MP3B	Z	-.69	6.33
8	MP3B	Mx	.000259	6.33
9	MP3C	Z	-.69	2.33
10	MP3C	Mx	.000259	2.33
11	MP3C	Z	-.69	6.33
12	MP3C	Mx	.000259	6.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
13	MP3A	Z	-.69	2.33
14	MP3A	Mx	.000518	2.33
15	MP3A	Z	-.69	6.33
16	MP3A	Mx	.000518	6.33
17	MP3B	Z	-.69	2.33
18	MP3B	Mx	-.000259	2.33
19	MP3B	Z	-.69	6.33
20	MP3B	Mx	-.000259	6.33
21	MP3C	Z	-.69	2.33
22	MP3C	Mx	-.000259	2.33
23	MP3C	Z	-.69	6.33
24	MP3C	Mx	-.000259	6.33
25	MP2A	Z	-1.306	3.33
26	MP2A	Mx	0	3.33
27	MP2A	Z	-1.306	5.33
28	MP2A	Mx	0	5.33
29	MP2B	Z	-1.306	3.33
30	MP2B	Mx	.000566	3.33
31	MP2B	Z	-1.306	5.33
32	MP2B	Mx	.000566	5.33
33	MP2C	Z	-1.306	3.33
34	MP2C	Mx	-.000566	3.33
35	MP2C	Z	-1.306	5.33
36	MP2C	Mx	-.000566	5.33
37	MP3A	Z	-2.241	1.5
38	MP3A	Mx	0	1.5
39	MP3B	Z	-2.241	1.5
40	MP3B	Mx	-.00097	1.5
41	MP3C	Z	-2.241	1.5
42	MP3C	Mx	.00097	1.5
43	MP2A	Z	-2.109	1.5
44	MP2A	Mx	0	1.5
45	MP2B	Z	-2.109	1.5
46	MP2B	Mx	-.000913	1.5
47	MP2C	Z	-2.109	1.5
48	MP2C	Mx	.000913	1.5
49	OVP	Z	-.96	1.5
50	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	.69	2.33
2	MP3A	Mx	0	2.33
3	MP3A	X	.69	6.33
4	MP3A	Mx	0	6.33
5	MP3B	X	.69	2.33
6	MP3B	Mx	-.000448	2.33
7	MP3B	X	.69	6.33
8	MP3B	Mx	-.000448	6.33
9	MP3C	X	.69	2.33
10	MP3C	Mx	.000448	2.33
11	MP3C	X	.69	6.33
12	MP3C	Mx	.000448	6.33
13	MP3A	X	.69	2.33
14	MP3A	Mx	0	2.33
15	MP3A	X	.69	6.33

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
16	MP3A	Mx	0	6.33
17	MP3B	X	.69	2.33
18	MP3B	Mx	.000448	2.33
19	MP3B	X	.69	6.33
20	MP3B	Mx	.000448	6.33
21	MP3C	X	.69	2.33
22	MP3C	Mx	-.000448	2.33
23	MP3C	X	.69	6.33
24	MP3C	Mx	-.000448	6.33
25	MP2A	X	1.306	3.33
26	MP2A	Mx	-.000653	3.33
27	MP2A	X	1.306	5.33
28	MP2A	Mx	-.000653	5.33
29	MP2B	X	1.306	3.33
30	MP2B	Mx	.000327	3.33
31	MP2B	X	1.306	5.33
32	MP2B	Mx	.000327	5.33
33	MP2C	X	1.306	3.33
34	MP2C	Mx	.000327	3.33
35	MP2C	X	1.306	5.33
36	MP2C	Mx	.000327	5.33
37	MP3A	X	2.241	1.5
38	MP3A	Mx	.001	1.5
39	MP3B	X	2.241	1.5
40	MP3B	Mx	-.00056	1.5
41	MP3C	X	2.241	1.5
42	MP3C	Mx	-.00056	1.5
43	MP2A	X	2.109	1.5
44	MP2A	Mx	.001	1.5
45	MP2B	X	2.109	1.5
46	MP2B	Mx	-.000527	1.5
47	MP2C	X	2.109	1.5
48	MP2C	Mx	-.000527	1.5
49	OVP	X	.96	1.5
50	OVP	Mx	-.00048	1.5

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	M1	Y	-6.289	-6.289	0	%100
2	M4	Y	-9.227	-9.227	0	%100
3	M10	Y	-9.227	-9.227	0	%100
4	MP3A	Y	-5.437	-5.437	0	%100
5	MP4A	Y	-4.756	-4.756	0	%100
6	MP2A	Y	-4.756	-4.756	0	%100
7	MP1A	Y	-4.756	-4.756	0	%100
8	M43	Y	-9.227	-9.227	0	%100
9	M46	Y	-9.723	-9.723	0	%100
10	M51B	Y	-5.374	-5.374	0	%100
11	M52B	Y	-5.374	-5.374	0	%100
12	M76	Y	-9.711	-9.711	0	%100
13	M77	Y	-9.711	-9.711	0	%100
14	M80	Y	-9.723	-9.723	0	%100
15	M84	Y	-9.711	-9.711	0	%100
16	M85	Y	-9.711	-9.711	0	%100
17	M91	Y	-9.723	-9.723	0	%100

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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.%]
18	M52A	Y	-9.227	-9.227	0	%100
19	M53	Y	-9.227	-9.227	0	%100
20	M54	Y	-9.227	-9.227	0	%100
21	M55	Y	-9.723	-9.723	0	%100
22	M58A	Y	-5.374	-5.374	0	%100
23	M59A	Y	-5.374	-5.374	0	%100
24	M63	Y	-9.711	-9.711	0	%100
25	M64	Y	-9.711	-9.711	0	%100
26	M66	Y	-9.723	-9.723	0	%100
27	M68	Y	-9.711	-9.711	0	%100
28	M69	Y	-9.711	-9.711	0	%100
29	M71	Y	-9.723	-9.723	0	%100
30	M76A	Y	-9.227	-9.227	0	%100
31	M77A	Y	-9.227	-9.227	0	%100
32	M78	Y	-9.227	-9.227	0	%100
33	M79A	Y	-9.723	-9.723	0	%100
34	M82	Y	-5.374	-5.374	0	%100
35	M83A	Y	-5.374	-5.374	0	%100
36	M87	Y	-9.711	-9.711	0	%100
37	M88A	Y	-9.711	-9.711	0	%100
38	M90	Y	-9.723	-9.723	0	%100
39	M92A	Y	-9.711	-9.711	0	%100
40	M93	Y	-9.711	-9.711	0	%100
41	M95	Y	-9.723	-9.723	0	%100
42	M82A	Y	-6.289	-6.289	0	%100
43	M91B	Y	-6.289	-6.289	0	%100
44	MP4C	Y	-4.756	-4.756	0	%100
45	MP1C	Y	-4.756	-4.756	0	%100
46	MP4B	Y	-4.756	-4.756	0	%100
47	MP1B	Y	-4.756	-4.756	0	%100
48	OVP	Y	-4.756	-4.756	0	%100
49	M102	Y	-5.437	-5.437	0	%100
50	M107	Y	-5.437	-5.437	0	%100
51	M112	Y	-5.437	-5.437	0	%100
52	M123	Y	-7.301	-7.301	0	%100
53	M124	Y	-7.301	-7.301	0	%100
54	M125	Y	-7.301	-7.301	0	%100
55	MP3C	Y	-5.437	-5.437	0	%100
56	MP2C	Y	-4.756	-4.756	0	%100
57	MP3B	Y	-5.437	-5.437	0	%100
58	MP2B	Y	-4.756	-4.756	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.%]
1	M1	X	0	0	0	%100
2	M1	Z	-13.164	-13.164	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-11.314	-11.314	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-10.813	-10.813	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-8.932	-8.932	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-8.932	-8.932	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.%]
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-8.932	-8.932	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-11.314	-11.314	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-22.566	-22.566	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-3.133	-3.133	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-3.133	-3.133	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-5.746	-5.746	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-6.052	-6.052	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-5.746	-5.746	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-6.052	-6.052	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-10.028	-10.028	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-2.828	-2.828	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-2.828	-2.828	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-5.642	-5.642	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-3.133	-3.133	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-12.531	-12.531	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-16.925	-16.925	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-5.746	-5.746	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-6.052	-6.052	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-16.925	-16.925	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-22.984	-22.984	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	-24.209	-24.209	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-10.028	-10.028	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-2.828	-2.828	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-2.828	-2.828	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-5.642	-5.642	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-12.531	-12.531	0	%100
69	M83A	X	0	0	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
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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.%]
70	M83A	Z	-3.133	-3.133	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-16.925	-16.925	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-22.984	-22.984	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-24.209	-24.209	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-16.925	-16.925	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-5.746	-5.746	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-6.052	-6.052	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-3.291	-3.291	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-3.291	-3.291	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-8.932	-8.932	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-8.932	-8.932	0	%100
91	MP4B	X	0	0	0	%100
92	MP4B	Z	-8.932	-8.932	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	-8.932	-8.932	0	%100
95	OVP	X	0	0	0	%100
96	OVP	Z	-7.304	-7.304	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	-10.813	-10.813	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	-2.703	-2.703	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	-2.703	-2.703	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	-13.364	-13.364	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	-3.341	-3.341	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	-3.341	-3.341	0	%100
109	MP3C	X	0	0	0	%100
110	MP3C	Z	-10.813	-10.813	0	%100
111	MP2C	X	0	0	0	%100
112	MP2C	Z	-8.932	-8.932	0	%100
113	MP3B	X	0	0	0	%100
114	MP3B	Z	-10.813	-10.813	0	%100
115	MP2B	X	0	0	0	%100
116	MP2B	Z	-8.932	-8.932	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	M1	X	4.936	4.936	0	%100
2	M1	Z	-8.55	-8.55	0	%100
3	M4	X	1.671	1.671	0	%100
4	M4	Z	-2.895	-2.895	0	%100
5	M10	X	4.243	4.243	0	%100
6	M10	Z	-7.348	-7.348	0	%100

Company : Maser Consulting
 Designer : NL
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 Model Name : Mount Fix

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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.%]
7	MP3A	X	5.406	5.406	0	%100
8	MP3A	Z	-9.364	-9.364	0	%100
9	MP4A	X	4.466	4.466	0	%100
10	MP4A	Z	-7.736	-7.736	0	%100
11	MP2A	X	4.466	4.466	0	%100
12	MP2A	Z	-7.736	-7.736	0	%100
13	MP1A	X	4.466	4.466	0	%100
14	MP1A	Z	-7.736	-7.736	0	%100
15	M43	X	4.243	4.243	0	%100
16	M43	Z	-7.348	-7.348	0	%100
17	M46	X	8.462	8.462	0	%100
18	M46	Z	-14.657	-14.657	0	%100
19	M51B	X	4.699	4.699	0	%100
20	M51B	Z	-8.139	-8.139	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	2.821	2.821	0	%100
24	M76	Z	-4.886	-4.886	0	%100
25	M77	X	8.619	8.619	0	%100
26	M77	Z	-14.929	-14.929	0	%100
27	M80	X	9.078	9.078	0	%100
28	M80	Z	-15.724	-15.724	0	%100
29	M84	X	2.821	2.821	0	%100
30	M84	Z	-4.886	-4.886	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	1.671	1.671	0	%100
36	M52A	Z	-2.895	-2.895	0	%100
37	M53	X	4.243	4.243	0	%100
38	M53	Z	-7.348	-7.348	0	%100
39	M54	X	4.243	4.243	0	%100
40	M54	Z	-7.348	-7.348	0	%100
41	M55	X	8.462	8.462	0	%100
42	M55	Z	-14.657	-14.657	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	4.699	4.699	0	%100
46	M59A	Z	-8.139	-8.139	0	%100
47	M63	X	2.821	2.821	0	%100
48	M63	Z	-4.886	-4.886	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	2.821	2.821	0	%100
54	M68	Z	-4.886	-4.886	0	%100
55	M69	X	8.619	8.619	0	%100
56	M69	Z	-14.929	-14.929	0	%100
57	M71	X	9.078	9.078	0	%100
58	M71	Z	-15.724	-15.724	0	%100
59	M76A	X	6.685	6.685	0	%100
60	M76A	Z	-11.579	-11.579	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100

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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, %]
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	4.699	4.699	0	%100
68	M82	Z	-8.139	-8.139	0	%100
69	M83A	X	4.699	4.699	0	%100
70	M83A	Z	-8.139	-8.139	0	%100
71	M87	X	11.283	11.283	0	%100
72	M87	Z	-19.543	-19.543	0	%100
73	M88A	X	8.619	8.619	0	%100
74	M88A	Z	-14.929	-14.929	0	%100
75	M90	X	9.078	9.078	0	%100
76	M90	Z	-15.724	-15.724	0	%100
77	M92A	X	11.283	11.283	0	%100
78	M92A	Z	-19.543	-19.543	0	%100
79	M93	X	8.619	8.619	0	%100
80	M93	Z	-14.929	-14.929	0	%100
81	M95	X	9.078	9.078	0	%100
82	M95	Z	-15.724	-15.724	0	%100
83	M82A	X	4.936	4.936	0	%100
84	M82A	Z	-8.55	-8.55	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP4C	X	4.466	4.466	0	%100
88	MP4C	Z	-7.736	-7.736	0	%100
89	MP1C	X	4.466	4.466	0	%100
90	MP1C	Z	-7.736	-7.736	0	%100
91	MP4B	X	4.466	4.466	0	%100
92	MP4B	Z	-7.736	-7.736	0	%100
93	MP1B	X	4.466	4.466	0	%100
94	MP1B	Z	-7.736	-7.736	0	%100
95	OVP	X	3.652	3.652	0	%100
96	OVP	Z	-6.326	-6.326	0	%100
97	M102	X	4.055	4.055	0	%100
98	M102	Z	-7.023	-7.023	0	%100
99	M107	X	4.055	4.055	0	%100
100	M107	Z	-7.023	-7.023	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	5.011	5.011	0	%100
104	M123	Z	-8.68	-8.68	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	5.011	5.011	0	%100
108	M125	Z	-8.68	-8.68	0	%100
109	MP3C	X	5.406	5.406	0	%100
110	MP3C	Z	-9.364	-9.364	0	%100
111	MP2C	X	4.466	4.466	0	%100
112	MP2C	Z	-7.736	-7.736	0	%100
113	MP3B	X	5.406	5.406	0	%100
114	MP3B	Z	-9.364	-9.364	0	%100
115	MP2B	X	4.466	4.466	0	%100
116	MP2B	Z	-7.736	-7.736	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, %]
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 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
1	M1	X	2.85	2.85	0	%100
2	M1	Z	-1.645	-1.645	0	%100
3	M4	X	8.684	8.684	0	%100
4	M4	Z	-5.014	-5.014	0	%100
5	M10	X	2.449	2.449	0	%100
6	M10	Z	-1.414	-1.414	0	%100
7	MP3A	X	9.364	9.364	0	%100
8	MP3A	Z	-5.406	-5.406	0	%100
9	MP4A	X	7.736	7.736	0	%100
10	MP4A	Z	-4.466	-4.466	0	%100
11	MP2A	X	7.736	7.736	0	%100
12	MP2A	Z	-4.466	-4.466	0	%100
13	MP1A	X	7.736	7.736	0	%100
14	MP1A	Z	-4.466	-4.466	0	%100
15	M43	X	2.449	2.449	0	%100
16	M43	Z	-1.414	-1.414	0	%100
17	M46	X	4.886	4.886	0	%100
18	M46	Z	-2.821	-2.821	0	%100
19	M51B	X	10.852	10.852	0	%100
20	M51B	Z	-6.265	-6.265	0	%100
21	M52B	X	2.713	2.713	0	%100
22	M52B	Z	-1.566	-1.566	0	%100
23	M76	X	14.657	14.657	0	%100
24	M76	Z	-8.462	-8.462	0	%100
25	M77	X	19.905	19.905	0	%100
26	M77	Z	-11.492	-11.492	0	%100
27	M80	X	20.965	20.965	0	%100
28	M80	Z	-12.104	-12.104	0	%100
29	M84	X	14.657	14.657	0	%100
30	M84	Z	-8.462	-8.462	0	%100
31	M85	X	4.976	4.976	0	%100
32	M85	Z	-2.873	-2.873	0	%100
33	M91	X	5.241	5.241	0	%100
34	M91	Z	-3.026	-3.026	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	9.798	9.798	0	%100
38	M53	Z	-5.657	-5.657	0	%100
39	M54	X	9.798	9.798	0	%100
40	M54	Z	-5.657	-5.657	0	%100
41	M55	X	19.543	19.543	0	%100
42	M55	Z	-11.283	-11.283	0	%100
43	M58A	X	2.713	2.713	0	%100
44	M58A	Z	-1.566	-1.566	0	%100
45	M59A	X	2.713	2.713	0	%100
46	M59A	Z	-1.566	-1.566	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	4.976	4.976	0	%100
50	M64	Z	-2.873	-2.873	0	%100
51	M66	X	5.241	5.241	0	%100
52	M66	Z	-3.026	-3.026	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	4.976	4.976	0	%100
56	M69	Z	-2.873	-2.873	0	%100
57	M71	X	5.241	5.241	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
58	M71	Z	-3.026	-3.026	0	%100
59	M76A	X	8.684	8.684	0	%100
60	M76A	Z	-5.014	-5.014	0	%100
61	M77A	X	2.449	2.449	0	%100
62	M77A	Z	-1.414	-1.414	0	%100
63	M78	X	2.449	2.449	0	%100
64	M78	Z	-1.414	-1.414	0	%100
65	M79A	X	4.886	4.886	0	%100
66	M79A	Z	-2.821	-2.821	0	%100
67	M82	X	2.713	2.713	0	%100
68	M82	Z	-1.566	-1.566	0	%100
69	M83A	X	10.852	10.852	0	%100
70	M83A	Z	-6.265	-6.265	0	%100
71	M87	X	14.657	14.657	0	%100
72	M87	Z	-8.462	-8.462	0	%100
73	M88A	X	4.976	4.976	0	%100
74	M88A	Z	-2.873	-2.873	0	%100
75	M90	X	5.241	5.241	0	%100
76	M90	Z	-3.026	-3.026	0	%100
77	M92A	X	14.657	14.657	0	%100
78	M92A	Z	-8.462	-8.462	0	%100
79	M93	X	19.905	19.905	0	%100
80	M93	Z	-11.492	-11.492	0	%100
81	M95	X	20.965	20.965	0	%100
82	M95	Z	-12.104	-12.104	0	%100
83	M82A	X	11.4	11.4	0	%100
84	M82A	Z	-6.582	-6.582	0	%100
85	M91B	X	2.85	2.85	0	%100
86	M91B	Z	-1.645	-1.645	0	%100
87	MP4C	X	7.736	7.736	0	%100
88	MP4C	Z	-4.466	-4.466	0	%100
89	MP1C	X	7.736	7.736	0	%100
90	MP1C	Z	-4.466	-4.466	0	%100
91	MP4B	X	7.736	7.736	0	%100
92	MP4B	Z	-4.466	-4.466	0	%100
93	MP1B	X	7.736	7.736	0	%100
94	MP1B	Z	-4.466	-4.466	0	%100
95	OVP	X	6.326	6.326	0	%100
96	OVP	Z	-3.652	-3.652	0	%100
97	M102	X	2.341	2.341	0	%100
98	M102	Z	-1.352	-1.352	0	%100
99	M107	X	9.364	9.364	0	%100
100	M107	Z	-5.406	-5.406	0	%100
101	M112	X	2.341	2.341	0	%100
102	M112	Z	-1.352	-1.352	0	%100
103	M123	X	2.893	2.893	0	%100
104	M123	Z	-1.67	-1.67	0	%100
105	M124	X	2.893	2.893	0	%100
106	M124	Z	-1.67	-1.67	0	%100
107	M125	X	11.573	11.573	0	%100
108	M125	Z	-6.682	-6.682	0	%100
109	MP3C	X	9.364	9.364	0	%100
110	MP3C	Z	-5.406	-5.406	0	%100
111	MP2C	X	7.736	7.736	0	%100
112	MP2C	Z	-4.466	-4.466	0	%100
113	MP3B	X	9.364	9.364	0	%100
114	MP3B	Z	-5.406	-5.406	0	%100

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 Designer : NL
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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.%]
115	MP2B	X	7.736	7.736	0	%100
116	MP2B	Z	-4.466	-4.466	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	13.37	13.37	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	10.813	10.813	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	8.932	8.932	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	8.932	8.932	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	8.932	8.932	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	9.398	9.398	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	9.398	9.398	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	22.566	22.566	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	17.238	17.238	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	18.156	18.156	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	22.566	22.566	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	17.238	17.238	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	18.156	18.156	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	3.343	3.343	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	8.485	8.485	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	8.485	8.485	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	16.925	16.925	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	9.398	9.398	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	5.642	5.642	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	17.238	17.238	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	18.156	18.156	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
52	M66	Z	0	0	%100
53	M68	X	5.642	5.642	%100
54	M68	Z	0	0	%100
55	M69	X	0	0	%100
56	M69	Z	0	0	%100
57	M71	X	0	0	%100
58	M71	Z	0	0	%100
59	M76A	X	3.343	3.343	%100
60	M76A	Z	0	0	%100
61	M77A	X	8.485	8.485	%100
62	M77A	Z	0	0	%100
63	M78	X	8.485	8.485	%100
64	M78	Z	0	0	%100
65	M79A	X	16.925	16.925	%100
66	M79A	Z	0	0	%100
67	M82	X	0	0	%100
68	M82	Z	0	0	%100
69	M83A	X	9.398	9.398	%100
70	M83A	Z	0	0	%100
71	M87	X	5.642	5.642	%100
72	M87	Z	0	0	%100
73	M88A	X	0	0	%100
74	M88A	Z	0	0	%100
75	M90	X	0	0	%100
76	M90	Z	0	0	%100
77	M92A	X	5.642	5.642	%100
78	M92A	Z	0	0	%100
79	M93	X	17.238	17.238	%100
80	M93	Z	0	0	%100
81	M95	X	18.156	18.156	%100
82	M95	Z	0	0	%100
83	M82A	X	9.873	9.873	%100
84	M82A	Z	0	0	%100
85	M91B	X	9.873	9.873	%100
86	M91B	Z	0	0	%100
87	MP4C	X	8.932	8.932	%100
88	MP4C	Z	0	0	%100
89	MP1C	X	8.932	8.932	%100
90	MP1C	Z	0	0	%100
91	MP4B	X	8.932	8.932	%100
92	MP4B	Z	0	0	%100
93	MP1B	X	8.932	8.932	%100
94	MP1B	Z	0	0	%100
95	OVP	X	7.304	7.304	%100
96	OVP	Z	0	0	%100
97	M102	X	0	0	%100
98	M102	Z	0	0	%100
99	M107	X	8.11	8.11	%100
100	M107	Z	0	0	%100
101	M112	X	8.11	8.11	%100
102	M112	Z	0	0	%100
103	M123	X	0	0	%100
104	M123	Z	0	0	%100
105	M124	X	10.023	10.023	%100
106	M124	Z	0	0	%100
107	M125	X	10.023	10.023	%100
108	M125	Z	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.%]
109	MP3C	X	10.813	10.813	0	%100
110	MP3C	Z	0	0	0	%100
111	MP2C	X	8.932	8.932	0	%100
112	MP2C	Z	0	0	0	%100
113	MP3B	X	10.813	10.813	0	%100
114	MP3B	Z	0	0	0	%100
115	MP2B	X	8.932	8.932	0	%100
116	MP2B	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	M1	X	2.85	2.85	0	%100
2	M1	Z	1.645	1.645	0	%100
3	M4	X	8.684	8.684	0	%100
4	M4	Z	5.014	5.014	0	%100
5	M10	X	2.449	2.449	0	%100
6	M10	Z	1.414	1.414	0	%100
7	MP3A	X	9.364	9.364	0	%100
8	MP3A	Z	5.406	5.406	0	%100
9	MP4A	X	7.736	7.736	0	%100
10	MP4A	Z	4.466	4.466	0	%100
11	MP2A	X	7.736	7.736	0	%100
12	MP2A	Z	4.466	4.466	0	%100
13	MP1A	X	7.736	7.736	0	%100
14	MP1A	Z	4.466	4.466	0	%100
15	M43	X	2.449	2.449	0	%100
16	M43	Z	1.414	1.414	0	%100
17	M46	X	4.886	4.886	0	%100
18	M46	Z	2.821	2.821	0	%100
19	M51B	X	2.713	2.713	0	%100
20	M51B	Z	1.566	1.566	0	%100
21	M52B	X	10.852	10.852	0	%100
22	M52B	Z	6.265	6.265	0	%100
23	M76	X	14.657	14.657	0	%100
24	M76	Z	8.462	8.462	0	%100
25	M77	X	4.976	4.976	0	%100
26	M77	Z	2.873	2.873	0	%100
27	M80	X	5.241	5.241	0	%100
28	M80	Z	3.026	3.026	0	%100
29	M84	X	14.657	14.657	0	%100
30	M84	Z	8.462	8.462	0	%100
31	M85	X	19.905	19.905	0	%100
32	M85	Z	11.492	11.492	0	%100
33	M91	X	20.965	20.965	0	%100
34	M91	Z	12.104	12.104	0	%100
35	M52A	X	8.684	8.684	0	%100
36	M52A	Z	5.014	5.014	0	%100
37	M53	X	2.449	2.449	0	%100
38	M53	Z	1.414	1.414	0	%100
39	M54	X	2.449	2.449	0	%100
40	M54	Z	1.414	1.414	0	%100
41	M55	X	4.886	4.886	0	%100
42	M55	Z	2.821	2.821	0	%100
43	M58A	X	10.852	10.852	0	%100
44	M58A	Z	6.265	6.265	0	%100
45	M59A	X	2.713	2.713	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
46	M59A	Z	1.566	1.566	0	%100
47	M63	X	14.657	14.657	0	%100
48	M63	Z	8.462	8.462	0	%100
49	M64	X	19.905	19.905	0	%100
50	M64	Z	11.492	11.492	0	%100
51	M66	X	20.965	20.965	0	%100
52	M66	Z	12.104	12.104	0	%100
53	M68	X	14.657	14.657	0	%100
54	M68	Z	8.462	8.462	0	%100
55	M69	X	4.976	4.976	0	%100
56	M69	Z	2.873	2.873	0	%100
57	M71	X	5.241	5.241	0	%100
58	M71	Z	3.026	3.026	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	9.798	9.798	0	%100
62	M77A	Z	5.657	5.657	0	%100
63	M78	X	9.798	9.798	0	%100
64	M78	Z	5.657	5.657	0	%100
65	M79A	X	19.543	19.543	0	%100
66	M79A	Z	11.283	11.283	0	%100
67	M82	X	2.713	2.713	0	%100
68	M82	Z	1.566	1.566	0	%100
69	M83A	X	2.713	2.713	0	%100
70	M83A	Z	1.566	1.566	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	4.976	4.976	0	%100
74	M88A	Z	2.873	2.873	0	%100
75	M90	X	5.241	5.241	0	%100
76	M90	Z	3.026	3.026	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	4.976	4.976	0	%100
80	M93	Z	2.873	2.873	0	%100
81	M95	X	5.241	5.241	0	%100
82	M95	Z	3.026	3.026	0	%100
83	M82A	X	2.85	2.85	0	%100
84	M82A	Z	1.645	1.645	0	%100
85	M91B	X	11.4	11.4	0	%100
86	M91B	Z	6.582	6.582	0	%100
87	MP4C	X	7.736	7.736	0	%100
88	MP4C	Z	4.466	4.466	0	%100
89	MP1C	X	7.736	7.736	0	%100
90	MP1C	Z	4.466	4.466	0	%100
91	MP4B	X	7.736	7.736	0	%100
92	MP4B	Z	4.466	4.466	0	%100
93	MP1B	X	7.736	7.736	0	%100
94	MP1B	Z	4.466	4.466	0	%100
95	OVP	X	6.326	6.326	0	%100
96	OVP	Z	3.652	3.652	0	%100
97	M102	X	2.341	2.341	0	%100
98	M102	Z	1.352	1.352	0	%100
99	M107	X	2.341	2.341	0	%100
100	M107	Z	1.352	1.352	0	%100
101	M112	X	9.364	9.364	0	%100
102	M112	Z	5.406	5.406	0	%100

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 Model Name : Mount Fix

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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.%]
103	M123	X	2.893	2.893	0	%100
104	M123	Z	1.67	1.67	0	%100
105	M124	X	11.573	11.573	0	%100
106	M124	Z	6.682	6.682	0	%100
107	M125	X	2.893	2.893	0	%100
108	M125	Z	1.67	1.67	0	%100
109	MP3C	X	9.364	9.364	0	%100
110	MP3C	Z	5.406	5.406	0	%100
111	MP2C	X	7.736	7.736	0	%100
112	MP2C	Z	4.466	4.466	0	%100
113	MP3B	X	9.364	9.364	0	%100
114	MP3B	Z	5.406	5.406	0	%100
115	MP2B	X	7.736	7.736	0	%100
116	MP2B	Z	4.466	4.466	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	M1	X	4.936	4.936	0	%100
2	M1	Z	8.55	8.55	0	%100
3	M4	X	1.671	1.671	0	%100
4	M4	Z	2.895	2.895	0	%100
5	M10	X	4.243	4.243	0	%100
6	M10	Z	7.348	7.348	0	%100
7	MP3A	X	5.406	5.406	0	%100
8	MP3A	Z	9.364	9.364	0	%100
9	MP4A	X	4.466	4.466	0	%100
10	MP4A	Z	7.736	7.736	0	%100
11	MP2A	X	4.466	4.466	0	%100
12	MP2A	Z	7.736	7.736	0	%100
13	MP1A	X	4.466	4.466	0	%100
14	MP1A	Z	7.736	7.736	0	%100
15	M43	X	4.243	4.243	0	%100
16	M43	Z	7.348	7.348	0	%100
17	M46	X	8.462	8.462	0	%100
18	M46	Z	14.657	14.657	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	4.699	4.699	0	%100
22	M52B	Z	8.139	8.139	0	%100
23	M76	X	2.821	2.821	0	%100
24	M76	Z	4.886	4.886	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	2.821	2.821	0	%100
30	M84	Z	4.886	4.886	0	%100
31	M85	X	8.619	8.619	0	%100
32	M85	Z	14.929	14.929	0	%100
33	M91	X	9.078	9.078	0	%100
34	M91	Z	15.724	15.724	0	%100
35	M52A	X	6.685	6.685	0	%100
36	M52A	Z	11.579	11.579	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	4.699	4.699	0	%100
44	M58A	Z	8.139	8.139	0	%100
45	M59A	X	4.699	4.699	0	%100
46	M59A	Z	8.139	8.139	0	%100
47	M63	X	11.283	11.283	0	%100
48	M63	Z	19.543	19.543	0	%100
49	M64	X	8.619	8.619	0	%100
50	M64	Z	14.929	14.929	0	%100
51	M66	X	9.078	9.078	0	%100
52	M66	Z	15.724	15.724	0	%100
53	M68	X	11.283	11.283	0	%100
54	M68	Z	19.543	19.543	0	%100
55	M69	X	8.619	8.619	0	%100
56	M69	Z	14.929	14.929	0	%100
57	M71	X	9.078	9.078	0	%100
58	M71	Z	15.724	15.724	0	%100
59	M76A	X	1.671	1.671	0	%100
60	M76A	Z	2.895	2.895	0	%100
61	M77A	X	4.243	4.243	0	%100
62	M77A	Z	7.348	7.348	0	%100
63	M78	X	4.243	4.243	0	%100
64	M78	Z	7.348	7.348	0	%100
65	M79A	X	8.462	8.462	0	%100
66	M79A	Z	14.657	14.657	0	%100
67	M82	X	4.699	4.699	0	%100
68	M82	Z	8.139	8.139	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	2.821	2.821	0	%100
72	M87	Z	4.886	4.886	0	%100
73	M88A	X	8.619	8.619	0	%100
74	M88A	Z	14.929	14.929	0	%100
75	M90	X	9.078	9.078	0	%100
76	M90	Z	15.724	15.724	0	%100
77	M92A	X	2.821	2.821	0	%100
78	M92A	Z	4.886	4.886	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	4.936	4.936	0	%100
86	M91B	Z	8.55	8.55	0	%100
87	MP4C	X	4.466	4.466	0	%100
88	MP4C	Z	7.736	7.736	0	%100
89	MP1C	X	4.466	4.466	0	%100
90	MP1C	Z	7.736	7.736	0	%100
91	MP4B	X	4.466	4.466	0	%100
92	MP4B	Z	7.736	7.736	0	%100
93	MP1B	X	4.466	4.466	0	%100
94	MP1B	Z	7.736	7.736	0	%100
95	OVP	X	3.652	3.652	0	%100
96	OVP	Z	6.326	6.326	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.%,]
97	M102	X	4.055	4.055	0	%100
98	M102	Z	7.023	7.023	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	4.055	4.055	0	%100
102	M112	Z	7.023	7.023	0	%100
103	M123	X	5.011	5.011	0	%100
104	M123	Z	8.68	8.68	0	%100
105	M124	X	5.011	5.011	0	%100
106	M124	Z	8.68	8.68	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	0	0	0	%100
109	MP3C	X	5.406	5.406	0	%100
110	MP3C	Z	9.364	9.364	0	%100
111	MP2C	X	4.466	4.466	0	%100
112	MP2C	Z	7.736	7.736	0	%100
113	MP3B	X	5.406	5.406	0	%100
114	MP3B	Z	9.364	9.364	0	%100
115	MP2B	X	4.466	4.466	0	%100
116	MP2B	Z	7.736	7.736	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	M1	X	0	0	0	%100
2	M1	Z	13.164	13.164	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	11.314	11.314	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	10.813	10.813	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	8.932	8.932	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	8.932	8.932	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	8.932	8.932	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	11.314	11.314	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	22.566	22.566	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	3.133	3.133	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	3.133	3.133	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	5.746	5.746	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	6.052	6.052	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	5.746	5.746	0	%100
33	M91	X	0	0	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
34	M91	Z	6.052	6.052	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	10.028	10.028	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	2.828	2.828	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	2.828	2.828	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	5.642	5.642	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	3.133	3.133	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	12.531	12.531	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	16.925	16.925	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	5.746	5.746	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	6.052	6.052	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	16.925	16.925	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	22.984	22.984	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	24.209	24.209	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	10.028	10.028	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	2.828	2.828	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	2.828	2.828	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	5.642	5.642	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	12.531	12.531	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	3.133	3.133	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	16.925	16.925	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	22.984	22.984	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	24.209	24.209	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	16.925	16.925	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	5.746	5.746	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	6.052	6.052	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	3.291	3.291	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	3.291	3.291	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	8.932	8.932	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	8.932	8.932	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.%]
91	MP4B	X	0	0	0	%100
92	MP4B	Z	8.932	8.932	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	8.932	8.932	0	%100
95	OVP	X	0	0	0	%100
96	OVP	Z	7.304	7.304	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	10.813	10.813	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	2.703	2.703	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	2.703	2.703	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	13.364	13.364	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	3.341	3.341	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	3.341	3.341	0	%100
109	MP3C	X	0	0	0	%100
110	MP3C	Z	10.813	10.813	0	%100
111	MP2C	X	0	0	0	%100
112	MP2C	Z	8.932	8.932	0	%100
113	MP3B	X	0	0	0	%100
114	MP3B	Z	10.813	10.813	0	%100
115	MP2B	X	0	0	0	%100
116	MP2B	Z	8.932	8.932	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	M1	X	-4.936	-4.936	0	%100
2	M1	Z	8.55	8.55	0	%100
3	M4	X	-1.671	-1.671	0	%100
4	M4	Z	2.895	2.895	0	%100
5	M10	X	-4.243	-4.243	0	%100
6	M10	Z	7.348	7.348	0	%100
7	MP3A	X	-5.406	-5.406	0	%100
8	MP3A	Z	9.364	9.364	0	%100
9	MP4A	X	-4.466	-4.466	0	%100
10	MP4A	Z	7.736	7.736	0	%100
11	MP2A	X	-4.466	-4.466	0	%100
12	MP2A	Z	7.736	7.736	0	%100
13	MP1A	X	-4.466	-4.466	0	%100
14	MP1A	Z	7.736	7.736	0	%100
15	M43	X	-4.243	-4.243	0	%100
16	M43	Z	7.348	7.348	0	%100
17	M46	X	-8.462	-8.462	0	%100
18	M46	Z	14.657	14.657	0	%100
19	M51B	X	-4.699	-4.699	0	%100
20	M51B	Z	8.139	8.139	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-2.821	-2.821	0	%100
24	M76	Z	4.886	4.886	0	%100
25	M77	X	-8.619	-8.619	0	%100
26	M77	Z	14.929	14.929	0	%100
27	M80	X	-9.078	-9.078	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
28	M80	Z	15.724	15.724	0	%100
29	M84	X	-2.821	-2.821	0	%100
30	M84	Z	4.886	4.886	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-1.671	-1.671	0	%100
36	M52A	Z	2.895	2.895	0	%100
37	M53	X	-4.243	-4.243	0	%100
38	M53	Z	7.348	7.348	0	%100
39	M54	X	-4.243	-4.243	0	%100
40	M54	Z	7.348	7.348	0	%100
41	M55	X	-8.462	-8.462	0	%100
42	M55	Z	14.657	14.657	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-4.699	-4.699	0	%100
46	M59A	Z	8.139	8.139	0	%100
47	M63	X	-2.821	-2.821	0	%100
48	M63	Z	4.886	4.886	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-2.821	-2.821	0	%100
54	M68	Z	4.886	4.886	0	%100
55	M69	X	-8.619	-8.619	0	%100
56	M69	Z	14.929	14.929	0	%100
57	M71	X	-9.078	-9.078	0	%100
58	M71	Z	15.724	15.724	0	%100
59	M76A	X	-6.685	-6.685	0	%100
60	M76A	Z	11.579	11.579	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-4.699	-4.699	0	%100
68	M82	Z	8.139	8.139	0	%100
69	M83A	X	-4.699	-4.699	0	%100
70	M83A	Z	8.139	8.139	0	%100
71	M87	X	-11.283	-11.283	0	%100
72	M87	Z	19.543	19.543	0	%100
73	M88A	X	-8.619	-8.619	0	%100
74	M88A	Z	14.929	14.929	0	%100
75	M90	X	-9.078	-9.078	0	%100
76	M90	Z	15.724	15.724	0	%100
77	M92A	X	-11.283	-11.283	0	%100
78	M92A	Z	19.543	19.543	0	%100
79	M93	X	-8.619	-8.619	0	%100
80	M93	Z	14.929	14.929	0	%100
81	M95	X	-9.078	-9.078	0	%100
82	M95	Z	15.724	15.724	0	%100
83	M82A	X	-4.936	-4.936	0	%100
84	M82A	Z	8.55	8.55	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.%]
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP4C	X	-4.466	-4.466	0	%100
88	MP4C	Z	7.736	7.736	0	%100
89	MP1C	X	-4.466	-4.466	0	%100
90	MP1C	Z	7.736	7.736	0	%100
91	MP4B	X	-4.466	-4.466	0	%100
92	MP4B	Z	7.736	7.736	0	%100
93	MP1B	X	-4.466	-4.466	0	%100
94	MP1B	Z	7.736	7.736	0	%100
95	OVP	X	-3.652	-3.652	0	%100
96	OVP	Z	6.326	6.326	0	%100
97	M102	X	-4.055	-4.055	0	%100
98	M102	Z	7.023	7.023	0	%100
99	M107	X	-4.055	-4.055	0	%100
100	M107	Z	7.023	7.023	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	-5.011	-5.011	0	%100
104	M123	Z	8.68	8.68	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	-5.011	-5.011	0	%100
108	M125	Z	8.68	8.68	0	%100
109	MP3C	X	-5.406	-5.406	0	%100
110	MP3C	Z	9.364	9.364	0	%100
111	MP2C	X	-4.466	-4.466	0	%100
112	MP2C	Z	7.736	7.736	0	%100
113	MP3B	X	-5.406	-5.406	0	%100
114	MP3B	Z	9.364	9.364	0	%100
115	MP2B	X	-4.466	-4.466	0	%100
116	MP2B	Z	7.736	7.736	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	M1	X	-2.85	-2.85	0	%100
2	M1	Z	1.645	1.645	0	%100
3	M4	X	-8.684	-8.684	0	%100
4	M4	Z	5.014	5.014	0	%100
5	M10	X	-2.449	-2.449	0	%100
6	M10	Z	1.414	1.414	0	%100
7	MP3A	X	-9.364	-9.364	0	%100
8	MP3A	Z	5.406	5.406	0	%100
9	MP4A	X	-7.736	-7.736	0	%100
10	MP4A	Z	4.466	4.466	0	%100
11	MP2A	X	-7.736	-7.736	0	%100
12	MP2A	Z	4.466	4.466	0	%100
13	MP1A	X	-7.736	-7.736	0	%100
14	MP1A	Z	4.466	4.466	0	%100
15	M43	X	-2.449	-2.449	0	%100
16	M43	Z	1.414	1.414	0	%100
17	M46	X	-4.886	-4.886	0	%100
18	M46	Z	2.821	2.821	0	%100
19	M51B	X	-10.852	-10.852	0	%100
20	M51B	Z	6.265	6.265	0	%100
21	M52B	X	-2.713	-2.713	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.%]
22	M52B	Z	1.566	1.566	0	%100
23	M76	X	-14.657	-14.657	0	%100
24	M76	Z	8.462	8.462	0	%100
25	M77	X	-19.905	-19.905	0	%100
26	M77	Z	11.492	11.492	0	%100
27	M80	X	-20.965	-20.965	0	%100
28	M80	Z	12.104	12.104	0	%100
29	M84	X	-14.657	-14.657	0	%100
30	M84	Z	8.462	8.462	0	%100
31	M85	X	-4.976	-4.976	0	%100
32	M85	Z	2.873	2.873	0	%100
33	M91	X	-5.241	-5.241	0	%100
34	M91	Z	3.026	3.026	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-9.798	-9.798	0	%100
38	M53	Z	5.657	5.657	0	%100
39	M54	X	-9.798	-9.798	0	%100
40	M54	Z	5.657	5.657	0	%100
41	M55	X	-19.543	-19.543	0	%100
42	M55	Z	11.283	11.283	0	%100
43	M58A	X	-2.713	-2.713	0	%100
44	M58A	Z	1.566	1.566	0	%100
45	M59A	X	-2.713	-2.713	0	%100
46	M59A	Z	1.566	1.566	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-4.976	-4.976	0	%100
50	M64	Z	2.873	2.873	0	%100
51	M66	X	-5.241	-5.241	0	%100
52	M66	Z	3.026	3.026	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-4.976	-4.976	0	%100
56	M69	Z	2.873	2.873	0	%100
57	M71	X	-5.241	-5.241	0	%100
58	M71	Z	3.026	3.026	0	%100
59	M76A	X	-8.684	-8.684	0	%100
60	M76A	Z	5.014	5.014	0	%100
61	M77A	X	-2.449	-2.449	0	%100
62	M77A	Z	1.414	1.414	0	%100
63	M78	X	-2.449	-2.449	0	%100
64	M78	Z	1.414	1.414	0	%100
65	M79A	X	-4.886	-4.886	0	%100
66	M79A	Z	2.821	2.821	0	%100
67	M82	X	-2.713	-2.713	0	%100
68	M82	Z	1.566	1.566	0	%100
69	M83A	X	-10.852	-10.852	0	%100
70	M83A	Z	6.265	6.265	0	%100
71	M87	X	-14.657	-14.657	0	%100
72	M87	Z	8.462	8.462	0	%100
73	M88A	X	-4.976	-4.976	0	%100
74	M88A	Z	2.873	2.873	0	%100
75	M90	X	-5.241	-5.241	0	%100
76	M90	Z	3.026	3.026	0	%100
77	M92A	X	-14.657	-14.657	0	%100
78	M92A	Z	8.462	8.462	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
79	M93	X	-19.905	-19.905	0	%100
80	M93	Z	11.492	11.492	0	%100
81	M95	X	-20.965	-20.965	0	%100
82	M95	Z	12.104	12.104	0	%100
83	M82A	X	-11.4	-11.4	0	%100
84	M82A	Z	6.582	6.582	0	%100
85	M91B	X	-2.85	-2.85	0	%100
86	M91B	Z	1.645	1.645	0	%100
87	MP4C	X	-7.736	-7.736	0	%100
88	MP4C	Z	4.466	4.466	0	%100
89	MP1C	X	-7.736	-7.736	0	%100
90	MP1C	Z	4.466	4.466	0	%100
91	MP4B	X	-7.736	-7.736	0	%100
92	MP4B	Z	4.466	4.466	0	%100
93	MP1B	X	-7.736	-7.736	0	%100
94	MP1B	Z	4.466	4.466	0	%100
95	OVP	X	-6.326	-6.326	0	%100
96	OVP	Z	3.652	3.652	0	%100
97	M102	X	-2.341	-2.341	0	%100
98	M102	Z	1.352	1.352	0	%100
99	M107	X	-9.364	-9.364	0	%100
100	M107	Z	5.406	5.406	0	%100
101	M112	X	-2.341	-2.341	0	%100
102	M112	Z	1.352	1.352	0	%100
103	M123	X	-2.893	-2.893	0	%100
104	M123	Z	1.67	1.67	0	%100
105	M124	X	-2.893	-2.893	0	%100
106	M124	Z	1.67	1.67	0	%100
107	M125	X	-11.573	-11.573	0	%100
108	M125	Z	6.682	6.682	0	%100
109	MP3C	X	-9.364	-9.364	0	%100
110	MP3C	Z	5.406	5.406	0	%100
111	MP2C	X	-7.736	-7.736	0	%100
112	MP2C	Z	4.466	4.466	0	%100
113	MP3B	X	-9.364	-9.364	0	%100
114	MP3B	Z	5.406	5.406	0	%100
115	MP2B	X	-7.736	-7.736	0	%100
116	MP2B	Z	4.466	4.466	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-13.37	-13.37	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-10.813	-10.813	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-8.932	-8.932	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-8.932	-8.932	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-8.932	-8.932	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	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.%]
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-9.398	-9.398	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-9.398	-9.398	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-22.566	-22.566	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-17.238	-17.238	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-18.156	-18.156	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-22.566	-22.566	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-17.238	-17.238	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-18.156	-18.156	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-3.343	-3.343	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-8.485	-8.485	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-8.485	-8.485	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-16.925	-16.925	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-9.398	-9.398	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-5.642	-5.642	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-17.238	-17.238	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-18.156	-18.156	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-5.642	-5.642	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	-3.343	-3.343	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-8.485	-8.485	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-8.485	-8.485	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-16.925	-16.925	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-9.398	-9.398	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-5.642	-5.642	0	%100
72	M87	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.%]
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-5.642	-5.642	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-17.238	-17.238	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-18.156	-18.156	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-9.873	-9.873	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-9.873	-9.873	0	%100
86	M91B	Z	0	0	0	%100
87	MP4C	X	-8.932	-8.932	0	%100
88	MP4C	Z	0	0	0	%100
89	MP1C	X	-8.932	-8.932	0	%100
90	MP1C	Z	0	0	0	%100
91	MP4B	X	-8.932	-8.932	0	%100
92	MP4B	Z	0	0	0	%100
93	MP1B	X	-8.932	-8.932	0	%100
94	MP1B	Z	0	0	0	%100
95	OVP	X	-7.304	-7.304	0	%100
96	OVP	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M107	X	-8.11	-8.11	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	-8.11	-8.11	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	-10.023	-10.023	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	-10.023	-10.023	0	%100
108	M125	Z	0	0	0	%100
109	MP3C	X	-10.813	-10.813	0	%100
110	MP3C	Z	0	0	0	%100
111	MP2C	X	-8.932	-8.932	0	%100
112	MP2C	Z	0	0	0	%100
113	MP3B	X	-10.813	-10.813	0	%100
114	MP3B	Z	0	0	0	%100
115	MP2B	X	-8.932	-8.932	0	%100
116	MP2B	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	M1	X	-2.85	-2.85	0	%100
2	M1	Z	-1.645	-1.645	0	%100
3	M4	X	-8.684	-8.684	0	%100
4	M4	Z	-5.014	-5.014	0	%100
5	M10	X	-2.449	-2.449	0	%100
6	M10	Z	-1.414	-1.414	0	%100
7	MP3A	X	-9.364	-9.364	0	%100
8	MP3A	Z	-5.406	-5.406	0	%100
9	MP4A	X	-7.736	-7.736	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
10	MP4A	Z	-4.466	-4.466	0	%100
11	MP2A	X	-7.736	-7.736	0	%100
12	MP2A	Z	-4.466	-4.466	0	%100
13	MP1A	X	-7.736	-7.736	0	%100
14	MP1A	Z	-4.466	-4.466	0	%100
15	M43	X	-2.449	-2.449	0	%100
16	M43	Z	-1.414	-1.414	0	%100
17	M46	X	-4.886	-4.886	0	%100
18	M46	Z	-2.821	-2.821	0	%100
19	M51B	X	-2.713	-2.713	0	%100
20	M51B	Z	-1.566	-1.566	0	%100
21	M52B	X	-10.852	-10.852	0	%100
22	M52B	Z	-6.265	-6.265	0	%100
23	M76	X	-14.657	-14.657	0	%100
24	M76	Z	-8.462	-8.462	0	%100
25	M77	X	-4.976	-4.976	0	%100
26	M77	Z	-2.873	-2.873	0	%100
27	M80	X	-5.241	-5.241	0	%100
28	M80	Z	-3.026	-3.026	0	%100
29	M84	X	-14.657	-14.657	0	%100
30	M84	Z	-8.462	-8.462	0	%100
31	M85	X	-19.905	-19.905	0	%100
32	M85	Z	-11.492	-11.492	0	%100
33	M91	X	-20.965	-20.965	0	%100
34	M91	Z	-12.104	-12.104	0	%100
35	M52A	X	-8.684	-8.684	0	%100
36	M52A	Z	-5.014	-5.014	0	%100
37	M53	X	-2.449	-2.449	0	%100
38	M53	Z	-1.414	-1.414	0	%100
39	M54	X	-2.449	-2.449	0	%100
40	M54	Z	-1.414	-1.414	0	%100
41	M55	X	-4.886	-4.886	0	%100
42	M55	Z	-2.821	-2.821	0	%100
43	M58A	X	-10.852	-10.852	0	%100
44	M58A	Z	-6.265	-6.265	0	%100
45	M59A	X	-2.713	-2.713	0	%100
46	M59A	Z	-1.566	-1.566	0	%100
47	M63	X	-14.657	-14.657	0	%100
48	M63	Z	-8.462	-8.462	0	%100
49	M64	X	-19.905	-19.905	0	%100
50	M64	Z	-11.492	-11.492	0	%100
51	M66	X	-20.965	-20.965	0	%100
52	M66	Z	-12.104	-12.104	0	%100
53	M68	X	-14.657	-14.657	0	%100
54	M68	Z	-8.462	-8.462	0	%100
55	M69	X	-4.976	-4.976	0	%100
56	M69	Z	-2.873	-2.873	0	%100
57	M71	X	-5.241	-5.241	0	%100
58	M71	Z	-3.026	-3.026	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-9.798	-9.798	0	%100
62	M77A	Z	-5.657	-5.657	0	%100
63	M78	X	-9.798	-9.798	0	%100
64	M78	Z	-5.657	-5.657	0	%100
65	M79A	X	-19.543	-19.543	0	%100
66	M79A	Z	-11.283	-11.283	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.%]
67	M82	X	-2.713	-2.713	0	%100
68	M82	Z	-1.566	-1.566	0	%100
69	M83A	X	-2.713	-2.713	0	%100
70	M83A	Z	-1.566	-1.566	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-4.976	-4.976	0	%100
74	M88A	Z	-2.873	-2.873	0	%100
75	M90	X	-5.241	-5.241	0	%100
76	M90	Z	-3.026	-3.026	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-4.976	-4.976	0	%100
80	M93	Z	-2.873	-2.873	0	%100
81	M95	X	-5.241	-5.241	0	%100
82	M95	Z	-3.026	-3.026	0	%100
83	M82A	X	-2.85	-2.85	0	%100
84	M82A	Z	-1.645	-1.645	0	%100
85	M91B	X	-11.4	-11.4	0	%100
86	M91B	Z	-6.582	-6.582	0	%100
87	MP4C	X	-7.736	-7.736	0	%100
88	MP4C	Z	-4.466	-4.466	0	%100
89	MP1C	X	-7.736	-7.736	0	%100
90	MP1C	Z	-4.466	-4.466	0	%100
91	MP4B	X	-7.736	-7.736	0	%100
92	MP4B	Z	-4.466	-4.466	0	%100
93	MP1B	X	-7.736	-7.736	0	%100
94	MP1B	Z	-4.466	-4.466	0	%100
95	OVP	X	-6.326	-6.326	0	%100
96	OVP	Z	-3.652	-3.652	0	%100
97	M102	X	-2.341	-2.341	0	%100
98	M102	Z	-1.352	-1.352	0	%100
99	M107	X	-2.341	-2.341	0	%100
100	M107	Z	-1.352	-1.352	0	%100
101	M112	X	-9.364	-9.364	0	%100
102	M112	Z	-5.406	-5.406	0	%100
103	M123	X	-2.893	-2.893	0	%100
104	M123	Z	-1.67	-1.67	0	%100
105	M124	X	-11.573	-11.573	0	%100
106	M124	Z	-6.682	-6.682	0	%100
107	M125	X	-2.893	-2.893	0	%100
108	M125	Z	-1.67	-1.67	0	%100
109	MP3C	X	-9.364	-9.364	0	%100
110	MP3C	Z	-5.406	-5.406	0	%100
111	MP2C	X	-7.736	-7.736	0	%100
112	MP2C	Z	-4.466	-4.466	0	%100
113	MP3B	X	-9.364	-9.364	0	%100
114	MP3B	Z	-5.406	-5.406	0	%100
115	MP2B	X	-7.736	-7.736	0	%100
116	MP2B	Z	-4.466	-4.466	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	M1	X	-4.936	-4.936	0	%100
2	M1	Z	-8.55	-8.55	0	%100
3	M4	X	-1.671	-1.671	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
4	M4	Z	-2.895	-2.895	0	%100
5	M10	X	-4.243	-4.243	0	%100
6	M10	Z	-7.348	-7.348	0	%100
7	MP3A	X	-5.406	-5.406	0	%100
8	MP3A	Z	-9.364	-9.364	0	%100
9	MP4A	X	-4.466	-4.466	0	%100
10	MP4A	Z	-7.736	-7.736	0	%100
11	MP2A	X	-4.466	-4.466	0	%100
12	MP2A	Z	-7.736	-7.736	0	%100
13	MP1A	X	-4.466	-4.466	0	%100
14	MP1A	Z	-7.736	-7.736	0	%100
15	M43	X	-4.243	-4.243	0	%100
16	M43	Z	-7.348	-7.348	0	%100
17	M46	X	-8.462	-8.462	0	%100
18	M46	Z	-14.657	-14.657	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-4.699	-4.699	0	%100
22	M52B	Z	-8.139	-8.139	0	%100
23	M76	X	-2.821	-2.821	0	%100
24	M76	Z	-4.886	-4.886	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-2.821	-2.821	0	%100
30	M84	Z	-4.886	-4.886	0	%100
31	M85	X	-8.619	-8.619	0	%100
32	M85	Z	-14.929	-14.929	0	%100
33	M91	X	-9.078	-9.078	0	%100
34	M91	Z	-15.724	-15.724	0	%100
35	M52A	X	-6.685	-6.685	0	%100
36	M52A	Z	-11.579	-11.579	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-4.699	-4.699	0	%100
44	M58A	Z	-8.139	-8.139	0	%100
45	M59A	X	-4.699	-4.699	0	%100
46	M59A	Z	-8.139	-8.139	0	%100
47	M63	X	-11.283	-11.283	0	%100
48	M63	Z	-19.543	-19.543	0	%100
49	M64	X	-8.619	-8.619	0	%100
50	M64	Z	-14.929	-14.929	0	%100
51	M66	X	-9.078	-9.078	0	%100
52	M66	Z	-15.724	-15.724	0	%100
53	M68	X	-11.283	-11.283	0	%100
54	M68	Z	-19.543	-19.543	0	%100
55	M69	X	-8.619	-8.619	0	%100
56	M69	Z	-14.929	-14.929	0	%100
57	M71	X	-9.078	-9.078	0	%100
58	M71	Z	-15.724	-15.724	0	%100
59	M76A	X	-1.671	-1.671	0	%100
60	M76A	Z	-2.895	-2.895	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.%]
61	M77A	X	-4.243	-4.243	0	%100
62	M77A	Z	-7.348	-7.348	0	%100
63	M78	X	-4.243	-4.243	0	%100
64	M78	Z	-7.348	-7.348	0	%100
65	M79A	X	-8.462	-8.462	0	%100
66	M79A	Z	-14.657	-14.657	0	%100
67	M82	X	-4.699	-4.699	0	%100
68	M82	Z	-8.139	-8.139	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-2.821	-2.821	0	%100
72	M87	Z	-4.886	-4.886	0	%100
73	M88A	X	-8.619	-8.619	0	%100
74	M88A	Z	-14.929	-14.929	0	%100
75	M90	X	-9.078	-9.078	0	%100
76	M90	Z	-15.724	-15.724	0	%100
77	M92A	X	-2.821	-2.821	0	%100
78	M92A	Z	-4.886	-4.886	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-4.936	-4.936	0	%100
86	M91B	Z	-8.55	-8.55	0	%100
87	MP4C	X	-4.466	-4.466	0	%100
88	MP4C	Z	-7.736	-7.736	0	%100
89	MP1C	X	-4.466	-4.466	0	%100
90	MP1C	Z	-7.736	-7.736	0	%100
91	MP4B	X	-4.466	-4.466	0	%100
92	MP4B	Z	-7.736	-7.736	0	%100
93	MP1B	X	-4.466	-4.466	0	%100
94	MP1B	Z	-7.736	-7.736	0	%100
95	OVP	X	-3.652	-3.652	0	%100
96	OVP	Z	-6.326	-6.326	0	%100
97	M102	X	-4.055	-4.055	0	%100
98	M102	Z	-7.023	-7.023	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	-4.055	-4.055	0	%100
102	M112	Z	-7.023	-7.023	0	%100
103	M123	X	-5.011	-5.011	0	%100
104	M123	Z	-8.68	-8.68	0	%100
105	M124	X	-5.011	-5.011	0	%100
106	M124	Z	-8.68	-8.68	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	0	0	0	%100
109	MP3C	X	-5.406	-5.406	0	%100
110	MP3C	Z	-9.364	-9.364	0	%100
111	MP2C	X	-4.466	-4.466	0	%100
112	MP2C	Z	-7.736	-7.736	0	%100
113	MP3B	X	-5.406	-5.406	0	%100
114	MP3B	Z	-9.364	-9.364	0	%100
115	MP2B	X	-4.466	-4.466	0	%100
116	MP2B	Z	-7.736	-7.736	0	%100

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 Designer : NL
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 Model Name : Mount Fix

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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	M1	X	0	0	0	%100
2	M1	Z	-3.87	-3.87	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-3.197	-3.197	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-3.448	-3.448	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-3.11	-3.11	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-3.11	-3.11	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-3.11	-3.11	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-3.197	-3.197	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-5.015	-5.015	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-0.921	-0.921	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-0.921	-0.921	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-1.251	-1.251	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-1.306	-1.306	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-1.251	-1.251	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-1.306	-1.306	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-2.93	-2.93	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-0.799	-0.799	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-0.799	-0.799	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-1.254	-1.254	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-0.921	-0.921	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-3.683	-3.683	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-3.698	-3.698	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-1.251	-1.251	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-1.306	-1.306	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-3.698	-3.698	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-5.005	-5.005	0	%100
57	M71	X	0	0	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.%]
58	M71	Z	-5.225	-5.225	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-2.93	-2.93	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-799	-799	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-799	-799	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-1.254	-1.254	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-3.683	-3.683	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-921	-921	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-3.698	-3.698	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-5.005	-5.005	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-5.225	-5.225	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-3.698	-3.698	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-1.251	-1.251	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-1.306	-1.306	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-967	-967	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-967	-967	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-3.11	-3.11	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-3.11	-3.11	0	%100
91	MP4B	X	0	0	0	%100
92	MP4B	Z	-3.11	-3.11	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	-3.11	-3.11	0	%100
95	OVP	X	0	0	0	%100
96	OVP	Z	-2.571	-2.571	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	-3.448	-3.448	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	-862	-862	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	-862	-862	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	-3.495	-3.495	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	-874	-874	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	-874	-874	0	%100
109	MP3C	X	0	0	0	%100
110	MP3C	Z	-3.448	-3.448	0	%100
111	MP2C	X	0	0	0	%100
112	MP2C	Z	-3.11	-3.11	0	%100
113	MP3B	X	0	0	0	%100
114	MP3B	Z	-3.448	-3.448	0	%100

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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.%]
115	MP2B	X	0	0	0	%100
116	MP2B	Z	-3.11	-3.11	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.451	1.451	0	%100
2	M1	Z	-2.513	-2.513	0	%100
3	M4	X	.488	.488	0	%100
4	M4	Z	-.846	-.846	0	%100
5	M10	X	1.199	1.199	0	%100
6	M10	Z	-2.076	-2.076	0	%100
7	MP3A	X	1.724	1.724	0	%100
8	MP3A	Z	-2.986	-2.986	0	%100
9	MP4A	X	1.555	1.555	0	%100
10	MP4A	Z	-2.693	-2.693	0	%100
11	MP2A	X	1.555	1.555	0	%100
12	MP2A	Z	-2.693	-2.693	0	%100
13	MP1A	X	1.555	1.555	0	%100
14	MP1A	Z	-2.693	-2.693	0	%100
15	M43	X	1.199	1.199	0	%100
16	M43	Z	-2.076	-2.076	0	%100
17	M46	X	1.881	1.881	0	%100
18	M46	Z	-3.258	-3.258	0	%100
19	M51B	X	1.381	1.381	0	%100
20	M51B	Z	-2.392	-2.392	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.616	.616	0	%100
24	M76	Z	-1.067	-1.067	0	%100
25	M77	X	1.877	1.877	0	%100
26	M77	Z	-3.251	-3.251	0	%100
27	M80	X	1.959	1.959	0	%100
28	M80	Z	-3.394	-3.394	0	%100
29	M84	X	.616	.616	0	%100
30	M84	Z	-1.067	-1.067	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.488	.488	0	%100
36	M52A	Z	-.846	-.846	0	%100
37	M53	X	1.199	1.199	0	%100
38	M53	Z	-2.076	-2.076	0	%100
39	M54	X	1.199	1.199	0	%100
40	M54	Z	-2.076	-2.076	0	%100
41	M55	X	1.881	1.881	0	%100
42	M55	Z	-3.258	-3.258	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	1.381	1.381	0	%100
46	M59A	Z	-2.392	-2.392	0	%100
47	M63	X	.616	.616	0	%100
48	M63	Z	-1.067	-1.067	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	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.%]	
52	M66	Z	0	0	0	%100
53	M68	X	.616	.616	0	%100
54	M68	Z	-1.067	-1.067	0	%100
55	M69	X	1.877	1.877	0	%100
56	M69	Z	-3.251	-3.251	0	%100
57	M71	X	1.959	1.959	0	%100
58	M71	Z	-3.394	-3.394	0	%100
59	M76A	X	1.953	1.953	0	%100
60	M76A	Z	-3.383	-3.383	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	1.381	1.381	0	%100
68	M82	Z	-2.392	-2.392	0	%100
69	M83A	X	1.381	1.381	0	%100
70	M83A	Z	-2.392	-2.392	0	%100
71	M87	X	2.465	2.465	0	%100
72	M87	Z	-4.27	-4.27	0	%100
73	M88A	X	1.877	1.877	0	%100
74	M88A	Z	-3.251	-3.251	0	%100
75	M90	X	1.959	1.959	0	%100
76	M90	Z	-3.394	-3.394	0	%100
77	M92A	X	2.465	2.465	0	%100
78	M92A	Z	-4.27	-4.27	0	%100
79	M93	X	1.877	1.877	0	%100
80	M93	Z	-3.251	-3.251	0	%100
81	M95	X	1.959	1.959	0	%100
82	M95	Z	-3.394	-3.394	0	%100
83	M82A	X	1.451	1.451	0	%100
84	M82A	Z	-2.513	-2.513	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP4C	X	1.555	1.555	0	%100
88	MP4C	Z	-2.693	-2.693	0	%100
89	MP1C	X	1.555	1.555	0	%100
90	MP1C	Z	-2.693	-2.693	0	%100
91	MP4B	X	1.555	1.555	0	%100
92	MP4B	Z	-2.693	-2.693	0	%100
93	MP1B	X	1.555	1.555	0	%100
94	MP1B	Z	-2.693	-2.693	0	%100
95	OVP	X	1.285	1.285	0	%100
96	OVP	Z	-2.226	-2.226	0	%100
97	M102	X	1.293	1.293	0	%100
98	M102	Z	-2.239	-2.239	0	%100
99	M107	X	1.293	1.293	0	%100
100	M107	Z	-2.239	-2.239	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	1.311	1.311	0	%100
104	M123	Z	-2.27	-2.27	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	1.311	1.311	0	%100
108	M125	Z	-2.27	-2.27	0	%100

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 Designer : NL
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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.%]
109	MP3C	X	1.724	1.724	0	%100
110	MP3C	Z	-2.986	-2.986	0	%100
111	MP2C	X	1.555	1.555	0	%100
112	MP2C	Z	-2.693	-2.693	0	%100
113	MP3B	X	1.724	1.724	0	%100
114	MP3B	Z	-2.986	-2.986	0	%100
115	MP2B	X	1.555	1.555	0	%100
116	MP2B	Z	-2.693	-2.693	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.838	.838	0	%100
2	M1	Z	-.484	-.484	0	%100
3	M4	X	2.538	2.538	0	%100
4	M4	Z	-1.465	-1.465	0	%100
5	M10	X	.692	.692	0	%100
6	M10	Z	-.4	-.4	0	%100
7	MP3A	X	2.986	2.986	0	%100
8	MP3A	Z	-1.724	-1.724	0	%100
9	MP4A	X	2.693	2.693	0	%100
10	MP4A	Z	-1.555	-1.555	0	%100
11	MP2A	X	2.693	2.693	0	%100
12	MP2A	Z	-1.555	-1.555	0	%100
13	MP1A	X	2.693	2.693	0	%100
14	MP1A	Z	-1.555	-1.555	0	%100
15	M43	X	.692	.692	0	%100
16	M43	Z	-.4	-.4	0	%100
17	M46	X	1.086	1.086	0	%100
18	M46	Z	-.627	-.627	0	%100
19	M51B	X	3.19	3.19	0	%100
20	M51B	Z	-1.842	-1.842	0	%100
21	M52B	X	.797	.797	0	%100
22	M52B	Z	-.46	-.46	0	%100
23	M76	X	3.202	3.202	0	%100
24	M76	Z	-1.849	-1.849	0	%100
25	M77	X	4.335	4.335	0	%100
26	M77	Z	-2.503	-2.503	0	%100
27	M80	X	4.525	4.525	0	%100
28	M80	Z	-2.613	-2.613	0	%100
29	M84	X	3.202	3.202	0	%100
30	M84	Z	-1.849	-1.849	0	%100
31	M85	X	1.084	1.084	0	%100
32	M85	Z	-.626	-.626	0	%100
33	M91	X	1.131	1.131	0	%100
34	M91	Z	-.653	-.653	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	2.768	2.768	0	%100
38	M53	Z	-1.598	-1.598	0	%100
39	M54	X	2.768	2.768	0	%100
40	M54	Z	-1.598	-1.598	0	%100
41	M55	X	4.343	4.343	0	%100
42	M55	Z	-2.508	-2.508	0	%100
43	M58A	X	.797	.797	0	%100
44	M58A	Z	-.46	-.46	0	%100
45	M59A	X	.797	.797	0	%100

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.%]
46	M59A	Z	-46	-46	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	1.084	1.084	0	%100
50	M64	Z	-626	-626	0	%100
51	M66	X	1.131	1.131	0	%100
52	M66	Z	-653	-653	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	1.084	1.084	0	%100
56	M69	Z	-626	-626	0	%100
57	M71	X	1.131	1.131	0	%100
58	M71	Z	-653	-653	0	%100
59	M76A	X	2.538	2.538	0	%100
60	M76A	Z	-1.465	-1.465	0	%100
61	M77A	X	.692	.692	0	%100
62	M77A	Z	-.4	-.4	0	%100
63	M78	X	.692	.692	0	%100
64	M78	Z	-.4	-.4	0	%100
65	M79A	X	1.086	1.086	0	%100
66	M79A	Z	-.627	-.627	0	%100
67	M82	X	.797	.797	0	%100
68	M82	Z	-.46	-.46	0	%100
69	M83A	X	3.19	3.19	0	%100
70	M83A	Z	-1.842	-1.842	0	%100
71	M87	X	3.202	3.202	0	%100
72	M87	Z	-1.849	-1.849	0	%100
73	M88A	X	1.084	1.084	0	%100
74	M88A	Z	-626	-626	0	%100
75	M90	X	1.131	1.131	0	%100
76	M90	Z	-653	-653	0	%100
77	M92A	X	3.202	3.202	0	%100
78	M92A	Z	-1.849	-1.849	0	%100
79	M93	X	4.335	4.335	0	%100
80	M93	Z	-2.503	-2.503	0	%100
81	M95	X	4.525	4.525	0	%100
82	M95	Z	-2.613	-2.613	0	%100
83	M82A	X	3.351	3.351	0	%100
84	M82A	Z	-1.935	-1.935	0	%100
85	M91B	X	.838	.838	0	%100
86	M91B	Z	-.484	-.484	0	%100
87	MP4C	X	2.693	2.693	0	%100
88	MP4C	Z	-1.555	-1.555	0	%100
89	MP1C	X	2.693	2.693	0	%100
90	MP1C	Z	-1.555	-1.555	0	%100
91	MP4B	X	2.693	2.693	0	%100
92	MP4B	Z	-1.555	-1.555	0	%100
93	MP1B	X	2.693	2.693	0	%100
94	MP1B	Z	-1.555	-1.555	0	%100
95	OVP	X	2.226	2.226	0	%100
96	OVP	Z	-1.285	-1.285	0	%100
97	M102	X	.746	.746	0	%100
98	M102	Z	-.431	-.431	0	%100
99	M107	X	2.986	2.986	0	%100
100	M107	Z	-1.724	-1.724	0	%100
101	M112	X	.746	.746	0	%100
102	M112	Z	-.431	-.431	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
103	M123	X	.757	.757	0	%100
104	M123	Z	-.437	-.437	0	%100
105	M124	X	.757	.757	0	%100
106	M124	Z	-.437	-.437	0	%100
107	M125	X	3.027	3.027	0	%100
108	M125	Z	-1.747	-1.747	0	%100
109	MP3C	X	2.986	2.986	0	%100
110	MP3C	Z	-1.724	-1.724	0	%100
111	MP2C	X	2.693	2.693	0	%100
112	MP2C	Z	-1.555	-1.555	0	%100
113	MP3B	X	2.986	2.986	0	%100
114	MP3B	Z	-1.724	-1.724	0	%100
115	MP2B	X	2.693	2.693	0	%100
116	MP2B	Z	-1.555	-1.555	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	3.907	3.907	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	3.448	3.448	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	3.11	3.11	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	3.11	3.11	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	3.11	3.11	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	2.762	2.762	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	2.762	2.762	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	4.93	4.93	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	3.754	3.754	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	3.919	3.919	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	4.93	4.93	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	3.754	3.754	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	3.919	3.919	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.977	.977	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	2.397	2.397	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	2.397	2.397	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.%)
40	M54	Z	0	0	0	%100
41	M55	X	3.761	3.761	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	2.762	2.762	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	1.233	1.233	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	3.754	3.754	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	3.919	3.919	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	1.233	1.233	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	.977	.977	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	2.397	2.397	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	2.397	2.397	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	3.761	3.761	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	2.762	2.762	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	1.233	1.233	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	1.233	1.233	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	3.754	3.754	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	3.919	3.919	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	2.902	2.902	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	2.902	2.902	0	%100
86	M91B	Z	0	0	0	%100
87	MP4C	X	3.11	3.11	0	%100
88	MP4C	Z	0	0	0	%100
89	MP1C	X	3.11	3.11	0	%100
90	MP1C	Z	0	0	0	%100
91	MP4B	X	3.11	3.11	0	%100
92	MP4B	Z	0	0	0	%100
93	MP1B	X	3.11	3.11	0	%100
94	MP1B	Z	0	0	0	%100
95	OVP	X	2.571	2.571	0	%100
96	OVP	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.%]
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M107	X	2.586	2.586	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	2.586	2.586	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	2.621	2.621	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	2.621	2.621	0	%100
108	M125	Z	0	0	0	%100
109	MP3C	X	3.448	3.448	0	%100
110	MP3C	Z	0	0	0	%100
111	MP2C	X	3.11	3.11	0	%100
112	MP2C	Z	0	0	0	%100
113	MP3B	X	3.448	3.448	0	%100
114	MP3B	Z	0	0	0	%100
115	MP2B	X	3.11	3.11	0	%100
116	MP2B	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	M1	X	.838	.838	0	%100
2	M1	Z	.484	.484	0	%100
3	M4	X	2.538	2.538	0	%100
4	M4	Z	1.465	1.465	0	%100
5	M10	X	.692	.692	0	%100
6	M10	Z	.4	.4	0	%100
7	MP3A	X	2.986	2.986	0	%100
8	MP3A	Z	1.724	1.724	0	%100
9	MP4A	X	2.693	2.693	0	%100
10	MP4A	Z	1.555	1.555	0	%100
11	MP2A	X	2.693	2.693	0	%100
12	MP2A	Z	1.555	1.555	0	%100
13	MP1A	X	2.693	2.693	0	%100
14	MP1A	Z	1.555	1.555	0	%100
15	M43	X	.692	.692	0	%100
16	M43	Z	.4	.4	0	%100
17	M46	X	1.086	1.086	0	%100
18	M46	Z	.627	.627	0	%100
19	M51B	X	.797	.797	0	%100
20	M51B	Z	.46	.46	0	%100
21	M52B	X	3.19	3.19	0	%100
22	M52B	Z	1.842	1.842	0	%100
23	M76	X	3.202	3.202	0	%100
24	M76	Z	1.849	1.849	0	%100
25	M77	X	1.084	1.084	0	%100
26	M77	Z	.626	.626	0	%100
27	M80	X	1.131	1.131	0	%100
28	M80	Z	.653	.653	0	%100
29	M84	X	3.202	3.202	0	%100
30	M84	Z	1.849	1.849	0	%100
31	M85	X	4.335	4.335	0	%100
32	M85	Z	2.503	2.503	0	%100
33	M91	X	4.525	4.525	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
34	M91	Z	2.613	2.613	0	%100
35	M52A	X	2.538	2.538	0	%100
36	M52A	Z	1.465	1.465	0	%100
37	M53	X	.692	.692	0	%100
38	M53	Z	.4	.4	0	%100
39	M54	X	.692	.692	0	%100
40	M54	Z	.4	.4	0	%100
41	M55	X	1.086	1.086	0	%100
42	M55	Z	.627	.627	0	%100
43	M58A	X	3.19	3.19	0	%100
44	M58A	Z	1.842	1.842	0	%100
45	M59A	X	.797	.797	0	%100
46	M59A	Z	.46	.46	0	%100
47	M63	X	3.202	3.202	0	%100
48	M63	Z	1.849	1.849	0	%100
49	M64	X	4.335	4.335	0	%100
50	M64	Z	2.503	2.503	0	%100
51	M66	X	4.525	4.525	0	%100
52	M66	Z	2.613	2.613	0	%100
53	M68	X	3.202	3.202	0	%100
54	M68	Z	1.849	1.849	0	%100
55	M69	X	1.084	1.084	0	%100
56	M69	Z	.626	.626	0	%100
57	M71	X	1.131	1.131	0	%100
58	M71	Z	.653	.653	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	2.768	2.768	0	%100
62	M77A	Z	1.598	1.598	0	%100
63	M78	X	2.768	2.768	0	%100
64	M78	Z	1.598	1.598	0	%100
65	M79A	X	4.343	4.343	0	%100
66	M79A	Z	2.508	2.508	0	%100
67	M82	X	.797	.797	0	%100
68	M82	Z	.46	.46	0	%100
69	M83A	X	.797	.797	0	%100
70	M83A	Z	.46	.46	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	1.084	1.084	0	%100
74	M88A	Z	.626	.626	0	%100
75	M90	X	1.131	1.131	0	%100
76	M90	Z	.653	.653	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	1.084	1.084	0	%100
80	M93	Z	.626	.626	0	%100
81	M95	X	1.131	1.131	0	%100
82	M95	Z	.653	.653	0	%100
83	M82A	X	.838	.838	0	%100
84	M82A	Z	.484	.484	0	%100
85	M91B	X	3.351	3.351	0	%100
86	M91B	Z	1.935	1.935	0	%100
87	MP4C	X	2.693	2.693	0	%100
88	MP4C	Z	1.555	1.555	0	%100
89	MP1C	X	2.693	2.693	0	%100
90	MP1C	Z	1.555	1.555	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.%]
91	MP4B	X	2.693	2.693	0	%100
92	MP4B	Z	1.555	1.555	0	%100
93	MP1B	X	2.693	2.693	0	%100
94	MP1B	Z	1.555	1.555	0	%100
95	OVP	X	2.226	2.226	0	%100
96	OVP	Z	1.285	1.285	0	%100
97	M102	X	.746	.746	0	%100
98	M102	Z	.431	.431	0	%100
99	M107	X	.746	.746	0	%100
100	M107	Z	.431	.431	0	%100
101	M112	X	2.986	2.986	0	%100
102	M112	Z	1.724	1.724	0	%100
103	M123	X	.757	.757	0	%100
104	M123	Z	.437	.437	0	%100
105	M124	X	3.027	3.027	0	%100
106	M124	Z	1.747	1.747	0	%100
107	M125	X	.757	.757	0	%100
108	M125	Z	.437	.437	0	%100
109	MP3C	X	2.986	2.986	0	%100
110	MP3C	Z	1.724	1.724	0	%100
111	MP2C	X	2.693	2.693	0	%100
112	MP2C	Z	1.555	1.555	0	%100
113	MP3B	X	2.986	2.986	0	%100
114	MP3B	Z	1.724	1.724	0	%100
115	MP2B	X	2.693	2.693	0	%100
116	MP2B	Z	1.555	1.555	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.451	1.451	0	%100
2	M1	Z	2.513	2.513	0	%100
3	M4	X	.488	.488	0	%100
4	M4	Z	.846	.846	0	%100
5	M10	X	1.199	1.199	0	%100
6	M10	Z	2.076	2.076	0	%100
7	MP3A	X	1.724	1.724	0	%100
8	MP3A	Z	2.986	2.986	0	%100
9	MP4A	X	1.555	1.555	0	%100
10	MP4A	Z	2.693	2.693	0	%100
11	MP2A	X	1.555	1.555	0	%100
12	MP2A	Z	2.693	2.693	0	%100
13	MP1A	X	1.555	1.555	0	%100
14	MP1A	Z	2.693	2.693	0	%100
15	M43	X	1.199	1.199	0	%100
16	M43	Z	2.076	2.076	0	%100
17	M46	X	1.881	1.881	0	%100
18	M46	Z	3.258	3.258	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	1.381	1.381	0	%100
22	M52B	Z	2.392	2.392	0	%100
23	M76	X	.616	.616	0	%100
24	M76	Z	1.067	1.067	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	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.%]
28	M80	Z	0	0	0	%100
29	M84	X	.616	.616	0	%100
30	M84	Z	1.067	1.067	0	%100
31	M85	X	1.877	1.877	0	%100
32	M85	Z	3.251	3.251	0	%100
33	M91	X	1.959	1.959	0	%100
34	M91	Z	3.394	3.394	0	%100
35	M52A	X	1.953	1.953	0	%100
36	M52A	Z	3.383	3.383	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	1.381	1.381	0	%100
44	M58A	Z	2.392	2.392	0	%100
45	M59A	X	1.381	1.381	0	%100
46	M59A	Z	2.392	2.392	0	%100
47	M63	X	2.465	2.465	0	%100
48	M63	Z	4.27	4.27	0	%100
49	M64	X	1.877	1.877	0	%100
50	M64	Z	3.251	3.251	0	%100
51	M66	X	1.959	1.959	0	%100
52	M66	Z	3.394	3.394	0	%100
53	M68	X	2.465	2.465	0	%100
54	M68	Z	4.27	4.27	0	%100
55	M69	X	1.877	1.877	0	%100
56	M69	Z	3.251	3.251	0	%100
57	M71	X	1.959	1.959	0	%100
58	M71	Z	3.394	3.394	0	%100
59	M76A	X	.488	.488	0	%100
60	M76A	Z	.846	.846	0	%100
61	M77A	X	1.199	1.199	0	%100
62	M77A	Z	2.076	2.076	0	%100
63	M78	X	1.199	1.199	0	%100
64	M78	Z	2.076	2.076	0	%100
65	M79A	X	1.881	1.881	0	%100
66	M79A	Z	3.258	3.258	0	%100
67	M82	X	1.381	1.381	0	%100
68	M82	Z	2.392	2.392	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.616	.616	0	%100
72	M87	Z	1.067	1.067	0	%100
73	M88A	X	1.877	1.877	0	%100
74	M88A	Z	3.251	3.251	0	%100
75	M90	X	1.959	1.959	0	%100
76	M90	Z	3.394	3.394	0	%100
77	M92A	X	.616	.616	0	%100
78	M92A	Z	1.067	1.067	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
85	M91B	X	1.451	1.451	0	%100
86	M91B	Z	2.513	2.513	0	%100
87	MP4C	X	1.555	1.555	0	%100
88	MP4C	Z	2.693	2.693	0	%100
89	MP1C	X	1.555	1.555	0	%100
90	MP1C	Z	2.693	2.693	0	%100
91	MP4B	X	1.555	1.555	0	%100
92	MP4B	Z	2.693	2.693	0	%100
93	MP1B	X	1.555	1.555	0	%100
94	MP1B	Z	2.693	2.693	0	%100
95	OVP	X	1.285	1.285	0	%100
96	OVP	Z	2.226	2.226	0	%100
97	M102	X	1.293	1.293	0	%100
98	M102	Z	2.239	2.239	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	1.293	1.293	0	%100
102	M112	Z	2.239	2.239	0	%100
103	M123	X	1.311	1.311	0	%100
104	M123	Z	2.27	2.27	0	%100
105	M124	X	1.311	1.311	0	%100
106	M124	Z	2.27	2.27	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	0	0	0	%100
109	MP3C	X	1.724	1.724	0	%100
110	MP3C	Z	2.986	2.986	0	%100
111	MP2C	X	1.555	1.555	0	%100
112	MP2C	Z	2.693	2.693	0	%100
113	MP3B	X	1.724	1.724	0	%100
114	MP3B	Z	2.986	2.986	0	%100
115	MP2B	X	1.555	1.555	0	%100
116	MP2B	Z	2.693	2.693	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	M1	X	0	0	0	%100
2	M1	Z	3.87	3.87	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	3.197	3.197	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	3.448	3.448	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	3.11	3.11	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	3.11	3.11	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	3.11	3.11	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	3.197	3.197	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	5.015	5.015	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.921	.921	0	%100
21	M52B	X	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.%]
22	M52B	Z	.921	.921	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	1.251	1.251	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	1.306	1.306	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	1.251	1.251	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	1.306	1.306	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	2.93	2.93	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	.799	.799	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	.799	.799	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	1.254	1.254	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	.921	.921	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	3.683	3.683	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	3.698	3.698	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	1.251	1.251	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	1.306	1.306	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	3.698	3.698	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	5.005	5.005	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	5.225	5.225	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	2.93	2.93	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	.799	.799	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	.799	.799	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	1.254	1.254	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	3.683	3.683	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	.921	.921	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	3.698	3.698	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	5.005	5.005	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	5.225	5.225	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	3.698	3.698	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.%]
79	M93	X	0	0	0	%100
80	M93	Z	1.251	1.251	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	1.306	1.306	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	.967	.967	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	.967	.967	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	3.11	3.11	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	3.11	3.11	0	%100
91	MP4B	X	0	0	0	%100
92	MP4B	Z	3.11	3.11	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	3.11	3.11	0	%100
95	OVP	X	0	0	0	%100
96	OVP	Z	2.571	2.571	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	3.448	3.448	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	.862	.862	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	.862	.862	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	3.495	3.495	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	.874	.874	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	.874	.874	0	%100
109	MP3C	X	0	0	0	%100
110	MP3C	Z	3.448	3.448	0	%100
111	MP2C	X	0	0	0	%100
112	MP2C	Z	3.11	3.11	0	%100
113	MP3B	X	0	0	0	%100
114	MP3B	Z	3.448	3.448	0	%100
115	MP2B	X	0	0	0	%100
116	MP2B	Z	3.11	3.11	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	M1	X	-1.451	-1.451	0	%100
2	M1	Z	2.513	2.513	0	%100
3	M4	X	-.488	-.488	0	%100
4	M4	Z	.846	.846	0	%100
5	M10	X	-1.199	-1.199	0	%100
6	M10	Z	2.076	2.076	0	%100
7	MP3A	X	-1.724	-1.724	0	%100
8	MP3A	Z	2.986	2.986	0	%100
9	MP4A	X	-1.555	-1.555	0	%100
10	MP4A	Z	2.693	2.693	0	%100
11	MP2A	X	-1.555	-1.555	0	%100
12	MP2A	Z	2.693	2.693	0	%100
13	MP1A	X	-1.555	-1.555	0	%100
14	MP1A	Z	2.693	2.693	0	%100
15	M43	X	-1.199	-1.199	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.%]
16	M43	Z	2.076	2.076	0	%100
17	M46	X	-1.881	-1.881	0	%100
18	M46	Z	3.258	3.258	0	%100
19	M51B	X	-1.381	-1.381	0	%100
20	M51B	Z	2.392	2.392	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-616	-616	0	%100
24	M76	Z	1.067	1.067	0	%100
25	M77	X	-1.877	-1.877	0	%100
26	M77	Z	3.251	3.251	0	%100
27	M80	X	-1.959	-1.959	0	%100
28	M80	Z	3.394	3.394	0	%100
29	M84	X	-616	-616	0	%100
30	M84	Z	1.067	1.067	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-488	-488	0	%100
36	M52A	Z	.846	.846	0	%100
37	M53	X	-1.199	-1.199	0	%100
38	M53	Z	2.076	2.076	0	%100
39	M54	X	-1.199	-1.199	0	%100
40	M54	Z	2.076	2.076	0	%100
41	M55	X	-1.881	-1.881	0	%100
42	M55	Z	3.258	3.258	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-1.381	-1.381	0	%100
46	M59A	Z	2.392	2.392	0	%100
47	M63	X	-616	-616	0	%100
48	M63	Z	1.067	1.067	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-616	-616	0	%100
54	M68	Z	1.067	1.067	0	%100
55	M69	X	-1.877	-1.877	0	%100
56	M69	Z	3.251	3.251	0	%100
57	M71	X	-1.959	-1.959	0	%100
58	M71	Z	3.394	3.394	0	%100
59	M76A	X	-1.953	-1.953	0	%100
60	M76A	Z	3.383	3.383	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-1.381	-1.381	0	%100
68	M82	Z	2.392	2.392	0	%100
69	M83A	X	-1.381	-1.381	0	%100
70	M83A	Z	2.392	2.392	0	%100
71	M87	X	-2.465	-2.465	0	%100
72	M87	Z	4.27	4.27	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.%]
73	M88A	X	-1.877	-1.877	0	%100
74	M88A	Z	3.251	3.251	0	%100
75	M90	X	-1.959	-1.959	0	%100
76	M90	Z	3.394	3.394	0	%100
77	M92A	X	-2.465	-2.465	0	%100
78	M92A	Z	4.27	4.27	0	%100
79	M93	X	-1.877	-1.877	0	%100
80	M93	Z	3.251	3.251	0	%100
81	M95	X	-1.959	-1.959	0	%100
82	M95	Z	3.394	3.394	0	%100
83	M82A	X	-1.451	-1.451	0	%100
84	M82A	Z	2.513	2.513	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP4C	X	-1.555	-1.555	0	%100
88	MP4C	Z	2.693	2.693	0	%100
89	MP1C	X	-1.555	-1.555	0	%100
90	MP1C	Z	2.693	2.693	0	%100
91	MP4B	X	-1.555	-1.555	0	%100
92	MP4B	Z	2.693	2.693	0	%100
93	MP1B	X	-1.555	-1.555	0	%100
94	MP1B	Z	2.693	2.693	0	%100
95	OVP	X	-1.285	-1.285	0	%100
96	OVP	Z	2.226	2.226	0	%100
97	M102	X	-1.293	-1.293	0	%100
98	M102	Z	2.239	2.239	0	%100
99	M107	X	-1.293	-1.293	0	%100
100	M107	Z	2.239	2.239	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	-1.311	-1.311	0	%100
104	M123	Z	2.27	2.27	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	-1.311	-1.311	0	%100
108	M125	Z	2.27	2.27	0	%100
109	MP3C	X	-1.724	-1.724	0	%100
110	MP3C	Z	2.986	2.986	0	%100
111	MP2C	X	-1.555	-1.555	0	%100
112	MP2C	Z	2.693	2.693	0	%100
113	MP3B	X	-1.724	-1.724	0	%100
114	MP3B	Z	2.986	2.986	0	%100
115	MP2B	X	-1.555	-1.555	0	%100
116	MP2B	Z	2.693	2.693	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	M1	X	-.838	-.838	0	%100
2	M1	Z	.484	.484	0	%100
3	M4	X	-2.538	-2.538	0	%100
4	M4	Z	1.465	1.465	0	%100
5	M10	X	-.692	-.692	0	%100
6	M10	Z	.4	.4	0	%100
7	MP3A	X	-2.986	-2.986	0	%100
8	MP3A	Z	1.724	1.724	0	%100
9	MP4A	X	-2.693	-2.693	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

July 20, 2022
 10:47 AM
 Checked By: DX

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.%]
10	MP4A	Z	1.555	1.555	0	%100
11	MP2A	X	-2.693	-2.693	0	%100
12	MP2A	Z	1.555	1.555	0	%100
13	MP1A	X	-2.693	-2.693	0	%100
14	MP1A	Z	1.555	1.555	0	%100
15	M43	X	-.692	-.692	0	%100
16	M43	Z	.4	.4	0	%100
17	M46	X	-1.086	-1.086	0	%100
18	M46	Z	.627	.627	0	%100
19	M51B	X	-3.19	-3.19	0	%100
20	M51B	Z	1.842	1.842	0	%100
21	M52B	X	-.797	-.797	0	%100
22	M52B	Z	.46	.46	0	%100
23	M76	X	-3.202	-3.202	0	%100
24	M76	Z	1.849	1.849	0	%100
25	M77	X	-4.335	-4.335	0	%100
26	M77	Z	2.503	2.503	0	%100
27	M80	X	-4.525	-4.525	0	%100
28	M80	Z	2.613	2.613	0	%100
29	M84	X	-3.202	-3.202	0	%100
30	M84	Z	1.849	1.849	0	%100
31	M85	X	-1.084	-1.084	0	%100
32	M85	Z	.626	.626	0	%100
33	M91	X	-1.131	-1.131	0	%100
34	M91	Z	.653	.653	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-2.768	-2.768	0	%100
38	M53	Z	1.598	1.598	0	%100
39	M54	X	-2.768	-2.768	0	%100
40	M54	Z	1.598	1.598	0	%100
41	M55	X	-4.343	-4.343	0	%100
42	M55	Z	2.508	2.508	0	%100
43	M58A	X	-.797	-.797	0	%100
44	M58A	Z	.46	.46	0	%100
45	M59A	X	-.797	-.797	0	%100
46	M59A	Z	.46	.46	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-1.084	-1.084	0	%100
50	M64	Z	.626	.626	0	%100
51	M66	X	-1.131	-1.131	0	%100
52	M66	Z	.653	.653	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-1.084	-1.084	0	%100
56	M69	Z	.626	.626	0	%100
57	M71	X	-1.131	-1.131	0	%100
58	M71	Z	.653	.653	0	%100
59	M76A	X	-2.538	-2.538	0	%100
60	M76A	Z	1.465	1.465	0	%100
61	M77A	X	-.692	-.692	0	%100
62	M77A	Z	.4	.4	0	%100
63	M78	X	-.692	-.692	0	%100
64	M78	Z	.4	.4	0	%100
65	M79A	X	-1.086	-1.086	0	%100
66	M79A	Z	.627	.627	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.%]
67	M82	X	- .797	- .797	0	%100
68	M82	Z	.46	.46	0	%100
69	M83A	X	-3.19	-3.19	0	%100
70	M83A	Z	1.842	1.842	0	%100
71	M87	X	-3.202	-3.202	0	%100
72	M87	Z	1.849	1.849	0	%100
73	M88A	X	-1.084	-1.084	0	%100
74	M88A	Z	.626	.626	0	%100
75	M90	X	-1.131	-1.131	0	%100
76	M90	Z	.653	.653	0	%100
77	M92A	X	-3.202	-3.202	0	%100
78	M92A	Z	1.849	1.849	0	%100
79	M93	X	-4.335	-4.335	0	%100
80	M93	Z	2.503	2.503	0	%100
81	M95	X	-4.525	-4.525	0	%100
82	M95	Z	2.613	2.613	0	%100
83	M82A	X	-3.351	-3.351	0	%100
84	M82A	Z	1.935	1.935	0	%100
85	M91B	X	-.838	-.838	0	%100
86	M91B	Z	.484	.484	0	%100
87	MP4C	X	-2.693	-2.693	0	%100
88	MP4C	Z	1.555	1.555	0	%100
89	MP1C	X	-2.693	-2.693	0	%100
90	MP1C	Z	1.555	1.555	0	%100
91	MP4B	X	-2.693	-2.693	0	%100
92	MP4B	Z	1.555	1.555	0	%100
93	MP1B	X	-2.693	-2.693	0	%100
94	MP1B	Z	1.555	1.555	0	%100
95	OVP	X	-2.226	-2.226	0	%100
96	OVP	Z	1.285	1.285	0	%100
97	M102	X	-.746	-.746	0	%100
98	M102	Z	.431	.431	0	%100
99	M107	X	-2.986	-2.986	0	%100
100	M107	Z	1.724	1.724	0	%100
101	M112	X	-.746	-.746	0	%100
102	M112	Z	.431	.431	0	%100
103	M123	X	-.757	-.757	0	%100
104	M123	Z	.437	.437	0	%100
105	M124	X	-.757	-.757	0	%100
106	M124	Z	.437	.437	0	%100
107	M125	X	-3.027	-3.027	0	%100
108	M125	Z	1.747	1.747	0	%100
109	MP3C	X	-2.986	-2.986	0	%100
110	MP3C	Z	1.724	1.724	0	%100
111	MP2C	X	-2.693	-2.693	0	%100
112	MP2C	Z	1.555	1.555	0	%100
113	MP3B	X	-2.986	-2.986	0	%100
114	MP3B	Z	1.724	1.724	0	%100
115	MP2B	X	-2.693	-2.693	0	%100
116	MP2B	Z	1.555	1.555	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-3.907	-3.907	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.%]
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-3.448	-3.448	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-3.11	-3.11	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-3.11	-3.11	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-3.11	-3.11	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-2.762	-2.762	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-2.762	-2.762	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-4.93	-4.93	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-3.754	-3.754	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-3.919	-3.919	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-4.93	-4.93	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-3.754	-3.754	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-3.919	-3.919	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.977	-.977	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-2.397	-2.397	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-2.397	-2.397	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-3.761	-3.761	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-2.762	-2.762	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-1.233	-1.233	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-3.754	-3.754	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-3.919	-3.919	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-1.233	-1.233	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	-.977	-.977	0	%100
60	M76A	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.%]
61	M77A	X	-2.397	-2.397	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-2.397	-2.397	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-3.761	-3.761	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-2.762	-2.762	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-1.233	-1.233	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-1.233	-1.233	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-3.754	-3.754	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-3.919	-3.919	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-2.902	-2.902	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-2.902	-2.902	0	%100
86	M91B	Z	0	0	0	%100
87	MP4C	X	-3.11	-3.11	0	%100
88	MP4C	Z	0	0	0	%100
89	MP1C	X	-3.11	-3.11	0	%100
90	MP1C	Z	0	0	0	%100
91	MP4B	X	-3.11	-3.11	0	%100
92	MP4B	Z	0	0	0	%100
93	MP1B	X	-3.11	-3.11	0	%100
94	MP1B	Z	0	0	0	%100
95	OVP	X	-2.571	-2.571	0	%100
96	OVP	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M107	X	-2.586	-2.586	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	-2.586	-2.586	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	-2.621	-2.621	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	-2.621	-2.621	0	%100
108	M125	Z	0	0	0	%100
109	MP3C	X	-3.448	-3.448	0	%100
110	MP3C	Z	0	0	0	%100
111	MP2C	X	-3.11	-3.11	0	%100
112	MP2C	Z	0	0	0	%100
113	MP3B	X	-3.448	-3.448	0	%100
114	MP3B	Z	0	0	0	%100
115	MP2B	X	-3.11	-3.11	0	%100
116	MP2B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-838	-838	0	%100
2	M1	Z	-484	-484	0	%100
3	M4	X	-2.538	-2.538	0	%100
4	M4	Z	-1.465	-1.465	0	%100
5	M10	X	-692	-692	0	%100
6	M10	Z	-4	-4	0	%100
7	MP3A	X	-2.986	-2.986	0	%100
8	MP3A	Z	-1.724	-1.724	0	%100
9	MP4A	X	-2.693	-2.693	0	%100
10	MP4A	Z	-1.555	-1.555	0	%100
11	MP2A	X	-2.693	-2.693	0	%100
12	MP2A	Z	-1.555	-1.555	0	%100
13	MP1A	X	-2.693	-2.693	0	%100
14	MP1A	Z	-1.555	-1.555	0	%100
15	M43	X	-692	-692	0	%100
16	M43	Z	-4	-4	0	%100
17	M46	X	-1.086	-1.086	0	%100
18	M46	Z	-627	-627	0	%100
19	M51B	X	-797	-797	0	%100
20	M51B	Z	-46	-46	0	%100
21	M52B	X	-3.19	-3.19	0	%100
22	M52B	Z	-1.842	-1.842	0	%100
23	M76	X	-3.202	-3.202	0	%100
24	M76	Z	-1.849	-1.849	0	%100
25	M77	X	-1.084	-1.084	0	%100
26	M77	Z	-626	-626	0	%100
27	M80	X	-1.131	-1.131	0	%100
28	M80	Z	-653	-653	0	%100
29	M84	X	-3.202	-3.202	0	%100
30	M84	Z	-1.849	-1.849	0	%100
31	M85	X	-4.335	-4.335	0	%100
32	M85	Z	-2.503	-2.503	0	%100
33	M91	X	-4.525	-4.525	0	%100
34	M91	Z	-2.613	-2.613	0	%100
35	M52A	X	-2.538	-2.538	0	%100
36	M52A	Z	-1.465	-1.465	0	%100
37	M53	X	-692	-692	0	%100
38	M53	Z	-4	-4	0	%100
39	M54	X	-692	-692	0	%100
40	M54	Z	-4	-4	0	%100
41	M55	X	-1.086	-1.086	0	%100
42	M55	Z	-627	-627	0	%100
43	M58A	X	-3.19	-3.19	0	%100
44	M58A	Z	-1.842	-1.842	0	%100
45	M59A	X	-797	-797	0	%100
46	M59A	Z	-46	-46	0	%100
47	M63	X	-3.202	-3.202	0	%100
48	M63	Z	-1.849	-1.849	0	%100
49	M64	X	-4.335	-4.335	0	%100
50	M64	Z	-2.503	-2.503	0	%100
51	M66	X	-4.525	-4.525	0	%100
52	M66	Z	-2.613	-2.613	0	%100
53	M68	X	-3.202	-3.202	0	%100
54	M68	Z	-1.849	-1.849	0	%100
55	M69	X	-1.084	-1.084	0	%100
56	M69	Z	-626	-626	0	%100
57	M71	X	-1.131	-1.131	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
58	M71	Z	-653	-653	0 %100
59	M76A	X	0	0	0 %100
60	M76A	Z	0	0	0 %100
61	M77A	X	-2.768	-2.768	0 %100
62	M77A	Z	-1.598	-1.598	0 %100
63	M78	X	-2.768	-2.768	0 %100
64	M78	Z	-1.598	-1.598	0 %100
65	M79A	X	-4.343	-4.343	0 %100
66	M79A	Z	-2.508	-2.508	0 %100
67	M82	X	-797	-797	0 %100
68	M82	Z	-46	-46	0 %100
69	M83A	X	-797	-797	0 %100
70	M83A	Z	-46	-46	0 %100
71	M87	X	0	0	0 %100
72	M87	Z	0	0	0 %100
73	M88A	X	-1.084	-1.084	0 %100
74	M88A	Z	-626	-626	0 %100
75	M90	X	-1.131	-1.131	0 %100
76	M90	Z	-653	-653	0 %100
77	M92A	X	0	0	0 %100
78	M92A	Z	0	0	0 %100
79	M93	X	-1.084	-1.084	0 %100
80	M93	Z	-626	-626	0 %100
81	M95	X	-1.131	-1.131	0 %100
82	M95	Z	-653	-653	0 %100
83	M82A	X	-838	-838	0 %100
84	M82A	Z	-484	-484	0 %100
85	M91B	X	-3.351	-3.351	0 %100
86	M91B	Z	-1.935	-1.935	0 %100
87	MP4C	X	-2.693	-2.693	0 %100
88	MP4C	Z	-1.555	-1.555	0 %100
89	MP1C	X	-2.693	-2.693	0 %100
90	MP1C	Z	-1.555	-1.555	0 %100
91	MP4B	X	-2.693	-2.693	0 %100
92	MP4B	Z	-1.555	-1.555	0 %100
93	MP1B	X	-2.693	-2.693	0 %100
94	MP1B	Z	-1.555	-1.555	0 %100
95	OVP	X	-2.226	-2.226	0 %100
96	OVP	Z	-1.285	-1.285	0 %100
97	M102	X	-746	-746	0 %100
98	M102	Z	-431	-431	0 %100
99	M107	X	-746	-746	0 %100
100	M107	Z	-431	-431	0 %100
101	M112	X	-2.986	-2.986	0 %100
102	M112	Z	-1.724	-1.724	0 %100
103	M123	X	-757	-757	0 %100
104	M123	Z	-437	-437	0 %100
105	M124	X	-3.027	-3.027	0 %100
106	M124	Z	-1.747	-1.747	0 %100
107	M125	X	-757	-757	0 %100
108	M125	Z	-437	-437	0 %100
109	MP3C	X	-2.986	-2.986	0 %100
110	MP3C	Z	-1.724	-1.724	0 %100
111	MP2C	X	-2.693	-2.693	0 %100
112	MP2C	Z	-1.555	-1.555	0 %100
113	MP3B	X	-2.986	-2.986	0 %100
114	MP3B	Z	-1.724	-1.724	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.%]
115	MP2B	X	-2.693	-2.693	0	%100
116	MP2B	Z	-1.555	-1.555	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	M1	X	-1.451	-1.451	0	%100
2	M1	Z	-2.513	-2.513	0	%100
3	M4	X	-488	-488	0	%100
4	M4	Z	-846	-846	0	%100
5	M10	X	-1.199	-1.199	0	%100
6	M10	Z	-2.076	-2.076	0	%100
7	MP3A	X	-1.724	-1.724	0	%100
8	MP3A	Z	-2.986	-2.986	0	%100
9	MP4A	X	-1.555	-1.555	0	%100
10	MP4A	Z	-2.693	-2.693	0	%100
11	MP2A	X	-1.555	-1.555	0	%100
12	MP2A	Z	-2.693	-2.693	0	%100
13	MP1A	X	-1.555	-1.555	0	%100
14	MP1A	Z	-2.693	-2.693	0	%100
15	M43	X	-1.199	-1.199	0	%100
16	M43	Z	-2.076	-2.076	0	%100
17	M46	X	-1.881	-1.881	0	%100
18	M46	Z	-3.258	-3.258	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-1.381	-1.381	0	%100
22	M52B	Z	-2.392	-2.392	0	%100
23	M76	X	-616	-616	0	%100
24	M76	Z	-1.067	-1.067	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-616	-616	0	%100
30	M84	Z	-1.067	-1.067	0	%100
31	M85	X	-1.877	-1.877	0	%100
32	M85	Z	-3.251	-3.251	0	%100
33	M91	X	-1.959	-1.959	0	%100
34	M91	Z	-3.394	-3.394	0	%100
35	M52A	X	-1.953	-1.953	0	%100
36	M52A	Z	-3.383	-3.383	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-1.381	-1.381	0	%100
44	M58A	Z	-2.392	-2.392	0	%100
45	M59A	X	-1.381	-1.381	0	%100
46	M59A	Z	-2.392	-2.392	0	%100
47	M63	X	-2.465	-2.465	0	%100
48	M63	Z	-4.27	-4.27	0	%100
49	M64	X	-1.877	-1.877	0	%100
50	M64	Z	-3.251	-3.251	0	%100
51	M66	X	-1.959	-1.959	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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 Checked By: DX

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.%]
52	M66	Z	-3.394	-3.394	0 %100
53	M68	X	-2.465	-2.465	0 %100
54	M68	Z	-4.27	-4.27	0 %100
55	M69	X	-1.877	-1.877	0 %100
56	M69	Z	-3.251	-3.251	0 %100
57	M71	X	-1.959	-1.959	0 %100
58	M71	Z	-3.394	-3.394	0 %100
59	M76A	X	-.488	-.488	0 %100
60	M76A	Z	-.846	-.846	0 %100
61	M77A	X	-1.199	-1.199	0 %100
62	M77A	Z	-2.076	-2.076	0 %100
63	M78	X	-1.199	-1.199	0 %100
64	M78	Z	-2.076	-2.076	0 %100
65	M79A	X	-1.881	-1.881	0 %100
66	M79A	Z	-3.258	-3.258	0 %100
67	M82	X	-1.381	-1.381	0 %100
68	M82	Z	-2.392	-2.392	0 %100
69	M83A	X	0	0	0 %100
70	M83A	Z	0	0	0 %100
71	M87	X	-.616	-.616	0 %100
72	M87	Z	-1.067	-1.067	0 %100
73	M88A	X	-1.877	-1.877	0 %100
74	M88A	Z	-3.251	-3.251	0 %100
75	M90	X	-1.959	-1.959	0 %100
76	M90	Z	-3.394	-3.394	0 %100
77	M92A	X	-.616	-.616	0 %100
78	M92A	Z	-1.067	-1.067	0 %100
79	M93	X	0	0	0 %100
80	M93	Z	0	0	0 %100
81	M95	X	0	0	0 %100
82	M95	Z	0	0	0 %100
83	M82A	X	0	0	0 %100
84	M82A	Z	0	0	0 %100
85	M91B	X	-1.451	-1.451	0 %100
86	M91B	Z	-2.513	-2.513	0 %100
87	MP4C	X	-1.555	-1.555	0 %100
88	MP4C	Z	-2.693	-2.693	0 %100
89	MP1C	X	-1.555	-1.555	0 %100
90	MP1C	Z	-2.693	-2.693	0 %100
91	MP4B	X	-1.555	-1.555	0 %100
92	MP4B	Z	-2.693	-2.693	0 %100
93	MP1B	X	-1.555	-1.555	0 %100
94	MP1B	Z	-2.693	-2.693	0 %100
95	OVP	X	-1.285	-1.285	0 %100
96	OVP	Z	-2.226	-2.226	0 %100
97	M102	X	-1.293	-1.293	0 %100
98	M102	Z	-2.239	-2.239	0 %100
99	M107	X	0	0	0 %100
100	M107	Z	0	0	0 %100
101	M112	X	-1.293	-1.293	0 %100
102	M112	Z	-2.239	-2.239	0 %100
103	M123	X	-1.311	-1.311	0 %100
104	M123	Z	-2.27	-2.27	0 %100
105	M124	X	-1.311	-1.311	0 %100
106	M124	Z	-2.27	-2.27	0 %100
107	M125	X	0	0	0 %100
108	M125	Z	0	0	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.%]
109	MP3C	X	-1.724	-1.724	0	%100
110	MP3C	Z	-2.986	-2.986	0	%100
111	MP2C	X	-1.555	-1.555	0	%100
112	MP2C	Z	-2.693	-2.693	0	%100
113	MP3B	X	-1.724	-1.724	0	%100
114	MP3B	Z	-2.986	-2.986	0	%100
115	MP2B	X	-1.555	-1.555	0	%100
116	MP2B	Z	-2.693	-2.693	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-0.851	-0.851	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-0.731	-0.731	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-0.699	-0.699	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-0.577	-0.577	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-0.577	-0.577	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-0.577	-0.577	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-0.731	-0.731	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-1.459	-1.459	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-0.202	-0.202	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-0.202	-0.202	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-0.371	-0.371	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-0.391	-0.391	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-0.371	-0.371	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-0.391	-0.391	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-0.648	-0.648	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-0.183	-0.183	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-0.183	-0.183	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-0.365	-0.365	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-0.202	-0.202	0	%100
45	M59A	X	0	0	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.%]
46	M59A	Z	-81	-81	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-1.094	-1.094	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-371	-371	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-391	-391	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-1.094	-1.094	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-1.486	-1.486	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	-1.565	-1.565	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-648	-648	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-183	-183	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-183	-183	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-365	-365	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-81	-81	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-202	-202	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-1.094	-1.094	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-1.486	-1.486	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-1.565	-1.565	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-1.094	-1.094	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-371	-371	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-391	-391	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-213	-213	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-213	-213	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-577	-577	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	-577	-577	0	%100
91	MP4B	X	0	0	0	%100
92	MP4B	Z	-577	-577	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	-577	-577	0	%100
95	OVP	X	0	0	0	%100
96	OVP	Z	-472	-472	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	-699	-699	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	-175	-175	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	-175	-175	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.%]
103	M123	X	0	0	0	%100
104	M123	Z	-.864	-.864	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	-.216	-.216	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	-.216	-.216	0	%100
109	MP3C	X	0	0	0	%100
110	MP3C	Z	-.699	-.699	0	%100
111	MP2C	X	0	0	0	%100
112	MP2C	Z	-.577	-.577	0	%100
113	MP3B	X	0	0	0	%100
114	MP3B	Z	-.699	-.699	0	%100
115	MP2B	X	0	0	0	%100
116	MP2B	Z	-.577	-.577	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	M1	X	.319	.319	0	%100
2	M1	Z	-.553	-.553	0	%100
3	M4	X	.108	.108	0	%100
4	M4	Z	-.187	-.187	0	%100
5	M10	X	.274	.274	0	%100
6	M10	Z	-.475	-.475	0	%100
7	MP3A	X	.349	.349	0	%100
8	MP3A	Z	-.605	-.605	0	%100
9	MP4A	X	.289	.289	0	%100
10	MP4A	Z	-.5	-.5	0	%100
11	MP2A	X	.289	.289	0	%100
12	MP2A	Z	-.5	-.5	0	%100
13	MP1A	X	.289	.289	0	%100
14	MP1A	Z	-.5	-.5	0	%100
15	M43	X	.274	.274	0	%100
16	M43	Z	-.475	-.475	0	%100
17	M46	X	.547	.547	0	%100
18	M46	Z	-.947	-.947	0	%100
19	M51B	X	.304	.304	0	%100
20	M51B	Z	-.526	-.526	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.182	.182	0	%100
24	M76	Z	-.316	-.316	0	%100
25	M77	X	.557	.557	0	%100
26	M77	Z	-.965	-.965	0	%100
27	M80	X	.587	.587	0	%100
28	M80	Z	-1.016	-1.016	0	%100
29	M84	X	.182	.182	0	%100
30	M84	Z	-.316	-.316	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.108	.108	0	%100
36	M52A	Z	-.187	-.187	0	%100
37	M53	X	.274	.274	0	%100
38	M53	Z	-.475	-.475	0	%100
39	M54	X	.274	.274	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.%]
40	M54	Z	-.475	-.475	0	%100
41	M55	X	.547	.547	0	%100
42	M55	Z	-.947	-.947	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	.304	.304	0	%100
46	M59A	Z	-.526	-.526	0	%100
47	M63	X	.182	.182	0	%100
48	M63	Z	-.316	-.316	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.182	.182	0	%100
54	M68	Z	-.316	-.316	0	%100
55	M69	X	.557	.557	0	%100
56	M69	Z	-.965	-.965	0	%100
57	M71	X	.587	.587	0	%100
58	M71	Z	-1.016	-1.016	0	%100
59	M76A	X	.432	.432	0	%100
60	M76A	Z	-.748	-.748	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	.304	.304	0	%100
68	M82	Z	-.526	-.526	0	%100
69	M83A	X	.304	.304	0	%100
70	M83A	Z	-.526	-.526	0	%100
71	M87	X	.729	.729	0	%100
72	M87	Z	-1.263	-1.263	0	%100
73	M88A	X	.557	.557	0	%100
74	M88A	Z	-.965	-.965	0	%100
75	M90	X	.587	.587	0	%100
76	M90	Z	-1.016	-1.016	0	%100
77	M92A	X	.729	.729	0	%100
78	M92A	Z	-1.263	-1.263	0	%100
79	M93	X	.557	.557	0	%100
80	M93	Z	-.965	-.965	0	%100
81	M95	X	.587	.587	0	%100
82	M95	Z	-1.016	-1.016	0	%100
83	M82A	X	.319	.319	0	%100
84	M82A	Z	-.553	-.553	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP4C	X	.289	.289	0	%100
88	MP4C	Z	-.5	-.5	0	%100
89	MP1C	X	.289	.289	0	%100
90	MP1C	Z	-.5	-.5	0	%100
91	MP4B	X	.289	.289	0	%100
92	MP4B	Z	-.5	-.5	0	%100
93	MP1B	X	.289	.289	0	%100
94	MP1B	Z	-.5	-.5	0	%100
95	OVP	X	.236	.236	0	%100
96	OVP	Z	-.409	-.409	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.%]
97	M102	X	.262	.262	0	%100
98	M102	Z	-.454	-.454	0	%100
99	M107	X	.262	.262	0	%100
100	M107	Z	-.454	-.454	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	.324	.324	0	%100
104	M123	Z	-.561	-.561	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	.324	.324	0	%100
108	M125	Z	-.561	-.561	0	%100
109	MP3C	X	.349	.349	0	%100
110	MP3C	Z	-.605	-.605	0	%100
111	MP2C	X	.289	.289	0	%100
112	MP2C	Z	-.5	-.5	0	%100
113	MP3B	X	.349	.349	0	%100
114	MP3B	Z	-.605	-.605	0	%100
115	MP2B	X	.289	.289	0	%100
116	MP2B	Z	-.5	-.5	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	M1	X	.184	.184	0	%100
2	M1	Z	-.106	-.106	0	%100
3	M4	X	.561	.561	0	%100
4	M4	Z	-.324	-.324	0	%100
5	M10	X	.158	.158	0	%100
6	M10	Z	-.091	-.091	0	%100
7	MP3A	X	.605	.605	0	%100
8	MP3A	Z	-.349	-.349	0	%100
9	MP4A	X	.5	.5	0	%100
10	MP4A	Z	-.289	-.289	0	%100
11	MP2A	X	.5	.5	0	%100
12	MP2A	Z	-.289	-.289	0	%100
13	MP1A	X	.5	.5	0	%100
14	MP1A	Z	-.289	-.289	0	%100
15	M43	X	.158	.158	0	%100
16	M43	Z	-.091	-.091	0	%100
17	M46	X	.316	.316	0	%100
18	M46	Z	-.182	-.182	0	%100
19	M51B	X	.701	.701	0	%100
20	M51B	Z	-.405	-.405	0	%100
21	M52B	X	.175	.175	0	%100
22	M52B	Z	-.101	-.101	0	%100
23	M76	X	.947	.947	0	%100
24	M76	Z	-.547	-.547	0	%100
25	M77	X	1.287	1.287	0	%100
26	M77	Z	-.743	-.743	0	%100
27	M80	X	1.355	1.355	0	%100
28	M80	Z	-.782	-.782	0	%100
29	M84	X	.947	.947	0	%100
30	M84	Z	-.547	-.547	0	%100
31	M85	X	.322	.322	0	%100
32	M85	Z	-.186	-.186	0	%100
33	M91	X	.339	.339	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.%)
34	M91	Z	-.196	-.196	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	.633	.633	0	%100
38	M53	Z	-.366	-.366	0	%100
39	M54	X	.633	.633	0	%100
40	M54	Z	-.366	-.366	0	%100
41	M55	X	1.263	1.263	0	%100
42	M55	Z	-.729	-.729	0	%100
43	M58A	X	.175	.175	0	%100
44	M58A	Z	-.101	-.101	0	%100
45	M59A	X	.175	.175	0	%100
46	M59A	Z	-.101	-.101	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	.322	.322	0	%100
50	M64	Z	-.186	-.186	0	%100
51	M66	X	.339	.339	0	%100
52	M66	Z	-.196	-.196	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	.322	.322	0	%100
56	M69	Z	-.186	-.186	0	%100
57	M71	X	.339	.339	0	%100
58	M71	Z	-.196	-.196	0	%100
59	M76A	X	.561	.561	0	%100
60	M76A	Z	-.324	-.324	0	%100
61	M77A	X	.158	.158	0	%100
62	M77A	Z	-.091	-.091	0	%100
63	M78	X	.158	.158	0	%100
64	M78	Z	-.091	-.091	0	%100
65	M79A	X	.316	.316	0	%100
66	M79A	Z	-.182	-.182	0	%100
67	M82	X	.175	.175	0	%100
68	M82	Z	-.101	-.101	0	%100
69	M83A	X	.701	.701	0	%100
70	M83A	Z	-.405	-.405	0	%100
71	M87	X	.947	.947	0	%100
72	M87	Z	-.547	-.547	0	%100
73	M88A	X	.322	.322	0	%100
74	M88A	Z	-.186	-.186	0	%100
75	M90	X	.339	.339	0	%100
76	M90	Z	-.196	-.196	0	%100
77	M92A	X	.947	.947	0	%100
78	M92A	Z	-.547	-.547	0	%100
79	M93	X	1.287	1.287	0	%100
80	M93	Z	-.743	-.743	0	%100
81	M95	X	1.355	1.355	0	%100
82	M95	Z	-.782	-.782	0	%100
83	M82A	X	.737	.737	0	%100
84	M82A	Z	-.425	-.425	0	%100
85	M91B	X	.184	.184	0	%100
86	M91B	Z	-.106	-.106	0	%100
87	MP4C	X	.5	.5	0	%100
88	MP4C	Z	-.289	-.289	0	%100
89	MP1C	X	.5	.5	0	%100
90	MP1C	Z	-.289	-.289	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.%]
91	MP4B	X	.5	.5	0	%100
92	MP4B	Z	-.289	-.289	0	%100
93	MP1B	X	.5	.5	0	%100
94	MP1B	Z	-.289	-.289	0	%100
95	OVP	X	.409	.409	0	%100
96	OVP	Z	-.236	-.236	0	%100
97	M102	X	.151	.151	0	%100
98	M102	Z	-.087	-.087	0	%100
99	M107	X	.605	.605	0	%100
100	M107	Z	-.349	-.349	0	%100
101	M112	X	.151	.151	0	%100
102	M112	Z	-.087	-.087	0	%100
103	M123	X	.187	.187	0	%100
104	M123	Z	-.108	-.108	0	%100
105	M124	X	.187	.187	0	%100
106	M124	Z	-.108	-.108	0	%100
107	M125	X	.748	.748	0	%100
108	M125	Z	-.432	-.432	0	%100
109	MP3C	X	.605	.605	0	%100
110	MP3C	Z	-.349	-.349	0	%100
111	MP2C	X	.5	.5	0	%100
112	MP2C	Z	-.289	-.289	0	%100
113	MP3B	X	.605	.605	0	%100
114	MP3B	Z	-.349	-.349	0	%100
115	MP2B	X	.5	.5	0	%100
116	MP2B	Z	-.289	-.289	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.864	.864	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	.699	.699	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	.577	.577	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	.577	.577	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	.577	.577	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	.607	.607	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.607	.607	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	1.459	1.459	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	1.114	1.114	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	1.174	1.174	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.%]
28	M80	Z	0	0	0	%100
29	M84	X	1.459	1.459	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	1.114	1.114	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	1.174	1.174	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.216	.216	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	.548	.548	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	.548	.548	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	1.094	1.094	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	.607	.607	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	.365	.365	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	1.114	1.114	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	1.174	1.174	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.365	.365	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	.216	.216	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	.548	.548	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	.548	.548	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	1.094	1.094	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	.607	.607	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.365	.365	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	.365	.365	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	1.114	1.114	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	1.174	1.174	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	.638	.638	0	%100
84	M82A	Z	0	0	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
85	M91B	X	.638	.638	0	%100
86	M91B	Z	0	0	0	%100
87	MP4C	X	.577	.577	0	%100
88	MP4C	Z	0	0	0	%100
89	MP1C	X	.577	.577	0	%100
90	MP1C	Z	0	0	0	%100
91	MP4B	X	.577	.577	0	%100
92	MP4B	Z	0	0	0	%100
93	MP1B	X	.577	.577	0	%100
94	MP1B	Z	0	0	0	%100
95	OVP	X	.472	.472	0	%100
96	OVP	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M107	X	.524	.524	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	.524	.524	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	.648	.648	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	.648	.648	0	%100
108	M125	Z	0	0	0	%100
109	MP3C	X	.699	.699	0	%100
110	MP3C	Z	0	0	0	%100
111	MP2C	X	.577	.577	0	%100
112	MP2C	Z	0	0	0	%100
113	MP3B	X	.699	.699	0	%100
114	MP3B	Z	0	0	0	%100
115	MP2B	X	.577	.577	0	%100
116	MP2B	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	M1	X	.184	.184	0	%100
2	M1	Z	.106	.106	0	%100
3	M4	X	.561	.561	0	%100
4	M4	Z	.324	.324	0	%100
5	M10	X	.158	.158	0	%100
6	M10	Z	.091	.091	0	%100
7	MP3A	X	.605	.605	0	%100
8	MP3A	Z	.349	.349	0	%100
9	MP4A	X	.5	.5	0	%100
10	MP4A	Z	.289	.289	0	%100
11	MP2A	X	.5	.5	0	%100
12	MP2A	Z	.289	.289	0	%100
13	MP1A	X	.5	.5	0	%100
14	MP1A	Z	.289	.289	0	%100
15	M43	X	.158	.158	0	%100
16	M43	Z	.091	.091	0	%100
17	M46	X	.316	.316	0	%100
18	M46	Z	.182	.182	0	%100
19	M51B	X	.175	.175	0	%100
20	M51B	Z	.101	.101	0	%100
21	M52B	X	.701	.701	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
22	M52B	Z	.405	.405	0	%100
23	M76	X	.947	.947	0	%100
24	M76	Z	.547	.547	0	%100
25	M77	X	.322	.322	0	%100
26	M77	Z	.186	.186	0	%100
27	M80	X	.339	.339	0	%100
28	M80	Z	.196	.196	0	%100
29	M84	X	.947	.947	0	%100
30	M84	Z	.547	.547	0	%100
31	M85	X	1.287	1.287	0	%100
32	M85	Z	.743	.743	0	%100
33	M91	X	1.355	1.355	0	%100
34	M91	Z	.782	.782	0	%100
35	M52A	X	.561	.561	0	%100
36	M52A	Z	.324	.324	0	%100
37	M53	X	.158	.158	0	%100
38	M53	Z	.091	.091	0	%100
39	M54	X	.158	.158	0	%100
40	M54	Z	.091	.091	0	%100
41	M55	X	.316	.316	0	%100
42	M55	Z	.182	.182	0	%100
43	M58A	X	.701	.701	0	%100
44	M58A	Z	.405	.405	0	%100
45	M59A	X	.175	.175	0	%100
46	M59A	Z	.101	.101	0	%100
47	M63	X	.947	.947	0	%100
48	M63	Z	.547	.547	0	%100
49	M64	X	1.287	1.287	0	%100
50	M64	Z	.743	.743	0	%100
51	M66	X	1.355	1.355	0	%100
52	M66	Z	.782	.782	0	%100
53	M68	X	.947	.947	0	%100
54	M68	Z	.547	.547	0	%100
55	M69	X	.322	.322	0	%100
56	M69	Z	.186	.186	0	%100
57	M71	X	.339	.339	0	%100
58	M71	Z	.196	.196	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	.633	.633	0	%100
62	M77A	Z	.366	.366	0	%100
63	M78	X	.633	.633	0	%100
64	M78	Z	.366	.366	0	%100
65	M79A	X	1.263	1.263	0	%100
66	M79A	Z	.729	.729	0	%100
67	M82	X	.175	.175	0	%100
68	M82	Z	.101	.101	0	%100
69	M83A	X	.175	.175	0	%100
70	M83A	Z	.101	.101	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	.322	.322	0	%100
74	M88A	Z	.186	.186	0	%100
75	M90	X	.339	.339	0	%100
76	M90	Z	.196	.196	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	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.%]
79	M93	X	.322	.322	0	%100
80	M93	Z	.186	.186	0	%100
81	M95	X	.339	.339	0	%100
82	M95	Z	.196	.196	0	%100
83	M82A	X	.184	.184	0	%100
84	M82A	Z	.106	.106	0	%100
85	M91B	X	.737	.737	0	%100
86	M91B	Z	.425	.425	0	%100
87	MP4C	X	.5	.5	0	%100
88	MP4C	Z	.289	.289	0	%100
89	MP1C	X	.5	.5	0	%100
90	MP1C	Z	.289	.289	0	%100
91	MP4B	X	.5	.5	0	%100
92	MP4B	Z	.289	.289	0	%100
93	MP1B	X	.5	.5	0	%100
94	MP1B	Z	.289	.289	0	%100
95	OVP	X	.409	.409	0	%100
96	OVP	Z	.236	.236	0	%100
97	M102	X	.151	.151	0	%100
98	M102	Z	.087	.087	0	%100
99	M107	X	.151	.151	0	%100
100	M107	Z	.087	.087	0	%100
101	M112	X	.605	.605	0	%100
102	M112	Z	.349	.349	0	%100
103	M123	X	.187	.187	0	%100
104	M123	Z	.108	.108	0	%100
105	M124	X	.748	.748	0	%100
106	M124	Z	.432	.432	0	%100
107	M125	X	.187	.187	0	%100
108	M125	Z	.108	.108	0	%100
109	MP3C	X	.605	.605	0	%100
110	MP3C	Z	.349	.349	0	%100
111	MP2C	X	.5	.5	0	%100
112	MP2C	Z	.289	.289	0	%100
113	MP3B	X	.605	.605	0	%100
114	MP3B	Z	.349	.349	0	%100
115	MP2B	X	.5	.5	0	%100
116	MP2B	Z	.289	.289	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.319	.319	0	%100
2	M1	Z	.553	.553	0	%100
3	M4	X	.108	.108	0	%100
4	M4	Z	.187	.187	0	%100
5	M10	X	.274	.274	0	%100
6	M10	Z	.475	.475	0	%100
7	MP3A	X	.349	.349	0	%100
8	MP3A	Z	.605	.605	0	%100
9	MP4A	X	.289	.289	0	%100
10	MP4A	Z	.5	.5	0	%100
11	MP2A	X	.289	.289	0	%100
12	MP2A	Z	.5	.5	0	%100
13	MP1A	X	.289	.289	0	%100
14	MP1A	Z	.5	.5	0	%100
15	M43	X	.274	.274	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
16	M43	Z	.475	.475	0	%100
17	M46	X	.547	.547	0	%100
18	M46	Z	.947	.947	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.304	.304	0	%100
22	M52B	Z	.526	.526	0	%100
23	M76	X	.182	.182	0	%100
24	M76	Z	.316	.316	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.182	.182	0	%100
30	M84	Z	.316	.316	0	%100
31	M85	X	.557	.557	0	%100
32	M85	Z	.965	.965	0	%100
33	M91	X	.587	.587	0	%100
34	M91	Z	1.016	1.016	0	%100
35	M52A	X	.432	.432	0	%100
36	M52A	Z	.748	.748	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	.304	.304	0	%100
44	M58A	Z	.526	.526	0	%100
45	M59A	X	.304	.304	0	%100
46	M59A	Z	.526	.526	0	%100
47	M63	X	.729	.729	0	%100
48	M63	Z	1.263	1.263	0	%100
49	M64	X	.557	.557	0	%100
50	M64	Z	.965	.965	0	%100
51	M66	X	.587	.587	0	%100
52	M66	Z	1.016	1.016	0	%100
53	M68	X	.729	.729	0	%100
54	M68	Z	1.263	1.263	0	%100
55	M69	X	.557	.557	0	%100
56	M69	Z	.965	.965	0	%100
57	M71	X	.587	.587	0	%100
58	M71	Z	1.016	1.016	0	%100
59	M76A	X	.108	.108	0	%100
60	M76A	Z	.187	.187	0	%100
61	M77A	X	.274	.274	0	%100
62	M77A	Z	.475	.475	0	%100
63	M78	X	.274	.274	0	%100
64	M78	Z	.475	.475	0	%100
65	M79A	X	.547	.547	0	%100
66	M79A	Z	.947	.947	0	%100
67	M82	X	.304	.304	0	%100
68	M82	Z	.526	.526	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.182	.182	0	%100
72	M87	Z	.316	.316	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
73	M88A	X	.557	.557	0	%100
74	M88A	Z	.965	.965	0	%100
75	M90	X	.587	.587	0	%100
76	M90	Z	1.016	1.016	0	%100
77	M92A	X	.182	.182	0	%100
78	M92A	Z	.316	.316	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	.319	.319	0	%100
86	M91B	Z	.553	.553	0	%100
87	MP4C	X	.289	.289	0	%100
88	MP4C	Z	.5	.5	0	%100
89	MP1C	X	.289	.289	0	%100
90	MP1C	Z	.5	.5	0	%100
91	MP4B	X	.289	.289	0	%100
92	MP4B	Z	.5	.5	0	%100
93	MP1B	X	.289	.289	0	%100
94	MP1B	Z	.5	.5	0	%100
95	OVP	X	.236	.236	0	%100
96	OVP	Z	.409	.409	0	%100
97	M102	X	.262	.262	0	%100
98	M102	Z	.454	.454	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	.262	.262	0	%100
102	M112	Z	.454	.454	0	%100
103	M123	X	.324	.324	0	%100
104	M123	Z	.561	.561	0	%100
105	M124	X	.324	.324	0	%100
106	M124	Z	.561	.561	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	0	0	0	%100
109	MP3C	X	.349	.349	0	%100
110	MP3C	Z	.605	.605	0	%100
111	MP2C	X	.289	.289	0	%100
112	MP2C	Z	.5	.5	0	%100
113	MP3B	X	.349	.349	0	%100
114	MP3B	Z	.605	.605	0	%100
115	MP2B	X	.289	.289	0	%100
116	MP2B	Z	.5	.5	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	M1	X	0	0	0	%100
2	M1	Z	.851	.851	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.731	.731	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	.699	.699	0	%100
9	MP4A	X	0	0	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
10	MP4A	Z	.577	.577	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.577	.577	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.577	.577	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	.731	.731	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	1.459	1.459	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.202	.202	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.202	.202	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	.371	.371	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	.391	.391	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	.371	.371	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	.391	.391	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	.648	.648	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	.183	.183	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	.183	.183	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	.365	.365	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	.202	.202	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	.81	.81	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	1.094	1.094	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	.371	.371	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	.391	.391	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	1.094	1.094	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	1.486	1.486	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	1.565	1.565	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	.648	.648	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	.183	.183	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	.183	.183	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	.365	.365	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.%]
67	M82	X	0	0	0	%100
68	M82	Z	.81	.81	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	.202	.202	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	1.094	1.094	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	1.486	1.486	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	1.565	1.565	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	1.094	1.094	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	.371	.371	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	.391	.391	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	.213	.213	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	.213	.213	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	.577	.577	0	%100
89	MP1C	X	0	0	0	%100
90	MP1C	Z	.577	.577	0	%100
91	MP4B	X	0	0	0	%100
92	MP4B	Z	.577	.577	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	.577	.577	0	%100
95	OVP	X	0	0	0	%100
96	OVP	Z	.472	.472	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	.699	.699	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	.175	.175	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	.175	.175	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	.864	.864	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	.216	.216	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	.216	.216	0	%100
109	MP3C	X	0	0	0	%100
110	MP3C	Z	.699	.699	0	%100
111	MP2C	X	0	0	0	%100
112	MP2C	Z	.577	.577	0	%100
113	MP3B	X	0	0	0	%100
114	MP3B	Z	.699	.699	0	%100
115	MP2B	X	0	0	0	%100
116	MP2B	Z	.577	.577	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	M1	X	-.319	-.319	0	%100
2	M1	Z	.553	.553	0	%100
3	M4	X	-.108	-.108	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.%]
4	M4	Z	.187	.187	0	%100
5	M10	X	-.274	-.274	0	%100
6	M10	Z	.475	.475	0	%100
7	MP3A	X	-.349	-.349	0	%100
8	MP3A	Z	.605	.605	0	%100
9	MP4A	X	-.289	-.289	0	%100
10	MP4A	Z	.5	.5	0	%100
11	MP2A	X	-.289	-.289	0	%100
12	MP2A	Z	.5	.5	0	%100
13	MP1A	X	-.289	-.289	0	%100
14	MP1A	Z	.5	.5	0	%100
15	M43	X	-.274	-.274	0	%100
16	M43	Z	.475	.475	0	%100
17	M46	X	-.547	-.547	0	%100
18	M46	Z	.947	.947	0	%100
19	M51B	X	-.304	-.304	0	%100
20	M51B	Z	.526	.526	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-.182	-.182	0	%100
24	M76	Z	.316	.316	0	%100
25	M77	X	-.557	-.557	0	%100
26	M77	Z	.965	.965	0	%100
27	M80	X	-.587	-.587	0	%100
28	M80	Z	1.016	1.016	0	%100
29	M84	X	-.182	-.182	0	%100
30	M84	Z	.316	.316	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.108	-.108	0	%100
36	M52A	Z	.187	.187	0	%100
37	M53	X	-.274	-.274	0	%100
38	M53	Z	.475	.475	0	%100
39	M54	X	-.274	-.274	0	%100
40	M54	Z	.475	.475	0	%100
41	M55	X	-.547	-.547	0	%100
42	M55	Z	.947	.947	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-.304	-.304	0	%100
46	M59A	Z	.526	.526	0	%100
47	M63	X	-.182	-.182	0	%100
48	M63	Z	.316	.316	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-.182	-.182	0	%100
54	M68	Z	.316	.316	0	%100
55	M69	X	-.557	-.557	0	%100
56	M69	Z	.965	.965	0	%100
57	M71	X	-.587	-.587	0	%100
58	M71	Z	1.016	1.016	0	%100
59	M76A	X	-.432	-.432	0	%100
60	M76A	Z	.748	.748	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-.304	-.304	0	%100
68	M82	Z	.526	.526	0	%100
69	M83A	X	-.304	-.304	0	%100
70	M83A	Z	.526	.526	0	%100
71	M87	X	-.729	-.729	0	%100
72	M87	Z	1.263	1.263	0	%100
73	M88A	X	-.557	-.557	0	%100
74	M88A	Z	.965	.965	0	%100
75	M90	X	-.587	-.587	0	%100
76	M90	Z	1.016	1.016	0	%100
77	M92A	X	-.729	-.729	0	%100
78	M92A	Z	1.263	1.263	0	%100
79	M93	X	-.557	-.557	0	%100
80	M93	Z	.965	.965	0	%100
81	M95	X	-.587	-.587	0	%100
82	M95	Z	1.016	1.016	0	%100
83	M82A	X	-.319	-.319	0	%100
84	M82A	Z	.553	.553	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	MP4C	X	-.289	-.289	0	%100
88	MP4C	Z	.5	.5	0	%100
89	MP1C	X	-.289	-.289	0	%100
90	MP1C	Z	.5	.5	0	%100
91	MP4B	X	-.289	-.289	0	%100
92	MP4B	Z	.5	.5	0	%100
93	MP1B	X	-.289	-.289	0	%100
94	MP1B	Z	.5	.5	0	%100
95	OVP	X	-.236	-.236	0	%100
96	OVP	Z	.409	.409	0	%100
97	M102	X	-.262	-.262	0	%100
98	M102	Z	.454	.454	0	%100
99	M107	X	-.262	-.262	0	%100
100	M107	Z	.454	.454	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	-.324	-.324	0	%100
104	M123	Z	.561	.561	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	-.324	-.324	0	%100
108	M125	Z	.561	.561	0	%100
109	MP3C	X	-.349	-.349	0	%100
110	MP3C	Z	.605	.605	0	%100
111	MP2C	X	-.289	-.289	0	%100
112	MP2C	Z	.5	.5	0	%100
113	MP3B	X	-.349	-.349	0	%100
114	MP3B	Z	.605	.605	0	%100
115	MP2B	X	-.289	-.289	0	%100
116	MP2B	Z	.5	.5	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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	M1	X	-.184	-.184	0	%100
2	M1	Z	.106	.106	0	%100
3	M4	X	-.561	-.561	0	%100
4	M4	Z	.324	.324	0	%100
5	M10	X	-.158	-.158	0	%100
6	M10	Z	.091	.091	0	%100
7	MP3A	X	-.605	-.605	0	%100
8	MP3A	Z	.349	.349	0	%100
9	MP4A	X	-.5	-.5	0	%100
10	MP4A	Z	.289	.289	0	%100
11	MP2A	X	-.5	-.5	0	%100
12	MP2A	Z	.289	.289	0	%100
13	MP1A	X	-.5	-.5	0	%100
14	MP1A	Z	.289	.289	0	%100
15	M43	X	-.158	-.158	0	%100
16	M43	Z	.091	.091	0	%100
17	M46	X	-.316	-.316	0	%100
18	M46	Z	.182	.182	0	%100
19	M51B	X	-.701	-.701	0	%100
20	M51B	Z	.405	.405	0	%100
21	M52B	X	-.175	-.175	0	%100
22	M52B	Z	.101	.101	0	%100
23	M76	X	-.947	-.947	0	%100
24	M76	Z	.547	.547	0	%100
25	M77	X	-1.287	-1.287	0	%100
26	M77	Z	.743	.743	0	%100
27	M80	X	-1.355	-1.355	0	%100
28	M80	Z	.782	.782	0	%100
29	M84	X	-.947	-.947	0	%100
30	M84	Z	.547	.547	0	%100
31	M85	X	-.322	-.322	0	%100
32	M85	Z	.186	.186	0	%100
33	M91	X	-.339	-.339	0	%100
34	M91	Z	.196	.196	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-.633	-.633	0	%100
38	M53	Z	.366	.366	0	%100
39	M54	X	-.633	-.633	0	%100
40	M54	Z	.366	.366	0	%100
41	M55	X	-1.263	-1.263	0	%100
42	M55	Z	.729	.729	0	%100
43	M58A	X	-.175	-.175	0	%100
44	M58A	Z	.101	.101	0	%100
45	M59A	X	-.175	-.175	0	%100
46	M59A	Z	.101	.101	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-.322	-.322	0	%100
50	M64	Z	.186	.186	0	%100
51	M66	X	-.339	-.339	0	%100
52	M66	Z	.196	.196	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-.322	-.322	0	%100
56	M69	Z	.186	.186	0	%100
57	M71	X	-.339	-.339	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
58	M71	Z	.196	.196	0	%100
59	M76A	X	-.561	-.561	0	%100
60	M76A	Z	.324	.324	0	%100
61	M77A	X	-.158	-.158	0	%100
62	M77A	Z	.091	.091	0	%100
63	M78	X	-.158	-.158	0	%100
64	M78	Z	.091	.091	0	%100
65	M79A	X	-.316	-.316	0	%100
66	M79A	Z	.182	.182	0	%100
67	M82	X	-.175	-.175	0	%100
68	M82	Z	.101	.101	0	%100
69	M83A	X	-.701	-.701	0	%100
70	M83A	Z	.405	.405	0	%100
71	M87	X	-.947	-.947	0	%100
72	M87	Z	.547	.547	0	%100
73	M88A	X	-.322	-.322	0	%100
74	M88A	Z	.186	.186	0	%100
75	M90	X	-.339	-.339	0	%100
76	M90	Z	.196	.196	0	%100
77	M92A	X	-.947	-.947	0	%100
78	M92A	Z	.547	.547	0	%100
79	M93	X	-1.287	-1.287	0	%100
80	M93	Z	.743	.743	0	%100
81	M95	X	-1.355	-1.355	0	%100
82	M95	Z	.782	.782	0	%100
83	M82A	X	-.737	-.737	0	%100
84	M82A	Z	.425	.425	0	%100
85	M91B	X	-.184	-.184	0	%100
86	M91B	Z	.106	.106	0	%100
87	MP4C	X	-.5	-.5	0	%100
88	MP4C	Z	.289	.289	0	%100
89	MP1C	X	-.5	-.5	0	%100
90	MP1C	Z	.289	.289	0	%100
91	MP4B	X	-.5	-.5	0	%100
92	MP4B	Z	.289	.289	0	%100
93	MP1B	X	-.5	-.5	0	%100
94	MP1B	Z	.289	.289	0	%100
95	OVP	X	-.409	-.409	0	%100
96	OVP	Z	.236	.236	0	%100
97	M102	X	-.151	-.151	0	%100
98	M102	Z	.087	.087	0	%100
99	M107	X	-.605	-.605	0	%100
100	M107	Z	.349	.349	0	%100
101	M112	X	-.151	-.151	0	%100
102	M112	Z	.087	.087	0	%100
103	M123	X	-.187	-.187	0	%100
104	M123	Z	.108	.108	0	%100
105	M124	X	-.187	-.187	0	%100
106	M124	Z	.108	.108	0	%100
107	M125	X	-.748	-.748	0	%100
108	M125	Z	.432	.432	0	%100
109	MP3C	X	-.605	-.605	0	%100
110	MP3C	Z	.349	.349	0	%100
111	MP2C	X	-.5	-.5	0	%100
112	MP2C	Z	.289	.289	0	%100
113	MP3B	X	-.605	-.605	0	%100
114	MP3B	Z	.349	.349	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.%]
115	MP2B	X	-.5	-.5	0	%100
116	MP2B	Z	.289	.289	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.864	-.864	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-.699	-.699	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-.577	-.577	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-.577	-.577	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.577	-.577	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-.607	-.607	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.607	-.607	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-1.459	-1.459	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-1.114	-1.114	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-1.174	-1.174	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-1.459	-1.459	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-1.114	-1.114	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-1.174	-1.174	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.216	-.216	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-.548	-.548	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-.548	-.548	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-1.094	-1.094	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-.607	-.607	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-.365	-.365	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-1.114	-1.114	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-1.174	-1.174	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
52	M66	Z	0	0	0	%100
53	M68	X	-.365	-.365	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	-.216	-.216	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-.548	-.548	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-.548	-.548	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-1.094	-1.094	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-.607	-.607	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.365	-.365	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-.365	-.365	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-1.114	-1.114	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-1.174	-1.174	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-.638	-.638	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-.638	-.638	0	%100
86	M91B	Z	0	0	0	%100
87	MP4C	X	-.577	-.577	0	%100
88	MP4C	Z	0	0	0	%100
89	MP1C	X	-.577	-.577	0	%100
90	MP1C	Z	0	0	0	%100
91	MP4B	X	-.577	-.577	0	%100
92	MP4B	Z	0	0	0	%100
93	MP1B	X	-.577	-.577	0	%100
94	MP1B	Z	0	0	0	%100
95	OVP	X	-.472	-.472	0	%100
96	OVP	Z	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
99	M107	X	-.524	-.524	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	-.524	-.524	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	-.648	-.648	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	-.648	-.648	0	%100
108	M125	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.%]
109	MP3C	X	-699	-699	0	%100
110	MP3C	Z	0	0	0	%100
111	MP2C	X	-577	-577	0	%100
112	MP2C	Z	0	0	0	%100
113	MP3B	X	-699	-699	0	%100
114	MP3B	Z	0	0	0	%100
115	MP2B	X	-577	-577	0	%100
116	MP2B	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	M1	X	-184	-184	0	%100
2	M1	Z	-106	-106	0	%100
3	M4	X	-561	-561	0	%100
4	M4	Z	-324	-324	0	%100
5	M10	X	-158	-158	0	%100
6	M10	Z	-091	-091	0	%100
7	MP3A	X	-605	-605	0	%100
8	MP3A	Z	-349	-349	0	%100
9	MP4A	X	-5	-5	0	%100
10	MP4A	Z	-289	-289	0	%100
11	MP2A	X	-5	-5	0	%100
12	MP2A	Z	-289	-289	0	%100
13	MP1A	X	-5	-5	0	%100
14	MP1A	Z	-289	-289	0	%100
15	M43	X	-158	-158	0	%100
16	M43	Z	-091	-091	0	%100
17	M46	X	-316	-316	0	%100
18	M46	Z	-182	-182	0	%100
19	M51B	X	-175	-175	0	%100
20	M51B	Z	-101	-101	0	%100
21	M52B	X	-701	-701	0	%100
22	M52B	Z	-405	-405	0	%100
23	M76	X	-947	-947	0	%100
24	M76	Z	-547	-547	0	%100
25	M77	X	-322	-322	0	%100
26	M77	Z	-186	-186	0	%100
27	M80	X	-339	-339	0	%100
28	M80	Z	-196	-196	0	%100
29	M84	X	-947	-947	0	%100
30	M84	Z	-547	-547	0	%100
31	M85	X	-1.287	-1.287	0	%100
32	M85	Z	-743	-743	0	%100
33	M91	X	-1.355	-1.355	0	%100
34	M91	Z	-782	-782	0	%100
35	M52A	X	-561	-561	0	%100
36	M52A	Z	-324	-324	0	%100
37	M53	X	-158	-158	0	%100
38	M53	Z	-091	-091	0	%100
39	M54	X	-158	-158	0	%100
40	M54	Z	-091	-091	0	%100
41	M55	X	-316	-316	0	%100
42	M55	Z	-182	-182	0	%100
43	M58A	X	-701	-701	0	%100
44	M58A	Z	-405	-405	0	%100
45	M59A	X	-175	-175	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.%]
46	M59A	Z	-.101	-.101	0	%100
47	M63	X	-.947	-.947	0	%100
48	M63	Z	-.547	-.547	0	%100
49	M64	X	-1.287	-1.287	0	%100
50	M64	Z	-.743	-.743	0	%100
51	M66	X	-1.355	-1.355	0	%100
52	M66	Z	-.782	-.782	0	%100
53	M68	X	-.947	-.947	0	%100
54	M68	Z	-.547	-.547	0	%100
55	M69	X	-.322	-.322	0	%100
56	M69	Z	-.186	-.186	0	%100
57	M71	X	-.339	-.339	0	%100
58	M71	Z	-.196	-.196	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-.633	-.633	0	%100
62	M77A	Z	-.366	-.366	0	%100
63	M78	X	-.633	-.633	0	%100
64	M78	Z	-.366	-.366	0	%100
65	M79A	X	-1.263	-1.263	0	%100
66	M79A	Z	-.729	-.729	0	%100
67	M82	X	-.175	-.175	0	%100
68	M82	Z	-.101	-.101	0	%100
69	M83A	X	-.175	-.175	0	%100
70	M83A	Z	-.101	-.101	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-.322	-.322	0	%100
74	M88A	Z	-.186	-.186	0	%100
75	M90	X	-.339	-.339	0	%100
76	M90	Z	-.196	-.196	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-.322	-.322	0	%100
80	M93	Z	-.186	-.186	0	%100
81	M95	X	-.339	-.339	0	%100
82	M95	Z	-.196	-.196	0	%100
83	M82A	X	-.184	-.184	0	%100
84	M82A	Z	-.106	-.106	0	%100
85	M91B	X	-.737	-.737	0	%100
86	M91B	Z	-.425	-.425	0	%100
87	MP4C	X	-.5	-.5	0	%100
88	MP4C	Z	-.289	-.289	0	%100
89	MP1C	X	-.5	-.5	0	%100
90	MP1C	Z	-.289	-.289	0	%100
91	MP4B	X	-.5	-.5	0	%100
92	MP4B	Z	-.289	-.289	0	%100
93	MP1B	X	-.5	-.5	0	%100
94	MP1B	Z	-.289	-.289	0	%100
95	OVP	X	-.409	-.409	0	%100
96	OVP	Z	-.236	-.236	0	%100
97	M102	X	-.151	-.151	0	%100
98	M102	Z	-.087	-.087	0	%100
99	M107	X	-.151	-.151	0	%100
100	M107	Z	-.087	-.087	0	%100
101	M112	X	-.605	-.605	0	%100
102	M112	Z	-.349	-.349	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.%]
103	M123	X	-187	-187	0	%100
104	M123	Z	-108	-108	0	%100
105	M124	X	-748	-748	0	%100
106	M124	Z	-432	-432	0	%100
107	M125	X	-187	-187	0	%100
108	M125	Z	-108	-108	0	%100
109	MP3C	X	-605	-605	0	%100
110	MP3C	Z	-349	-349	0	%100
111	MP2C	X	-5	-5	0	%100
112	MP2C	Z	-289	-289	0	%100
113	MP3B	X	-605	-605	0	%100
114	MP3B	Z	-349	-349	0	%100
115	MP2B	X	-5	-5	0	%100
116	MP2B	Z	-289	-289	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	M1	X	-319	-319	0	%100
2	M1	Z	-553	-553	0	%100
3	M4	X	-108	-108	0	%100
4	M4	Z	-187	-187	0	%100
5	M10	X	-274	-274	0	%100
6	M10	Z	-475	-475	0	%100
7	MP3A	X	-349	-349	0	%100
8	MP3A	Z	-605	-605	0	%100
9	MP4A	X	-289	-289	0	%100
10	MP4A	Z	-5	-5	0	%100
11	MP2A	X	-289	-289	0	%100
12	MP2A	Z	-5	-5	0	%100
13	MP1A	X	-289	-289	0	%100
14	MP1A	Z	-5	-5	0	%100
15	M43	X	-274	-274	0	%100
16	M43	Z	-475	-475	0	%100
17	M46	X	-547	-547	0	%100
18	M46	Z	-947	-947	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-304	-304	0	%100
22	M52B	Z	-526	-526	0	%100
23	M76	X	-182	-182	0	%100
24	M76	Z	-316	-316	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-182	-182	0	%100
30	M84	Z	-316	-316	0	%100
31	M85	X	-557	-557	0	%100
32	M85	Z	-965	-965	0	%100
33	M91	X	-587	-587	0	%100
34	M91	Z	-1.016	-1.016	0	%100
35	M52A	X	-432	-432	0	%100
36	M52A	Z	-748	-748	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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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.%]
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-.304	-.304	0	%100
44	M58A	Z	-.526	-.526	0	%100
45	M59A	X	-.304	-.304	0	%100
46	M59A	Z	-.526	-.526	0	%100
47	M63	X	-.729	-.729	0	%100
48	M63	Z	-1.263	-1.263	0	%100
49	M64	X	-.557	-.557	0	%100
50	M64	Z	-.965	-.965	0	%100
51	M66	X	-.587	-.587	0	%100
52	M66	Z	-1.016	-1.016	0	%100
53	M68	X	-.729	-.729	0	%100
54	M68	Z	-1.263	-1.263	0	%100
55	M69	X	-.557	-.557	0	%100
56	M69	Z	-.965	-.965	0	%100
57	M71	X	-.587	-.587	0	%100
58	M71	Z	-1.016	-1.016	0	%100
59	M76A	X	-.108	-.108	0	%100
60	M76A	Z	-.187	-.187	0	%100
61	M77A	X	-.274	-.274	0	%100
62	M77A	Z	-.475	-.475	0	%100
63	M78	X	-.274	-.274	0	%100
64	M78	Z	-.475	-.475	0	%100
65	M79A	X	-.547	-.547	0	%100
66	M79A	Z	-.947	-.947	0	%100
67	M82	X	-.304	-.304	0	%100
68	M82	Z	-.526	-.526	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.182	-.182	0	%100
72	M87	Z	-.316	-.316	0	%100
73	M88A	X	-.557	-.557	0	%100
74	M88A	Z	-.965	-.965	0	%100
75	M90	X	-.587	-.587	0	%100
76	M90	Z	-1.016	-1.016	0	%100
77	M92A	X	-.182	-.182	0	%100
78	M92A	Z	-.316	-.316	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-.319	-.319	0	%100
86	M91B	Z	-.553	-.553	0	%100
87	MP4C	X	-.289	-.289	0	%100
88	MP4C	Z	-.5	-.5	0	%100
89	MP1C	X	-.289	-.289	0	%100
90	MP1C	Z	-.5	-.5	0	%100
91	MP4B	X	-.289	-.289	0	%100
92	MP4B	Z	-.5	-.5	0	%100
93	MP1B	X	-.289	-.289	0	%100
94	MP1B	Z	-.5	-.5	0	%100
95	OVP	X	-.236	-.236	0	%100
96	OVP	Z	-.409	-.409	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.%]
97	M102	X	-.262	-.262	0	%100
98	M102	Z	-.454	-.454	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	-.262	-.262	0	%100
102	M112	Z	-.454	-.454	0	%100
103	M123	X	-.324	-.324	0	%100
104	M123	Z	-.561	-.561	0	%100
105	M124	X	-.324	-.324	0	%100
106	M124	Z	-.561	-.561	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	0	0	0	%100
109	MP3C	X	-.349	-.349	0	%100
110	MP3C	Z	-.605	-.605	0	%100
111	MP2C	X	-.289	-.289	0	%100
112	MP2C	Z	-.5	-.5	0	%100
113	MP3B	X	-.349	-.349	0	%100
114	MP3B	Z	-.605	-.605	0	%100
115	MP2B	X	-.289	-.289	0	%100
116	MP2B	Z	-.5	-.5	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	M58A	Y	-1.661	-4.228	0	.832
2	M58A	Y	-4.228	-6.902	.832	1.665
3	M58A	Y	-6.902	-8.189	1.665	2.497
4	M58A	Y	-8.189	-6.545	2.497	3.329
5	M58A	Y	-6.545	-3.463	3.329	4.162
6	M59A	Y	-3.462	-6.573	0	.832
7	M59A	Y	-6.573	-8.26	.832	1.665
8	M59A	Y	-8.26	-7.044	1.665	2.497
9	M59A	Y	-7.044	-4.426	2.497	3.329
10	M59A	Y	-4.426	-1.884	3.329	4.162
11	M51B	Y	-1.881	-4.429	0	.832
12	M51B	Y	-4.429	-7.041	.832	1.665
13	M51B	Y	-7.041	-8.256	1.665	2.497
14	M51B	Y	-8.256	-6.578	2.497	3.329
15	M51B	Y	-6.578	-3.469	3.329	4.162
16	M52B	Y	-3.463	-6.544	0	.832
17	M52B	Y	-6.544	-8.189	.832	1.665
18	M52B	Y	-8.189	-6.901	1.665	2.497
19	M52B	Y	-6.901	-4.226	2.497	3.329
20	M52B	Y	-4.226	-1.665	3.329	4.162
21	M82	Y	-1.884	-4.426	0	.832
22	M82	Y	-4.426	-7.044	.832	1.665
23	M82	Y	-7.044	-8.26	1.665	2.497
24	M82	Y	-8.26	-6.573	2.497	3.329
25	M82	Y	-6.573	-3.462	3.329	4.162
26	M83A	Y	-3.463	-6.545	0	.832
27	M83A	Y	-6.545	-8.189	.832	1.665
28	M83A	Y	-8.189	-6.902	1.665	2.497
29	M83A	Y	-6.902	-4.228	2.497	3.329
30	M83A	Y	-4.228	-1.661	3.329	4.162

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.%]
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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.%]
1	M58A	Y	-3.154	-8.026	0	.832
2	M58A	Y	-8.026	-13.102	.832	1.665
3	M58A	Y	-13.102	-15.544	1.665	2.497
4	M58A	Y	-15.544	-12.423	2.497	3.329
5	M58A	Y	-12.423	-6.574	3.329	4.162
6	M59A	Y	-6.571	-12.478	0	.832
7	M59A	Y	-12.478	-15.68	.832	1.665
8	M59A	Y	-15.68	-13.372	1.665	2.497
9	M59A	Y	-13.372	-8.402	2.497	3.329
10	M59A	Y	-8.402	-3.577	3.329	4.162
11	M51B	Y	-3.57	-8.408	0	.832
12	M51B	Y	-8.408	-13.367	.832	1.665
13	M51B	Y	-13.367	-15.671	1.665	2.497
14	M51B	Y	-15.671	-12.486	2.497	3.329
15	M51B	Y	-12.486	-6.586	3.329	4.162
16	M52B	Y	-6.574	-12.421	0	.832
17	M52B	Y	-12.421	-15.546	.832	1.665
18	M52B	Y	-15.546	-13.099	1.665	2.497
19	M52B	Y	-13.099	-8.022	2.497	3.329
20	M52B	Y	-8.022	-3.161	3.329	4.162
21	M82	Y	-3.577	-8.402	0	.832
22	M82	Y	-8.402	-13.372	.832	1.665
23	M82	Y	-13.372	-15.68	1.665	2.497
24	M82	Y	-15.68	-12.478	2.497	3.329
25	M82	Y	-12.478	-6.571	3.329	4.162
26	M83A	Y	-6.574	-12.423	0	.832
27	M83A	Y	-12.423	-15.544	.832	1.665
28	M83A	Y	-15.544	-13.102	1.665	2.497
29	M83A	Y	-13.102	-8.026	2.497	3.329
30	M83A	Y	-8.026	-3.154	3.329	4.162

Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M58A	Z	-.05	-.127	0	.832
2	M58A	Z	-.127	-.207	.832	1.665
3	M58A	Z	-.207	-.246	1.665	2.497
4	M58A	Z	-.246	-.196	2.497	3.329
5	M58A	Z	-.196	-.104	3.329	4.162
6	M59A	Z	-.104	-.197	0	.832
7	M59A	Z	-.197	-.248	.832	1.665
8	M59A	Z	-.248	-.211	1.665	2.497
9	M59A	Z	-.211	-.133	2.497	3.329
10	M59A	Z	-.133	-.057	3.329	4.162
11	M51B	Z	-.056	-.133	0	.832
12	M51B	Z	-.133	-.211	.832	1.665
13	M51B	Z	-.211	-.248	1.665	2.497
14	M51B	Z	-.248	-.197	2.497	3.329
15	M51B	Z	-.197	-.104	3.329	4.162
16	M52B	Z	-.104	-.196	0	.832
17	M52B	Z	-.196	-.246	.832	1.665
18	M52B	Z	-.246	-.207	1.665	2.497
19	M52B	Z	-.207	-.127	2.497	3.329
20	M52B	Z	-.127	-.05	3.329	4.162
21	M82	Z	-.057	-.133	0	.832
22	M82	Z	-.133	-.211	.832	1.665
23	M82	Z	-.211	-.248	1.665	2.497

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

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Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
24	M82	Z	-.248	-.197	2.497	3.329
25	M82	Z	-.197	-.104	3.329	4.162
26	M83A	Z	-.104	-.196	0	.832
27	M83A	Z	-.196	-.246	.832	1.665
28	M83A	Z	-.246	-.207	1.665	2.497
29	M83A	Z	-.207	-.127	2.497	3.329
30	M83A	Z	-.127	-.05	3.329	4.162

Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M58A	X	.05	.127	0	.832
2	M58A	X	.127	.207	.832	1.665
3	M58A	X	.207	.246	1.665	2.497
4	M58A	X	.246	.196	2.497	3.329
5	M58A	X	.196	.104	3.329	4.162
6	M59A	X	.104	.197	0	.832
7	M59A	X	.197	.248	.832	1.665
8	M59A	X	.248	.211	1.665	2.497
9	M59A	X	.211	.133	2.497	3.329
10	M59A	X	.133	.057	3.329	4.162
11	M51B	X	.056	.133	0	.832
12	M51B	X	.133	.211	.832	1.665
13	M51B	X	.211	.248	1.665	2.497
14	M51B	X	.248	.197	2.497	3.329
15	M51B	X	.197	.104	3.329	4.162
16	M52B	X	.104	.196	0	.832
17	M52B	X	.196	.246	.832	1.665
18	M52B	X	.246	.207	1.665	2.497
19	M52B	X	.207	.127	2.497	3.329
20	M52B	X	.127	.05	3.329	4.162
21	M82	X	.057	.133	0	.832
22	M82	X	.133	.211	.832	1.665
23	M82	X	.211	.248	1.665	2.497
24	M82	X	.248	.197	2.497	3.329
25	M82	X	.197	.104	3.329	4.162
26	M83A	X	.104	.196	0	.832
27	M83A	X	.196	.246	.832	1.665
28	M83A	X	.246	.207	1.665	2.497
29	M83A	X	.207	.127	2.497	3.329
30	M83A	X	.127	.05	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N111	N89	N90	Y	Two Way	-.005
2	N87B	N87C	N6	N7	Y	Two Way	-.005
3	N139	N141	N118	N117	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N111	N89	N90	Y	Two Way	-.01
2	N87B	N87C	N6	N7	Y	Two Way	-.01
3	N139	N141	N118	N117	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N111	N89	N90	Y	Two Way	0
2	N87B	N87C	N6	N7	Y	Two Way	0
3	N139	N141	N118	N117	Y	Two Way	0

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N111	N89	N90	Z	Two Way	-.000156
2	N87B	N87C	N6	N7	Z	Two Way	-.000156
3	N139	N141	N118	N117	Z	Two Way	-.000156

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N111	N89	N90	X	Two Way	.000156
2	N87B	N87C	N6	N7	X	Two Way	.000156
3	N139	N141	N118	N117	X	Two Way	.000156

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	N3	max 809.259	10	2274.845	13	1616.261	1	4.132	13	.937	4	.156	3
2		min -807.64	4	571.002	7	-1720.16	7	.192	7	-.936	10	-.138	9
3	N87D	max 1230.85	9	2136.525	21	915.903	1	-.181	3	.89	12	-.249	3
4		min -1321.431	3	514.039	3	-865.286	7	-2.104	45	-.889	6	-3.478	21
5	N115	max 1372.556	11	2141.269	17	843.036	1	-.129	11	.902	8	3.545	17
6		min -1283.224	5	515.709	11	-789.756	7	-2.117	29	-.901	2	.282	11
7	Totals:	max 3326.948	10	6114.28	23	3375.2	1						
8		min -3326.947	4	2232.499	68	-3375.201	7						

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

Member	Shape	Code Check	Loc...	LC	Shear Check	Loc(ft)	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn	
1	M1	PIPE 3.0	.073	4.948	18	.057	7.682	21	28250.5...	65205	5.749	5.749	2...	H1-1b	
2	M4	HSS4X4X4	.258	0	13	.063	0	y	24	124657...	139518	16.181	16.181	3...	H1-1b
3	M10	HSS4X4X4	.153	2.375	14	.046	2.375	y	13	136263...	139518	16.181	16.181	1...	H1-1b
4	MP3A	PIPE 2.5	.177	5.083	5	.062	2.833	8	30038.4...	50715	3.596	3.596	3...	H1-1b	
5	MP4A	PIPE 2.0	.158	3.063	5	.079	.875	7	20866.7...	32130	1.872	1.872	1...	H1-1b	
6	MP2A	PIPE 2.0	.221	5.083	9	.064	5.083	11	14916.0...	32130	1.872	1.872	3...	H1-1b	
7	MP1A	PIPE 2.0	.171	3.063	9	.078	.875	7	20866.7...	32130	1.872	1.872	1...	H1-1b	
8	M43	HSS4X4X4	.156	0	24	.049	0	y	13	136263...	139518	16.181	16.181	1...	H1-1b
9	M46	PL1/2x6	.091	.516	7	.081	1.031	y	15	66009.2...	97200	1.012	12.15	1...	H1-1b
10	M51B	L2x2x3	.104	0	2	.012	0	y	16	9823.122	23392.8	.558	1.088	1.2	H2-1
11	M52B	L2x2x3	.108	4.162	12	.012	0	y	22	9823.122	23392.8	.558	1.089	1...	H2-1
12	M76	PL3/8x6	.161	0	10	.239	0	y	18	70677.9...	72900	.57	9.113	1...	H1-1b
13	M77	PL3/8x6	.150	.167	7	.313	0	y	13	71601.7...	72900	.57	9.113	1...	H1-1b
14	M80	PL1/2x6	.044	.112	1	.050	.112	y	5	96757.5...	97200	1.012	12.15	1...	H1-1b
15	M84	PL3/8x6	.195	0	10	.211	0	y	20	70677.9...	72900	.57	9.113	1...	H1-1b
16	M85	PL3/8x6	.157	.167	6	.320	0	y	24	71601.7...	72900	.57	9.113	1...	H1-1b
17	M91	PL1/2x6	.042	.112	1	.053	.112	y	9	96757.5...	97200	1.012	12.15	1...	H1-1b
18	M52A	HSS4X4X4	.253	0	21	.086	0	y	44	124657...	139518	16.181	16.181	3...	H1-1b
19	M53	HSS4X4X4	.154	2.375	22	.046	2.375	y	21	136263...	139518	16.181	16.181	1...	H1-1b
20	M54	HSS4X4X4	.155	0	20	.049	0	y	45	136263...	139518	16.181	16.181	1...	H1-1b
21	M55	PL1/2x6	.091	.516	3	.082	1.031	y	23	66009.2...	97200	1.012	12.15	1...	H1-1b
22	M58A	L2x2x3	.104	0	10	.012	0	y	24	9823.122	23392.8	.558	1.089	1...	H2-1
23	M59A	L2x2x3	.108	4.162	8	.012	4.162	y	17	9823.122	23392.8	.558	1.088	1.2	H2-1
24	M63	PL3/8x6	.160	0	6	.241	0	y	14	70677.9...	72900	.57	9.113	1...	H1-1b

Company : Maser Consulting
 Designer : NL
 Job Number : 21777768A
 Model Name : Mount Fix

July 20, 2022
 10:47 AM
 Checked By: DX

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

Member	Shape	Code Check	Loc...	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn
25	M64	PL3/8x6	.150	.167	3	.314	0	y	21	71601.7...	72900	.57	9.113	1...H1-1b
26	M66	PL1/2x6	.045	.112	9	.052	.112	y	1	96757.5...	97200	1.012	12.15	1...H1-1b
27	M68	PL3/8x6	.195	0	6	.211	0	y	16	70677.9...	72900	.57	9.113	1...H1-1b
28	M69	PL3/8x6	.156	.167	2	.319	0	y	20	71601.7...	72900	.57	9.113	1...H1-1b
29	M71	PL1/2x6	.041	.112	9	.054	.112	y	5	96757.5...	97200	1.012	12.15	1...H1-1b
30	M76A	HSS4X4X4	.253	0	17	.085	0	y	30	124657...	139518	16.181	16.181	3...H1-1b
31	M77A	HSS4X4X4	.154	2.375	18	.049	2.375	y	29	136263...	139518	16.181	16.181	1...H1-1b
32	M78	HSS4X4X4	.156	0	16	.049	0	y	17	136263...	139518	16.181	16.181	1...H1-1b
33	M79A	PL1/2x6	.091	.516	11	.084	.516	y	49	66009.2...	97200	1.012	12.15	1...H1-1b
34	M82	L2x2x3	.104	0	6	.012	0	y	20	9823.122	23392.8	.558	1.088	1.2 H2-1
35	M83A	L2x2x3	.108	4.162	4	.012	0	y	14	9823.122	23392.8	.558	1.089	1... H2-1
36	M87	PL3/8x6	.162	0	2	.241	0	y	22	70677.9...	72900	.57	9.113	1...H1-1b
37	M88A	PL3/8x6	.150	.167	11	.315	0	y	17	71601.7...	72900	.57	9.113	1...H1-1b
38	M90	PL1/2x6	.045	.112	5	.065	0	y	49	96757.5...	97200	1.012	12.15	1...H1-1b
39	M92A	PL3/8x6	.196	0	2	.212	0	y	13	70677.9...	72900	.57	9.113	1...H1-1b
40	M93	PL3/8x6	.156	.167	10	.320	0	y	16	71601.7...	72900	.57	9.113	1...H1-1b
41	M95	PL1/2x6	.041	.112	5	.054	.112	y	1	96757.5...	97200	1.012	12.15	1...H1-1b
42	M82A	PIPE 3.0	.073	4.948	14	.057	7.682	17	28250.5...	65205	5.749	5.749	2...H1-1b	
43	M91B	PIPE 3.0	.073	4.948	22	.057	7.682	13	28250.5...	65205	5.749	5.749	2...H1-1b	
44	MP4C	PIPE 2.0	.159	3.063	1	.079	.875	3	20866.7...	32130	1.872	1.872	1...H1-1b	
45	MP1C	PIPE 2.0	.169	3.063	5	.078	.875	3	20866.7...	32130	1.872	1.872	1...H1-1b	
46	MP4B	PIPE 2.0	.156	3.063	9	.079	.875	11	20866.7...	32130	1.872	1.872	1...H1-1b	
47	MP1B	PIPE 2.0	.172	3.063	1	.078	.875	11	20866.7...	32130	1.872	1.872	1...H1-1b	
48	OVP	PIPE 2.0	.099	2.5	7	.041	2.5	3	28843.4...	32130	1.872	1.872	1 H1-1b	
49	M102	PIPE 2.5	.107	7.943	6	.072	10.547	8	14558.7...	50715	3.596	3.596	3...H1-1b	
50	M107	PIPE 2.5	.108	7.943	2	.072	10.547	4	14558.7...	50715	3.596	3.596	3...H1-1b	
51	M112	PIPE 2.5	.107	7.943	10	.072	10.547	12	14558.7...	50715	3.596	3.596	3...H1-1b	
52	M123	L3X3X4	.183	1.91	11	.020	.06	y	10	43035.1...	46656	1.688	3.756	2... H2-1
53	M124	L3X3X4	.183	1.91	3	.020	.477	y	2	43035.1...	46656	1.688	3.756	2... H2-1
54	M125	L3X3X4	.184	1.91	7	.020	0	y	6	43035.1...	46656	1.688	3.756	2... H2-1
55	MP3C	PIPE 2.5	.178	5.083	1	.062	2.833	4	30038.4...	50715	3.596	3.596	3...H1-1b	
56	MP2C	PIPE 2.0	.220	5.083	5	.064	5.083	7	14916.0...	32130	1.872	1.872	4...H1-1b	
57	MP3B	PIPE 2.5	.177	5.083	9	.062	2.833	12	30038.4...	50715	3.596	3.596	3...H1-1b	
58	MP2B	PIPE 2.0	.222	5.083	1	.064	5.083	3	14916.0...	32130	1.872	1.872	3...H1-1b	

I. Mount-to-Tower Connection Check

Custom Orientation Required

No

Tower Connection Bolt Checks

Yes

Bolt Orientation

Parallel

Bolt Quantity per Reaction:

4

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

7

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

7

Bolt Type:

A325N

Bolt Diameter (in):

0.625

Required Tensile Strength / bolt (kips):

3.7

Required Shear Strength / bolt (kips):

0.6

Tensile Capacity / bolt (kips):

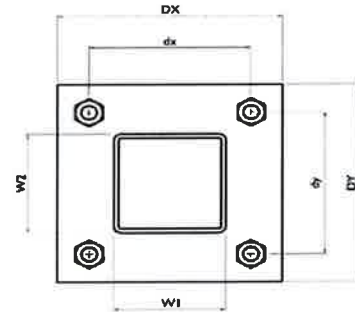
20.7

Shear Capacity / bolt (kips):

12.4

Bolt Overall Utilization:

17.7%



Tower Connection Baseplate Checks

Yes

Connecting Standoff Member Shape:

Rect Tube

Weld Stiffener Configuration:

No Stiffeners

Plate Width, D_x (in):

10

Plate Height, D_y (in):

10

W_1 (in):

4

W_2 (in):

4

Member Thickness (in):

0.25

Stiffener location a_1 (in):

Stiffener location b_1 (in):

Stiffener location a_2 (in):

Stiffener location b_2 (in):

F_y (ksi, plate):

36

Plate Thickness (in):

0.625

Length of Yield Line, L_y (in):

7.75

Bolt Eccentricity, e (in):

2.35

M_u (kip-in):

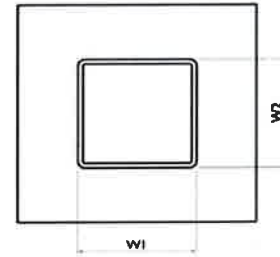
8.63

$\Phi * M_n$ (kip-in):

24.52

Plate Bending Utilization:

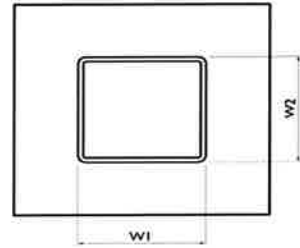
35.2%



Tower Connection Weld Checks

Weld Shape:
 Weld Stiffener Configuration:
 Stiffner Notch Length, n (in):
 Weld Size (1/16 in):
 W1 (in):
 W2 (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
Rectangle
None
6
4
4
16.00
21.33
21.33
85.33
2.25
2.25
1.58
8.35
19.0%





MOUNT MODIFICATION DRAWINGS
PROPOSED 12.50' PLATFORM

TOWER OWNER: SBA
TOWER OWNER SITE NUMBER: CT46133

CARRIER SITE NAME: SHELTON NORTH CT
CARRIER SITE NUMBER: 467929
FUZE ID: 16244170

161 BRIDSEYE ROAD
SHELTON NORTH, CT 06484
FAIRFIELD COUNTY

LATITUDE: 41.325556° N
LONGITUDE: 73.148333° W

MASER CONSULTING
CONNECTICUT
161 BRIDSEYE ROAD
SHELTON NORTH, CT 06484
www.maserconsulting.com

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South Carolina
Georgia
Florida
Alabama
Mississippi
Louisiana
Arkansas
Missouri
Kentucky
Tennessee
West Virginia
Maryland
Delaware
North Carolina
South Carolina
Georgia
Florida

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



REGISTERED PROFESSIONAL ENGINEER
REGISTERED PROFESSIONAL ENGINEER
REGISTERED PROFESSIONAL ENGINEER
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REGISTERED PROFESSIONAL ENGINEER

SITE NAME:
SHELTON NORTH CT
467929
161 BRIDSEYE ROAD
SHELTON NORTH, CT 06484
FAIRFIELD COUNTY



TITLE SHEET

ST-1

SHEET INDEX

SHEET	DESCRIPTION
ST-1	TITLE SHEET
SP0M-1	BILL OF MATERIALS
SP0M-1	GENERAL NOTES
SP0F-1	CLIPPING FACILITY DETAIL
SP-1	MODIFICATION DETAILS
SP-2	MOUNT PHOTOS
	SPECIFICATION SHEETS

PROJECT INFORMATION

APPLICANT/LESSOR
COMPANY: VERIZON WIRELESS
CLIENT REPRESENTATIVE
COMPANY: VERIZON WIRELESS
ADDRESS: 29 ALEXANDER DRIVE, 2ND FLOOR
CITY, STATE, ZIP: WALLINGFORD, CT 06492
PROJECT MANAGER
COMPANY: MASER CONSULTING CONNECTICUT
PROJECT: 161 BRIDSEYE ROAD
PHONE: 860.397.2042
EMAIL: PETER.ALAMANO@COLLEGEENGINEERING.COM
CONTRACTOR PMI REQUIREMENTS
PMI LOCATION: SHELTON NORTH, CT
PROJECT #: https://www.vzwshare.com
VZW LOCATION CODE (ALC): 467929
ANALYSIS DATE: 7/20/2022
PMI REQUIREMENTS PROVIDED WITHIN MOUNT MODIFICATION REPORT

DESIGN CRITERIA

WIND LOADS
BASIC WIND SPEED (3 SECOND GUST), V = 116 MPH
EXPOSURE CATEGORY: C
TOPOGRAPHIC CATEGORY: 1
MEAN BASE ELEVATION (MBSL) = 594.93'
ICE LOADS
ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS = 1.00 IN
SEISMIC LOADS
SEISMIC DESIGN CATEGORY: B
SHORT TERM HCR GROUND MOTION, S ₁ = .205
LONG TERM HCR GROUND MOTION, S ₁ = .054

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NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE OR COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IN WRITING OF ANY CONTRACTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. MANUFACTURER'S RECOMMENDATIONS.
7. 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.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO OBTAINING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUT DOWN PRIOR TO REPAIRING. PERSONAL PROTECTIVE EQUIPMENT SHOULD BE WORN TO AVOID POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SHOCK, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H, MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. 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 CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR PRIOR TO THE BEGINNING OF THE WORK. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON THE INSTALLATION OF THE MODIFICATIONS. NOTIFY THE ENGINEER IMMEDIATELY UPON THE INSTALLATION OF THE MODIFICATIONS. NOTIFY THE ENGINEER IMMEDIATELY UPON THE INSTALLATION OF THE MODIFICATIONS.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK PERFORMED ON THIS PROJECT WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS, INCLUDING BUT NOT LIMITED TO, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORK CONTAINED HEREIN AND SHALL MEET ANS/ISA 332 (LATEST EDITION), OSHA AND GENERAL INDUSTRY REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSPECTIONS PRIOR TO THE BEGINNING OF ANY WORK. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
7. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS WITH WINDS LESS THAN 15 MPH. ALL WORK SHALL BE COMPLETED PRIOR TO THE COMMENCEMENT OF STRUCTURALLY SOUND ONLY IN THE COMPLETED WORK. THE

12. ALL PROPOSED AND/OR REPAIRED BOLTS SHALL BE OF SUPERDUTY (SDS) SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
13. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REPAIR INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COAT), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL EXISTING DRILL HOLES SHALL BE REUSED UNLESS NOTED OTHERWISE. DIAMETER STANDARD HOLES SHALL BE REUSED UNLESS NOTED OTHERWISE.

WELDING NOTES

1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.1 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELDING 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 COMMENSATING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE CONSTRUCTION. THE WELDING INSPECTOR SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
2. THE CERTIFIED WELD INSPECTOR SHALL INDICATE IN A WRITTEN REPORT THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS. ALL PHOTOGRAPHS AND PHOTOS SHALL BE SUBMITTED DURING THE PM.
3. IN CASES WHERE A WELD IS SPLICED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP 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.
4. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED.
5. ALL HOLES SHALL BE CUT WITH A GRINDER.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.
7. CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSESS 14.6, AND Z41.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

STRUCTURAL STEEL

1. DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE DESIGN AND FABRICATION SPECIFICATIONS SPECIFIED IN THE CONTRACT DOCUMENTS EXCEPT AS NOTED OTHERWISE.
2. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
3. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
4. AISC CODE OF STANDARD PRACTICE
5. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

- CHANNELS, ANGLES, PLATES, ETC. ASTM A36 (GR 36)
- PIPE ASTM A53 (GR 35)
- NUTS ASTM A325
- LOCK WASHERS ASTM A325
- LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED PRIOR TO FABRICATION. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION TO THE ENGINEER WHICH SHALL INCLUDE:
 - a. SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED PRIOR TO FABRICATION.
 - b. PROVIDE MASON CONSULTING CONNECTICUT PROJECT # AND MASON CONSULTING CONNECTICUT PROJECT ENGINEER CONTRACT IN THE BODY OF THE BIDDAL.
 - c. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS WITHOUT THE ENGINEER'S APPROVAL. APPROVAL OF THE ENGINEER OF RECORD.
 - d. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
 - e. ALL NEW STEEL SHALL BE JUST REPAIRED GALVANIZED FOR BULL WELTER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE REPAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
 - f. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COAT).
 - g. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING SHALL BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
 - h. 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.
 - i. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.

PETER ALBANO@COLLIERENGINEERING.COM

CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, DESIGNER'S SUPPORT, BRACING, AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.

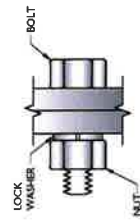
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF STEEL STRUCTURES AND ANTEENNA SUPPORTING STRUCTURES AND ANTEENNA MOUNTING.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOGRAPHIC SOUNDING, AND SURROUNDING GRADE SHALL BE REPAIRED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRUCTURE AND THE STRUCTURE NOT BE CALCULATED SETBACK IN THE STRUCTURE AND THE STRUCTURE SHALL BE DESIGNED, COORDINATED AND INSTALLED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT STAIRS AND SCALES CALCULATION DURING SHOP DRAWING REVIEW.
12. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
13. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE QUALITY OF ALL MATERIALS AND ENGINEER IN WRITING. ALL MATERIALS MUST BE APPROVED BY THE OWNER.
15. THE POINT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

BOLT SCHEDULE (IN.)

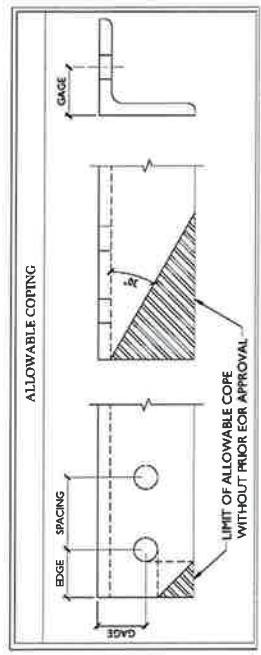
BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 1 1/16	7/8	1 1/2
5/8	1 1/16	1 1/16 x 7/8	1 1/8	1 7/8
3/4	1 3/16	1 3/16 x 1	1 1/4	2 1/4
7/8	1 5/16	1 5/16 x 1 1/8	1 1/2	2 5/8
1	1 11/16	1 11/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

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



- NOTES:**
1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLE ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND ALL DIMENSIONS SHALL BE AT LEAST AS GOOD AS OR BETTER THAN THOSE PROVIDED.
 2. THE DIMENSIONS PROVIDED ARE MINIMUM DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
 3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS.
 4. MATCH EXISTING GAGES WHEN APPLICABLE UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.



MASON CONSULTING CONNECTICUT

1000 WEST MAIN STREET, SUITE 100
MIDDLETOWN, CT 06450
TEL: 860.346.1111 FAX: 860.346.1112

NEW HAVEN
HARTFORD
MIDDLETOWN
NEW BRITAIN
STAMFORD
WATERBURY

verizon

Verizon Wireless
1000 WEST MAIN STREET, SUITE 100
MIDDLETOWN, CT 06450
TEL: 860.346.1111 FAX: 860.346.1112

811

UNIVERSITY OF CONNECTICUT
1000 WEST MAIN STREET, SUITE 100
MIDDLETOWN, CT 06450
TEL: 860.346.1111 FAX: 860.346.1112

STATE OF CONNECTICUT ENGINEER

07/20/2022

REGISTERED PROFESSIONAL ENGINEER
NO. 10000
MASON CONSULTING CONNECTICUT

SITE NAME:

SHELTON NORTH CT
467919

141 BRIDGEFORD ROAD
SHELTON, CT 06484
FAIRFIELD COUNTY

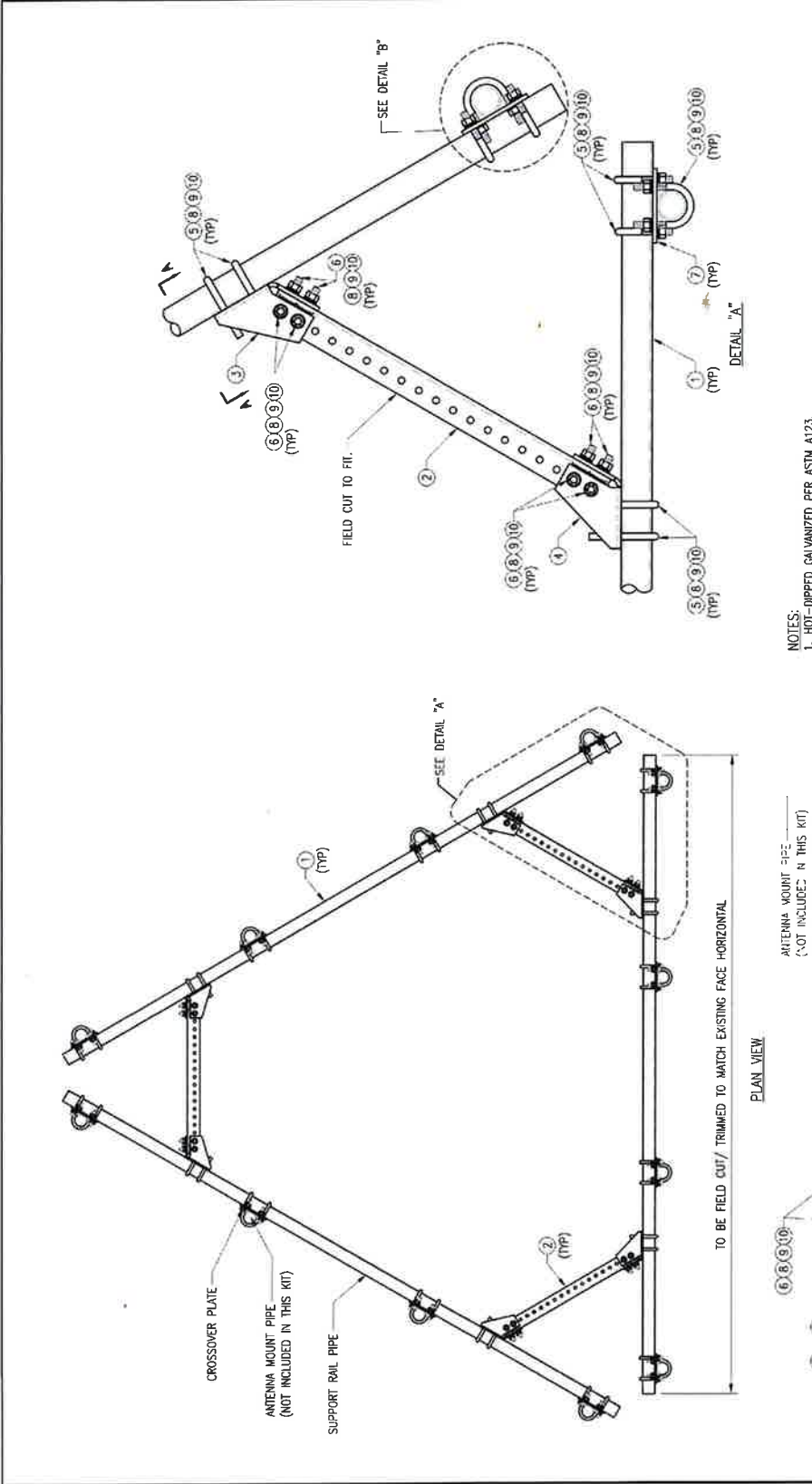
MODIFICATION NOTES

NO. 10000

SGN-I

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION

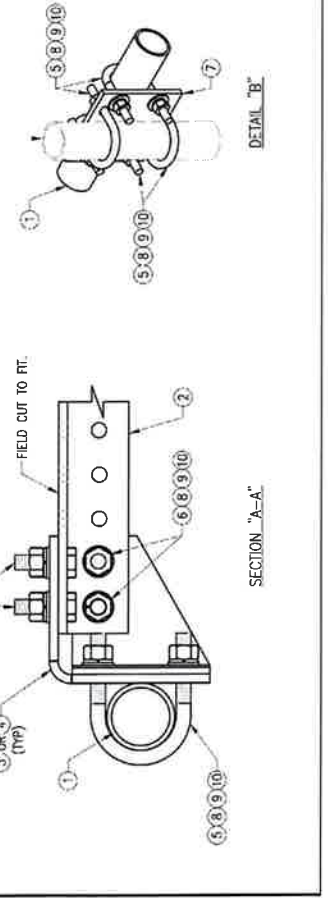
DESIGN BY: HR	CHECKED BY: HMA
DATE: 08/08/20	
DESCRIPTION: VZWSMART-PLK1 SUPPORT RAIL KIT	
REV #	0
SHEET NUMBER	VZWSMART-PLK1



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

VZW SMART-PLK1 (SUPPORT RAIL KIT)

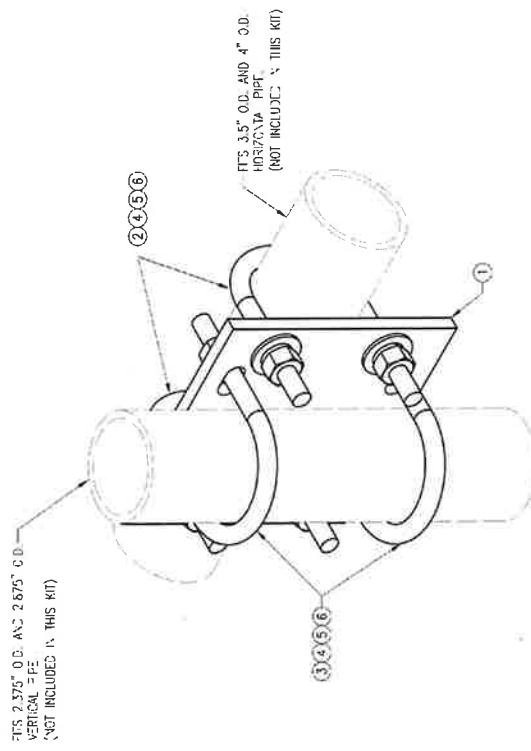
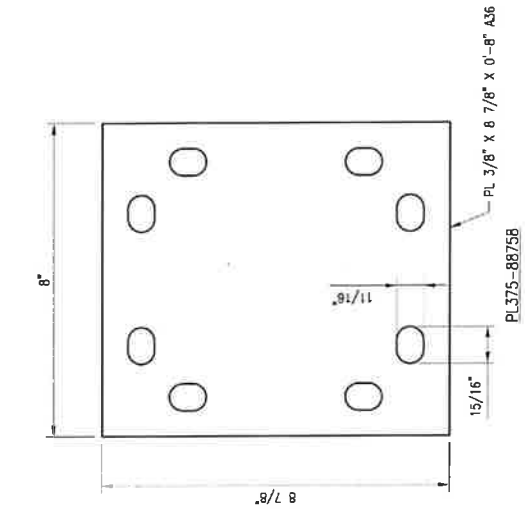
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	2	PS2875-12 E	2.5" PS (2.875" O.D. X 0.203" THK. X 2'-5" AS3 GR-B	PLK1-F1	252
2	2	L33375-2	L 3" X 3" X 3/8" X 3'-0" A36	PLK1-F1	66
3	2	CBP-1	CORNER BEV PLAT BRACKET	F K1-72	28
4	2	CBP-R	CORNER BEV PLAT BRACKET	F K1-72	28
5	60	NSC7-525-300-520	RU BOLT 5/8" X 3" L.W. X 5" LL. A36 (OR EQUIV.)	R3C-1	87
6	24		BOLT 5/8" X 2" A325		9
7	12	HL375-85/	PL 3/8" X 6 1/2" X 7'-0" A36	F K1-72	11
9	1	FA-625	5/8" HDG USS PLAT WASHTR		12
3	44	LW-625	5/8" HDG LOC WASHER		3
10	44	NU-625	5/8" HDG HEX NUT		17
GALVANIZED WT					504





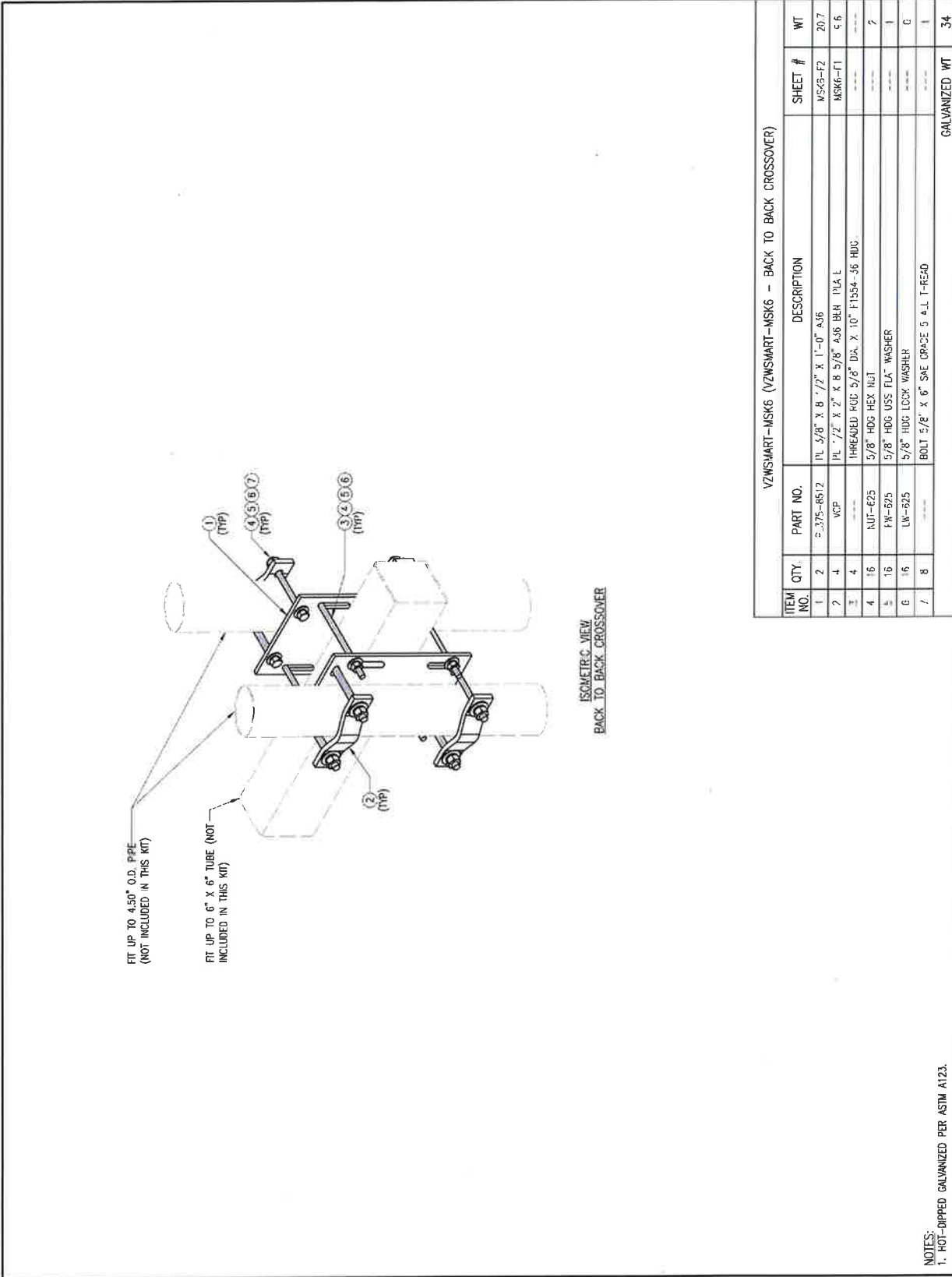
DRAWN BY: HR	CHECKED BY: HMA
REV: 01	DESCRIPTION: MSK2
DATE: 05/08/20	HR: 05/08/20
APP: HR	DATE: 05/08/20
APP: HR	DATE: 05/08/20
APP: HR	DATE: 05/08/20
APP: HR	DATE: 05/08/20

SHEET TITLE:	VZWSMART-MSK2 CROSSOVER PLATE
SHEET NUMBER:	0



ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-88758	PL 3/8" X 8 3/4" X 0"-8" A36	MSK2-F1	8
2	2	MS22 625 4125 600	RU-BOLT 5/8" X 4 1/8" LW X 0" L- A36 (OR EQUIV)	RSC 1	3
3	2	MS02 525 300 500	RU-BOLT 5/8" X 3" LW X 5" LL A36 (OR EQUIV)	RSC 1	3
4	6	FW-625	5/8" HDG USS FLAT WAS-ER		1
5	6	LW-625	5/8" HDG LOCK WASHER		1
6	8	NUT-625	5/8" HDG HEX NUT		1
				GALVANIZED WT 15	

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

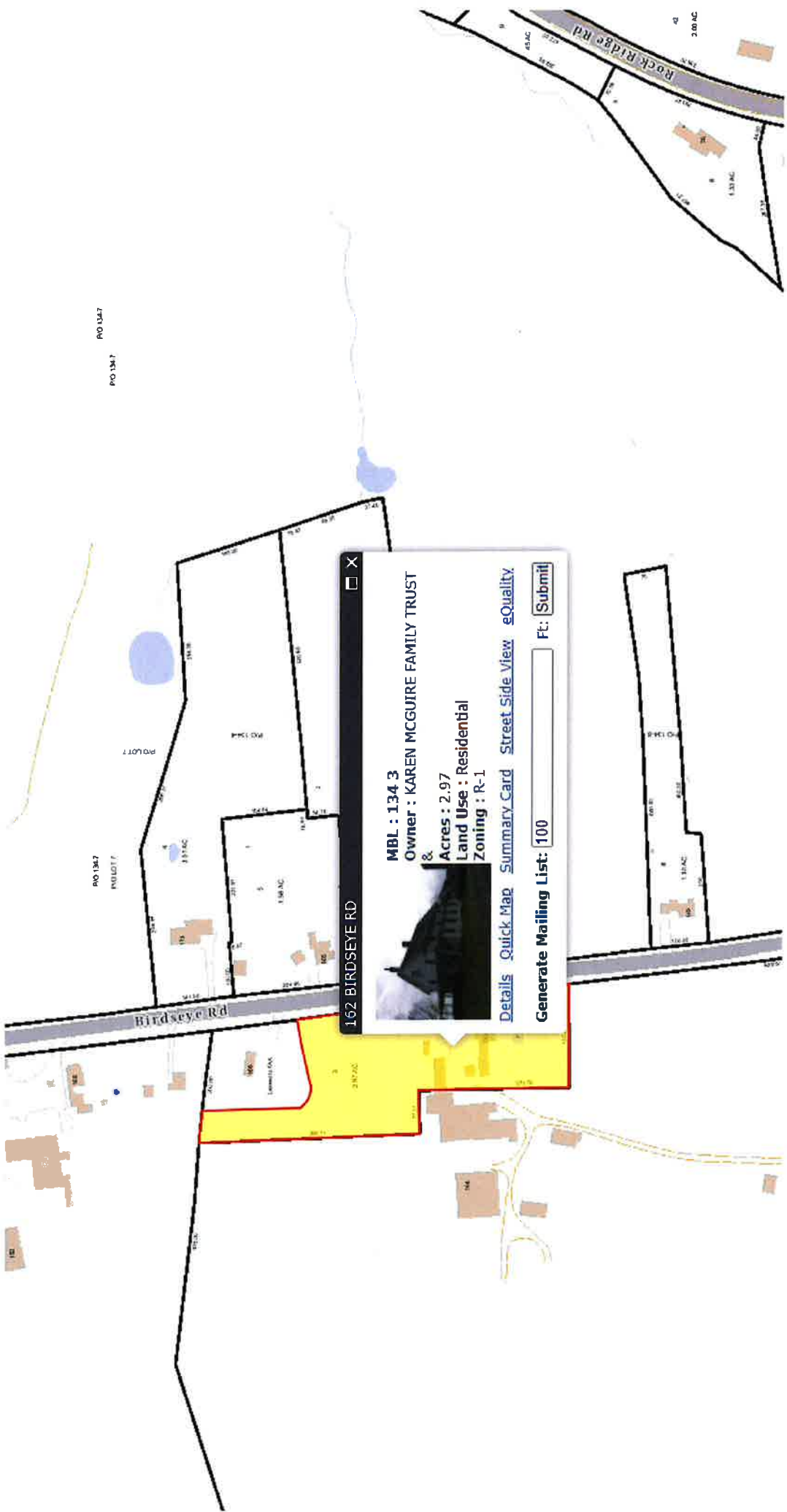


VZWSMART-MSK6 (VZWSMART-MSK6 - BACK TO BACK CROSSOVER)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	2	3-375-8512	1/4" 5/8" X 8" 7/2" X 1'-0" 4-56	MSK6-F2	20.7
2	4	VCP	1/4" 7/2" X 2" X 8 5/8" 4-56 BEH 1/4" L	MSK6-F1	5.6
3	4	---	1/4" 7/2" X 2" X 8 5/8" DIA. X 10" F1554-36 HDG.	---	---
4	16	NUT-E25	5/8" HDG HEX NUT	---	7
5	16	PW-525	5/8" HDG USS FLA WASHER	---	1
6	16	LW-525	5/8" HDG LOCK WASHER	---	1
7	8	---	BOLT 5/8" X 6" SAE GR-5 5 A.L. T-READ	---	1
				GALVANIZED WT	34

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

ATTACHMENT 5



PO 1347
PO 1347

162 BIRDSEYE RD

MBL : 134 3
Owner : KAREN MCGUIRE FAMILY TRUST
 &
Acres : 2.97
Land Use : Residential
Zoning : R-1

[Details](#) [Quick Map](#) [Summary Card](#) [Street Side View](#) [Quality](#)

Generate Mailing List: **Ft:**





Town of Shelton, CT

Property Listing Report

Map Block Lot **134 3 1**

Building # **1** Unique Identifier **134 3 1**

Property Information

Property Location	162 BIRDSEYE RD
Mailing Address	162 BIRDSEYE ROAD SHELTON CT 06484
Land Use	Cell Site
Zoning Code	R-1
Neighborhood	12030

Owner	KAREN MCGUIRE FAMILY TRUST &
Co-Owner	ROBERT W MCGUIRE II FAMILY TRUST
Book / Page	4160/ 182
Land Class	Commercial
Census Tract	
Acreage	0

Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	196000	137200
Outbuildings	0	0
Land	0	0
Total	196000	137200

Utility Information

Electric	NA
Gas	NA
Sewer	NA
Public Water	NA
Well	NA



Primary Construction Details

Year Built	2017
Building Desc.	Commercial
Building Style	
Stories	1
Exterior Walls	
Exterior Walls 2	
Interior Walls	
Interior Walls 2	
Interior Floors 1	
Interior Floors 2	

Heating Fuel	
Heating Type	
AC Type	
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	
Occupancy	0

Building Use	Cell Site
Building Condition	Average
Frame Type	3
Fireplaces	0
Bsmt Gar	0
Fin Bsmt Area	0
Fin Bsmt Quality	
Building Grade	0
Roof Style	
Roof Cover	

Town of Shelton, CT

Property Listing Report

Map Block Lot 134 3 1

Building # 1 Unique Identifier 134 3 1

Detached Outbuildings

Type	Description	Area (sq ft)	Condition	Year Built

Attached Extra Features

Type	Description	Area (sq ft)	Condition	Year Built

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
RUDOLPH HUDAK FAMILY TRUST &	4160_178	12/3/2021	0
KAREN MCGUIRE FAMILY TRUST &	4160_182	12/3/2021	0
MCGUIRE KAREN TRUSTEE	4135_268	9/24/2021	0
HUDAK RUDOLPH EST & KAREN E	4049_95	2/3/2021	0
HUDAK RUDOLPH & KAREN E	2651_0094	2/6/2006	0

ATTACHMENT 6



Shelton N

Certificate of Mailing — Firm

Name and Address of Sender		TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here Postmark with Date of Receipt.			
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103				neopost 12/21/2022 US POSTAGE \$003.09 ZIP 06103 041L12203587			
USPS® Tracking Number Firm-specific Identifier		Postmaster, per (name of receiving employee) 		Postage	Fee	Special Handling	Parcel Airlift
1. Mark A. Lauretti, Mayor City of Shelton 54 Hill Street Shelton, CT 06484							
2. Alexander Rosetti, Planning & Zoning Administrator City of Shelton 54 Hill Street Norwich, CT 06360							
3. Karen McGuire Family Trust 162 Birdseye Road Shelton, CT 06484							
4.							
5.							
6.							

