Robinson+Cole

KENNETH C. BALDWIN

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

Also admitted in Massachusetts and New York

July 28, 2021

Via Electronic Mail

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

Re: Notice of Exempt Modification – Facility Modification Town of Coventry - Town Hall 1712 Main Street, Coventry, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower was approved by the Town of Coventry. Cellco's consultants reached out to Town staff in an effort to obtain any copies of the original tower approval. Town staff was unable to locate those documents. Cellco's shared use of the tower was approved by the Council in June 2004 (EM-VER-032-040614). A copy of Cellco's approval are included in Attachment 1.

Cellco now intends to modify its facility by replacing six (6) existing antennas with three (3) new Samsung MT6407-77A antennas and six (6) NHH-65B-R2B antennas and replacing six (6) remote radio heads ("RRHs") with six (6) new RRHs all on Cellco's existing antenna mounts. A set of project plans showing Cellco's proposed facility modifications and new antennas and RRHs specifications are included in <u>Attachment 2</u>.

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 Coventry's Chief Elected Official and Land Use Officer. Please note, the Town of Coventry is the owner of the Property.

Melanie A. Bachman, Esq. July 28, 2021 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 replacement antennas will be installed on Cellco's existing antenna platform.
- 2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.
- 3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
- 4. The installation of Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative general power density table for Cellco's modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.
- 5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

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

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. July 28, 2021 Page 3

Sincerely,

Kenneth C. Baldwin

Kunig BMM-

Enclosures Copy to:

John Elsesser, Coventry Town Manger Eric Trott, Coventry Director of Land Use Aleksey Tyurin

ATTACHMENT 1



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@po.state.ct.us www.ct.gov/csc

June 25, 2004

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

RE: **EM-VER-032-040614** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 1776 Main Street, Coventry, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on June 23, 2004, 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 June 14, 2004. 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. 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,

Pamela B. Katz, P.E.

Chairman

PBK/laf

c: Honorable James E. Clark, Chairman Town Council, Town of Coventry Eric M. Trott, Director of Planning & Development, Town of Coventry Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP Thomas F. Flynn III, Nextel Communications, Inc.



ATTACHMENT 2

verizon /

WIRELESS COMMUNICATIONS FACILITY

COVENTRY EAST CT 1712 MAIN STREET COVENTRY, CT 06238

DRAWING INDEX

- T-1 TITLE SHEET
- C-1 COMPOUND PLAN, SOUTH TOWER ELEVATION, EQUIPMENT CONFIGURATION PLANS & ELEVATIONS.
- B-1 RF BILL OF MATERIALS, MECHANICAL SPECIFICATIONS & EQUIPMENT DETAILS.
- N-1 NOTES & SPECIFICATIONS

SITE DIRECTIONS

START: 20 ALEXANDER DRIVE WALLINGFORD, CONNECTICUT 06492

END: 1712 MAIN STREET

2. 3. 4. 5.	TURN RIGHT TOWARD ALEXANDER DRIVE	279 FT 289 FT 167 FT 0.3 MI
3. 4. 5.	SLIGHT RIGHT TOWARDS ALEXANDER DRIVE TURN RIGHT TOWARD ALEXANDER DRIVE TURN RIGHT ONTO ALEXANDER DRIVE TURN RIGHT ONTO ALEXANDER DRIVE TURN RIGHT ONTO ALEXANDER DRIVE	289 FT 167 FT 0.3 MI
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5.	TURN RIGHT ONTO ALEXANDER DRIVE	0.3 MI
0	TURIN RIGHT ONTO BARINES INDUSTRIAL ROAD S.	0.1 MI
	TURN RIGHT ONTO CT-68 E	1.6 MI
	CONTINUE STRAIGHT TO STAY CT-68 E	0.2 MI
8.	SHARP LEFT TO MERGE ONTO I-91 N TOWARD HARTFORD	0.3 MI
	MERGE ONTO I-91 N	20.5 N
10.	TAKE EXIT 29 TO MERGE ONTO CT-15 N/US-5N TOWARD I-48 E/	
	E HARTFORD/BOSTON	0.5 MI
	CONTINUE ONTO CT-15 N	0.8 MI
	USE LEFT 2 LANES TO MERGE ONTO I-84 E TOWARD BOSTON	2.4 MI
13.	USE THE RIGHT 2 LANES TO TAKE EXIT 59 FOR I-384 E	
	TOWARD PROVIDENCE	1.3 MI
	CONTINUE ONTO I-384	7.3 MI
		0.2 MI
16.		
		4.0 MI
		3.4 MI
		79 FT
	TURN RIGHT (DESTININATION WILL BE ON THE LEFT)	125 FT
	16. 17. 18.	15. CONTINUE ONTO US-44EUS-6 E 16. KEEP LEFT AT THE FORK TO CONTINUE ON US-44 E, FOLLOW SIGNS FOR COVENTRY/MANSFIELD 17. TURN RIGHT ONTO CT-31 S/MAIN ST. 18. TURN LEFT 19. TURN RIGHT (DESTININATION WILL BE ON THE LEFT)



LOCATION MAP

SITE INFORMATION

VZ SITE NAME: COVENTRY EAST CT VZ STIE NAME: COVENIA E VZ PROJ FUZE I.D.: 162721141 VZ LOCATION CODE: 468160 VZ PROJECT CODE: 20212221160 LOCATION: 1712 MAIN STREET COVENTRY, CT 06238

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

MAP/BLOCK/LOT: 018/----/001A

ZONING DISTRICT: GR-40 (GENERAL RESIDENTIAL ZONE)

LATITUDE: 41° 46' 47.755" N (41.779932° N)

LONGITUDE: 73° 18' 34.498" W (73.309583° W)

GROUND ELEVATION: 727'± AMSL

PROPERTY OWNER: VERIZON WIRELESS C/O DUFF & PHELPS P O BOX 2549 ADDISON, TX 75001

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

LEGAL/REGULATORY COUNSEL: ROBINSON & COLE, LLP

KENNETH C. BALDWIN, ESQ. 280 TRUMBULL STREET HARTFORD, CT 06103

ENGINEER CONTACT: ALL-POINTS TECHNOLOGY CORP., P.C. 567 VAUXHALL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385

VERIZON SMART TOOL PROJECT # 10041326; 10069538

Cellco Partnership d/b/a



CONSTRUCTION DOCUMENTS

NO DATE REVISION

2 07/09/21 REV. FOR FILING: JRN



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

OWNER: VERIZON WIRELESS, P O BOX 2549 ADDRESS: ADDISON, TX 75001

COVENTRY FAST CT

SITE 1712 MAIN STREET ADDRESS: COVENTRY, CT 06238

APT FILING NUMBER: CT141_12070 DRAWN BY: DRA

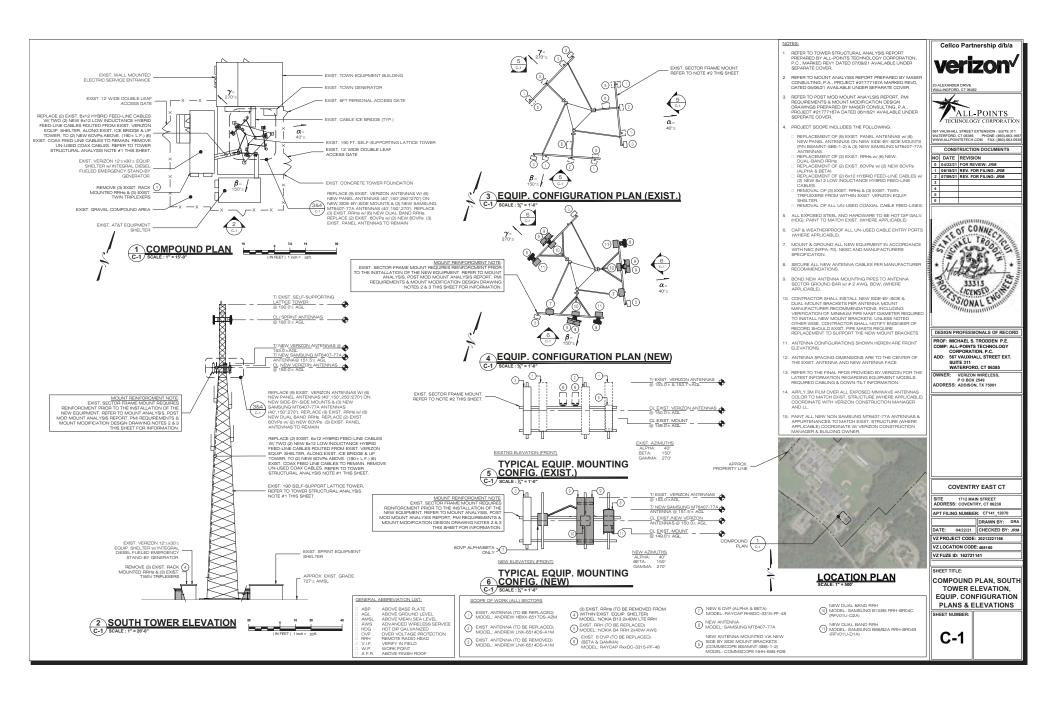
DATE: 04/22/21 CHECKED BY: JRN VZ PROJECT CODE: 20212221166

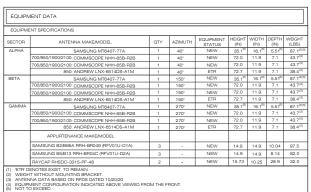
VZ LOCATION CODE: 468160 VZ FUZE ID: 162721141

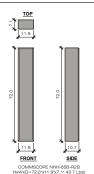
TITLE SHEET

SHEET TITLE:

T-1











SAMSUNG DUAL HIGH BAND B2/B66A RRH-BR049 (RFV01U-D1A) RRH PCS/AWS REMOTE RADIO HEAD (RRH) 14 9'x14 9'x10 04" (97 5 I bs)

SIDE SAMSUNG DUAL LOW BAND 85/813 SAMSUNG SAMSUNG MT6407-77A ANTENNA HxWxD=35.1'x16.1'x5.51' WT-87 1 | Inc.

3 NEW ANTENNA DETAIL

000

BOTTOM

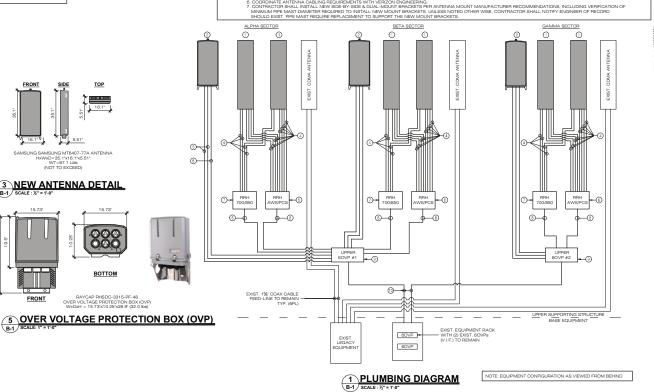
RAYCAP RHSDC-3315-PF-48 OVER VOLTAGE PROTECTION BOX (OVP) WxDxH = 15.73'x10.25'x28.9' (32.0 lbs)

RRH-BR04C (RFV01U-D2A)
RRH-BR04C (RFV01U-D2A)
RRH-BR04C (RFV01U-D2A)
RRH-BR04C (RFV01U-D2A)
REMOTE RADIO HEAD (RRH)
xDxH=14.9'x14.9'x8.14' (82.0 Lbs)

NOTE: WEIGHTS INCLUDE SOLAR SHEILD & MOUNTING BRACKET







verizon

Cellco Partnership d/b/a



CONSTRUCTION DOCUMENTS NO DATE REVISION 2 07/09/21 REV. FOR FILING: JRM



DESIGN PROFESSIONALS OF RECORD PROF: MICHAEL S. TRODDEN P.E.
COMP: ALL-POINTS TECHNOLOGY
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ADD: 567 VAUXHALL STREET EXT.
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COVENTRY FAST CT

SITE 1712 MAIN STREET ADDRESS: COVENTRY, CT 06238

APT FILING NUMBER: CT141_12070 DRAWN BY: DRA

DATE: 04/22/21 CHECKED BY: JRM VZ PROJECT CODE: 20212221166 VZ LOCATION CODE: 468160

VZ FUZE ID: 162721141 SHEET TITLE:

RF BILL OF MATERIALS, MECHANICAL SPECIFICATIONS & **EQUIPMENT DETAILS** SHEET NUMBER

B-1

DESIGN BASIS:

GOVERNING CODES/DESIGN STANDARDS:

2015 INTERNATIONAL BUILDING CODE (BC) AS AMENDED BY THE 2018 CONNECTICUT STATE BUILDING CODE

01 GENERAL: ABBREVIATIONS USED IN THESE SPECIFICATIONS INCLUDE THE

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SIMETAL-GLAD CABLE (MC)

CONCEPLIED INSTALLATIONS ONLY.

INTERNAL COLORADO POR LA COLOR LL EQUIPMENT, ENCLOSURES, ETC. SHALL BE SUTABLE FOR THE STALLED ENVIRONMENT, MINMUM NEMA 3R FOR ALL EXTEROR STALLATIONS.

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PARED, PRINSHED, FILLED, PARITED, ETC. ALL PAREL SCHEDULES,
LUMMENT LABELING, AND COCID-PROCURED LABELING, SHALL BE
PRIED AND MAYBELY COUNTY EXTENDED TO MATCH THE INSTALLATION.

ALATIONS.
GROUNDING ELECTRODES PRESENT AT EACH SERVICE LOCATION
LL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRONICE.

SOND ALL METALLIC CONDUITS TOGETHER THAT ARE CONNECTED TO SON-METALLIC ENCLOSURES, IN-GROUND BOXES, AND TO AN INCLOSURE WHERE A GROUND BUS IS SPEORED OR SUPPLIED. SHALL BE SZED PER THE CREATES OVER-CURRENT PROTECTIVE DENICE COOPE) SZEL. WHITE BEH LANGELOUSED CONDUCTORS ARE INSTRUKED IN SZEZ AROVET THE STANDARD FOR THE GEOLUTE COOPD, INCREME THE GROUD-SCIENCIANAL AREA OF THE UNDEPUBLICAD CONDUCTORS. SERVICE MAIN DOCUMENT JUMPIERS AND SCIENCIANO BECTROOF ALL APPLICATES COOPE AND DESCRIPTIONS.

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FEET OF EQUIPMENT GROUND RINGS AND WITHIN 20 FEET OF
TOWER GROUND RINGS.
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SETALL ALL IN-GROUND RINGS, PACIFILE, BONDS CONNECTING THEM,
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A COMMON PRACTICE IS TO PLACE 4 RADIALS FROM THE TOWER.
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7 ANTENNAS & CABLES: ESE SPECIFICATIONS SHALL INCLIDE THE GENERAL SPECIFICATIONS

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRANSMISSION CABLES, JUMPERS, CONNECTORS, GROUNDING STRAPS, ANTENNAS, CAMES, AMPERIC, COMPACTION, GRICLARDES GTHANA, AMTERNAS, CAMES AND COMPACTION OF COMPA

ALL CABLES AND ANTENNAS TO THE MANUFACTURERS AND OWNERS

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ABLE SHALL BE FURNISHED AND INSTALLED WITHOUT SPUCES AND ITH CONNECTORS AT EACH END.

27 CABLE TRAY:
THERE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS RIEN.

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WITH A CORPOSION RESISTANT FINEN.

BLE TRAY SHALL BE OF LADDER TRAY TYPE WITH FLAT COVER.

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LE LADDER SHALL BE SIZED TO FIT ALL CABLES IN ACCORDANCE
HINDO AND NEMA 11-15-84. LE LACIDER TRAYS SHALL BE NEMA CLASS 12A BY PW INDUSTRIE OR EQUAL. LE LACIDER TRAY SHALL BE SUPPORTED IN ACCORDANCE WITH

ALL WORKMANSHIP SHALL CONFORM TO THESE REQUIREMENTS AND ALL LOCAL CODES AND STANDARDS TO ENSURE SAFE AND ADEQUATE

Cellco Partnership d/b/a verizon



CONSTRUCTION DOCUMENTS

NO DATE REVISION

0 04/22/21 FOR REVIEW: JRM

2 07/09/21 REV. FOR FILING: JRM



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APT FILING NUMBER: CT141_12070

DRAWN BY: DRA DATE: 04/22/21 CHECKED BY: JRM

VZ PROJECT CODE: 20212221166 VZ LOCATION CODE: 468160

VZ FUZE ID: 162721141

SHEET TITLE:

NOTES & SPECIFICATIONS

SHEET NUMBER

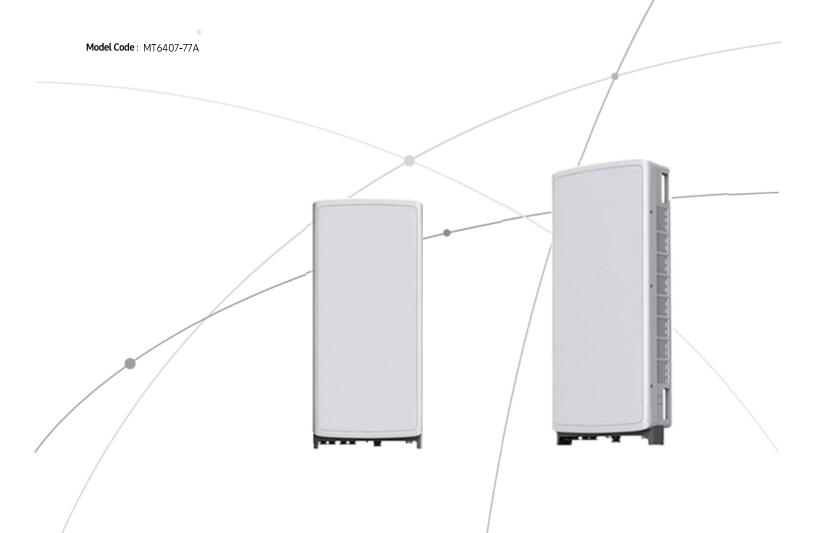
N-1

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..



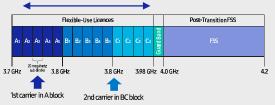
Points of Differentiation

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



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.

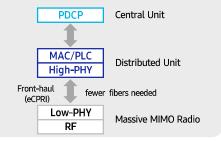
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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



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.



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.

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6-port sector antenna, 2x 698–896 and 4x 1695–2360 MHz, 65° HPBW, 2x RET. Both high bands share the same electrical tilt.

- Interleaved dipole technology providing for attractive, low wind load mechanical package
- Internal SBT on low and high band allow remote RET control from the radio over the RF jumper cable
- Separate RS-485 RET input/output for low and high band
- One RET for low band and one RET for both high bands to ensure same tilt level for 4x Rx or 4x MIMO

General Specifications

Antenna Type Sector

Band Multiband
Color Light gray

Effective Projective Area (EPA), frontal $0.26 \text{ m}^2 \mid 2.799 \text{ ft}^2$ Effective Projective Area (EPA), lateral $0.22 \text{ m}^2 \mid 2.368 \text{ ft}^2$

Grounding TypeRF connector body grounded to reflector and mounting bracket

Performance Note Outdoor usage | Wind loading figures are validated by wind tunnel

measurements described in white paper WP-112534-EN

RF Connector Interface 7-16 DIN Female

RF Connector Location Bottom

RF Connector Quantity, high band 4
RF Connector Quantity, low band 2

RF Connector Quantity, total 6

Remote Electrical Tilt (RET) Information, General

RET Interface 8-pin DIN Female | 8-pin DIN Male

RET Interface, quantity 2 female | 2 male

Dimensions

 Width
 301 mm | 11.85 in

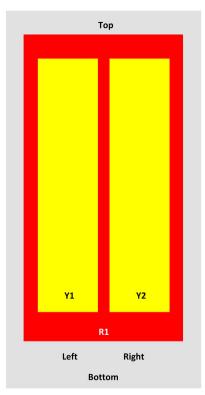
 Length
 1828 mm | 71.969 in

 Depth
 180 mm | 7.087 in

Array Layout

COMMSC PE°

<u>NHH</u>



Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	698-896	1-2	1	ANxxxxxxxxxxxxxxxx
Y1	1695-2360	3-4	2	ANxxxxxxxxxxxxxxxxx2
Y2	1695-2360	5-6	1	

View from the front of the antenna

(Sizes of colored boxes are not true depictions of array sizes)

Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 1695 – 2360 MHz | 698 – 896 MHz

Total Input Power, maximum 900 W @ 50 °C

Remote Electrical Tilt (RET) Information, Electrical

Protocol 3GPP/AISG 2.0 (Single RET)

Power Consumption, idle state, maximum 2 W Power Consumption, normal conditions, maximum 13 W

Input Voltage 10–30 Vdc

Internal Bias Tee Port 1 | Port 3

Internal RET High band (1) | Low band (1)

COMMSCOPE®

Flectrical	Specifications	-
		נ

Frequency Band, MHz	698–806	806–896	1695–1880	1850–1990	1920–2200	2300–2360
Gain, dBi	14.9	15	17.7	17.9	18.4	18.7
Beamwidth, Horizontal, degrees	65	60	71	69	64	57
Beamwidth, Vertical, degrees	12.4	11.2	5.7	5.2	4.9	4.6
Beam Tilt, degrees	0–14	0–14	0–7	0–7	0–7	0–7
USLS (First Lobe), dB	13	14	18	18	19	18
Front-to-Back Ratio at 180°, dB	30	29	31	30	29	31
Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	30	30	30	30	30	30
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153
Input Power per Port at 50° C, maximum, watts	300	300	300	300	300	300

Electrical Specifications, BASTA

Frequency Band, MHz	698–806	806–896	1695–1880	1850–1990	1920–2200	2300–2360
Gain by all Beam Tilts, average, dBi	14.5	14.5	17.3	17.7	18.1	18.5
Gain by all Beam Tilts Tolerance, dB	±0.6	±1.1	±0.4	±0.4	±0.5	±0.3
Gain by Beam Tilt, average, dBi	0 ° 14.4 7 ° 14.6 14 ° 14.3	0 ° 14.7 7 ° 14.7 14 ° 14.1	0 ° 17.2 4 ° 17.3 7 ° 17.3	0 ° 17.6 4 ° 17.7 7 ° 17.7	0 ° 18.0 4 ° 18.2 7 ° 18.1	0 ° 18.3 4 ° 18.5 7 ° 18.6
Beamwidth, Horizontal Tolerance, degrees	±2	±2.1	±3	±4.1	±6.5	±2.9
Beamwidth, Vertical Tolerance, degrees	±0.7	±0.7	±0.3	±0.2	±0.3	±0.2
USLS, beampeak to 20° above beampeak, dB	13	14	16	16	17	15
Front-to-Back Total Power at 180° ± 30°, dB	23	22	27	27	25	25
CPR at Boresight, dB	22	21	23	23	22	19
CPR at Sector, dB	10	7	16	13	11	4

Material Specifications

Radiator Material Low loss circuit board

COMMSCOPE®

Reflector Material Aluminum

Mechanical Specifications

 Wind Loading at Velocity, frontal
 278.0 N @ 150 km/h
 63.6 lbf @ 150 km/h

 Wind Loading at Velocity, lateral
 230.0 N @ 150 km/h
 51.7 lbf @ 150 km/h

 Wind Loading at Velocity, maximum
 120.7 lbf @ 150 km/h
 537.0 N @ 150 km/h

Wind Speed, maximum 241 km/h | 149.75 mph

Packaging and Weights

 Width, packed
 409 mm | 16.102 in

 Depth, packed
 299 mm | 11.772 in

 Length, packed
 1952 mm | 76.85 in

 Net Weight, without mounting kit
 19.8 kg | 43.651 lb

 Weight, gross
 32.3 kg | 71.209 lb

Regulatory Compliance/Certifications

Agency Classification

CHINA-ROHS Below maximum concentration value

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

REACH-SVHC Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS Compliant



Included Products

BSAMNT-3 — Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance



SAMSUNG

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

RFV01U-D1A

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



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

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

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

Features and Benefits

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

Key Technical Specifications

Duplex Type: FDD Operating Frequencies:

B66: DL(2,110-2,180MHz)/UL(1,710-1,780MHz) B2: DL(1,930-1,990MHz)/UL(1,850-1,910MHz)

Instantaneous Bandwidth:

70MHz(B66) + 60MHz(B2) RF Chain: 4T4R/2T4R/2T2R Output Power: Total 320W

DU-RU Interface: CPRI (10Gbps) Dimensions: 380 x 380 x 255mm (36.8L)

Weight: 38.3kg Input Power: -48V DC

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

Cooling: Natural convection

SAMSUNG

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

RFV01U-D2A

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



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

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

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

Features and Benefits

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

Duplex Type: FDD Operating Frequencies:

B13: DL(746-756MHz)/UL(777-787MHz) B5: DL(869-894MHz)/UL(824-849MHz) Instantaneous Bandwidth: 10MHz(B13) + 25MHz(B5)

RF Chain: 4T4R/2T4R/2T2R Output Power: Total 320W DU-RU Interface: CPRI (10Gbps) Dimensions: 380 x 380 x 207mm (29.9L)

Weight: 31.9kg Input Power: -48V DC

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

Cooling: Natural convection

ATTACHMENT 3

	General	Power	Density					
Site Name: Coventry E								
Tower Height: Verizon @ 150ft								
				CALC. POWER		MAX. PERMISS.	FRACTION	
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	DENS	FREQ.	EXP.	MPE	Total
*Sprint	1	377	180	850	0.0045	0.5667	0.08%	
*Sprint	2	942	180	850	0.0224	0.5667	0.39%	
*Sprint	5	512	180	1900	0.0304	1.0000	0.30%	
*Sprint	2	1280	180	1900	0.0304	1.0000	0.30%	
*Sprint	8	778	180	2500	0.0739	1.0000	0.74%	
*Unknown	1	80	190	75.98	0.0008	0.2000	0.04%	
*Unknown	1	1000	190	449.875	0.0106	0.2999	0.35%	
*Unknown	1	200	190	33.8	0.0021	0.2000	0.11%	
*Unknown	1	750	160	450	0.0114	0.3000	0.38%	
*Unknown	1	600	160	450	0.0091	0.3000	0.30%	
*Unknown	1	100	160	450	0.0015	0.3000	0.05%	
*Unknown	1	30	140	145.63	0.0006	0.2000	0.03%	
*Unknown	1	15	140	440.925	0.0003	0.2940	0.01%	
*Unknown	1	8	140	173.20375	0.0002	0.2000	0.01%	
*Unknown	1	30	190	50.4	0.0003	0.2000	0.02%	
*Unknown	1	2	120	420.5	0.0001	0.2803	0.00%	
*Unknown	1	250	190	152.0075	0.0027	0.2000	0.13%	
*Unknown	1	4	188	903	0.0000	0.6020	0.00%	
*Unknown	1	40	95	33.44	0.0018	0.2000	0.09%	
*Unknown	1	80	75	45.4	0.0060	0.2000	0.30%	
*Unknown	1	80	95	45.14	0.0036	0.2000	0.18%	
*Unknown	1	200	75	33.8	0.0151	0.2000	0.76%	
*Unknown	1	100	120	153.955	0.0028	0.2000	0.14%	
*Unknown	1	4	188	903	0.0000	0.6020	0.00%	
*Unknown	1	80	110	45.14	0.0027	0.2000	0.13%	
*Unknown	1	50	115	47.54	0.0015	0.2000	0.08%	
*Pocket (now MetroPCS)	3	631	95	2130	0.0859	1.0000	0.86%	
VZW 700	4	689	150	0.0044	751	0.5007	0.88%	
VZW CDMA	2	467	150	0.0015	877.26	0.5848	0.26%	
VZW Cellular	4	699	150	0.0045	874	0.5857	0.77%	
VZW PCS	4	1496	150	0.0096	1975	1.0000	0.96%	
VZW AWS	4	1671	150	0.0107	2120	1.0000	1.07%	
VZW CBAND	4	6531	150	0.0418	3730.08	1.0000	4.18%	
* 0 0::: 0 ::								13.90%
* Source: Siting Council								

ATTACHMENT 4



CONDITION ASSESSMENT & STRUCTURAL ANALYSIS REPORT FOR A PROPOSED ANTENNA & APPURTENANCE INSTALLATION ON AN EXISTING 190-ft SELF-SUPPORTING TOWER COVENTRY, CONNECTICUT

Prepared for Verizon Wireless

Verizon Wireless Site Ref: 468160 Coventry East CT

Site Address: Coventry Town Hall, 1712 Main Street, Coventry, CT 06238 APT Filing No. CT141 12070

Rev. 0: June 18, 2021 Rev. 1: July 9, 2021



CONDITION ASSESSMENT & STRUCTURAL ANALYSIS REPORT 190' SELF-SUPPORTING TOWER COVENTRY, CONNECTICUT prepared for Verizon Wireless

EXECUTIVE SUMMARY:

All-Points Technology Corporation, P.C. (APT) performed a condition assessment and structural evaluation of an existing 190-ft self-supporting lattice tower structure to support a proposed Verizon Wireless equipment modification.

The proposed Verizon Wireless antenna and appurtenance modification consists of the replacement of nine existing panel antennas with nine new panel antennas, replacement of their three existing remote radio heads (RRHs) with six new RRHs and replacement of two existing 6-OVPs with two new 6-OVPs. Equipment will be installed on three existing 15' sector mounts at 150' which will be receiving modifications. Equipment will be fed by six 1-5/8" feed lines and two new 6x12 low inductance hybrid lines as detailed below.

Our analysis indicates that the subject tower structure meets the requirements of the 2018 Connecticut State Building Code, International Building Code 2015 (IBC 2015) and TIA-222-G standard with the existing and proposed equipment loading.

Evaluation of the existing foundation was limited to a global stability check of the structure and was based on dimensions included within ROHN foundation drawings. APT found the foundation to be adequately sized for the existing and proposed loading.

While on-site, <u>APT noticed the 15' single dipole at 50' is hanging from tower and also noticed a loose ground lug on leg A at 177'.</u> We recommend the dipole be properly connected to the tower and the loose ground lug nut be replaced completely and not simply tightened.

INTRODUCTION:

A condition assessment and structural analysis was performed on the above-mentioned communications tower by APT for Verizon Wireless. The subject tower is located at 1712 Main Street at the Town Hall in Coventry, Connecticut.

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

Field notes & photos from APT's site visit on February 25, 2021.

ROHN tower and foundation drawings, drawing #A926578 dated July 25, 1996.

Structural Analysis by APT, project #CT141370 dated March 4, 2004.

Structural Opinion Letter by APT, project #CT141370 dated June 3, 2004.

Structural Analysis by Centek Engineering, project #11001.CO46 dated September 8, 2011.

Radio Frequency Emissions Analysis by EBI Consulting, project #6218004561 dated June 20, 2018.

Mount Analysis by Maser Consulting, project #17924002A dated July 23, 2018.

RFDS detailing VzW's proposed equipment changes dated October 20, 2020.

Construction Drawings by APT, project #141_12070, Revision 2 dated July 9, 2021.

Antenna Mount Analysis Report by Maser Consulting, project #21777167A dated May 6, 2021.

Post-Mod Antenna Mount Analysis Report and PMI Requirements by Maser Consulting, project #21777167A dated June 16, 2021.

Mount Modification Drawings by Maser Consulting, project #21777167A Rev. 0 dated June 16, 2021.

The structure is a 190-foot, galvanized steel, self-supporting Model SSV tower manufactured by ROHN. It is a three-legged structure with tubular steel legs and angle steel X-bracing.

The analysis was conducted using the following equipment inventory (proposed equipment shown in **bold** text):

Carrier	Antenna and Appurtenance Make/Model	Elevation (AGL)	Status	Mount Type	Coax/Feed- Line
	(2) Obstruction Lights	192'	E	Leg	1/2"
	PD1142-3 Omni Whip	192'	E	Pipe extension	1-1/4"
	(2) ASP705 20' Omni Whip	192'	E	Pipe extension	(2) 7/8"
	Halo	192'	Е	Pipe extension on standoff below	1/2"
	DB420, 1' Square Panel	192'	E	Pipe extension on Leg	1-1/4"
	Ground Plane Omni	190'	E	Leg	7/8"
	(2) 3' Yagi	190'	E	Pipe extension	(2) 1/2"
	4' Omni Whip	190'	Е	4' standoff	3/8"
	Paraflector Grid	187'	Е	4' standoff	7/8"
	PD1142-2A Omni Whip	187'	Е	4' standoff	1/2"
Sprint	(3) TD-RRH8x20-25 RRHs (3) RFS APXVTM14-ALU-I120 & (3) Andrew NNVV-65B-R4 panels, (3) RRH4x45 1900 MHz RRHs, (6) RRH2x50 800 MHz RRHs,	183' 180'	E	(3) 14' sector mounts w/ kicker kit	(6) 1-5/8", 1-1/4"
	DB420	162'	E	4' sidearm	7/8"
	(2) ASP705 20' Omni Whips, 2' Microwave Dish	156'	E	(2) 4' sidearm	(2) 7/8", 7/8" 1/4"
Verizon Wireless	(3) Samsung MT6407-077A antennas, (3) Andrew LNX-6514DS-A1M & (6) Commscope NHH-65B-R2B panels, (3) Samsung RFV01U-D1A RRHs, (2) Raycap RHSDC-3315-PF-48 6-OVP	150'	P	(3) 15' T-Frame sector mounts w/ (3) SFK3 reinforcement kits	(6) 1-5/8", (2) 6x12 LI hybrid
	Paraflector	144'	E	Leg	7/8"
	3' Yagi 20' (DB436) Omni Whip, DB230-2A 4-bay Dipole, 4' Yagi	142'	E	(3) 4' sidearm	1/2", 7/8" 7/8" 1/2"
	Paraflector	140'	E	Leg	3/8"
	Single Dipole	136'	E	Leg	1/2"
	Dipole	113'	E	4' sidearm	1/2"
	14' Omni Whip	109'	Е	4' sidearm	7/8"
	14' Omni Whip	103'	Е	4' sidearm	7/8"
	GPS	102'	E	1' standoff plate	1/2"
	DB212 Single Dipole	94'	Е	Leg	1/2"
	(2) 8" x 3" x 1-1/2" Panels	92'	Е	On bracing	7/8", 1/4"
	16' Omni Whip	84'	E	4' sidearm	7/8"
	16' Omni Whip	74'	E	6' sidearm	7/8"
	PD320 Single Dipole	74'	Е	Leg	1/2"
	Large Single Dipole	70'	E	Leg	1/2"
	3' Omni Whip	60'	Е	2' standoff	1/2"
	DB212 Single Dipole (hanging)	50'	E	Leg	1/2"
	Large Single Dipole	50'	E	Leg	1/2"
	Large Single Dipole	32'	E	Leg	1/2"
	Large Single Dipole	31'	E	Leg	1/2"
	PD400 12' Omni Whip,	17'	E	4' sidearm	(2) 1/2"

Structural Analysis – Antenna & Appurtenance Installation Verizon Wireless Site #468160; Coventry East CT 1712 Main Street Coventry, CT 06328

July 9, 2021 Page 3 APT Project #CT141_12070

Notes:

- 1. E = Existing; P = Proposed.
- 2. Currently installed six LNX-6514DS-A1M & six HBXX-6517DS-A2M panel antennas, three RRH2x60-AWS RRHs, and two 6-

CONDITION ASSESSMENT:

General Observations: The tower, a galvanized steel structure, appeared to be in sound condition. No signs of movement or overstress of the tower were observed. **APT noticed a loose ground lug on leg A at 177'.**

Legs: Leg members appeared to be in sound condition.

Bracing: Bracing and connections were visually observed to the maximum extent practicable. All braces and connections that were observed appeared to be sound, with no loose or missing bolts noted.

Antenna Connections: Antenna mounting hardware was in good condition, with galvanized mounts and hardware prevalent. APT noticed the 15' single dipole at 50' is hanging from tower.

Splice Connections: Observed splice bolts and connections were in good condition. No loose or missing bolts or nuts were observed.

Base Foundations: Visible concrete appeared to be in good condition, with no signs of movement or overstress noted.

STRUCTURAL ANALYSIS:

Methodology:

This structural analysis has been prepared in accordance with the ANSI TIA-222-G standard entitled "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures," the American Institute of Steel Construction (AISC) Manual of Steel Construction, the 2018 Connecticut State Building Code and IBC 2015.

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

- o Load Case 1: 130 mph (3-second gust), 0" ice
- o Load Case 2: 50mph (3-second gust) w/ 1.00" ice thickness
- o Load Case 3: 60mph (3-second gust) (Service Load)
- o Structure Class II
- Exposure Category B
- Topographic Category 1.

Note

Based upon IBC 2015/2018 Connecticut State Building Code maximum ultimate wind speed for site location of 130 mph (3-sec gust), equivalent to a nominal design speed of 101 mph (3-sec gust) per exception #5, Section 1609.1.1.

ANALYSIS RESULTS:

The analysis was conducted in accordance with the criteria outlined above with the aforementioned existing and proposed equipment loading. The following table summarizes the results of the analysis:

Elevation	Legs 1	Bracing ²
180'-190'	20%	17%
160'-180'	73%	40%
140'-160'	98%	46%
120'-140'	104% ³	57%
100'-120'	103% ³	71%
80'-100'	97%	67%
60'-80'	100%	80%
40'-60'	67%	60%
20'-40'	93%	63%
0'-20'	94%	83%

Notes:

- 1. Based on ASTM A572 Gr. 50 pipes. Pipe diameter and thickness vary.
- 2. Based on ASTM A572 Gr. 50 and ASTM A36 angles. Angle dimensions and thickness vary.
- 3. Values up to 105% are acceptable according to industry standards.

Splice and Anchor Bolts:

Splice and anchor bolts were evaluated under the proposed loading. All bolts were found to be adequately sized for the proposed loads.

Base Foundation:

Evaluation of the existing base foundation was limited to a global stability check of the structure with the existing and proposed loading. Based on the ROHN foundation drawings provided to APT the existing foundation consists of a 32-ft square x 4.5-ft thick reinforced concrete pad. Subgrade conditions were based on the presumptive soil parameters per TIA-222-G Section 9.3 and Table F-1 (Annex F) & IBC 2015.

The calculated base reactions utilized in the analysis of the foundation system with the existing and proposed loading are as follows:

Load Effect	Calculated Reactions	Usage
Compression	370.5 k	Pass
Uplift	-330.3 k	Pass
Shear	34.8 k	Pass
Overturning Moment	5827 kip-ft	(FS = 1.71 >1.0) Pass

*1 kip = 1,000 lbs

CONCLUSIONS AND RECOMMENDATIONS:

In conclusion, we find that the existing 190-ft tall self-supporting lattice tower structure and corresponding base foundation, located at 1712 Main Street at the Coventry Town Hall in Coventry, Connecticut meets the requirements of the 2018 Connecticut State Building Code, IBC 2015 and TIA-222 Rev-G with Verizon Wireless's proposed equipment changes.

While on-site, APT noticed the 15' single dipole at 50' is hanging from tower and also noticed a loose ground lug on leg A at 177'. We recommend the dipole be properly connected to the tower and the loose ground lug nut be replaced completely and not simply tightened.

Structural Analysis – Antenna & Appurtenance Installation Verizon Wireless Site #468160; Coventry East CT 1712 Main Street Coventry, CT 06328 July 9, 2021 Page 5 APT Project #CT141_12070

Sincerely,

All-Points Technology Corporation, P.C.

Re de

Robert E. Adair, P.E. Principal

Prepared By:

All-Points Technology Corporation, P.C.

Michael T. Larson, P.E. Project Engineer Structural Analysis – Antenna & Appurtenance Installation Verizon Wireless Site #468160; Coventry East CT 1712 Main Street Coventry, CT 06328 July 9, 2021 Page 6 APT Project #CT141_12070

LIMITATIONS:

This report is based on the following:

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

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

- 1. Replacing or reinforcing bracing members.
- 2. Reinforcing members in any manner.
- 3. Installing antenna mounts or waveguide cables.
- 4. Adding or relocating antennas.
- 5. Extending tower/structure.

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

Appendix A

Tower Schematic

190.0 ft 2@5 316.8 ⋖ L1 3/4x1 3/4x3/16 180.0 ft ROHN 2.5 STD 737.8 160.0 ft Ä. 4.69 ROHN 3 EH L2x2x1/4 1207.1 6.766.3526.9446.5345.128 4.72 ပ 310.6 243.5 239.2 235.0 265.4 136.0 ft L1 3/4x1 3/4x3/16 ROHN 3.5 EH 132.0 ft 128.0 ft A36 124.0 ft T8 120.0 ft L2x2x1/4 **ROHN 4 EH** 4 @ 5 1740.8 100.0 ft L2 1/2x2 1/2x3/16 1906.4 **ROHN 5 EH** 80.0 ft 10.83 N.A. L2 1/2x2 1/2x1/4 L2 1/2x2 1/2x1/4 9 @ 6.66667 Ξ 60.0 ft 12.92 3604.0 Ą. В 40.0 ft 14.85 ROHN 6 EH 3594.9 L3 1/2x3 1/2x1/4 4 @ 10 20.0 ft ROHN 8 EHS 3408.6 0.0 ft Weight (lb) 20485.5 Sec. Horizontals Face Width (ft) Diagonal Grade Top Girts Leg Grade Diagonals Legs

DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Obstruction light	190	RFV01U-D2A (Verizon Wireless)	150
Obstruction light	190	RFV01U-D2A (Verizon Wireless)	150
PD1142-3	190	RFV01U-D2A (Verizon Wireless)	150
20' x 3" omni whip	190	Raycap RHSDC-3315-PF-48 D-Box	150
20' x 3" omni whip	190	(Verizon Wireless)	150
Halo	190	Raycap RHSDC-3315-PF-48 D-Box	150
DB420	190	(Verizon Wireless)	100
		Pirod 15' T-Frame Sector Mount (1)	150
1' square panel 3' Yaqi	190	(Verizon Wireless)	
3	190	Pirod 15' T-Frame Sector Mount (1)	150
3' Yagi		(Verizon Wireless)	
Ground plane omni	190	Pirod 15' T-Frame Sector Mount (1)	150
4' x 1" omni whip	190	(Verizon Wireless)	
Pirod 4' Side Mount Standoff (1)	188	SitePro1 SFK Reinf Kit (Verizon Wireless)	150
Pirod 4' Side Mount Standoff (1)	188		450
Pirod 4' Side Mount Standoff (1)	188	SitePro1 SFK Reinf Kit (Verizon Wireless)	150
paraflector grid	187	SitePro1 SFK Reinf Kit (Verizon	150
PD1142-30	187	- Wireless)	100
TD-RRH8x20-25 (Sprint)	183	MT6407-77A (Verizon Wireless)	150
TD-RRH8x20-25 (Sprint)	183	10' single dipole	146 - 136
TD-RRH8x20-25 (Sprint)	183	Paraflector	144
NNVV-65B-R4 (Sprint)	180	Pirod 4' Side Mount Standoff (1)	142
NNVV-65B-R4 (Sprint)	180	3' Yagi	142
NNVV-65B-R4 (Sprint)	180	4' yagi	142
ALU 4x45-1900 MHz RRHs (Sprint)	180	Pirod 4' Side Mount Standoff (1)	142
ALU 4x45-1900 MHz RRHs (Sprint)	180	DB230-2A	142
ALU 4x45-1900 MHz RRHs (Sprint)	180	Pirod 4' Side Mount Standoff (1)	142
(2) ALU 2x50-800 MHz RRHs (Sprint)	180	20' x 3" omni whip	142
(2) ALU 2x50-800 MHz RRHs (Sprint)	180	- Paraflector	140
(2) ALU 2x50-800 MHz RRHs (Sprint)	180	14' x 3" omni whip	123 - 109
APXVTM14-ALU-120 (Sprint)	180		1 11
APXVTM14-ALU-120 (Sprint)	180	10' 2-bay dipole	123 - 113 117 - 103
APXVTM14-ALU-120 (Sprint)	180	14' x 3" omni whip	117 - 103
14' sector mount (Sprint)	180	Pirod 4' Side Mount Standoff (1)	
Kicker kit (Sprint)	180	Pirod 4' Side Mount Standoff (1)	109
14' sector mount (Sprint)	180	Pirod 4' Side Mount Standoff (1)	103
Kicker kit (Sprint)	180	1.5' x 1-1/2" standoff	102
14' sector mount (Sprint)	180	GPS on 3' standoff	102
Kicker kit (Sprint)	180	16' x 3" omni whip	100 - 84
20' x 3" omni whip	176 - 156	DB212-1	94
20' x 3" omni whip	176 - 156	8" x 3" X 1.5" panel	92
DB420	172 - 162	8" x 3" X 1.5" panel	92
4' sidearm	162	16' x 3" omni whip	90 - 74
Pirod 4' Side Mount Standoff (1)	156	Large single dipole	85 - 70
Pirod 4' Side Mount Standoff (1)	156	4' sidearm	84
		- 6' sidearm	74
2' dish with radome	156 150	PD320	74
MT6407-77A (Verizon Wireless)	150	3' x 2" omni whip	63 - 60
MT6407-77A (Verizon Wireless)		2' standoff	60
LNX-6514DS-A1M (Verizon Wireless)	150	Large single dipole (hanging)	50
LNX-6514DS-A1M (Verizon Wireless)	150	DB212-1	50
LNX-6514DS-A1M (Verizon Wireless)	150	Large single dipole	32
(2) NHH-65B-R2B (Verizon Wireless)	150	Large single dipole	31
(2) NHH-65B-R2B (Verizon Wireless)	150	PD400	29 - 17
(2) NHH-65B-R2B (Verizon Wireless)	150	6' Yaqi	17
RFV01U-D1A (Verizon Wireless)	150	Pirod 4' Side Mount Standoff (1)	17
RFV01U-D1A (Verizon Wireless)	150	Clas mean standen (1)	1
RFV01U-D1A (Verizon Wireless)	150		

SYMBOL LIST

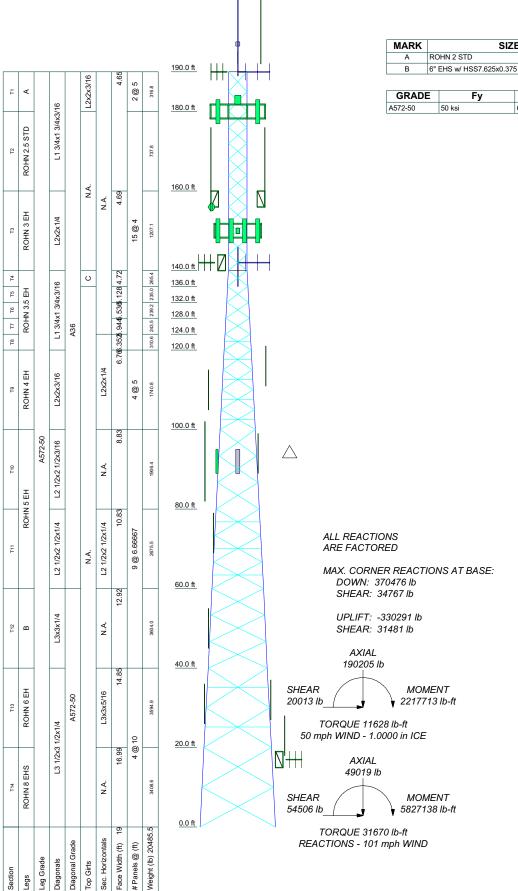
MARK	SIZE	MARK	SIZE
Α	ROHN 2 STD	С	L2x2x3/16
В	6" EHS w/ HSS7.625x0.375		

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

All-Points Technology Corp.					
567 Vauxhall St. Ext. Suite 311					
Waterford, CT 06385					

Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935

lob: 190' Self-Supporting Tower					
Project: CT141_12070 Coventry East					
Client: Verizon Wireless Site: Coventry East	^{Drawn by:} M. Larson	App'd:			
^{Code:} TIA-222-G	Date: 07/09/21	Scale: N	TS		
Path:					



All-Points Technology Corp. lob: 190' Self-Supporting Tower Project: CT141_12070 Coventry East 567 Vauxhall St. Ext. Suite 311 Client: Verizon Wireless Site: Coventry East Drawn by: M. Larson App'd: Waterford, CT 06385 Code: TIA-222-G Date: 07/09/21 Scale: NTS Phone: (860) 663-1697 Dwg No. E-1 FAX: (860) 663-0935

SYMBOL LIST

MATERIAL STRENGTH

A36

MARK

GRADE

L2x2x3/16

36 ksi

SIZE

58 ksi

Fu

SIZE

65 ksi

Appendix B

Photographs

VERIZON WIRELESS 190' SELF-SUPPORTING TOWER COVENTRY, CONNECTICUT VZW SITE: 468160; COVENTRY EAST CT





Overview photos of the 190' self-supporting tower located in Coventry, Connecticut.





Photos of typical existing equipment and mounts.

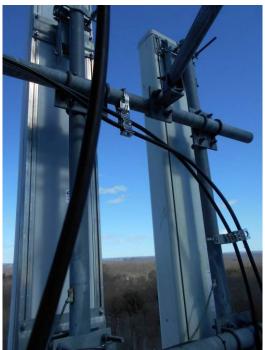
VERIZON WIRELESS 190' SELF-SUPPORTING TOWER COVENTRY, CONNECTICUT

VzW Site: 468160; Coventry East CT



Photos of Verizon Wireless's typical existing equipment and mounts at 150'.





VERIZON WIRELESS 190' SELF-SUPPORTING TOWER COVENTRY, CONNECTICUT

VzW Site: 468160; COVENTRY EAST CT



Additional photos of Verizon Wireless's typical existing equipment and mounts at 150'.





VzW Site: 468160; Coventry East CT



Photos of Sprint's typical existing equipment and mounts at 180'.





VzW Site: 468160; Coventry East CT





Photos of typical existing equipment and mounts.

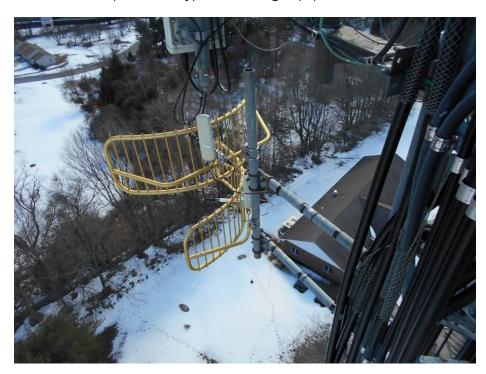




VERIZON WIRELESS 190' SELF-SUPPORTING TOWER COVENTRY, CONNECTICUT VZW SITE: 468160; COVENTRY EAST CT



Additional photos of typical existing equipment and mounts.



VzW Site: 468160; Coventry East CT



Additional photos of typical existing equipment and mounts.



VzW Site: 468160; COVENTRY EAST CT





Additional photos of typical existing equipment and mounts.





VzW Site: 468160; COVENTRY EAST CT



Photos of typical existing base foundations.



VERIZON WIRELESS 190' SELF-SUPPORTING TOWER COVENTRY, CONNECTICUT VZW SITE: 468160; COVENTRY EAST CT



Photo of existing step bolts and safety climbing cable.



Photo of existing waveguide ladder.

Appendix C

Calculations

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tny	Tower

All-Points Technology Corp. 567 Vauxhall St. Ext. Suite 311

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Job		Page
	190' Self-Supporting Tower	1 of 13
Project		Date
	CT141_12070 Coventry East	11:34:01 07/09/21
Client	Verizon Wireless Site: Coventry East	Designed by M. Larson

Tower Input Data

The main tower is a 3x free standing tower with an overall height of 190.00 ft above the ground line.

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

The face width of the tower is 4.65 ft at the top and 19.00 ft at the base.

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

The following design criteria apply:

ASCE 7-10 Wind Data is used (wind speeds converted to nominal values).

Basic wind speed of 101 mph.

Ultimate wind speed of 130e mph.

Structure Class II.

Exposure Category B.

Topographic Category 1.

Crest Height 0.00 ft.

Nominal ice thickness of 1.0000 in.

Ice thickness is considered to increase with height.

Ice density of 56 pcf.

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

Temperature drop of 50 °F.

Deflections calculated using a wind speed of 60 mph.

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

Pressures are calculated at each section.

Stress ratio used in tower member design is 1.

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

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face	Allow	Exclude	Component	Placement	Face	Lateral	#	#	Clear	Width or	Perimeter	Weight
<i>p.</i>	or	Shield	From	Туре	1 tacement	Offset	Offset	"			Diameter	1 0	,, 0.8111
	Leg		Torque	7 F	ft	in	(Frac FW)		Row	in	in	in	plf
	0		Calculation		,		,						1 3
1/2	A	No	No	Ar (CaAa)	190.00 - 8.00	0.0000	-0.06	1	1	0.5800	0.5800		0.25
1 1/4	A	No	No	Ar (CaAa)	190.00 - 8.00	0.0000	-0.05	1	1	0.7500	1.5500		0.66
7/8	В	No	No	Ar (CaAa)	190.00 - 8.00	0.0000	0.025	2	2	1.1100	1.1100		0.54
1/2	A	No	No	Ar (CaAa)	190.00 - 8.00	0.0000	-0.04	1	1	0.5800	0.5800		0.25
1 1/4	C	No	No	Ar (CaAa)	190.00 - 8.00	0.0000	-0.04	1	1	0.7500	1.5500		0.66
7/8	C	No	No	Ar (CaAa)	190.00 - 8.00	0.0000	0.06	1	1	1.1100	1.1100		0.54
1/2	В	No	No	Ar (CaAa)	190.00 - 8.00	0.0000	0.04	2	2	0.5800	0.5800		0.25
3/8	A	No	No	Ar (CaAa)	190.00 - 8.00	0.0000	-0.07	1	1	0.4400	0.4400		0.08
7/8	В	No	No	Ar (CaAa)	187.00 - 8.00	0.0000	0.05	1	1	1.1100	1.1100		0.54
1/2	A	No	No	Ar (CaAa)	187.00 - 8.00	0.0000	-0.02	1	1	0.5800	0.5800		0.25
1 5/8 (Sprint)	A	No	No	Ar (CaAa)	180.00 - 8.00	0.0000	0	2	2	0.5000	1.9800		1.04
1 5/8 (Sprint)	В	No	No	Ar (CaAa)	180.00 - 8.00	0.0000	0	2	2	0.5000	1.9800		1.04
1 5/8	C	No	No	Ar (CaAa)	180.00 -	0.0000	0	2	2	0.5000	1.9800		1.04

Job		Page
	190' Self-Supporting Tower	2 of 13
Project		Date
	CT141_12070 Coventry East	11:34:01 07/09/21
Client	West and Windows Office Operator Foot	Designed by
	Verizon Wireless Site: Coventry East	M. Larson

Description	or	Allow Shield	Exclude From	Component Type		Face Offset	Lateral Offset	#			Diameter	Perimeter	Weight
	Leg		Torque Calculation		ft	in	(Frac FW)		Row	in	in	in	plf
(Sprint) 1 1/4	С	No	No	Ar (CaAa)	8.00 180.00 -	0.0000	0	1	1	0.7500	1.5500		0.66
(Sprint) 7/8	A	No	No	Ar (CaAa)	8.00 162.00 -	0.0000	-0.1	1	1	1.1100	1.1100		0.54
7/8	A	No	No	Ar (CaAa)	8.00 156.00 -	0.0000	0.03	2	2	1.1100	1.1100		0.54
7/8	В	No	No	Ar (CaAa)	8.00 156.00 -	0.0000	0.05	1	1	1.1100	1.1100		0.54
1/4	В	No	No	Ar (CaAa)	8.00 156.00 -	0.0000	0.07	1	1	0.2500	0.2500		0.05
1 5/8	A	No	No	Ar (CaAa)	8.00 150.00 -	0.0000	0.4	6	6	0.5000	1.9800		1.04
(VzW) 6x12 LI hybrid	A	No	No	Ar (CaAa)	8.00 150.00 - 8.00	2.0000	0.38	2	2	0.7500	1.5500		1.88
(VzW) 7/8	В	No	No	Ar (CaAa)	144.00 - 8.00	0.0000	0.08	1	1	1.1100	1.1100		0.54
7/8	В	No	No	Ar (CaAa)	142.00 - 8.00	0.0000	0.07	1	1	1.1100	1.1100		0.54
1/2	В	No	No	Ar (CaAa)	142.00 - 8.00	0.0000	0.06	1	1	0.5800	0.5800		0.25
1/2	C	No	No	Ar (CaAa)	142.00 - 8.00	0.0000	-0.02	1	1	0.5800	0.5800		0.25
7/8	C	No	No	Ar (CaAa)	142.00 - 8.00	0.0000	0.03	1	1	1.1100	1.1100		0.54
3/8	В	No	No	Ar (CaAa)	140.00 - 8.00	0.0000	0.1	1	1	0.4400	0.4400		0.08
1/2	C	No	No	Ar (CaAa)	136.00 - 8.00	0.0000	0.03	1	1	0.5800	0.5800		0.25
1/2	С	No	No	Ar (CaAa)	113.00 - 8.00	0.0000	0.02	1	1	0.5800	0.5800		0.25
7/8	В	No	No	Ar (CaAa)	109.00 - 8.00	0.0000	-0.06	1	1	1.1100	1.1100		0.54
7/8	С	No	No	Ar (CaAa)	103.00 - 8.00	0.0000	-0.05	1	1	1.1100	1.1100		0.54
1/2	В	No	No	Ar (CaAa)	102.00 - 8.00	0.0000	-0.02	1	1	0.5800	0.5800		0.25
1/2	Α	No	No	Ar (CaAa)	94.00 - 8.00		0.05	1	1	0.5800	0.5800		0.25
7/8	В	No	No	Ar (CaAa)	92.00 - 8.00		0.08	1	1	1.1100	1.1100		0.54
1/4	В	No	No	Ar (CaAa)	92.00 - 8.00		0.09	1	1	0.2500	0.2500		0.05
7/8	C	No	No	Ar (CaAa)	84.00 - 8.00		0.05	1	1	1.1100	1.1100		0.54
7/8	C	No	No		74.00 - 8.00		-0.07	1	1	1.1100	1.1100		0.54
1/2	C	No	No	Ar (CaAa)	74.00 - 8.00		-0.08	1	1	0.5800	0.5800		0.25
1/2	Α	No	No	Ar (CaAa)	70.00 - 8.00		0.06	1	1	0.5800	0.5800		0.25
1/2	Α	No	No	Ar (CaAa)	60.00 - 8.00	0.0000	0.1	1	1	0.5800	0.5800		0.25
1/2	Α	No	No	Ar (CaAa)	50.00 - 8.00	0.0000	0.07	1	1	0.5800	0.5800		0.25
1/2	Α	No	No	Ar (CaAa)			0.09	1	1	0.5800	0.5800		0.25
1/2	Α	No	No	Ar (CaAa)	32.00 - 8.00	0.0000	0.03	1	1	0.5800	0.5800		0.25
1/2	C	No	No	Ar (CaAa)	31.00 - 8.00	0.0000	-0.06	1	1	0.5800	0.5800		0.25
1/2	Α	No	No	Ar (CaAa)	17.00 - 8.00		-0.07	2	2	0.5800	0.5800		0.25
Feedline Ladder (Af)	A	No	No	Af (CaAa)	190.00 - 8.00	0.0000	0	1	1	3.0000	3.0000		8.40
Feedline Ladder (Af)	A	No	No	Af (CaAa)	190.00 - 8.00	0.0000	0.4	1	1	3.0000	3.0000		8.40
Feedline Ladder (Af)	В	No	No	Af (CaAa)	190.00 - 8.00	0.0000	0	1	1	3.0000	3.0000		8.40
Feedline Ladder (Af)	C	No	No	Af (CaAa)	190.00 - 8.00	0.0000	0	1	1	3.0000	3.0000		8.40

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Job		Page
	190' Self-Supporting Tower	3 of 13
Project		Date
	CT141_12070 Coventry East	11:34:01 07/09/21
Client		Designed by
	Verizon Wireless Site: Coventry East	M. Larson

Description	Face	Allow	Exclude	Component	Placement	Face	Lateral	#		$C_A A_A$	Weight
	or Leg	Shield	From Torque	Туре	ft	Offset in	Offset (Frac FW)			ft²/ft	plf
	Leg		Calculation		Ji	in	(Frac Fw)			ji /ji	Pij
3/8" safety	A	No	No	CaAa (Out	190.00 - 0.00	3.0000	0.5	1	No	0.04	0.22
cable				Of Face)					Ice	0.14	0.83
									1/2"	0.24	1.98
									Ice		
									1" Ice		

Discrete	Towar	l nade
DISCIPLE	IUWEI	Luaus

Description	Face or	Offset Type	Offsets: Horz Lateral	Azimuth Adjustment	Placement		C_AA_A Front	$C_A A_A$ Side	Weight
	Leg		Vert ft	0	ft		ft²	ft²	lb
			ft ft						
Obstruction light	С	From Leg	0.50	0.0000	190.00	No Ice	0.15	0.15	8.00
-			0.00			1/2" Ice	0.22	0.22	10.47
			2.00			1" Ice	0.29	0.29	13.91
Obstruction light	C	From Leg	0.50	0.0000	190.00	No Ice	0.15	0.15	8.00
			0.00			1/2" Ice	0.22	0.22	10.47
			2.00			1" Ice	0.29	0.29	13.91
PD1142-3	A	From Leg	0.50	0.0000	190.00	No Ice	1.29	1.29	10.00
			0.00			1/2" Ice	2.17	2.17	20.67
			2.00			1" Ice	3.07	3.07	36.89
20' x 3" omni whip	A	From Leg	0.50	0.0000	190.00	No Ice	6.00	6.00	50.00
			0.00			1/2" Ice	8.03	8.03	93.17
			12.00			1" Ice	10.08	10.08	149.01
20' x 3" omni whip	В	From Leg	4.00	0.0000	190.00	No Ice	6.00	6.00	50.00
			0.00			1/2" Ice	8.03	8.03	93.17
			12.00			1" Ice	10.08	10.08	149.01
Halo	A	From Leg	0.50	0.0000	190.00	No Ice	4.00	4.00	45.00
			0.00			1/2" Ice	6.03	6.03	75.77
			2.00			1" Ice	8.07	8.07	119.12
DB420	Α	From Leg	0.50	0.0000	190.00	No Ice	3.33	3.33	34.00
			0.00			1/2" Ice	5.99	5.99	44.20
			7.00			1" Ice	8.66	8.66	54.40
1' square panel	Α	From Leg	0.50	0.0000	190.00	No Ice	1.20	0.32	15.00
			0.00			1/2" Ice	1.34	0.40	22.91
			7.00			1" Ice	1.48	0.49	32.76
3' Yagi	Α	From Leg	0.50	0.0000	190.00	No Ice	2.08	2.08	30.95
			0.00			1/2" Ice	3.79	3.79	52.87
			0.00			1" Ice	5.52	5.52	85.27
3' Yagi	C	From Leg	0.50	0.0000	190.00	No Ice	2.08	2.08	30.95
			0.00			1/2" Ice	3.79	3.79	52.87
			0.00			1" Ice	5.52	5.52	85.27
Ground plane omni	C	From Leg	0.50	0.0000	190.00	No Ice	3.00	3.00	75.00
			0.00			1/2" Ice	4.03	4.03	96.79
			0.00			1" Ice	5.03	5.03	125.14
4' x 1" omni whip	A	From Leg	0.50	0.0000	190.00	No Ice	0.40	0.40	15.00
			0.00			1/2" Ice	0.81	0.81	18.77
			2.00			1" Ice	1.06	1.06	25.23
Pirod 4' Side Mount Standoff	Α	None		0.0000	188.00	No Ice	2.72	2.72	50.00
(1)						1/2" Ice	4.91	4.91	89.00
D' 1410'1 M	Б	N		0.0000	100.00	1" Ice	7.10	7.10	128.00
Pirod 4' Side Mount Standoff	В	None		0.0000	188.00	No Ice	2.72	2.72	50.00
(1)						1/2" Ice	4.91	4.91	89.00
D' 1410'1 M 40' 100	0	N		0.0000	100.00	1" Ice	7.10	7.10	128.00
Pirod 4' Side Mount Standoff	С	None		0.0000	188.00	No Ice	2.72	2.72	50.00

Job		Page
	190' Self-Supporting Tower	4 of 13
Project	07444 40070 0 4 7 4	Date
	CT141_12070 Coventry East	11:34:01 07/09/21
Client	Verizon Wireless Site: Coventry East	Designed by M. Larson

Description	Face or	Offset Type	Offsets: Horz	Azimuth Adjustment	Placement		C_AA_A Front	C_AA_A Side	Weight
	Leg		Lateral						
			Vert ft	0	ft		ft²	ft^2	lb
			ft ft		J		J	,	
(1)			Ji			1/2" Ice	4.91	4.91	89.00
						1" Ice	7.10	7.10	128.00
paraflector grid	В	From Leg	4.00	0.0000	187.00	No Ice	2.43	1.22	50.00
			0.00 0.00			1/2" Ice 1" Ice	3.50 4.50	1.75 2.25	100.00 175.00
PD1142-30	В	From Leg	4.00	0.0000	187.00	No Ice	0.79	0.79	10.00
1511.200	2	110111 200	0.00	0.0000	107.00	1/2" Ice	1.49	1.49	110.00
			0.00			1" Ice	2.84	2.84	210.00
APXVTM14-ALU-120	A	From Face	4.00	0.0000	180.00	No Ice	6.34	3.61	60.00
(Sprint)			0.00			1/2" Ice	6.72	3.97	99.53
APXVTM14-ALU-120	В	From Face	0.00 4.00	0.0000	190.00	1" Ice No Ice	7.10 6.34	4.33	144.12 60.00
(Sprint)	Ь	rioiii race	0.00	0.0000	180.00	1/2" Ice	6.72	3.61 3.97	99.53
(Spriit)			0.00			1" Ice	7.10	4.33	144.12
APXVTM14-ALU-120	C	From Face	4.00	0.0000	180.00	No Ice	6.34	3.61	60.00
(Sprint)			0.00			1/2" Ice	6.72	3.97	99.53
			0.00			1" Ice	7.10	4.33	144.12
NNVV-65B-R4	A	From Face	4.00	0.0000	180.00	No Ice	12.27	5.75	80.00
(Sprint)			0.00			1/2" Ice	12.77	6.21	152.14
NNIVY (5D D4	D	F F	0.00	0.0000	100.00	1" Ice	13.27	6.67	230.92
NNVV-65B-R4 (Sprint)	В	From Face	4.00 0.00	0.0000	180.00	No Ice 1/2" Ice	12.27 12.77	5.75 6.21	80.00 152.14
(Spriit)			0.00			1" Ice	13.27	6.67	230.92
NNVV-65B-R4	C	From Face	4.00	0.0000	180.00	No Ice	12.27	5.75	80.00
(Sprint)			0.00			1/2" Ice	12.77	6.21	152.14
,			0.00			1" Ice	13.27	6.67	230.92
ALU 4x45-1900 MHz RRHs	A	From Face	3.50	0.0000	180.00	No Ice	2.58	2.54	60.00
(Sprint)			0.00			1/2" Ice	2.79	2.75	86.47
ALILA 45 1000 MIL DDII	ъ	F F	0.00	0.0000	100.00	1" Ice	3.01	2.97	116.36
ALU 4x45-1900 MHz RRHs	В	From Face	3.50 0.00	0.0000	180.00	No Ice 1/2" Ice	2.58 2.79	2.54 2.75	60.00 86.47
(Sprint)			0.00			1" Ice	3.01	2.73	116.36
ALU 4x45-1900 MHz RRHs	C	From Face	3.50	0.0000	180.00	No Ice	2.58	2.54	60.00
(Sprint)			0.00			1/2" Ice	2.79	2.75	86.47
			0.00			1" Ice	3.01	2.97	116.36
(2) ALU 2x50-800 MHz	A	From Face	3.50	0.0000	180.00	No Ice	1.70	1.28	53.00
RRHs			0.00			1/2" Ice	1.86	1.43	70.01
(Sprint)	ъ	F F	0.00	0.0000	100.00	1" Ice	2.03	1.58	89.71
(2) ALU 2x50-800 MHz RRHs	В	From Face	3.50 0.00	0.0000	180.00	No Ice 1/2" Ice	1.70 1.86	1.28 1.43	53.00 70.01
(Sprint)			0.00			1" Ice	2.03	1.58	89.71
(2) ALU 2x50-800 MHz	C	From Face	3.50	0.0000	180.00	No Ice	1.70	1.28	53.00
RRHs			0.00			1/2" Ice	1.86	1.43	70.01
(Sprint)			0.00			1" Ice	2.03	1.58	89.71
TD-RRH8x20-25	A	From Face	3.50	0.0000	183.00	No Ice	4.05	1.53	75.00
(Sprint)			0.00			1/2" Ice	4.30	1.71	102.14
TT DD110 40 45	-		0.00		102.00	1" Ice	4.56	1.90	132.80
TD-RRH8x20-25	В	From Face	3.50	0.0000	183.00	No Ice 1/2" Ice	4.05	1.53	75.00
(Sprint)			0.00			1" Ice	4.30 4.56	1.71 1.90	102.14 132.80
TD-RRH8x20-25	C	From Face	3.50	0.0000	183.00	No Ice	4.05	1.53	75.00
(Sprint)	Č		0.00			1/2" Ice	4.30	1.71	102.14
/			0.00			1" Ice	4.56	1.90	132.80
14' sector mount	A	None		0.0000	180.00	No Ice	10.80	5.40	475.00
(Sprint)						1/2" Ice	12.38	6.19	700.00
TZ* 1 1 1 ·		NT		0.0000	100.00	1" Ice	13.88	6.94	950.00
Kicker kit	A	None		0.0000	180.00	No Ice	3.38	3.38	466.00

Job		Page
	190' Self-Supporting Tower	5 of 13
Project		Date
	CT141_12070 Coventry East	11:34:01 07/09/21
Client	Verizon Wireless Site: Coventry East	Designed by M. Larson

Description	Face or	Offset Type	Offsets: Horz Lateral	Azimuth Adjustment	Placement		C_AA_A Front	C_AA_A Side	Weight
	Leg		Lateral Vert ft	0	ft		ft²	ft²	lb
			ft ft		J		J	J	
(Sprint)			ji			1/2" Ice	5.06	5.06	616.00
	_					1" Ice	6.75	6.75	766.00
14' sector mount	В	None		0.0000	180.00	No Ice	10.80	5.40	475.00
(Sprint)						1/2" Ice 1" Ice	12.38	6.19	700.00
Kicker kit	В	None		0.0000	180.00	No Ice	13.88 3.38	6.94 3.38	950.00 466.00
(Sprint)	ь	None		0.0000	180.00	1/2" Ice	5.06	5.06	616.00
(Зріші)						1" Ice	6.75	6.75	766.00
14' sector mount	C	None		0.0000	180.00	No Ice	10.80	5.40	475.00
(Sprint)						1/2" Ice	12.38	6.19	700.00
(-1						1" Ice	13.88	6.94	950.00
Kicker kit	C	None		0.0000	180.00	No Ice	3.38	3.38	466.00
(Sprint)						1/2" Ice	5.06	5.06	616.00
						1" Ice	6.75	6.75	766.00
DB420	A	From Leg	4.00	0.0000	172.00 - 162.00	No Ice	3.33	3.33	34.00
			0.00			1/2" Ice	5.99	5.99	44.20
			0.00			1" Ice	8.66	8.66	54.40
4' sidearm	Α	From Leg	2.00	0.0000	162.00	No Ice	2.43	1.22	50.00
			0.00			1/2" Ice	3.50	1.75	100.00
	-		0.00		15600 15600	1" Ice	4.50	2.25	175.00
20' x 3" omni whip	В	From Leg	4.00	0.0000	176.00 - 156.00	No Ice	6.00	6.00	50.00
			0.00			1/2" Ice	8.03	8.03	93.17
Di 1 41 Ci 1- M Ct 1- ff	D	F F	0.00	0.0000	156.00	1" Ice	10.08	10.08	149.01
Pirod 4' Side Mount Standoff	В	From Face	2.00 0.00	0.0000	156.00	No Ice 1/2" Ice	2.72 4.91	2.72 4.91	50.00 89.00
(1)			0.00			1" Ice	7.10	7.10	128.00
20' x 3" omni whip	С	From Leg	4.00	0.0000	176.00 - 156.00	No Ice	6.00	6.00	50.00
20 x 3 onini winp	C	1 Ioni Leg	0.00	0.0000	170.00 130.00	1/2" Ice	8.03	8.03	93.17
			0.00			1" Ice	10.08	10.08	149.01
Pirod 4' Side Mount Standoff	C	From Leg	2.00	0.0000	156.00	No Ice	2.72	2.72	50.00
(1)			0.00			1/2" Ice	4.91	4.91	89.00
. ,			0.00			1" Ice	7.10	7.10	128.00
MT6407-77A	A	From Face	4.00	0.0000	150.00	No Ice	4.69	1.84	90.00
(Verizon Wireless)			0.00			1/2" Ice	4.98	2.06	119.24
			0.00			1" Ice	5.28	2.29	152.35
MT6407-77A	В	From Face	4.00	0.0000	150.00	No Ice	4.69	1.84	90.00
(Verizon Wireless)			0.00			1/2" Ice	4.98	2.06	119.24
NET (107 77 1		F F	0.00	0.0000	150.00	1" Ice	5.28	2.29	152.35
MT6407-77A	C	From Face	4.00	0.0000	150.00	No Ice	4.69	1.84	90.00
(Verizon Wireless)			0.00			1/2" Ice	4.98	2.06	119.24
LNX-6514DS-A1M	٨	From Face	0.00 4.00	0.0000	150.00	1" Ice No Ice	5.28 9.26	2.29 6.14	152.35 80.00
(Verizon Wireless)	Α	rioiii race	0.00	0.0000	130.00	1/2" Ice	9.20	6.65	135.65
(Verizon Wireless)			0.00			1" Ice	10.28	7.16	197.94
LNX-6514DS-A1M	В	From Face	4.00	0.0000	150.00	No Ice	9.26	6.14	80.00
(Verizon Wireless)	D	r rom r acc	0.00	0.0000	150.00	1/2" Ice	9.77	6.65	135.65
(,			0.00			1" Ice	10.28	7.16	197.94
LNX-6514DS-A1M	C	From Face	4.00	0.0000	150.00	No Ice	9.26	6.14	80.00
(Verizon Wireless)			0.00			1/2" Ice	9.77	6.65	135.65
·			0.00			1" Ice	10.28	7.16	197.94
(2) NHH-65B-R2B	A	From Face	4.00	0.0000	150.00	No Ice	8.08	5.34	50.00
(Verizon Wireless)			0.00			1/2" Ice	8.53	5.79	100.05
			0.00			1" Ice	9.00	6.26	156.20
(2) NHH-65B-R2B	В	From Face	4.00	0.0000	150.00	No Ice	8.08	5.34	50.00
(Verizon Wireless)			0.00			1/2" Ice	8.53	5.79	100.05
	С	From Face	0.00	0.0000	4.50.00	1" Ice	9.00	6.26	156.20
(2) NHH-65B-R2B			4.00	$\alpha \alpha \alpha \alpha \alpha$	150.00	No Ice	8.08	5.34	50.00

Job		Page
	190' Self-Supporting Tower	6 of 13
Project		Date
	CT141_12070 Coventry East	11:34:01 07/09/21
Client	Verizon Wireless Site: Coventry East	Designed by M. Larson

Description	Face or	Offset Type	Offsets: Horz	Azimuth Adjustment	Placement		C_AA_A Front	C_AA_A Side	Weight
	Leg		Lateral Vert						
			ft	0	ft		ft²	ft²	lb
			ft ft		J		,	v	
(Verizon Wireless)			0.00			1/2" Ice	8.53	5.79	100.05
			0.00			1" Ice	9.00	6.26	156.20
RFV01U-D1A	Α	From Face	3.50	0.0000	150.00	No Ice	1.88	1.25	100.00
(Verizon Wireless)			0.00			1/2" Ice	2.05	1.39	118.34
RFV01U-D1A	В	From Face	0.00 3.50	0.0000	150.00	1" Ice No Ice	2.22 1.88	1.54 1.25	139.47 100.00
(Verizon Wireless)	Ь	110III 1 acc	0.00	0.0000	150.00	1/2" Ice	2.05	1.23	118.34
(verized vericless)			0.00			1" Ice	2.22	1.54	139.47
RFV01U-D1A	C	From Face	3.50	0.0000	150.00	No Ice	1.88	1.25	100.00
(Verizon Wireless)			0.00			1/2" Ice	2.05	1.39	118.34
			0.00			1" Ice	2.22	1.54	139.47
RFV01U-D2A	A	From Face	3.50	0.0000	150.00	No Ice	1.88	1.01	85.00
(Verizon Wireless)			0.00			1/2" Ice	2.05	1.14	101.43
DEVOID DAA	D	F F	0.00	0.0000	150.00	1" Ice	2.22	1.28	120.53
RFV01U-D2A (Verizon Wireless)	В	From Face	3.50 0.00	0.0000	150.00	No Ice 1/2" Ice	1.88 2.05	1.01 1.14	85.00 101.43
(Verizon Wheless)			0.00			1" Ice	2.03	1.14	120.53
RFV01U-D2A	C	From Face	3.50	0.0000	150.00	No Ice	1.88	1.01	85.00
(Verizon Wireless)	C	1101111 400	0.00	0.0000	120.00	1/2" Ice	2.05	1.14	101.43
,			0.00			1" Ice	2.22	1.28	120.53
Raycap RHSDC-3315-PF-48	A	None		0.0000	150.00	No Ice	1.34	3.79	40.00
D-Box						1/2" Ice	1.49	4.04	71.37
(Verizon Wireless)						1" Ice	1.65	4.30	106.49
Raycap RHSDC-3315-PF-48	C	None		0.0000	150.00	No Ice	1.34	3.79	40.00
D-Box						1/2" Ice	1.49	4.04	71.37
(Verizon Wireless) Pirod 15' T-Frame Sector	Α	None		0.0000	150.00	1" Ice No Ice	1.65 15.00	4.30 15.00	106.49 500.00
Mount (1)	А	None		0.0000	130.00	1/2" Ice	20.60	20.60	650.00
(Verizon Wireless)						1" Ice	26.20	26.20	800.00
Pirod 15' T-Frame Sector	В	None		0.0000	150.00	No Ice	15.00	15.00	500.00
Mount (1)						1/2" Ice	20.60	20.60	650.00
(Verizon Wireless)						1" Ice	26.20	26.20	800.00
Pirod 15' T-Frame Sector	C	None		0.0000	150.00	No Ice	15.00	15.00	500.00
Mount (1)						1/2" Ice	20.60	20.60	650.00
(Verizon Wireless)				0.0000	1.50.00	1" Ice	26.20	26.20	800.00
SitePro1 SFK Reinf Kit	A	None		0.0000	150.00	No Ice 1/2" Ice	5.39	2.70	132.00
(Verizon Wireless)						1/2 Ice	7.89 10.39	3.95 5.20	250.00 375.00
SitePro1 SFK Reinf Kit	В	None		0.0000	150.00	No Ice	5.39	2.70	132.00
(Verizon Wireless)	Ь	None		0.0000	150.00	1/2" Ice	7.89	3.95	250.00
(, , , , , , , , , , , , , , , , , , ,						1" Ice	10.39	5.20	375.00
SitePro1 SFK Reinf Kit	C	None		0.0000	150.00	No Ice	5.39	2.70	132.00
(Verizon Wireless)						1/2" Ice	7.89	3.95	250.00
						1" Ice	10.39	5.20	375.00
20' x 3" omni whip	C	From Leg	4.00	0.0000	142.00	No Ice	6.00	6.00	50.00
			0.00			1/2" Ice	8.03	8.03	93.17
. 1416:134		Б. т	0.00	0.0000	1.42.00	1" Ice	10.08	10.08	149.01
'irod 4' Side Mount Standoff	A	From Leg	2.00 0.00	0.0000	142.00	No Ice 1/2" Ice	2.72 4.91	2.72 4.91	50.00
(1)			0.00			1/2" Ice	7.10	7.10	89.00 128.00
DB230-2A	A	From Leg	4.00	0.0000	142.00	No Ice	3.00	3.00	114.00
DDESV ZIL	. 1	1 Tom Log	0.00	0.0000	1 12.00	1/2" Ice	5.40	5.40	148.20
			0.00			1" Ice	7.80	7.80	182.40
irod 4' Side Mount Standoff	В	None		0.0000	142.00	No Ice	2.72	2.72	50.00
(1)						1/2" Ice	4.91	4.91	89.00
, ,						1" Ice	7.10	7.10	128.00
3' Yagi	A	From Leg	4.00	0.0000	142.00	No Ice	2.08	2.08	30.95

Job		Page
	190' Self-Supporting Tower	7 of 13
Project		Date
	CT141_12070 Coventry East	11:34:01 07/09/21
Client		Designed by
	Verizon Wireless Site: Coventry East	M. Larson

Description	Face or	Offset Type	Offsets: Horz	Azimuth Adjustment	Placement		C_AA_A Front	C_AA_A Side	Weight
	Leg		Lateral Vert						
			r eri ft	0	ft		ft^2	ft²	lb
			ft ft		J.		<i>J</i> -	<i>J</i> *	
			0.00			1/2" Ice	3.79	3.79	52.87
			0.00			1" Ice	5.52	5.52	85.27
4' yagi	C	From Leg	4.00	0.0000	142.00	No Ice	0.50	0.50	25.00
			0.00			1/2" Ice	0.86	0.86	29.40
Pirod 4' Side Mount Standoff	C	Enom Loo	0.00 2.00	0.0000	142.00	1" Ice No Ice	1.11 2.72	1.11 2.72	36.53
(1)	С	From Leg	0.00	0.0000	142.00	1/2" Ice	4.91	4.91	50.00 89.00
(1)			0.00			1" Ice	7.10	7.10	128.00
Paraflector	В	From Leg	0.50	0.0000	144.00	No Ice	1.20	0.32	15.00
			0.00			1/2" Ice	1.34	0.40	22.91
			0.00			1" Ice	1.48	0.49	32.76
Paraflector	В	From Leg	0.50	0.0000	140.00	No Ice	1.20	0.32	15.00
			0.00			1/2" Ice	1.34	0.40	22.91
			0.00			1" Ice	1.48	0.49	32.76
10' single dipole	Α	From Leg	0.50	0.0000	146.00 - 136.00		1.90	1.90	25.00
			0.00			1/2" Ice	4.08	4.08	43.29
10' 2-bay dipole	A	From Leg	0.00 4.00	0.0000	123.00 - 113.00	1" Ice	6.28 2.50	6.28 2.50	75.05 75.00
10 2-bay dipole	Α	rioin Leg	0.00	0.0000	123.00 - 113.00	1/2" Ice	3.53	3.53	93.64
			0.00			1" Ice	4.58	4.58	118.79
Pirod 4' Side Mount Standoff	Α	None	0.00	0.0000	113.00	No Ice	2.72	2.72	50.00
(1)						1/2" Ice	4.91	4.91	89.00
. ,						1" Ice	7.10	7.10	128.00
14' x 3" omni whip	В	From Leg	4.00	0.0000	123.00 - 109.00	No Ice	4.20	4.20	75.00
			0.00			1/2" Ice	5.63	5.63	105.34
			0.00			1" Ice	7.08	7.08	144.69
Pirod 4' Side Mount Standoff	В	None		0.0000	109.00	No Ice	2.72	2.72	50.00
(1)						1/2" Ice	4.91	4.91	89.00
1.41 v. 211 ammi vyskim	С	Enom Loo	4.00	0.0000	117.00 - 103.00	1" Ice No Ice	7.10	7.10	128.00
14' x 3" omni whip	C	From Leg	4.00 0.00	0.0000	117.00 - 103.00	1/2" Ice	4.20 5.63	4.20 5.63	75.00 105.34
			0.00			1" Ice	7.08	7.08	144.69
Pirod 4' Side Mount Standoff	C	None	0.00	0.0000	103.00	No Ice	2.72	2.72	50.00
(1)	Ü	110110		0.0000	100.00	1/2" Ice	4.91	4.91	89.00
()						1" Ice	7.10	7.10	128.00
GPS on 3' standoff	В	From Leg	0.50	0.0000	102.00	No Ice	3.12	1.06	50.00
			0.00			1/2" Ice	3.34	1.21	71.14
			0.00			1" Ice	3.56	1.36	95.38
1.5' x 1-1/2" standoff	В	None		0.0000	102.00	No Ice	0.17	0.17	6.00
						1/2" Ice	0.27	0.27	7.99
DB212-1	В	From Log	0.50	0.0000	94.00	1" Ice	0.38	0.38	11.21 31.00
DB212-1	Ь	From Leg	0.50 0.00	0.0000	94.00	No Ice 1/2" Ice	4.50 8.10	4.50 8.10	40.30
			0.00			1" Ice	11.70	11.70	49.60
8" x 3" X 1.5" panel	Α	From Leg	0.50	0.0000	92.00	No Ice	1.90	1.90	25.00
t iit ii parti			0.00			1/2" Ice	4.08	4.08	43.29
			0.00			1" Ice	6.28	6.28	75.05
8" x 3" X 1.5" panel	C	From Leg	0.50	0.0000	92.00	No Ice	1.90	1.90	25.00
			0.00			1/2" Ice	4.08	4.08	43.29
		_	0.00			1" Ice	6.28	6.28	75.05
16' x 3" omni whip	C	From Leg	4.00	0.0000	100.00 - 84.00	No Ice	4.80	4.80	75.00
			0.00			1/2" Ice	6.43	6.43	109.62
41 aida	C	Enoug I	0.00	0.0000	94.00	1" Ice	8.08	8.08	154.46
4' sidearm	С	From Leg	2.00 0.00	0.0000	84.00	No Ice 1/2" Ice	2.43 3.50	1.22 1.75	50.00
			U.UU			1/2 ICE	3.30	1./3	100.00
			0.00			1" Ice	4.50	2.25	175.00

All-Points Technology Corp. 567 Vauxhall St. Ext. Suite 311

Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935

Job		Page
	190' Self-Supporting Tower	8 of 13
Project	CT141_12070 Coventry East	Date 11:34:01 07/09/21
Client	Verizon Wireless Site: Coventry East	Designed by M. Larson

Description	Face or	Offset Type	Offsets: Horz	Azimuth Adjustment	Placement		C_AA_A Front	C_AA_A Side	Weight
	Leg		Lateral						
			Vert ft	0	ft		ft²	ft²	lb
			ft		Ji		Ji	Ji	w
			ft						
			0.00			1/2" Ice	6.43	6.43	109.62
			0.00			1" Ice	8.08	8.08	154.46
6' sidearm	A	From Leg	3.00	0.0000	74.00	No Ice	4.17	2.09	75.00
		_	0.00			1/2" Ice	6.17	3.09	125.00
			0.00			1" Ice	8.17	4.09	200.00
PD320	C	From Leg	0.50	0.0000	74.00	No Ice	2.03	2.03	15.00
			0.00			1/2" Ice	4.58	4.58	34.00
			0.00			1" Ice	7.13	7.13	53.00
Large single dipole	В	From Leg	0.50	0.0000	85.00 - 70.00	No Ice	2.03	2.03	15.00
			0.00			1/2" Ice	4.58	4.58	34.00
			0.00			1" Ice	7.13	7.13	53.00
3' x 2" omni whip	C	From Leg	2.00	0.0000	63.00 - 60.00	No Ice	0.52	0.52	15.00
			0.00			1/2" Ice	0.71	0.71	19.81
			0.00			1" Ice	0.90	0.90	26.81
2' standoff	C	From Leg	1.00	0.0000	60.00	No Ice	0.60	0.07	30.00
			0.00			1/2" Ice	0.75	0.11	35.96
			0.00			1" Ice	0.91	0.16	44.06
DB212-1	В	From Leg	0.50	0.0000	50.00	No Ice	4.50	4.50	31.00
			0.00			1/2" Ice	8.10	8.10	40.30
			0.00			1" Ice	11.70	11.70	49.60
Large single dipole	C	From Leg	0.50	0.0000	50.00	No Ice	1.90	1.90	25.00
(hanging)			0.00			1/2" Ice	4.08	4.08	43.29
			0.00			1" Ice	6.28	6.28	75.05
Large single dipole	В	From Leg	0.50	0.0000	32.00	No Ice	1.90	1.90	25.00
			0.00			1/2" Ice	4.08	4.08	43.29
			0.00			1" Ice	6.28	6.28	75.05
Large single dipole	C	From Leg	0.50	0.0000	31.00	No Ice	1.90	1.90	25.00
			0.00			1/2" Ice	4.08	4.08	43.29
			0.00			1" Ice	6.28	6.28	75.05
Pirod 4' Side Mount Standoff	В	From Leg	2.00	0.0000	17.00	No Ice	2.72	2.72	50.00
(1)			0.00			1/2" Ice	4.91	4.91	89.00
			0.00			1" Ice	7.10	7.10	128.00
PD400	В	From Leg	4.00	0.0000	29.00 - 17.00	No Ice	1.58	1.58	17.00
			0.00			1/2" Ice	3.56	3.56	38.00
			0.00			1" Ice	5.54	5.54	59.00
6' Yagi	В	From Leg	4.00	0.0000	17.00	No Ice	0.00	0.00	0.00
			0.00			1/2" Ice	0.00	0.00	0.00
			0.00			1" Ice	0.00	0.00	0.00

					Dis	shes					
Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustment	3 dB Beam Width	Elevation	Outside Diameter		Aperture Area	Weight
				ft	0	0	ft	ft		ft²	lb
2' dish with radome	С	Paraboloid w/Radome	From Leg	4.00 0.00 0.00	0.0000		156.00	2.00	No Ice 1/2" Ice 1" Ice	3.14 3.41 3.68	50.00 67.50 85.00

All-Points Technology Corp. 567 Vauxhall St. Ext. Suite 311

Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935

Job		Page
	190' Self-Supporting Tower	9 of 13
Project		Date
	CT141_12070 Coventry East	11:34:01 07/09/21
Client	Verizon Wireless Site: Coventry East	Designed by M. Larson

Solution Summary

Maximum Tower Deflections - Service Wind

Section	Elevation	Horz.	Gov.	Tilt	Twist
No.		Deflection	Load		
	ft	in	Comb.	0	0
T1	190 - 180	9.160	63	0.5156	0.0542
T2	180 - 160	8.083	63	0.5092	0.0522
T3	160 - 140	6.006	63	0.4588	0.0469
T4	140 - 136	4.215	63	0.3722	0.0412
T5	136 - 132	3.906	63	0.3511	0.0385
T6	132 - 128	3.617	63	0.3305	0.0360
T7	128 - 124	3.344	63	0.3101	0.0336
T8	124 - 120	3.088	63	0.2901	0.0313
T9	120 - 100	2.848	63	0.2705	0.0290
T10	100 - 80	1.856	63	0.1929	0.0200
T11	80 - 60	1.136	67	0.1403	0.0140
T12	60 - 40	0.635	67	0.0900	0.0092
T13	40 - 20	0.291	67	0.0631	0.0053
T14	20 - 0	0.080	67	0.0287	0.0025

Critical Deflections and Radius of Curvature - Service Wind

Elevation	Appurtenance	Gov.	Deflection	Tilt	Twist	Radius of
	<i>II</i>	Load	-J			Curvature
ft		Comb.	in	0	0	ft
190.00	Obstruction light	63	9.160	0.5156	0.0542	177070
188.00	Pirod 4' Side Mount Standoff (1)	63	8.944	0.5149	0.0538	177070
187.00	paraflector grid	63	8.836	0.5144	0.0537	177070
183.00	TD-RRH8x20-25	63	8.405	0.5121	0.0529	125272
180.00	APXVTM14-ALU-120	63	8.083	0.5092	0.0522	80100
176.00	20' x 3" omni whip	63	7.655	0.5032	0.0512	46168
172.00	DB420	63	7.232	0.4948	0.0500	31164
171.00	20' x 3" omni whip	63	7.127	0.4924	0.0497	28821
167.00	DB420	63	6.711	0.4816	0.0486	22156
166.00	20' x 3" omni whip	63	6.609	0.4786	0.0483	20945
162.00	DB420	63	6.204	0.4657	0.0473	17250
161.00	20' x 3" omni whip	63	6.105	0.4623	0.0471	16587
156.00	2' dish with radome	63	5.619	0.4440	0.0462	14468
150.00	MT6407-77A	63	5.064	0.4196	0.0451	12868
146.00	10' single dipole	63	4.712	0.4016	0.0440	11985
144.00	Paraflector	63	4.542	0.3922	0.0433	11584
142.00	20' x 3" omni whip	63	4.377	0.3824	0.0424	11129
141.00	10' single dipole	63	4.295	0.3773	0.0418	10842
140.00	Paraflector	63	4.215	0.3722	0.0412	10512
136.00	10' single dipole	63	3.906	0.3511	0.0385	9927
123.00	10' 2-bay dipole	63	3.027	0.2852	0.0307	12147
118.00	10' 2-bay dipole	63	2.734	0.2612	0.0279	13265
117.00	14' x 3" omni whip	63	2.678	0.2567	0.0274	13480
116.00	14' x 3" omni whip	63	2.624	0.2522	0.0269	13702
113.00	10' 2-bay dipole	63	2.464	0.2394	0.0254	14415
110.00	14' x 3" omni whip	63	2.312	0.2274	0.0241	15207
109.00	14' x 3" omni whip	63	2.263	0.2236	0.0236	15490
103.00	14' x 3" omni whip	63	1.985	0.2024	0.0212	17426
102.00	GPS on 3' standoff	63	1.941	0.1992	0.0208	17765
100.00	16' x 3" omni whip	63	1.856	0.1929	0.0200	18364
94.67	16' x 3" omni whip	63	1.639	0.1777	0.0182	19242
94.00	DB212-1	63	1.614	0.1760	0.0180	19324

All-Points Technology Corp. 567 Vauxhall St. Ext. Suite 311

Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935

Job		Page
	190' Self-Supporting Tower	10 of 13
Project	CT141_12070 Coventry East	Date 11:34:01 07/09/21
Client	Verizon Wireless Site: Coventry East	Designed by M. Larson

Elevation	Appurtenance	Gov. Load	Deflection	Tilt	Twist	Radius of Curvature
ft		Comb.	in	0	0	ft
92.00	8" x 3" X 1.5" panel	63	1.538	0.1707	0.0174	19573
90.00	16' x 3" omni whip	67	1.465	0.1656	0.0168	19828
89.33	16' x 3" omni whip	67	1.441	0.1639	0.0166	19915
85.00	Large single dipole	67	1.293	0.1531	0.0153	20498
84.67	16' x 3" omni whip	67	1.283	0.1523	0.0152	20544
84.00	16' x 3" omni whip	67	1.261	0.1506	0.0150	20639
80.00	Large single dipole	67	1.136	0.1403	0.0140	21390
79.33	16' x 3" omni whip	67	1.116	0.1386	0.0138	21572
75.00	Large single dipole	67	0.993	0.1269	0.0127	23165
74.00	16' x 3" omni whip	67	0.966	0.1241	0.0124	23599
70.00	Large single dipole	67	0.862	0.1133	0.0115	25510
63.00	3' x 2" omni whip	67	0.699	0.0961	0.0098	29700
61.50	3' x 2" omni whip	67	0.667	0.0930	0.0095	30678
60.00	3' x 2" omni whip	67	0.635	0.0900	0.0092	31561
50.00	DB212-1	67	0.446	0.0754	0.0071	35203
32.00	Large single dipole	67	0.190	0.0502	0.0041	34389
31.00	Large single dipole	67	0.179	0.0484	0.0040	33875
29.00	PD400	67	0.157	0.0448	0.0037	32893
23.00	PD400	67	0.103	0.0339	0.0029	30366
17.00	Pirod 4' Side Mount Standoff (1)	67	0.062	0.0238	0.0022	34366

Maximum Tower Deflections - Design Wind

Section	Elevation	Horz.	Gov.	Tilt	Twist
No.		Deflection	Load		
	ft	in	Comb.	٥	٥
T1	190 - 180	41.350	18	2.3158	0.2523
T2	180 - 160	36.511	18	2.2889	0.2427
T3	160 - 140	27.175	18	2.0643	0.2166
T4	140 - 136	19.111	18	1.6770	0.1898
T5	136 - 132	17.718	18	1.5833	0.1770
T6	132 - 128	16.411	18	1.4912	0.1655
T7	128 - 124	15.178	18	1.4002	0.1543
T8	124 - 120	14.021	18	1.3108	0.1435
T9	120 - 100	12.936	18	1.2231	0.1331
T10	100 - 80	8.437	18	0.8740	0.0918
T11	80 - 60	5.165	18	0.6362	0.0638
T12	60 - 40	2.883	18	0.4084	0.0419
T13	40 - 20	1.318	18	0.2865	0.0245
T14	20 - 0	0.363	18	0.1303	0.0117

Critical Deflections and Radius of Curvature - Design Wind

Elevation	Appurtenance	Gov. Load	Deflection	Tilt	Twist	Radius of Curvature
ft		Comb.	in	0	٥	ft
190.00	Obstruction light	18	41.350	2.3158	0.2523	38247
188.00	Pirod 4' Side Mount Standoff (1)	18	40.380	2.3128	0.2506	38247
187.00	paraflector grid	18	39.895	2.3111	0.2497	38247
183.00	TD-RRH8x20-25	18	37.959	2.3014	0.2459	27254
180.00	APXVTM14-ALU-120	18	36.511	2.2889	0.2427	18517
176.00	20' x 3" omni whip	18	34.590	2.2624	0.2376	10479
172.00	DB420	18	32.686	2.2254	0.2320	7013
171.00	20' x 3" omni whip	18	32.214	2.2147	0.2305	6477
167.00	DB420	18	30.346	2.1663	0.2249	4960
166.00	20' x 3" omni whip	18	29.884	2.1530	0.2236	4686

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Job		Page
	190' Self-Supporting Tower	11 of 13
Project	CT141_12070 Coventry East	Date 11:34:01 07/09/21
Client	Verizon Wireless Site: Coventry East	Designed by M. Larson

Elevation	Appurtenance	Gov. Load	Deflection	Tilt	Twist	Radius of Curvature
ft		Loaa Comb.	in	0	0	Curvature ft
162.00	DB420	18	28.066	2.0954	0.2187	3851
161.00	20' x 3" omni whip	18	27.619	2.0800	0.2176	3701
156.00	2' dish with radome	18	25.434	1.9981	0.2132	3225
150.00	MT6407-77A	18	22.935	1.8886	0.2081	2865
146.00	10' single dipole	18	21.351	1.8085	0.2030	2667
144.00	Paraflector	18	20.586	1.7662	0.1995	2578
142.00	20' x 3" omni whip	18	19.839	1.7224	0.1951	2478
141.00	10' single dipole	18	19.473	1.6999	0.1926	2416
140.00	Paraflector	18	19.111	1.6770	0.1898	2347
136.00	10' single dipole	18	17.718	1.5833	0.1770	2226
123.00	10' 2-bay dipole	18	13.743	1.2886	0.1409	2704
118.00	10' 2-bay dipole	18	12.420	1.1811	0.1281	2954
117.00	14' x 3" omni whip	18	12.167	1.1608	0.1257	3002
117.00	14' x 3" omni whip	18	11.919	1.1408	0.1237	3052
	10' 2-bay dipole	18	11.197	1.0833	0.1233	3210
113.00	J 1	18		1.0293		
110.00	14' x 3" omni whip		10.510 10.287	1.0121	0.1102 0.1082	3383
109.00	14' x 3" omni whip	18	9.026		0.1082	3445
103.00	14' x 3" omni whip	18		0.9167		3867
102.00	GPS on 3' standoff	18	8.827	0.9021	0.0952	3940
100.00	16' x 3" omni whip	18	8.437	0.8740	0.0918	4070
94.67	16' x 3" omni whip	18	7.457	0.8055	0.0833	4260
94.00	DB212-1	18	7.340	0.7974	0.0823	4277
92.00	8" x 3" X 1.5" panel	18	6.996	0.7738	0.0794	4331
90.00	16' x 3" omni whip	18	6.664	0.7507	0.0766	4386
89.33	16' x 3" omni whip	18	6.556	0.7431	0.0757	4404
85.00	Large single dipole	18	5.881	0.6940	0.0700	4529
84.67	16' x 3" omni whip	18	5.832	0.6903	0.0696	4539
84.00	16' x 3" omni whip	18	5.733	0.6827	0.0687	4559
80.00	Large single dipole	18	5.165	0.6362	0.0638	4722
79.33	16' x 3" omni whip	18	5.074	0.6283	0.0630	4762
75.00	Large single dipole	18	4.512	0.5752	0.0579	5113
74.00	16' x 3" omni whip	18	4.388	0.5628	0.0568	5209
70.00	Large single dipole	18	3.917	0.5139	0.0523	5632
63.00	3' x 2" omni whip	18	3.173	0.4362	0.0449	6559
61.50	3' x 2" omni whip	18	3.026	0.4218	0.0434	6775
60.00	3' x 2" omni whip	18	2.883	0.4084	0.0419	6969
50.00	DB212-1	18	2.023	0.3420	0.0326	7760
32.00	Large single dipole	18	0.858	0.2279	0.0190	7567
31.00	Large single dipole	18	0.808	0.2198	0.0183	7455
29.00	PD400	18	0.711	0.2034	0.0171	7240
23.00	PD400	18	0.463	0.1540	0.0135	6686
17.00	Pirod 4' Side Mount Standoff (1)	18	0.279	0.1081	0.0100	7568

Bolt Design Data

Section No.	Elevation	Component Type	Bolt Grade	Bolt Size	Number Of	Maximum Load	Allowable Load	Ratio Load	Allowable Ratio	Criteria
	ft			in	Bolts	per Bolt lb	per Bolt lb	Allowable	•	
T1	190	Leg	A325N	0.6250	4	1181.78	20708.70	0.057	1	Bolt Tension
		Diagonal	A325N	0.6250	1	1781.31	7830.00	0.227	1	Member Bearing
		Top Girt	A325N	0.6250	1	401.40	7830.00	0.051	1	Member Bearing
T2	180	Leg	A325N	0.7500	4	10090.30		0.338	1	Bolt Tension
		Diagonal	A325N	0.6250	1	4520.67		0.577	1	Member Bearing
T3	160	Leg	A325N	0.8750	4	26317.20		0.648	1	Bolt Tension
		Diagonal	A325N	0.6250	1	8182.66	10440.00	0.784	1	Member Bearing

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Job		Page
	190' Self-Supporting Tower	12 of 13
Project	CT141 12070 Coventry East	Date 11:34:01 07/09/21
	C1141_12070 Coverilly East	11.34.01 07/09/21
Client	Verizon Wireless Site: Coventry East	Designed by M. Larson

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size	Number Of Bolts	Maximum Load per Bolt	Allowable Load per Bolt	Ratio Load	Allowable Ratio	Criteria
	Ji			in	Dons	рег Бон lb	per Бон lb	Allowable		
T4	140	Leg	A325N	0.8750	4	29708.10	40589.10	0.732	1	Bolt Tension
		Diagonal	A325N	0.6250	1	4461.73	7830.00	0.570	1	Member Bearing
		Top Girt	A325N	0.6250	1	2274.91	7830.00	0.291	1	Member Bearing
T5	136	Diagonal	A325N	0.6250	1	4230.51	7830.00	0.540	1	Member Bearing
T6	132	Diagonal	A325N	0.6250	1	3955.02	7830.00	0.505	1	Member Bearing
T7	128	Diagonal	A325N	0.6250	1	4096.41	7830.00	0.523	1	Member Bearing
T8	124	Diagonal	A325N	0.6250	1	4593.74	7830.00	0.587	1	Member Bearing
		Secondary Horizontal	A325N	0.6250	1	2834.61	10440.00	0.272	1	Member Bearing
Т9	120	Leg	A325N	1.0000	4	45194.50	53014.40	0.852	1	Bolt Tension
		Diagonal	A325N	0.6250	1	5511.21	7830.00	0.704	1	Member Bearing
		Secondary Horizontal	A325N	0.6250	2	1719.76	12425.20	0.138	1	Bolt Shear
T10	100	Leg	A325N	1.0000	4	53033.50	53014.40	1.000	1	Bolt Tension
		Diagonal	A325N	0.6250	1	6021.26	7830.00	0.769	1	Member Bearing
T11	80	Leg	A325N	1.0000	6	40189.70	53014.40	0.758	1	Bolt Tension
		Diagonal	A325N	0.6250	1	6918.68	10440.00	0.663	1	Member Bearing
		Secondary Horizontal	A325N	0.6250	2	2306.53	12425.20	0.186	1	Bolt Shear
T12	60	Leg	A325N	1.0000	6	45485.20	53014.40	0.858	1	Bolt Tension
		Diagonal	A325N	0.6250	1	7829.42	11700.00	0.669	1	Member Bearing
T13	40	Leg	A325N	1.0000	6	49418.80	53014.40	0.932	1	Bolt Tension
		Diagonal	A325N	0.6250	1	9424.22	12425.20	0.758	1	Bolt Shear
		Secondary Horizontal	A325N	0.6250	2	2868.94	12425.20	0.231	1	Bolt Shear
T14	20	Leg	A325N	1.0000	8	40441.30	53014.40	0.763	1	Bolt Tension
		Diagonal	A325N	0.7500	1	9085.76	14137.50	0.643	1	Member Bearing

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	$ otin P_{allow} \\ lb $	% Capacity	Pass Fail
T1	190 - 180	Leg	ROHN 2 STD	2	-6337.88	31617.20	20.0	Pass
		Diagonal	L1 3/4x1 3/4x3/16	9	-1797.43	10333.60	17.4 22.7 (b)	Pass
		Top Girt	L2x2x3/16	4	-437.52	9738.80	4.5 5.1 (b)	Pass
T2	180 - 160	Leg	ROHN 2.5 STD	21	-46248.70	63560.30	72.8	Pass
		Diagonal	L1 3/4x1 3/4x3/16	25	-4617.07	11446.10	40.3	Pass
							57.7 (b)	
Т3	160 - 140	Leg	ROHN 3 EH	54	-116894.00	119117.00	98.1	Pass
		Diagonal	L2x2x1/4	57	-8689.41	19074.20	45.6 78.4 (b)	Pass
T4	140 - 136	Leg	ROHN 3.5 EH	87	-131172.00	149924.00	87.5	Pass
		Diagonal	L1 3/4x1 3/4x3/16	96	-4850.14	10913.00	44.4 57.0 (b)	Pass
		Top Girt	L2x2x3/16	89	-2274.91	10002.40	22.7	Pass

Job		Page
	190' Self-Supporting Tower	13 of 13
Project		Date
	CT141_12070 Coventry East	11:34:01 07/09/21
Client	Verizon Wireless Site: Coventry East	Designed by M. Larson

Section	Elevation ft	Component Type	Size	Critical Element	P lb	øP _{allow} lb	% Capacity	Pass Fail
No.	Ji	Туре		Liemeni	ιυ	ıv		ran
T5	136 - 132	Leg	ROHN 3.5 EH	99	-140994.00	149924.00	29.1 (b) 94.0	Pass
13	130 - 132	Diagonal	L1 3/4x1 3/4x3/16	105	-4376.93	10385.60	42.1	Pass
		Diagonai	L1 3/4X1 3/4X3/10	103	-43/0.73	10303.00	54.0 (b)	1 433
T6	132 - 128	Leg	ROHN 3.5 EH	108	-148754.00	149924.00	99.2	Pass
10	132 - 120	Diagonal	L1 3/4x1 3/4x3/16	114	-4218.69	9851.90	42.8	Pass
		Diagonai	E1 3/4X1 3/4X3/10	117	4210.09	7051.70	50.5 (b)	1 433
T7	128 - 124	Leg	ROHN 3.5 EH	117	-156568.00	149924.00	104.4	Pass
-,	120 121	Diagonal	L1 3/4x1 3/4x3/16	123	-4311.40	9277.95	46.5	Pass
		Diagonar	21 37 111 37 11137 10	120		,2,,,,,	52.3 (b)	1 400
T8	124 - 120	Leg	ROHN 3.5 EH	126	-163444.00	161229.00	101.4	Pass
		Diagonal	L1 3/4x1 3/4x3/16	129	-4920.43	8568.38	57.4	Pass
		Diagonar	21 37 111 37 11137 10	12)	.,20	0200.20	58.7 (b)	1 400
		Secondary Horizontal	L2x2x1/4	134	-2834.61	14441.50	19.6	Pass
							27.2 (b)	
Т9	120 - 100	Leg	ROHN 4 EH	137	-198316.00	191981.00	103.3	Pass
		Diagonal	L2x2x3/16	150	-5942.59	8389.57	70.8	Pass
		Secondary Horizontal	L2x2x1/4	145	-3439.53	8987.72	38.3	Pass
T10	100 - 80	Leg	ROHN 5 EH	176	-232797.00	239388.00	97.2	Pass
		ě					100.0 (b)	
		Diagonal	L2 1/2x2 1/2x3/16	180	-6357.43	9563.61	66.5	Pass
		S					76.9 (b)	
T11	80 - 60	Leg	ROHN 5 EH	197	-265972.00	265071.00	100.3	Pass
		Diagonal	L2 1/2x2 1/2x1/4	201	-7520.72	9369.88	80.3	Pass
		Secondary Horizontal	L2 1/2x2 1/2x1/4	205	-4613.05	8061.44	57.2	Pass
T12	60 - 40	Leg	6" EHS w/ HSS7.625x0.375	227	-302566.00	449415.00	67.3	Pass
		_					85.8 (b)	
		Diagonal	L3x3x1/4	231	-7989.07	13351.60	59.8	Pass
							66.9 (b)	
T13	40 - 20	Leg	ROHN 6 EH	248	-330804.00	356650.00	92.8	Pass
							93.2 (b)	
		Diagonal	L3 1/2x3 1/2x1/4	252	-8964.59	14151.80	63.3	Pass
							75.8 (b)	
		Secondary Horizontal	L3x3x5/16	256	-5737.88	9894.04	58.0	Pass
T14	20 - 0	Leg	ROHN 8 EHS	269	-362161.00	386395.00	93.7	Pass
		Diagonal	L3 1/2x3 1/2x1/4	273	-10094.90	12139.10	83.2	Pass
							Summary	
						Leg (T7)	104.4	Pass
						Diagonal	83.2	Pass
						(T14)		
						Secondary	58.0	Pass
						Horizontal		
						(T13)		
						Top Girt	29.1	Pass
						(T4)		
						Bolt Checks	100.0	Pass
						RATING =	104.4	Pass

All-Points Technology Corp., P.C.

567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385 (860) 663-1697

Client: Verizon Wireless

Job:Coventry EastJob No.:CT141_12070Calculated By:M. LarsonDate:09-Jul-21

Program assumes:

Mat is square in plan view.

Water table is below bottom of mat.

Unit weight of concrete = 150 pcf Unit weight of soil = 100 pcf

Information to be provided:

Pier is round or square in plan dimension ("R" or "S")	Shape =	R
OTM = Overturning Moment to be resisted	OTM =	5827 ft-kips
P = Download reaction	P =	370.5 kips
H = Height from ground surface to top of mat (if buried)	H =	0.0 ft.
P _M = Projection of pier above mat	$P_{M} =$	0.0 ft.
y = Thickness of mat	y =	4.50 ft.
x = Width of mat	x =	32.00 ft.
d = Diameter of round pier	d =	0.0 ft.
s = Size of square pier	s =	0.0 ft.
Mana of tower and appropriate pages (halow)		

Mass of tower and appurtenances (below)

Results:

Component	<u>Mass</u>	Moment Arm	Moment Resist.
Pier	0.0 kips	16 ft.	0.0 ft-kips
Overburden	0.0 kips	16 ft.	0.0 ft-kips
Mat	622.1 kips	16 ft.	9953.3 ft-kips
Tower Dead Load	kips	16 ft.	0.0 ft-kips
Antenna Dead Load	kips	16 ft.	0.0 ft-kips

Overturning Moment Resistance : 9953.28 ft-kips

Factor of Safety = 1.71 <u>SATISFACTORY</u>

Concrete Quantity = 170.7 c.y.





Maser Consulting Connecticut 2000 Midlantic Drive, Suite 100 Mt. Laurel, NJ 08054 (856) 797-0412 peter.albano@colliersengineering.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10069538

Maser Consulting Connecticut Project #: 21777167A

June 16, 2021

<u>Site Information</u> Site ID: 468160-VZW / COVENTRY EAST CT

Site Name: COVENTRY EAST CT Carrier Name: Verizon Wireless

Address: 1712 Main St Coventry, Connecticut 06238

Tolland County

Latitude: 41.779932° Longitude: -72.309583°

<u>Structure Information</u> Tower Type: Self Support

Mount Type: 15.00-Ft T-Frame

FUZE ID # 16272141

Analysis Results

T-Frame: **72.6% Pass**

***Contractor PMI Requirements:

Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings

Report Prepared By: Selene Chen



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: 674867, dated October 20, 2020
Mount Mapping Report	Hudson Design Group LLC, Site ID: 468160, dated March 25, 2021
Mount Analysis Report	Maser Consulting Connecticut, Project #: 21777167A, dated May 6, 2021
Mount Modification Drawings	Maser Consulting Connecticut, Project #: 21777167A, dated June 16, 2021

Analysis Criteria:

-222-H
-2

Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust),	119 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category	ll .

Risk Category: С Exposure Category: Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, Ke: 0.975

Seismic Parameters: S_S: 0.188 S₁:

0.055

Maintenance Parameters: Wind Speed (3-sec. Gust): 30 mph

> Maintenance Live Load, Lv: 250 lbs. Maintenance Live Load, Lm: 500 lbs.

RISA-3D (V17) Analysis Software:

Final Loading Configuration:

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

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

The recent mount mapping did not report existing OVP units. However, 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.

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

Standard Conditions:

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

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

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

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

June 16, 2021 Site ID: 468160-VZW / COVENTRY EAST CT Page | 4

- 6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
- 7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:

Channel, Solid Round, Angle, Plate
 HSS (Rectangular)
 Pipe
 Threaded Rod
 Bolts
 ASTM A36 (Gr. 36)
 ASTM 500 (Gr. B-46)
 ASTM A53 (Gr. B-35)
 F1554 (Gr. 36)
 ASTM A325

8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal		Pass
Mount Pipe		Pass
Mast Pipe		Pass
Tieback		Pass
Standoff Horizontal		Pass
V-Bracing		Pass
Mount Connection		Pass

Structure Rating – (Controlling Utilization of all Components)	72.6%
--	-------

Prior to the removal of any antennas and associated equipment, the contractor shall verify which existing antennas are serving CDMA technology. The CDMA antennas SHALL NOT be removed. For the purpose of this analysis, the CDMA antennas are assumed to be located in position 4 (looking from behind the antennas left to right). If actual site conditions differ from this assumption, the contractor is required to notify both Verizon and Maser Consulting Connecticut before proceeding with their scope of work. Changes in proposed antenna placement and/or mount reanalysis may be required based on in-field location of CDMA antennas.

Recommendation:

The existing mounts 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.

June 16, 2021 Site ID: 468160-VZW / COVENTRY EAST CT Page | 5

Attachments:

Mount Photos
Mount Mapping Report (for reference only)
Analysis Calculations
Contractor Required PMI Report Deliverables
Antenna Placement Diagrams
TIA Adoption and Wind Speed Usage Letter



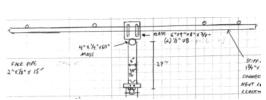


MASER CONSULTING — CONNECTICUT—

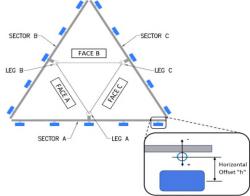
		V3.0	Updated on 8-31-2020
	Antenna Mount Mapping Form (PATEN	T PENDING)	
Tower Owner:	Other	Mapping Date:	3/25/2021
Site Name:	COVENTRY EAST CT	Tower Type:	Self Support
Site Number or ID:	468160	Tower Height (Ft.):	
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (Ft.):	150.1
of TCC and under The formatio	a contained bossis is considered confidential in nature and is to be used only	for the enecific system or it was intended for Depreduction	transmission nublicatio

This antenna mapping form is the property of TES and under

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 warrantying the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

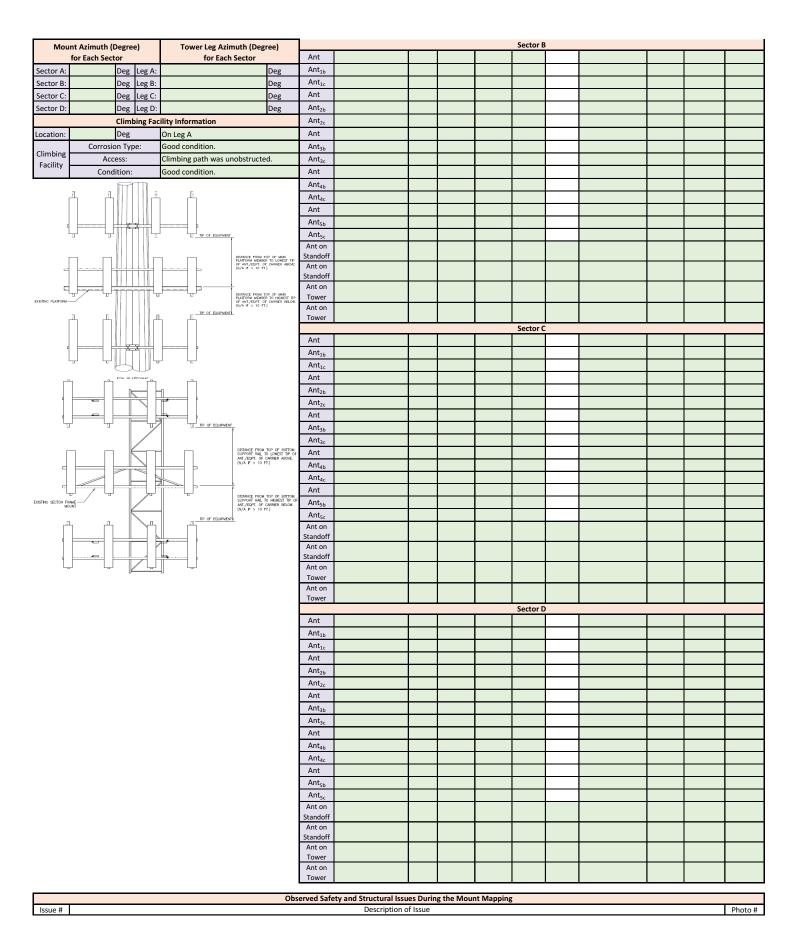


		Mount Pipe	e Configurat	ion and G	eometries [Unit = Inches]		
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
					. Unit is inches. See 'Mount Elev Ref' tab f		
					est tip of ant./eqpt. of Carrier above. (N/A		
					est tip of ant./eqpt. of Carrier below. (N/A	if > 10 ft.):	
Please enter additional infomation or comments below.							
Tower Face	Width at Mount Elev. (ft.):		Tower Leg S	Size or Pole	Shaft Diameter at Mount Elev. (in.):		



				ffset "h"
Antı B	Antzo B	Ants	Ant40	Antso †
Antı 🙇	Antzb 🚊	Antas ∉	Ant+b 😤	Ants _b
p ₂ c	p3e	*	ş .	
			-	#
		<u> </u>	<u> </u>	
Antic	Ant2c	Ant3c	Ant4c	Antsc
C2		_		
-	C4	5	-	-
Antenna Layout (Looking Out From Tower)				

		Enter antenna	If not label	ed, enter "	Mountin [Units are incl	Photos of antennas						
	Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center- line (Ft.)	Vertical Distances"b , b b , b _{1b} " (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers	
	Sector A											
	Ant											
	Ant _{1b}											
	Ant _{1c}											
	Ant											
	Ant _{2b}											
	Ant _{2c}											
	Ant											
+	Ant _{3b}											
	Ant _{3c}											
	Ant											
⊃	Ant _{4b}											
	Ant _{4c}											
<u> </u>	Ant											
	Ant _{5b}											
	Ant _{5c}											
	Ant on											
	Standoff											
	Ant on											
	Standoff Ant on											
	Tower											
	Ant on Tower											



Mapping Notes

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

Standard Conditions

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

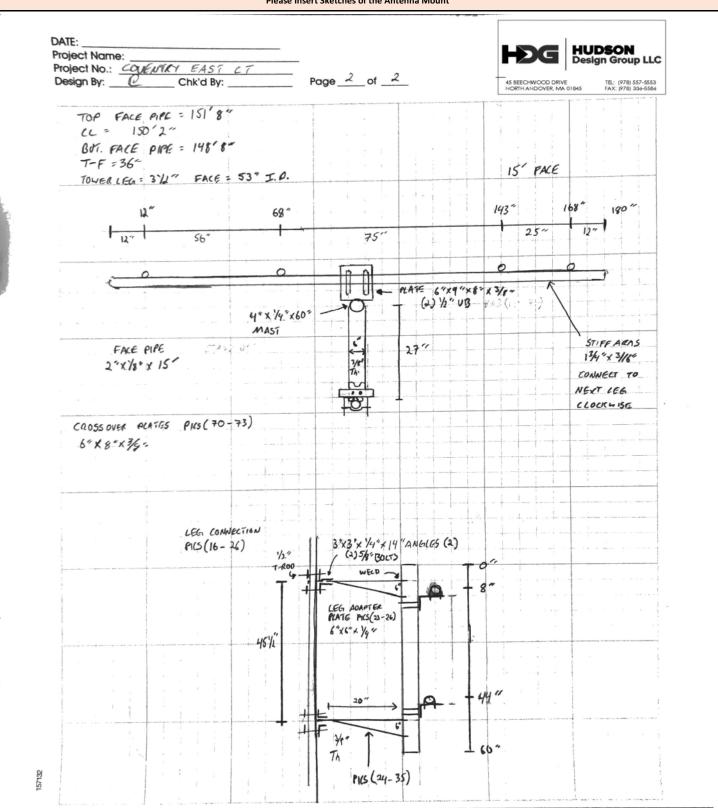


Antenna Mount Mapping Form (PATENT PENDING) Mapping Date COVENTRY EAST CT Tower Type: Site Number or ID: 468160 Tower Height (Ft.): HUDSON DESIGN GROUP, LLC. Mapping Contractor: Mount Elevation (Ft.):

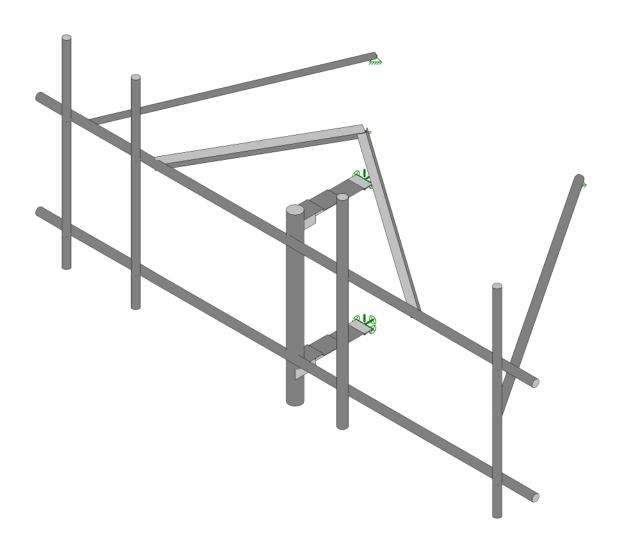
This antenna mapping form is the property of TES and under

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Please Insert Sketches of the Antenna Mount





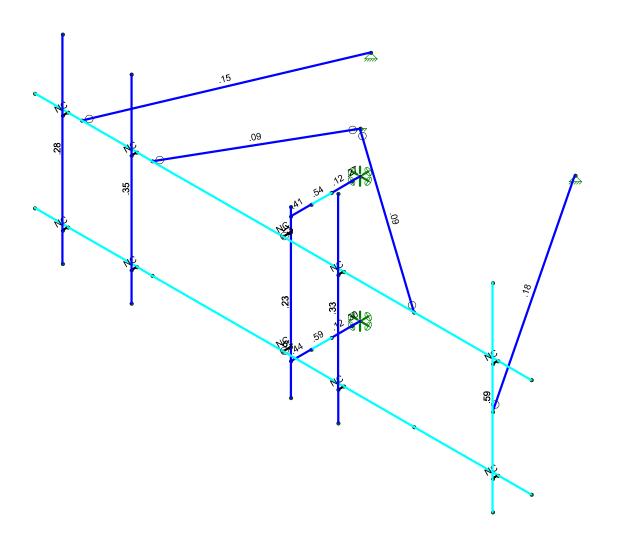


Envelope Only Solution

Maser Consulting		SK - 1
	468160-VZW_MT_LOT_SectorA_H	June 11, 2021 at 4:17 PM
		MOD_468160-VZW_MT_LOT_A_H





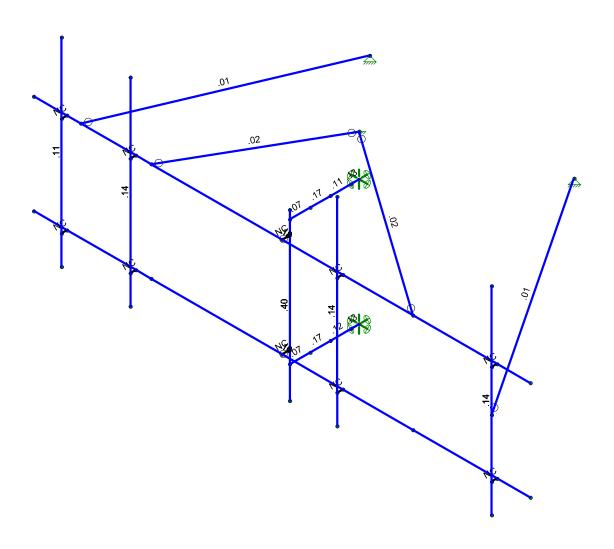


Member Code Checks Displayed (Enveloped) Envelope Only Solution

Maser Consulting		SK-2		
	468160-VZW_MT_LOT_SectorA_H	June 11, 2021 at 4:18 PM		
		MOD_468160-VZW_MT_LOT_A_H		







Member Shear Checks Displayed (Enveloped) Envelope Only Solution

Maser Consulting		SK - 3
	468160-VZW_MT_LOT_SectorA_H	June 11, 2021 at 4:18 PM
		MOD_468160-VZW_MT_LOT_A_H



Company : Maser Consulting
Designer :
Job Number :
Model Name : 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:___

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me	Surface(P
1	Antenna D	None					36			
2	Antenna Di	None					36			
3	Antenna Wo (0 Deg)	None					36			
4	Antenna W o (30 Deg)	None					36			
5	Antenna W o (60 Deg)	None					36			
6	Antenna W o (90 Deg)	None					36			
7	Antenna W o (120 Deg)						36			
8	Antenna W o (150 Deg)						36			
9	Antenna W o (180 Deg)						36			
10	Antenna W o (210 Deg)						36			
11	Antenna W o (240 Deg)	None					36			
12	Antenna W o (270 Deg)						36			
	Antenna W o (300 Deg)	None					36			
	Antenna Wo (330 Deg)	None					36			
15	Antenna Wi (0 Deg)	None					36			
16	Antenna Wi (30 Deg)	None					36			
17	Antenna Wi (60 Deg)	None					36			
18	Antenna Wi (90 Deg)	None					36			
19	Antenna Wi (120 Deg)	None					36			
20	Antenna Wi (150 Deg)	None					36			
21	Antenna Wi (180 Deg)	None					36			
22	Antenna Wi (210 Deg)	None					36			
23	Antenna Wi (240 Deg)	None					36			
24	Antenna Wi (270 Deg)	None					36			
25	Antenna Wi (300 Deg)	None					36			
26	Antenna Wi (330 Deg)	None					36			
27	Antenna W m (0 Deg)	None					36			
28	Antenna Wm (30 Deg)	None					36			
29	Antenna Wm (60 Deg)	None					36			
	Antenna Wm (90 Deg)	None					36			
	Antenna W m (120 De	None					36			
	Antenna W m (150 De	None					36			
	Antenna W m (180 De	None					36			
	Antenna W m (210 De	None					36			
	Antenna W m (240 De	None					36			
	Antenna Wm (270 De	None					36			
	Antenna Wm (300 De	None					36			
	Antenna Wm (330 De	None					36			
39	Structure D	None		-1			- 00			
40	Structure Di	None						19		
41	Structure Wo (0 Deg)	None						38		
	Structure Wo (30 Deg)							38		
	Structure Wo (60 Deg)							38		
	Structure Wo (90 Deg)							38		
	Structure Wo (120 D	None						38		
	Structure Wo (150 D							38		
	Structure Wo (180 D	None						38		
	Structure Wo (210 D	None						38		
	Structure Wo (240 D	None						38		
	Structure Wo (270 D	None								
	Structure Wo (300 D	None						38		
51	Structure WO (300 D	None	1					38		



: Maser Consulting

: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:___

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me	Surface(P
52	Structure Wo (330 D	None			_			38		
53	Structure Wi (0 Deg)	None						38		
54	Structure Wi (30 Deg)	None						38		
55	Structure Wi (60 Deg)	None						38		
56	Structure Wi (90 Deg)	None						38		
57	Structure Wi (120 De	None						38		
58	Structure Wi (150 De	None						38		
59	Structure Wi (180 De	None						38		
60	Structure Wi (210 De	None						38		
61	Structure Wi (240 De	None						38		
62	Structure Wi (270 De	None						38		
63	Structure Wi (300 De	None						38		
64	Structure Wi (330 De	None						38		
65	Structure Wm (0 Deg)	None						38		
66	Structure Wm (30 D	None						38		
67	Structure Wm (60 D	None						38		
68	Structure Wm (90 D	None						38		
69	Structure Wm (120	None						38		
70	Structure Wm (150	None						38		
71	Structure Wm (180	None						38		
72	Structure Wm (210	None						38		
73	Structure Wm (240	None						38		
74	Structure Wm (270	None						38		
75	Structure Wm (300	None						38		
76	Structure Wm (330	None						38		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			

Load Combinations

	Des cription	Solve	PDelta	S BLO	CFac	BLC	Fac	BLC	Fac	BLC	Fac	BLC	Fac	BLC	Fac.	BLC	Fac	BLC	Fac.	BLC	Fac	BLC	Fac
1	1.2D+1.0Wo (0		Υ	1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (3			1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (6			1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (9			1	1.2	39	1.2	6	1	44	1_												
5	1.2D+1.0Wo (1			1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (1			1	1.2		1.2	8	1	46	1												
7	1.2D+1.0Wo (1			1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (2			1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (2			1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (2			1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (3			1	1.2	39	1.2	13	1	51	1_												
12	1.2D+1.0Wo (3			1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di +			1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di +			1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di +			1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di +			1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di +			1	1.2	39		2	1	40	1_	19	1	57	1_								
18	1.2D + 1.0Di +	Yes	Υ	1	1.2	39	1.2	2	1	40	1	20	1	58	1								



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Model Name : 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:___

Load Combinations (Continued)

	Description	Solve	PDelta	S BLC	Fac	BLCI	Fac	BLC	Fac	BLC	Fac	BLC	Fac	BLC	Fac	BLC	Fac.	BLC	Fac.	BLC	Fac	BLC	Fac
19	1.2D + 1.0Di +		Y	1		39		2	1	40	1	21		59	1								
20	1.2D + 1.0Di +		Υ	1	1.2	39		2	1	40	1	22		60	1								
21	1.2D + 1.0Di +		Y	1	1.2	39			1	40	1	23		61	1								
22	1.2D + 1.0Di +		Y	1	1.2	39			1	40	1	24		62	1								
23	1.2D + 1.0Di +		Y	1	1.2	39			1	40	1	25		63	1								
24	1.2D + 1.0Di +		Y	1	1.2	39			1	40	1	26		64	1								
25	1.2D + 1.5Lm1		Y	1	1.2	39			1.5	27	1	65		04									
26	1.2D + 1.5Lm1		Y	1	1.2	39			1.5			66											
	1.2D + 1.5Lm1		Y							28	1_	67											
27	1.2D + 1.5Lm1			1	1.2	39			1.5	29	1_		1										
28			Y	1	1.2	39			1.5	30	1_	68											
29	1.2D + 1.5Lm1		Y	1	1.2	39			1.5	31	1	69											
30	1.2D + 1.5Lm1		Y	1	1.2	39			1.5	32	1_	70											
31	1.2D + 1.5Lm1		Υ	1	1.2	39			1.5	33	1_	71											
32	1.2D + 1.5Lm1		Υ	1	1.2	39			1.5	34	1	72	1										
33	1.2D + 1.5Lm1		Υ	1	1.2	39			1.5	35	1_	73	1										
34	1.2D + 1.5Lm1		Υ	1	1.2	39			1.5	36	1	74											
35	1.2D + 1.5Lm1		Υ	1	1.2	39			1.5	37	1	75											
36	1.2D + 1.5Lm1		Υ	1	1.2	39			1.5	38	1	76											
37	1.2D + 1.5Lm2		Υ	1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2	Yes	Υ	1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2	Yes	Υ	1	1.2	39	1.2		1.5	29	1	67	1										
40	1.2D + 1.5Lm2	Yes	Υ	1	1.2	39			1.5	30	1	68											
41	1.2D + 1.5Lm2	Yes	Υ	1	1.2	39			1.5	31	1	69											
42	1.2D + 1.5Lm2		Υ	1	1.2	39			1.5	32	1	70											
43	1.2D + 1.5Lm2		Y	1	1.2	39			1.5	33	1	71	1										
44	1.2D + 1.5Lm2		Y	1	1.2	39			1.5	34	1	72	1										
45	1.2D + 1.5Lm2		Y	1	1.2	39			1.5	35	<u> </u>	73											
46	1.2D + 1.5Lm2		Y	1	1.2	39			1.5	36	1	74											
47	1.2D + 1.5Lm2		Y	1	1.2	39			1.5	37	1	75											
48	1.2D + 1.5Lm2		Y	1	1.2	39			1.5	38	1	76											
49	1.2D + 1.5Lv1	Yes	Y	1	1.2	39			1.5	30		70	ı										
50	1.2D + 1.5Lv2	Yes	Y	1	1.2	39			1.5														
51	1.4D	Yes	Y	1	1.4	39		00	1.5														
	Seismic Mass		Y		1.4																		
	1.2D + 1.0Ev + .			1		39	1	cv		CV/	1	07	4										
53			Y	1	1.2	39				SY	1	SZ											
54	1.2D + 1.0Ev + .		Y	1	1.2	39		_		SY	1_	_	866										
55	1.2D + 1.0Ev + .		Y	1	1.2				.866		1		5										
	1.2D + 1.0Ev + .		Y		1.2							SZ											
	1.2D + 1.0Ev + .		Υ	1					.866		1_	SZ											
			Υ	1					.5		1_		.866										
	1.2D + 1.0Ev + .		Υ	1		39				SY	_1_	SZ											
60			Υ	1					5		1_		.866										
61	1.2D + 1.0Ev + .		Υ	1					866		1_	SZ											
62	1.2D + 1.0Ev + .		Υ	1					-1		1	SZ											
63	1.2D + 1.0Ev + .		Υ	1					866		1		5										
64	1.2D + 1.0Ev + .		Υ	1					5		1	SZ	866										

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: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:____

Joint Coordinates and Temperatures

1		Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
N3	1	N1		5	0	0	
4 N4 7.5 2.5 0 0 6 N7 1.833333 5 0 0 7 N8 1.4333333 5 0 0 8 N9 -4.416667 5 0 0 9 N10 -4.416667 2.5 0 0 10 N13 -6.5 5 0 0 11 N14 -6.5 2.5 0 0 12 N15 1.833333 5 0.166667 0 13 N16 1.833333 2.5 0.166667 0 14 N17 -4.416667 5 0.166667 0 15 N18 -4.416667 5 0.166667 0 16 N21 -6.5 5 0.166667 0 16 N21 -6.5 5 0.166667 0 18 N23 1.833333 4.625 0.166667 0 <td>2</td> <td>N2</td> <td>7.5</td> <td>5</td> <td>0</td> <td>0</td> <td></td>	2	N2	7.5	5	0	0	
5 N5 0 -5 0 0 7 N8 1.833333 5 0 0 8 N9 -4.416667 5 0 0 9 N10 -4.416667 5 0 0 10 N13 -6.5 5 0 0 11 N14 -6.5 5 0 0 12 N15 1.833333 5 0.166667 0 12 N15 1.833333 5 0.166667 0 14 N17 -4.416667 5 0.166667 0 15 N18 -4.416667 5 0.166667 0 15 N18 -4.416667 2.5 0.166667 0 16 N21 -6.5 5 0.166667 0 17 N22 -6.5 2.5 0.166667 0 18 N23 1.833333 -4.25 0.166667 <td< td=""><td>3</td><td>N3</td><td>-7.5</td><td>2.5</td><td>0</td><td>0</td><td></td></td<>	3	N3	-7.5	2.5	0	0	
6 N7 1.833333 5 0 0 7 NB 1.833333 2.5 0 0 8 N9 -4.416667 5 0 0 9 N10 -4.416667 2.5 0 0 10 N13 -6.5 5 0 0 11 N14 -6.5 2.5 0 0 12 N15 1.833333 -5 0.166667 0 13 N16 1.833333 2.5 0.166667 0 14 N17 4.416667 5 0.166667 0 15 N18 -4.416667 5 0.166667 0 16 N21 -6.5 5 0.166667 0 17 N22 -6.5 5 0.166667 0 18 N23 1.833333 4.625 0.166667 0 20 N26 -6.5 4.625 0.166667	4	N4	7.5	2.5	0	0	
6 N7 1.833333 5 0 0 7 NB 1.833333 2.5 0 0 8 N9 -4.416667 5 0 0 9 N10 -4.416667 2.5 0 0 10 N13 -6.5 5 0 0 11 N14 -6.5 2.5 0 0 12 N15 1.833333 -5 0.166667 0 13 N16 1.833333 2.5 0.166667 0 14 N17 4.416667 5 0.166667 0 15 N18 -4.416667 5 0.166667 0 16 N21 -6.5 5 0.166667 0 17 N22 -6.5 5 0.166667 0 18 N23 1.833333 4.625 0.166667 0 20 N26 -6.5 4.625 0.166667	5	N5			0	0	
T N8 1.833333 2.5 0 0 8 N9 -4.416667 5 0 0 10 N10 -4.416667 2.5 0 0 10 N13 -6.5 -5 0 0 11 N14 -6.5 2.5 0 0 12 N15 1.833333 -5 0.166667 0 13 N16 1.833333 -5 0.166667 0 14 N17 -4.416667 -5 0.166667 0 15 N18 -4.416667 -5 0.166667 0 16 N21 -6.5 -5 0.166667 0 17 N22 -6.5 2.5 0.166667 0 17 N22 -6.5 2.5 0.166667 0 18 N23 1.833333 4.625 0.166667 0 20 N26 -6.5 2.6 0.66667 <			1.833333				
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9	8						
10							
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17							
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19							
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36 N44 -0. 875 -0.850849 0 37 N45 -0. 2.916667 -0.850849 0 38 N40A 0 2.5 0 0 39 N41A 0. 2.5 -0.234923 0 40 N41B 6.5 5 0 0 41 N42A 6.5 2.5 0 0 41 N42A 6.5 2.5 0 0 42 N43A 6.5 5 0.166667 0 43 N44A 6.5 2.5 0.166667 0 44 N45A 6.5 4.625 0.166667 0 45 N46 6.5 -1.375 0.166667 0 46 N47 -6.083333 2.5 0 0 48 N49 3.958333 5 0 0 49 N50 0 4.166667 -2.327674 0							
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48 N49 3.958333 5 0 0 49 N50 0. 4.166667 -2.327674 0 50 N51 -3.958333 2.5 0 0 51 N52 3.958333 2.5 0 0			-6.083333	2.5	0	0	
49 N50 0. 4.166667 -2.327674 0 50 N51 -3.958333 2.5 0 0 51 N52 3.958333 2.5 0 0			-3.958333		0	0	
50 N51 -3.958333 2.5 0 0 51 N52 3.958333 2.5 0 0	48	N49	3.958333		0	0	
50 N51 -3.958333 2.5 0 0 51 N52 3.958333 2.5 0 0	49	N50	0.	4.166667	-2.327674	0	
51 N52 3.958333 2.5 0 0	50		-3.958333				
	51	N52			0	0	
52 N54 1.559162 1.25 -7.265461 0	52	N54		1.25	-7.265461	0	



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Model Name : 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:___

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
53	N54A	6.5	1.25	0.166667	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rul	A [in2]	lyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
2	Face Pipe	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Tiebback	PIPE_1.25	Beam	Pipe	A53 Gr.B	Typical	.625	.184	.184	.368
4	Mast Pipe	PIPE 4.0	Beam	Pipe	A53 Gr.B	Typical	2.96	6.82	6.82	13.6
5	SO1	WT6X3/8	Beam	W Tee	A36 Gr.36	Typical	3.81	7.05	7.86	.201
6	SO2	WT3X3/8	Beam	W Tee	A36 Gr.36	Typical	2.21	4.66	1.41	.05
7	SO3	WT1x3/8	Beam	W Tee	A36 Gr.36	Typical	4.42	8.35	9.28	.31
8	SO4	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
9	TES SO1	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
10	TES SO2	PL3/8X3	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
11	TES SO3	PL3/8x2_H	Beam	RECT	A36 Gr.36	Typical	1	.021	.333	.07
12	Secondary Horizontal	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
13	V-Brace	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
14	Replaecment Pipe	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
15	Proposed Tie-Back	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Pipe	Beam	Pipe	A53 Gr.B	Typical
2	M2	N3	N4			Face Pipe	Beam	Pipe	A53 Gr.B	Typical
3	M3	N13	N21			RIGID	None	None	RIGID	Typical
4	M4	N14	N22			RIGID	None	None	RIGID	Typical
5	M7	N10	N18			RIGID	None	None	RIGID	Typical
6	M8	N9	N17			RIGID	None	None	RIGID	Typical
7	M9	N8	N16			RIGID	None	None	RIGID	Typical
8	M10	N7	N15			RIGID	None	None	RIGID	Typical
9	MP2A	N23	N27			Replaecment	Column	Pipe	A53 Gr.B	Typical
10	MP3A	N24	N28			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP4A	N26	N30			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
12	M16	N5	N31			RIGID	None	None	RIGID	Typical
13	M17	N34	N32			Mast Pipe	Beam	Pipe	A53 Gr.B	Typical
14	M20	N47	N39			Tiebback	Beam	Pipe	A53 Gr.B	Typical
15	M19	N35	N45			SO1	Beam	W_Tee	A36 Gr.36	Typical

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: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:____

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
16	M20A	N33	N44			SO1	Beam	W_Tee	A36 Gr.36	Typical
17	M21	N45	N43			SO2	Beam	W_Tee	A36 Gr.36	Typical
18	M22	N44	N42			SO2	Beam	W_Tee	A36 Gr.36	Typical
19	M23	N43	N41			SO3	Beam	W_Tee	A36 Gr.36	Typical
20	M24	N42	N40			SO3	Beam	W_Tee	A36 Gr.36	Typical
21	M25	N41	N37		90	SO4	Beam	RECT	A36 Gr.36	Typical
22	M26	N40	N36		90	SO4	Beam	RECT	A36 Gr.36	Typical
23	M24A	N40A	N41A			RIGID	None	None	RIGID	Typical
24	M24B	N42A	N44A			RIGID	None	None	RIGID	Typical
25	M25A	N41B	N43A			RIGID	None	None	RIGID	Typical
26	MP1A	N45A	N46			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
27	M29	N51	N50			V-Brace	Beam	Single Angle	A36 Gr.36	Typical
28	M30	N52	N50		270	V-Brace	Beam	Single Angle	A36 Gr.36	Typical
29	M31	N54A	N54			Proposed Tie	Beam	Pipe	A53 Gr.B	Typical

Member Advanced Data

	Label	l Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl RatAnalysis	Inactive	Seismic
1	M1						Yes	Default		None
2	M2						Yes			None
3	M3						Yes	** NA **		None
4	M4						Yes	** NA **		None
5	M7						Yes	** NA **		None
6	M8						Yes	** NA **		None
7	M9						Yes	** NA **		None
8	M10						Yes	** NA **		None
9	MP2A						Yes	** NA **		None
10	MP3A						Yes	** NA **		None
11	MP4A						Yes	** NA **		None
12	M16		000000				Yes	** NA **		None
13	M17						Yes			None
14	M20	BenPIN					Yes	Default		None
15	M19						Yes			None
16	M20A						Yes			None
17	M21						Yes			None
18	M22						Yes			None
19	M23						Yes			None
20	M24						Yes			None
21	M25						Yes			None
22	M26						Yes			None
23	M24A		000000				Yes	** NA **		None
24	M24B						Yes	** NA **		None
25	M25A						Yes	** NA **		None
26	MP1A						Yes	** NA **		None
27	M29	BenPIN	BenPIN				Yes			None
28	M30	BenPIN	BenPIN				Yes			None
29	M31	0000X0					Yes	Default		None

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Job Number : Model Name : 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:___

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-21.85	1
2	MP2A	My	01	1
3	MP2A	Mz	.014	1
4	MP2A	Υ	-21.85	5
5	MP2A	My	01	5
6	MP2A	Mz	.014	5
7	MP2A	Υ	-21.85	1
8	MP2A	My	012	1
9	MP2A	Mz	012	1
10	MP2A	Υ	-21.85	5
11	MP2A	My	012	5
12	MP2A	Mz	012	5
13	MP1A	Y	-43.55	2.5
14	MP1A	My	022	2.5
15	MP1A	Mz	.002	2.5
16	MP1A	Υ	-43.55	3.5
17	MP1A	My	022	3.5
18	MP1A	Mz	.002	3.5
19	MP1A	Υ	-84.4	3
20	MP1A	My	07	3
21	MP1A	Mz	.006	3
22	MP2A	Υ	-70.3	3
23	MP2A	My	058	3
24	MP2A	Mz	.005	3
25	MP4A	Y	-22.95	1
26	MP4A	My	011	1
27	MP4A	Mz	.001	1
28	MP4A	Υ	-22.95	5
29	MP4A	My	011	5
30	MP4A	Mz	.001	5
31	MP3A	Y	-16	2.5
32	MP3A	My	.005	2.5
33	MP3A	Mz	000465	2.5
34	MP3A	Υ	-16	3.5
35	MP3A	My	.005	3.5
36	MP3A	Mz	000465	3.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Υ	- 96.545	1
2	MP2A	My	043	1
3	MP2A	Mz	.062	1
4	MP2A	Υ	-96.545	5
5	MP2A	My	043	5
6	MP2A	Mz	.062	5
7	MP2A	Υ	-96.545	1
8	MP2A	My	053	1
9	MP2A	Mz	054	1
10	MP2A	Y	-96.545	5
11	MP2A	My	053	5

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: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:___

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2A	Mz	054	5
13	MP1A	Υ	-56.996	2.5
14	MP1A	My	028	2.5
15	MP1A	Mz	.002	2.5
16	MP1A	Υ	-56.996	3.5
17	MP1A	My	028	3.5
18	MP1A	Mz	.002	3.5
19	MP1A	Υ	- 72.453	3
20	MP1A	My	06	3
21	MP1A	Mz	.005	3
22	MP2A	Υ	-65.422	3
23	MP2A	My	054	3
24	MP2A	Mz	.005	3
25	MP4A	Υ	-107.112	1
26	MP4A	My	053	1
27	MP4A	Mz	.005	1
28	MP4A	Υ	-107.112	5
29	MP4A	My	053	5
30	MP4A	Mz	.005	5
31	MP3A	Υ	-60.47	2.5
32	MP3A	My	.02	2.5
33	MP3A	Mz	002	2.5
34	MP3A	Υ	-60.47	3.5
35	MP3A	My	.02	3.5
36	MP3A	Mz	002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Χ	0	1
2	MP2A	Z	-167.543	1
3	MP2A	Mx	108	1
4	MP2A	X	0	5
5	MP2A	Z	-167.543	5
6	MP2A	Mx	108	5
7	MP2A	X	0	1
8	MP2A	Z	-167.543	1
9	MP2A	Mx	.094	1
10	MP2A	X	0	5
11	MP2A	Z	-167.543	5
12	MP2A	Mx	.094	5
13	MP1A	X	0	2.5
14	MP1A	Z	-97.257	2.5
15	MP1A	Mx	004	2.5
16	MP1A	X	0	3.5
17	MP1A	Z	-97.257	3.5
18	MP1A	Mx	004	3.5
19	MP1A	X	0	3
20	MP1A	Z	-77.555	3
21	MP1A	Mx	006	3
22	MP2A	X	0	3
23	MP2A	Z	-77.48	3

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: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:___

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	006	3
25	MP4A	X	0	1
26	MP4A	Z	-191.395	1
27	MP4A	Mx	008	1
28	MP4A	X	0	5
29	MP4A	Z	-191.395	5
30	MP4A	Mx	008	5
31	MP3A	X	0	2.5
32	MP3A	Z	-78.588	2.5
33	MP3A	Mx	.002	2.5
34	MP3A	X	0	3.5
35	MP3A	Z	-78.588	3.5
36	MP3A	Mx	.002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	74.624	1
2	MP2A	Z	-129.252	1
3	MP2A	Mx	117	1
4	MP2A	X	74.624	5
5	MP2A	Z	-129.252	5
6	MP2A	Mx	117	5
7	MP2A	X	74.624	1
8	MP2A	Z	-129.252	1
9	MP2A	Mx	.031	1
10	MP2A	X	74.624	5
11	MP2A	Z	-129.252	5
12	MP2A	Mx	.031	5
13	MP1A	X	39.074	2.5
14	MP1A	Z	-67.678	2.5
15	MP1A	Mx	022	2.5
16	MP1A	X	39.074	3.5
17	MP1A	Z	-67.678	3.5
18	MP1A	Mx	022	3.5
19	MP1A	X	34.635	3
20	MP1A	Z	-59.99	3
21	MP1A	Mx	033	3
22	MP2A	X	33.011	3
23	MP2A	Z	-57.176	3
24	MP2A	Mx	032	3
25	MP4A	X	85.375	1
26	MP4A	Z	-147.874	1
27	MP4A	Mx	049	1
28	MP4A	X	85.375	5
29	MP4A	Z	-147.874	5
30	MP4A	Mx	049	5
31	MP3A	Х	35.014	2.5
32	MP3A	Z	-60.645	2.5
33	MP3A	Mx	.013	2.5
34	MP3A	Χ	35.014	3.5
35	MP3A	Z	-60.645	3.5



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Job Number :
Model Name : 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:__

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3A	Mx	.013	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	104.976	1
2	MP2A	Z	-60.608	1
3	MP2A	Mx	086	1
4	MP2A	X	104.976	5
5	MP2A	Z	-60.608	5
6	MP2A	Mx	086	5
7	MP2A	X	104.976	1
8	MP2A	Z	-60.608	1
9	MP2A	Mx	024	1
10	MP2A	X	104.976	5
11	MP2A	Z	-60.608	5
12	MP2A	Mx	024	5
13	MP1A	X	42.324	2.5
14	MP1A	Z	-24.436	2.5
15	MP1A	Mx	022	2.5
16	MP1A	X	42.324	3.5
17	MP1A	Z	-24.436	3.5
18	MP1A	Mx	022	3.5
19	MP1A	X	48.997	3
20	MP1A	Z	-28.288	3
21	MP1A	Mx	043	3
22	MP2A	X	41.973	3
23	MP2A	Z	-24.233	3
24	MP2A	Mx	037	3
25	MP4A	X	120.482	1
26	MP4A	Z	-69.56	1
27	MP4A	Mx	063	1
28	MP4A	X	120.482	5
29	MP4A	Z	-69.56	5
30	MP4A	Mx	063	5
31	MP3A	X	49.286	2.5
32	MP3A	Z	-28.455	2.5
33	MP3A	Mx	.017	2.5
34	MP3A	X	49.286	3.5
35	MP3A	Z	-28.455	3.5
36	MP3A	Mx	.017	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	111.481	1
2	MP2A	Z	0	1
3	MP2A	Mx	05	1
4	MP2A	X	111.481	5
5	MP2A	Z	0	5
6	MP2A	Mx	05	5
7	MP2A	X	111.481	1
8	MP2A	Z	0	1

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Model Name : 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:___

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2A	Mx	061	1
10	MP2A	X	111.481	5
11	MP2A	Z	0	5
12	MP2A	Mx	061	5
13	MP1A	X	38.704	2.5
14	MP1A	Z	0	2.5
15	MP1A	Mx	019	2.5
16	MP1A	X	38.704	3.5
17	MP1A	Z	0	3.5
18	MP1A	Mx	019	3.5
19	MP1A	Χ	52.169	3
20	MP1A	Z	0	3
21	MP1A	Mx	043	3
22	MP2A	Χ	42.369	3
23	MP2A	Z	0	3
24	MP2A	Mx	035	3
25	MP4A	X	128.136	1
26	MP4A	Z	0	1
27	MP4A	Mx	064	1
28	MP4A	X	128.136	5
29	MP4A	Z	0	5
30	MP4A	Mx	064	5
31	MP3A	Χ	52.356	2.5
32	MP3A	Z	0	2.5
33	MP3A	Mx	.017	2.5
34	MP3A	Χ	52.356	3.5
35	MP3A	Z	0	3.5
36	MP3A	Mx	.017	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	112.39	1
2	MP2A	Z	64.888	1
3	MP2A	Mx	008	1
4	MP2A	X	112.39	5
5	MP2A	Z	64.888	5
6	MP2A	Mx	008	5
7	MP2A	X	112.39	1
8	MP2A	Z	64.888	1
9	MP2A	Mx	098	1
10	MP2A	X	112.39	5
11	MP2A	Z	64.888	5
12	MP2A	Mx	098	5
13	MP1A	X	50.068	2.5
14	MP1A	Z	28.907	2.5
15	MP1A	Mx	024	2.5
16	MP1A	X	50.068	3.5
17	MP1A	Z	28.907	3.5
18	MP1A	Mx	024	3.5
19	MP1A	X	52.354	3
20	MP1A	Z	30.227	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1A	Mx	041	3
22	MP2A	X	46.616	3
23	MP2A	Z	26.914	3
24	MP2A	Mx	037	3
25	MP4A	X	128.848	1
26	MP4A	Z	74.39	1
27	MP4A	Mx	061	1
28	MP4A	X	128.848	5
29	MP4A	Z	74.39	5
30	MP4A	Mx	061	5
31	MP3A	Χ	52.755	2.5
32	MP3A	Z	30.458	2.5
33	MP3A	Mx	.017	2.5
34	MP3A	Χ	52.755	3.5
35	MP3A	Z	30.458	3.5
36	MP3A	Mx	.017	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X Z	78.904	1
2	MP2A	Z	136.666	1
3	MP2A	Mx	.053	1
4	MP2A	X	78.904	5
5	MP2A	Z	136.666	5
6	MP2A	Mx	.053	5
7	MP2A	X	78.904	1
8	MP2A	Z	136.666	1
9	MP2A	Mx	12	1
10	MP2A	X	78.904	5
11	MP2A	Z	136.666	5
12	MP2A	Mx	12	5
13	MP1A	X	43.545	2.5
14	MP1A	Z	75.422	2.5
15	MP1A	Mx	018	2.5
16	MP1A	X	43.545	3.5
17	MP1A	Z	75.422	3.5
18	MP1A	Mx	018	3.5
19	MP1A	X	36.573	3
20	MP1A	Z	63.347	3
21	MP1A	Mx	026	3
22	MP2A	X	35.692	3
23	MP2A	Z	61.82	3
24	MP2A	Mx	025	3
25	MP4A	X	90.205	1
26	MP4A	Z	156.24	1
27	MP4A	Mx	038	1
28	MP4A	X	90.205	5
29	MP4A	Z	156.24	5
30	MP4A	Mx	038	5
31	MP3A	X	37.017	2.5
32	MP3A	Z	64.114	2.5

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June 11, 2021 4:18 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3A	Mx	.01	2.5
34	MP3A	X	37.017	3.5
35	MP3A	Z	64.114	3.5
36	MP3A	Mx	.01	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	167.543	1
3	MP2A	Mx	.108	1
4	MP2A	X	0	5
5	MP2A	Z	167.543	5
6	MP2A	Mx	.108	5
7	MP2A	X	0	1
8	MP2A	Z	167.543	1
9	MP2A	Mx	094	1
10	MP2A	X	0	5
11	MP2A	Z	167.543	5
12	MP2A	Mx	094	5
13	MP1A	X	0	2.5
14	MP1A	Z	97.257	2.5
15	MP1A	Mx	.004	2.5
16	MP1A	Χ	0	3.5
17	MP1A	Z	97.257	3.5
18	MP1A	Mx	.004	3.5
19	MP1A	X	0	3
20	MP1A	Z	77.555	3
21	MP1A	Mx	.006	3
22	MP2A	X	0	3
23	MP2A	Z	77.48	3
24	MP2A	Mx	.006	3
25	MP4A	X	0	1
26	MP4A	Z	191.395	1
27	MP4A	Mx	.008	1
28	MP4A	Χ	0	5
29	MP4A	Z	191.395	5
30	MP4A	Mx	.008	5
31	MP3A	X	0	2.5
32	MP3A	Z	78.588	2.5
33	MP3A	Mx	002	2.5
34	MP3A	Χ	0	3.5
35	MP3A	Z	78.588	3.5
36	MP3A	Mx	002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-74.624	1
2	MP2A	Z	129.252	1
3	MP2A	Mx	.117	1
4	MP2A	X	-74.624	5
5	MP2A	Z	129.252	5

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June 11, 2021 4:18 PM Checked By:__

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.117	5
7	MP2A	X	-74.624	1
8	MP2A	Z	129.252	1
9	MP2A	Mx	031	1
10	MP2A	X	-74.624	5
11	MP2A	Z	129.252	5
12	MP2A	Mx	031	5
13	MP1A	X	-39.074	2.5
14	MP1A	Z	67.678	2.5
15	MP1A	Mx	.022	2.5
16	MP1A	X	-39.074	3.5
17	MP1A	Z	67.678	3.5
18	MP1A	Mx	.022	3.5
19	MP1A	X	-34.635	3
20	MP1A	Z	59.99	3
21	MP1A	Mx	.033	3
22	MP2A	X	-33.011	3
23	MP2A	Z	57.176	3
24	MP2A	Mx	.032	3
25	MP4A	X	-85.375	1
26	MP4A	Z	147.874	1
27	MP4A	Mx	.049	1
28	MP4A	X	-85.375	5
29	MP4A	Z	147.874	5
30	MP4A	Mx	.049	5
31	MP3A	X	-35.014	2.5
32	MP3A	Z	60.645	2.5
33	MP3A	Mx	013	2.5
34	MP3A	Χ	-35.014	3.5
35	MP3A	Z	60.645	3.5
36	MP3A	Mx	013	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-104.976	1
2	MP2A	Z	60.608	1
3	MP2A	Mx	.086	1
4	MP2A	X	-104.976	5
5	MP2A	Z	60.608	5
6	MP2A	Mx	.086	5
7	MP2A	X	-104.976	1
8	MP2A	Z	60.608	1
9	MP2A	Mx	.024	1
10	MP2A	X	-104.976	5
11	MP2A	Z	60.608	5
12	MP2A	Mx	.024	5
13	MP1A	X	-42.324	2.5
14	MP1A	Z	24.436	2.5
15	MP1A	Mx	.022	2.5
16	MP1A	X	-42.324	3.5
17	MP1A	Z	24.436	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1A	Mx	.022	3.5
19	MP1A	X	-48.997	3
20	MP1A	Z	28.288	3
21	MP1A	Mx	.043	3
22	MP2A	X	-41.973	3
23	MP2A	Z	24.233	3
24	MP2A	Mx	.037	3
25	MP4A	Χ	-120.482	1
26	MP4A	Z	69.56	1
27	MP4A	Mx	.063	1
28	MP4A	Χ	-120.482	5
29	MP4A	Z	69.56	5
30	MP4A	Mx	.063	5
31	MP3A	Χ	-49.286	2.5
32	MP3A	Z	28.455	2.5
33	MP3A	Mx	017	2.5
34	MP3A	Χ	-49.286	3.5
35	MP3A	Z	28.455	3.5
36	MP3A	Mx	017	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-111.481	1
2	MP2A	Z	0	1
3	MP2A	Mx	.05	1
4	MP2A	X	-111.481	5
5	MP2A	Z	0	5
6	MP2A	Mx	.05	5
7	MP2A	X	-111.481	1
8	MP2A	Z	0	1
9	MP2A	Mx	.061	1
10	MP2A	X	-111.481	5
11	MP2A	Z	0	5
12	MP2A	Mx	.061	5
13	MP1A	X	-38.704	2.5
14	MP1A	Z	0	2.5
15	MP1A	Mx	.019	2.5
16	MP1A	X	-38.704	3.5
17	MP1A	Z	0	3.5
18	MP1A	Mx	.019	3.5
19	MP1A	X	-52.169	3
20	MP1A	Z	0	3
21	MP1A	Mx	.043	3
22	MP2A	X	-42.369	3
23	MP2A	Z	0	3
24	MP2A	Mx	.035	3
25	MP4A	X	-128.136	1
26	MP4A	Z	0	1
27	MP4A	Mx	.064	1
28	MP4A	X	-128.136	5
29	MP4A	Z	0	5

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June 11, 2021 4:18 PM Checked By:___

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP4A	Mx	.064	5
31	MP3A	X	-52.356	2.5
32	MP3A	Z	0	2.5
33	MP3A	Mx	017	2.5
34	MP3A	X	-52.356	3.5
35	MP3A	Z	0	3.5
36	MP3A	Mx	017	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-112.39	1
2	MP2A	Z	-64.888	1
3	MP2A	Mx	.008	1
4	MP2A	X	-112.39	5
5	MP2A	Z	-64.888	5
6	MP2A	Mx	.008	5
7	MP2A	X	-112.39	1
8	MP2A	Z	-64.888	1
9	MP2A	Mx	.098	1
10	MP2A	X	-112.39	5
11	MP2A	Z	-64.888	5
12	MP2A	Mx	.098	5
13	MP1A	X	-50.068	2.5
14	MP1A	Z	-28.907	2.5
15	MP1A	Mx	.024	2.5
16	MP1A	X	-50.068	3.5
17	MP1A	Z	-28.907	3.5
18	MP1A	Mx	.024	3.5
19	MP1A	X	-52.354	3
20	MP1A	Z	-30.227	3
21	MP1A	Mx	.041	3
22	MP2A	X	-46.616	3
23	MP2A	Z	-26.914	3
24	MP2A	Mx	.037	3
25	MP4A	X	-128.848	1
26	MP4A	Z	-74.39	1
27	MP4A	Mx	.061	1
28	MP4A	X	-128.848	5
29	MP4A	Z	-74.39	5
30	MP4A	Mx	.061	5
31	MP3A	Χ	-52.755	2.5
32	MP3A	Z	-30.458	2.5
33	MP3A	Mx	017	2.5
34	MP3A	Χ	-52.755	3.5
35	MP3A	Z	-30.458	3.5
36	MP3A	Mx	017	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-78.904	1
2	MP2A	Z	-136.666	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	053	1
4	MP2A	X	-78.904	5
5	MP2A	Z	-136.666	5
6	MP2A	Mx	053	5
7	MP2A	X	-78.904	1
8	MP2A	Z	-136.666	1
9	MP2A	Mx	.12	1
10	MP2A	X	-78.904	5
11	MP2A	Z	-136.666	5
12	MP2A	Mx	.12	5
13	MP1A	Χ	-43.545	2.5
14	MP1A	Z	-75.422	2.5
15	MP1A	Mx	.018	2.5
16	MP1A	X	-43.545	3.5
17	MP1A	Z	-75.422	3.5
18	MP1A	Mx	.018	3.5
19	MP1A	X	-36.573	3
20	MP1A	Z	-63.347	3
21	MP1A	Mx	.026	3
22	MP2A	Χ	-35.692	3
23	MP2A	Z	-61.82	3
24	MP2A	Mx	.025	3
25	MP4A	X	-90.205	1
26	MP4A	Z	-156.24	1
27	MP4A	Mx	.038	1
28	MP4A	X	-90.205	5
29	MP4A	Z	-156.24	5
30	MP4A	Mx	.038	5
31	MP3A	Χ	-37.017	2.5
32	MP3A	Z	-64.114	2.5
33	MP3A	Mx	01	2.5
34	MP3A	Χ	-37.017	3.5
35	MP3A	Z	-64.114	3.5
36	MP3A	Mx	01	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-34.316	1
3	MP2A	Mx	022	1
4	MP2A	X	0	5
5	MP2A	Z	-34.316	5
6	MP2A	Mx	022	5
7	MP2A	X	0	1
8	MP2A	Z	-34.316	1
9	MP2A	Mx	.019	1
10	MP2A	X	0	5
11	MP2A	Z	-34.316	5
12	MP2A	Mx	.019	5
13	MP1A	X	0	2.5
14	MP1A	Z	-20.6	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1A	Mx	000898	2.5
16	MP1A	X	0	3.5
17	MP1A	Z	-20.6	3.5
18	MP1A	Mx	000898	3.5
19	MP1A	X	0	3
20	MP1A	Z	-17.891	3
21	MP1A	Mx	001	3
22	MP2A	X	0	3
23	MP2A	Z	-17.876	3
24	MP2A	Mx	001	3
25	MP4A	X	0	1
26	MP4A	Z	-39.003	1
27	MP4A	Mx	002	1
28	MP4A	X	0	5
29	MP4A	Z	-39.003	5
30	MP4A	Mx	002	5
31	MP3A	X	0	2.5
32	MP3A	Z	-16.831	2.5
33	MP3A	Mx	.000489	2.5
34	MP3A	Χ	0	3.5
35	MP3A	Z	-16.831	3.5
36	MP3A	Mx	.000489	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	15.518	1
2	MP2A	Z	-26.879	1
3	MP2A	Mx	024	1
4	MP2A	X	15.518	5
5	MP2A	Z	-26.879	5
6	MP2A	Mx	024	5
7	MP2A	X	15.518	1
8	MP2A	Z	-26.879	1
9	MP2A	Mx	.006	1
10	MP2A	X	15.518	5
11	MP2A	Z	-26.879	5
12	MP2A	Mx	.006	5
13	MP1A	X	8.453	2.5
14	MP1A	Z	-14.642	2.5
15	MP1A	Mx	005	2.5
16	MP1A	X	8.453	3.5
17	MP1A	Z	-14.642	3.5
18	MP1A	Mx	005	3.5
19	MP1A	X	8.108	3
20	MP1A	Z	-14.044	3
21	MP1A	Mx	008	3
22	MP2A	X	7.783	3
23	MP2A	Z	-13.48	3
24	MP2A	Mx	007	3
25	MP4A	Χ	17.644	1
26	MP4A	Z	-30.561	1

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Model Name : 468160-VZW_MT_LOT_SectorA_H

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP4A	Mx	01	1
28	MP4A	X	17.644	5
29	MP4A	Z	-30.561	5
30	MP4A	Mx	01	5
31	MP3A	X	7.594	2.5
32	MP3A	Z	-13.154	2.5
33	MP3A	Mx	.003	2.5
34	MP3A	X	7.594	3.5
35	MP3A	Z	-13.154	3.5
36	MP3A	Mx	.003	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X Z	22.529	1
2	MP2A	Z	-13.007	1
3	MP2A	Mx	018	1
4	MP2A	X	22.529	5
5	MP2A	Z	-13.007	5
6	MP2A	Mx	018	5
7	MP2A	X Z	22.529	1
8	MP2A	Z	-13.007	1
9	MP2A	Mx	005	1
10	MP2A	X	22.529	5
11	MP2A	Z	-13.007	5
12	MP2A	Mx	005	5
13	MP1A	X Z	9.742	2.5
14	MP1A	Z	-5.624	2.5
15	MP1A	Mx	005	2.5
16	MP1A	X	9.742	3.5
17	MP1A	Z	-5.624	3.5
18	MP1A	Mx	005	3.5
19	MP1A	X	11.823	3
20	MP1A	Z	-6.826	3
21	MP1A	Mx	01	3
22	MP2A	X	10.414	3
23	MP2A	Z	-6.013	3
24	MP2A	Mx	009	3
25	MP4A	X	25.631	1
26	MP4A	Z	-14.798	1
27	MP4A	Mx	013	1
28	MP4A	X	25.631	5
29	MP4A	Z	-14.798	5
30	MP4A	Mx	013	5
31	MP3A	X	10.975	2.5
32	MP3A	Z	-6.337	2.5
33	MP3A	Mx	.004	2.5
34	MP3A	X	10.975	3.5
35	MP3A	Z	-6.337	3.5
36	MP3A	Mx	.004	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	24.269	1
2	MP2A	Z	0	1
3	MP2A	Mx	011	1
4	MP2A	X	24.269	5
5	MP2A	Z	0	5
6	MP2A	Mx	011	5
7	MP2A	X	24.269	1
8	MP2A	Z	0	1
9	MP2A	Mx	013	1
10	MP2A	X	24.269	5
11	MP2A	Z	0	5
12	MP2A	Mx	013	5
13	MP1A	X	9.284	2.5
14	MP1A	Z	0	2.5
15	MP1A	Mx	005	2.5
16	MP1A	X	9.284	3.5
17	MP1A	Z	0	3.5
18	MP1A	Mx	005	3.5
19	MP1A	X	12.761	3
20	MP1A	Z	0	3
21	MP1A	Mx	011	3
22	MP2A	X	10.796	3
23	MP2A	Z	0	3
24	MP2A	Mx	009	3
25	MP4A	X	27.62	1
26	MP4A	Z	0	1
27	MP4A	Mx	014	1
28	MP4A	X	27.62	5
29	MP4A	Z	0	5
30	MP4A	Mx	014	5
31	MP3A	X	11.799	2.5
32	MP3A	Z	0	2.5
33	MP3A	Mx	.004	2.5
34	MP3A	Χ	11.799	3.5
35	MP3A	Z	0	3.5
36	MP3A	Mx	.004	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	23.857	1
2	MP2A	Z	13.774	1
3	MP2A	Mx	002	1
4	MP2A	X	23.857	5
5	MP2A	Z	13.774	5
6	MP2A	Mx	002	5
7	MP2A	X	23.857	1
8	MP2A	Z	13.774	1
9	MP2A	Mx	021	1
10	MP2A	X	23.857	5
11	MP2A	Z	13.774	5
12	MP2A	Mx	021	5

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: 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:___

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1A	Χ	11.238	2.5
14	MP1A	Z	6.488	2.5
15	MP1A	Mx	005	2.5
16	MP1A	Χ	11.238	3.5
17	MP1A	Z	6.488	3.5
18	MP1A	Mx	005	3.5
19	MP1A	Χ	12.501	3
20	MP1A	Z	7.218	3
21	MP1A	Mx	01	3
22	MP2A	Χ	11.351	3
23	MP2A	Z	6.553	3
24	MP2A	Mx	009	3
25	MP4A	Χ	27.137	1
26	MP4A	Z	15.667	1
27	MP4A	Mx	013	1
28	MP4A	X	27.137	5
29	MP4A	Z	15.667	5
30	MP4A	Mx	013	5
31	MP3A	X	11.641	2.5
32	MP3A	Z	6.721	2.5
33	MP3A	Mx	.004	2.5
34	MP3A	Χ	11.641	3.5
35	MP3A	Z	6.721	3.5
36	MP3A	Mx	.004	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	16.286	1
2	MP2A	Z	28.207	1
3	MP2A	Mx	.011	1
4	MP2A	X	16.286	5
5	MP2A	Z	28.207	5
6	MP2A	Mx	.011	5
7	MP2A	X	16.286	1
8	MP2A	Z	28.207	1
9	MP2A	Mx	025	1
10	MP2A	X	16.286	5
11	MP2A	Z	28.207	5
12	MP2A	Mx	025	5
13	MP1A	X	9.317	2.5
14	MP1A	Z	16.138	2.5
15	MP1A	Mx	004	2.5
16	MP1A	X	9.317	3.5
17	MP1A	Z	16.138	3.5
18	MP1A	Mx	004	3.5
19	MP1A	X	8.5	3
20	MP1A	Z	14.723	3
21	MP1A	Mx	006	3
22	MP2A	X	8.323	3
23	MP2A	Z	14.417	3
24	MP2A	Mx	006	3

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: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:___

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP4A	X	18.513	1
26	MP4A	Z	32.066	1
27	MP4A	Mx	008	1
28	MP4A	X	18.513	5
29	MP4A	Z	32.066	5
30	MP4A	Mx	008	5
31	MP3A	X	7.979	2.5
32	MP3A	Z	13.819	2.5
33	MP3A	Mx	.002	2.5
34	MP3A	X	7.979	3.5
35	MP3A	Z	13.819	3.5
36	MP3A	Mx	.002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	34.316	1
3	MP2A	Mx	.022	1
4	MP2A	X	0	5
5	MP2A	Z	34.316	5
6	MP2A	Mx	.022	5
7	MP2A	X	0	1
8	MP2A	Z	34.316	1
9	MP2A	Mx	019	1
10	MP2A	X	0	5
11	MP2A	Z	34.316	5
12	MP2A	Mx	019	5
13	MP1A	X	0	2.5
14	MP1A	Z	20.6	2.5
15	MP1A	Mx	.000898	2.5
16	MP1A	X	0	3.5
17	MP1A	Z	20.6	3.5
18	MP1A	Mx	.000898	3.5
19	MP1A	X	0	3
20	MP1A	Z	17.891	3
21	MP1A	Mx	.001	3
22	MP2A	X	0	3
23	MP2A	Z	17.876	3
24	MP2A	Mx	.001	3
25	MP4A	X	0	1
26	MP4A	Z	39.003	1
27	MP4A	Mx	.002	1
28	MP4A	X	0	5
29	MP4A	Z	39.003	5
30	MP4A	Mx	.002	5
31	MP3A	X	0	2.5
32	MP3A	Z	16.831	2.5
33	MP3A	Mx	000489	2.5
34	MP3A	X	0	3.5
35	MP3A	Z	16.831	3.5
36	MP3A	Mx	000489	3.5

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: 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:__

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-15.518	1
2	MP2A	Z	26.879	1
3	MP2A	Mx	.024	1
4	MP2A	X	-15.518	5
5	MP2A	Z	26.879	5
6	MP2A	Mx	.024	5
7	MP2A	X	-15.518	1
8	MP2A	Z	26.879	1
9	MP2A	Mx	006	1
10	MP2A	X	-15.518	5
11	MP2A	Z	26.879	5
12	MP2A	Mx	006	5
13	MP1A	X	-8.453	2.5
14	MP1A	Z	14.642	2.5
15	MP1A	Mx	.005	2.5
16	MP1A	X	-8.453	3.5
17	MP1A	Z	14.642	3.5
18	MP1A	Mx	.005	3.5
19	MP1A	X	-8.108	3
20	MP1A	Z	14.044	3
21	MP1A	Mx	.008	3
22	MP2A	X	-7.783	3
23	MP2A	Z	13.48	3
24	MP2A	Mx	.007	3
25	MP4A	X	-17.644	1
26	MP4A	Z	30.561	1
27	MP4A	Mx	.01	1
28	MP4A	X	-17.644	5
29	MP4A	Z	30.561	5
30	MP4A	Mx	.01	5
31	MP3A	X	-7.594	2.5
32	MP3A	Z	13.154	2.5
33	MP3A	Mx	003	2.5
34	MP3A	X	-7.594	3.5
35	MP3A	Z	13.154	3.5
36	MP3A	Mx	003	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-22.529	1
2	MP2A	Z	13.007	1
3	MP2A	Mx	.018	1
4	MP2A	X	-22.529	5
5	MP2A	Z	13.007	5
6	MP2A	Mx	.018	5
7	MP2A	X	-22.529	1
8	MP2A	Z	13.007	1
9	MP2A	Mx	.005	1
10	MP2A	X	-22.529	5
11	MP2A	Z	13.007	5
12	MP2A	Mx	.005	5

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: 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:__

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1A	Χ	-9.742	2.5
14	MP1A	Z	5.624	2.5
15	MP1A	Mx	.005	2.5
16	MP1A	X	-9.742	3.5
17	MP1A	Z	5.624	3.5
18	MP1A	Mx	.005	3.5
19	MP1A	X	-11.823	3
20	MP1A	Z	6.826	3
21	MP1A	Mx	.01	3
22	MP2A	Χ	-10.414	3
23	MP2A	Z	6.013	3
24	MP2A	Mx	.009	3
25	MP4A	X	-25.631	1
26	MP4A	Z	14.798	1
27	MP4A	Mx	.013	1
28	MP4A	X	-25.631	5
29	MP4A	Z	14.798	5
30	MP4A	Mx	.013	5
31	MP3A	X	-10.975	2.5
32	MP3A	Z	6.337	2.5
33	MP3A	Mx	004	2.5
34	MP3A	X	-10.975	3.5
35	MP3A	Z	6.337	3.5
36	MP3A	Mx	004	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-24.269	1
2	MP2A	Z	0	1
3	MP2A	Mx	.011	1
4	MP2A	Χ	-24.269	5
5	MP2A	Z	0	5
6	MP2A	Mx	.011	5
7	MP2A	Χ	-24.269	1
8	MP2A	Z	0	1
9	MP2A	Mx	.013	1
10	MP2A	X	-24.269	5
11	MP2A	Z	0	5
12	MP2A	Mx	.013	5
13	MP1A	X	-9.284	2.5
14	MP1A	Z	0	2.5
15	MP1A	Mx	.005	2.5
16	MP1A	X	-9.284	3.5
17	MP1A	Z	0	3.5
18	MP1A	Mx	.005	3.5
19	MP1A	X	-12.761	3
20	MP1A	Z	0	3
21	MP1A	Mx	.011	3
22	MP2A	Χ	-10.796	3
23	MP2A	Z	0	3
24	MP2A	Mx	.009	3

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Job Number : Model Name : 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:___

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP4A	X	-27.62	1
26	MP4A	Z	0	1
27	MP4A	Mx	.014	1
28	MP4A	X	-27.62	5
29	MP4A	Z	0	5
30	MP4A	Mx	.014	5
31	MP3A	X	-11.799	2.5
32	MP3A	Z	0	2.5
33	MP3A	Mx	004	2.5
34	MP3A	X	-11.799	3.5
35	MP3A	Z	0	3.5
36	MP3A	Mx	004	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-23.857	1
2	MP2A	Z	-13.774	1
3	MP2A	Mx	.002	1
4	MP2A	X	-23.857	5
5	MP2A	Z	-13.774	5
6	MP2A	Mx	.002	5
7	MP2A	Χ	-23.857	1
8	MP2A	Z	-13.774	1
9	MP2A	Mx	.021	1
10	MP2A	Χ	-23.857	5
11	MP2A	Z	-13.774	5
12	MP2A	Mx	.021	5
13	MP1A	X	-11.238	2.5
14	MP1A	Z	-6.488	2.5
15	MP1A	Mx	.005	2.5
16	MP1A	X	-11.238	3.5
17	MP1A	Z	-6.488	3.5
18	MP1A	Mx	.005	3.5
19	MP1A	X	-12.501	3
20	MP1A	Z	-7.218	3
21	MP1A	Mx	.01	3
22	MP2A	X	-11.351	3
23	MP2A	Z	-6.553	3
24	MP2A	Mx	.009	3
25	MP4A	X	-27.137	1
26	MP4A	Z	-15.667	1
27	MP4A	Mx	.013	1
28	MP4A	Χ	-27.137	5
29	MP4A	Z	-15.667	5
30	MP4A	Mx	.013	5
31	MP3A	Χ	-11.641	2.5
32	MP3A	Z	-6.721	2.5
33	MP3A	Mx	004	2.5
34	MP3A	X	-11.641	3.5
35	MP3A	Z	-6.721	3.5
36	MP3A	Mx	004	3.5

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: 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:__

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-16.286	1
2	MP2A	Z	-28.207	1
3	MP2A	Mx	011	1
4	MP2A	X	-16.286	5
5	MP2A	Z	-28.207	5
6	MP2A	Mx	011	5
7	MP2A	X	-16.286	1
8	MP2A	Z	-28.207	1
9	MP2A	Mx	.025	1
10	MP2A	X	-16.286	5
11	MP2A	Z	-28.207	5
12	MP2A	Mx	.025	5
13	MP1A	X	-9.317	2.5
14	MP1A	Z	-16.138	2.5
15	MP1A	Mx	.004	2.5
16	MP1A	X	-9.317	3.5
17	MP1A	Z	-16.138	3.5
18	MP1A	Mx	.004	3.5
19	MP1A	X	-8.5	3
20	MP1A	Z	-14.723	3
21	MP1A	Mx	.006	3
22	MP2A	X	-8.323	3
23	MP2A	Z	-14.417	3
24	MP2A	Mx	.006	3
25	MP4A	Х	-18.513	1
26	MP4A	Z	-32.066	1
27	MP4A	Mx	.008	1
28	MP4A	X	-18.513	5
29	MP4A	Z	-32.066	5
30	MP4A	Mx	.008	5
31	MP3A	X	-7.979	2.5
32	MP3A	Z	-13.819	2.5
33	MP3A	Mx	002	2.5
34	MP3A	X	-7.979	3.5
35	MP3A	Z	-13.819	3.5
36	MP3A	Mx	002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-10.648	1
3	MP2A	Mx	007	1
4	MP2A	X	0	5
5	MP2A	Z	-10.648	5
6	MP2A	Mx	007	5
7	MP2A	X	0	1
8	MP2A	Z	-10.648	1
9	MP2A	Mx	.006	1
10	MP2A	X	0	5
11	MP2A	Z	-10.648	5
12	MP2A	Mx	.006	5

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: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:___

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1A	X	0	2.5
14	MP1A	Z	-6.181	2.5
15	MP1A	Mx	000269	2.5
16	MP1A	X	0	3.5
17	MP1A	Z	-6.181	3.5
18	MP1A	Mx	000269	3.5
19	MP1A	X	0	3
20	MP1A	Z	-4.929	3
21	MP1A	Mx	000358	3
22	MP2A	X	0	3
23	MP2A	Z	-4.924	3
24	MP2A	Mx	000358	3
25	MP4A	X	0	1
26	MP4A	Z	-12.164	1
27	MP4A	Mx	00053	1
28	MP4A	X	0	5
29	MP4A	Z	-12.164	5
30	MP4A	Mx	00053	5
31	MP3A	X	0	2.5
32	MP3A	Z	-4.995	2.5
33	MP3A	Mx	.000145	2.5
34	MP3A	X	0	3.5
35	MP3A	Z	-4.995	3.5
36	MP3A	Mx	.000145	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.743	1
2	MP2A	Z	-8.215	1
3	MP2A	Mx	007	1
4	MP2A	X	4.743	5
5	MP2A	Z	-8.215	5
6	MP2A	Mx	007	5
7	MP2A	X	4.743	1
8	MP2A	Z	-8.215	1
9	MP2A	Mx	.002	1
10	MP2A	X	4.743	5
11	MP2A	Z	-8.215	5
12	MP2A	Mx	.002	5
13	MP1A	X	2.483	2.5
14	MP1A	Z	-4.301	2.5
15	MP1A	Mx	001	2.5
16	MP1A	X	2.483	3.5
17	MP1A	Z	-4.301	3.5
18	MP1A	Mx	001	3.5
19	MP1A	X	2.201	3
20	MP1A	Z	-3.813	3
21	MP1A	Mx	002	3
22	MP2A	X	2.098	3
23	MP2A	Z	-3.634	3
24	MP2A	Mx	002	3

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: 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:___

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP4A	X	5.426	1
26	MP4A	Z	-9.398	1
27	MP4A	Mx	003	1
28	MP4A	X	5.426	5
29	MP4A	Z	-9.398	5
30	MP4A	Mx	003	5
31	MP3A	X	2.225	2.5
32	MP3A	Z	-3.854	2.5
33	MP3A	Mx	.000851	2.5
34	MP3A	X	2.225	3.5
35	MP3A	Z	-3.854	3.5
36	MP3A	Mx	.000851	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.672	1
2	MP2A	Z	-3.852	1
3	MP2A	Mx	005	1
4	MP2A	X	6.672	5
5	MP2A	Z	-3.852	5
6	MP2A	Mx	005	5
7	MP2A	X	6.672	1
8	MP2A	Z	-3.852	1
9	MP2A	Mx	002	1
10	MP2A	X	6.672	5
11	MP2A	Z	-3.852	5
12	MP2A	Mx	002	5
13	MP1A	X	2.69	2.5
14	MP1A	Z	-1.553	2.5
15	MP1A	Mx	001	2.5
16	MP1A	X	2.69	3.5
17	MP1A	Z	-1.553	3.5
18	MP1A	Mx	001	3.5
19	MP1A	X	3.114	3
20	MP1A	Z	-1.798	3
21	MP1A	Mx	003	3
22	MP2A	X	2.668	3
23	MP2A	Z	-1.54	3
24	MP2A	Mx	002	3
25	MP4A	X	7.657	1
26	MP4A	Z	-4.421	1
27	MP4A	Mx	004	1
28	MP4A	X	7.657	5
29	MP4A	Z	-4.421	5
30	MP4A	Mx	004	5
31	MP3A	X	3.132	2.5
32	MP3A	Z	-1.808	2.5
33	MP3A	Mx	.001	2.5
34	MP3A	X	3.132	3.5
35	MP3A	Z	-1.808	3.5
36	MP3A	Mx	.001	3.5

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: 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:__

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.085	1
2	MP2A	Z	0	1
3	MP2A	Mx	003	1
4	MP2A	X	7.085	5
5	MP2A	Z	0	5
6	MP2A	Mx	003	5
7	MP2A	X	7.085	1
8	MP2A	Z	0	1
9	MP2A	Mx	004	1
10	MP2A	X	7.085	5
11	MP2A	Z	0	5
12	MP2A	Mx	004	5
13	MP1A	X	2.46	2.5
14	MP1A	Z	0	2.5
15	MP1A	Mx	001	2.5
16	MP1A	X	2.46	3.5
17	MP1A	Z	0	3.5
18	MP1A	Mx	001	3.5
19	MP1A	Χ	3.316	3
20	MP1A	Z	0	3
21	MP1A	Mx	003	3
22	MP2A	Χ	2.693	3
23	MP2A	Z	0	3
24	MP2A	Mx	002	3
25	MP4A	X	8.144	1
26	MP4A	Z	0	1
27	MP4A	Mx	004	1
28	MP4A	Χ	8.144	5
29	MP4A	Z	0	5
30	MP4A	Mx	004	5
31	MP3A	Χ	3.327	2.5
32	MP3A	Z	0	2.5
33	MP3A	Mx	.001	2.5
34	MP3A	X	3.327	3.5
35	MP3A	Z	0	3.5
36	MP3A	Mx	.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.143	1
2	MP2A	Z	4.124	1
3	MP2A	Mx	00052	1
4	MP2A	X	7.143	5
5	MP2A	Z	4.124	5
6	MP2A	Mx	00052	5
7	MP2A	X	7.143	1
8	MP2A	Z	4.124	1
9	MP2A	Mx	006	1
10	MP2A	X	7.143	5
11	MP2A	Z	4.124	5
12	MP2A	Mx	006	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1A	X	3.182	2.5
14	MP1A	Z	1.837	2.5
15	MP1A	Mx	002	2.5
16	MP1A	X	3.182	3.5
17	MP1A	Z	1.837	3.5
18	MP1A	Mx	002	3.5
19	MP1A	X	3.327	3
20	MP1A	Z	1.921	3
21	MP1A	Mx	003	3
22	MP2A	X	2.963	3
23	MP2A	Z	1.71	3
24	MP2A	Mx	002	3
25	MP4A	X	8.189	1
26	MP4A	Z	4.728	1
27	MP4A	Mx	004	1
28	MP4A	X	8.189	5
29	MP4A	Z	4.728	5
30	MP4A	Mx	004	5
31	MP3A	X	3.353	2.5
32	MP3A	Z	1.936	2.5
33	MP3A	Mx	.001	2.5
34	MP3A	X	3.353	3.5
35	MP3A	Z	1.936	3.5
36	MP3A	Mx	.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.015	1
2	MP2A	Z	8.686	1
3	MP2A	Mx	.003	1
4	MP2A	X	5.015	5
5	MP2A	Z	8.686	5
6	MP2A	Mx	.003	5
7	MP2A	Χ	5.015	1
8	MP2A	Z	8.686	1
9	MP2A	Mx	008	1
10	MP2A	X	5.015	5
11	MP2A	Z	8.686	5
12	MP2A	Mx	008	5
13	MP1A	X	2.767	2.5
14	MP1A	Z	4.793	2.5
15	MP1A	Mx	001	2.5
16	MP1A	Χ	2.767	3.5
17	MP1A	Z	4.793	3.5
18	MP1A	Mx	001	3.5
19	MP1A	X	2.324	3
20	MP1A	Z	4.026	3
21	MP1A	Mx	002	3
22	MP2A	X	2.268	3
23	MP2A	Z	3.929	3
24	MP2A	Mx	002	3

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Model Name : 468160-VZW_MT_LOT_SectorA_H

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP4A	X	5.733	1
26	MP4A	Z	9.93	1
27	MP4A	Mx	002	1
28	MP4A	X	5.733	5
29	MP4A	Z	9.93	5
30	MP4A	Mx	002	5
31	MP3A	X	2.353	2.5
32	MP3A	Z	4.075	2.5
33	MP3A	Mx	.000663	2.5
34	MP3A	X	2.353	3.5
35	MP3A	Z	4.075	3.5
36	MP3A	Mx	.000663	3.5

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

1 MP2A Z 10.648 1 2 MP2A Z 10.648 1 3 MP2A Mx .007 1 4 MP2A X 0 5 5 MP2A X 0 5 6 MP2A X 0 1 7 MP2A X 0 1 9 MP2A X 0 1 9 MP2A X 0 5 10 MP2A X 0 5 11 MP2A X 0 5 12 MP2A X 0 5 12 MP2A X 0 2.5 13 MP1A X 0 2.5 14 MP1A X 0 2.5 15 MP1A X 0 3.5 16 MP1A X 0 3.5 17		Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3 MP2A Mx .007 1 4 MP2A X 0 5 5 MP2A Z 10.648 5 6 MP2A Mx .007 5 7 MP2A Mx .007 5 7 MP2A X 0 1 9 MP2A Z 10.648 1 10 MP2A X 0 5 11 MP2A X 0 5 11 MP2A Z 10.648 5 12 MP2A X 0 5 11 MP2A Z 10.648 5 12 MP2A X 0 2.5 13 MP1A X 0 2.5 14 MP1A X 0 2.5 15 MP1A Mx .000269 2.5 16 MP1A X 0 3.5 </td <td>_</td> <td>MP2A</td> <td>X</td> <td>0</td> <td>1</td>	_	MP2A	X	0	1
4 MP2A X 0 5 5 MP2A Z 10.648 5 6 MP2A Mx 007 5 7 MP2A X 0 1 8 MP2A Z 10.648 1 9 MP2A MX -006 1 10 MP2A X 0 5 11 MP2A X 0 5 11 MP2A X 0 5 12 MP2A Mx -006 5 13 MP1A X 0 2.5 14 MP1A X 0 2.5 14 MP1A X 0 3.5 15 MP1A Mx .000269 2.5 16 MP1A X 0 3.5 17 MP1A X 0 3.5 18 MP1A Mx .000269 3.5 <		MP2A			1
5 MP2A Z 10.648 5 6 MP2A Mx .007 5 7 MP2A X 0 1 8 MP2A Z 10.648 1 9 MP2A Mx 006 1 10 MP2A X 0 5 11 MP2A X 0 5 12 MP2A Mx 006 5 12 MP2A Mx 006 5 13 MP1A X 0 2.5 14 MP1A X 0 3.5 15 MP1A X 0 3.5 15 MP1A X 0 3.5 16 MP1A X 0 3.5 17 MP1A X 0 3 20 MP1A X 0 3 20 MP1A X 0 3				.007	1
6 MP2A Mx .007 5 7 MP2A X 0 1 8 MP2A Z 10.648 1 9 MP2A Mx 006 1 10 MP2A X 0 5 11 MP2A Z 10.648 5 12 MP2A Mx 006 5 13 MP1A X 0 2.5 14 MP1A X 0 2.5 14 MP1A X 0 3.5 15 MP1A X 0 3.5 17 MP1A X 0 3.5 17 MP1A X 0 3.5 18 MP1A X 0 3 20 MP1A X 0 3 21 MP1A X 0 3 22 MP2A X 0 3 <t< td=""><td>4</td><td></td><td>X</td><td></td><td></td></t<>	4		X		
7 MP2A X 0 1 8 MP2A Z 10.648 1 9 MP2A Mx 006 1 10 MP2A X 0 5 11 MP2A X 0 5 11 MP2A MX 006 5 12 MP2A MX 006 5 13 MP1A X 0 2.5 14 MP1A X 0 2.5 14 MP1A X 0 3.5 15 MP1A MX .000269 2.5 16 MP1A X 0 3.5 17 MP1A X 0 3.5 18 MP1A X 0 3 20 MP1A X 0 3 21 MP1A X 0 3 22 MP2A X 0 3	5	MP2A		10.648	
9 MP2A Mx 006 1 10 MP2A X 0 5 11 MP2A Z 10.648 5 12 MP2A Mx 006 5 13 MP1A X 0 2.5 14 MP1A Z 6.181 2.5 15 MP1A Mx .000269 2.5 16 MP1A X 0 3.5 17 MP1A X 0 3.5 18 MP1A Mx .000269 3.5 19 MP1A X 0 3 20 MP1A X 0 3 20 MP1A X 0 3 21 MP1A X 0 3 22 MP2A X 0 3 23 MP2A X 0 3 24 MP2A X 0 1	6	MP2A		.007	5
9 MP2A Mx 006 1 10 MP2A X 0 5 11 MP2A Z 10.648 5 12 MP2A Mx 006 5 13 MP1A X 0 2.5 14 MP1A Z 6.181 2.5 15 MP1A Mx .000269 2.5 16 MP1A X 0 3.5 17 MP1A X 0 3.5 18 MP1A Mx .000269 3.5 19 MP1A X 0 3 20 MP1A X 0 3 20 MP1A X 0 3 21 MP1A X 0 3 22 MP2A X 0 3 23 MP2A X 0 3 24 MP2A X 0 1		MP2A	X	0	1
10 MP2A X 0 5 11 MP2A Z 10.648 5 12 MP2A Mx 006 5 13 MP1A X 0 2.5 14 MP1A Z 6.181 2.5 15 MP1A Mx .000269 2.5 16 MP1A X 0 3.5 17 MP1A Z 6.181 3.5 18 MP1A Mx .000269 3.5 19 MP1A X 0 3 20 MP1A X 0 3 21 MP1A X 0 3 21 MP1A X 0 3 22 MP2A X 0 3 23 MP2A X 0 3 24 MP2A X 0 1 25 MP4A X 0 1		MP2A		10.648	1
11 MP2A Z 10.648 5 12 MP2A Mx 006 5 13 MP1A X 0 2.5 14 MP1A Z 6.181 2.5 15 MP1A Mx .000269 2.5 16 MP1A X 0 3.5 17 MP1A Z 6.181 3.5 18 MP1A Mx .000269 3.5 19 MP1A X 0 3 20 MP1A X 0 3 20 MP1A X 0 3 21 MP1A X 0 3 21 MP1A X 0 3 22 MP2A X 0 3 23 MP2A X 0 3 24 MP2A X 0 1 26 MP4A X 0 1		MP2A		006	1
12 MP2A Mx 006 5 13 MP1A X 0 2.5 14 MP1A Z 6.181 2.5 15 MP1A Mx .000269 2.5 16 MP1A X 0 3.5 17 MP1A Z 6.181 3.5 18 MP1A Mx .000269 3.5 19 MP1A X 0 3 20 MP1A X 0 3 21 MP1A X 0 3 21 MP1A Mx .000358 3 22 MP2A X 0 3 23 MP2A X 0 3 24 MP2A X 0 1 24 MP2A X 0 1 26 MP4A X 0 1 26 MP4A X 0 5	10	MP2A	X	0	
13 MP1A X 0 2.5 14 MP1A Z 6.181 2.5 15 MP1A Mx .000269 2.5 16 MP1A X 0 3.5 17 MP1A Z 6.181 3.5 18 MP1A Mx .000269 3.5 19 MP1A X 0 3 20 MP1A X 0 3 21 MP1A Mx .000358 3 21 MP1A Mx .000358 3 22 MP2A X 0 3 23 MP2A X 0 3 24 MP2A X 0 3 25 MP4A X 0 1 26 MP4A X 0 1 27 MP4A X 0 5 29 MP4A X 0 5		MP2A		10.648	
14 MP1A Z 6.181 2.5 15 MP1A Mx .000269 2.5 16 MP1A X 0 3.5 17 MP1A Z 6.181 3.5 18 MP1A Mx .000269 3.5 19 MP1A X 0 3 20 MP1A X 0 3 20 MP1A X 0 3 21 MP1A Mx .000358 3 22 MP2A X 0 3 23 MP2A X 0 3 24 MP2A X 0 3 24 MP2A X 0 1 26 MP4A X 0 1 26 MP4A X 0 1 26 MP4A X 0 5 29 MP4A X 0 5					
15 MP1A Mx .000269 2.5 16 MP1A X 0 3.5 17 MP1A Z 6.181 3.5 18 MP1A Mx .000269 3.5 19 MP1A X 0 3 20 MP1A X 0 3 21 MP1A Mx .000358 3 22 MP2A X 0 3 23 MP2A X 0 3 24 MP2A X 0 3 24 MP2A X 0 1 26 MP4A X 0 1 26 MP4A X 0 1 27 MP4A X 0 5 29 MP4A X 0 5 29 MP4A X 0 5 30 MP4A X 0 2.5		MP1A	X		
16 MP1A X 0 3.5 17 MP1A Z 6.181 3.5 18 MP1A MX .000269 3.5 19 MP1A X 0 3 20 MP1A Z 4.929 3 21 MP1A MX .000358 3 21 MP2A X 0 3 23 MP2A X 0 3 24 MP2A X 0 3 25 MP4A X 0 1 26 MP4A X 0 1 26 MP4A X 0 5 29 MP4A X 0 5 29 MP4A X 0 5 29 MP4A X 0 5 30 MP4A X 0 2.5 31 MP3A X 0 2.5 <t< td=""><td></td><td>MP1A</td><td>Z</td><td></td><td></td></t<>		MP1A	Z		
17 MP1A Z 6.181 3.5 18 MP1A Mx .000269 3.5 19 MP1A X 0 3 20 MP1A X 0 3 21 MP1A Mx .000358 3 22 MP2A X 0 3 23 MP2A X 0 3 24 MP2A X 0 3 25 MP4A X 0 1 26 MP4A X 0 1 26 MP4A X 0 5 27 MP4A X 0 5 28 MP4A X 0 5 29 MP4A X 0 5 29 MP4A X 0 5 30 MP4A X 0 2.5 31 MP3A X 0 2.5	15	MP1A	Mx	.000269	2.5
18 MP1A Mx .000269 3.5 19 MP1A X 0 3 20 MP1A Z 4.929 3 21 MP1A Mx .000358 3 22 MP2A X 0 3 23 MP2A Z 4.924 3 24 MP2A Mx .000358 3 25 MP4A X 0 1 26 MP4A Z 12.164 1 27 MP4A Mx .00053 1 28 MP4A X 0 5 29 MP4A X 0 5 29 MP4A X 0 5 30 MP4A X 0 2.5 31 MP3A X 0 2.5 32 MP3A X 0 2.5 34 MP3A X 0 3.5 <td>16</td> <td>MP1A</td> <td>X</td> <td></td> <td>3.5</td>	16	MP1A	X		3.5
19 MP1A X 0 3 20 MP1A Z 4.929 3 21 MP1A Mx .000358 3 22 MP2A X 0 3 23 MP2A Z 4.924 3 24 MP2A Mx .000358 3 25 MP4A X 0 1 26 MP4A Z 12.164 1 27 MP4A Mx .00053 1 28 MP4A X 0 5 29 MP4A X 0 5 29 MP4A X 0 5 31 MP4A X 0 2.5 32 MP3A X 0 2.5 33 MP3A X 0 3.5 34 MP3A X 0 3.5 35 MP3A X 0 3.5 <	17	MP1A	Z	6.181	3.5
20 MP1A Z 4.929 3 21 MP1A Mx .000358 3 22 MP2A X 0 3 23 MP2A Z 4.924 3 24 MP2A Mx .000358 3 25 MP4A X 0 1 26 MP4A Z 12.164 1 27 MP4A Mx .00053 1 28 MP4A X 0 5 29 MP4A X 0 5 30 MP4A X 0 5 31 MP3A X 0 2.5 32 MP3A X 0 2.5 33 MP3A X 0 3.5 34 MP3A X 0 3.5 35 MP3A Z 4.995 3.5	18	MP1A	Mx	.000269	3.5
21 MP1A Mx .000358 3 22 MP2A X 0 3 23 MP2A Z 4.924 3 24 MP2A Mx .000358 3 25 MP4A X 0 1 26 MP4A Z 12.164 1 27 MP4A Mx .00053 1 28 MP4A X 0 5 29 MP4A Z 12.164 5 30 MP4A Mx .00053 5 31 MP3A X 0 2.5 32 MP3A X 0 2.5 33 MP3A Mx 000145 2.5 34 MP3A X 0 3.5 35 MP3A Z 4.995 3.5	19	MP1A	X		
22 MP2A X 0 3 23 MP2A Z 4.924 3 24 MP2A Mx .000358 3 25 MP4A X 0 1 26 MP4A Z 12.164 1 27 MP4A Mx .00053 1 28 MP4A X 0 5 29 MP4A Z 12.164 5 30 MP4A Mx .00053 5 31 MP3A X 0 2.5 32 MP3A X 0 2.5 33 MP3A Mx 000145 2.5 34 MP3A X 0 3.5 35 MP3A Z 4.995 3.5	20	MP1A	Z	4.929	3
23 MP2A Z 4.924 3 24 MP2A Mx .000358 3 25 MP4A X 0 1 26 MP4A Z 12.164 1 27 MP4A Mx .00053 1 28 MP4A X 0 5 29 MP4A Z 12.164 5 30 MP4A X 0 5 31 MP3A X 0 2.5 32 MP3A Z 4.995 2.5 33 MP3A Mx 000145 2.5 34 MP3A X 0 3.5 35 MP3A Z 4.995 3.5	21	MP1A		.000358	
24 MP2A Mx .000358 3 25 MP4A X 0 1 26 MP4A Z 12.164 1 27 MP4A Mx .00053 1 28 MP4A X 0 5 29 MP4A Z 12.164 5 30 MP4A Mx .00053 5 31 MP3A X 0 2.5 32 MP3A Z 4.995 2.5 33 MP3A Mx 000145 2.5 34 MP3A X 0 3.5 35 MP3A Z 4.995 3.5	22	MP2A	X		3
25 MP4A X 0 1 26 MP4A Z 12.164 1 27 MP4A Mx .00053 1 28 MP4A X 0 5 29 MP4A Z 12.164 5 30 MP4A Mx .00053 5 31 MP3A X 0 2.5 32 MP3A Z 4.995 2.5 33 MP3A Mx 000145 2.5 34 MP3A X 0 3.5 35 MP3A Z 4.995 3.5	23	MP2A	Z	4.924	
26 MP4A Z 12.164 1 27 MP4A Mx .00053 1 28 MP4A X 0 5 29 MP4A Z 12.164 5 30 MP4A Mx .00053 5 31 MP3A X 0 2.5 32 MP3A Z 4.995 2.5 33 MP3A Mx 000145 2.5 34 MP3A X 0 3.5 35 MP3A Z 4.995 3.5	24	MP2A		.000358	3
27 MP4A Mx .00053 1 28 MP4A X 0 5 29 MP4A Z 12.164 5 30 MP4A Mx .00053 5 31 MP3A X 0 2.5 32 MP3A Z 4.995 2.5 33 MP3A Mx 000145 2.5 34 MP3A X 0 3.5 35 MP3A Z 4.995 3.5	25	MP4A	X	0	1
28 MP4A X 0 5 29 MP4A Z 12.164 5 30 MP4A Mx .00053 5 31 MP3A X 0 2.5 32 MP3A Z 4.995 2.5 33 MP3A Mx 000145 2.5 34 MP3A X 0 3.5 35 MP3A Z 4.995 3.5	26	MP4A	Z	12.164	1
29 MP4A Z 12.164 5 30 MP4A Mx .00053 5 31 MP3A X 0 2.5 32 MP3A Z 4.995 2.5 33 MP3A Mx 000145 2.5 34 MP3A X 0 3.5 35 MP3A Z 4.995 3.5	27	MP4A		.00053	1
30 MP4A Mx .00053 5 31 MP3A X 0 2.5 32 MP3A Z 4.995 2.5 33 MP3A Mx 000145 2.5 34 MP3A X 0 3.5 35 MP3A Z 4.995 3.5	28	MP4A	X	0	5
31 MP3A X 0 2.5 32 MP3A Z 4.995 2.5 33 MP3A Mx 000145 2.5 34 MP3A X 0 3.5 35 MP3A Z 4.995 3.5		MP4A			
32 MP3A Z 4.995 2.5 33 MP3A Mx 000145 2.5 34 MP3A X 0 3.5 35 MP3A Z 4.995 3.5	30	MP4A		.00053	5
32 MP3A Z 4.995 2.5 33 MP3A Mx 000145 2.5 34 MP3A X 0 3.5 35 MP3A Z 4.995 3.5	31	MP3A	X	0	2.5
34 MP3A X 0 3.5 35 MP3A Z 4.995 3.5		MP3A	Z	4.995	
35 MP3A Z 4.995 3.5	33	MP3A		000145	2.5
35 MP3A Z 4.995 3.5	34	MP3A	X	0	3.5
	35		Z	4.995	3.5
00 IVIT 0A IVIX000140 3.0	36	MP3A	Mx	000145	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X Z	-4.743	1
2	MP2A	Z	8.215	1
3	MP2A	Mx	.007	1
4	MP2A	X	-4.743	5
5	MP2A	Z	8.215	5
6	MP2A	Mx	.007	5
7	MP2A	X	-4.743	1
8	MP2A	Z	8.215	1
9	MP2A	Mx	002	1
10	MP2A	X	-4.743	5
11	MP2A	Z	8.215	5
12	MP2A	Mx	002	5
13	MP1A	X	-2.483	2.5
14	MP1A	Z	4.301	2.5
15	MP1A	Mx	.001	2.5
16	MP1A	X	-2.483	3.5
17	MP1A	Z	4.301	3.5
18	MP1A	Mx	.001	3.5
19	MP1A	X	-2.201	3
20	MP1A	Z	3.813	3
21	MP1A	Mx	.002	3
22	MP2A	X	-2.098	3
23	MP2A	Z	3.634	3
24	MP2A	Mx	.002	3
25	MP4A	X	-5.426	1
26	MP4A	Z	9.398	1
27	MP4A	Mx	.003	1
28	MP4A	X	-5.426	5
29	MP4A	Z	9.398	5
30	MP4A	Mx	.003	5
31	MP3A	X	-2.225	2.5
32	MP3A	Z	3.854	2.5
33	MP3A	Mx	000851	2.5
34	MP3A	Χ	-2.225	3.5
35	MP3A	Z	3.854	3.5
36	MP3A	Mx	000851	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.672	1
2	MP2A	Z	3.852	1
3	MP2A	Mx	.005	1
4	MP2A	X	-6.672	5
5	MP2A	Z	3.852	5
6	MP2A	Mx	.005	5
7	MP2A	X	-6.672	1
8	MP2A	Z	3.852	1
9	MP2A	Mx	.002	1
10	MP2A	X	-6.672	5
11	MP2A	Z	3.852	5
12	MP2A	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1A	X	-2.69	2.5
14	MP1A	Z	1.553	2.5
15	MP1A	Mx	.001	2.5
16	MP1A	X	-2.69	3.5
17	MP1A	Z	1.553	3.5
18	MP1A	Mx	.001	3.5
19	MP1A	X	-3.114	3
20	MP1A	Z	1.798	3
21	MP1A	Mx	.003	3
22	MP2A	X	-2.668	3
23	MP2A	Z	1.54	3
24	MP2A	Mx	.002	3
25	MP4A	X	-7.657	1
26	MP4A	Z	4.421	1
27	MP4A	Mx	.004	1
28	MP4A	X	-7.657	5
29	MP4A	Z	4.421	5
30	MP4A	Mx	.004	5
31	MP3A	X	-3.132	2.5
32	MP3A	Z	1.808	2.5
33	MP3A	Mx	001	2.5
34	MP3A	X	-3.132	3.5
35	MP3A	Z	1.808	3.5
36	MP3A	Mx	001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.085	1
2	MP2A	Z	0	1
3	MP2A	Mx	.003	1
4	MP2A	X	-7.085	5
5	MP2A	Z	0	5
6	MP2A	Mx	.003	5
7	MP2A	X	-7.085	1
8	MP2A	Z	0	1
9	MP2A	Mx	.004	1
10	MP2A	X	-7.085	5
11	MP2A	Z	0	5
12	MP2A	Mx	.004	5
13	MP1A	X	-2.46	2.5
14	MP1A	Z	0	2.5
15	MP1A	Mx	.001	2.5
16	MP1A	X	-2.46	3.5
17	MP1A	Z	0	3.5
18	MP1A	Mx	.001	3.5
19	MP1A	X	-3.316	3
20	MP1A	Z	0	3
21	MP1A	Mx	.003	3
22	MP2A	Χ	-2.693	3
23	MP2A	Z	0	3
24	MP2A	Mx	.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP4A	X	-8.144	1
26	MP4A	Z	0	1
27	MP4A	Mx	.004	1
28	MP4A	X	-8.144	5
29	MP4A	Z	0	5
30	MP4A	Mx	.004	5
31	MP3A	X	-3.327	2.5
32	MP3A	Z	0	2.5
33	MP3A	Mx	001	2.5
34	MP3A	X	-3.327	3.5
35	MP3A	Z	0	3.5
36	MP3A	Mx	001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.143	1
2	MP2A	Z	-4.124	1
3	MP2A	Mx	.00052	1
4	MP2A	Χ	-7.143	5
5	MP2A	Z	-4.124	5
6	MP2A	Mx	.00052	5
7	MP2A	Χ	-7.143	1
8	MP2A	Z	-4.124	1
9	MP2A	Mx	.006	1
10	MP2A	Χ	-7.143	5
11	MP2A	Z	-4.124	5
12	MP2A	Mx	.006	5
13	MP1A	Χ	-3.182	2.5
14	MP1A	Z	-1.837	2.5
15	MP1A	Mx	.002	2.5
16	MP1A	X	-3.182	3.5
17	MP1A	Z	-1.837	3.5
18	MP1A	Mx	.002	3.5
19	MP1A	Χ	-3.327	3
20	MP1A	Z	-1.921	3
21	MP1A	Mx	.003	3
22	MP2A	X	-2.963	3
23	MP2A	Z	-1.71	3
24	MP2A	Mx	.002	3
25	MP4A	X	-8.189	1
26	MP4A	Z	-4.728	1
27	MP4A	Mx	.004	1
28	MP4A	Χ	-8.189	5
29	MP4A	Z	-4.728	5
30	MP4A	Mx	.004	5
31	MP3A	Χ	-3.353	2.5
32	MP3A	Z	-1.936	2.5
33	MP3A	Mx	001	2.5
34	MP3A	Χ	-3.353	3.5
35	MP3A	Z	-1.936	3.5
36	MP3A	Mx	001	3.5



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Model Name : 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:__

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.015	1
2	MP2A	Z	-8.686	1
3	MP2A	Mx	003	1
4	MP2A	X	-5.015	5
5	MP2A	Z	-8.686	5
6	MP2A	Mx	003	5
7	MP2A	X	-5.015	1
8	MP2A	Z	-8.686	1
9	MP2A	Mx	.008	1
10	MP2A	X	-5.015	5
11	MP2A	Z	-8.686	5
12	MP2A	Mx	.008	5
13	MP1A	X	-2.767	2.5
14	MP1A	Z	-4.793	2.5
15	MP1A	Mx	.001	2.5
16	MP1A	X	-2.767	3.5
17	MP1A	Z	-4.793	3.5
18	MP1A	Mx	.001	3.5
19	MP1A	X	-2.324	3
20	MP1A	Z	-4.026	3
21	MP1A	Mx	.002	3
22	MP2A	X	-2.268	3
23	MP2A	Z	-3.929	3
24	MP2A	Mx	.002	3
25	MP4A	X	-5.733	1
26	MP4A	Z	-9.93	1
27	MP4A	Mx	.002	1
28	MP4A	X	-5.733	5
29	MP4A	Z	-9.93	5
30	MP4A	Mx	.002	5
31	MP3A	Χ	-2.353	2.5
32	MP3A	Z	-4.075	2.5
33	MP3A	Mx	000663	2.5
34	MP3A	X	-2.353	3.5
35	MP3A	Z	-4.075	3.5
36	MP3A	Mx	000663	3.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Υ	-500	%21

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Υ	-500	%93

Member Point Loads (BLC 79 : Lv1)

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



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Model Name : 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:___

Member Point Loads (BLC 80 : Lv2)

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

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	Υ	-8.777	-8.777	0	%100
2	M2	Υ	-8.777	-8.777	0	%100
3	MP2A	Y	-8.777	-8.777	0	%100
4	MP3A	Υ	-8.777	-8.777	0	%100
5	MP4A	Y	-8.777	-8.777	0	%100
6	M17	Υ	-13.305	-13.305	0	%100
7	M20	Y	-7.253	-7.253	0	%100
8	M19	Υ	-16.526	-16.526	0	%100
9	M20A	Y	-16.526	-16.526	0	%100
10	M21	Υ	-10.158	-10.158	0	%100
11	M22	Y	-10.158	-10.158	0	%100
12	M23	Υ	-8.052	-8.052	0	%100
13	M24	Υ	-8.052	-8.052	0	%100
14	M25	Υ	-16.526	-16.526	0	%100
15	M26	Υ	-16.526	-16.526	0	%100
16	MP1A	Υ	-8.777	-8.777	0	%100
17	M29	Υ	-11.25	-11.25	0	%100
18	M30	Υ	-11.25	-11.25	0	%100
19	M31	Υ	-7.253	-7.253	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	-9.875	-9.875	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-9.875	-9.875	0	%100
5	MP2A	Χ	0	0	0	%100
6	MP2A	Z	-9.875	-9.875	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-9.875	-9.875	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-9.875	-9.875	0	%100
11	M17	Χ	0	0	0	%100
12	M17	Z	-12.162	-12.162	0	%100
13	M20	X	0	0	0	%100
14	M20	Z	-1.038	-1.038	0	%100
15	M19	Χ	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20A	Χ	0	0	0	%100
18	M20A	Z	0	0	0	%100
19	M21	Χ	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	Χ	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	Χ	0	0	0	%100
24	M23	Z	0	0	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,%]
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	-9.875	- 9.875	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	-13.045	-13.045	0	%100
35	M30	Χ	0	0	0	%100
36	M30	Z	-13.045	-13.045	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	-2.115	-2.115	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	3.703	3.703	0	%100
2	M1	Z	-6.414	-6.414	0	%100
3	M2	X	3.703	3.703	0	%100
4	M2	Z	-6.414	-6.414	0	%100
5	MP2A	X	4.937	4.937	0	%100
6	MP2A	Z	-8.552	-8.552	0	%100
7	MP3A	X	4.937	4.937	0	%100
8	MP3A	Z	-8.552	-8.552	0	%100
9	MP4A	X	4.937	4.937	0	%100
10	MP4A	Z	-8.552	-8.552	0	%100
11	M17	X	6.081	6.081	0	%100
12	M17	Z	-10.533	-10.533	0	%100
13	M20	X	.054	.054	0	%100
14	M20	Z	093	093	0	%100
15	M19	Х	3.118	3.118	0	%100
16	M19	Z	-5.401	-5.401	0	%100
17	M20A	X	3.118	3.118	0	%100
18	M20A	Z	-5.401	-5.401	0	%100
19	M21	X	1.559	1.559	0	%100
20	M21	Z	-2.701	-2.701	0	%100
21	M22	X	1.559	1.559	0	%100
22	M22	Z	-2.701	-2.701	0	%100
23	M23	X	1.085	1.085	0	%100
24	M23	Z	-1.88	-1.88	0	%100
25	M24	Х	1.085	1.085	0	%100
26	M24	Z	-1.88	-1.88	0	%100
27	M25	X	.195	.195	0	%100
28	M25	Z	338	338	0	%100
29	M26	X	.195	.195	0	%100
30	M26	Z	338	338	0	%100
31	MP1A	Х	4.937	4.937	0	%100
32	MP1A	Z	-8.552	-8.552	0	%100
33	M29	Х	2.795	2.795	0	%100
34	M29	Z	-4.841	-4.841	0	%100

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: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:__

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,%]
35	M30	X	8.438	8.438	0	%100
36	M30	Z	-14.614	-14.614	0	%100
37	M31	X	2.769	2.769	0	%100
38	M31	Z	-4.797	-4.797	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.138	2.138	0	%100
2	M1	Z	-1.234	-1.234	0	%100
3	M2	X	2.138	2.138	0	%100
4	M2	Z	-1.234	-1.234	0	%100
5	MP2A	X	8.552	8.552	0	%100
6	MP2A	Z	-4.937	-4.937	0	%100
7	MP3A	X	8.552	8.552	0	%100
8	MP3A	Z	-4.937	-4.937	0	%100
9	MP4A	X	8.552	8.552	0	%100
10	MP4A	Z	-4.937	-4.937	0	%100
11	M17	X	10.533	10.533	0	%100
12	M17	Z	-6.081	-6.081	0	%100
13	M20	X	2.183	2.183	0	%100
14	M20	Z	-1.26	-1.26	0	%100
15	M19	X	16.203	16.203	0	%100
16	M19	Z	-9.355	-9.355	0	%100
17	M20A	X	16.203	16.203	0	%100
18	M20A	Z	-9.355	-9.355	0	%100
19	M21	X	8.102	8.102	0	%100
20	M21	Z	-4.678	-4.678	0	%100
21	M22	X	8.102	8.102	0	%100
22	M22	Z	-4.678	-4.678	0	%100
23	M23	X	5.64	5.64	0	%100
24	M23	Z	-3.256	-3.256	0	%100
25	M24	X	5.64	5.64	0	%100
26	M24	Z	-3.256	-3.256	0	%100
27	M25	X	1.013	1.013	0	%100
28	M25	Z	585	585	0	%100
29	M26	X	1.013	1.013	0	%100
30	M26	Z	585	585	0	%100
31	MP1A	X	8.552	8.552	0	%100
32	MP1A	Z	-4.937	-4.937	0	%100
33	M29	X	1.702	1.702	0	%100
34	M29	Z	983	983	0	%100
35	M30	X	11.476	11.476	0	%100
36	M30	Z	-6.625	-6.625	0	%100
37	M31	X	5.954	5.954	0	%100
38	M31	Z	-3.437	-3.437	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	M2	X	0	0	0	%100

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June 11, 2021 4:18 PM Checked By:__

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,%]
4	M2	Z	0	0	0	%100
5	MP2A	X	9.875	9.875	0	%100
6	MP2A	Z	0	0	0	%100
7	MP3A	X	9.875	9.875	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	Х	9.875	9.875	0	%100
10	MP4A	Z	0	0	0	%100
11	M17	Х	12.162	12.162	0	%100
12	M17	Z	0	0	0	%100
13	M20	Х	5.864	5.864	0	%100
14	M20	Z	0	0	0	%100
15	M19	Х	24.947	24.947	0	%100
16	M19	Z	0	0	0	%100
17	M20A	Х	24.947	24.947	0	%100
18	M20A	Z	0	0	0	%100
19	M21	Х	12.473	12.473	0	%100
20	M21	Z	0	0	0	%100
21	M22	Х	12.473	12.473	0	%100
22	M22	Z	0	0	0	%100
23	M23	Х	8.684	8.684	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	8.684	8.684	0	%100
26	M24	Z	0	0	0	%100
27	M25	Х	1.559	1.559	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	1.559	1.559	0	%100
30	M26	Z	0	0	0	%100
31	MP1A	Х	9.875	9.875	0	%100
32	MP1A	Z	0	0	0	%100
33	M29	Х	5.796	5.796	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	5.796	5.796	0	%100
36	M30	Z	0	0	0	%100
37	M31	Х	4.787	4.787	0	%100
38	M31	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	2.138	2.138	0	%100
2	M1	Z	1.234	1.234	0	%100
3	M2	Χ	2.138	2.138	0	%100
4	M2	Z	1.234	1.234	0	%100
5	MP2A	Χ	8.552	8.552	0	%100
6	MP2A	Z	4.937	4.937	0	%100
7	MP3A	Χ	8.552	8.552	0	%100
8	MP3A	Z	4.937	4.937	0	%100
9	MP4A	Χ	8.552	8.552	0	%100
10	MP4A	Z	4.937	4.937	0	%100
11	M17	Χ	10.533	10.533	0	%100
12	M17	Z	6.081	6.081	0	%100
13	M20	X	5.884	5.884	0	%100

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: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:___

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,%]
14	M20	Z	3.397	3.397	0	%100
15	M19	X	16.203	16.203	0	%100
16	M19	Z	9.355	9.355	0	%100
17	M20A	X	16.203	16.203	0	%100
18	M20A	Z	9.355	9.355	0	%100
19	M21	X	8.102	8.102	0	%100
20	M21	Z	4.678	4.678	0	%100
21	M22	X	8.102	8.102	0	%100
22	M22	Z	4.678	4.678	0	%100
23	M23	X	5.64	5.64	0	%100
24	M23	Z	3.256	3.256	0	%100
25	M24	X	5.64	5.64	0	%100
26	M24	Z	3.256	3.256	0	%100
27	M25	X	1.013	1.013	0	%100
28	M25	Z	.585	.585	0	%100
29	M26	Χ	1.013	1.013	0	%100
30	M26	Z	.585	.585	0	%100
31	MP1A	X	8.552	8.552	0	%100
32	MP1A	Z	4.937	4.937	0	%100
33	M29	X	11.476	11.476	0	%100
34	M29	Z	6.625	6.625	0	%100
35	M30	X	1.702	1.702	0	%100
36	M30	Z	.983	.983	0	%100
37	M31	X	1.18	1.18	0	%100
38	M31	Z	.682	.682	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	3.703	3.703	0	%100
2	M1	Z	6.414	6.414	0	%100
3	M2	X	3.703	3.703	0	%100
4	M2	Z	6.414	6.414	0	%100
5	MP2A	X	4.937	4.937	0	%100
6	MP2A	Z	8.552	8.552	0	%100
7	MP3A	X	4.937	4.937	0	%100
8	MP3A	Z	8.552	8.552	0	%100
9	MP4A	X	4.937	4.937	0	%100
10	MP4A	Z	8.552	8.552	0	%100
11	M17	X	6.081	6.081	0	%100
12	M17	Z	10.533	10.533	0	%100
13	M20	X	2.191	2.191	0	%100
14	M20	Z	3.795	3.795	0	%100
15	M19	X	3.118	3.118	0	%100
16	M19	Z	5.401	5.401	0	%100
17	M20A	X	3.118	3.118	0	%100
18	M20A	Z	5.401	5.401	0	%100
19	M21	X	1.559	1.559	0	%100
20	M21	Z	2.701	2.701	0	%100
21	M22	X	1.559	1.559	0	%100
22	M22	Z	2.701	2.701	0	%100
23	M23	X	1.085	1.085	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
24	M23	Z	1.88	1.88	0	%100
25	M24	X	1.085	1.085	0	%100
26	M24	Z	1.88	1.88	0	%100
27	M25	X	.195	.195	0	%100
28	M25	Z	.338	.338	0	%100
29	M26	X	.195	.195	0	%100
30	M26	Z	.338	.338	0	%100
31	MP1A	X	4.937	4.937	0	%100
32	MP1A	Z	8.552	8.552	0	%100
33	M29	X	8.438	8.438	0	%100
34	M29	Z	14.614	14.614	0	%100
35	M30	X	2.795	2.795	0	%100
36	M30	Z	4.841	4.841	0	%100
37	M31	X	.014	.014	0	%100
38	M31	Z	.024	.024	0	%100

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

1 M1 X 0 0 0 %100 2 M1 Z 9.875 9.875 0 %100 4 M2 X 0 0 0 %100 5 MP2A X 0 0 0 %100 6 MP2A Z 9.875 9.875 0 %100 7 MP3A X 0 0 0 %100 8 MP3A Z 9.875 9.875 0 %100 9 MP4A X 0 0 0 %100 10 MP4A X 0 0 0 %100 11 M17 X 0 0 0 %100 12 M17 Z 12.162 12.162 0 %100 13 M20 X 0 0 0 %100 14 M20 X 0 0		Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
3 M2 X 0 0 %100 4 M2 Z 9.875 9.875 0 %100 5 MP2A X 0 0 0 %100 6 MP2A Z 9.875 9.875 0 %100 7 MP3A X 0 0 0 %100 9 MP4A X 0 0 0 %100 10 MP4A X 0 0 0 %100 10 MP4A X 0 0 0 %100 11 M17 X 0 0 0 %100 11 M17 X 0 0 0 %100 12 M17 Z 12.162 12.162 0 %100 13 M20 X 0 0 0 %100 14 M20 X 0 0 0 %100<	1	M1	X	0	0	0	%100
4 M2 Z 9.875 9.875 0 %100 5 MP2A X 0 0 0 %100 6 MP2A Z 9.875 9.875 0 %100 7 MP3A X 0 0 0 %100 8 MP3A Z 9.875 9.875 0 %100 9 MP4A X 0 0 0 %100 10 MP4A Z 9.875 9.875 0 %100 11 M17 X 0 0 0 %100 11 M17 Z 12.162 12.162 0 %100 12 M17 Z 12.162 12.162 0 %100 13 M20 X 0 0 0 %100 14 M20 Z 1.038 1.038 0 %100 15 M19 X 0	2	M1	Z	9.875	9.875	0	%100
5 MP2A X 0 0 0 %100 6 MP2A Z 9.875 9.875 0 %100 7 MP3A X 0 0 0 %100 8 MP3A Z 9.875 9.875 0 %100 9 MP4A X 0 0 0 %100 10 MP4A Z 9.875 9.875 0 %100 11 M17 X 0 0 0 %100 12 M17 Z 12.162 0 %100 13 M20 X 0 0 0 %100 14 M20 Z 1,038 1,038 0 %100 15 M19 X 0 0 0 %100 16 M19 Z 0 0 0 %100 17 M20A X 0 0 0	3	M2		0	0	0	%100
6 MP2A Z 9.875 9.875 0 %100 7 MP3A X 0 0 0 %100 8 MP3A Z 9.875 9.875 0 %100 9 MP4A X 0 0 0 %100 10 MP4A Z 9.875 9.875 0 %100 11 M17 X 0 0 0 %100 12 M17 Z 12.162 12.162 0 %100 13 M20 X 0 0 0 %100 14 M20 Z 1.038 1.038 0 %100 15 M19 X 0 0 0 %100 15 M19 X 0 0 0 %100 17 M20A X 0 0 0 %100 17 M20A X 0 0 </td <td>4</td> <td>M2</td> <td>Z</td> <td>9.875</td> <td>9.875</td> <td>0</td> <td>%100</td>	4	M2	Z	9.875	9.875	0	%100
7 MP3A X 0 0 %100 8 MP3A Z 9.875 9.875 0 %100 9 MP4A X 0 0 0 %100 10 MP4A Z 9.875 9.875 0 %100 11 M17 X 0 0 0 %100 12 M17 Z 12.162 12.162 0 %100 13 M20 X 0 0 0 %100 14 M20 Z 1.038 1.038 0 %100 15 M19 X 0 0 0 %100 15 M19 X 0 0 0 %100 17 M20A X 0 0 0 %100 17 M20A X 0 0 0 %100 18 M20A X 0 0 0	5	MP2A		0	0	0	%100
8 MP3A Z 9.875 9.875 0 %100 9 MP4A X 0 0 0 %100 10 MP4A Z 9.875 9.875 0 %100 11 M17 X 0 0 0 %100 12 M17 Z 12.162 12.162 0 %100 13 M20 X 0 0 0 %100 14 M20 Z 1.038 1.038 0 %100 15 M19 X 0 0 0 %100 15 M19 X 0 0 0 %100 17 M20A X 0 0 0 %100 18 M20A X 0 0 0 %100 20 M21 X 0 0 0 %100 20 M21 X 0 0	6	MP2A	Z	9.875	9.875	0	%100
9 MP4A X 0 0 0 %100 10 MP4A Z 9.875 9.875 0 %100 11 M17 X 0 0 0 %100 12 M17 Z 12.162 12.162 0 %100 13 M20 X 0 0 0 %100 14 M20 Z 1.038 1.038 0 %100 15 M19 X 0 0 0 %100 16 M19 Z 0 0 0 %100 17 M20A X 0 0 0 %100 18 M20A Z 0 0 0 %100 19 M21 X 0 0 0 %100 20 M21 X 0 0 0 %100 21 M22 X 0 0	7	MP3A	Х	0	0	0	%100
10 MP4A Z 9.875 9.875 0 %100 11 M17 X 0 0 0 %100 12 M17 Z 12.162 12.162 0 %100 13 M20 X 0 0 0 %100 14 M20 Z 1.038 1.038 0 %100 15 M19 X 0 0 0 %100 16 M19 Z 0 0 0 %100 16 M19 Z 0 0 0 %100 17 M20A X 0 0 0 %100 18 M20A Z 0 0 0 %100 19 M21 X 0 0 0 %100 20 M21 X 0 0 0 %100 21 M22 X 0 0	8	MP3A	Z	9.875	9.875	0	%100
11 M17 X 0 0 %100 12 M17 Z 12.162 12.162 0 %100 13 M20 X 0 0 0 %100 14 M20 Z 1.038 1.038 0 %100 15 M19 X 0 0 0 %100 16 M19 Z 0 0 0 %100 17 M20A X 0 0 0 %100 17 M20A X 0 0 0 %100 18 M20A Z 0 0 0 %100 19 M21 X 0 0 0 %100 20 M21 Z 0 0 0 %100 21 M22 X 0 0 0 %100 22 M22 Z 0 0 0 %100 <td>9</td> <td>MP4A</td> <td>X</td> <td>0</td> <td>0</td> <td>0</td> <td>%100</td>	9	MP4A	X	0	0	0	%100
12 M17 Z 12.162 12.162 0 %100 13 M20 X 0 0 0 %100 14 M20 Z 1.038 1.038 0 %100 15 M19 X 0 0 0 %100 16 M19 Z 0 0 0 %100 17 M20A X 0 0 0 %100 18 M20A Z 0 0 0 %100 19 M21 X 0 0 0 %100 20 M21 Z 0 0 0 %100 21 M22 X 0 0 0 %100 22 M22 Z 0 0 %100 24 M23 X 0 0 %100 24 M23 Z 0 0 %100 25 <td>10</td> <td>MP4A</td> <td>Z</td> <td>9.875</td> <td>9.875</td> <td>0</td> <td>%100</td>	10	MP4A	Z	9.875	9.875	0	%100
12 M17 Z 12.162 12.162 0 %100 13 M20 X 0 0 0 %100 14 M20 Z 1.038 1.038 0 %100 15 M19 X 0 0 0 %100 16 M19 Z 0 0 0 %100 16 M19 Z 0 0 0 %100 17 M20A X 0 0 0 %100 18 M20A Z 0 0 0 %100 19 M21 X 0 0 0 %100 20 M21 X 0 0 0 %100 21 M22 X 0 0 0 %100 22 M22 Z 0 0 %100 24 M23 X 0 0 0 %100	11	M17	X	0	0	0	%100
13 M20 X 0 0 %100 14 M20 Z 1.038 1.038 0 %100 15 M19 X 0 0 0 %100 16 M19 Z 0 0 0 %100 17 M20A X 0 0 0 %100 18 M20A Z 0 0 0 %100 19 M21 X 0 0 0 %100 20 M21 Z 0 0 0 %100 21 M22 X 0 0 0 %100 22 M22 Z 0 0 0 %100 23 M23 X 0 0 0 %100 24 M23 Z 0 0 0 %100 25 M24 X 0 0 0 %100	12		Z	12.162	12.162	0	%100
15 M19 X 0 0 0 %100 16 M19 Z 0 0 0 %100 17 M20A X 0 0 0 %100 18 M20A Z 0 0 0 %100 19 M21 X 0 0 0 %100 20 M21 Z 0 0 0 %100 21 M22 X 0 0 0 %100 22 M22 Z 0 0 0 %100 23 M23 X 0 0 0 %100 24 M23 Z 0 0 0 %100 25 M24 X 0 0 0 %100 26 M24 Z 0 0 0 %100 28 M25 X 0 0 0 %100 <td>13</td> <td>M20</td> <td>X</td> <td>0</td> <td>0</td> <td>0</td> <td></td>	13	M20	X	0	0	0	
15 M19 X 0 0 %100 16 M19 Z 0 0 0 %100 17 M20A X 0 0 0 %100 18 M20A Z 0 0 0 %100 19 M21 X 0 0 0 %100 20 M21 Z 0 0 0 %100 21 M22 X 0 0 0 %100 22 M22 Z 0 0 0 %100 23 M23 X 0 0 0 %100 24 M23 Z 0 0 0 %100 24 M23 Z 0 0 %100 26 M24 X 0 0 %100 26 M24 Z 0 0 %100 28 M25 X<	14	M20	Z	1.038	1.038	0	%100
17 M20A X 0 0 0 %100 18 M20A Z 0 0 0 %100 19 M21 X 0 0 0 %100 20 M21 Z 0 0 0 %100 21 M22 X 0 0 0 %100 22 M22 Z 0 0 %100 23 M23 X 0 0 %100 24 M23 Z 0 0 %100 25 M24 X 0 0 %100 26 M24 X 0 0 %100 27 M25 X 0 0 %100 28 M25 Z 0 0 %100 29 M26 X 0 0 %100 30 M26 Z 0 0 %100	15	M19	X	0	0	0	
18 M20A Z 0 0 %100 19 M21 X 0 0 %100 20 M21 Z 0 0 %100 21 M22 X 0 0 %100 22 M22 Z 0 0 %100 23 M23 X 0 0 %100 24 M23 Z 0 0 %100 25 M24 X 0 0 %100 26 M24 Z 0 0 %100 27 M25 X 0 0 %100 28 M25 Z 0 0 %100 29 M26 X 0 0 %100 30 M26 Z 0 0 %100 31 MP1A X 0 0 %100 32 MP1A Z 9.875	16	M19	Z	0	0	0	%100
19 M21 X 0 0 0 %100 20 M21 Z 0 0 0 %100 21 M22 X 0 0 0 %100 22 M22 Z 0 0 0 %100 23 M23 X 0 0 0 %100 24 M23 Z 0 0 0 %100 25 M24 X 0 0 0 %100 26 M24 Z 0 0 0 %100 27 M25 X 0 0 0 %100 28 M25 Z 0 0 0 %100 29 M26 X 0 0 0 %100 30 M26 Z 0 0 0 %100 31 MP1A X 0 0 0 %100	17	M20A	X	0	0	0	%100
20 M21 Z 0 0 %100 21 M22 X 0 0 %100 22 M22 Z 0 0 %100 23 M23 X 0 0 %100 24 M23 Z 0 0 %100 25 M24 X 0 0 %100 26 M24 Z 0 0 %100 27 M25 X 0 0 %100 28 M25 Z 0 0 %100 29 M26 X 0 0 %100 30 M26 Z 0 0 %100 31 MP1A X 0 0 %100 32 MP1A Z 9.875 9.875 0 %100	18	M20A	Z	0	0	0	%100
21 M22 X 0 0 0 %100 22 M22 Z 0 0 0 %100 23 M23 X 0 0 0 %100 24 M23 Z 0 0 0 %100 25 M24 X 0 0 0 %100 26 M24 Z 0 0 0 %100 27 M25 X 0 0 0 %100 28 M25 Z 0 0 0 %100 29 M26 X 0 0 0 %100 30 M26 Z 0 0 0 %100 31 MP1A X 0 0 0 %100 32 MP1A Z 9.875 9.875 0 %100	19	M21	X	0	0	0	%100
21 M22 X 0 0 0 %100 22 M22 Z 0 0 0 %100 23 M23 X 0 0 0 %100 24 M23 Z 0 0 0 %100 25 M24 X 0 0 0 %100 26 M24 Z 0 0 0 %100 27 M25 X 0 0 0 %100 28 M25 Z 0 0 0 %100 29 M26 X 0 0 0 %100 30 M26 Z 0 0 0 %100 31 MP1A X 0 0 0 %100 32 MP1A Z 9.875 9.875 0 %100	20	M21	Z	0	0	0	%100
23 M23 X 0 0 %100 24 M23 Z 0 0 %100 25 M24 X 0 0 %100 26 M24 Z 0 0 %100 27 M25 X 0 0 %100 28 M25 Z 0 0 %100 29 M26 X 0 0 %100 30 M26 Z 0 0 %100 31 MP1A X 0 0 %100 32 MP1A Z 9.875 9.875 0 %100	21	M22	X	0	0	0	%100
24 M23 Z 0 0 0 %100 25 M24 X 0 0 0 %100 26 M24 Z 0 0 0 %100 27 M25 X 0 0 0 %100 28 M25 Z 0 0 0 %100 29 M26 X 0 0 0 %100 30 M26 Z 0 0 0 %100 31 MP1A X 0 0 0 %100 32 MP1A Z 9.875 9.875 0 %100	22	M22	Z	0	0	0	%100
25 M24 X 0 0 %100 26 M24 Z 0 0 %100 27 M25 X 0 0 %100 28 M25 Z 0 0 %100 29 M26 X 0 0 %100 30 M26 Z 0 0 %100 31 MP1A X 0 0 %100 32 MP1A Z 9.875 9.875 0 %100	23	M23	X	0	0	0	%100
26 M24 Z 0 0 0 %100 27 M25 X 0 0 0 %100 28 M25 Z 0 0 0 %100 29 M26 X 0 0 0 %100 30 M26 Z 0 0 0 %100 31 MP1A X 0 0 %100 32 MP1A Z 9.875 9.875 0 %100	24	M23	Z	0	0	0	%100
27 M25 X 0 0 0 %100 28 M25 Z 0 0 0 %100 29 M26 X 0 0 0 %100 30 M26 Z 0 0 0 %100 31 MP1A X 0 0 0 %100 32 MP1A Z 9.875 9.875 0 %100	25	M24	X	0	0	0	%100
28 M25 Z 0 0 %100 29 M26 X 0 0 %100 30 M26 Z 0 0 %100 31 MP1A X 0 0 %100 32 MP1A Z 9.875 9.875 0 %100	26	M24	Z	0	0	0	%100
29 M26 X 0 0 0 %100 30 M26 Z 0 0 0 %100 31 MP1A X 0 0 0 %100 32 MP1A Z 9.875 9.875 0 %100	27	M25	X	0	0	0	%100
29 M26 X 0 0 0 %100 30 M26 Z 0 0 0 %100 31 MP1A X 0 0 0 %100 32 MP1A Z 9.875 9.875 0 %100	28	M25	Z	0	0	0	%100
30 M26 Z 0 0 0 %100 31 MP1A X 0 0 0 %100 32 MP1A Z 9.875 9.875 0 %100			X	0	0		
31 MP1A X 0 0 0 %100 32 MP1A Z 9.875 9.875 0 %100			Z				
32 MP1A Z 9.875 9.875 0 %100					0		
	32			9.875	9.875		
	33	M29	X	0	0	0	%100

: Maser Consulting

: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:__

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	M29	Z	13.045	13.045	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	13.045	13.045	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	2.115	2.115	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 Z	-3.703	-3.703	0	%100
2	M1		6.414	6.414	0	%100
3	M2	X	-3.703	-3.703	0	%100
4	M2	Z	6.414	6.414	0	%100
5	MP2A	X	-4.937	-4.937	0	%100
6	MP2A	Z	8.552	8.552	0	%100
7	MP3A	X	-4.937	-4.937	0	%100
8	MP3A	Z	8.552	8.552	0	%100
9	MP4A	X	-4.937	-4.937	0	%100
10	MP4A	Z	8.552	8.552	0	%100
11	M17	X	-6.081	-6.081	0	%100
12	M17	Z	10.533	10.533	0	%100
13	M20	X	054	054	0	%100
14	M20	Z	.093	.093	0	%100
15	M19	X	-3.118	-3.118	0	%100
16	M19	Z	5.401	5.401	0	%100
17	M20A	X	-3.118	-3.118	0	%100
18	M20A	Z	5.401	5.401	0	%100
19	M21	X	-1.559	-1.559	0	%100
20	M21	Z	2.701	2.701	0	%100
21	M22	X	-1.559	-1.559	0	%100
22	M22	Z	2.701	2.701	0	%100
23	M23	X	-1.085	-1.085	0	%100
24	M23	Z	1.88	1.88	0	%100
25	M24	X	-1.085	-1.085	0	%100
26	M24	Z	1.88	1.88	0	%100
27	M25	X	195	195	0	%100
28	M25	Z	.338	.338	0	%100
29	M26	X	195	195	0	%100
30	M26	Z	.338	.338	0	%100
31	MP1A	Х	-4.937	-4.937	0	%100
32	MP1A	Z	8.552	8.552	0	%100
33	M29	X	-2.795	-2.795	0	%100
34	M29	Z	4.841	4.841	0	%100
35	M30	X	-8.438	-8.438	0	%100
36	M30	Z	14.614	14.614	0	%100
37	M31	X	-2.769	-2.769	0	%100
38	M31	Z	4.797	4.797	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	-2.138	-2.138	0	%100
2	M1	Z	1.234	1.234	0	%100

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: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:__

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,%] 3 M2 X -2.138 -2.138 0 %100 4 M2 Z 1.234 1.234 0 %100 5 MP2A X -8.552 -8.552 0 %100 6 MP2A Z 4.937 4.937 0 %100 7 MP3A X -8.552 -8.552 0 %100 8 MP3A Z 4.937 4.937 0 %100 9 MP4A X -8.552 -8.552 0 %100 10 MP4A X -8.552 -8.552 0 %100 11 M17 X -10.533 -10.533 0 %100 12 M17 Z 6.081 6.081 0 %100 12 M17 Z 6.081 6.081 0 %100 <tr< th=""><th></th></tr<>	
4 M2 Z 1.234 1.234 0 %100 5 MP2A X -8.552 -8.552 0 %100 6 MP2A Z 4.937 4.937 0 %100 7 MP3A X -8.552 -8.552 0 %100 8 MP3A Z 4.937 4.937 0 %100 9 MP4A X -8.552 -8.552 0 %100 10 MP4A X -8.552 0 %100 11 M17 X -10.533 -10.533 0 %100 12 M17 X -10.533 -10.533 0 %100 13 M20 X -2.183 -2.183 0 %100 14 M20 Z 1.26 1.26 0 %100 15 M19 X -16.203 -16.203 0 %100 16 M19	
5 MP2A X -8.552 -8.552 0 %100 6 MP2A Z 4.937 4.937 0 %100 7 MP3A X -8.552 -8.552 0 %100 8 MP3A Z 4.937 4.937 0 %100 9 MP4A X -8.552 -8.552 0 %100 10 MP4A Z 4.937 4.937 0 %100 11 M17 X -10.533 -10.533 0 %100 12 M17 Z 6.081 6.081 0 %100 13 M20 X -2.183 -2.183 0 %100 14 M20 Z 1.26 1.26 0 %100 15 M19 X -16.203 -16.203 0 %100 16 M19 Z 9.355 9.355 0 %100 18	
6 MP2A Z 4.937 4.937 0 %100 7 MP3A X -8.552 -8.552 0 %100 8 MP3A Z 4.937 4.937 0 %100 9 MP4A X -8.552 -8.552 0 %100 10 MP4A Z 4.937 4.937 0 %100 11 M17 X -10.533 -10.533 0 %100 12 M17 Z 6.081 6.081 0 %100 13 M20 X -2.183 -2.183 0 %100 14 M20 Z 1.26 1.26 0 %100 15 M19 X -16.203 -16.203 0 %100 16 M19 Z 9.355 9.355 0 %100 17 M20A X -16.203 -16.203 0 %100 18	
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8 MP3A Z 4.937 4.937 0 %100 9 MP4A X -8.552 -8.552 0 %100 10 MP4A Z 4.937 4.937 0 %100 11 M17 X -10.533 -10.533 0 %100 12 M17 Z 6.081 6.081 0 %100 13 M20 X -2.183 -2.183 0 %100 14 M20 Z 1.26 1.26 0 %100 15 M19 X -16.203 -16.203 0 %100 16 M19 Z 9.355 9.355 0 %100 17 M20A X -16.203 -16.203 0 %100 18 M20A Z 9.355 9.355 0 %100 20 M21 X -8.102 -8.102 0 %100 21	
9 MP4A X -8.552 -8.552 0 %100 10 MP4A Z 4.937 4.937 0 %100 11 M17 X -10.533 -10.533 0 %100 12 M17 Z 6.081 6.081 0 %100 13 M20 X -2.183 -2.183 0 %100 14 M20 Z 1.26 1.26 0 %100 15 M19 X -16.203 -16.203 0 %100 16 M19 Z 9.355 9.355 0 %100 17 M20A X -16.203 -16.203 0 %100 18 M20A Z 9.355 9.355 0 %100 19 M21 X -8.102 -8.102 0 %100 20 M21 Z 4.678 4.678 0 %100 21	
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11 M17 X -10.533 -10.533 0 %100 12 M17 Z 6.081 6.081 0 %100 13 M20 X -2.183 0 %100 14 M20 Z 1.26 1.26 0 %100 15 M19 X -16.203 -16.203 0 %100 16 M19 Z 9.355 9.355 0 %100 17 M20A X -16.203 -16.203 0 %100 18 M20A Z 9.355 9.355 0 %100 19 M21 X -8.102 -8.102 0 %100 20 M21 Z 4.678 4.678 0 %100 21 M22 X -8.102 -8.102 0 %100 22 M22 Z 4.678 4.678 0 %100 23 M23 X -5.64 -5.64 0 %100	00
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13 M20 X -2.183 -2.183 0 %100 14 M20 Z 1.26 1.26 0 %100 15 M19 X -16.203 -16.203 0 %100 16 M19 Z 9.355 9.355 0 %100 17 M20A X -16.203 -16.203 0 %100 18 M20A Z 9.355 9.355 0 %100 19 M21 X -8.102 -8.102 0 %100 20 M21 Z 4.678 4.678 0 %100 21 M22 X -8.102 -8.102 0 %100 22 M22 Z 4.678 4.678 0 %100 23 M23 X -5.64 -5.64 0 %100	00
14 M20 Z 1.26 1.26 0 %100 15 M19 X -16.203 -16.203 0 %100 16 M19 Z 9.355 9.355 0 %100 17 M20A X -16.203 -16.203 0 %100 18 M20A Z 9.355 9.355 0 %100 19 M21 X -8.102 -8.102 0 %100 20 M21 Z 4.678 4.678 0 %100 21 M22 X -8.102 -8.102 0 %100 22 M22 Z 4.678 4.678 0 %100 23 M23 X -5.64 -5.64 0 %100	00
15 M19 X -16.203 -16.203 0 %100 16 M19 Z 9.355 9.355 0 %100 17 M20A X -16.203 -16.203 0 %100 18 M20A Z 9.355 9.355 0 %100 19 M21 X -8.102 -8.102 0 %100 20 M21 Z 4.678 4.678 0 %100 21 M22 X -8.102 -8.102 0 %100 22 M22 Z 4.678 4.678 0 %100 23 M23 X -5.64 -5.64 0 %100	00
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18 M20A Z 9.355 9.355 0 %100 19 M21 X -8.102 -8.102 0 %100 20 M21 Z 4.678 4.678 0 %100 21 M22 X -8.102 -8.102 0 %100 22 M22 Z 4.678 4.678 0 %100 23 M23 X -5.64 -5.64 0 %100	00
19 M21 X -8.102 -8.102 0 %100 20 M21 Z 4.678 4.678 0 %100 21 M22 X -8.102 -8.102 0 %100 22 M22 Z 4.678 0 %100 23 M23 X -5.64 -5.64 0 %100	00
20 M21 Z 4.678 0 %100 21 M22 X -8.102 -8.102 0 %100 22 M22 Z 4.678 4.678 0 %100 23 M23 X -5.64 -5.64 0 %100	00
21 M22 X -8.102 -8.102 0 %100 22 M22 Z 4.678 4.678 0 %100 23 M23 X -5.64 -5.64 0 %100	00
22 M22 Z 4.678 4.678 0 %100 23 M23 X -5.64 -5.64 0 %100	00
23 M23 X -5.64 -5.64 0 %100	00
	00
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24 M23 Z 3.256 3.256 0 %100	
25 M24 X -5.64 -5.64 0 %100	00
26 M24 Z 3.256 3.256 0 %100	00
27 M25 X -1.013 -1.013 0 %100	00
28 M25 Z .585 .585 0 %100	00
29 M26 X -1.013 -1.013 0 %100	00
30 M26 Z .585 .585 0 %100	00
31 MP1A X -8.552 -8.552 0 %100	
32 MP1A Z 4.937 4.937 0 %100	
33 M29 X -1.702 -1.702 0 %100	
34 M29 Z .983 .983 0 %100	
35 M30 X -11.476 -11.476 0 %100	
36 M30 Z 6.625 6.625 0 %100	
37 M31 X -5.954 -5.954 0 %100	
38 M31 Z 3.437 3.437 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	M2	Χ	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP2A	X	-9.875	-9.875	0	%100
6	MP2A	Z	0	0	0	%100
7	MP3A	X	-9.875	-9.875	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-9.875	-9.875	0	%100
10	MP4A	Z	0	0	0	%100
11	M17	X	-12.162	-12.162	0	%100
12	M17	Z	0	0	0	%100

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: 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:__

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,%]
13	M20	X	-5.864	-5.864	0	%100
14	M20	Z	0	0	0	%100
15	M19	X	-24.947	-24.947	0	%100
16	M19	Z	0	0	0	%100
17	M20A	X	-24.947	-24.947	0	%100
18	M20A	Z	0	0	0	%100
19	M21	X	-12.473	-12.473	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-12.473	-12.473	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	-8.684	-8.684	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	-8.684	-8.684	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	-1.559	-1.559	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-1.559	-1.559	0	%100
30	M26	Z	0	0	0	%100
31	MP1A	X	-9.875	-9.875	0	%100
32	MP1A	Z	0	0	0	%100
33	M29	X	-5.796	-5.796	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	-5.796	-5.796	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-4.787	-4.787	0	%100
38	M31	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	-2.138	-2.138	0	%100
2	M1	Z	-1.234	-1.234	0	%100
3	M2	X	-2.138	-2.138	0	%100
4	M2	Z	-1.234	-1.234	0	%100
5	MP2A	X	-8.552	- 8.552	0	%100
6	MP2A	Z	-4.937	- 4.937	0	%100
7	MP3A	Χ	-8.552	- 8.552	0	%100
8	MP3A	Z	-4.937	- 4.937	0	%100
9	MP4A	X	-8.552	- 8.552	0	%100
10	MP4A	Z	-4.937	- 4.937	0	%100
11	M17	X	-10.533	-10.533	0	%100
12	M17	Z	-6.081	-6.081	0	%100
13	M20	Χ	-5.884	-5.884	0	%100
14	M20	Z	-3.397	-3.397	0	%100
15	M19	X	-16.203	-16.203	0	%100
16	M19	Z	-9.355	-9.355	0	%100
17	M20A	Χ	-16.203	-16.203	0	%100
18	M20A	Z	-9.355	-9.355	0	%100
19	M21	Χ	-8.102	-8.102	0	%100
20	M21	Z	-4.678	-4.678	0	%100
21	M22	X	-8.102	-8.102	0	%100
22	M22	Z	-4.678	-4.678	0	%100

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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,%]
23	M23	X	-5.64	-5.64	0	%100
24	M23	Z	-3.256	-3.256	0	%100
25	M24	X	-5.64	-5.64	0	%100
26	M24	Z	-3.256	-3.256	0	%100
27	M25	X	-1.013	-1.013	0	%100
28	M25	Z	585	585	0	%100
29	M26	X	-1.013	-1.013	0	%100
30	M26	Z	585	585	0	%100
31	MP1A	X	-8.552	-8.552	0	%100
32	MP1A	Z	-4.937	-4.937	0	%100
33	M29	X	-11.476	-11.476	0	%100
34	M29	Z	-6.625	-6.625	0	%100
35	M30	X	-1.702	-1.702	0	%100
36	M30	Z	983	983	0	%100
37	M31	Χ	-1.18	-1.18	0	%100
38	M31	Z	682	682	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	-3.703	-3.703	0	%100
2	M1	Z	-6.414	-6.414	0	%100
3	M2	X	-3.703	-3.703	0	%100
4	M2	Z	-6.414	-6.414	0	%100
5	MP2A	X	-4.937	-4.937	0	%100
6	MP2A	Z	-8.552	-8.552	0	%100
7	MP3A	X	-4.937	-4.937	0	%100
8	MP3A	Z	-8.552	-8.552	0	%100
9	MP4A	X	-4.937	-4.937	0	%100
10	MP4A	Z	-8.552	-8.552	0	%100
11	M17	X	-6.081	-6.081	0	%100
12	M17	Z	-10.533	-10.533	0	%100
13	M20	X	-2.191	-2.191	0	%100
14	M20	Z	-3.795	-3.795	0	%100
15	M19	X	-3.118	-3.118	0	%100
16	M19	Z	-5.401	-5.401	0	%100
17	M20A	X	-3.118	-3.118	0	%100
18	M20A	Z	-5.401	-5.401	0	%100
19	M21	X	-1.559	-1.559	0	%100
20	M21	Z	-2.701	-2.701	0	%100
21	M22	X	-1.559	-1.559	0	%100
22	M22	Z	-2.701	-2.701	0	%100
23	M23	X	-1.085	-1.085	0	%100
24	M23	Z	-1.88	-1.88	0	%100
25	M24	X	-1.085	-1.085	0	%100
26	M24	Z	-1.88	-1.88	0	%100
27	M25	X	195	195	0	%100
28	M25	Z	338	338	0	%100
29	M26	X	195	195	0	%100
30	M26	Z	338	338	0	%100
31	MP1A	X	-4.937	-4.937	0	%100
32	MP1A	Z	-8.552	-8.552	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
33	M29	X	-8.438	-8.438	0	%100
34	M29	Z	-14.614	-14.614	0	%100
35	M30	X	-2.795	-2.795	0	%100
36	M30	Z	-4.841	-4.841	0	%100
37	M31	X	014	014	0	%100
38	M31	Z	024	024	0	%100

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	- 4.304	- 4.304	0	%100
3	M2	Χ	0	0	0	%100
4	M2	Z	-4.304	-4.304	0	%100
5	MP2A	Χ	0	0	0	%100
6	MP2A	Z	-4.097	-4.097	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-4.097	-4.097	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-4.097	-4.097	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	-4.78	-4.78	0	%100
13	M20	Χ	0	0	0	%100
14	M20	Z	554	554	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20A	X	0	0	0	%100
18	M20A	Z	0	0	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	Χ	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	- 4.097	- 4.097	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	-3.982	-3.982	0	%100
35	M30	Χ	0	0	0	%100
36	M30	Z	-3.982	-3.982	0	%100
37	M31	Χ	0	0	0	%100
38	M31	Z	-1.158	-1.158	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	1.614	1.614	0	%100

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June 11, 2021 4:18 PM Checked By:__

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,%]
2	M1	Z	-2.795	-2.795	0	%100
3	M2	X	1.614	1.614	0	%100
4	M2	Z	-2.795	-2.795	0	%100
5	MP2A	X	2.049	2.049	0	%100
6	MP2A	Z	-3.548	-3.548	0	%100
7	MP3A	X	2.049	2.049	0	%100
8	MP3A	Z	-3.548	-3.548	0	%100
9	MP4A	X	2.049	2.049	0	%100
10	MP4A	Z	-3.548	-3.548	0	%100
11	M17	X	2.39	2.39	0	%100
12	M17	Z	-4.14	-4.14	0	%100
13	M20	X	.029	.029	0	%100
14	M20	Z	05	05	0	%100
15	M19	Х	.737	.737	0	%100
16	M19	Z	-1.277	-1.277	0	%100
17	M20A	Х	.737	.737	0	%100
18	M20A	Z	-1.277	-1.277	0	%100
19	M21	Х	.462	.462	0	%100
20	M21	Z	8	8	0	%100
21	M22	Х	.462	.462	0	%100
22	M22	Z	8	8	0	%100
23	M23	Х	.378	.378	0	%100
24	M23	Z	655	655	0	%100
25	M24	Х	.378	.378	0	%100
26	M24	Z	655	655	0	%100
27	M25	Х	.221	.221	0	%100
28	M25	Z	383	383	0	%100
29	M26	Х	.221	.221	0	%100
30	M26	Z	383	383	0	%100
31	MP1A	Х	2.049	2.049	0	%100
32	MP1A	Z	-3.548	-3.548	0	%100
33	M29	X	.853	.853	0	%100
34	M29	Z	-1.478	-1.478	0	%100
35	M30	X	2.575	2.575	0	%100
36	M30	Z	-4.461	-4.461	0	%100
37	M31	X	1.516	1.516	0	%100
38	M31	Z	-2.626	-2.626	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	.932	.932	0	%100
2	M1	Z	538	538	0	%100
3	M2	X	.932	.932	0	%100
4	M2	Z	538	538	0	%100
5	MP2A	X	3.548	3.548	0	%100
6	MP2A	Z	-2.049	-2.049	0	%100
7	MP3A	X	3.548	3.548	0	%100
8	MP3A	Z	-2.049	-2.049	0	%100
9	MP4A	X	3.548	3.548	0	%100
10	MP4A	Z	-2.049	-2.049	0	%100
11	M17	X	4.14	4.14	0	%100

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June 11, 2021 4:18 PM Checked By:__

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,%]
12	M17	Z	-2.39	-2.39	0	%100
13	M20	X	1.164	1.164	0	%100
14	M20	Z	672	672	0	%100
15	M19	X	3.831	3.831	0	%100
16	M19	Z	-2.212	-2.212	0	%100
17	M20A	X	3.831	3.831	0	%100
18	M20A	Z	-2.212	- 2.212	0	%100
19	M21	X	2.4	2.4	0	%100
20	M21	Z	-1.386	-1.386	0	%100
21	M22	X	2.4	2.4	0	%100
22	M22	Z	-1.386	-1.386	0	%100
23	M23	Χ	1.966	1.966	0	%100
24	M23	Z	-1.135	-1.135	0	%100
25	M24	X	1.966	1.966	0	%100
26	M24	Z	-1.135	-1.135	0	%100
27	M25	X	1.149	1.149	0	%100
28	M25	Z	663	663	0	%100
29	M26	X	1.149	1.149	0	%100
30	M26	Z	663	663	0	%100
31	MP1A	X	3.548	3.548	0	%100
32	MP1A	Z	-2.049	-2.049	0	%100
33	M29	X	.52	.52	0	%100
34	M29	Z	3	3	0	%100
35	M30	Χ	3.503	3.503	0	%100
36	M30	Z	-2.022	-2.022	0	%100
37	M31	Χ	3.26	3.26	0	%100
38	M31	Z	-1.882	-1.882	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	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP2A	X	4.097	4.097	0	%100
6	MP2A	Z	0	0	0	%100
7	MP3A	X	4.097	4.097	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	4.097	4.097	0	%100
10	MP4A	Z	0	0	0	%100
11	M17	X	4.78	4.78	0	%100
12	M17	Z	0	0	0	%100
13	M20	X	3.127	3.127	0	%100
14	M20	Z	0	0	0	%100
15	M19	X	5.898	5.898	0	%100
16	M19	Z	0	0	0	%100
17	M20A	X	5.898	5.898	0	%100
18	M20A	Z	0	0	0	%100
19	M21	X	3.696	3.696	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	3.696	3.696	0	%100

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June 11, 2021 4:18 PM Checked By:__

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,%]
22	M22	Z	0	0	0	%100
23	M23	X	3.027	3.027	0	%100
24	M23	Z	0	0	0	%100
25	M24	Χ	3.027	3.027	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	1.769	1.769	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	1.769	1.769	0	%100
30	M26	Z	0	0	0	%100
31	MP1A	Χ	4.097	4.097	0	%100
32	MP1A	Z	0	0	0	%100
33	M29	Χ	1.769	1.769	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	1.769	1.769	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	2.621	2.621	0	%100
38	M31	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	.932	.932	0	%100
2	M1	Z	.538	.538	0	%100
3	M2	X	.932	.932	0	%100
4	M2	Z	.538	.538	0	%100
5	MP2A	X	3.548	3.548	0	%100
6	MP2A	Z	2.049	2.049	0	%100
7	MP3A	X	3.548	3.548	0	%100
8	MP3A	Z	2.049	2.049	0	%100
9	MP4A	X	3.548	3.548	0	%100
10	MP4A	Z	2.049	2.049	0	%100
11	M17	X	4.14	4.14	0	%100
12	M17	Z	2.39	2.39	0	%100
13	M20	X	3.138	3.138	0	%100
14	M20	Z	1.812	1.812	0	%100
15	M19	X	3.831	3.831	0	%100
16	M19	Z	2.212	2.212	0	%100
17	M20A	X	3.831	3.831	0	%100
18	M20A	Z	2.212	2.212	0	%100
19	M21	X	2.4	2.4	0	%100
20	M21	Z	1.386	1.386	0	%100
21	M22	X	2.4	2.4	0	%100
22	M22	Z	1.386	1.386	0	%100
23	M23	X	1.966	1.966	0	%100
24	M23	Z	1.135	1.135	0	%100
25	M24	X	1.966	1.966	0	%100
26	M24	Z	1.135	1.135	0	%100
27	M25	X	1.149	1.149	0	%100
28	M25	Z	.663	.663	0	%100
29	M26	X	1.149	1.149	0	%100
30	M26	Z	.663	.663	0	%100
31	MP1A	Х	3.548	3.548	0	%100

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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,%]
32	MP1A	Z	2.049	2.049	0	%100
33	M29	X	3.503	3.503	0	%100
34	M29	Z	2.022	2.022	0	%100
35	M30	X	.52	.52	0	%100
36	M30	Z	.3	.3	0	%100
37	M31	X	.646	.646	0	%100
38	M31	Z	.373	.373	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	1.614	1.614	0	%100
2	M1	Z	2.795	2.795	0	%100
3	M2	X	1.614	1.614	0	%100
4	M2	Z	2.795	2.795	0	%100
5	MP2A	X	2.049	2.049	0	%100
6	MP2A	Z	3.548	3.548	0	%100
7	MP3A	X	2.049	2.049	0	%100
8	MP3A	Z	3.548	3.548	0	%100
9	MP4A	X	2.049	2.049	0	%100
10	MP4A	Z	3.548	3.548	0	%100
11	M17	X	2.39	2.39	0	%100
12	M17	Z	4.14	4.14	0	%100
13	M20	X	1.168	1.168	0	%100
14	M20	Z	2.024	2.024	0	%100
15	M19	X	.737	.737	0	%100
16	M19	Z	1.277	1.277	0	%100
17	M20A	X	.737	.737	0	%100
18	M20A	Z	1.277	1.277	0	%100
19	M21	X	.462	.462	0	%100
20	M21	Z	.8	.8	0	%100
21	M22	X	.462	.462	0	%100
22	M22	Z	.8	.8	0	%100
23	M23	X	.378	.378	0	%100
24	M23	Z	.655	.655	0	%100
25	M24	Χ	.378	.378	0	%100
26	M24	Z	.655	.655	0	%100
27	M25	X	.221	.221	0	%100
28	M25	Z	.383	.383	0	%100
29	M26	X	.221	.221	0	%100
30	M26	Z	.383	.383	0	%100
31	MP1A	X	2.049	2.049	0	%100
32	MP1A	Z	3.548	3.548	0	%100
33	M29	X	2.575	2.575	0	%100
34	M29	Z	4.461	4.461	0	%100
35	M30	X	.853	.853	0	%100
36	M30	Z	1.478	1.478	0	%100
37	M31	X	.008	.008	0	%100
38	M31	Z	.013	.013	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,%]

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June 11, 2021 4:18 PM Checked By:_

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,%]
1	M1	X	0	0	0	%100
2	M1	Z	4.304	4.304	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	4.304	4.304	0	%100
5	MP2A	X	0	0	0	%100
6	MP2A	Z	4.097	4.097	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	4.097	4.097	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	4.097	4.097	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	4.78	4.78	0	%100
13	M20	X	0	0	0	%100
14	M20	Z	.554	.554	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20A	X	0	0	0	%100
18	M20A	Z	0	0	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	4.097	4.097	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	3.982	3.982	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	3.982	3.982	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	1.158	1.158	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	-1.614	-1.614	0	%100
2	M1	Z	2.795	2.795	0	%100
3	M2	X	-1.614	-1.614	0	%100
4	M2	Z	2.795	2.795	0	%100
5	MP2A	X	-2.049	-2.049	0	%100
6	MP2A	Z	3.548	3.548	0	%100
7	MP3A	X	-2.049	-2.049	0	%100
8	MP3A	Z	3.548	3.548	0	%100
9	MP4A	X	-2.049	-2.049	0	%100
10	MP4A	Z	3.548	3.548	0	%100

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: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:__

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,%]
11	M17	X	-2.39	-2.39	0	%100
12	M17	Z	4.14	4.14	0	%100
13	M20	X	029	029	0	%100
14	M20	Z	.05	.05	0	%100
15	M19	X	737	737	0	%100
16	M19	Z	1.277	1.277	0	%100
17	M20A	X	737	737	0	%100
18	M20A	Z	1.277	1.277	0	%100
19	M21	X	462	462	0	%100
20	M21	Z	.8	.8	0	%100
21	M22	X	462	462	0	%100
22	M22	Z	.8	.8	0	%100
23	M23	X	378	378	0	%100
24	M23	Z	.655	.655	0	%100
25	M24	X	378	378	0	%100
26	M24	Z	.655	.655	0	%100
27	M25	X	221	221	0	%100
28	M25	Z	.383	.383	0	%100
29	M26	X	221	221	0	%100
30	M26	Z	.383	.383	0	%100
31	MP1A	X	-2.049	-2.049	0	%100
32	MP1A	Z	3.548	3.548	0	%100
33	M29	Χ	853	853	0	%100
34	M29	Z	1.478	1.478	0	%100
35	M30	X	-2.575	-2.575	0	%100
36	M30	Z	4.461	4.461	0	%100
37	M31	Χ	-1.516	-1.516	0	%100
38	M31	Z	2.626	2.626	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	932	932	0	%100
2	M1	Z	.538	.538	0	%100
3	M2	X	932	932	0	%100
4	M2	Z	.538	.538	0	%100
5	MP2A	X	-3.548	-3.548	0	%100
6	MP2A	Z	2.049	2.049	0	%100
7	MP3A	X	-3.548	-3.548	0	%100
8	MP3A	Z	2.049	2.049	0	%100
9	MP4A	X	-3.548	-3.548	0	%100
10	MP4A	Z	2.049	2.049	0	%100
11	M17	X	-4.14	-4.14	0	%100
12	M17	Z	2.39	2.39	0	%100
13	M20	X	-1.164	-1.164	0	%100
14	M20	Z	.672	.672	0	%100
15	M19	X	-3.831	-3.831	0	%100
16	M19	Z	2.212	2.212	0	%100
17	M20A	X	-3.831	-3.831	0	%100
18	M20A	Z	2.212	2.212	0	%100
19	M21	X	-2.4	-2.4	0	%100
20	M21	Z	1.386	1.386	0	%100

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: 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:__

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
21	M22	Χ	-2.4	-2.4	0	%100
22	M22	Z	1.386	1.386	0	%100
23	M23	Χ	-1.966	-1.966	0	%100
24	M23	Z	1.135	1.135	0	%100
25	M24	X	-1.966	-1.966	0	%100
26	M24	Z	1.135	1.135	0	%100
27	M25	X	-1.149	-1.149	0	%100
28	M25	Z	.663	.663	0	%100
29	M26	Χ	-1.149	-1.149	0	%100
30	M26	Z	.663	.663	0	%100
31	MP1A	Χ	-3.548	-3.548	0	%100
32	MP1A	Z	2.049	2.049	0	%100
33	M29	Χ	52	52	0	%100
34	M29	Z	.3	.3	0	%100
35	M30	Χ	-3.503	-3.503	0	%100
36	M30	Z	2.022	2.022	0	%100
37	M31	Χ	-3.26	-3.26	0	%100
38	M31	Z	1.882	1.882	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	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP2A	X	-4.097	-4.097	0	%100
6	MP2A	Z	0	0	0	%100
7	MP3A	X	-4.097	-4.097	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	Х	-4.097	-4.097	0	%100
10	MP4A	Z	0	0	0	%100
11	M17	X	-4.78	-4.78	0	%100
12	M17	Z	0	0	0	%100
13	M20	Х	-3.127	-3.127	0	%100
14	M20	Z	0	0	0	%100
15	M19	Х	-5.898	-5.898	0	%100
16	M19	Z	0	0	0	%100
17	M20A	Х	-5.898	-5.898	0	%100
18	M20A	Z	0	0	0	%100
19	M21	X	-3.696	-3.696	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-3.696	-3.696	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	-3.027	-3.027	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	-3.027	-3.027	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	-1.769	-1.769	0	%100
28	M25	Z	0	0	0	%100
29	M26	Х	-1.769	-1.769	0	%100
30	M26	Z	0	0	0	%100

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: 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:__

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,%]
31	MP1A	X	-4.097	-4.097	0	%100
32	MP1A	Z	0	0	0	%100
33	M29	X	-1.769	-1.769	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	-1.769	-1.769	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-2.621	-2.621	0	%100
38	M31	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	932	932	0	%100
2	M1	Z	538	538	0	%100
3	M2	X	932	932	0	%100
4	M2	Z	538	538	0	%100
5	MP2A	X	-3.548	-3.548	0	%100
6	MP2A	Z	-2.049	-2.049	0	%100
7	MP3A	X	-3.548	-3.548	0	%100
8	MP3A	Z	-2.049	-2.049	0	%100
9	MP4A	X	-3.548	-3.548	0	%100
10	MP4A	Z	-2.049	-2.049	0	%100
11	M17	X	-4.14	-4.14	0	%100
12	M17	Z	-2.39	-2.39	0	%100
13	M20	X	-3.138	-3.138	0	%100
14	M20	Z	-1.812	-1.812	0	%100
15	M19	X	-3.831	-3.831	0	%100
16	M19	Z	-2.212	-2.212	0	%100
17	M20A	X	-3.831	-3.831	0	%100
18	M20A	Z	-2.212	-2.212	0	%100
19	M21	X	-2.4	-2.4	0	%100
20	M21	Z	-1.386	-1.386	0	%100
21	M22	X	-2.4	-2.4	0	%100
22	M22	Z	-1.386	-1.386	0	%100
23	M23	X	-1.966	-1.966	0	%100
24	M23	Z	-1.135	-1.135	0	%100
25	M24	X	-1.966	-1.966	0	%100
26	M24	Z	-1.135	-1.135	0	%100
27	M25	X	-1.149	-1.149	0	%100
28	M25	Z	663	663	0	%100
29	M26	X	-1.149	-1.149	0	%100
30	M26	Z	663	663	0	%100
31	MP1A	Х	-3.548	-3.548	0	%100
32	MP1A	Z	-2.049	-2.049	0	%100
33	M29	Х	-3.503	-3.503	0	%100
34	M29	Z	-2.022	-2.022	0	%100
35	M30	X	52	52	0	%100
36	M30	Z	3	3	0	%100
37	M31	X	646	646	0	%100
38	M31	Z	373	373	0	%100

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: 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:__

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	-1.614	-1.614	0	%100
2	M1	Z	-2.795	-2.795	0	%100
3	M2	X	-1.614	-1.614	0	%100
4	M2	Z	-2.795	-2.795	0	%100
5	MP2A	X	-2.049	-2.049	0	%100
6	MP2A	Z	-3.548	-3.548	0	%100
7	MP3A	X	-2.049	-2.049	0	%100
8	MP3A	Z	-3.548	-3.548	0	%100
9	MP4A	X	-2.049	-2.049	0	%100
10	MP4A	Z	-3.548	-3.548	0	%100
11	M17	X	-2.39	-2.39	0	%100
12	M17	Z	-4.14	-4.14	0	%100
13	M20	X	-1.168	-1.168	0	%100
14	M20	Z	-2.024	-2.024	0	%100
15	M19	X	737	737	0	%100
16	M19	Z	-1.277	-1.277	0	%100
17	M20A	X	737	737	0	%100
18	M20A	Z	-1.277	-1.277	0	%100
19	M21	X	462	462	0	%100
20	M21	Z	8	8	0	%100
21	M22	X	462	462	0	%100
22	M22	Z	8	8	0	%100
23	M23	X	378	378	0	%100
24	M23	Z	655	655	0	%100
25	M24	X	378	378	0	%100
26	M24	Z	655	655	0	%100
27	M25	X	221	221	0	%100
28	M25	Z	383	383	0	%100
29	M26	X	221	221	0	%100
30	M26	Z	383	383	0	%100
31	MP1A	X	-2.049	-2.049	0	%100
32	MP1A	Z	-3.548	-3.548	0	%100
33	M29	X	-2.575	-2.575	0	%100
34	M29	Z	-4.461	-4.461	0	%100
35	M30	X	853	853	0	%100
36	M30	Z	-1.478	-1.478	0	%100
37	M31	X	008	008	0	%100
38	M31	Z	013	013	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	628	628	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	628	628	0	%100
5	MP2A	X	0	0	0	%100
6	MP2A	Z	628	628	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	628	628	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	628	628	0	%100

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: 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:__

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,%]
11	M17	X	0	0	0	%100
12	M17	Z	773	773	0	%100
13	M20	X	0	0	0	%100
14	M20	Z	066	066	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20A	X	0	0	0	%100
18	M20A	Z	0	0	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	Χ	0	0	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	MP1A	X	0	0	0	%100
32	MP1A	Z	628	628	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	829	829	0	%100
35	M30	Χ	0	0	0	%100
36	M30	Z	829	829	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	134	134	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	.235	.235	0	%100
2	M1	Z	408	408	0	%100
3	M2	X	.235	.235	0	%100
4	M2	Z	408	408	0	%100
5	MP2A	Χ	.314	.314	0	%100
6	MP2A	Z	544	544	0	%100
7	MP3A	X	.314	.314	0	%100
8	MP3A	Z	544	544	0	%100
9	MP4A	Χ	.314	.314	0	%100
10	MP4A	Z	544	544	0	%100
11	M17	Χ	.386	.386	0	%100
12	M17	Z	669	669	0	%100
13	M20	Χ	.003	.003	0	%100
14	M20	Z	006	006	0	%100
15	M19	Χ	.198	.198	0	%100
16	M19	Z	343	343	0	%100
17	M20A	Χ	.198	.198	0	%100
18	M20A	Z	343	343	0	%100
19	M21	Χ	.099	.099	0	%100
20	M21	Z	172	172	0	%100

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: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:__

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,%]
21	M22	X	.099	.099	0	%100
22	M22	Z	172	172	0	%100
23	M23	Χ	.069	.069	0	%100
24	M23	Z	119	119	0	%100
25	M24	X	.069	.069	0	%100
26	M24	Z	119	119	0	%100
27	M25	Χ	.012	.012	0	%100
28	M25	Z	021	021	0	%100
29	M26	Χ	.012	.012	0	%100
30	M26	Z	021	021	0	%100
31	MP1A	Χ	.314	.314	0	%100
32	MP1A	Z	544	544	0	%100
33	M29	Χ	.178	.178	0	%100
34	M29	Z	308	308	0	%100
35	M30	Χ	.536	.536	0	%100
36	M30	Z	929	929	0	%100
37	M31	Χ	.176	.176	0	%100
38	M31	Z	305	305	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	.136	.136	0	%100
2	M1	Z	078	078	0	%100
3	M2	X	.136	.136	0	%100
4	M2	Z	078	078	0	%100
5	MP2A	Х	.544	.544	0	%100
6	MP2A	Z	314	314	0	%100
7	MP3A	X	.544	.544	0	%100
8	MP3A	Z	314	314	0	%100
9	MP4A	Х	.544	.544	0	%100
10	MP4A	Z	314	314	0	%100
11	M17	Х	.669	.669	0	%100
12	M17	Z	386	386	0	%100
13	M20	X	.139	.139	0	%100
14	M20	Z	08	08	0	%100
15	M19	Х	1.03	1.03	0	%100
16	M19	Z	595	595	0	%100
17	M20A	Х	1.03	1.03	0	%100
18	M20A	Z	595	- .595	0	%100
19	M21	Х	.515	.515	0	%100
20	M21	Z	297	297	0	%100
21	M22	Х	.515	.515	0	%100
22	M22	Z	297	297	0	%100
23	M23	Х	.358	.358	0	%100
24	M23	Z	207	207	0	%100
25	M24	X	.358	.358	0	%100
26	M24	Z	207	207	0	%100
27	M25	X	.064	.064	0	%100
28	M25	Z	037	037	0	%100
29	M26	Х	.064	.064	0	%100
30	M26	Z	037	037	0	%100

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June 11, 2021 4:18 PM Checked By:___

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,%]
31	MP1A	X	.544	.544	0	%100
32	MP1A	Z	314	314	0	%100
33	M29	Χ	.108	.108	0	%100
34	M29	Z	062	062	0	%100
35	M30	X	.729	.729	0	%100
36	M30	Z	421	421	0	%100
37	M31	X	.378	.378	0	%100
38	M31	Z	218	218	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	Χ	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP2A	X	.628	.628	0	%100
6	MP2A	Z	0	0	0	%100
7	MP3A	X	.628	.628	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	.628	.628	0	%100
10	MP4A	Z	0	0	0	%100
11	M17	X	.773	.773	0	%100
12	M17	Z	0	0	0	%100
13	M20	X	.373	.373	0	%100
14	M20	Z	0	0	0	%100
15	M19	X	1.585	1.585	0	%100
16	M19	Z	0	0	0	%100
17	M20A	X	1.585	1.585	0	%100
18	M20A	Z	0	0	0	%100
19	M21	X	.793	.793	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	.793	.793	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	.552	.552	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	.552	.552	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	.099	.099	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	.099	.099	0	%100
30	M26	Z	0	0	0	%100
31	MP1A	Χ	.628	.628	0	%100
32	MP1A	Z	0	0	0	%100
33	M29	X	.368	.368	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	.368	.368	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	.304	.304	0	%100
38	M31	Z	0	0	0	%100

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June 11, 2021 4:18 PM Checked By:__

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	.136	.136	0	%100
2	M1	Z	.078	.078	0	%100
3	M2	X	.136	.136	0	%100
4	M2	Z	.078	.078	0	%100
5	MP2A	X	.544	.544	0	%100
6	MP2A	Z	.314	.314	0	%100
7	MP3A	X	.544	.544	0	%100
8	MP3A	Z	.314	.314	0	%100
9	MP4A	X	.544	.544	0	%100
10	MP4A	Z	.314	.314	0	%100
11	M17	X	.669	.669	0	%100
12	M17	Z	.386	.386	0	%100
13	M20	X	.374	.374	0	%100
14	M20	Z	.216	.216	0	%100
15	M19	X	1.03	1.03	0	%100
16	M19	Z	.595	.595	0	%100
17	M20A	X	1.03	1.03	0	%100
18	M20A	Z	.595	.595	0	%100
19	M21	X	.515	.515	0	%100
20	M21	Z	.297	.297	0	%100
21	M22	X	.515	.515	0	%100
22	M22	Z	.297	.297	0	%100
23	M23	X	.358	.358	0	%100
24	M23	Z	.207	.207	0	%100
25	M24	X	.358	.358	0	%100
26	M24	Z	.207	.207	0	%100
27	M25	X	.064	.064	0	%100
28	M25	Z	.037	.037	0	%100
29	M26	X	.064	.064	0	%100
30	M26	Z	.037	.037	0	%100
31	MP1A	X	.544	.544	0	%100
32	MP1A	Z	.314	.314	0	%100
33	M29	X	.729	.729	0	%100
34	M29	Z	.421	.421	0	%100
35	M30	X	.108	.108	0	%100
36	M30	Z	.062	.062	0	%100
37	M31	X	.075	.075	0	%100
38	M31	Z	.043	.043	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	.235	.235	0	%100
2	M1	Z	.408	.408	0	%100
3	M2	X	.235	.235	0	%100
4	M2	Z	.408	.408	0	%100
5	MP2A	X	.314	.314	0	%100
6	MP2A	Z	.544	.544	0	%100
7	MP3A	X	.314	.314	0	%100
8	MP3A	Z	.544	.544	0	%100
9	MP4A	X	.314	.314	0	%100
10	MP4A	Z	.544	.544	0	%100

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: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:___

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,%]
11	M17	X	.386	.386	0	%100
12	M17	Z	.669	.669	0	%100
13	M20	X	.139	.139	0	%100
14	M20	Z	.241	.241	0	%100
15	M19	X	.198	.198	0	%100
16	M19	Z	.343	.343	0	%100
17	M20A	X	.198	.198	0	%100
18	M20A	Z	.343	.343	0	%100
19	M21	X	.099	.099	0	%100
20	M21	Z	.172	.172	0	%100
21	M22	X	.099	.099	0	%100
22	M22	Z	.172	.172	0	%100
23	M23	Χ	.069	.069	0	%100
24	M23	Z	.119	.119	0	%100
25	M24	X	.069	.069	0	%100
26	M24	Z	.119	.119	0	%100
27	M25	X	.012	.012	0	%100
28	M25	Z	.021	.021	0	%100
29	M26	X	.012	.012	0	%100
30	M26	Z	.021	.021	0	%100
31	MP1A	X	.314	.314	0	%100
32	MP1A	Z	.544	.544	0	%100
33	M29	X	.536	.536	0	%100
34	M29	Z	.929	.929	0	%100
35	M30	Χ	.178	.178	0	%100
36	M30	Z	.308	.308	0	%100
37	M31	X	.000872	.000872	0	%100
38	M31	Z	.002	.002	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	.628	.628	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.628	.628	0	%100
5	MP2A	X	0	0	0	%100
6	MP2A	Z	.628	.628	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	.628	.628	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	.628	.628	0	%100
11	M17	Χ	0	0	0	%100
12	M17	Z	.773	.773	0	%100
13	M20	Χ	0	0	0	%100
14	M20	Z	.066	.066	0	%100
15	M19	Χ	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20A	Χ	0	0	0	%100
18	M20A	Z	0	0	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100

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: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:___

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,%]
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	Χ	0	0	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	Χ	0	0	0	%100
30	M26	Z	0	0	0	%100
31	MP1A	Χ	0	0	0	%100
32	MP1A	Z	.628	.628	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	.829	.829	0	%100
35	M30	Χ	0	0	0	%100
36	M30	Z	.829	.829	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	.134	.134	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	Χ	235	235	0	%100
2	M1	Z	.408	.408	0	%100
3	M2	X	235	235	0	%100
4	M2	Z	.408	.408	0	%100
5	MP2A	X	314	314	0	%100
6	MP2A	Z	.544	.544	0	%100
7	MP3A	Χ	314	314	0	%100
8	MP3A	Z	.544	.544	0	%100
9	MP4A	X	314	314	0	%100
10	MP4A	Z	.544	.544	0	%100
11	M17	Х	386	386	0	%100
12	M17	Z	.669	.669	0	%100
13	M20	Х	003	003	0	%100
14	M20	Z	.006	.006	0	%100
15	M19	X	198	198	0	%100
16	M19	Z	.343	.343	0	%100
17	M20A	Х	198	198	0	%100
18	M20A	Z	.343	.343	0	%100
19	M21	Х	099	099	0	%100
20	M21	Z	.172	.172	0	%100
21	M22	Х	099	099	0	%100
22	M22	Z	.172	.172	0	%100
23	M23	Х	069	069	0	%100
24	M23	Z	.119	.119	0	%100
25	M24	X	069	069	0	%100
26	M24	Z	.119	.119	0	%100
27	M25	X	012	012	0	%100
28	M25	Z	.021	.021	0	%100
29	M26	X	012	012	0	%100
30	M26	Z	.021	.021	0	%100

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: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:___

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,%]
31	MP1A	X	314	314	0	%100
32	MP1A	Z	.544	.544	0	%100
33	M29	X	178	178	0	%100
34	M29	Z	.308	.308	0	%100
35	M30	X	536	536	0	%100
36	M30	Z	.929	.929	0	%100
37	M31	X	176	176	0	%100
38	M31	Z	.305	.305	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	Χ	136	136	0	%100
2	M1	Z	.078	.078	0	%100
3	M2	Χ	- 136	136	0	%100
4	M2	Z	.078	.078	0	%100
5	MP2A	X	544	544	0	%100
6	MP2A	Z	.314	.314	0	%100
7	MP3A	X	544	544	0	%100
8	MP3A	Z	.314	.314	0	%100
9	MP4A	X	544	544	0	%100
10	MP4A	Z	.314	.314	0	%100
11	M17	X	669	669	0	%100
12	M17	Z	.386	.386	0	%100
13	M20	Х	139	139	0	%100
14	M20	Z	.08	.08	0	%100
15	M19	Х	-1.03	-1.03	0	%100
16	M19	Z	.595	.595	0	%100
17	M20A	X	-1.03	-1.03	0	%100
18	M20A	Z	.595	.595	0	%100
19	M21	Х	515	515	0	%100
20	M21	Z	.297	.297	0	%100
21	M22	X	515	515	0	%100
22	M22	Z	.297	.297	0	%100
23	M23	Х	358	358	0	%100
24	M23	Z	.207	.207	0	%100
25	M24	X	358	358	0	%100
26	M24	Z	.207	.207	0	%100
27	M25	Χ	064	064	0	%100
28	M25	Z	.037	.037	0	%100
29	M26	Χ	064	064	0	%100
30	M26	Z	.037	.037	0	%100
31	MP1A	Х	544	544	0	%100
32	MP1A	Z	.314	.314	0	%100
33	M29	Х	108	108	0	%100
34	M29	Z	.062	.062	0	%100
35	M30	Χ	729	729	0	%100
36	M30	Z	.421	.421	0	%100
37	M31	X	378	378	0	%100
38	M31	Z	.218	.218	0	%100

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: : 468160-VZW_MT_LOT_SectorA_H June 11, 2021 4:18 PM Checked By:___

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	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP2A	X	628	628	0	%100
6	MP2A	Z	0	0	0	%100
7	MP3A	X	628	628	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	628	628	0	%100
10	MP4A	Z	0	0	0	%100
11	M17	X	773	773	0	%100
12	M17	Z	0	0	0	%100
13	M20	X	373	373	0	%100
14	M20	Z	0	0	0	%100
15	M19	X	-1.585	-1.585	0	%100
16	M19	Z	0	0	0	%100
17	M20A	X	-1.585	-1.585	0	%100
18	M20A	Z	0	0	0	%100
19	M21	X	793	793	0	%100
20	M21	Z	0	0	0	%100
21	M22	Χ	793	793	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	552	552	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	552	552	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	099	099	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	099	099	0	%100
30	M26	Z	0	0	0	%100
31	MP1A	X	628	628	0	%100
32	MP1A	Z	0	0	0	%100
33	M29	X	368	368	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	368	368	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	304	304	0	%100
38	M31	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	136	136	0	%100
2	M1	Z	078	078	0	%100
3	M2	X	136	136	0	%100
4	M2	Z	078	078	0	%100
5	MP2A	X	544	544	0	%100
6	MP2A	Z	314	314	0	%100
7	MP3A	X	544	544	0	%100
8	MP3A	Z	314	314	0	%100
9	MP4A	X	544	544	0	%100
10	MP4A	Z	314	314	0	%100

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June 11, 2021 4:18 PM Checked By:___

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,%]
11	M17	Х	669	669	0	%100
12	M17	Z	386	386	0	%100
13	M20	X	374	374	0	%100
14	M20	Z	216	216	0	%100
15	M19	X	-1.03	-1.03	0	%100
16	M19	Z	595	595	0	%100
17	M20A	X	-1.03	-1.03	0	%100
18	M20A	Z	595	595	0	%100
19	M21	X	515	515	0	%100
20	M21	Z	297	297	0	%100
21	M22	X	515	515	0	%100
22	M22	Z	297	297	0	%100
23	M23	Χ	358	358	0	%100
24	M23	Z	207	207	0	%100
25	M24	X	358	358	0	%100
26	M24	Z	207	207	0	%100
27	M25	X	064	064	0	%100
28	M25	Z	037	037	0	%100
29	M26	Χ	064	064	0	%100
30	M26	Z	037	037	0	%100
31	MP1A	Χ	544	544	0	%100
32	MP1A	Z	314	314	0	%100
33	M29	X	729	729	0	%100
34	M29	Z	421	421	0	%100
35	M30	X	108	108	0	%100
36	M30	Z	062	062	0	%100
37	M31	X	075	075	0	%100
38	M31	Z	043	043	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	235	235	0	%100
2	M1	Z	408	408	0	%100
3	M2	Χ	235	235	0	%100
4	M2	Z	408	408	0	%100
5	MP2A	Χ	314	314	0	%100
6	MP2A	Z	544	- .544	0	%100
7	MP3A	X	314	314	0	%100
8	MP3A	Z	544	- .544	0	%100
9	MP4A	Χ	314	314	0	%100
10	MP4A	Z	544	- .544	0	%100
11	M17	Χ	386	386	0	%100
12	M17	Z	669	669	0	%100
13	M20	Χ	139	139	0	%100
14	M20	Z	241	241	0	%100
15	M19	Χ	198	198	0	%100
16	M19	Z	343	343	0	%100
17	M20A	Χ	198	198	0	%100
18	M20A	Z	343	343	0	%100
19	M21	Χ	099	099	0	%100
20	M21	Z	172	172	0	%100

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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,%]
21	M22	Χ	099	099	0	%100
22	M22	Z	172	172	0	%100
23	M23	Χ	069	069	0	%100
24	M23	Z	119	119	0	%100
25	M24	X	069	069	0	%100
26	M24	Z	119	119	0	%100
27	M25	Χ	012	012	0	%100
28	M25	Z	021	021	0	%100
29	M26	Χ	012	012	0	%100
30	M26	Z	021	021	0	%100
31	MP1A	Χ	314	314	0	%100
32	MP1A	Z	544	544	0	%100
33	M29	Χ	536	536	0	%100
34	M29	Z	929	929	0	%100
35	M30	Χ	178	178	0	%100
36	M30	Z	308	308	0	%100
37	M31	Χ	000872	000872	0	%100
38	M31	Z	002	002	0	%100

Member Area Loads

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

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N36	max	1542.038	45	833.337	14	1222.673	13	- 027	8	0	51	.035	45
2		min	-954.677	3	137.92	8	-246.545	7	167	14	0	1	022	3
3	N37	max	954.193	3	739.099	14	214.131	1	029	8	0	51	.035	45
4		min	-1556.415	45	150.78	8	-403.81	7	153	14	0	1	022	3
5	N39	max	266.111	6	32.657	21	920.338	12	0	51	0	51	0	51
6		min	-378.751	12	5.887	36	-666.582	6	0	1	0	1	0	1
7	N50	max	1831.034	11	1201.812	20	-120.107	2	.003	18	.001	6	.003	48
8		min	-1869.095	5	144.555	2	-1561.1	20	001	12	002	48	002	6
9	N54	max	508.334	2	59.23	14	796.796	2	0	51	0	51	0	51
10		min	-321.316	8	13.343	7	-530.244	8	0	1	0	1	0	1
11	Totals:	max	1485.445	11	2734.611	15	2307.065	1						
12		min	-1485.425	5	946.94	11	-2307.029	7						

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

	Member	Shape	Code C	. Loc[ft]	LC	Shear	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y	.phi*Mn z	.Cb	Eqn
1	M1	PIPE_2.0	.608	7.5	47	.163	7.5		7	4371.821	32130	1.872	1.872	2	H1-1a
2	M2	PIPE_2.0	.726	3.594	9	.182	7.5		2	4371.821	32130	1.872	1.872	1	H1-1a
3	MP2A	PIPE_2.5	.328	5.125	47	.144	5.125		3	37773.818	50715	3.596	3.596	2	H1-1b
4	MP3A	PIPE_2.0	.353	2.125	27	.142	5.125		12	20866.733	32130	1.872	1.872	2	H1-1b
5	MP4A	PIPE_2.0	.282	5.125	49	.114	2.125		12	20866.733	32130	1.872	1.872	2	H1-1b
6	M17	PIPE_4.0	.233	4.375	47	.399	.99		45	86073.938	93240	10.631	10.631	2	H3-6
7	M20	PIPE_1.25	.153	6.669	12	.006	6.669		23	6490.591	19687.5	.801	.801	1	H1-1b*



: Maser Consulting

Model Name : 468160-VZW_MT_LOT_SectorA_H

June 11, 2021 4:18 PM Checked By:___

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

	Member	Shape	Code C	. Loc[ft]	LC	Shear	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y	phi*Mn z	.Cb	Eqn
8	M19	WT6X3/8_H	.414	0	47	.070	0	Z	45	109635.7	123444	10.125	6.874	1	H1-1b
9	M20A	WT6X3/8_H	.437	0	47	.070	.616	z	45	109635.7	123444	10.125	6.874	1	H1-1b
10	M21	WT3X3/8	.541	0	47	.172	0	Z	45	60128.959	71604	6.399	2.373	1	H1-1b
11	M22	WT3X3/8	.586	0	47	.172	.611	z	45	60128.959	71604	6.399	2.373	1	H1-1b
12	M23	WT1x3/8	.116	0	45	.107	.616	у	24	130755.1	143208	11.907	10.827	1	H1-1b
13	M24	WT1x3/8	.119	0	47	.121	.616	у	24	130755.1	143208	11.907	10.827	1	H1-1b
14	M25	PL3/8x6	.270	.25	14	.134	0	у	45	70011.207	72900	.57	9.113	1	H1-1b
15	M26	PL3/8x6	.301	.25	14	.134	.25	у	45	70011.207	72900	.57	9.113	1	H1-1b
16	MP1A	PIPE_2.0	.592	2.125	38	.137	2.125		3	20866.733	32130	1.872	1.872	2	H1-1b
17	M29	L2.5x2.5x4	.091	2.443	23	.019	0	z	12	17697.342	38556	1.114	2.261	1	H2-1
18	M30	L2.5x2.5x4	.093	2.443	14	.023	0	z	37	17697.345	38556	1.114	2.261	1	H2-1
19	M31	PIPE 2.0	.177	0	38	.007	8.925		15	12350.025	32130	1.872	1.872	1	H1-1b



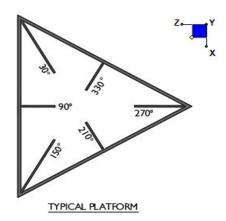
Client:	Verizon Wireless	Date:	6/16/2021
Site Name:	Coventry East CT		
Project No.	21777167A		
Title:	Mount Fix	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N36	90
N37	90



Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

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

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

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

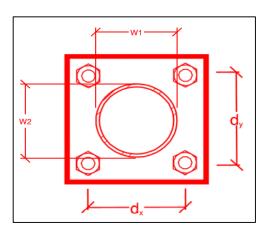
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes										
4										
6										
4										
A307										
0.625										
1.8										
1.6										
10.0										
6.0										
4.6%*										
6.8%										



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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the 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:

- 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) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to https://pmi.vzwsmart.com as depicted on the drawings

Photo Requirements:

- Base and "During Installation Photos"
 - Base pictures include

Photo of Gate Signs showing the tower owner, site name, and number Photo of carrier shelter showing the carrier site name and number if available Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name

o "During Installation Photos if provided - must be placed only in this folder

• Photos taken at ground level

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

Photos taken at Mount Elevation

- Photos showing each individual sector before and also after installation of modifications. Each entire sector must be in one photo to show in the inter-connection of members.
 - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
- Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
- Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
- Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
- Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (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, a tape drop measurement shall be provided before the elevation change
- 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.

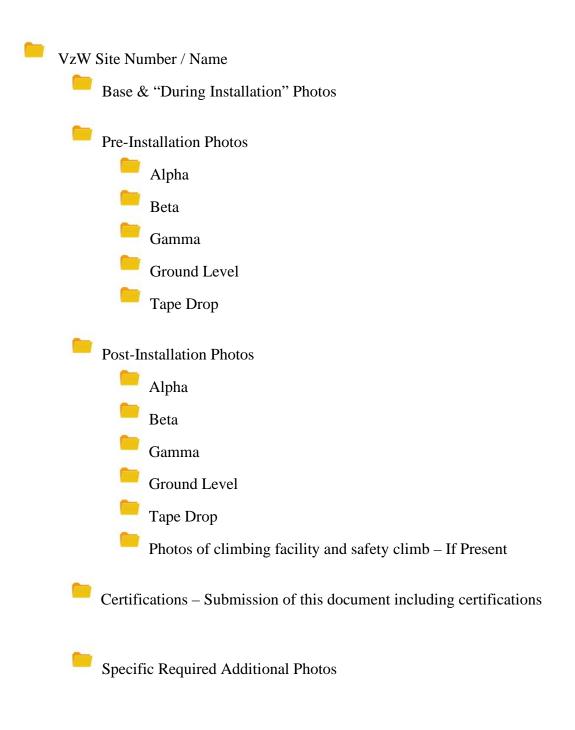
Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by Maser Consulting Connecticut.
 - If the drawings are as specified on the drawings
 - The contractor should provide the packing list or the materials utilized to perform the mount modification
 - If an equivalent is utilized
 - It is required that the Maser Consulting Connecticut certification of such is included in the contractor submission package. There may be an additional charge for this certification if the equivalent submission doesn't meet specifications as prescribed in the drawings.
- The contractor must certify that the materials meet these specifications by one of these methods.

Modif	ication Drawings and in	cluded	ied on the Maser Consulting Connecticut Mount a packing list or invoice for these materials
		•	valent" and included as part of the contractor submission is ertification, invoices, or specifications validating accepted
	Certifying Individual:	Company	
		Name	

	Signature										
Antenna & equipme	nt placement and Geometry Confirmation:										
	The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.										
	The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.										
☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.											
Certifying Individual:	Company										
	Name										
	Signature										
Issue:	/ Validation as required from the MA or Mod Drawings: I new safety climb wire rope guides to the existing tower leg to prevent interference with										

Schedule A – Photo & Document File Structure



Structure: 468160-VZW - COVENTRY EAST CT

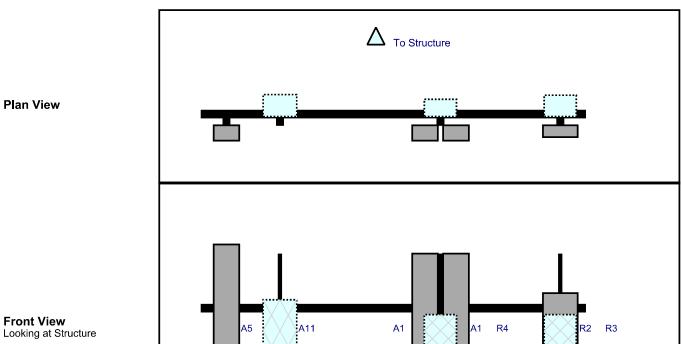
6/11/2021 Sector:

Structure Type: Self Support 10041326

4

3

Mount Elev: 149.00 Page: 1



Front View Looking at Structure

		Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
Ref#	Model	(in)	(in)	Frm L.	#	Pos V	Pos	Frm T.	H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	168	1	а	Front	36	0	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	168	1	а	Behind	36	0	Added	
A1	NHH-65B-R2B	72	11.9	112	2	а	Front	36	7.25	Added	
A1	NHH-65B-R2B	72	11.9	112	2	b	Front	36	-7.25	Added	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	112	2	а	Behind	36	0	Added	
A11	DB-B1-6C-12AB-0Z	28.9	15.7	37	3	а	Behind	36	0	Added	
A5	LNX-6514DS-A1M	80.6	11.9	12	4	а	Front	36	0	Retained	03/25/2021

2

1

Structure: 468160-VZW - COVENTRY EAST CT

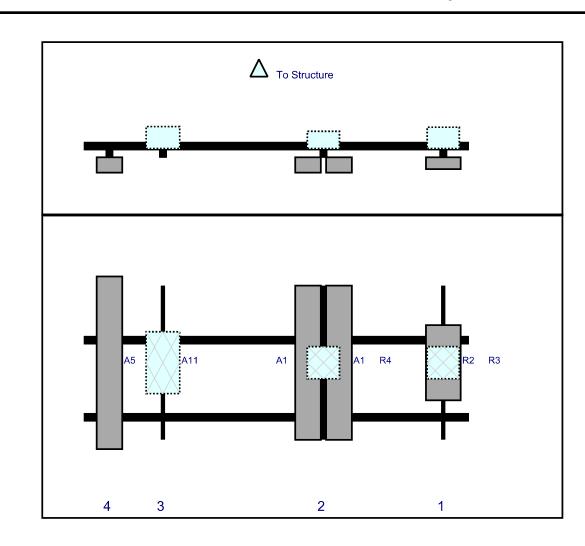
Sector: **B** 6/11/2021

Structure Type: Self Support 10041326

Mount Elev: 149.00 Page: 2



Front View Looking at Structure



		Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
Ref#	Model	(in)	(in)	Frm L.	#	Pos V	Pos	Frm T.	H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	168	1	а	Front	36	0	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	168	1	а	Behind	36	0	Added	
A1	NHH-65B-R2B	72	11.9	112	2	а	Front	36	7.25	Added	
A1	NHH-65B-R2B	72	11.9	112	2	b	Front	36	-7.25	Added	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	112	2	а	Behind	36	0	Added	
A11	DB-B1-6C-12AB-0Z	28.9	15.7	37	3	а	Behind	36	0	Added	
A5	LNX-6514DS-A1M	80.6	11.9	12	4	а	Front	36	0	Retained	03/25/2021

Structure: 468160-VZW - COVENTRY EAST CT

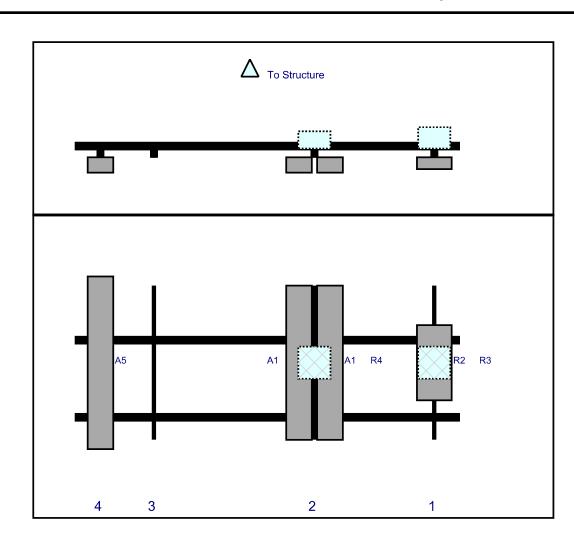
Sector: **C** 6/11/2021

Structure Type: Self Support 10041326

Mount Elev: 149.00 Page: 3



Front View Looking at Structure



		Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
Ref#	Model	(in)	(in)	Frm L.	#	Pos V	Pos	Frm T.	H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	168	1	а	Front	36	0	Added	
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	168	1	а	Behind	36	0	Added	
A1	NHH-65B-R2B	72	11.9	112	2	а	Front	36	7.25	Added	
A1	NHH-65B-R2B	72	11.9	112	2	b	Front	36	-7.25	Added	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	112	2	а	Behind	36	0	Added	
A5	LNX-6514DS-A1M	80.6	11.9	12	4	а	Front	36	0	Retained	03/25/2021



Maser Consulting Connecticut

<u>Subject</u> TIA-222-H Usage

<u>Site Information</u> Site ID: 468160-VZW / COVENTRY EAST CT

Site Name: COVENTRY EAST CT
Carrier Name: Verizon Wireless
Address: 1712 Main St

Coventry, Connecticut 06238

Tolland County

Latitude: 41.779932° Longitude: -72.309583°

<u>Structure Information</u>

Tower Type: Self Support

Mount Type: 15.00-Ft T-Frame

To Whom It May Concern,

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

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed maps by ASCE 7 based on updated studies of the wind data.

The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling methods, seismic analysis, 30-degree increment wind directions and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this tower site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Dejian Xu, PE

Technical Manager

Lejian Xu

- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER RUBLIC/GOVERNING AUTHORITIES.
- THE CONTRACTOR SHALL BE REPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
- THE CONTRACTOR SHALL BE RESONSIBLE FOR PROTECTING ALL SENSING SITE PHENOPHENTS FOR TO COMPRINCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AR REJUL FOR CONSTRUCTION OF THE FALLITY AT THE CONTRACTORS EXPENSE TO THE SATISFACTION OF THE CONNER.
 - THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MFERSLAE, EQUIPMENT AND LEAGN REQUIRED TO COPRLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BIOT O VERFOR THAT THE PROJECT CAN BE CONTRACTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWNINGS.
- THE CONTRACTOR SHALL VERFY ALL EXISTING DIMENSIONS AND COMPILIONS RIGHT OF COMPRENIENCE AND WORK, ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THEE DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THEE DIMENNIENCE OF SHALL NOTIFY THE CONSTRUCTION WANGES OF ANY DECREPANCIES REQUY ONDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
 - SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST EXERS WHICH WORKING ACCOUND HIGH LENELS OF ELECT ROAD-WANNING ACCOUND HIGH LENELS OF ELECT ROAD-WANNING AT FOR EXPORTING AND WORK THAT COULD BE PROSE THE WORKERS TO DANGER. PRESCALA IT EXPOSINE MONTHALLY DANGERS TO DANGER. PRESCALA IT FOR ANY POPIETALLY DANGERSOLE SPOSJARE LEVELS.
- NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
- THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

SHEET INDEX

- 7-1
 TITLE SHEET

 5-1
 BILL OF PATERALS

 5-2
 BILL OF PATERALS

 5-3
 MODIFICATION NOTES

 5-4
 MODIFICATION BETAILS

 5-5
 MODIFICATION DETAILS

 5-5
 MODIFICATION DETAILS

 5-6
 MOUNT PHOTOS

CONTRACTOR PMI REQUIREMENT

HTTPS://PMI.VZWSMART.COM 10069538 468160 16272141 PMI LOCATION: SMART TOOL PROJECT #: VZW LOCATION CODE (PSLC): FUZE ID:

PMI REQUIREMENTS

ON CONTAINED HEREIN IS TY FOR WHOM THE WORK CERTIFIED. THIS DRAWING D. DISTRIBUTED OR RELIED UT THE EXPRESS WRITTEN

MASER CONSULTING CONNECTICUT ALL RIGHTS RESERVED

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REFERENCED DOCUMENTS

MEW MEXICO
MARYLAND
GEORGIA
TEXAS
TEXAS
TENNÉSSEE
COLORADO MASER NEW JERSEY

NEW YORK

PENNSYLVANIA

YIGHNIA

PLONIDA

NOTH CAROLINA

SOUTH CAROLINA

Verizon

Verizon

MOUNT MODIFICATION DRAWINGS EXISTING 15.00' T-FRAME

SITE NAME: COVENTRY EAST CT SITE NUMBER: 468160

COVENTRY, CT 06238 TOLLAND COUNTY 1712 MAIN ST

PROJECT INFORMATION SITE INFORMATION

41.779932° N 72.309583° W TOLLAND COUNTY APPLICANT/LESSEE

VERIZON WIRELESS CLIENT REPRESENTATIVE COMPANY:

VERIZON WIRELESS
118 FLANDERS ROAD, THIRD FLOOR
WESTBOROUGH, MA 01881
ANDERW CANDIELLO
ANDREW CANDIELLO
ANDREW.CANDIELLO
ANDREW.CANDIELLO
ANDREW.CANDIELLO COMPANY:
ADDRESS:
CITY, STATE, ZIP:
CONTACT:
EMAIL:

MASER CONSULTING CONNECTICUT
PETER ALBANO
886-797-0412
PETER ALBANO@COLLIERSENGINEERING.COM PROJECT MANAGER

FAILING MOUNT ANALYSIS REPORT SMART TOOL PROJECT #: 10041326 MASER CONSULTING PROJECT #: 21/77167A ANALYSIS DATE: 5/62021













SITE NAME:

COVENTRY EAST CT 468160 1712 MAIN ST COVENTRY, CT 06238 TOLLAND COUNTY

M1. LAUREL OPFICE 2000 Malantic Drive 5uite 100 Yourt Laural, NJ 08054 T

Phone: 856.797.0412 Fax: 856.722.1120

TITLE SHEET

NOT SCALE DRAWINGS FOR CONSTRUCT

ERIALS	31.1	NOTES	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTUF STEEL' NOTES ON SHEET S-2	CONTRACTOR TO VERIFY THE LBNGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL S NOTES ON SHEET S-2) PARTS	NOTES	GALVANIZED					
BILL OF MATERIALS	STIN TAM SWICK	DESCRIPTION	V-BRACING KIT	TIE BACK ASSEMBLY	CROSSOVER PLATE					OTHER REQUIRED PARTS	DESCRIPTION	72" LONG, P2.5 STD					
		PART NUMBER	VZWSMART-SFK3	VZWSMART-SFK!	VZWSMART-MSKI						PART NUMBER	Ţ					
		MANUFACTURER				TOWNS	VZWSMAKI	•			MANUFACTURER	ı					
		QUANTITY	æ	ю	6						QUANTITY	ĸ					

NOTE: ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR

VZWSMART KITS - APPROVED VENDORS

	COMMSCOPE
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR, ANGUIANO @COMMSCOPE, COM
WEBSITE	WWW.COMMSCOPE.COM
	METROSITE FABRICATORS, LLC
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM
	PERFECTVISION
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM
	SABRE INDUSTRIES, INC.
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM
	SITE PRO 1
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	Paula.boswell@valmont.com
WEBSITE	WWW.SITEPROI.COM

WWW.STERROLCOM
NOTE: WHEN SPECIFIED, VZWSMART KITS SHALL BE REQUIRED AND
WILL BE VERIFIED DURING THE DESKTOP PMI



Verizon

56/16/2021

II IS A VIOLATION OF LAW FOR ANY PI UNLESS THEF ARE CATING UNDER THE DO OF THE RESOURCES, TO ENERS THE DOCUME BUGINEER, TO ALTER THE DOCUME STITE NAME;

COVENTRY EAST CT 468160

1712 MAIN ST COVENTRY, CT 06238 TOLLAND COUNTY

11. LAUREL OFFICE.
7200 Volume: Drive Date (No. 9054 Fore 85,277) 41. Z Fore 85,277) 41. Z Fore 85,277 (17.2)

BILL OF MATERIALS

<u>۲</u>

- 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.
 - CONTRACTOR SULL TAKE ALL BECALINON USESSARY TO PREVENT DAMAGE TO ENSTRUCTURES ANY DAMAGE TO ENSTRUCTURES ANY DAMAGE TO ENSTRUCTURES ANY RAWAGE TO ENSTRUCTURES ANY RESULT OF THE CONTRACTOR'S WORK ON ROOM DAMAGE DUE TO THE CONTRACTOR'S WORK ON RECONTRACTOR SUPPLY OF THE CONTRACTOR TO THE OWNER.
- ATTENTION OF THE BNGINER. IF THE CONTRACTOR DISCOVERS ANY EXSTRAC CONDITIONS THAT ARE NO THEREBERTED ON THEE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE BNGINER IMMEDIATELY. 3. CONTRACTOR SHALL VERIFY ALLDIMENSIONS AND EXISTING CONDITIONS
 BEFORE BEGINNING, WORK, ORDERING WATERIAL, AND REPRAINED OF SHOP
 BANNINGS, ANY DISCREANCIES BETWEN RELD. CONDITIONS AND THE
 CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS. 4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.

TECHNIQUES, SEQUENCES, AND PROCEDURES.

- 6. ALL CONSTRUCTION PREAKS AND METHODS. INCLUDING BUT NOT LIMITED TO RESCRIPT AND ASSOCIATION AND ASSOCIATION ASSOCIATION AND ASSOCIATION ASSOCIAT
 - THE CONTRACTOR IS SOLELY REPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
- 8. WORK SHALL ONLY BE PERCORMED DURING CALM DRY DAYS (WINDS LESS THAN SUPERP). THE STRUCTURE SHOWN ON THE DRAWNINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED DORN'THE CONTRACTORS SHALL BE RESPORBLE TO FEE THE STRUCTURE HAND STABLLY OF THE STRUCTURE DURING BRCATON CONTRACTOR SHALL PROVIDE STRUCTURE OF THE STRU PROPERTY AFTER THEIR USE.
- ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENINAS, ANSI/TIA-322.
 - 10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER ALL TENCE. EGFORABIC, GROUNDING, AND SURROUNDING, GRADE SHALL EREPLACED AND REPRIRED AS REQUIRED TO ACHIEFO OWNER APROVAL, POSITIVE D
- STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR, SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW. FROM TOWER SITE SHALL BE MAINTAINED.
 - DO NOT SCALE DRAWINGS.
 - DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
- 14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS, ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTRED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINERIN WAITING.
- THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

DESIGN LOADS

a BASIC WIND SPEED (3 SECOND GUST), V = 119 MPH b. EXPOSURE CATEGORY C

d MEAN BASE ELEVATION (AMSL) = 712.34" C TOPOGRAPHIC CATEGORY

CE LOADS

a, ICE WIND SPEED (3 SECOND GUST), V = 50 MPH

b. ICE THICKNESS = 1.50 IN SEISMIC LOADS a. SEISMIC DESIGN CATEGORY B

b. SHORT TERM MCER GROUND MOTION, S. = .188 C LONG TERM MCER GROUND MOTION, S = .055

STRUCTURAL STEEI

- DESIGN, DETAILING, FARRICATIONAND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
 - a. American institute of steel construction (aisc) manual of steel construction (1sth edition)
- b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS C. AISC CODE OF STANDARD PRACTICE
- 2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC. ASTM A38 (GR 36)
STREL PIPE
BOLTS
ASTM A325
NUTS
ASTM A355
NUTS
ASTM A363

LOCKING STRUCTURAL GRADE LOCK WASHERS

DOCUMENTATION TO ENGINEER FOR VERPYING THE SUBSTITUTE S
SUTNALE FOR USE AND NETS DOGINAL DISCHAG CHITICAL DIFFERENCES
FROM THE ORIGINAL DESIGN, INCLUDING PAINTENANCE, REPAR, AND
REPLACEMENT, SHALL BE NOTED, STITWATED OF COSTS/CREDITS ASSOCIATED
WITH THE SUBSTITUTION (INCLUDING RE-DISIGN COSTS AND COSTS TO
SUB-CONTRACTORS) SHALL BE PROVIDED TO THE BIOGINER. CONTRACTOR ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.

PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.

a. SUBMIT SHOP DRAWINGS TO PETER. ALBANO@COLLIERSENGINEERING. COM

b. PROVIDE MASER CONSULTING PROJECT# AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.

- DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
- 6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
- ALL NEW STEEL SHALL BE HOT BE DIPPED CALVANIZED FOR FULL WEATHER PROTECTION, IN ADDITION ALL INPUS TIELE, SHALL BE PAINTED TO PATICH BESCHING STEEL, CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
 - 8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
- WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS. FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
- 10. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE, MAINTAIN AISCREQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
- ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH
 SUCH THAT THE BIND OF THE BOLT IS AT LEAST BLUSH WITH THE PACE OF
 THE NUT. IT IS NOT REMITTED FOR THE BOLT END TO BE BELOW THE FACE
 OF THE NUT AFTRE TIGHTBUNKS COMPLETED.
- 12. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
- 13. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION, CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO

PROTECT STEEL BY ANY OTHER MEANS

- 14. ALL EXISTING PAINTEDICALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS VIOLES TREMER BUYETS SHALL BWITE BRUSED CLEAN, REPARED BY COLD GALVANIZING (ZINGA OR ZINC COTF), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
- 15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

















SITE NAME:

COVENTRY EAST CT 468160

1712 MAIN ST COVENTRY, CT 06238 TOLLAND COUNTY



Phone: 856.797.04 Fax: 856.722.1120

MODIFICATION NOTES

S-2

NOT SCALE DRAWINGS FOR CONSTRUC

MODIFICATION INSPECTION NOTES

	MI CHECKLIST
CONSTRUCTION/ INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY EOR)	REPORT ITEM
	PRECONSTRUCTION
×	MI CHECKLIST DRAWING
×	EOR APPROVED SHOP DRAWINGS
₹	Fabrication inspection
Ž	FABRICATOR CERTIFIED WELD INSPECTION
×	MATERIAL TEST REPORT (MTR)
₹	FABRICATOR NDE INSPECTION
×	PACKING SUPS
ADDITIONAL TESTING AND INSPECTIONS:	97
	CONSTRUCTION
×	CONSTRUCTION INSPECTIONS
₹	CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS
×	ON SITE COLD GALVANIZING VRIFICATION
×	GC AS-BUILT DOCUMENTS
ADDITIONAL TESTING AND INSPECTIONS:	·S7
	POST-CONSTRUCTION
×	MI INSPECTOR REDLINE OR RECORD DRAWING(S)
×	VZW PMI DOCUMENTS
×	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

NOTE: X DENOTES A DOCUMENT REQUIRED FOR THE MI REPORT NA DENOTES A DOCUMENT THAT IS NOT REQUIRED FOR THE MI REPORT

THE MODIFICATION INSPECTION INSPECTION OF MODIFICATIONS AND A REVIEW OF CONTRINCATION INSPECTION AND OTHER REMOSTLY DEN SIARS. THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRIACT DOCUMENTS NAMED'T THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINERS OF RECORD (FOR).

THE MI S TO COMFIRM INSTALLATION CONFIGURATION AND WORKHANSHIP ONLY AND IS NOT A REPUBLY OF THE MODIFICATION DESIGN TISEL, NOR DOST THE MINIBECTION TAKE OWNERSHIP OF THE FRODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN FRECTIVENESS AND INTEGRIT RESIDES WITH THE FOR AT ALL THES.

TO ENSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR ICG AND THE MI NERFOLDS REGING COMMUNICATING AND COORDINATING AS SOON AS A PIRCHASE OND THE MI SECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN TREACHING GOUT TO THE OTHER PARTY.

MI INSPECTOR

THE MI NSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO FOR THE MI TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
 WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS
- THE MINSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GCINSPECTION AND TEST REPORTS. RENAMING THE DOCUMENTS TO SHORERNEE. TO THE CONTRACT DOCUMENTS, CONDUCTING THE INFINED INSPECTIONS, AND SUBMITTING THEM REPORT TO EOR.

GENERAL CONTRACTOR

THE GC IS REQUIRED TO CONTACT THE MI INSPECTOR AS SOON AS RECEIVING A PO FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
 WORK WITH THE MI INSPECTION TO DERIOL OF ACHEULE TO CONDUCT ON-SITE MI INSPECTIONS, INCLUDING FOUNDATION WERECTIONS
 BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS
- THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MI CHECKLIST.

RECOMMENDATIONS

THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE FFFICIENCY AND EFFECTIVENESS OF DELIVERING AN MI REPORT:

- TESSUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE. REFREIGHT ALL OT THE MINIMUM OF 5 BUSINESS DAYS NOTICE. THE MINIMUM OF 5 BUSINESS DAYS NOTICE. THE CONDUCTION OF THE MINIMUM OF 5 BUSINESS DAYS NOTICE. THE CONDUCTION OF THE MINIMUM OF 5 BUSINESS DAYS NOTICE. THE MINIMUM OF 5 BUSINESS DAYS NOTICE. THE MINIMUM OF 5 BUSINESS ON THE OWN OF THE MINIMUM OF THE MINIMUM ON THE MIN

CORRECTION OF FAILING MI'S

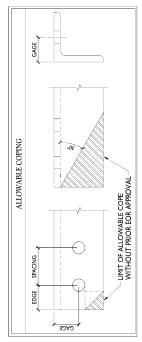
IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH THE OWNER TO COORDINATE A REMEDIATION PLAN:

CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

REQUIRED PHOTOS

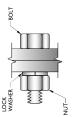
BETWERI THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED INTHE MI REPORT:

PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INARDGUATE. RE-CONSTRUCTION GENERAL SITE CONDITION
RECONSTRUCTION GENERAL SITE CONDITION
RECONSTRUCTION GENERAL PRINCHED FROM THE REMOVE CHEMICAL PRINCHED CONDITION FROM THE REMOVE CONTINUENT OF PRINCHED CONDITION FROM THE CONSTRUCTION FROM THE CONDITION FROM THE C



	BOLT	BOLT SCHEDULE (IN.)	(<u>K</u>	
BOLT DIAMETER	STANDARD HOLE	SHORT	MIN. EDGE DISTANCE	SPACING
1/2	91/6	91/11×91/6	8//	1 1/2
2/8	91/11	11/16 × 7/8	8/1 -	1 7/8
3/4	13/16	13/16 × 1	1/1	2 1/4
8//	91/51	15/16 × 1 1/8	1 1/2	2 5/8
_	91/11	1 1/16 × 1 5/16	1 3/4	m

WORKABLE GAGES (IN.)	GAGE	2 1/2	2	1 3/4	8/8	8/1 1
WORKABLE	LEG	4	3 1/2	9	2/1/2	2



I. ALL DIMENSIONS REPRESENTED IN THE ABOVE TRABLES ARE AND FOR INIMUM REQUIREMENTS. CONTRACTOR SHALL VERIF EXTING CONDITIONS IN HELD AND NOTIFE BUSINERER IF DISTANCES ARE LESS THAN THOSE PROVIDED. NOTES:

THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THEE DRAWINGS MAY VARY FROM THE ASC MINIMUM REQUIREMENTS.

TYP. BOLT ASSEMBLY

SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS

MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

MEW MEXICO
MARYLAND
GEORGIA
TEXAS
TEXAS
TENNESSEE
COLORADO MASER NEW JERSEY

NEW YORK

PENNSYLVANIA

YIRGINIA

FLORIDA

NOATH CAROLINA

SOUTH CAROLINA

Verizon

PROTECT YOURSELF
ALL STATIS REQUIR NOTIFICATION OF
SCOMATORS OF BAPTERON
PREMAING TO DISTURB THE BARTHS
SURFACE ANYWHER IN ANY STATIE

6/16/2021 OF CONN.

SITE NAME:

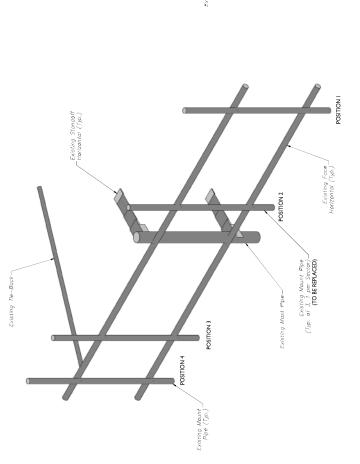
COVENTRY EAST CT 468160 1712 MAIN ST COVENTRY, CT 06238 TOLLAND COUNTY

Phone: 856.797.041 Fax: 856.722.1120 Î

MODIFICATION NOTES

S-3

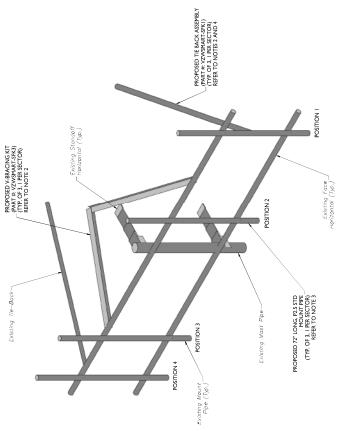
NOT SCALE DRAWINGS FOR CONSTRUCT



EXISTING T-FRAME ISOMETRIC VIEW (TYP. ALL SECTORS) $(\exists$

STRUCTURAL NOTES:

- I. PER THE MOUNT MAPPING COMPLETED BY HUDSON DESIGN GROUP LLC ON 3/25/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (149-9) ARE IN GOOD CONDITION, HOWEVER THEY ARE OBSTRUCTED BEFORE ACCESSING VERIZON'S MOUNT, 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 RE SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES. 7



PROPOSED T-FRAME ISOMETRIC VIEW (TYP. ALL SECTORS) (4

SCALE: N.T.S.

MODIFICATION NOTES:

- MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
- CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2. 7.
- CONNECT NEW MOUNT PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSKI). ๙
- CONNECT NEW TIE BACK TO MOUNT PIPE WITH CROSSOVER PLATES (PART#: VZWSMART-MSK.I.). CONNECT OTHER END TO ADJACENT TOWER LEG.

























6/16/2021



SITE NAME:

COVENTRY EAST CT 468160

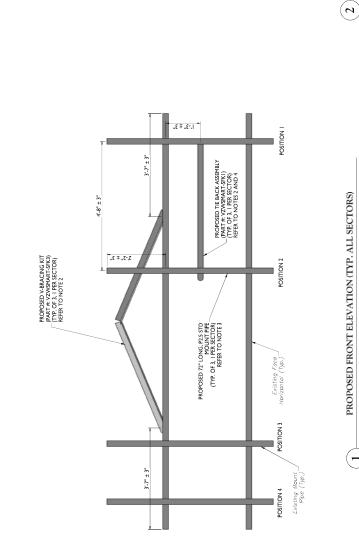
1712 MAIN ST COVENTRY, CT 06238 TOLLAND COUNTY



Phone: 856.797.041 Fax: 856.722.1120

S-4

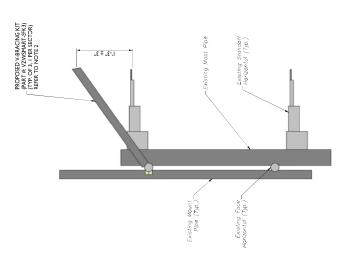
MODIFICATION DETAILS



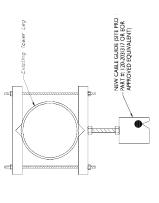


MODIFICATION NOTES:

- MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O. <u>.</u>
- CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2. 7
- CONNECT NEW MOUNT PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSKI).
- CONNECT NEW TIE BACK TO MOUNT PIPE WITH CROSSOVER PLATES (PART#: VZWSMART-MSKI), CONNECT OTHER END TO ADJACENT TOWER LEG.



PROPOSED SIDE ELEVATION (TYP. ALL SECTORS)



PROPOSED CABLE GUIDE TOWER LEG ATTACHMENT - PLAN VIEW SCALE-N.T.S.



MEW MEXICO
MERYLAND
GEORGIA
TEXAS
TEXAS
TENNESSEE
COLORADO NEW JERSEY

NEW YORK

PENNSYLVANIA

VIRGINIA

FLORIDA

NORTH CARCLINA

SOUTH CARCLINA

MASER CONTINUE CONTINUE

Verizon



















6/16/2021

SITE NAME:

COVENTRY EAST CT 468160

1712 MAIN ST COVENTRY, CT 06238 TOLLAND COUNTY

MODIFICATION DETAILS

S-5





MOUNT PHOTO 2















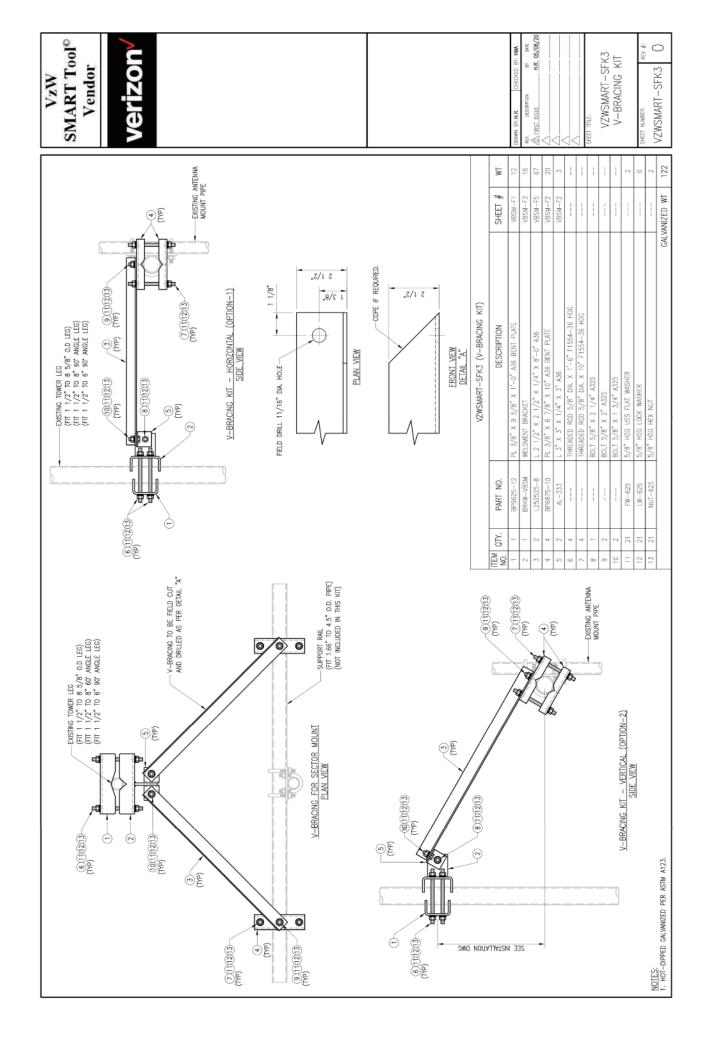
MOUNT PHOTO 4

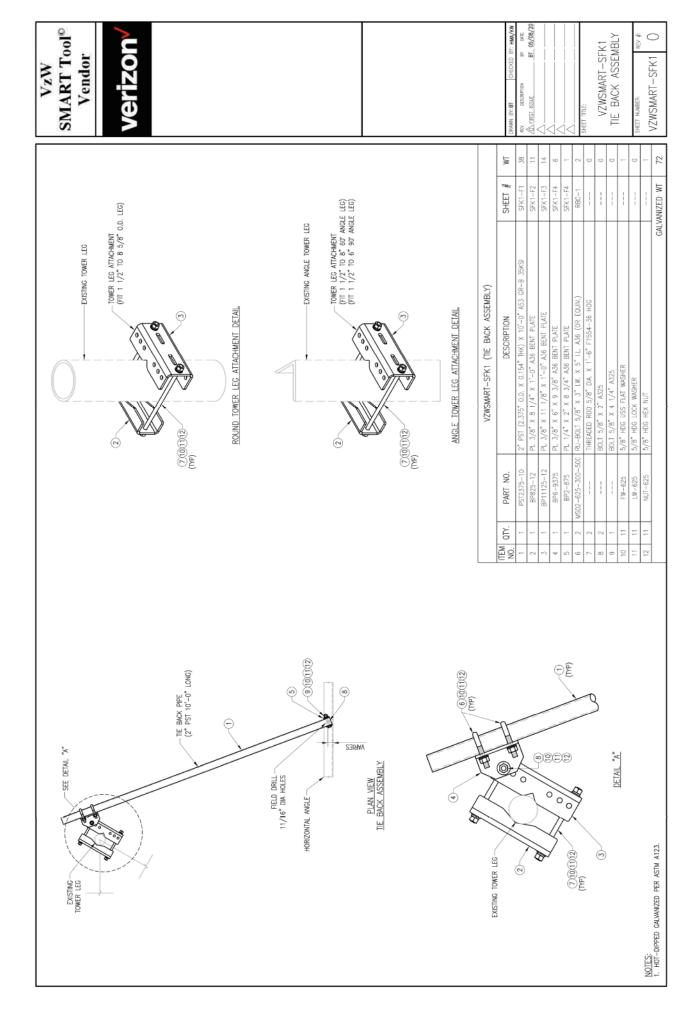
MOUNT PHOTO 3

71 LAUREL OPRICA 2000 Malacel Drive John Lauri, N. J. 0854 Plant Lauri, N. J. 0854 Plant 85,722.1707

COVENTRY EAST CT 468160 1712 MAIN ST COVENTRY, CT 06238 TOLLAND COUNTY

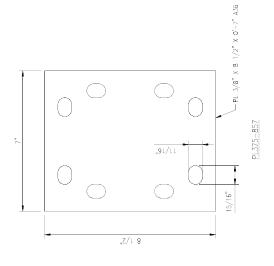
MOUNT PHOTOS





VzW SMART Tool[©] Vendor

verizon



	9	10	_	0	_	14
SHEET #	MSK1-F1	RBC-1	-			GALVANIZED WT
DESCRIPTION	PL 3/8" X 8 1/2" X 0'-7" A36	MS02-625-300-500 RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	5/8" HDG USS FLAT WASHER	5/8" HDG LOCK WASHER	5/8" HDG HEX NUT	GALV
PART NO.	PL375-857	MS02-625-300-500	FW-625	LW-625	NUT-625	
ITEM OTT. NO.	-	4	00	00	00	
NO III	-	2	m	4	S	

REV #:

VZWSMART-MSK1

SHEET NUMBER:

VZWSMART-MSK1 CROSSOVER PLATE

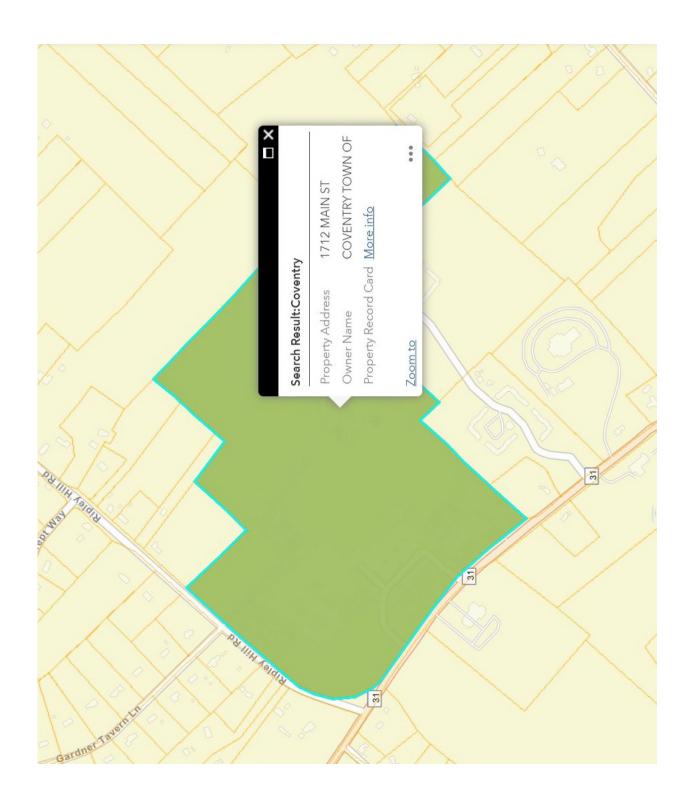
BY DATE H.R 05/08/20

PEV. DESCRIPTION

DRAWN BY: H.R CHECKED BY: HMA

	A123.
	ASTM
	PER
	GALVANIZED
	GHPPD-
5	HOT.
ZI	-

ATTACHMENT 5



Coventry, CT

1712 MAIN ST

```
Location
     1712 MAIN ST
 Mblu
     29/ / 159/ /
  Acct#
     R30305
   Owner
     COVENTRY TOWN OF
    PBN
     Assessment
     $16,333,700
      Appraisal
     $23,333,600
       PID
     6578
        Building Count
     5
```

Current Value

Appraisal

Valuation Year	Improvements	Land	Total
2019	\$20,161,600	\$3,172,000	\$23,333,600

Assessment

Valuation Year	Improvements	Land	Total
2019	\$14,113,300	\$2,220,400	\$16,333,700

Owner of Record

Owner COVENTRY TOWN OF

Co-Owner

Address 1712 MAIN ST

COVENTRY, CT 06238

Sale Price \$0

Certificate

Book & Page 0100/0064 **Sale Date** 01/06/1960

Instrument 29

Ownership History

Ownership History

Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
COVENTRY TOWN OF	\$0		0100/0064	29	01/06/1960

Building Information
Building 1 : Section 1

Year Built: 1962 Living Area: 6,036

Replacement Cost: \$1,464,038

Building Percent Good: 69

Replacement Cost

Less Depreciation: \$1,010,200

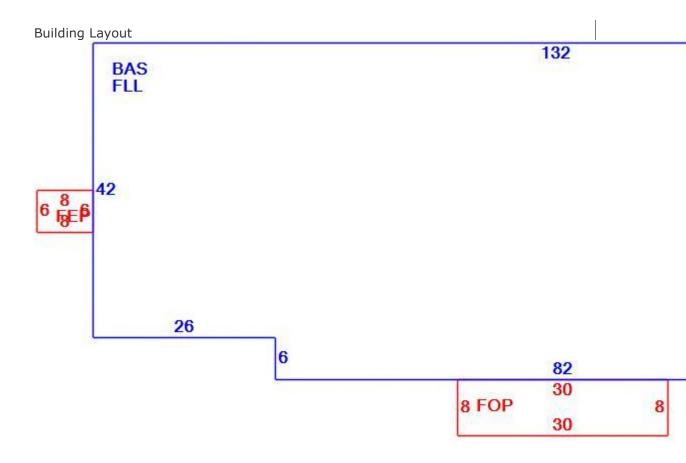
Building Attributes

<u> </u>		
Field	Description	
Style	City/Town Hall	
Model	Comm/Ind	
Grade	С	
Stories:	1	
Occupancy	1.00	
Exterior Wall 1	Brick	

GS
VL

Usrfld 301	
Usrfld 303	
Usrfld 103	
Usrfld 107	
Usrfld 304	
Usrfld 104	
Usrfld 105	
Usrfld 101	
Usrfld 225	
Usrfld 300	
Usrfld 220	
Usrfld 221	
Usrfld 102	
Usrfld 701	
Usrfld 106	
Usrfld 305	
Usrfld 900	No
Usrfld 901	No





Building Sub-Areas (sq ft) Legend

Code	Description	Gross Area	Living Area
BAS	First Floor	6,036	6,036
FEP	Porch, Enclosed	48	0
FLL	Fin. Lower Level	6,036	0
FOP	Porch, Open	240	0
		12,360	6,036

Building 2 : Section 1

Year Built:1970Living Area:1,152Replacement Cost:\$151,027Building Percent Good:72

Building Attributes : Bldg 2 of 5

Field	Description
Style	Office
Model	Comm/Ind
Grade	С
Stories:	1
Occupancy	1.00
Exterior Wall 1	Vinyl
Exterior Wall 2	
Roof Structure	Gable
Roof Cover	Asphalt Shingl
Interior Wall 1	Drywall
Interior Wall 2	
Interior Floor 1	Carpet
Interior Floor 2	
Heating Fuel	Gas
Heating Type	Forced Air
AC Type	Central
Struct Class	
Bldg Use	Town MDL-94
Total Rooms	0
Usrfld 216	
Total Baths	
Usrfld 218	
Usrfld 219	
1st Floor Use:	201

Heat/AC	HEAT/AC SPLIT
Frame Type	WOOD FRAME
Baths/Plumbing	AVERAGE
Ceiling/Wall	SUS-CEIL & WL
Rooms/Prtns	AVERAGE
Wall Height	8.00
% Comn Wall	0.00
Usrfld 100	
Usrfld 302	
Usrfld 301	
Usrfld 303	
Usrfld 103	
Usrfld 107	
Usrfld 304	
Usrfld 104	
Usrfld 105	
Usrfld 101	
Usrfld 225	
Usrfld 300	
Usrfld 220	
Usrfld 221	
Usrfld 102	
Usrfld 701	
Usrfld 106	
Usrfld 305	
Usrfld 900	No
Usrfld 901	No



Building Layout

BAS 54

24

36

Building Sub-Areas (sq ft) Legend

Code	Description	Gross Area	Living Area
BAS	First Floor	1,152	1,152
		1,152	1,152

Building 3 : Section 1

Year Built:1999Living Area:4,324Replacement Cost:\$400,359Building Percent Good:86

Replacement Cost

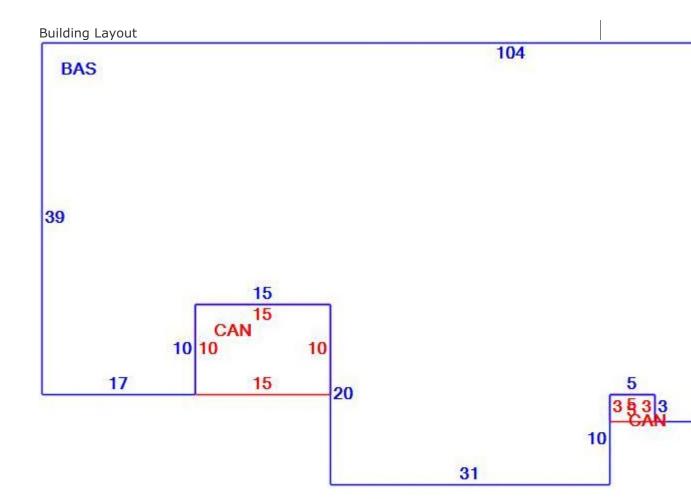
Less Depreciation: \$344,300

Building Attributes : Bldg 3 of 5

Field	Description
Style	Office
Model	Comm/Ind
Grade	С
Stories:	1
Occupancy	1.00
Exterior Wall 1	Brick
Exterior Wall 2	Vinyl
Roof Structure	Gable
Roof Cover	Asphalt Shingl
Interior Wall 1	Drywall
Interior Wall 2	
Interior Floor 1	Carpet
Interior Floor 2	
Heating Fuel	Gas
Heating Type	Forced Air
AC Type	Central
Struct Class	
Bldg Use	Town MDL-94
Total Rooms	0
Usrfld 216	
Total Baths	
Usrfld 218	
Usrfld 219	
1st Floor Use:	201
Heat/AC	HEAT/AC PKGS
Frame Type	WOOD FRAME

Baths/Plumbing	AVERAGE
Ceiling/Wall	SUS-CEIL & WL
Rooms/Prtns	AVERAGE
Wall Height	10.00
% Comn Wall	0.00
Usrfld 100	
Usrfld 302	
Usrfld 301	
Usrfld 303	
Usrfld 103	
Usrfld 107	
Usrfld 304	
Usrfld 104	
Usrfld 105	
Usrfld 101	
Usrfld 225	
Usrfld 300	
Usrfld 220	
Usrfld 221	
Usrfld 102	
Usrfld 701	
Usrfld 106	
Usrfld 305	
Usrfld 900	No
Usrfld 901	No





Building Sub-Areas (sq ft) <u>Legend</u>

Code	Description	Gross Area	Living Area
BAS	First Floor	4,324	4,324
CAN	Canopy	165	0
		4,489	4,324

Building 4 : Section 1

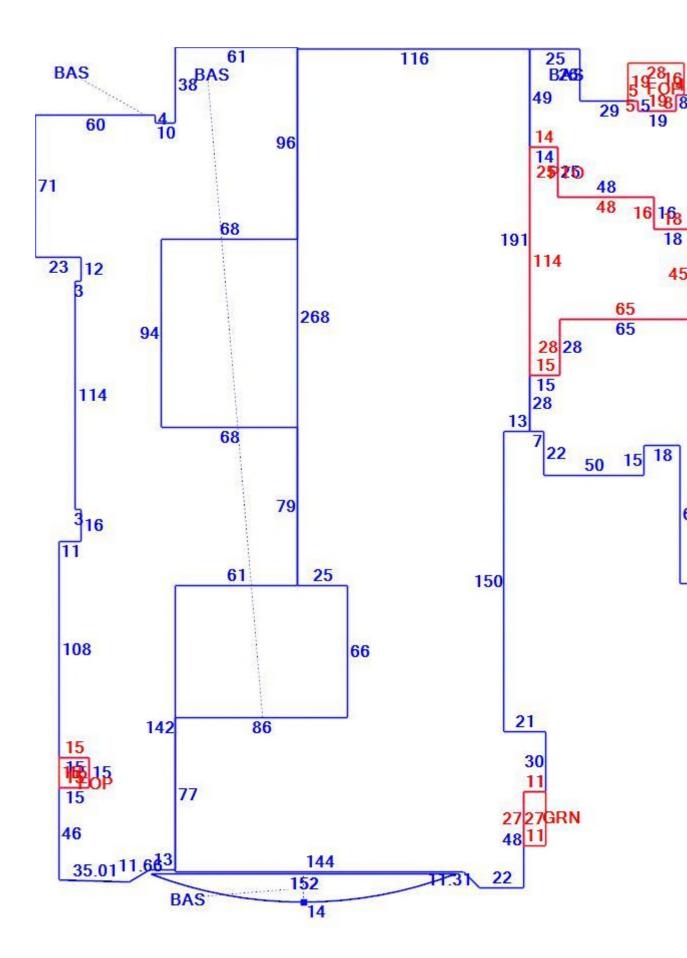
Year Built:1961Living Area:131,671Replacement Cost:\$15,905,105Building Percent Good:69

Building Attributes : Bldg 4 of 5

Field	Description
Style	Schools-Public
Model	Comm/Ind
Grade	С
Stories:	
Occupancy	
Exterior Wall 1	Brick
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	Tar + Gravel
Interior Wall 1	Drywall
Interior Wall 2	Minimum
Interior Floor 1	Asphalt Tile
Interior Floor 2	
Heating Fuel	Oil
Heating Type	Hot Water
AC Type	None/partial
Struct Class	
Bldg Use	Town School
Total Rooms	0
Usrfld 216	
Total Baths	
Usrfld 218	
Usrfld 219	
1st Floor Use:	201

Heat/AC	HEAT ONLY
Frame Type	STEEL
Baths/Plumbing	AVERAGE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	10.00
% Comn Wall	0.00
Usrfld 100	
Usrfld 302	
Usrfld 301	
Usrfld 303	
Usrfld 103	
Usrfld 107	
Usrfld 304	
Usrfld 104	
Usrfld 105	
Usrfld 101	
Usrfld 225	
Usrfld 300	
Usrfld 220	
Usrfld 221	
Usrfld 102	
Usrfld 701	
Usrfld 106	
Usrfld 305	
Usrfld 900	No
Usrfld 901	No





Building Sub-Areas (sq ft) Legend

Code	Description	Gross Area	
BAS	First Floor	131,671	131,671
FOP	Porch, Open	840	0
GRN	Greenhouse	297	0
РТО	Patio	5,362	0
		138,170	131,671

Building 5 : Section 1

 Year Built:
 1962

 Living Area:
 75,960

 Replacement Cost:
 \$9,998,986

Building Percent Good: 69

Replacement Cost

Less Depreciation: \$6,899,300

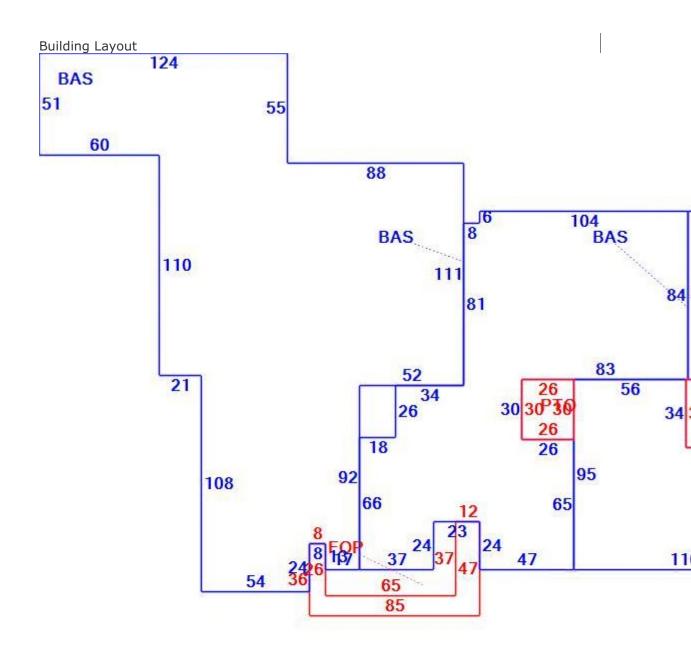
Building Attributes : Bldg 5 of 5

Field	Description
Style	Schools-Public
Model	Comm/Ind
Grade	С
Stories:	1
Occupancy	1.00
Exterior Wall 1	Brick
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	Tar + Gravel
Interior Wall 1	Drywall
Interior Wall 2	
Interior Floor 1	Asphalt Tile

Interior Floor 2	
Heating Fuel	Oil
Heating Type	Hot Water
AC Type	None/partial
Struct Class	
Bldg Use	Town School
Total Rooms	0
Usrfld 216	
Total Baths	
Usrfld 218	
Usrfld 219	
1st Floor Use:	201
Heat/AC	HEAT ONLY
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	SUS-CEIL & WL
Rooms/Prtns	AVERAGE
Wall Height	12.00
% Comn Wall	0.00
Usrfld 100	
Usrfld 302	
Usrfld 301	
Usrfld 303	
Usrfld 103	
Usrfld 107	
Usrfld 304	
Usrfld 104	

Usrfld 105	
Usrfld 101	
Usrfld 225	
Usrfld 300	
Usrfld 220	
Usrfld 221	
Usrfld 102	
Usrfld 701	
Usrfld 106	
Usrfld 305	
Usrfld 900	No
Usrfld 901	No





Building Sub-Areas (sq ft) Legend

Code	Description	Gross Area	Living Area	
BAS	First Floor	75,960	75,960	

FOP	Porch, Open	1,502	0
РТО	Patio	1,664	0
WDK	Wood Deck	201	0
		79,327	75,960

Extra Features

Extra Features Legend

Code	Description	Size	Value	Bldg #
SP	Solar Panel	18.00 UNITS	\$0	2
A/C	Air Condition	3240.00 S.F.	\$4,500	5
SPR1	Sprinklers-Wet	76920.00 S.F.	\$42,500	5
SP	Solar Panel	320.00 UNITS	\$0	5
SPR1	Sprinklers-Wet	138169.00 S.F.	\$76,300	4
A/C	Air Condition	35390.00 S.F.	\$48,800	4
MEZ1	Mezzanine-Unf	1984.00 S.F.	\$11,000	4

Land

Land Use

Use Code 901

Description Town MDL-94

Zone GR40

Neighborhood G **Alt Land Appr** No

Category

Land Line Valuation

Size (Acres) 98.00

Frontage Depth

Assessed Value \$2,220,400 **Appraised Value** \$3,172,000

Outbuildings

Outbuildings <u>Legend</u>

Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
FGR1	Garage			2400.00 S.F.	\$48,000	4
PAV1	Paving			5000.00 S.F.	\$6,300	5
SHD5	Cell Shed			288.00 S.F.	\$82,100	1
PAV1	Paving			26000.00 S.F.	\$32,800	4
PAV1	Paving			20000.00 S.F.	\$25,200	1
TEN	Tennis Court			3.00 UNITS	\$42,000	5
TNK1	Elevated Tank			10000.00 GALS	\$16,600	4
BHS1	Bathhouse			510.00 S.F.	\$7,800	4
FNC	Fence	M	Metal	1500.00 L.F.	\$20,000	5
SHD1	Shed			600.00 S.F.	\$4,800	1
FOP	Open Porch			304.00 S.F.	\$5,800	4
SHD5	Cell Shed			200.00 S.F.	\$57,000	1
SHD1	Shed			384.00 S.F.	\$3,600	4
FNC	Fence	M	Metal	1500.00 L.F.	\$14,700	5
SHD1	Shed			96.00 S.F.	\$900	1
TEN	Tennis Court			3.00 UNITS	\$57,000	4
FCP	Carport			5712.00 S.F.	\$40,000	5
FGR1	Garage			2000.00 S.F.	\$47,500	4
FNC	Fence	M	Metal	200.00 L.F.	\$2,700	1
LT1	Light 1			34.00 UNITS	\$64,600	1
OFSD	Off/Studio			960.00 S.F.	\$41,000	4
LT2	Light 2			7.00 UNITS	\$19,300	1
LNT	Lean-to			192.00 S.F.	\$900	4
LNT	Lean-to			192.00 S.F.	\$900	4
LT3	Light 3			0.00 UNITS	\$0	4

Valuation History

Appraisal

Valuation Year	Improvements	Land	Total	
2018	\$20,573,300	\$2,360,800	\$22,934,100	
2018	\$20,573,300	\$2,360,800	\$22,934,100	
2017	\$20,573,300	\$2,360,800	\$22,934,100	

Assessment

Valuation Year	Improvements	Land	Total	
2018	\$14,401,400	\$1,652,600	\$16,054,000	
2018	\$14,401,400	\$1,652,600	\$16,054,000	
2017	\$14,401,400	\$1,652,600	\$16,054,000	

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closecloseclose

ATTACHMENT 6



Name and Address of Sender Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	Postmaster, per (name of receiving a)	28 2021	L	of Receipt.	\$002.899 ZIP 06103 041L1220393	7
Firm-specific Identifier	(Name, Street, City, S	ress tate, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1. 2. 3.	John Elsesser, Town Mar Town of Coventry 1712 Main Street Coventry; CT 06238 Eric Trott, Director of L Town of Coventry 1712 Main Street Coventry, CT 06238	anager .				
4.					ň	
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