

KENNETH C. BALDWIN

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Also admitted in Massachusetts
and New York

October 15, 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
229 Cheshire Road, Prospect, 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 the existing tower and associated equipment on the ground adjacent to the tower. According to previous filings with the Siting Council, the tower was originally approved by the Town of Prospect in October of 1999, however, copies of the Town’s approval of the tower were not provided in those filings. Cellco’s site acquisition consultant reached out to the Town in an effort to obtain a copy of the Town approval and were told that no copy of the approval was found in their files. Cellco’s use of the tower was approved by the Siting Council (“Council”) in January of 2002 (TS-VER-115-011207). A copy of the Council’s TS-VER-115-011207 approval is included in Attachment 1.

Cellco now intends to modify its facility by replacing twelve (12) antennas with three (3) new Samsung MT6407-77A antennas and six (6) JAHH-65B-R2B antennas on Cellco’s modified antenna platform. Cellco also intends to replace three (3) remote radio heads (“RRHs”) with six (6) new RRHs behind its antennas. A set of project plans showing Cellco’s proposed facility modifications and new antennas and RRHs specifications are included in Attachment 2.

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

Melanie A. Bachman, Esq.
October 15, 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.
6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna platform, with certain modifications, can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

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

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

Melanie A. Bachman, Esq.
October 15, 2021
Page 3

Sincerely,

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

Kenneth C. Baldwin

Enclosures

Copy to:

Robert J. Chatfield, Prospect Mayor
Mary Barton, Land Use Inspector
Boardman W. Kathan, Property Owner
Alex 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

Web Site: www.state.ct.us/csc/index.htm

January 4, 2002

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

RE: **TS-VER-115-011207** - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 229 Cheshire Road, Prospect, Connecticut.

Dear Attorney Baldwin:

At a public meeting held January, 3, 2002, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures. 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 may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point 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.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated December 6, 2001.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/laf

c: Honorable Robert J. Chatfield, Mayor, Town of Prospect
William J. Donovan, Zoning Enforcement Officer, Town of Prospect
Julie M. Donaldson, Esq., Hurwitz & Sagarin LLC

ATTACHMENT 2



WIRELESS COMMUNICATIONS FACILITY

**SITE NAME:
PROSPECT EAST CT**

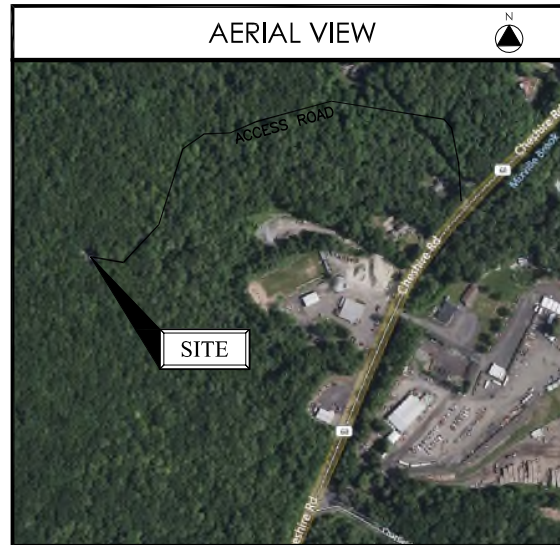
**SBA SITE # CT02694
229 CHESHIRE RD.
PROSPECT, CT 06712**

ANTENNA MODIFICATION

PROJECT SUMMARY

SITE NAME:	PROSPECT EAST CT
SITE ADDRESS:	229 CHESHIRE RD. PROSPECT, CT 06712
PROPERTY OWNER:	KATHAN BOARDMAN W 229 CHESHIRE RD. PROSPECT, CT 06712
TOWER OWNER/MGMT:	SBA SITE # CT02694
PARCEL ID:	118-33-229
COORDINATES:	41° 30' 28.3716" N 72° 57' 03.6792" W
VERIZON CONSTRUCTION:	WALTER CHARCZYNSKI (860) 306-1806
VERIZON REAL ESTATE:	ALEX TYURIN (860) 550-3195

AERIAL VIEW



SHEET INDEX

DE-1	TITLE SHEET
DE-2	COMPOUND PLAN & ELEVATION
DE-3	ANTENNA PLANS & ELEVATION
DE-4	RF PLUMBING DIAGRAM & B.O.M.
DE-5	GENERAL CONSTRUCTION NOTES

verizon
WIRELESS COMMUNICATIONS FACILITY
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

On Air Engineering, LLC
88 Foundry Pond Road
Cold Spring, NY 10516
201-456-4624
onair@optonline.net

LICENSURE



DAVID WEINPAHL, P.E.
CT LIC NO. 22144

SUBMITTALS

NO.	DATE	REVIEW

NO. DATE DESCRIPTION

DRAWN BY: AG
CHECKED BY: DW

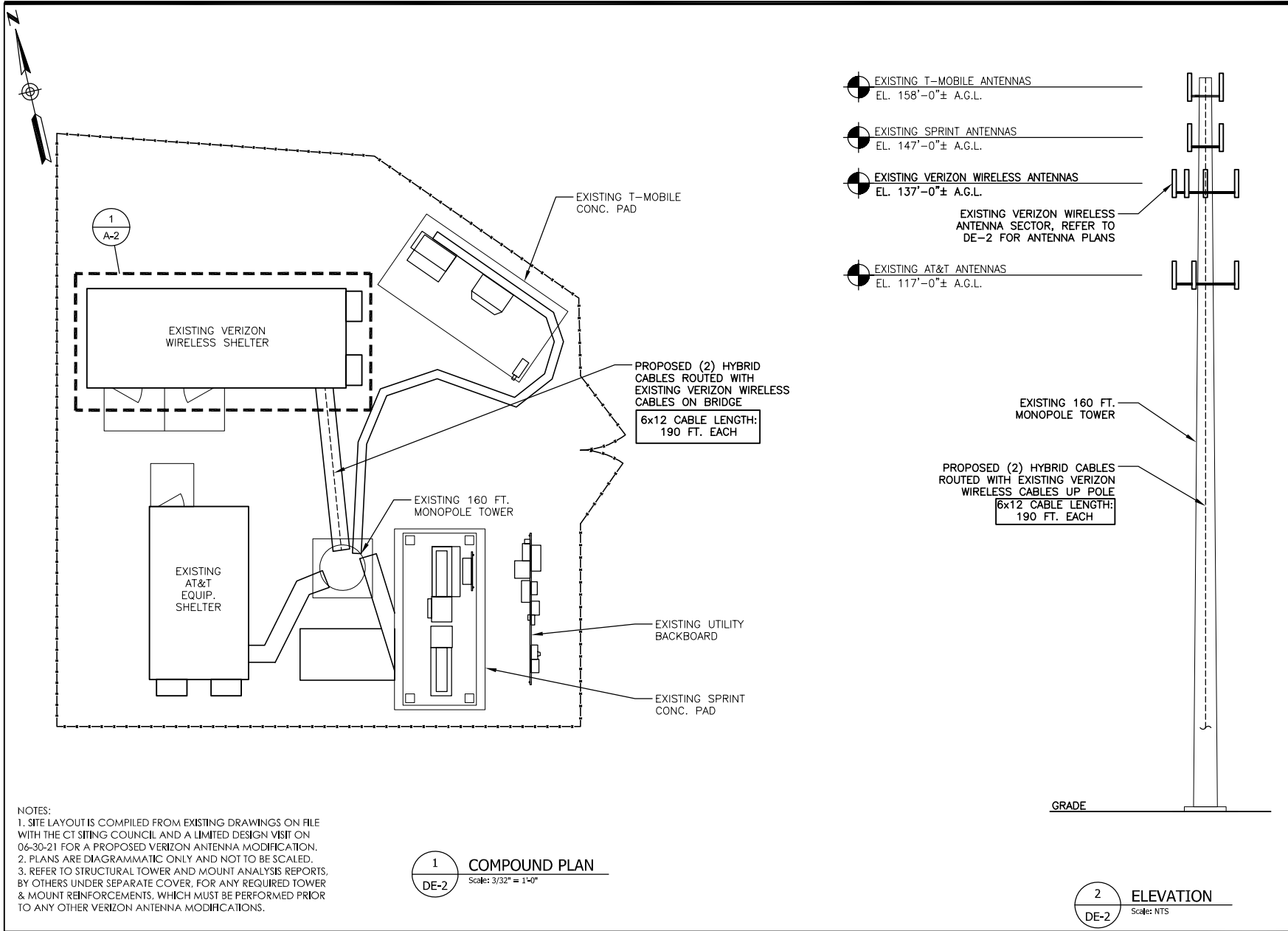
PROJECT NAME:
**ANTMO MT6407
AWS-PCS-850-LTE
CABLE DRAWINGS**

SITE NAME:
PROSPECT EAST CT

SITE ADDRESS:
**SBA SITE # CT02694
229 CHESHIRE RD.
PROSPECT, CT 06712**

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
DE-1



NOTES:
 1. SITE LAYOUT IS COMPILED FROM EXISTING DRAWINGS ON FILE WITH THE CT SITING COUNCIL AND A LIMITED DESIGN VISIT ON 06-30-21 FOR A PROPOSED VERIZON ANTENNA MODIFICATION.
 2. PLANS ARE DIAGRAMMATIC ONLY AND NOT TO BE SCALED.
 3. REFER TO STRUCTURAL TOWER AND MOUNT ANALYSIS REPORTS, BY OTHERS UNDER SEPARATE COVER, FOR ANY REQUIRED TOWER & MOUNT REINFORCEMENTS, WHICH MUST BE PERFORMED PRIOR TO ANY OTHER VERIZON ANTENNA MODIFICATIONS.

1
 DE-2
 Scale: 3/32" = 1'-0"
COMPOUND PLAN

2
 DE-2
 Scale: NTS
ELEVATION

- EXISTING T-MOBILE ANTENNAS
EL. 158'-0"± A.G.L.
- EXISTING SPRINT ANTENNAS
EL. 147'-0"± A.G.L.
- EXISTING VERIZON WIRELESS ANTENNAS
EL. 137'-0"± A.G.L.
- EXISTING AT&T ANTENNAS
EL. 117'-0"± A.G.L.

EXISTING VERIZON WIRELESS ANTENNA SECTOR, REFER TO DE-2 FOR ANTENNA PLANS

PROPOSED (2) HYBRID CABLES ROUTED WITH EXISTING VERIZON WIRELESS CABLES UP POLE
 6x12 CABLE LENGTH: 190 FT. EACH

EXISTING 160 FT. MONOPOLE TOWER

PROPOSED (2) HYBRID CABLES ROUTED WITH EXISTING VERIZON WIRELESS CABLES ON BRIDGE
 6x12 CABLE LENGTH: 190 FT. EACH

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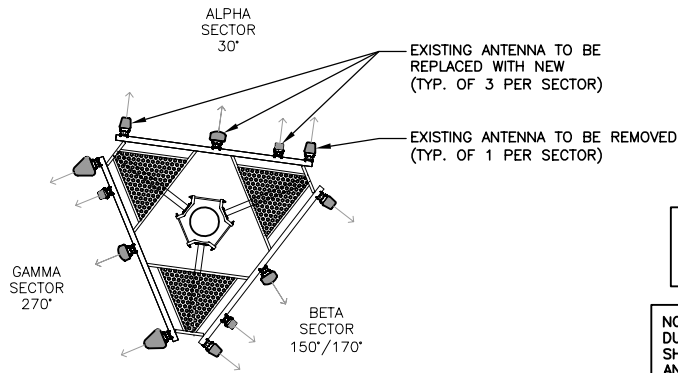
PROJECT NAME:
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 AWS-PCS-850-LTE
 CABLE DRAWINGS**

SITE NAME:
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 229 CHESHIRE RD.
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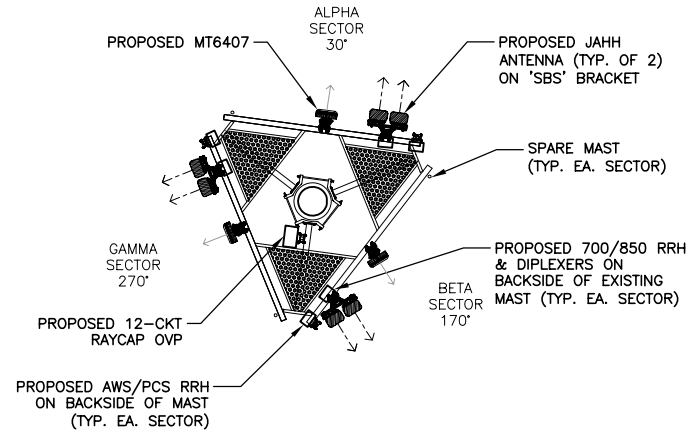
SHEET TITLE:
**COMPOUND PLAN
 & ELEVATION**

SHEET NUMBER:
DE-2



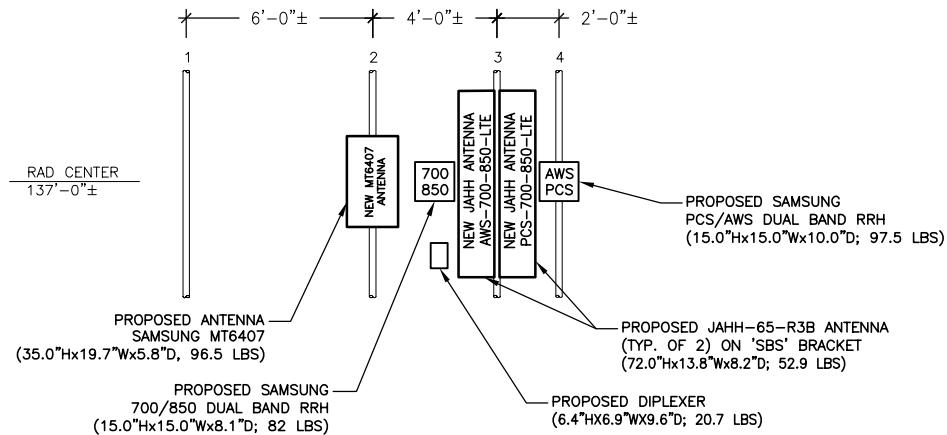
NOTE: REFER TO MOUNT MODIFICATION DRAWINGS, UNDER SEPARATE COVER BY MASER CONSULTING

NOTE: NEW ANTENNAS & DUAL BAND RRH LOCATIONS SHOWN BASED ON MOUNT ANALYSIS BY OTHERS



1 ANTENNA PLAN @ 137 FT. - EXISTING
Scale: 1/8" = 1'-0"

2 ANTENNA PLAN @ 137 FT. - PROPOSED
Scale: 1/8" = 1'-0"

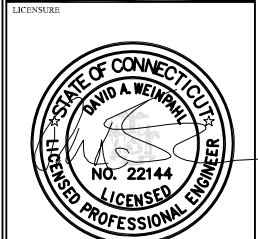


(VIEWED FROM BEHIND SECTOR)

3 ANTENNA ELEVATION (TYP.) - PROPOSED
Scale: 1/4" = 1'-0"

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DAVID WEINPAAL, P.E.
CT LIC NO. 22144

SUBMITTALS	
NO.	REVIEW
01	08/23/21

NO.	DATE	DESCRIPTION

DRAWN BY: AG
CHECKED BY: DW
PROJECT NAME:
**ANTMO MT6407
AWS-PCS-850-LTE
CABLE DRAWINGS**

SITE NAME:
PROSPECT EAST CT

SITE ADDRESS:
**SBA SITE # CT02694
229 CHESHIRE RD.
PROSPECT, CT 06712**

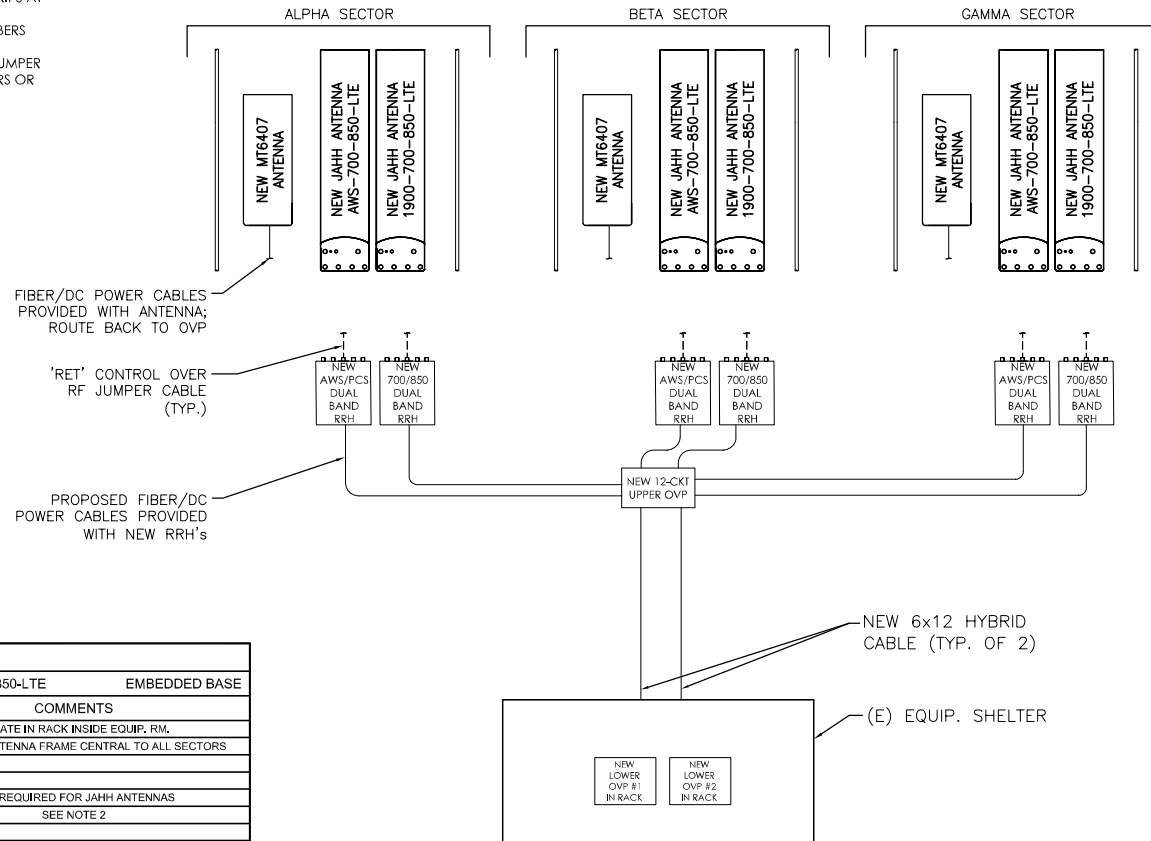
SHEET TITLE:
**ANTENNA PLANS
& ELEVATION**

SHEET NUMBER:
DE-3

GENERAL NOTES:

- CONTRACTOR SHALL REFER TO THE LATEST VERIZON WIRELESS RFDS WHICH MAY INCLUDE ANTENNA SECTOR AZIMUTHS/ANTENNA CHANGES, ETC. THAT ARE REQUIRED AS PART OF THE PROJECT.
- CONTRACTOR SHALL SECURE ALL CONTROL CABLES IN ACCORDANCE WITH INDUSTRY STANDARDS AND MANUFACTURERS INSTRUCTIONS. EXTERIOR CABLES MAY BE TAPED OR TIE-WRAPPED TO EXISTING SUPPORTS EVERY 4 FT. MAX. FOR HORIZONTAL RUNS. CONTRACTOR MAY USE HOISTING GRIPS AT TOP OF VERTICAL CABLE RUNS WHEN REQUIRED.
- ALL CABLES SHALL BE ROUTED AND SECURED ON STRUCTURAL MEMBERS ONLY - DO NOT "LOOP" THE CABLES IN MID-AIR BETWEEN ANTENNAS
- REFER TO RFDS FOR DETAILED PLUMBING DIAGRAM SHOWING ALL JUMPER AND OTHER CABLING CONNECTIONS AT ANTENNAS, RRH's, DIPLEXERS OR OTHER DEVICES.

NOTE: ALL ANTENNAS VIEWED FROM REAR



BILL OF MATERIALS			
DESCRIPTION	QTY	LENGTH	COMMENTS
LOWER OVP	2	-	LOCATE IN RACK INSIDE EQUIP. RM.
12-CKT, UPPER OVP	1	-	LOCATE AT ANTENNA FRAME CENTRAL TO ALL SECTORS
6x12 LL HYBRID CABLE	2	190 FT.	
RET CONTROL CABLE	-	-	NOT REQUIRED FOR JAHH ANTENNAS
JUMPER CABLES	-	-	SEE NOTE 2
AWS/PCS DUAL BAND RRH	3	-	REFER TO RFDS FOR SPECS - 1 PER SECTOR
700/850 DUAL BAND RRH	3	-	REFER TO RFDS FOR SPECS - 1 PER SECTOR
700/850 DIPLEXER	3	-	REFER TO RFDS FOR SPECS - 1 PER SECTOR
MT6407 ANTENNA	3	-	SAMSUNG INTEGRATED; REFER TO RFDS - 1 PER SECTOR
JAHH ANTENNA - AWS/700/850-LTE	3	-	NEW TO REPLACE EXIST. ANTENNA - 1 PER SECTOR
JAHH ANTENNA - PCS/700/850-LTE	3	-	NEW TO REPLACE EXIST. ANTENNA - 1 PER SECTOR
SBS BRACKETS	3	-	REFER TO RFDS - 1 PER SECTOR
850-CDMA ANTENNA	-	-	EXISTING TO BE REMOVED

- NOTES:
- ITEMS SHOWN ARE FOR MAJOR DESIGN ELEMENTS ONLY. REFER TO VERIZON WIRELESS RFDS FOR ALL MANUFACTURER PART NUMBERS AND ACCESSORY ITEMS REQUIRED FOR A COMPLETE INSTALLATION.
 - CONTRACTOR SHALL DETERMINE AND PROVIDE ALL REQUIRED PRE-FAB JUMPER QUANTITIES AND LENGTHS, KEEPING ALL LENGTHS TO A MINIMUM.

1
DE-4 RF PLUMBING DIAGRAM
Scale: N.T.S.

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LICENSURE

DAVID WEINPAAL, P.E.
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NO	DATE	DESCRIPTION
01	08/23/21	REVIEW

DRAWN BY:	AG
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PROJECT NAME:
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AWS-PCS-850-LTE
CABLE DRAWINGS**

SITE NAME:
PROSPECT EAST CT

SITE ADDRESS:
**SBA SITE # CT02694
229 CHESHIRE RD.
PROSPECT, CT 06712**

SHEET TITLE:
**RF PLUMBING
DIAGRAM & B.O.M.**

SHEET NUMBER:
DE-4

GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR SHALL NOT COMMENCE ANY WORK UNTIL HE OBTAINS, AT HIS OWN EXPENSE, ALL INSURANCE REQUIRED BY *CELLCO PARTNERSHIP d/b/a VERIZON*, THE PROPERTY OWNER AND/OR PROPERTY MANAGEMENT COMPANY.
2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS AND ALL LOCAL LAWS AND REGULATIONS, CURRENT EDITIONS.
3. CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
4. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS AT THE SITE PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA AND SUBMIT TO THE ENGINEER ANY DISCREPANCIES FROM THE DRAWINGS.
5. CONTRACTOR IS TO REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUB-CONTRACTORS AND ALL RELATED PARTIES. THE SUB-CONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.
6. CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON DRAWINGS OR WRITTEN IN SPECIFICATIONS.
7. CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.
8. CONTRACTOR SHALL OBTAIN AT HIS OWN EXPENSE ALL PERMITS AND ALL INSPECTIONS REQUIRED FROM FEDERAL AND STATE GOVERNMENTS, COUNTIES, MUNICIPALITIES AND OTHER REGULATORY AGENCIES WHICH MAY BE REQUIRED FOR THE PROJECT.
10. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
11. ALL MATERIAL PROVIDED BY *CELLCO PARTNERSHIP d/b/a VERIZON* IS TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUB-CONTRACTOR PRIOR TO INSTALLATION. ANY DEFICIENCIES TO PROVIDED MATERIALS SHALL BE BROUGHT TO THE CONSTRUCTION MANAGERS ATTENTION IMMEDIATELY.
12. THE MATERIALS INSTALLED IN THE WORK SHALL MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. NO SUBSTITUTIONS ARE ALLOWED.
13. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION, FOR SEQUENCES AND PROCEDURES TO BE USED, AND TO ENSURE THE SAFETY OF THE EXISTING BUILDING AND ITS COMPONENT DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY.
14. CONTRACTOR SHALL COORDINATE ALL CIVIL, STRUCTURAL AND ELECTRICAL DRAWINGS FOR THE LOCATION OF ALL OPENINGS, RECESSES, BUILT-IN WORK, ETC.
15. CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
16. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ALL PRODUCTS OR ITEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND TO BE IN THE FIELD.

17. ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMEN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST-ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS, AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL O.S.H.A REQUIREMENTS.
19. CONTRACTOR SHALL COORDINATE HIS WORK AND SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROPERTY OWNER AND/OR PROPERTY MANAGEMENT COMPANY.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
21. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OR WHERE LOCAL CODES OR REGULATIONS MAY TAKE PRECEDENCE.
22. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACES, EQUIPMENT, IMPROVEMENTS, PIPING, ANTENNA AND ANTENNA CABLES AND REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.
23. CONTRACTOR SHALL REPAIR ALL EXISTING SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND WITH ADJACENT SURFACES.
24. CONTRACTOR SHALL KEEP CONTRACT AREA CLEAN, HAZARD FREE AND DISPOSE OF ALL DEBRIS AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITIONS AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
25. BEFORE FINAL ACCEPTANCE OF THE WORK, CONTRACTOR SHALL REMOVE ALL EQUIPMENT, TEMPORARY WORKS, UNUSED AND USELESS MATERIALS, RUBBISH AND TEMPORARY STRUCTURES.




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SUBMITTALS	
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PROJECT NAME:
**ANTMO MT6407
AWS-PCS-850-LTE
CABLE DRAWINGS**

SITE NAME:
PROSPECT EAST CT

SITE ADDRESS:
**SBA SITE # CT02694
229 CHESHIRE RD.
PROSPECT, CT 06712**

SHEET TITLE:
**GENERAL
CONSTRUCTION
NOTES**

SHEET NUMBER:
DE-5

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

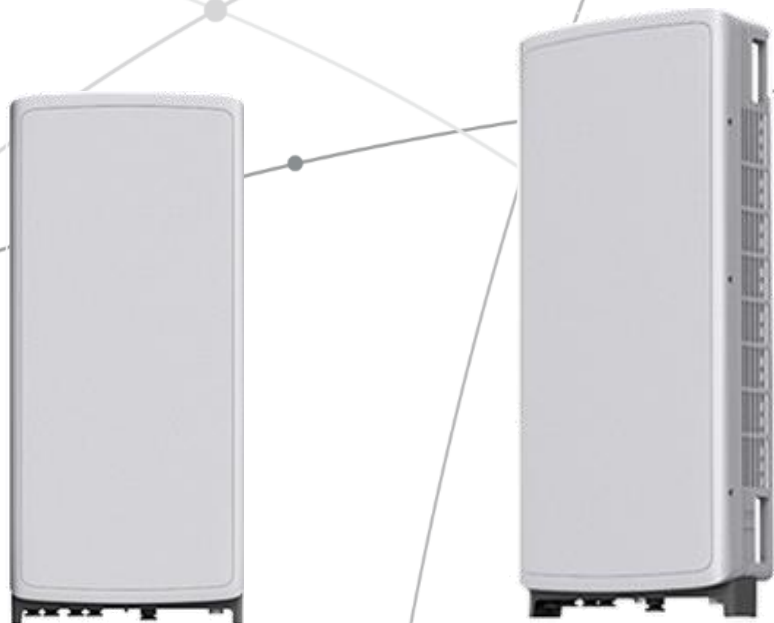
Duplex Type: FDD
Operating Frequencies:
 B13: DL(746-756MHz)/UL(777-787MHz)
 B5: DL(869-894MHz)/UL(824-849MHz)
Instantaneous Bandwidth: 10MHz(B13) + 25MHz(B5)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 207mm (29.9L)
Weight: 31.9kg
Input Power: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

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A



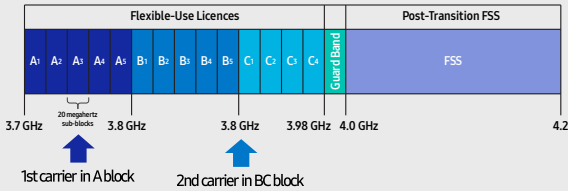
Points of Differentiation

Wide Bandwidth

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

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

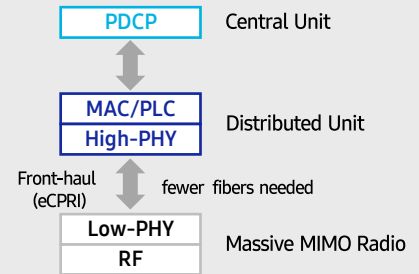
C-Band spectrum supported by Massive MIMO Radio



Future Proof Product

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

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

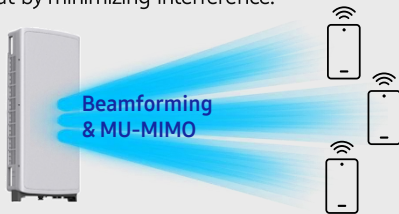


Enhanced Performance

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

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

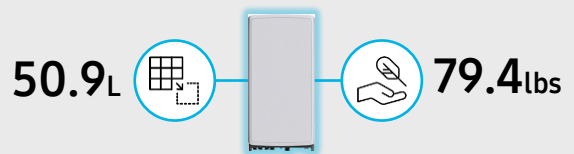
Furthermore, as C-Band massive MIMO Radio supports MU-MIMO (Multi-user MIMO), it enables to increase user throughput by minimizing interference.



Well Matched Design

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

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



Technical Specifications

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



SAMSUNG



About Samsung Electronics Co., Ltd.

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

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SAMSUNG

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

RFV01U-D1A

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



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

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

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

Features and Benefits

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

Key Technical Specifications

Duplex Type: FDD

Operating Frequencies:

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

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

Instantaneous Bandwidth:

70MHz(B66) + 60MHz(B2)

RF Chain: 4T4R/2T4R/2T2R

Output Power: Total 320W

DU-RU Interface: CPRI (10Gbps)

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

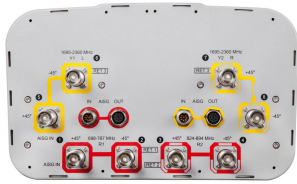
Weight: 38.3kg

Input Power: -48V DC

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

Cooling: Natural convection

JAHH-65B-R3B



8-port sector antenna, 2x 698–787, 2x 824–894 and 4x 1695–2360 MHz, 65° HPBW, 3x RET and low bands have diplexers. Internal SBT's on first LB(Port 1) and first HB(Port 5).

- Internal SBT on low and high band allow remote RET control from the radio over the RF jumper cable
- One RET for 700MHz, one RET for 850MHz, and one RET for both high bands to ensure same tilt level for 4x Rx or 4x MIMO
- Internal filter on low band and interleaved dipole technology providing for attractive, low wind load mechanical package
- Separate RS-485 RET input/output for low and high band

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light gray
Effective Projective Area (EPA), frontal	0.28 m ² | 3.014 ft ²
Effective Projective Area (EPA), lateral	0.24 m ² | 2.583 ft ²
Grounding Type	RF 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
Radome Material	Fiberglass, UV resistant
Radiator Material	Aluminum | Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, low band	4
RF Connector Quantity, total	8

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	350 mm 13.78 in
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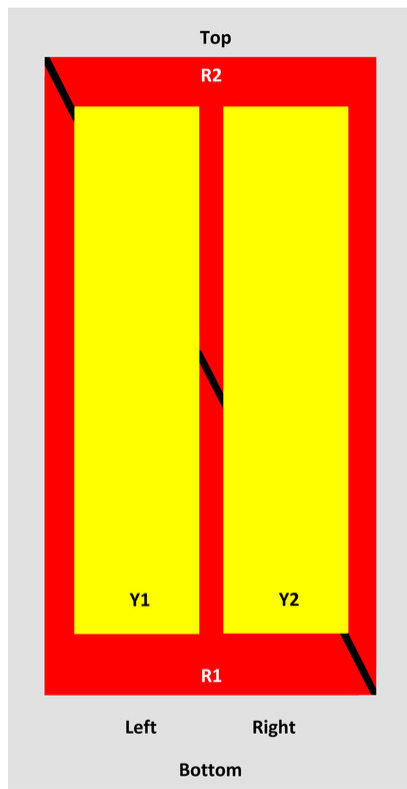
JAHH-65B-R3B

Length 1828 mm | 71.969 in

Depth 208 mm | 8.189 in

Array Layout

JAHH-65A-R3B JAHH-65B-R3B JAHH-65C-R3B



Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	698-798	1-2	1	ANXXXXXXXXXXXXXXXXX1
R2	824-894	3-4	2	ANXXXXXXXXXXXXXXXXX2
Y1	1695-2360	5-6	3	ANXXXXXXXXXXXXXXXXX3
Y2	1695-2360	7-8		

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 – 787 MHz | 824 – 894 MHz

Polarization ±45°

Remote Electrical Tilt (RET) Information, Electrical

Protocol 3GPP/AISG 2.0 (Single RET)

Power Consumption, idle state, maximum 2 W

JAHH-65B-R3B

Power Consumption, normal conditions, maximum	13 W
Input Voltage	10–30 Vdc
Internal Bias Tee	Port 1 | Port 5
Internal RET	High band (1) | Low band (2)

Electrical Specifications

Frequency Band, MHz	698–787	824–894	1695–1880	1850–1990	1920–2200	2300–2360
Gain, dBi	14.5	15.8	18	18.4	18.5	18.8
Beamwidth, Horizontal, degrees	67	65	63	63	65	68
Beamwidth, Vertical, degrees	12.4	10.5	5.7	5.2	4.9	4.4
Beam Tilt, degrees	2–14	2–14	0–10	0–10	0–10	0–10
USLS (First Lobe), dB	18	18	20	20	21	23
Front-to-Back Ratio at 180°, dB	32	34	31	35	36	38
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	200	200	300	300	300	250

Electrical Specifications, BASTA

Frequency Band, MHz	698–787	824–894	1695–1880	1850–1990	1920–2200	2300–2360
Gain by all Beam Tilts, average, dBi	14.3	14.9	17.6	18.1	18.2	18.5
Gain by all Beam Tilts Tolerance, dB	±0.3	±0.5	±0.6	±0.4	±0.5	±0.6
Gain by Beam Tilt, average, dBi	2° | 14.3 8° | 14.3 14° | 14.3	2° | 15.0 8° | 14.9 14° | 15.4	0° | 17.2 5° | 17.6 10° | 17.6	0° | 17.6 5° | 18.2 10° | 18.2	0° | 17.7 5° | 18.3 10° | 18.3	0° | 17.9 5° | 18.7 10° | 18.7
Beamwidth, Horizontal Tolerance, degrees	±1.2	±1.4	±4	±2.4	±2.9	±2.7
Beamwidth, Vertical Tolerance, degrees	±0.9	±0.5	±0.3	±0.2	±0.3	±0.1
USLS, beampeak to 20° above beampeak, dB	18	17	17	18	19	18
Front-to-Back Total Power at 180° ± 30°, dB	25	24	26	29	27	29
CPR at Boresight, dB	22	23	20	21	21	24

JAHH-65B-R3B

CPR at Sector, dB	11	12	11	11	11	8
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Mechanical Specifications

Wind Loading at Velocity, frontal	301.0 N @ 150 km/h 67.7 lbf @ 150 km/h
Wind Loading at Velocity, lateral	254.0 N @ 150 km/h | 57.1 lbf @ 150 km/h
Wind Loading at Velocity, maximum	143.4 lbf @ 150 km/h | 638.0 N @ 150 km/h
Wind Speed, maximum	241 km/h | 149.75 mph

Packaging and Weights

Width, packed	456 mm | 17.953 in
Depth, packed	357 mm | 14.055 in
Length, packed	1975 mm | 77.756 in
Net Weight, without mounting kit	29.2 kg | 64.375 lb
Weight, gross	42.5 kg | 93.696 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted



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

ATTACHMENT 3

	General	Power	Density					
Site Name: Prospect E								
Tower Height: Verizon @ 137ft								
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	FREQ.	CALC. POWER DENS	MAX. PERMISS. EXP.	FRACTION MPE	Total
*Sprint	3	13	147	1900	0.0007	1.0000	0.01%	
*Sprint	1	12	147	850	0.0002	0.5667	0.00%	
*Sprint	2	13	147	2500	0.0005	1.0000	0.00%	
*Pocket (now MetroPCS)	3	631	127	2130	0.0465	1.0000	0.46%	
*AT&T	2	565	117	880	0.0330	0.5867	0.56%	
*AT&T	2	1077	117	1900	0.0629	1.0000	0.63%	
*AT&T	1	538	117	880	0.0157	0.5867	0.27%	
*AT&T	4	934	117	1900	0.1090	1.0000	1.09%	
*AT&T	1	1375	117	734	0.0401	0.4893	0.82%	
*T-Mobile	1	855	160	700	0.0130	0.4667	0.28%	
*T-Mobile	1	2057	160	2100	0.0312	1.0000	0.31%	
*T-Mobile	2	1028	160	1900	0.0312	1.0000	0.31%	
VZW 700	4	621	137	751	0.0048	0.5007	0.95%	
VZW Cellular	2	725	137	874	0.0028	0.5827	0.48%	
VZW PCS	4	1525	137	1975	0.0117	1.0000	1.17%	
VZW AWS	4	1414	137	2120	0.0108	1.0000	1.08%	
VZW CBAND	4	6531	137	3730.08	0.0501	1.0000	5.01%	
								13.44%
* Source: Siting Council								

ATTACHMENT 4



Tower Engineering Solutions

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

Structural Analysis Report

Existing 162 ft Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT02694-B

Customer Site Name: E-Prospect

Carrier Name: Verizon (App#: 130610, V2)

Carrier Site ID / Name: 467879 / PROSPECT E CT

Site Location: 229 Cheshire Road

Prospect, Connecticut

New Haven County

Latitude: 41.507881

Longitude: -72.951025

Exp.10/31/2021



Analysis Result:

Max Structural Usage: 95.3% [Pass]

Max Foundation Usage: 66% [Pass]

Additional Usage Caused by Mount Modification: +2.0%

Report Prepared By : Mariana Franco

09/20/2021

Introduction

The purpose of this report is to summarize the analysis results on the 162 ft Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	EEL, Job # 5816, dated 10/15/1999
Foundation Drawing	EEL, Job # 5816, dated 10/21/1999
Geotechnical Report	DR. Clarence Welti, P.E, Dated 10/14/1999
Modification Drawings	FDH, Job # 05-09107E, dated 9/30/2005:FDH, Job # 1320001400, dated 6/13/2013 TES, MI, Job # 22620, dated 7/22/2016
Mount Analysis	Maser Consulting Connecticut Project #: 21777148A, dated May 5,
Mount Drawings	Maser Consulting Connecticut Project #: 21777148A Dated: 07/01/21

Analysis Criteria

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

Wind Speed Used in the Analysis:	Ultimate Design Wind Speed $V_{ult} = 125$ mph (3-Sec. Gust)/ Nominal Design Wind Speed $V_{asd} = 97.0$ mph (3-Sec. Gust)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 3/4" radial ice concurrent
Operational Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	TIA-222-G-2 / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	
Structure Class:	
Topographic Category:	
Crest Height:	0 ft
Seismic Parameters:	

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

Existing Antennas, Mounts and Transmission Lines

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			RFS ATMAA1412D-1A20-TMAs	(3) CommScope MC-	Fiber*	T-Mobile
			RFS ATMPP1412D-1CWA-TMAs			
			Ericsson Air 21 B4A/B2P - Panel			
			Ericsson S11B12-RRU			
			Ericsson S11 B2-RRU			
		3	Commscope LNX-6515DS-VTM - Panel			
			ALU 1900 MHz RRU's	Low Profile Platform		Sprint
			ALU 800 MHz Filters			
			ALU 800 MHz RRU's			
			ALU TD-RRH8x20-25 RRU's			
			RFS ACU-A20-N RETs			
			RFS APXVSP18-C-A20 - Panel			
			RFS APXVTM14-C-120 - Panel			
			Andrew SBNHH-1D65B - Panel	Low Profile Platform	(2) 1-5/8" Fiber (1) 1/2" Coax Coax	Verizon
			Swedcom SC-E 6014 rev2 - Panel			
			Antel LPA-80063-4CF-EDIN-5 - Panel			
		2	Commscope RC2DC-3315-PF-48 - ODU			
			Alcatel-Lucent B13 RRH4X30-4R - RRH			
			Alcatel-Lucent B66a RRH4x45 - RRH			
			Andrew SBNH-1D6565C - Panel	Low Profile Platform	(1) 3" Innerduct (2) 3/4" DC (1) 1/2" Fiber, inside of Innerduct)	
			Kathrein 800-10121 - Panel			
			Kathrein 860 10025 RET			
			KMW AM-X-CD-16-6500T - Panel			
			Powerwave LGP 13519			
			Ericsson RRUS 11 RRU			
			Raycap DC6-48-60-18-8F			

*Lines outside of the pole

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

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			Commscope JAHH-65B-R3B - Panel	Low Profile Platform Pipes + (3) 72" LONG, P2.5 STD Pipes + (1) 36" LONG, P2.0 STD Pipe + (3) 15" LONG, L3x3x1/4 Angles	hybrid (1) 1/2" Coax Coax	Verizon
			Samsung MT6407-77A - Panel			
			Samsung B2/B66A RRHBR049			
			Samsung B5/B13 RRHBR04C			
			Commscope CBC78T-DS-43-2X			

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

Analysis Results

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

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:			
Pass/Fail	Pass	Pass	Pass

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Analysis Reactions			

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

Operational Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 1.6198 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

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

Standard Conditions

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

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

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

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

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

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

Usage Diagram - Max Ratio 69.48% at 120.0ft

Structure: CT02694-B-SBA
Site Name: E-Prospect
Height: 162.00 (ft)
Base Elev: 0.000 (ft)

Code: EIA/TIA-222-G
Exposure: B
Gh: 1.1

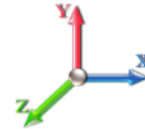
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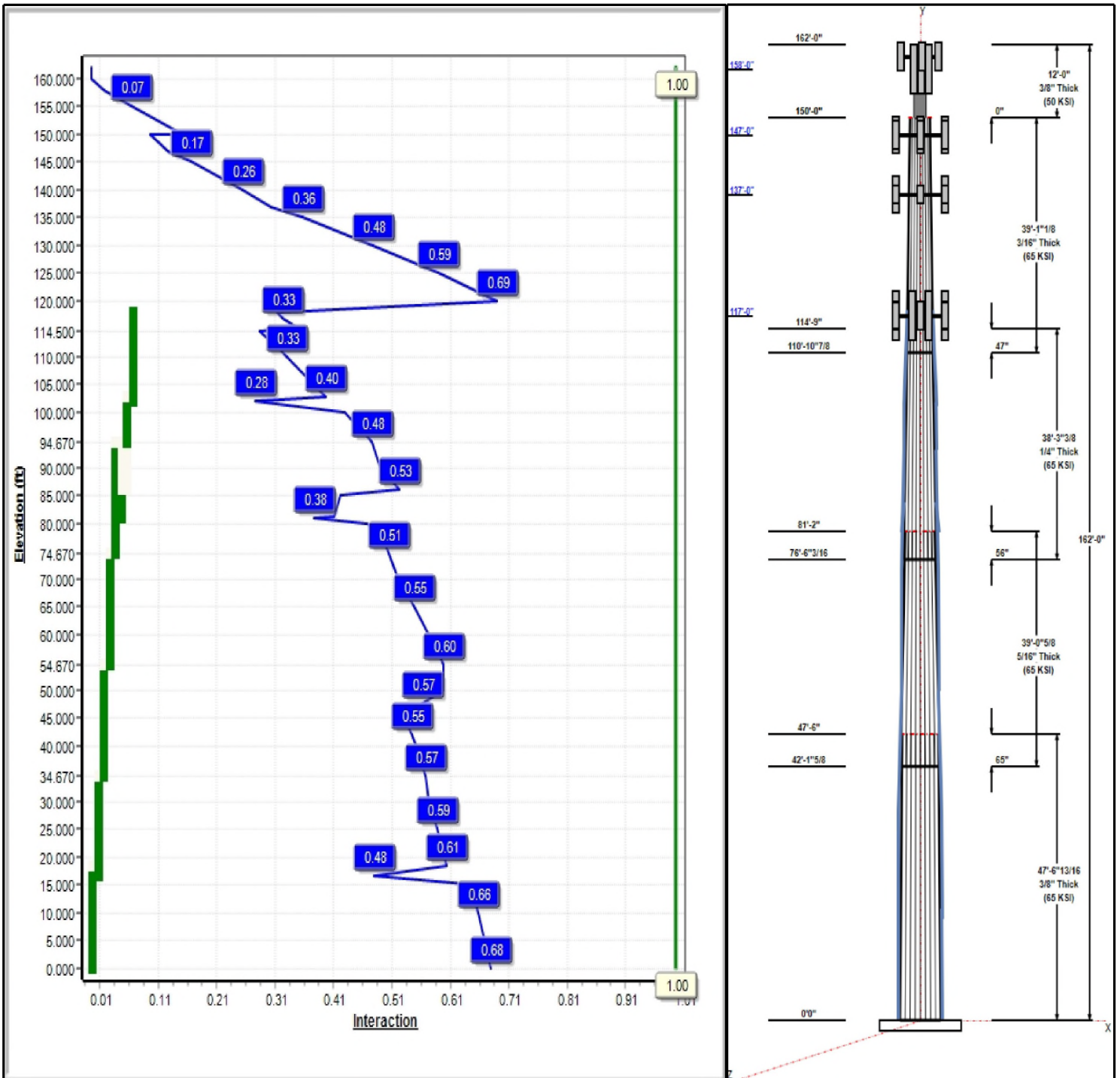
Dead Load Factor: 1.20
Wind Load Factor: 1.60

Load Case : 1.2D + 1.6W 97 mph Wind



Iterations: 27

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Structure: CT02694-B-SBA

Type: Custom
Site Name: E-Prospect
Height: 162.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.19333

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Shaft Properties

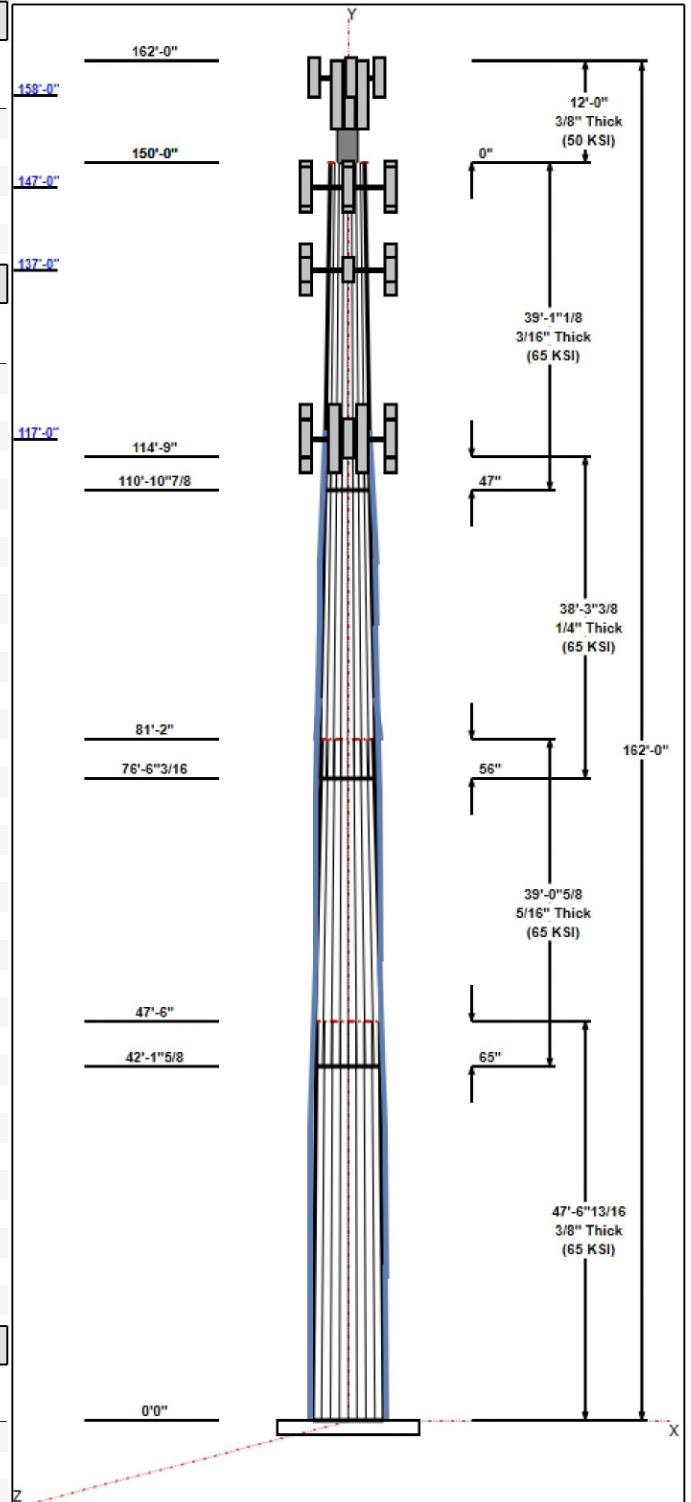
Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	47.57	37.80	47.00	0.375		0.19333	65
2	39.05	31.93	39.48	0.313	Slip	0.19333	65
3	38.28	25.93	33.33	0.250	Slip	0.19333	65
4	39.09	19.50	27.06	0.188	Slip	0.19333	65
5	12.00	12.75	12.75	0.375	Butt	0.00000	50

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
160.00	160.00	3	Ericsson S11B12-RRU	T-Mobile
160.00	160.00	3	Ericsson S11 B2-RRU	T-Mobile
160.00	160.00	3	RFS	T-Mobile
160.00	160.00	3	RFS	T-Mobile
160.00	160.00	3	CommScope	T-Mobile
160.00	160.00	3	Ericsson Air 21 B4A/B2P	T-Mobile
158.00	158.00	3	Commscope	T-Mobile
147.00	147.00	1	Low Profile Platform	Sprint
147.00	147.00	3	RFS APXVSP18-C-A20	Sprint
147.00	147.00	3	ALU 1900 MHz RRU's	Sprint
147.00	147.00	3	ALU 800 MHz RRU's	Sprint
147.00	147.00	4	ALU 800 MHz Filters	Sprint
147.00	147.00	4	RFS ACU-A20-N RET's	Sprint
147.00	147.00	3	RFS APXVTM14-C-120	Sprint
147.00	147.00	3	ALU TD-RRH8x20-25	Sprint
137.00	137.00	1	Low Profile Platform	Verizon
137.00	137.00	6	JAHH-65B-R3B	Verizon
137.00	137.00	3	MT6407-77A	Verizon
137.00	137.00	3	B2/B66A RRH-BR049	Verizon
137.00	137.00	3	B5/B13 RRH-BR04C	Verizon
137.00	137.00	1	DB-C1-12C-24AB-0Z	Verizon
137.00	137.00	3	CBC78T-DS-43	Verizon
137.00	137.00	1	MS-HRECP	Verizon
117.00	117.00	1	Low Profile Platform	AT&T
117.00	117.00	2	KMW AM-X-CD-16-6500T	AT&T
117.00	117.00	4	Andrew SBNH-1D6565C	AT&T
117.00	117.00	3	Kathrein 800-10121	AT&T
117.00	117.00	6	CCI DTMABP7819VG12A	AT&T
117.00	117.00	3	Powerwave LGP 13519	AT&T
117.00	117.00	3	CSS DBC-750	AT&T
117.00	117.00	6	Kathrein 860 10025 RET	AT&T
114.50	114.50	3	Raycap DC6-48-60-18-8F	AT&T
114.50	114.50	6	Ericsson RRUS 11	AT&T

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	160.00	Outside	1 5/8" Coax	T-Mobile
0.00	160.00	Outside	1 5/8" Fiber	T-Mobile
0.00	147.00	Inside	1-1/4" Fiber	Sprint
0.00	137.00	Inside	1 5/8" Coax	Verizon
0.00	137.00	Inside	1 5/8" Hybrid	Verizon
0.00	137.00	Inside	1/2" Coax	Verizon
100.00	120.00	Outside	Reinforcing plate	
0.00	117.00	Inside	1 5/8" Coax	AT&T



Structure: CT02694-B-SBA

Type: Custom	Base Shape: 18 Sided	9/20/2021
Site Name: E-Prospect	Taper: 0.00000	
Height: 162.00 (ft)		
Base Elev: 0.00 (ft)		Page: 3



0.00	117.00	Inside	1/2" Fiber	AT&T
0.00	117.00	Inside	3" Innerduct	AT&T
0.00	117.00	Inside	3/4" DC	AT&T
0.00	104.70	Outside	Reinforcing plate	

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
12	2.25" 18J	75.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
1.7500	62.0	60.0	Round

Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 97 mph Wind	3401.2	30.1	38.8
0.9D + 1.6W 97 mph Wind	3362.6	30.1	29.1
1.2D + 1.0Di + 1.0Wi 50 mph Wind	857.4	7.6	64.7
1.2D + 1.0E	157.7	1.3	38.8
0.9D + 1.0E	155.7	1.3	29.1
1.0D + 1.0W 60 mph Wind	831.7	7.4	32.3

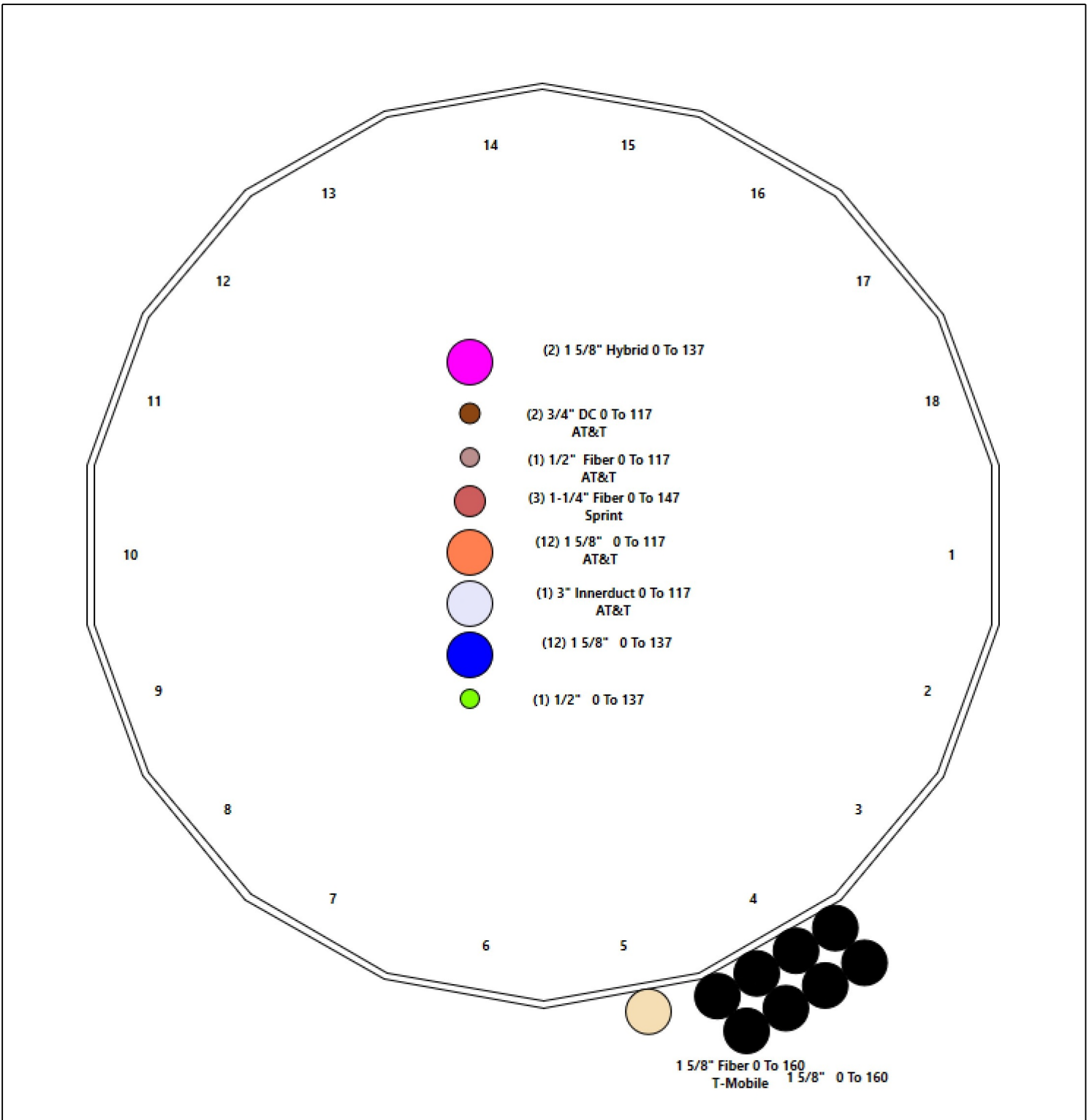
Structure: CT02694-B-SBA - Coax Line Placement

Type: Monopole
Site Name: E-Prospect
Height: 162.00 (ft)

9/20/2021



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Shaft Properties

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	47.570	0.3750	65		0.00	8,097
2	18	39.050	0.3125	65	Slip	65.20	4,664
3	18	38.280	0.2500	65	Slip	56.04	3,037
4	18	39.095	0.1875	65	Slip	46.70	1,828
5	R	12.000	0.3750	50	Flange	0.00	595
Total Shaft Weight:							18,221

Bottom

Top

Sec. No.	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Taper
1	47.00	0.00	55.49	15241.66	20.69	125.33	37.80	47.57	44.55	7884.43	16.36	100.8	0.193333
2	39.48	42.14	38.85	7528.78	20.87	126.33	31.93	81.19	31.36	3960.34	16.61	102.1	0.193333
3	33.33	76.52	26.25	3629.53	22.10	133.33	25.93	114.80	20.38	1697.93	16.88	103.7	0.193333
4	27.06	110.9	15.99	1458.78	24.04	144.31	19.50	150.00	11.49	541.58	16.93	104.0	0.193333
5	12.75	150.0	14.58	279.29	0.00	34.00	12.75	162.00	14.58	279.29	0.00	34.00	0.000000

Additional Steel

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Fu (ksi)	Offset (in)	Intermediate Connectors		Termination Connectors			
							Spacing (in)	Description	Spacing (in)	Lower Qty	Upper Qty	
0.00	18.50	3	PLT 6.5x1.25(1.25 Hole)	65	80	0.00	AJM20&sleeve	18.00	AJM20&sleeve		12	12
16.67	34.67	3	PLT 6"x1-1/4"(1.25" Hole)	65	80	0.00	AJM20&sleeve	18.00	AJM20&sleeve		11	
34.67	54.67	3	PLT 5.75x1.25(1.25 Hole)	65	80	0.00	AJM20&sleeve	18.00	AJM20&sleeve			
54.67	74.67	3	PLT 5.25"x1 1/4"(1.25"ho	65	80	0.00	AJM20&sleeve	18.00	AJM20&sleeve			
74.67	94.67	3	PLT 5"x1-1/4"(1.25"Hole)	65	80	0.00	AJM20&sleeve	18.00	AJM20&sleeve			
81.00	86.00	3	PLT C6x13 (1.25" hole)	50	65	0.00	5/8" Hollo Bolt	24.00	5/8" Hollo Bolt		8	8
94.67	102.6	3	PLT 4.5"x 1-1/4"(1.25"ho	65	80	0.00	AJM20&sleeve	18.00	AJM20&sleeve			8
102.0	118.0	3	LNP LP6X100-G-20TT	65	80	0.00	5/8" Hollo Bolt	24.00	5/8" Hollo Bolt		8	8

Load Summary

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice			Ice			Hor. Ecc. (ft)	Vert Ecc (ft)
				Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor		
1	160.00	Ericsson S11B12-RRU	3	51.00	2.83	0.50	121.05	3.506	0.50	0.00	0.00
2	160.00	Ericsson S11 B2-RRU	3	50.00	2.83	0.50	118.68	3.506	0.50	0.00	0.00
3	160.00	RFS ATMPP1412D-1CWA-TMAs	3	12.50	1.17	0.50	37.14	1.975	0.50	0.00	0.00
4	160.00	RFS ATMAA1412D-1A20-TMAs	3	13.00	1.17	0.50	39.75	1.958	0.50	0.00	0.00
5	160.00	CommScope MC-HPM1250-B	3	200.00	8.50	0.75	375.65	15.517	0.75	0.00	0.00
6	160.00	Ericsson Air 21 B4A/B2P	3	90.40	6.09	0.86	260.59	7.195	0.86	0.00	0.00
7	158.00	CommScope LNX-6515DS-VTM	3	49.80	11.47	0.80	280.90	14.738	0.80	0.00	0.00
8	147.00	Low Profile Platform	1	1200.00	22.00	1.00	2245.02	39.626	1.00	0.00	0.00
9	147.00	RFS APXVSP18-C-A20	3	57.00	8.02	0.83	229.50	10.808	0.83	0.00	0.00
10	147.00	ALU 1900 MHz RRU's	3	60.00	2.77	0.50	143.27	4.036	0.50	0.00	0.00
11	147.00	ALU 800 MHz RRU's	3	53.00	2.49	0.50	126.81	3.631	0.50	0.00	0.00
12	147.00	ALU 800 MHz Filters	4	8.80	0.78	0.50	26.41	1.426	0.50	0.00	0.00
13	147.00	RFS ACU-A20-N RET's	4	1.00	0.14	0.50	5.29	0.436	0.50	0.00	0.00
14	147.00	RFS APXVTM14-C-120	3	56.00	6.34	0.79	216.02	7.451	0.79	0.00	0.00
15	147.00	ALU TD-RRH8x20-25 RRU's	3	70.00	4.05	0.50	180.19	4.861	0.50	0.00	0.00
16	137.00	Low Profile Platform	1	1200.00	22.00	1.00	2237.68	39.502	1.00	0.00	0.00
17	137.00	JAHH-65B-R3B	6	63.30	9.11	0.83	291.33	10.444	0.83	0.00	0.00
18	137.00	MT6407-77A	3	79.40	4.69	0.70	197.64	5.628	0.70	0.00	0.00
19	137.00	B2/B66A RRH-BR049	3	84.40	1.87	0.67	160.10	2.438	0.67	0.00	0.00
20	137.00	B5/B13 RRH-BR04C (RFV01U-D2A)	3	70.30	1.87	0.67	138.87	2.438	0.67	0.00	0.00
21	137.00	DB-C1-12C-24AB-0Z	1	32.00	4.06	1.00	144.90	4.875	1.00	0.00	0.00
22	137.00	CBC78T-DS-43	3	10.40	0.37	0.50	30.87	0.650	0.50	0.00	0.00
23	137.00	MS-HRECP	1	514.00	12.25	1.00	1118.48	24.114	1.00	0.00	0.00
24	117.00	Low Profile Platform	1	1200.00	22.00	1.00	2221.43	39.228	1.00	0.00	0.00
25	117.00	KMW AM-X-CD-16-6500T	2	33.00	6.05	0.81	174.23	8.098	0.81	0.00	0.00
26	117.00	Andrew SBNH-1D6565C	4	66.10	11.47	0.80	290.35	14.641	0.80	0.00	0.00
27	117.00	Kathrein 800-10121	3	44.10	5.15	0.79	156.14	7.205	0.79	0.00	0.00
28	117.00	CCI DTMAPB7819VG12A	6	19.20	1.14	0.67	44.09	1.891	0.67	0.00	0.00
29	117.00	Powerwave LGP 13519	3	5.30	0.34	0.50	14.56	0.783	0.50	0.00	0.00
30	117.00	CSS DBC-750	3	4.80	0.51	0.50	14.23	1.026	0.50	0.00	0.00
31	117.00	Kathrein 860 10025 RET	6	1.20	0.18	0.50	7.05	0.550	0.50	0.00	0.00
32	114.50	Raycap DC6-48-60-18-8F	3	20.00	1.26	0.67	71.36	1.902	0.67	0.00	0.00
33	114.50	Ericsson RRUS 11	6	50.70	2.52	0.67	137.00	3.152	0.67	0.00	0.00
Totals:			103	8,566.20			21,220.94				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	160.00	(8) 1 5/8" Coax	5.94	Outside
0.00	160.00	(1) 1 5/8" Fiber	0.00	Outside
0.00	147.00	(3) 1-1/4" Fiber	0.00	Inside
0.00	137.00	(12) 1 5/8" Coax	0.00	Inside
0.00	137.00	(2) 1 5/8" Hybrid	0.00	Inside
0.00	137.00	(1) 1/2" Coax	0.00	Inside
100.0	120.00	(1) Reinforcing plate	1.00	Outside
0.00	117.00	(12) 1 5/8" Coax	0.00	Inside

Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice			Ice			Hor. Ecc. (ft)	Vert Ecc (ft)
				Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor		
0.00	117.00	(1) 1/2" Fiber		0.00							
0.00	117.00	(1) 3" Innerduct		0.00							
0.00	117.00	(2) 3/4" DC		0.00							
0.00	104.70	(1) Reinforcing plate		1.25							

Shaft Section Properties

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Increment Length: 5 (ft)

Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)	Additional Reinforcing			
											Area (in^2)	Ixp (in^4)	Iyp (in^4)	Weight (lb)
0.00	RB1	0.3750	47.000	55.493	15241.7	20.69	125.33	65	77	0.0	24.38	8697.5	5479.8	
5.00		0.3750	46.033	54.343	14313.2	20.23	122.76	65	78	934.4	24.38	8353.3	5264.0	414.7
10.00		0.3750	45.067	53.192	13423.2	19.78	120.18	65	78	914.8	24.38	8016.1	5052.6	414.7
15.00		0.3750	44.100	52.042	12570.9	19.33	117.60	65	79	895.2	24.38	7685.9	4845.5	414.7
16.67	RB2	0.3750	43.777	51.658	12294.4	19.17	116.74	65	79	294.6	46.88	13327.7	10528.4	266.4
18.50	RT1	0.3750	43.423	51.236	11996.2	19.01	115.80	65	79	320.4	22.50	5648.1	5648.1	140.1
20.00		0.3750	43.133	50.891	11755.4	18.87	115.02	65	79	260.6	22.50	5575.5	5575.5	114.8
25.00		0.3750	42.167	49.741	10976.0	18.42	112.44	65	80	856.1	22.50	5336.8	5336.8	382.8
30.00		0.3750	41.200	48.590	10231.9	17.96	109.87	65	80	836.5	22.50	5103.3	5103.3	382.8
34.67	RT2 RB3	0.3750	40.297	47.516	9567.9	17.54	107.46	65	81	763.6	21.56	4683.7	4683.7	342.6
35.00		0.3750	40.233	47.440	9522.1	17.51	107.29	65	81	53.3	21.56	4669.4	4669.4	24.2
40.00		0.3750	39.267	46.289	8846.0	17.05	104.71	65	81	797.3	21.56	4455.7	4455.7	366.9
42.14	Bot - Section 2	0.3750	38.854	45.797	8567.1	16.86	103.61	65	82	334.8	21.56	4366.0	4366.0	156.8
45.00		0.3750	38.300	45.139	8202.6	16.60	102.13	65	82	818.8	21.56	4381.4	4381.4	210.1
47.57	Top - Section 1	0.3125	38.428	37.805	6939.1	20.27	122.97	65	78	724.9	21.56	4274.5	4274.5	188.6
50.00		0.3125	37.958	37.339	6685.7	20.01	121.47	65	78	310.7	21.56	4174.6	4174.6	178.3
54.67	RT3 RB4	0.3125	37.055	36.443	6216.1	19.50	118.58	65	78	586.2	19.69	3634.8	3634.8	312.8
55.00		0.3125	36.992	36.380	6183.8	19.46	118.37	65	79	40.9	19.69	3622.8	3622.8	22.1
60.00		0.3125	36.025	35.421	5707.6	18.92	115.28	65	79	610.8	19.69	3443.2	3443.2	334.9
65.00		0.3125	35.058	34.462	5256.6	18.37	112.19	65	80	594.5	19.69	3268.1	3268.1	334.9
70.00		0.3125	34.092	33.504	4829.9	17.83	109.09	65	80	578.2	19.69	3097.7	3097.7	334.9
74.67	RT4 RB5	0.3125	33.189	32.608	4452.9	17.32	106.20	65	81	525.3	18.75	2800.5	2800.5	297.9
75.00		0.3125	33.125	32.545	4427.0	17.28	106.00	65	81	36.6	18.75	2790.2	2790.2	21.0
76.52	Bot - Section 3	0.3125	32.832	32.254	4309.4	17.11	105.06	65	81	167.2	18.75	2743.2	2743.2	96.7
80.00		0.3125	32.158	31.586	4047.2	16.73	102.91	65	82	686.3	18.75	2715.5	2715.5	222.2
81.00	RB6	0.3125	31.965	31.394	3973.9	16.63	102.29	65	82	194.4	30.24	5083.0	4191.2	102.8
81.19	Top - Section 2	0.2500	32.429	25.533	3340.4	21.46	129.72	65	76	36.2	30.24	5072.6	4182.6	19.2
85.00		0.2500	31.692	24.948	3116.0	20.94	126.77	65	77	327.5	30.24	4862.4	4007.5	391.9
86.00	RT6	0.2500	31.498	24.795	3058.9	20.81	125.99	65	77	84.6	18.75	2534.3	2534.3	63.8
90.00		0.2500	30.725	24.181	2837.4	20.26	122.90	65	78	333.3	18.75	2417.0	2417.0	255.1
94.67	RT5 RB7	0.2500	29.822	23.465	2592.6	19.62	119.29	65	78	378.6	16.88	2051.9	2051.9	268.2
95.00		0.2500	29.758	23.414	2575.8	19.58	119.03	65	78	26.3	16.88	2043.5	2043.5	18.9
100.00		0.2500	28.792	22.647	2330.9	18.90	115.17	65	79	391.8	16.88	1919.1	1919.1	287.1
102.00	RB8	0.2500	28.405	22.340	2237.4	18.62	113.62	65	79	153.1	34.88	3843.6	3843.6	237.3
102.67	RT7	0.2500	28.275	22.237	2206.7	18.53	113.10	65	80	50.8	18.00	1956.1	1956.1	41.0
105.00		0.2500	27.825	21.880	2102.0	18.21	111.30	65	80	174.9	18.00	1897.2	1897.2	142.7
110.00		0.2500	26.858	21.113	1888.6	17.53	107.43	65	81	365.7	18.00	1773.9	1773.9	306.2
110.91	Bot - Section 4	0.2500	26.683	20.974	1851.6	17.41	106.73	65	81	64.8	18.00	1752.1	1752.1	55.4
114.50		0.2500	25.988	20.423	1709.3	16.92	103.95	65	82	446.3	18.00	1712.4	1712.4	220.2
114.80	Top - Section 3	0.1875	26.306	15.543	1339.6	23.33	140.30	65	74	36.3	18.00	1705.4	1705.4	18.2
115.00		0.1875	26.267	15.520	1333.6	23.29	140.09	65	74	10.7	18.00	1700.6	1700.6	12.5
117.00		0.1875	25.880	15.290	1275.2	22.93	138.03	65	74	104.8	18.00	1653.5	1653.5	122.5
118.00	RT8	0.1875	25.687	15.175	1246.6	22.75	137.00	65	75	51.8	18.00	1630.2	1630.2	61.2
120.00		0.1875	25.300	14.945	1190.7	22.38	134.93	65	75	102.5				
125.00		0.1875	24.333	14.369	1058.5	21.47	129.78	65	76	249.4				
130.00		0.1875	23.367	13.794	936.4	20.56	124.62	65	77	239.6				
135.00		0.1875	22.400	13.219	824.0	19.65	119.47	65	78	229.8				
137.00		0.1875	22.013	12.989	781.7	19.29	117.40	65	79	89.2				
140.00		0.1875	21.433	12.643	721.1	18.75	114.31	65	79	130.8				
145.00		0.1875	20.467	12.068	627.0	17.84	109.16	65	80	210.2				

Increment Length: 5 (ft)

Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)	Additional Reinforcing			
											Area (in^2)	Ixp (in^4)	Iyp (in^4)	Weight (lb)
147.00		0.1875	20.080	11.838	591.9	17.47	107.09	65	81	81.3				
150.00	Top - Section 4	0.1875	19.500	11.493	541.6	16.93	104.00	65	81	119.1				
150.00	Bot - Section 5	0.3750	12.750	14.579	279.3	8.46	52.00	50	50					
155.00		0.3750	12.750	14.579	279.3	0.00	34.00	50	50	248.0				
158.00		0.3750	12.750	14.579	279.3	0.00	34.00	50	50	148.8				
160.00		0.3750	12.750	14.579	279.3	0.00	34.00	50	50	99.2				
162.00		0.3750	12.750	14.579	279.3	0.00	34.00	50	50	99.2				
Total Weight										18221.3	8600.4			

Wind Loading - Shaft

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



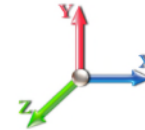
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Load Case: 1.2D + 1.6W 97 mph Wind

Iterations 27

Dead Load Factor 1.20

Wind Load Factor 1.60



Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00	RB1	1.00	0.70	16.018	17.62	322.76	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	16.018	17.62	316.13	0.752 *	0.000	5.00	19.681	14.80	417.1	0.0	1121.2
10.00		1.00	0.70	16.018	17.62	309.49	0.758 *	0.000	5.00	19.272	14.61	411.9	0.0	1097.8
15.00		1.00	0.70	16.018	17.62	302.85	0.765 *	0.000	5.00	18.863	14.42	406.6	0.0	1074.3
16.67	RB2	1.00	0.70	16.018	17.62	300.63	0.769 *	0.000	1.67	6.209	4.78	134.7	0.0	353.6
18.50	RT1	1.00	0.70	16.018	17.62	298.20	0.772 *	0.000	1.83	6.752	5.21	146.9	0.0	384.4
20.00		1.00	0.70	16.018	17.62	296.21	0.774 *	0.000	1.50	5.493	4.25	119.9	0.0	312.8
25.00		1.00	0.70	16.018	17.62	289.57	0.779 *	0.000	5.00	18.045	14.05	396.2	0.0	1027.3
30.00		1.00	0.70	16.031	17.63	283.05	0.786 *	0.000	5.00	17.636	13.87	391.2	0.0	1003.8
34.67	RT2 RB3	1.00	0.73	16.708	18.38	282.63	0.794 *	0.000	4.67	16.103	12.78	375.9	0.0	916.3
35.00		1.00	0.73	16.753	18.43	282.57	0.798 *	0.000	0.33	1.124	0.90	26.5	0.0	64.0
40.00		1.00	0.76	17.405	19.15	281.09	0.802 *	0.000	5.00	16.818	13.49	413.4	0.0	956.8
42.14	Bot - Section 2	1.00	0.77	17.665	19.43	280.21	0.808 *	0.000	2.14	7.062	5.71	177.5	0.0	401.7
45.00		1.00	0.79	18.000	19.80	278.82	0.813 *	0.000	2.86	9.498	7.72	244.6	0.0	982.6
47.57	Top - Section 1	1.00	0.80	18.288	20.12	277.40	0.818 *	0.000	2.57	8.411	6.88	221.4	0.0	869.9
50.00		1.00	0.81	18.551	20.41	280.52	0.817 *	0.000	2.43	7.853	6.41	209.4	0.0	372.8
54.67	RT3 RB4	1.00	0.83	19.030	20.93	277.37	0.823 *	0.000	4.67	14.822	12.20	408.6	0.0	703.5
55.00		1.00	0.83	19.063	20.97	277.13	0.828 *	0.000	0.33	1.034	0.86	28.7	0.0	49.1
60.00		1.00	0.85	19.543	21.50	273.26	0.833 *	0.000	5.00	15.446	12.87	442.7	0.0	733.0
65.00		1.00	0.87	19.995	21.99	268.99	0.843 *	0.000	5.00	15.037	12.68	446.4	0.0	713.4
70.00		1.00	0.89	20.422	22.46	264.36	1.200 *	0.000	5.00	14.628	17.55	631.0	0.0	693.8
74.67	RT4 RB5	1.00	0.91	20.803	22.88	259.74	1.200 *	0.000	4.67	13.294	15.95	584.1	0.0	630.3
75.00		1.00	0.91	20.829	22.91	259.40	1.200 *	0.000	0.33	0.926	1.11	40.7	0.0	43.9
76.52	Bot - Section 3	1.00	0.92	20.949	23.04	257.84	1.200 *	0.000	1.52	4.232	5.08	187.3	0.0	200.7
80.00		1.00	0.93	21.217	23.34	254.17	1.200 *	0.000	3.48	9.725	11.67	435.8	0.0	823.6
81.00	RB6	1.00	0.93	21.292	23.42	253.09	1.200 *	0.000	1.00	2.755	3.31	123.9	0.0	233.3
81.19	Top - Section 2	1.00	0.93	21.306	23.44	252.88	1.200 *	0.000	0.19	0.513	0.62	23.1	0.0	43.4
85.00		1.00	0.94	21.587	23.75	252.66	1.200 *	0.000	3.81	10.345	12.41	471.7	0.0	393.0
86.00	RT6	1.00	0.95	21.660	23.83	251.54	1.200 *	0.000	1.00	2.674	3.21	122.3	0.0	101.6
90.00		1.00	0.96	21.943	24.14	246.96	1.200 *	0.000	4.00	10.531	12.64	488.0	0.0	400.0
94.67	RT5 RB7	1.00	0.97	22.262	24.49	241.44	1.200 *	0.000	4.67	11.963	14.36	562.5	0.0	454.3
95.00		1.00	0.97	22.284	24.51	241.04	1.200 *	0.000	0.33	0.832	1.00	39.2	0.0	31.6
100.00		1.00	0.99	22.613	24.87	234.93	1.200 *	0.000	5.00	12.386	14.86	591.6	0.0	470.2
102.00	RB8	1.00	0.99	22.742	25.02	232.43	1.200 *	0.000	2.00	4.840	5.81	232.5	0.0	183.7
102.67	RT7	1.00	1.00	22.784	25.06	231.59	1.200 *	0.000	0.67	1.607	1.93	77.3	0.0	61.0
105.00		1.00	1.00	22.931	25.22	228.63	1.200 *	0.000	2.33	5.530	6.64	267.8	0.0	209.9
110.00		1.00	1.02	23.238	25.56	222.16	1.200 *	0.000	5.00	11.568	13.88	567.7	0.0	438.9
110.91	Bot - Section 4	1.00	1.02	23.292	25.62	220.97	1.200 *	0.000	0.91	2.050	2.46	100.9	0.0	77.8
114.50	Appurtenance(s)	1.00	1.03	23.505	25.86	216.20	1.200 *	0.000	3.59	8.126	9.75	403.4	0.0	535.5
114.80	Top - Section 3	1.00	1.03	23.523	25.88	215.80	1.200 *	0.000	0.30	0.661	0.79	32.8	0.0	43.6
115.00		1.00	1.03	23.535	25.89	218.65	1.200 *	0.000	0.20	0.452	0.54	22.5	0.0	12.9
117.00	Appurtenance(s)	1.00	1.03	23.651	26.02	215.96	1.200 *	0.000	2.00	4.413	5.30	220.4	0.0	125.8
118.00	RT8	1.00	1.04	23.708	26.08	214.61	1.200 *	0.000	1.00	2.182	2.62	109.2	0.0	62.2
120.00		1.00	1.04	23.823	26.20	211.89	1.200 *	0.000	2.00	4.314	5.18	217.1	0.0	123.0
125.00		1.00	1.05	24.102	26.51	204.98	1.200 *	0.000	5.00	10.500	12.60	534.5	0.0	299.2
130.00		1.00	1.07	24.374	26.81	197.94	1.200 *	0.000	5.00	10.091	12.11	519.4	0.0	287.5
135.00		1.00	1.08	24.638	27.10	190.78	1.200 *	0.000	5.00	9.682	11.62	503.8	0.0	275.8

Wind Loading - Shaft

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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137.00 Appurtenance(s)	1.00	1.08	24.742	27.22	187.88	1.200 *	0.000	2.00	3.758	4.51	196.4	0.0	107.0
140.00	1.00	1.09	24.895	27.38	183.50	1.200 *	0.000	3.00	5.515	6.62	290.0	0.0	157.0
145.00	1.00	1.10	25.146	27.66	176.10	1.200 *	0.000	5.00	8.864	10.64	470.7	0.0	252.3
147.00 Appurtenance(s)	1.00	1.10	25.245	27.77	173.11	1.200 *	0.000	2.00	3.431	4.12	182.9	0.0	97.6
150.00 Top - Section 4	1.00	1.11	25.391	27.93	168.60	1.200 *	0.000	3.00	5.024	6.03	269.4	0.0	142.9
155.00	1.00	1.12	25.630	28.19	109.07	1.200 *	0.000	5.00	5.313	6.38	287.6	0.0	297.7
158.00 Appurtenance(s)	1.00	1.13	25.771	28.35	109.37	1.200 *	0.000	3.00	3.188	3.82	173.5	0.0	178.6
160.00 Appurtenance(s)	1.00	1.13	25.863	28.45	109.57	1.200 *	0.000	2.00	2.125	2.55	116.1	0.0	119.1
162.00	1.00	1.13	25.955	28.55	109.76	0.600	0.000	2.00	2.125	1.27	58.2	0.0	119.1
Totals:								162.00			15,574.6		21,865.6

* CfA djusted byL inear Load RaE ffect

Discrete Appurtenance Forces

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

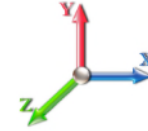


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Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 27

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	
1	160.00	CommScope	3	25.863	28.450	0.56	0.75	14.34	720.00	0.000	0.000	652.92	0.00	0.00	
2	160.00	RFS	3	25.863	28.450	0.40	0.80	1.40	46.80	0.000	0.000	63.91	0.00	0.00	
3	160.00	RFS	3	25.863	28.450	0.40	0.80	1.40	45.00	0.000	0.000	63.91	0.00	0.00	
4	160.00	Ericsson S11 B2-RRU	3	25.863	28.450	0.40	0.80	3.40	180.00	0.000	0.000	154.58	0.00	0.00	
5	160.00	Ericsson S11B12-RRU	3	25.863	28.450	0.40	0.80	3.40	183.60	0.000	0.000	154.58	0.00	0.00	
6	160.00	Ericsson Air 21 B4A/B2P	3	25.863	28.450	0.69	0.80	12.57	325.44	0.000	0.000	572.17	0.00	0.00	
7	158.00	Commscope	3	25.771	28.348	0.64	0.80	22.02	179.28	0.000	0.000	998.85	0.00	0.00	
8	147.00	RFS APXVSP18-C-A20	3	25.245	27.769	0.66	0.80	15.98	205.20	0.000	0.000	709.82	0.00	0.00	
9	147.00	ALU 1900 MHz RRUs	3	25.245	27.769	0.40	0.80	3.32	216.00	0.000	0.000	147.69	0.00	0.00	
10	147.00	ALU 800 MHz RRUs	3	25.245	27.769	0.40	0.80	2.99	190.80	0.000	0.000	132.76	0.00	0.00	
11	147.00	Low Profile Platform	1	25.245	27.769	1.00	1.00	22.00	1440.00	0.000	0.000	977.48	0.00	0.00	
12	147.00	ALU TD-RRH8x20-25	3	25.245	27.769	0.40	0.80	4.86	252.00	0.000	0.000	215.93	0.00	0.00	
13	147.00	ALU 800 MHz Filters	4	25.245	27.769	0.40	0.80	1.25	42.24	0.000	0.000	55.45	0.00	0.00	
14	147.00	RFS ACU-A20-N RETs	4	25.245	27.769	0.40	0.80	0.22	4.80	0.000	0.000	9.95	0.00	0.00	
15	147.00	RFS APXVTM14-C-120	3	25.245	27.769	0.63	0.80	12.02	201.60	0.000	0.000	534.09	0.00	0.00	
16	137.00	MS-HRECP	1	24.742	27.216	1.00	1.00	12.25	616.80	0.000	0.000	533.43	0.00	0.00	
17	137.00	CBC78T-DS-43	3	24.742	27.216	0.38	0.75	0.42	37.44	0.000	0.000	18.13	0.00	0.00	
18	137.00	B5/B13 RRH-BR04C	3	24.742	27.216	0.50	0.75	2.82	253.08	0.000	0.000	122.76	0.00	0.00	
19	137.00	B2/B66A RRH-BR049	3	24.742	27.216	0.50	0.75	2.82	303.84	0.000	0.000	122.76	0.00	0.00	
20	137.00	MT6407-77A	3	24.742	27.216	0.52	0.75	7.39	285.84	0.000	0.000	321.66	0.00	0.00	
21	137.00	JAHH-65B-R3B	6	24.742	27.216	0.62	0.75	34.03	455.76	0.000	0.000	1481.67	0.00	0.00	
22	137.00	Low Profile Platform	1	24.742	27.216	1.00	1.00	22.00	1440.00	0.000	0.000	958.00	0.00	0.00	
23	137.00	DB-C1-12C-24AB-0Z	1	24.742	27.216	0.75	0.75	3.04	38.40	0.000	0.000	132.60	0.00	0.00	
24	117.00	Kathrein 800-10121	3	23.651	26.016	0.63	0.80	9.76	158.76	0.000	0.000	406.45	0.00	0.00	
25	117.00	Low Profile Platform	1	23.651	26.016	1.00	1.00	22.00	1440.00	0.000	0.000	915.76	0.00	0.00	
26	117.00	KMW AM-X-CD-16-6500T	2	23.651	26.016	0.65	0.80	7.84	79.20	0.000	0.000	326.38	0.00	0.00	
27	117.00	Andrew SBNH-1D6565C	4	23.651	26.016	0.64	0.80	29.36	317.28	0.000	0.000	1222.26	0.00	0.00	
28	117.00	CSS DBC-750	3	23.651	26.016	0.40	0.80	0.61	17.28	0.000	0.000	25.47	0.00	0.00	
29	117.00	CCI DTMAPB7819VG12A	6	23.651	26.016	0.54	0.80	3.67	138.24	0.000	0.000	152.61	0.00	0.00	
30	117.00	Powerwave LGP 13519	3	23.651	26.016	0.40	0.80	0.41	19.08	0.000	0.000	16.98	0.00	0.00	
31	117.00	Kathrein 860 10025 RET	6	23.651	26.016	0.40	0.80	0.43	8.64	0.000	0.000	17.98	0.00	0.00	
32	114.50	Ericsson RRUS 11	6	23.505	25.856	0.54	0.80	8.10	365.04	0.000	0.000	335.27	0.00	0.00	
33	114.50	Raycap DC6-48-60-18-8F	3	23.505	25.856	0.54	0.80	2.03	72.00	0.000	0.000	83.82	0.00	0.00	
Totals:									10,279.44						12,638.06

Total Applied Force Summary

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

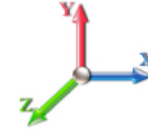


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Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 27

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		417.14	1366.12	0.00	0.00
10.00		411.89	1342.63	0.00	0.00
15.00		406.65	1319.14	0.00	0.00
16.67		134.65	435.36	0.00	0.00
18.50		146.88	474.06	0.00	0.00
20.00		119.87	386.23	0.00	0.00
25.00		396.16	1272.16	0.00	0.00
30.00		391.24	1248.67	0.00	0.00
34.67		375.90	1145.04	0.00	0.00
35.00		26.45	80.14	0.00	0.00
40.00		413.36	1201.69	0.00	0.00
42.14		177.52	506.36	0.00	0.00
45.00		244.62	1122.82	0.00	0.00
47.57		221.42	995.77	0.00	0.00
50.00		209.36	491.81	0.00	0.00
54.67		408.62	932.19	0.00	0.00
55.00		28.72	65.23	0.00	0.00
60.00		442.66	977.84	0.00	0.00
65.00		446.35	958.26	0.00	0.00
70.00		728.73	938.69	0.00	0.00
74.67		676.43	859.06	0.00	0.00
75.00		47.26	60.06	0.00	0.00
76.52		217.38	274.93	0.00	0.00
80.00		505.53	994.17	0.00	0.00
81.00		143.97	282.25	0.00	0.00
81.19		26.81	52.53	0.00	0.00
85.00		548.83	579.78	0.00	0.00
86.00		142.58	150.53	0.00	0.00
90.00		569.78	595.87	0.00	0.00
94.67		658.80	682.99	0.00	0.00
95.00		45.96	47.75	0.00	0.00
100.00		695.67	715.08	0.00	0.00
102.00		282.26	281.65	0.00	0.00
102.67		94.02	93.79	0.00	0.00
105.00		324.67	323.98	0.00	0.00
110.00		668.52	683.76	0.00	0.00
110.91		119.12	122.09	0.00	0.00
114.50	(9) attachments	895.43	1148.65	0.00	0.00
114.80		38.87	58.09	0.00	0.00
115.00		26.61	22.85	0.00	0.00
117.00	(28) attachments	3345.05	2402.23	0.00	0.00
118.00		129.65	94.74	0.00	0.00
120.00		257.99	188.08	0.00	0.00
125.00		616.29	461.98	0.00	0.00
130.00		601.72	450.23	0.00	0.00
135.00		586.51	438.49	0.00	0.00

Total Applied Force Summary

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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137.00	(21) attachments	3920.52	3603.27	0.00	0.00
140.00		339.84	201.21	0.00	0.00
145.00		554.31	325.96	0.00	0.00
147.00	(24) attachments	2999.58	2679.73	0.00	0.00
150.00		319.79	176.81	0.00	0.00
155.00		371.93	354.17	0.00	0.00
158.00	(3) attachments	1223.10	391.78	0.00	0.00
160.00	(18) attachments	1812.05	1642.51	0.00	0.00
162.00		58.24	119.06	0.00	0.00
	Totals:	30,013.28	38,820.30	0.00	0.00

Linear Appurtenance Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

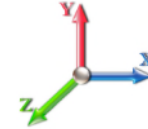


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Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.152	1.157	16.018	0.00	49.92
5.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.152	1.157	16.018	0.00	6.60
5.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.152	1.157	16.018	0.00	0.00
10.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.155	1.166	16.018	0.00	49.92
10.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.155	1.166	16.018	0.00	6.60
10.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.155	1.166	16.018	0.00	0.00
15.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.159	1.176	16.018	0.00	49.92
15.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.159	1.176	16.018	0.00	6.60
15.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.159	1.176	16.018	0.00	0.00
16.67	1 5/8" Coax	Yes	1.67	0.000	5.94	0.83	0.00	0.161	1.183	16.018	0.00	16.67
16.67	1 5/8" Fiber	Yes	1.67	0.000	0.00	0.00	0.00	0.161	1.183	16.018	0.00	2.20
16.67	Reinforcing plate	Yes	1.67	0.000	1.25	0.17	0.00	0.161	1.183	16.018	0.00	0.00
18.50	1 5/8" Coax	Yes	1.83	0.000	5.94	0.91	0.00	0.162	1.187	16.018	0.00	18.27
18.50	1 5/8" Fiber	Yes	1.83	0.000	0.00	0.00	0.00	0.162	1.187	16.018	0.00	2.42
18.50	Reinforcing plate	Yes	1.83	0.000	1.25	0.19	0.00	0.162	1.187	16.018	0.00	0.00
20.00	1 5/8" Coax	Yes	1.50	0.000	5.94	0.74	0.00	0.164	1.191	16.018	0.00	14.98
20.00	1 5/8" Fiber	Yes	1.50	0.000	0.00	0.00	0.00	0.164	1.191	16.018	0.00	1.98
20.00	Reinforcing plate	Yes	1.50	0.000	1.25	0.16	0.00	0.164	1.191	16.018	0.00	0.00
25.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.166	1.198	16.018	0.00	49.92
25.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.166	1.198	16.018	0.00	6.60
25.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.166	1.198	16.018	0.00	0.00
30.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.170	1.210	16.031	0.00	49.92
30.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.170	1.210	16.031	0.00	6.60
30.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.170	1.210	16.031	0.00	0.00
34.67	1 5/8" Coax	Yes	4.67	0.000	5.94	2.31	0.00	0.174	1.221	16.708	0.00	46.63
34.67	1 5/8" Fiber	Yes	4.67	0.000	0.00	0.00	0.00	0.174	1.221	16.708	0.00	6.16
34.67	Reinforcing plate	Yes	4.67	0.000	1.25	0.49	0.00	0.174	1.221	16.708	0.00	0.00
35.00	1 5/8" Coax	Yes	0.33	0.000	5.94	0.16	0.00	0.176	1.228	16.753	0.00	3.29
35.00	1 5/8" Fiber	Yes	0.33	0.000	0.00	0.00	0.00	0.176	1.228	16.753	0.00	0.44
35.00	Reinforcing plate	Yes	0.33	0.000	1.25	0.03	0.00	0.176	1.228	16.753	0.00	0.00
40.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.178	1.234	17.405	0.00	49.92
40.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.178	1.234	17.405	0.00	6.60
40.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.178	1.234	17.405	0.00	0.00
42.14	1 5/8" Coax	Yes	2.14	0.000	5.94	1.06	0.00	0.181	1.244	17.665	0.00	21.33
42.14	1 5/8" Fiber	Yes	2.14	0.000	0.00	0.00	0.00	0.181	1.244	17.665	0.00	2.82
42.14	Reinforcing plate	Yes	2.14	0.000	1.25	0.22	0.00	0.181	1.244	17.665	0.00	0.00
45.00	1 5/8" Coax	Yes	2.86	0.000	5.94	1.42	0.00	0.184	1.251	18.000	0.00	28.59
45.00	1 5/8" Fiber	Yes	2.86	0.000	0.00	0.00	0.00	0.184	1.251	18.000	0.00	3.78
45.00	Reinforcing plate	Yes	2.86	0.000	1.25	0.30	0.00	0.184	1.251	18.000	0.00	0.00
47.57	1 5/8" Coax	Yes	2.57	0.000	5.94	1.27	0.00	0.186	1.258	18.288	0.00	25.66
47.57	1 5/8" Fiber	Yes	2.57	0.000	0.00	0.00	0.00	0.186	1.258	18.288	0.00	3.39
47.57	Reinforcing plate	Yes	2.57	0.000	1.25	0.27	0.00	0.186	1.258	18.288	0.00	0.00
50.00	1 5/8" Coax	Yes	2.43	0.000	5.94	1.20	0.00	0.185	1.256	18.551	0.00	24.26
50.00	1 5/8" Fiber	Yes	2.43	0.000	0.00	0.00	0.00	0.185	1.256	18.551	0.00	3.21
50.00	Reinforcing plate	Yes	2.43	0.000	1.25	0.25	0.00	0.185	1.256	18.551	0.00	0.00
54.67	1 5/8" Coax	Yes	4.67	0.000	5.94	2.31	0.00	0.189	1.266	19.030	0.00	46.63
54.67	1 5/8" Fiber	Yes	4.67	0.000	0.00	0.00	0.00	0.189	1.266	19.030	0.00	6.16

Linear Appurtenance Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

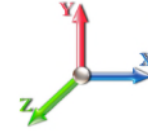


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Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
54.67	Reinforcing plate	Yes	4.67	0.000	1.25	0.49	0.00	0.189	1.266	19.030	0.00	0.00
55.00	1 5/8" Coax	Yes	0.33	0.000	5.94	0.16	0.00	0.191	1.274	19.063	0.00	3.29
55.00	1 5/8" Fiber	Yes	0.33	0.000	0.00	0.00	0.00	0.191	1.274	19.063	0.00	0.44
55.00	Reinforcing plate	Yes	0.33	0.000	1.25	0.03	0.00	0.191	1.274	19.063	0.00	0.00
60.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.194	1.282	19.543	0.00	49.92
60.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.194	1.282	19.543	0.00	6.60
60.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.194	1.282	19.543	0.00	0.00
65.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.199	1.298	19.995	0.00	49.92
65.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.199	1.298	19.995	0.00	6.60
65.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.199	1.298	19.995	0.00	0.00
70.00	1 5/8" Coax	Yes	5.00	0.847	5.94	2.48	2.10	0.205	0.000	20.422	75.31	49.92
70.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.205	0.000	20.422	0.00	6.60
70.00	Reinforcing plate	Yes	5.00	1.200	1.25	0.52	0.63	0.205	0.000	20.422	22.46	0.00
74.67	1 5/8" Coax	Yes	4.67	0.839	5.94	2.31	1.94	0.210	0.000	20.803	70.99	46.63
74.67	1 5/8" Fiber	Yes	4.67	0.000	0.00	0.00	0.00	0.210	0.000	20.803	0.00	6.16
74.67	Reinforcing plate	Yes	4.67	1.200	1.25	0.49	0.58	0.210	0.000	20.803	21.37	0.00
75.00	1 5/8" Coax	Yes	0.33	0.838	5.94	0.16	0.14	0.214	0.000	20.829	5.02	3.29
75.00	1 5/8" Fiber	Yes	0.33	0.000	0.00	0.00	0.00	0.214	0.000	20.829	0.00	0.44
75.00	Reinforcing plate	Yes	0.33	1.200	1.25	0.03	0.04	0.214	0.000	20.829	1.51	0.00
76.52	1 5/8" Coax	Yes	1.52	0.836	5.94	0.75	0.63	0.215	0.000	20.949	23.14	15.14
76.52	1 5/8" Fiber	Yes	1.52	0.000	0.00	0.00	0.00	0.215	0.000	20.949	0.00	2.00
76.52	Reinforcing plate	Yes	1.52	1.200	1.25	0.16	0.19	0.215	0.000	20.949	6.99	0.00
80.00	1 5/8" Coax	Yes	3.48	0.831	5.94	1.72	1.43	0.218	0.000	21.217	53.48	34.78
80.00	1 5/8" Fiber	Yes	3.48	0.000	0.00	0.00	0.00	0.218	0.000	21.217	0.00	4.60
80.00	Reinforcing plate	Yes	3.48	1.200	1.25	0.36	0.44	0.218	0.000	21.217	16.26	0.00
81.00	1 5/8" Coax	Yes	1.00	0.829	5.94	0.50	0.41	0.221	0.000	21.292	15.38	9.98
81.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.221	0.000	21.292	0.00	1.32
81.00	Reinforcing plate	Yes	1.00	1.200	1.25	0.10	0.13	0.221	0.000	21.292	4.68	0.00
81.19	1 5/8" Coax	Yes	0.19	0.829	5.94	0.09	0.08	0.222	0.000	21.306	2.87	1.86
81.19	1 5/8" Fiber	Yes	0.19	0.000	0.00	0.00	0.00	0.222	0.000	21.306	0.00	0.25
81.19	Reinforcing plate	Yes	0.19	1.200	1.25	0.02	0.02	0.222	0.000	21.306	0.87	0.00
85.00	1 5/8" Coax	Yes	3.81	0.823	5.94	1.89	1.55	0.221	0.000	21.587	59.05	38.07
85.00	1 5/8" Fiber	Yes	3.81	0.000	0.00	0.00	0.00	0.221	0.000	21.587	0.00	5.03
85.00	Reinforcing plate	Yes	3.81	1.200	1.25	0.40	0.48	0.221	0.000	21.587	18.11	0.00
86.00	1 5/8" Coax	Yes	1.00	0.822	5.94	0.50	0.41	0.224	0.000	21.660	15.51	9.98
86.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.224	0.000	21.660	0.00	1.32
86.00	Reinforcing plate	Yes	1.00	1.200	1.25	0.10	0.13	0.224	0.000	21.660	4.77	0.00
90.00	1 5/8" Coax	Yes	4.00	0.817	5.94	1.98	1.62	0.228	0.000	21.943	62.45	39.94
90.00	1 5/8" Fiber	Yes	4.00	0.000	0.00	0.00	0.00	0.228	0.000	21.943	0.00	5.28
90.00	Reinforcing plate	Yes	4.00	1.200	1.25	0.42	0.50	0.228	0.000	21.943	19.31	0.00
94.67	1 5/8" Coax	Yes	4.67	0.811	5.94	2.31	1.87	0.234	0.000	22.262	73.44	46.63
94.67	1 5/8" Fiber	Yes	4.67	0.000	0.00	0.00	0.00	0.234	0.000	22.262	0.00	6.16
94.67	Reinforcing plate	Yes	4.67	1.200	1.25	0.49	0.58	0.234	0.000	22.262	22.87	0.00
95.00	1 5/8" Coax	Yes	0.33	0.810	5.94	0.16	0.13	0.238	0.000	22.284	5.19	3.29
95.00	1 5/8" Fiber	Yes	0.33	0.000	0.00	0.00	0.00	0.238	0.000	22.284	0.00	0.44
95.00	Reinforcing plate	Yes	0.33	1.200	1.25	0.03	0.04	0.238	0.000	22.284	1.62	0.00
100.00	1 5/8" Coax	Yes	5.00	0.804	5.94	2.48	1.99	0.242	0.000	22.613	79.25	49.92

Linear Appurtenance Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 1.2D + 1.6W 97 mph Wind	Iterations 27
Dead Load Factor 1.20	
Wind Load Factor 1.60	

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
100.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.242	0.000	22.613	0.00	6.60
100.00	Reinforcing plate	Yes	5.00	1.200	1.25	0.52	0.63	0.242	0.000	22.613	24.87	0.00
102.00	1 5/8" Coax	Yes	2.00	0.802	5.94	0.99	0.79	0.282	0.000	22.742	31.79	19.97
102.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.282	0.000	22.742	0.00	2.64
102.00	Reinforcing plate	Yes	2.00	1.200	1.00	0.17	0.20	0.282	0.000	22.742	8.01	0.00
102.00	Reinforcing plate	Yes	2.00	1.200	1.25	0.21	0.25	0.282	0.000	22.742	10.01	0.00
102.67	1 5/8" Coax	Yes	0.67	0.801	5.94	0.33	0.27	0.285	0.000	22.784	10.66	6.69
102.67	1 5/8" Fiber	Yes	0.67	0.000	0.00	0.00	0.00	0.285	0.000	22.784	0.00	0.88
102.67	Reinforcing plate	Yes	0.67	1.200	1.00	0.06	0.07	0.285	0.000	22.784	2.69	0.00
102.67	Reinforcing plate	Yes	0.67	1.200	1.25	0.07	0.08	0.285	0.000	22.784	3.36	0.00
105.00	1 5/8" Coax	Yes	2.33	0.799	5.94	1.15	0.92	0.282	0.000	22.931	37.19	23.26
105.00	1 5/8" Fiber	Yes	2.33	0.000	0.00	0.00	0.00	0.282	0.000	22.931	0.00	3.08
105.00	Reinforcing plate	Yes	2.33	1.200	1.00	0.19	0.23	0.282	0.000	22.931	9.40	0.00
105.00	Reinforcing plate	Yes	2.03	1.200	1.25	0.21	0.25	0.282	0.000	22.931	10.24	0.00
110.00	1 5/8" Coax	Yes	5.00	0.794	5.94	2.48	1.96	0.250	0.000	23.238	80.33	49.92
110.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.250	0.000	23.238	0.00	6.60
110.00	Reinforcing plate	Yes	5.00	1.200	1.00	0.42	0.50	0.250	0.000	23.238	20.45	0.00
110.91	1 5/8" Coax	Yes	0.91	0.793	5.94	0.45	0.36	0.255	0.000	23.292	14.56	9.04
110.91	1 5/8" Fiber	Yes	0.91	0.000	0.00	0.00	0.00	0.255	0.000	23.292	0.00	1.19
110.91	Reinforcing plate	Yes	0.91	1.200	1.00	0.08	0.09	0.255	0.000	23.292	3.71	0.00
114.50	1 5/8" Coax	Yes	3.59	0.789	5.94	1.78	1.40	0.260	0.000	23.505	58.09	35.89
114.50	1 5/8" Fiber	Yes	3.59	0.000	0.00	0.00	0.00	0.260	0.000	23.505	0.00	4.75
114.50	Reinforcing plate	Yes	3.59	1.200	1.00	0.30	0.36	0.260	0.000	23.505	14.87	0.00
114.80	1 5/8" Coax	Yes	0.30	0.789	5.94	0.15	0.12	0.263	0.000	23.523	4.80	2.96
114.80	1 5/8" Fiber	Yes	0.30	0.000	0.00	0.00	0.00	0.263	0.000	23.523	0.00	0.39
114.80	Reinforcing plate	Yes	0.30	1.200	1.00	0.02	0.03	0.263	0.000	23.523	1.23	0.00
115.00	1 5/8" Coax	Yes	0.20	0.789	5.94	0.10	0.08	0.260	0.000	23.535	3.29	2.03
115.00	1 5/8" Fiber	Yes	0.20	0.000	0.00	0.00	0.00	0.260	0.000	23.535	0.00	0.27
115.00	Reinforcing plate	Yes	0.20	1.200	1.00	0.02	0.02	0.260	0.000	23.535	0.84	0.00
117.00	1 5/8" Coax	Yes	2.00	0.787	5.94	0.99	0.78	0.262	0.000	23.651	32.42	19.97
117.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.262	0.000	23.651	0.00	2.64
117.00	Reinforcing plate	Yes	2.00	1.200	1.00	0.17	0.20	0.262	0.000	23.651	8.33	0.00
118.00	1 5/8" Coax	Yes	1.00	0.786	5.94	0.50	0.39	0.265	0.000	23.708	16.23	9.98
118.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.265	0.000	23.708	0.00	1.32
118.00	Reinforcing plate	Yes	1.00	1.200	1.00	0.08	0.10	0.265	0.000	23.708	4.17	0.00
120.00	1 5/8" Coax	Yes	2.00	0.784	5.94	0.99	0.78	0.268	0.000	23.823	32.53	19.97
120.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.268	0.000	23.823	0.00	2.64
120.00	Reinforcing plate	Yes	2.00	1.200	1.00	0.17	0.20	0.268	0.000	23.823	8.39	0.00
125.00	1 5/8" Coax	Yes	5.00	0.779	5.94	2.48	1.93	0.236	0.000	24.102	81.81	49.92
125.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.236	0.000	24.102	0.00	6.60
130.00	1 5/8" Coax	Yes	5.00	0.775	5.94	2.48	1.92	0.245	0.000	24.374	82.27	49.92
130.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.245	0.000	24.374	0.00	6.60
135.00	1 5/8" Coax	Yes	5.00	0.771	5.94	2.48	1.91	0.256	0.000	24.638	82.72	49.92
135.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.256	0.000	24.638	0.00	6.60
137.00	1 5/8" Coax	Yes	2.00	0.769	5.94	0.99	0.76	0.263	0.000	24.742	33.16	19.97
137.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.263	0.000	24.742	0.00	2.64
140.00	1 5/8" Coax	Yes	3.00	0.767	5.94	1.49	1.14	0.269	0.000	24.895	49.89	29.95

Linear Appurtenance Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
140.00	1 5/8" Fiber	Yes	3.00	0.000	0.00	0.00	0.00	0.269	0.000	24.895	0.00	3.96
145.00	1 5/8" Coax	Yes	5.00	0.763	5.94	2.48	1.89	0.279	0.000	25.146	83.57	49.92
145.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.279	0.000	25.146	0.00	6.60
147.00	1 5/8" Coax	Yes	2.00	0.761	5.94	0.99	0.75	0.289	0.000	25.245	33.49	19.97
147.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.289	0.000	25.245	0.00	2.64
150.00	1 5/8" Coax	Yes	3.00	0.759	5.94	1.49	1.13	0.296	0.000	25.391	50.38	29.95
150.00	1 5/8" Fiber	Yes	3.00	0.000	0.00	0.00	0.00	0.296	0.000	25.391	0.00	3.96
155.00	1 5/8" Coax	Yes	5.00	0.756	5.94	2.48	1.87	0.466	0.000	25.630	84.37	49.92
155.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.466	0.000	25.630	0.00	6.60
158.00	1 5/8" Coax	Yes	3.00	0.754	5.94	1.49	1.12	0.466	0.000	25.771	50.76	29.95
158.00	1 5/8" Fiber	Yes	3.00	0.000	0.00	0.00	0.00	0.466	0.000	25.771	0.00	3.96
160.00	1 5/8" Coax	Yes	2.00	0.752	5.94	0.99	0.74	0.466	0.000	25.863	33.90	19.97
160.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.466	0.000	25.863	0.00	2.64
Totals:											1,800.7	1,808.6

Calculated Forces

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



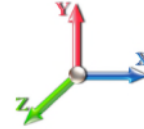
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Load Case: 1.2D + 1.6W 97 mph Wind

Iterations 27

Dead Load Factor 1.20

Wind Load Factor 1.60



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-38.76	-30.09	0.00	-3401.1	0.00	3401.18	3849.02	1924.51	7372.73	3691.85	0.00	0.000	0.000	0.684
5.00	-37.27	-29.82	0.00	-3250.7	0.00	3250.73	3795.37	1897.68	7118.03	3564.30	0.12	-0.228	0.000	0.673
10.00	-35.82	-29.55	0.00	-3101.6	0.00	3101.63	3740.61	1870.30	6865.59	3437.90	0.48	-0.459	0.000	0.662
15.00	-34.42	-29.22	0.00	-2953.9	0.00	2953.91	3684.74	1842.37	6615.55	3312.69	1.09	-0.692	0.000	0.650
16.67	-33.95	-29.12	0.00	-2905.1	0.00	2905.11	3665.83	1832.91	6532.59	3271.15	1.35	-0.771	0.000	0.483
18.50	-33.44	-29.01	0.00	-2851.8	0.00	2851.82	3644.97	1822.48	6442.01	3225.79	1.65	-0.837	0.000	0.608
20.00	-32.99	-28.97	0.00	-2808.3	0.00	2808.31	3627.76	1813.88	6368.03	3188.75	1.93	-0.905	0.000	0.604
25.00	-31.61	-28.67	0.00	-2663.4	0.00	2663.48	3569.68	1784.84	6123.18	3066.14	3.00	-1.130	0.000	0.591
30.00	-30.26	-28.37	0.00	-2520.1	0.00	2520.12	3510.49	1755.24	5881.13	2944.94	4.30	-1.356	0.000	0.577
34.67	-29.07	-28.02	0.00	-2387.6	0.00	2387.63	3454.20	1727.10	5657.69	2833.05	5.73	-1.569	0.000	0.572
35.00	-28.93	-28.06	0.00	-2378.3	0.00	2378.38	3450.19	1725.09	5642.00	2825.20	5.84	-1.584	0.000	0.571
40.00	-27.66	-27.69	0.00	-2238.1	0.00	2238.10	3388.79	1694.39	5405.94	2706.99	7.63	-1.816	0.000	0.556
42.14	-27.10	-27.55	0.00	-2178.9	0.00	2178.94	3362.21	1681.10	5306.03	2656.96	8.46	-1.917	0.000	0.549
45.00	-25.93	-27.32	0.00	-2100.0	0.00	2100.06	3326.27	1663.14	5173.07	2590.38	9.65	-2.051	0.000	0.534
47.57	-24.89	-27.12	0.00	-2029.8	0.00	2029.83	2638.80	1319.40	4131.44	2068.79	10.79	-2.171	0.000	0.566
50.00	-24.32	-26.96	0.00	-1963.9	0.00	1963.94	2616.75	1308.38	4046.02	2026.02	11.92	-2.285	0.000	0.603
54.67	-23.35	-26.57	0.00	-1838.0	0.00	1838.03	2573.65	1286.82	3883.14	1944.46	14.27	-2.517	0.000	0.603
55.00	-23.22	-26.59	0.00	-1829.2	0.00	1829.26	2570.56	1285.28	3871.70	1938.73	14.45	-2.535	0.000	0.601
60.00	-22.15	-26.20	0.00	-1696.3	0.00	1696.31	2523.27	1261.63	3699.46	1852.48	17.24	-2.791	0.000	0.577
65.00	-21.10	-25.80	0.00	-1565.3	0.00	1565.30	2474.87	1237.43	3529.43	1767.34	20.30	-3.044	0.000	0.552
70.00	-20.10	-25.11	0.00	-1436.3	0.00	1436.30	2425.36	1212.68	3361.74	1683.37	23.62	-3.295	0.000	0.525
74.67	-19.23	-24.42	0.00	-1319.0	0.00	1319.06	2378.12	1189.06	3207.34	1606.06	26.96	-3.525	0.000	0.510
75.00	-19.15	-24.38	0.00	-1311.0	0.00	1311.00	2374.74	1187.37	3196.52	1600.63	27.20	-3.543	0.000	0.508
76.52	-18.84	-24.19	0.00	-1274.0	0.00	1274.02	2359.17	1179.58	3146.91	1575.79	28.34	-3.620	0.000	0.499
80.00	-17.84	-23.66	0.00	-1189.7	0.00	1189.75	2323.02	1161.51	3033.91	1519.21	31.04	-3.793	0.000	0.474
81.00	-17.55	-23.50	0.00	-1166.1	0.00	1166.10	2312.54	1156.27	3001.71	1503.09	31.84	-3.842	0.000	0.382
81.19	-17.47	-23.50	0.00	-1161.7	0.00	1161.71	1750.09	875.04	2314.24	1158.84	31.99	-3.850	0.000	0.416
85.00	-16.89	-22.94	0.00	-1072.1	0.00	1072.10	1723.72	861.86	2226.75	1115.03	35.12	-3.999	0.000	0.426
86.00	-16.70	-22.82	0.00	-1049.1	0.00	1049.16	1716.70	858.35	2203.94	1103.61	35.97	-4.041	0.000	0.526
90.00	-16.06	-22.27	0.00	-957.88	0.00	957.88	1688.18	844.09	2113.26	1058.20	39.44	-4.245	0.000	0.495
94.67	-15.39	-21.60	0.00	-853.87	0.00	853.87	1653.98	826.99	2008.61	1005.80	43.70	-4.474	0.000	0.480
95.00	-15.29	-21.58	0.00	-846.74	0.00	846.74	1651.53	825.76	2001.27	1002.12	44.01	-4.492	0.000	0.477
100.00	-14.57	-20.87	0.00	-738.83	0.00	738.83	1613.77	806.88	1890.91	946.86	48.84	-4.736	0.000	0.434
102.00	-14.30	-20.58	0.00	-697.08	0.00	697.08	1598.36	799.18	1847.26	925.00	50.84	-4.832	0.000	0.281
102.67	-14.19	-20.50	0.00	-683.29	0.00	683.29	1593.15	796.58	1832.70	917.71	51.52	-4.853	0.000	0.400
105.00	-13.84	-20.19	0.00	-635.53	0.00	635.53	1574.90	787.45	1782.33	892.49	53.92	-4.958	0.000	0.380
110.00	-13.17	-19.49	0.00	-534.61	0.00	534.61	1534.93	767.47	1675.65	839.07	59.22	-5.167	0.000	0.334
110.91	-13.03	-19.38	0.00	-516.97	0.00	516.97	1527.58	763.79	1656.56	829.51	60.20	-5.204	0.000	0.325
114.50	-11.95	-18.39	0.00	-447.31	0.00	447.31	1498.01	749.01	1581.38	791.86	64.16	-5.340	0.000	0.287
114.80	-11.89	-18.35	0.00	-441.86	0.00	441.86	1034.66	517.33	1111.16	556.41	64.50	-5.351	0.000	0.319
115.00	-11.86	-18.33	0.00	-438.12	0.00	438.12	1033.71	516.86	1108.46	555.05	64.72	-5.359	0.000	0.354
117.00	-9.77	-14.79	0.00	-401.46	0.00	401.46	1024.27	512.13	1081.93	541.77	66.98	-5.438	0.000	0.328
118.00	-9.67	-14.66	0.00	-386.67	0.00	386.67	1019.48	509.74	1068.72	535.15	68.12	-5.476	0.000	0.318
118.00	-9.67	-14.66	0.00	-386.67	0.00	386.67	1019.48	509.74	1068.72	535.15	68.12	-5.476	0.000	0.318
120.00	-9.45	-14.42	0.00	-357.36	0.00	357.36	1009.78	504.89	1042.37	521.96	70.43	-5.549	0.000	0.695
125.00	-8.96	-13.82	0.00	-285.24	0.00	285.24	984.73	492.37	977.10	489.28	76.44	-5.933	0.000	0.593
130.00	-8.51	-13.22	0.00	-216.14	0.00	216.14	958.58	479.29	912.78	457.07	82.83	-6.270	0.000	0.483
135.00	-8.10	-12.61	0.00	-150.05	0.00	150.05	931.33	465.66	849.55	425.40	89.54	-6.548	0.000	0.362

Calculated Forces

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Page: 20
	Struct Class: II	



137.00	-4.95	-8.31	0.00	-124.82	0.00	124.82	920.11	460.06	824.58	412.91	92.30	-6.643	0.000	0.308
140.00	-4.77	-7.97	0.00	-99.88	0.00	99.88	902.96	451.48	787.53	394.35	96.51	-6.766	0.000	0.259
145.00	-4.50	-7.38	0.00	-60.05	0.00	60.05	873.49	436.75	726.86	363.97	103.67	-6.924	0.000	0.170
147.00	-2.20	-4.08	0.00	-45.29	0.00	45.29	861.39	430.70	703.00	352.02	106.57	-6.971	0.000	0.131
150.00	-2.06	-3.75	0.00	-33.04	0.00	33.04	842.91	421.46	667.67	334.33	110.96	-7.028	0.000	0.101
150.00	-2.06	-3.75	0.00	-33.04	0.00	33.04	656.05	328.03	328.13	215.42	110.96	-7.028	0.000	0.157
155.00	-1.75	-3.34	0.00	-14.30	0.00	14.30	656.05	328.03	328.13	215.42	118.34	-7.090	0.000	0.069
158.00	-1.52	-2.07	0.00	-4.29	0.00	4.29	656.05	328.03	328.13	215.42	122.80	-7.119	0.000	0.022
160.00	-0.11	-0.07	0.00	-0.14	0.00	0.14	656.05	328.03	328.13	215.42	125.77	-7.123	0.000	0.001
162.00	0.00	-0.06	0.00	0.00	0.00	0.00	656.05	328.03	328.13	215.42	128.75	-7.123	0.000	0.000

Wind Loading - Shaft

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 0.9D + 1.6W 97 mph Wind

Iterations 27

Dead Load Factor 0.90

Wind Load Factor 1.60



Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00	RB1	1.00	0.70	16.018	17.62	322.76	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	16.018	17.62	316.13	0.752 *	0.000	5.00	19.681	14.80	417.1	0.0	840.9
10.00		1.00	0.70	16.018	17.62	309.49	0.758 *	0.000	5.00	19.272	14.61	411.9	0.0	823.3
15.00		1.00	0.70	16.018	17.62	302.85	0.765 *	0.000	5.00	18.863	14.42	406.6	0.0	805.7
16.67	RB2	1.00	0.70	16.018	17.62	300.63	0.769 *	0.000	1.67	6.209	4.78	134.7	0.0	265.2
18.50	RT1	1.00	0.70	16.018	17.62	298.20	0.772 *	0.000	1.83	6.752	5.21	146.9	0.0	288.3
20.00		1.00	0.70	16.018	17.62	296.21	0.774 *	0.000	1.50	5.493	4.25	119.9	0.0	234.6
25.00		1.00	0.70	16.018	17.62	289.57	0.779 *	0.000	5.00	18.045	14.05	396.2	0.0	770.5
30.00		1.00	0.70	16.031	17.63	283.05	0.786 *	0.000	5.00	17.636	13.87	391.2	0.0	752.8
34.67	RT2 RB3	1.00	0.73	16.708	18.38	282.63	0.794 *	0.000	4.67	16.103	12.78	375.9	0.0	687.2
35.00		1.00	0.73	16.753	18.43	282.57	0.798 *	0.000	0.33	1.124	0.90	26.5	0.0	48.0
40.00		1.00	0.76	17.405	19.15	281.09	0.802 *	0.000	5.00	16.818	13.49	413.4	0.0	717.6
42.14	Bot - Section 2	1.00	0.77	17.665	19.43	280.21	0.808 *	0.000	2.14	7.062	5.71	177.5	0.0	301.3
45.00		1.00	0.79	18.000	19.80	278.82	0.813 *	0.000	2.86	9.498	7.72	244.6	0.0	736.9
47.57	Top - Section 1	1.00	0.80	18.288	20.12	277.40	0.818 *	0.000	2.57	8.411	6.88	221.4	0.0	652.4
50.00		1.00	0.81	18.551	20.41	280.52	0.817 *	0.000	2.43	7.853	6.41	209.4	0.0	279.6
54.67	RT3 RB4	1.00	0.83	19.030	20.93	277.37	0.823 *	0.000	4.67	14.822	12.20	408.6	0.0	527.6
55.00		1.00	0.83	19.063	20.97	277.13	0.828 *	0.000	0.33	1.034	0.86	28.7	0.0	36.8
60.00		1.00	0.85	19.543	21.50	273.26	0.833 *	0.000	5.00	15.446	12.87	442.7	0.0	549.7
65.00		1.00	0.87	19.995	21.99	268.99	0.843 *	0.000	5.00	15.037	12.68	446.4	0.0	535.0
70.00		1.00	0.89	20.422	22.46	264.36	1.200 *	0.000	5.00	14.628	17.55	631.0	0.0	520.4
74.67	RT4 RB5	1.00	0.91	20.803	22.88	259.74	1.200 *	0.000	4.67	13.294	15.95	584.1	0.0	472.8
75.00		1.00	0.91	20.829	22.91	259.40	1.200 *	0.000	0.33	0.926	1.11	40.7	0.0	32.9
76.52	Bot - Section 3	1.00	0.92	20.949	23.04	257.84	1.200 *	0.000	1.52	4.232	5.08	187.3	0.0	150.5
80.00		1.00	0.93	21.217	23.34	254.17	1.200 *	0.000	3.48	9.725	11.67	435.8	0.0	617.7
81.00	RB6	1.00	0.93	21.292	23.42	253.09	1.200 *	0.000	1.00	2.755	3.31	123.9	0.0	175.0
81.19	Top - Section 2	1.00	0.93	21.306	23.44	252.88	1.200 *	0.000	0.19	0.513	0.62	23.1	0.0	32.5
85.00		1.00	0.94	21.587	23.75	252.66	1.200 *	0.000	3.81	10.345	12.41	471.7	0.0	294.8
86.00	RT6	1.00	0.95	21.660	23.83	251.54	1.200 *	0.000	1.00	2.674	3.21	122.3	0.0	76.2
90.00		1.00	0.96	21.943	24.14	246.96	1.200 *	0.000	4.00	10.531	12.64	488.0	0.0	300.0
94.67	RT5 RB7	1.00	0.97	22.262	24.49	241.44	1.200 *	0.000	4.67	11.963	14.36	562.5	0.0	340.7
95.00		1.00	0.97	22.284	24.51	241.04	1.200 *	0.000	0.33	0.832	1.00	39.2	0.0	23.7
100.00		1.00	0.99	22.613	24.87	234.93	1.200 *	0.000	5.00	12.386	14.86	591.6	0.0	352.7
102.00	RB8	1.00	0.99	22.742	25.02	232.43	1.200 *	0.000	2.00	4.840	5.81	232.5	0.0	137.8
102.67	RT7	1.00	1.00	22.784	25.06	231.59	1.200 *	0.000	0.67	1.607	1.93	77.3	0.0	45.7
105.00		1.00	1.00	22.931	25.22	228.63	1.200 *	0.000	2.33	5.530	6.64	267.8	0.0	157.4
110.00		1.00	1.02	23.238	25.56	222.16	1.200 *	0.000	5.00	11.568	13.88	567.7	0.0	329.2
110.91	Bot - Section 4	1.00	1.02	23.292	25.62	220.97	1.200 *	0.000	0.91	2.050	2.46	100.9	0.0	58.3
114.50	Appurtenance(s)	1.00	1.03	23.505	25.86	216.20	1.200 *	0.000	3.59	8.126	9.75	403.4	0.0	401.7
114.80	Top - Section 3	1.00	1.03	23.523	25.88	215.80	1.200 *	0.000	0.30	0.661	0.79	32.8	0.0	32.7
115.00		1.00	1.03	23.535	25.89	218.65	1.200 *	0.000	0.20	0.452	0.54	22.5	0.0	9.7
117.00	Appurtenance(s)	1.00	1.03	23.651	26.02	215.96	1.200 *	0.000	2.00	4.413	5.30	220.4	0.0	94.4
118.00	RT8	1.00	1.04	23.708	26.08	214.61	1.200 *	0.000	1.00	2.182	2.62	109.2	0.0	46.6
120.00		1.00	1.04	23.823	26.20	211.89	1.200 *	0.000	2.00	4.314	5.18	217.1	0.0	92.2
125.00		1.00	1.05	24.102	26.51	204.98	1.200 *	0.000	5.00	10.500	12.60	534.5	0.0	224.4
130.00		1.00	1.07	24.374	26.81	197.94	1.200 *	0.000	5.00	10.091	12.11	519.4	0.0	215.6
135.00		1.00	1.08	24.638	27.10	190.78	1.200 *	0.000	5.00	9.682	11.62	503.8	0.0	206.8

Wind Loading - Shaft

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II
		Page: 22



137.00 Appurtenance(s)	1.00	1.08	24.742	27.22	187.88	1.200 *	0.000	2.00	3.758	4.51	196.4	0.0	80.3
140.00	1.00	1.09	24.895	27.38	183.50	1.200 *	0.000	3.00	5.515	6.62	290.0	0.0	117.7
145.00	1.00	1.10	25.146	27.66	176.10	1.200 *	0.000	5.00	8.864	10.64	470.7	0.0	189.2
147.00 Appurtenance(s)	1.00	1.10	25.245	27.77	173.11	1.200 *	0.000	2.00	3.431	4.12	182.9	0.0	73.2
150.00 Top - Section 4	1.00	1.11	25.391	27.93	168.60	1.200 *	0.000	3.00	5.024	6.03	269.4	0.0	107.2
155.00	1.00	1.12	25.630	28.19	109.07	1.200 *	0.000	5.00	5.313	6.38	287.6	0.0	223.2
158.00 Appurtenance(s)	1.00	1.13	25.771	28.35	109.37	1.200 *	0.000	3.00	3.188	3.82	173.5	0.0	133.9
160.00 Appurtenance(s)	1.00	1.13	25.863	28.45	109.57	1.200 *	0.000	2.00	2.125	2.55	116.1	0.0	89.3
162.00	1.00	1.13	25.955	28.55	109.76	0.600	0.000	2.00	2.125	1.27	58.2	0.0	89.3
Totals:								162.00			15,574.6		16,399.2

* CfA djusted byL inear Load RaE ffect

Discrete Appurtenance Forces

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

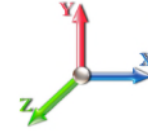


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Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 27

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor	x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	160.00	CommScope	3	25.863	28.450	0.56	0.75	14.34	540.00	0.000	0.000	652.92	0.00	0.00	
2	160.00	RFS	3	25.863	28.450	0.40	0.80	1.40	35.10	0.000	0.000	63.91	0.00	0.00	
3	160.00	RFS	3	25.863	28.450	0.40	0.80	1.40	33.75	0.000	0.000	63.91	0.00	0.00	
4	160.00	Ericsson S11 B2-RRU	3	25.863	28.450	0.40	0.80	3.40	135.00	0.000	0.000	154.58	0.00	0.00	
5	160.00	Ericsson S11B12-RRU	3	25.863	28.450	0.40	0.80	3.40	137.70	0.000	0.000	154.58	0.00	0.00	
6	160.00	Ericsson Air 21 B4A/B2P	3	25.863	28.450	0.69	0.80	12.57	244.08	0.000	0.000	572.17	0.00	0.00	
7	158.00	Commscope	3	25.771	28.348	0.64	0.80	22.02	134.46	0.000	0.000	998.85	0.00	0.00	
8	147.00	RFS APXVSP18-C-A20	3	25.245	27.769	0.66	0.80	15.98	153.90	0.000	0.000	709.82	0.00	0.00	
9	147.00	ALU 1900 MHz RRUs	3	25.245	27.769	0.40	0.80	3.32	162.00	0.000	0.000	147.69	0.00	0.00	
10	147.00	ALU 800 MHz RRUs	3	25.245	27.769	0.40	0.80	2.99	143.10	0.000	0.000	132.76	0.00	0.00	
11	147.00	Low Profile Platform	1	25.245	27.769	1.00	1.00	22.00	1080.00	0.000	0.000	977.48	0.00	0.00	
12	147.00	ALU TD-RRH8x20-25	3	25.245	27.769	0.40	0.80	4.86	189.00	0.000	0.000	215.93	0.00	0.00	
13	147.00	ALU 800 MHz Filters	4	25.245	27.769	0.40	0.80	1.25	31.68	0.000	0.000	55.45	0.00	0.00	
14	147.00	RFS ACU-A20-N RETs	4	25.245	27.769	0.40	0.80	0.22	3.60	0.000	0.000	9.95	0.00	0.00	
15	147.00	RFS APXVTM14-C-120	3	25.245	27.769	0.63	0.80	12.02	151.20	0.000	0.000	534.09	0.00	0.00	
16	137.00	MS-HRECP	1	24.742	27.216	1.00	1.00	12.25	462.60	0.000	0.000	533.43	0.00	0.00	
17	137.00	CBC78T-DS-43	3	24.742	27.216	0.38	0.75	0.42	28.08	0.000	0.000	18.13	0.00	0.00	
18	137.00	B5/B13 RRH-BR04C	3	24.742	27.216	0.50	0.75	2.82	189.81	0.000	0.000	122.76	0.00	0.00	
19	137.00	B2/B66A RRH-BR049	3	24.742	27.216	0.50	0.75	2.82	227.88	0.000	0.000	122.76	0.00	0.00	
20	137.00	MT6407-77A	3	24.742	27.216	0.52	0.75	7.39	214.38	0.000	0.000	321.66	0.00	0.00	
21	137.00	JAHH-65B-R3B	6	24.742	27.216	0.62	0.75	34.03	341.82	0.000	0.000	1481.67	0.00	0.00	
22	137.00	Low Profile Platform	1	24.742	27.216	1.00	1.00	22.00	1080.00	0.000	0.000	958.00	0.00	0.00	
23	137.00	DB-C1-12C-24AB-0Z	1	24.742	27.216	0.75	0.75	3.04	28.80	0.000	0.000	132.60	0.00	0.00	
24	117.00	Kathrein 800-10121	3	23.651	26.016	0.63	0.80	9.76	119.07	0.000	0.000	406.45	0.00	0.00	
25	117.00	Low Profile Platform	1	23.651	26.016	1.00	1.00	22.00	1080.00	0.000	0.000	915.76	0.00	0.00	
26	117.00	KMW AM-X-CD-16-6500T	2	23.651	26.016	0.65	0.80	7.84	59.40	0.000	0.000	326.38	0.00	0.00	
27	117.00	Andrew SBNH-1D6565C	4	23.651	26.016	0.64	0.80	29.36	237.96	0.000	0.000	1222.26	0.00	0.00	
28	117.00	CSS DBC-750	3	23.651	26.016	0.40	0.80	0.61	12.96	0.000	0.000	25.47	0.00	0.00	
29	117.00	CCI DTMAPB7819VG12A	6	23.651	26.016	0.54	0.80	3.67	103.68	0.000	0.000	152.61	0.00	0.00	
30	117.00	Powerwave LGP 13519	3	23.651	26.016	0.40	0.80	0.41	14.31	0.000	0.000	16.98	0.00	0.00	
31	117.00	Kathrein 860 10025 RET	6	23.651	26.016	0.40	0.80	0.43	6.48	0.000	0.000	17.98	0.00	0.00	
32	114.50	Ericsson RRUS 11	6	23.505	25.856	0.54	0.80	8.10	273.78	0.000	0.000	335.27	0.00	0.00	
33	114.50	Raycap DC6-48-60-18-8F	3	23.505	25.856	0.54	0.80	2.03	54.00	0.000	0.000	83.82	0.00	0.00	
Totals:									7,709.58						
											12,638.06				

Total Applied Force Summary

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 27

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		417.14	1024.59	0.00	0.00
10.00		411.89	1006.97	0.00	0.00
15.00		406.65	989.35	0.00	0.00
16.67		134.65	326.52	0.00	0.00
18.50		146.88	355.55	0.00	0.00
20.00		119.87	289.67	0.00	0.00
25.00		396.16	954.12	0.00	0.00
30.00		391.24	936.50	0.00	0.00
34.67		375.90	858.78	0.00	0.00
35.00		26.45	60.10	0.00	0.00
40.00		413.36	901.27	0.00	0.00
42.14		177.52	379.77	0.00	0.00
45.00		244.62	842.12	0.00	0.00
47.57		221.42	746.83	0.00	0.00
50.00		209.36	368.86	0.00	0.00
54.67		408.62	699.14	0.00	0.00
55.00		28.72	48.92	0.00	0.00
60.00		442.66	733.38	0.00	0.00
65.00		446.35	718.70	0.00	0.00
70.00		728.73	704.02	0.00	0.00
74.67		676.43	644.29	0.00	0.00
75.00		47.26	45.04	0.00	0.00
76.52		217.38	206.20	0.00	0.00
80.00		505.53	745.63	0.00	0.00
81.00		143.97	211.69	0.00	0.00
81.19		26.81	39.40	0.00	0.00
85.00		548.83	434.83	0.00	0.00
86.00		142.58	112.90	0.00	0.00
90.00		569.78	446.90	0.00	0.00
94.67		658.80	512.24	0.00	0.00
95.00		45.96	35.81	0.00	0.00
100.00		695.67	536.31	0.00	0.00
102.00		282.26	211.23	0.00	0.00
102.67		94.02	70.34	0.00	0.00
105.00		324.67	242.99	0.00	0.00
110.00		668.52	512.82	0.00	0.00
110.91		119.12	91.56	0.00	0.00
114.50	(9) attachments	895.43	861.49	0.00	0.00
114.80		38.87	43.57	0.00	0.00
115.00		26.61	17.14	0.00	0.00
117.00	(28) attachments	3345.05	1801.68	0.00	0.00
118.00		129.65	71.06	0.00	0.00
120.00		257.99	141.06	0.00	0.00
125.00		616.29	346.48	0.00	0.00
130.00		601.72	337.67	0.00	0.00
135.00		586.51	328.87	0.00	0.00

Total Applied Force Summary

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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137.00	(21) attachments	3920.52	2702.45	0.00	0.00
140.00		339.84	150.91	0.00	0.00
145.00		554.31	244.47	0.00	0.00
147.00	(24) attachments	2999.58	2009.80	0.00	0.00
150.00		319.79	132.61	0.00	0.00
155.00		371.93	265.63	0.00	0.00
158.00	(3) attachments	1223.10	293.84	0.00	0.00
160.00	(18) attachments	1812.05	1231.88	0.00	0.00
162.00		58.24	89.30	0.00	0.00
	Totals:	30,013.28	29,115.22	0.00	0.00

Linear Appurtenance Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 0.9D + 1.6W 97 mph Wind

Iterations 27

Dead Load Factor 0.90

Wind Load Factor 1.60



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.152	1.157	16.018	0.00	37.44
5.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.152	1.157	16.018	0.00	4.95
5.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.152	1.157	16.018	0.00	0.00
10.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.155	1.166	16.018	0.00	37.44
10.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.155	1.166	16.018	0.00	4.95
10.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.155	1.166	16.018	0.00	0.00
15.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.159	1.176	16.018	0.00	37.44
15.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.159	1.176	16.018	0.00	4.95
15.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.159	1.176	16.018	0.00	0.00
16.67	1 5/8" Coax	Yes	1.67	0.000	5.94	0.83	0.00	0.161	1.183	16.018	0.00	12.50
16.67	1 5/8" Fiber	Yes	1.67	0.000	0.00	0.00	0.00	0.161	1.183	16.018	0.00	1.65
16.67	Reinforcing plate	Yes	1.67	0.000	1.25	0.17	0.00	0.161	1.183	16.018	0.00	0.00
18.50	1 5/8" Coax	Yes	1.83	0.000	5.94	0.91	0.00	0.162	1.187	16.018	0.00	13.70
18.50	1 5/8" Fiber	Yes	1.83	0.000	0.00	0.00	0.00	0.162	1.187	16.018	0.00	1.81
18.50	Reinforcing plate	Yes	1.83	0.000	1.25	0.19	0.00	0.162	1.187	16.018	0.00	0.00
20.00	1 5/8" Coax	Yes	1.50	0.000	5.94	0.74	0.00	0.164	1.191	16.018	0.00	11.23
20.00	1 5/8" Fiber	Yes	1.50	0.000	0.00	0.00	0.00	0.164	1.191	16.018	0.00	1.49
20.00	Reinforcing plate	Yes	1.50	0.000	1.25	0.16	0.00	0.164	1.191	16.018	0.00	0.00
25.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.166	1.198	16.018	0.00	37.44
25.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.166	1.198	16.018	0.00	4.95
25.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.166	1.198	16.018	0.00	0.00
30.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.170	1.210	16.031	0.00	37.44
30.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.170	1.210	16.031	0.00	4.95
30.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.170	1.210	16.031	0.00	0.00
34.67	1 5/8" Coax	Yes	4.67	0.000	5.94	2.31	0.00	0.174	1.221	16.708	0.00	34.97
34.67	1 5/8" Fiber	Yes	4.67	0.000	0.00	0.00	0.00	0.174	1.221	16.708	0.00	4.62
34.67	Reinforcing plate	Yes	4.67	0.000	1.25	0.49	0.00	0.174	1.221	16.708	0.00	0.00
35.00	1 5/8" Coax	Yes	0.33	0.000	5.94	0.16	0.00	0.176	1.228	16.753	0.00	2.47
35.00	1 5/8" Fiber	Yes	0.33	0.000	0.00	0.00	0.00	0.176	1.228	16.753	0.00	0.33
35.00	Reinforcing plate	Yes	0.33	0.000	1.25	0.03	0.00	0.176	1.228	16.753	0.00	0.00
40.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.178	1.234	17.405	0.00	37.44
40.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.178	1.234	17.405	0.00	4.95
40.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.178	1.234	17.405	0.00	0.00
42.14	1 5/8" Coax	Yes	2.14	0.000	5.94	1.06	0.00	0.181	1.244	17.665	0.00	16.00
42.14	1 5/8" Fiber	Yes	2.14	0.000	0.00	0.00	0.00	0.181	1.244	17.665	0.00	2.12
42.14	Reinforcing plate	Yes	2.14	0.000	1.25	0.22	0.00	0.181	1.244	17.665	0.00	0.00
45.00	1 5/8" Coax	Yes	2.86	0.000	5.94	1.42	0.00	0.184	1.251	18.000	0.00	21.44
45.00	1 5/8" Fiber	Yes	2.86	0.000	0.00	0.00	0.00	0.184	1.251	18.000	0.00	2.83
45.00	Reinforcing plate	Yes	2.86	0.000	1.25	0.30	0.00	0.184	1.251	18.000	0.00	0.00
47.57	1 5/8" Coax	Yes	2.57	0.000	5.94	1.27	0.00	0.186	1.258	18.288	0.00	19.24
47.57	1 5/8" Fiber	Yes	2.57	0.000	0.00	0.00	0.00	0.186	1.258	18.288	0.00	2.54
47.57	Reinforcing plate	Yes	2.57	0.000	1.25	0.27	0.00	0.186	1.258	18.288	0.00	0.00
50.00	1 5/8" Coax	Yes	2.43	0.000	5.94	1.20	0.00	0.185	1.256	18.551	0.00	18.20
50.00	1 5/8" Fiber	Yes	2.43	0.000	0.00	0.00	0.00	0.185	1.256	18.551	0.00	2.41
50.00	Reinforcing plate	Yes	2.43	0.000	1.25	0.25	0.00	0.185	1.256	18.551	0.00	0.00
54.67	1 5/8" Coax	Yes	4.67	0.000	5.94	2.31	0.00	0.189	1.266	19.030	0.00	34.97
54.67	1 5/8" Fiber	Yes	4.67	0.000	0.00	0.00	0.00	0.189	1.266	19.030	0.00	4.62

Linear Appurtenance Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 0.9D + 1.6W 97 mph Wind	Iterations 27
Dead Load Factor 0.90	
Wind Load Factor 1.60	

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
54.67	Reinforcing plate	Yes	4.67	0.000	1.25	0.49	0.00	0.189	1.266	19.030	0.00	0.00
55.00	1 5/8" Coax	Yes	0.33	0.000	5.94	0.16	0.00	0.191	1.274	19.063	0.00	2.47
55.00	1 5/8" Fiber	Yes	0.33	0.000	0.00	0.00	0.00	0.191	1.274	19.063	0.00	0.33
55.00	Reinforcing plate	Yes	0.33	0.000	1.25	0.03	0.00	0.191	1.274	19.063	0.00	0.00
60.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.194	1.282	19.543	0.00	37.44
60.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.194	1.282	19.543	0.00	4.95
60.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.194	1.282	19.543	0.00	0.00
65.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.199	1.298	19.995	0.00	37.44
65.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.199	1.298	19.995	0.00	4.95
65.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.199	1.298	19.995	0.00	0.00
70.00	1 5/8" Coax	Yes	5.00	0.847	5.94	2.48	2.10	0.205	0.000	20.422	75.31	37.44
70.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.205	0.000	20.422	0.00	4.95
70.00	Reinforcing plate	Yes	5.00	1.200	1.25	0.52	0.63	0.205	0.000	20.422	22.46	0.00
74.67	1 5/8" Coax	Yes	4.67	0.839	5.94	2.31	1.94	0.210	0.000	20.803	70.99	34.97
74.67	1 5/8" Fiber	Yes	4.67	0.000	0.00	0.00	0.00	0.210	0.000	20.803	0.00	4.62
74.67	Reinforcing plate	Yes	4.67	1.200	1.25	0.49	0.58	0.210	0.000	20.803	21.37	0.00
75.00	1 5/8" Coax	Yes	0.33	0.838	5.94	0.16	0.14	0.214	0.000	20.829	5.02	2.47
75.00	1 5/8" Fiber	Yes	0.33	0.000	0.00	0.00	0.00	0.214	0.000	20.829	0.00	0.33
75.00	Reinforcing plate	Yes	0.33	1.200	1.25	0.03	0.04	0.214	0.000	20.829	1.51	0.00
76.52	1 5/8" Coax	Yes	1.52	0.836	5.94	0.75	0.63	0.215	0.000	20.949	23.14	11.36
76.52	1 5/8" Fiber	Yes	1.52	0.000	0.00	0.00	0.00	0.215	0.000	20.949	0.00	1.50
76.52	Reinforcing plate	Yes	1.52	1.200	1.25	0.16	0.19	0.215	0.000	20.949	6.99	0.00
80.00	1 5/8" Coax	Yes	3.48	0.831	5.94	1.72	1.43	0.218	0.000	21.217	53.48	26.08
80.00	1 5/8" Fiber	Yes	3.48	0.000	0.00	0.00	0.00	0.218	0.000	21.217	0.00	3.45
80.00	Reinforcing plate	Yes	3.48	1.200	1.25	0.36	0.44	0.218	0.000	21.217	16.26	0.00
81.00	1 5/8" Coax	Yes	1.00	0.829	5.94	0.50	0.41	0.221	0.000	21.292	15.38	7.49
81.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.221	0.000	21.292	0.00	0.99
81.00	Reinforcing plate	Yes	1.00	1.200	1.25	0.10	0.13	0.221	0.000	21.292	4.68	0.00
81.19	1 5/8" Coax	Yes	0.19	0.829	5.94	0.09	0.08	0.222	0.000	21.306	2.87	1.40
81.19	1 5/8" Fiber	Yes	0.19	0.000	0.00	0.00	0.00	0.222	0.000	21.306	0.00	0.18
81.19	Reinforcing plate	Yes	0.19	1.200	1.25	0.02	0.02	0.222	0.000	21.306	0.87	0.00
85.00	1 5/8" Coax	Yes	3.81	0.823	5.94	1.89	1.55	0.221	0.000	21.587	59.05	28.55
85.00	1 5/8" Fiber	Yes	3.81	0.000	0.00	0.00	0.00	0.221	0.000	21.587	0.00	3.78
85.00	Reinforcing plate	Yes	3.81	1.200	1.25	0.40	0.48	0.221	0.000	21.587	18.11	0.00
86.00	1 5/8" Coax	Yes	1.00	0.822	5.94	0.50	0.41	0.224	0.000	21.660	15.51	7.49
86.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.224	0.000	21.660	0.00	0.99
86.00	Reinforcing plate	Yes	1.00	1.200	1.25	0.10	0.13	0.224	0.000	21.660	4.77	0.00
90.00	1 5/8" Coax	Yes	4.00	0.817	5.94	1.98	1.62	0.228	0.000	21.943	62.45	29.95
90.00	1 5/8" Fiber	Yes	4.00	0.000	0.00	0.00	0.00	0.228	0.000	21.943	0.00	3.96
90.00	Reinforcing plate	Yes	4.00	1.200	1.25	0.42	0.50	0.228	0.000	21.943	19.31	0.00
94.67	1 5/8" Coax	Yes	4.67	0.811	5.94	2.31	1.87	0.234	0.000	22.262	73.44	34.97
94.67	1 5/8" Fiber	Yes	4.67	0.000	0.00	0.00	0.00	0.234	0.000	22.262	0.00	4.62
94.67	Reinforcing plate	Yes	4.67	1.200	1.25	0.49	0.58	0.234	0.000	22.262	22.87	0.00
95.00	1 5/8" Coax	Yes	0.33	0.810	5.94	0.16	0.13	0.238	0.000	22.284	5.19	2.47
95.00	1 5/8" Fiber	Yes	0.33	0.000	0.00	0.00	0.00	0.238	0.000	22.284	0.00	0.33
95.00	Reinforcing plate	Yes	0.33	1.200	1.25	0.03	0.04	0.238	0.000	22.284	1.62	0.00
100.00	1 5/8" Coax	Yes	5.00	0.804	5.94	2.48	1.99	0.242	0.000	22.613	79.25	37.44

Linear Appurtenance Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
100.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.242	0.000	22.613	0.00	4.95
100.00	Reinforcing plate	Yes	5.00	1.200	1.25	0.52	0.63	0.242	0.000	22.613	24.87	0.00
102.00	1 5/8" Coax	Yes	2.00	0.802	5.94	0.99	0.79	0.282	0.000	22.742	31.79	14.98
102.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.282	0.000	22.742	0.00	1.98
102.00	Reinforcing plate	Yes	2.00	1.200	1.00	0.17	0.20	0.282	0.000	22.742	8.01	0.00
102.00	Reinforcing plate	Yes	2.00	1.200	1.25	0.21	0.25	0.282	0.000	22.742	10.01	0.00
102.67	1 5/8" Coax	Yes	0.67	0.801	5.94	0.33	0.27	0.285	0.000	22.784	10.66	5.02
102.67	1 5/8" Fiber	Yes	0.67	0.000	0.00	0.00	0.00	0.285	0.000	22.784	0.00	0.66
102.67	Reinforcing plate	Yes	0.67	1.200	1.00	0.06	0.07	0.285	0.000	22.784	2.69	0.00
102.67	Reinforcing plate	Yes	0.67	1.200	1.25	0.07	0.08	0.285	0.000	22.784	3.36	0.00
105.00	1 5/8" Coax	Yes	2.33	0.799	5.94	1.15	0.92	0.282	0.000	22.931	37.19	17.45
105.00	1 5/8" Fiber	Yes	2.33	0.000	0.00	0.00	0.00	0.282	0.000	22.931	0.00	2.31
105.00	Reinforcing plate	Yes	2.33	1.200	1.00	0.19	0.23	0.282	0.000	22.931	9.40	0.00
105.00	Reinforcing plate	Yes	2.03	1.200	1.25	0.21	0.25	0.282	0.000	22.931	10.24	0.00
110.00	1 5/8" Coax	Yes	5.00	0.794	5.94	2.48	1.96	0.250	0.000	23.238	80.33	37.44
110.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.250	0.000	23.238	0.00	4.95
110.00	Reinforcing plate	Yes	5.00	1.200	1.00	0.42	0.50	0.250	0.000	23.238	20.45	0.00
110.91	1 5/8" Coax	Yes	0.91	0.793	5.94	0.45	0.36	0.255	0.000	23.292	14.56	6.78
110.91	1 5/8" Fiber	Yes	0.91	0.000	0.00	0.00	0.00	0.255	0.000	23.292	0.00	0.90
110.91	Reinforcing plate	Yes	0.91	1.200	1.00	0.08	0.09	0.255	0.000	23.292	3.71	0.00
114.50	1 5/8" Coax	Yes	3.59	0.789	5.94	1.78	1.40	0.260	0.000	23.505	58.09	26.92
114.50	1 5/8" Fiber	Yes	3.59	0.000	0.00	0.00	0.00	0.260	0.000	23.505	0.00	3.56
114.50	Reinforcing plate	Yes	3.59	1.200	1.00	0.30	0.36	0.260	0.000	23.505	14.87	0.00
114.80	1 5/8" Coax	Yes	0.30	0.789	5.94	0.15	0.12	0.263	0.000	23.523	4.80	2.22
114.80	1 5/8" Fiber	Yes	0.30	0.000	0.00	0.00	0.00	0.263	0.000	23.523	0.00	0.29
114.80	Reinforcing plate	Yes	0.30	1.200	1.00	0.02	0.03	0.263	0.000	23.523	1.23	0.00
115.00	1 5/8" Coax	Yes	0.20	0.789	5.94	0.10	0.08	0.260	0.000	23.535	3.29	1.52
115.00	1 5/8" Fiber	Yes	0.20	0.000	0.00	0.00	0.00	0.260	0.000	23.535	0.00	0.20
115.00	Reinforcing plate	Yes	0.20	1.200	1.00	0.02	0.02	0.260	0.000	23.535	0.84	0.00
117.00	1 5/8" Coax	Yes	2.00	0.787	5.94	0.99	0.78	0.262	0.000	23.651	32.42	14.98
117.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.262	0.000	23.651	0.00	1.98
117.00	Reinforcing plate	Yes	2.00	1.200	1.00	0.17	0.20	0.262	0.000	23.651	8.33	0.00
118.00	1 5/8" Coax	Yes	1.00	0.786	5.94	0.50	0.39	0.265	0.000	23.708	16.23	7.49
118.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.265	0.000	23.708	0.00	0.99
118.00	Reinforcing plate	Yes	1.00	1.200	1.00	0.08	0.10	0.265	0.000	23.708	4.17	0.00
120.00	1 5/8" Coax	Yes	2.00	0.784	5.94	0.99	0.78	0.268	0.000	23.823	32.53	14.98
120.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.268	0.000	23.823	0.00	1.98
120.00	Reinforcing plate	Yes	2.00	1.200	1.00	0.17	0.20	0.268	0.000	23.823	8.39	0.00
125.00	1 5/8" Coax	Yes	5.00	0.779	5.94	2.48	1.93	0.236	0.000	24.102	81.81	37.44
125.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.236	0.000	24.102	0.00	4.95
130.00	1 5/8" Coax	Yes	5.00	0.775	5.94	2.48	1.92	0.245	0.000	24.374	82.27	37.44
130.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.245	0.000	24.374	0.00	4.95
135.00	1 5/8" Coax	Yes	5.00	0.771	5.94	2.48	1.91	0.256	0.000	24.638	82.72	37.44
135.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.256	0.000	24.638	0.00	4.95
137.00	1 5/8" Coax	Yes	2.00	0.769	5.94	0.99	0.76	0.263	0.000	24.742	33.16	14.98
137.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.263	0.000	24.742	0.00	1.98
140.00	1 5/8" Coax	Yes	3.00	0.767	5.94	1.49	1.14	0.269	0.000	24.895	49.89	22.46

Linear Appurtenance Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
140.00	1 5/8" Fiber	Yes	3.00	0.000	0.00	0.00	0.00	0.269	0.000	24.895	0.00	2.97
145.00	1 5/8" Coax	Yes	5.00	0.763	5.94	2.48	1.89	0.279	0.000	25.146	83.57	37.44
145.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.279	0.000	25.146	0.00	4.95
147.00	1 5/8" Coax	Yes	2.00	0.761	5.94	0.99	0.75	0.289	0.000	25.245	33.49	14.98
147.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.289	0.000	25.245	0.00	1.98
150.00	1 5/8" Coax	Yes	3.00	0.759	5.94	1.49	1.13	0.296	0.000	25.391	50.38	22.46
150.00	1 5/8" Fiber	Yes	3.00	0.000	0.00	0.00	0.00	0.296	0.000	25.391	0.00	2.97
155.00	1 5/8" Coax	Yes	5.00	0.756	5.94	2.48	1.87	0.466	0.000	25.630	84.37	37.44
155.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.466	0.000	25.630	0.00	4.95
158.00	1 5/8" Coax	Yes	3.00	0.754	5.94	1.49	1.12	0.466	0.000	25.771	50.76	22.46
158.00	1 5/8" Fiber	Yes	3.00	0.000	0.00	0.00	0.00	0.466	0.000	25.771	0.00	2.97
160.00	1 5/8" Coax	Yes	2.00	0.752	5.94	0.99	0.74	0.466	0.000	25.863	33.90	14.98
160.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.466	0.000	25.863	0.00	1.98
Totals:											1,800.7	1,356.5

Calculated Forces

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

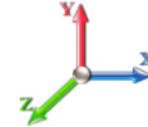


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Load Case: 0.9D + 1.6W 97 mph Wind

Iterations 27

Dead Load Factor 0.90
Wind Load Factor 1.60



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-29.05	-30.07	0.00	-3362.5	0.00	3362.58	3849.02	1924.51	7372.73	3691.85	0.00	0.000	0.000	0.675
5.00	-27.91	-29.76	0.00	-3212.2	0.00	3212.23	3795.37	1897.68	7118.03	3564.30	0.12	-0.225	0.000	0.664
10.00	-26.79	-29.45	0.00	-3063.4	0.00	3063.43	3740.61	1870.30	6865.59	3437.90	0.48	-0.453	0.000	0.652
15.00	-25.73	-29.10	0.00	-2916.1	0.00	2916.17	3684.74	1842.37	6615.55	3312.69	1.08	-0.683	0.000	0.640
16.67	-25.37	-29.00	0.00	-2867.5	0.00	2867.57	3665.83	1832.91	6532.59	3271.15	1.33	-0.762	0.000	0.476
18.50	-24.98	-28.87	0.00	-2814.5	0.00	2814.51	3644.97	1822.48	6442.01	3225.79	1.63	-0.827	0.000	0.598
20.00	-24.62	-28.81	0.00	-2771.1	0.00	2771.19	3627.76	1813.88	6368.03	3188.75	1.90	-0.894	0.000	0.594
25.00	-23.56	-28.49	0.00	-2627.1	0.00	2627.13	3569.68	1784.84	6123.18	3066.14	2.96	-1.116	0.000	0.581
30.00	-22.53	-28.17	0.00	-2484.6	0.00	2484.68	3510.49	1755.24	5881.13	2944.94	4.25	-1.339	0.000	0.568
34.67	-21.63	-27.81	0.00	-2353.1	0.00	2353.15	3454.20	1727.10	5657.69	2833.05	5.66	-1.548	0.000	0.562
35.00	-21.51	-27.83	0.00	-2343.9	0.00	2343.97	3450.19	1725.09	5642.00	2825.20	5.77	-1.564	0.000	0.561
40.00	-20.54	-27.45	0.00	-2204.8	0.00	2204.84	3388.79	1694.39	5405.94	2706.99	7.53	-1.792	0.000	0.546
42.14	-20.11	-27.30	0.00	-2146.1	0.00	2146.19	3362.21	1681.10	5306.03	2656.96	8.35	-1.891	0.000	0.539
45.00	-19.22	-27.07	0.00	-2068.0	0.00	2068.03	3326.27	1663.14	5173.07	2590.38	9.53	-2.024	0.000	0.525
47.57	-18.43	-26.86	0.00	-1998.4	0.00	1998.47	2638.80	1319.40	4131.44	2068.79	10.65	-2.142	0.000	0.556
50.00	-17.99	-26.69	0.00	-1933.2	0.00	1933.21	2616.75	1308.38	4046.02	2026.02	11.77	-2.254	0.000	0.592
54.67	-17.25	-26.29	0.00	-1808.5	0.00	1808.59	2573.65	1286.82	3883.14	1944.46	14.09	-2.483	0.000	0.592
55.00	-17.14	-26.30	0.00	-1799.9	0.00	1799.91	2570.56	1285.28	3871.70	1938.73	14.26	-2.500	0.000	0.590
60.00	-16.31	-25.89	0.00	-1668.4	0.00	1668.44	2523.27	1261.63	3699.46	1852.48	17.01	-2.751	0.000	0.566
65.00	-15.51	-25.48	0.00	-1538.9	0.00	1538.98	2474.87	1237.43	3529.43	1767.34	20.03	-3.001	0.000	0.541
70.00	-14.74	-24.77	0.00	-1411.6	0.00	1411.60	2425.36	1212.68	3361.74	1683.37	23.30	-3.247	0.000	0.515
74.67	-14.09	-24.09	0.00	-1295.9	0.00	1295.92	2378.12	1189.06	3207.34	1606.06	26.59	-3.474	0.000	0.500
75.00	-14.03	-24.05	0.00	-1287.9	0.00	1287.97	2374.74	1187.37	3196.52	1600.63	26.83	-3.491	0.000	0.498
76.52	-13.78	-23.85	0.00	-1251.5	0.00	1251.50	2359.17	1179.58	3146.91	1575.79	27.95	-3.566	0.000	0.489
80.00	-13.03	-23.32	0.00	-1168.4	0.00	1168.42	2323.02	1161.51	3033.91	1519.21	30.61	-3.736	0.000	0.464
81.00	-12.81	-23.17	0.00	-1145.1	0.00	1145.10	2312.54	1156.27	3001.71	1503.09	31.40	-3.785	0.000	0.374
81.19	-12.74	-23.16	0.00	-1140.7	0.00	1140.77	1750.09	875.04	2314.24	1158.84	31.55	-3.793	0.000	0.407
85.00	-12.31	-22.60	0.00	-1052.4	0.00	1052.46	1723.72	861.86	2226.75	1115.03	34.64	-3.939	0.000	0.417
86.00	-12.16	-22.48	0.00	-1029.8	0.00	1029.86	1716.70	858.35	2203.94	1103.61	35.47	-3.980	0.000	0.515
90.00	-11.67	-21.92	0.00	-939.94	0.00	939.94	1688.18	844.09	2113.26	1058.20	38.88	-4.181	0.000	0.484
94.67	-11.17	-21.25	0.00	-837.57	0.00	837.57	1653.98	826.99	2008.61	1005.80	43.08	-4.405	0.000	0.469
95.00	-11.09	-21.23	0.00	-830.56	0.00	830.56	1651.53	825.76	2001.27	1002.12	43.39	-4.422	0.000	0.467
100.00	-10.55	-20.52	0.00	-724.43	0.00	724.43	1613.77	806.88	1890.91	946.86	48.14	-4.662	0.000	0.424
102.00	-10.34	-20.23	0.00	-683.39	0.00	683.39	1598.36	799.18	1847.26	925.00	50.12	-4.756	0.000	0.275
102.67	-10.26	-20.14	0.00	-669.83	0.00	669.83	1593.15	796.58	1832.70	917.71	50.78	-4.777	0.000	0.391
105.00	-9.99	-19.83	0.00	-622.89	0.00	622.89	1574.90	787.45	1782.33	892.49	53.14	-4.880	0.000	0.371
110.00	-9.50	-19.14	0.00	-523.76	0.00	523.76	1534.93	767.47	1675.65	839.07	58.35	-5.084	0.000	0.326
110.91	-9.39	-19.02	0.00	-506.44	0.00	506.44	1527.58	763.79	1656.56	829.51	59.32	-5.120	0.000	0.318
114.50	-8.59	-18.06	0.00	-438.05	0.00	438.05	1498.01	749.01	1581.38	791.86	63.22	-5.254	0.000	0.280
114.80	-8.55	-18.02	0.00	-432.69	0.00	432.69	1034.66	517.33	1111.16	556.41	63.55	-5.265	0.000	0.311
115.00	-8.52	-18.00	0.00	-429.02	0.00	429.02	1033.71	516.86	1108.46	555.05	63.77	-5.272	0.000	0.345
117.00	-7.02	-14.51	0.00	-393.02	0.00	393.02	1024.27	512.13	1081.93	541.77	66.00	-5.349	0.000	0.320
118.00	-6.95	-14.38	0.00	-378.51	0.00	378.51	1019.48	509.74	1068.72	535.15	67.12	-5.387	0.000	0.310
118.00	-6.95	-14.38	0.00	-378.51	0.00	378.51	1019.48	509.74	1068.72	535.15	67.12	-5.387	0.000	0.310
120.00	-6.77	-14.14	0.00	-349.74	0.00	349.74	1009.78	504.89	1042.37	521.96	69.39	-5.459	0.000	0.678
125.00	-6.41	-13.53	0.00	-279.05	0.00	279.05	984.73	492.37	977.10	489.28	75.30	-5.834	0.000	0.578
130.00	-6.07	-12.93	0.00	-211.39	0.00	211.39	958.58	479.29	912.78	457.07	81.59	-6.164	0.000	0.470
135.00	-5.76	-12.33	0.00	-146.74	0.00	146.74	931.33	465.66	849.55	425.40	88.18	-6.436	0.000	0.352

Calculated Forces

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Page: 31
	Struct Class: II	



137.00	-3.51	-8.13	0.00	-122.08	0.00	122.08	920.11	460.06	824.58	412.91	90.89	-6.529	0.000	0.300
140.00	-3.38	-7.79	0.00	-97.67	0.00	97.67	902.96	451.48	787.53	394.35	95.03	-6.649	0.000	0.252
145.00	-3.19	-7.21	0.00	-58.73	0.00	58.73	873.49	436.75	726.86	363.97	102.06	-6.803	0.000	0.165
147.00	-1.55	-4.00	0.00	-44.30	0.00	44.30	861.39	430.70	703.00	352.02	104.92	-6.850	0.000	0.128
150.00	-1.45	-3.67	0.00	-32.31	0.00	32.31	842.91	421.46	667.67	334.33	109.23	-6.905	0.000	0.098
150.00	-1.45	-3.67	0.00	-32.31	0.00	32.31	656.05	328.03	328.13	215.42	109.23	-6.905	0.000	0.152
155.00	-1.23	-3.27	0.00	-13.97	0.00	13.97	656.05	328.03	328.13	215.42	116.48	-6.966	0.000	0.067
158.00	-1.08	-2.02	0.00	-4.17	0.00	4.17	656.05	328.03	328.13	215.42	120.86	-6.994	0.000	0.021
160.00	-0.08	-0.07	0.00	-0.14	0.00	0.14	656.05	328.03	328.13	215.42	123.78	-6.998	0.000	0.001
162.00	0.00	-0.06	0.00	0.00	0.00	0.00	656.05	328.03	328.13	215.42	126.71	-6.998	0.000	0.000

Wind Loading - Shaft

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



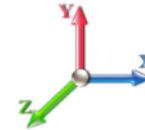
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Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Iterations 27

Dead Load Factor 1.20

Wind Load Factor 1.00



Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00	RB1	1.00	0.70	4.256	4.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	4.256	4.68	0.00	1.388 *	1.242	5.00	20.716	28.75	134.6	364.1	1485.3
10.00		1.00	0.70	4.256	4.68	0.00	1.400 *	1.331	5.00	20.381	28.53	133.5	383.0	1480.7
15.00		1.00	0.70	4.256	4.68	0.00	1.412 *	1.386	5.00	20.018	28.26	132.3	391.0	1465.2
16.67	RB2	1.00	0.70	4.256	4.68	0.00	1.420 *	1.401	1.67	6.599	9.37	43.9	131.1	484.6
18.50	RT1	1.00	0.70	4.256	4.68	0.00	1.425 *	1.416	1.83	7.183	10.23	47.9	144.0	528.5
20.00		1.00	0.70	4.256	4.68	0.00	1.429 *	1.427	1.50	5.850	8.36	39.1	118.2	431.0
25.00		1.00	0.70	4.256	4.68	0.00	1.438 *	1.459	5.00	19.261	27.69	129.6	394.6	1421.9
30.00		1.00	0.70	4.260	4.69	0.00	1.452 *	1.486	5.00	18.874	27.40	128.4	393.2	1397.0
34.67	RT2 RB3	1.00	0.73	4.439	4.88	0.00	1.466 *	1.507	4.67	17.276	25.32	123.6	364.9	1281.2
35.00		1.00	0.73	4.451	4.90	0.00	1.473 *	1.509	0.33	1.207	1.78	8.7	25.8	89.7
40.00		1.00	0.76	4.625	5.09	0.00	1.481 *	1.529	5.00	18.092	26.80	136.3	386.7	1343.5
42.14	Bot - Section 2	1.00	0.77	4.694	5.16	0.00	1.493 *	1.537	2.14	7.610	11.36	58.6	164.5	566.2
45.00		1.00	0.79	4.783	5.26	0.00	1.501 *	1.547	2.86	10.237	15.36	80.8	222.3	1204.9
47.57	Top - Section 1	1.00	0.80	4.859	5.35	0.00	1.510 *	1.556	2.57	9.077	13.71	73.3	198.2	1068.1
50.00		1.00	0.81	4.929	5.42	0.00	1.507 *	1.564	2.43	8.487	12.79	69.4	186.2	559.0
54.67	RT3 RB4	1.00	0.83	5.056	5.56	0.00	1.520 *	1.578	4.67	16.050	24.39	135.7	352.9	1056.4
55.00		1.00	0.83	5.065	5.57	0.00	1.529 *	1.579	0.33	1.121	1.71	9.5	24.9	74.0
60.00		1.00	0.85	5.193	5.71	0.00	1.538 *	1.592	5.00	16.773	25.80	147.4	371.3	1104.3
65.00		1.00	0.87	5.313	5.84	0.00	1.557 *	1.605	5.00	16.375	25.50	149.0	364.8	1078.2
70.00		1.00	0.89	5.426	5.97	0.00	1.200 *	1.617	5.00	15.976	19.17	114.4	357.9	1051.8
74.67	RT4 RB5	1.00	0.91	5.527	6.08	0.00	1.200 *	1.628	4.67	14.560	17.47	106.2	328.1	958.4
75.00		1.00	0.91	5.534	6.09	0.00	1.200 *	1.628	0.33	1.015	1.22	7.4	23.2	67.0
76.52	Bot - Section 3	1.00	0.92	5.566	6.12	0.00	1.200 *	1.632	1.52	4.645	5.57	34.1	105.7	306.4
80.00		1.00	0.93	5.637	6.20	0.00	1.200 *	1.639	3.48	10.677	12.81	79.5	242.7	1066.3
81.00	RB6	1.00	0.93	5.657	6.22	0.00	1.200 *	1.641	1.00	3.029	3.63	22.6	69.4	302.7
81.19	Top - Section 2	1.00	0.93	5.661	6.23	0.00	1.200 *	1.641	0.19	0.564	0.68	4.2	12.9	56.3
85.00		1.00	0.94	5.736	6.31	0.00	1.200 *	1.649	3.81	11.393	13.67	86.3	259.9	652.9
86.00	RT6	1.00	0.95	5.755	6.33	0.00	1.200 *	1.651	1.00	2.949	3.54	22.4	67.8	169.4
90.00		1.00	0.96	5.830	6.41	0.00	1.200 *	1.658	4.00	11.636	13.96	89.6	266.3	666.2
94.67	RT5 RB7	1.00	0.97	5.915	6.51	0.00	1.200 *	1.667	4.67	13.260	15.91	103.5	303.8	758.1
95.00		1.00	0.97	5.921	6.51	0.00	1.200 *	1.667	0.33	0.924	1.11	7.2	21.4	53.0
100.00		1.00	0.99	6.008	6.61	0.00	1.200 *	1.676	5.00	13.783	16.54	109.3	316.5	786.7
102.00	RB8	1.00	0.99	6.043	6.65	0.00	1.200 *	1.679	2.00	5.400	6.48	43.1	125.2	308.9
102.67	RT7	1.00	1.00	6.054	6.66	0.00	1.200 *	1.680	0.67	1.794	2.15	14.3	41.8	102.8
105.00		1.00	1.00	6.093	6.70	0.00	1.200 *	1.684	2.33	6.184	7.42	49.7	143.5	353.4
110.00		1.00	1.02	6.174	6.79	0.00	1.200 *	1.692	5.00	12.978	15.57	105.8	299.4	738.2
110.91	Bot - Section 4	1.00	1.02	6.189	6.81	0.00	1.200 *	1.693	0.91	2.306	2.77	18.8	53.9	131.7
114.50	Appurtenance(s)	1.00	1.03	6.245	6.87	0.00	1.200 *	1.699	3.59	9.143	10.97	75.4	212.4	748.0
114.80	Top - Section 3	1.00	1.03	6.250	6.88	0.00	1.200 *	1.699	0.30	0.745	0.89	6.1	17.5	61.1
115.00		1.00	1.03	6.253	6.88	0.00	1.200 *	1.699	0.20	0.510	0.61	4.2	12.0	24.9
117.00	Appurtenance(s)	1.00	1.03	6.284	6.91	0.00	1.200 *	1.702	2.00	4.980	5.98	41.3	116.4	242.2
118.00	RT8	1.00	1.04	6.299	6.93	0.00	1.200 *	1.704	1.00	2.466	2.96	20.5	57.8	120.0
120.00		1.00	1.04	6.330	6.96	0.00	1.200 *	1.707	2.00	4.883	5.86	40.8	114.3	237.2
125.00		1.00	1.05	6.404	7.04	0.00	1.200 *	1.714	5.00	11.928	14.31	100.8	276.6	575.8
130.00		1.00	1.07	6.476	7.12	0.00	1.200 *	1.720	5.00	11.524	13.83	98.5	267.4	554.9
135.00		1.00	1.08	6.546	7.20	0.00	1.200 *	1.727	5.00	11.121	13.35	96.1	258.2	533.9

Wind Loading - Shaft

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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137.00 Appurtenance(s)	1.00	1.08	6.574	7.23	0.00	1.200 *	1.729	2.00	4.335	5.20	37.6	101.8	208.8
140.00	1.00	1.09	6.615	7.28	0.00	1.200 *	1.733	3.00	6.381	7.66	55.7	149.3	306.3
145.00	1.00	1.10	6.681	7.35	0.00	1.200 *	1.739	5.00	10.313	12.38	91.0	239.3	491.6
147.00 Appurtenance(s)	1.00	1.10	6.708	7.38	0.00	1.200 *	1.742	2.00	4.012	4.81	35.5	94.2	191.8
150.00 Top - Section 4	1.00	1.11	6.746	7.42	0.00	1.200 *	1.745	3.00	5.896	7.08	52.5	137.8	280.7
155.00	1.00	1.12	6.810	7.49	0.00	1.200 *	1.751	5.00	6.772	8.13	60.9	155.1	452.8
158.00 Appurtenance(s)	1.00	1.13	6.847	7.53	0.00	1.200 *	1.754	3.00	4.065	4.88	36.7	93.3	271.9
160.00 Appurtenance(s)	1.00	1.13	6.872	7.56	0.00	1.200 *	1.757	2.00	2.711	3.25	24.6	62.3	181.3
162.00	1.00	1.13	6.896	7.59	0.00	1.200	1.759	2.00	2.711	3.25	24.7	62.3	181.4
Totals:								162.00			3,703.3		32,314.5

* CfA djusted byL inear Load RaE ffect

Discrete Appurtenance Forces

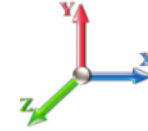
Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021	
Site Name: E-Prospect	Exposure: B		
Height: 162.00 (ft)	Crest Height: 0.00		
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil		
Gh: 1.1	Topography: 1	Struct Class: II	Page: 34



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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 27

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	
1	160.00	CommScope	3	6.872	7.559	0.56	0.75	26.19	1096.95	0.000	0.000	197.94	0.00	0.00	
2	160.00	RFS	3	6.872	7.559	0.40	0.80	2.35	104.26	0.000	0.000	17.76	0.00	0.00	
3	160.00	RFS	3	6.872	7.559	0.40	0.80	2.37	97.91	0.000	0.000	17.91	0.00	0.00	
4	160.00	Ericsson S11 B2-RRU	3	6.872	7.559	0.40	0.80	4.21	334.74	0.000	0.000	31.80	0.00	0.00	
5	160.00	Ericsson S11B12-RRU	3	6.872	7.559	0.40	0.80	4.21	345.46	0.000	0.000	31.80	0.00	0.00	
6	160.00	Ericsson Air 21 B4A/B2P	3	6.872	7.559	0.69	0.80	14.85	836.02	0.000	0.000	112.26	0.00	0.00	
7	158.00	Commscope	3	6.847	7.532	0.64	0.80	28.30	674.87	0.000	0.000	213.13	0.00	0.00	
8	147.00	RFS APXVSP18-C-A20	3	6.708	7.378	0.66	0.80	21.53	574.21	0.000	0.000	158.85	0.00	0.00	
9	147.00	ALU 1900 MHz RRUs	3	6.708	7.378	0.40	0.80	4.84	394.10	0.000	0.000	35.73	0.00	0.00	
10	147.00	ALU 800 MHz RRUs	3	6.708	7.378	0.40	0.80	4.36	348.93	0.000	0.000	32.15	0.00	0.00	
11	147.00	Low Profile Platform	1	6.708	7.378	1.00	1.00	39.63	1885.02	0.000	0.000	292.37	0.00	0.00	
12	147.00	ALU TD-RRH8x20-25	3	6.708	7.378	0.40	0.80	5.83	582.58	0.000	0.000	43.04	0.00	0.00	
13	147.00	ALU 800 MHz Filters	4	6.708	7.378	0.40	0.80	2.28	92.67	0.000	0.000	16.83	0.00	0.00	
14	147.00	RFS ACU-A20-N RETs	4	6.708	7.378	0.40	0.80	0.70	16.75	0.000	0.000	5.15	0.00	0.00	
15	147.00	RFS APXVTM14-C-120	3	6.708	7.378	0.63	0.80	14.13	681.67	0.000	0.000	104.23	0.00	0.00	
16	137.00	MS-HRECP	1	6.574	7.231	1.00	1.00	24.11	1735.28	0.000	0.000	174.38	0.00	0.00	
17	137.00	CBC78T-DS-43	3	6.574	7.231	0.38	0.75	0.73	98.84	0.000	0.000	5.29	0.00	0.00	
18	137.00	B5/B13 RRH-BR04C	3	6.574	7.231	0.50	0.75	3.67	458.80	0.000	0.000	26.57	0.00	0.00	
19	137.00	B2/B66A RRH-BR049	3	6.574	7.231	0.50	0.75	3.67	530.94	0.000	0.000	26.57	0.00	0.00	
20	137.00	MT6407-77A	3	6.574	7.231	0.52	0.75	8.86	640.55	0.000	0.000	64.10	0.00	0.00	
21	137.00	JAHH-65B-R3B	6	6.574	7.231	0.62	0.75	39.01	1823.94	0.000	0.000	282.09	0.00	0.00	
22	137.00	Low Profile Platform	1	6.574	7.231	1.00	1.00	39.50	1877.68	0.000	0.000	285.65	0.00	0.00	
23	137.00	DB-C1-12C-24AB-0Z	1	6.574	7.231	0.75	0.75	3.66	122.70	0.000	0.000	26.44	0.00	0.00	
24	117.00	Kathrein 800-10121	3	6.284	6.913	0.63	0.80	13.66	396.19	0.000	0.000	94.43	0.00	0.00	
25	117.00	Low Profile Platform	1	6.284	6.913	1.00	1.00	39.23	1861.43	0.000	0.000	271.17	0.00	0.00	
26	117.00	KMW AM-X-CD-16-6500T	2	6.284	6.913	0.65	0.80	10.49	278.67	0.000	0.000	72.54	0.00	0.00	
27	117.00	Andrew SBNH-1D6565C	4	6.284	6.913	0.64	0.80	37.48	950.66	0.000	0.000	259.09	0.00	0.00	
28	117.00	CSS DBC-750	3	6.284	6.913	0.40	0.80	1.23	36.87	0.000	0.000	8.51	0.00	0.00	
29	117.00	CCI DTMAPB7819VG12A	6	6.284	6.913	0.54	0.80	6.08	243.80	0.000	0.000	42.03	0.00	0.00	
30	117.00	Powerwave LGP 13519	3	6.284	6.913	0.40	0.80	0.94	38.77	0.000	0.000	6.49	0.00	0.00	
31	117.00	Kathrein 860 10025 RET	6	6.284	6.913	0.40	0.80	1.32	34.13	0.000	0.000	9.12	0.00	0.00	
32	114.50	Ericsson RRUS 11	6	6.245	6.870	0.54	0.80	10.14	882.82	0.000	0.000	69.65	0.00	0.00	
33	114.50	Raycap DC6-48-60-18-8F	3	6.245	6.870	0.54	0.80	3.06	180.77	0.000	0.000	21.01	0.00	0.00	
Totals:									20,258.98						3,056.11

Total Applied Force Summary

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

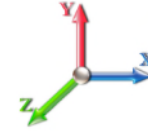


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Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 27

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		134.61	1859.39	0.00	0.00
10.00		133.55	1865.16	0.00	0.00
15.00		132.31	1856.24	0.00	0.00
16.67		43.87	615.83	0.00	0.00
18.50		47.91	672.89	0.00	0.00
20.00		39.14	549.79	0.00	0.00
25.00		129.64	1821.73	0.00	0.00
30.00		128.37	1800.15	0.00	0.00
34.67		123.64	1660.29	0.00	0.00
35.00		8.71	116.54	0.00	0.00
40.00		136.33	1752.11	0.00	0.00
42.14		58.64	741.21	0.00	0.00
45.00		80.83	1440.18	0.00	0.00
47.57		73.26	1279.86	0.00	0.00
50.00		69.36	759.67	0.00	0.00
54.67		135.65	1443.70	0.00	0.00
55.00		9.54	101.35	0.00	0.00
60.00		147.37	1520.87	0.00	0.00
65.00		149.02	1496.42	0.00	0.00
70.00		155.20	1471.51	0.00	0.00
74.67		145.14	1351.72	0.00	0.00
75.00		10.17	94.85	0.00	0.00
76.52		46.86	434.26	0.00	0.00
80.00		109.14	1360.68	0.00	0.00
81.00		31.18	387.22	0.00	0.00
81.19		5.81	72.12	0.00	0.00
85.00		119.43	976.15	0.00	0.00
86.00		31.13	254.21	0.00	0.00
90.00		125.01	1006.30	0.00	0.00
94.67		145.64	1156.14	0.00	0.00
95.00		10.20	81.15	0.00	0.00
100.00		155.23	1214.02	0.00	0.00
102.00		67.35	486.94	0.00	0.00
102.67		22.49	162.44	0.00	0.00
105.00		77.38	560.08	0.00	0.00
110.00		152.32	1167.71	0.00	0.00
110.91		27.28	209.43	0.00	0.00
114.50	(9) attachments	199.96	2120.97	0.00	0.00
114.80		8.95	86.60	0.00	0.00
115.00		6.13	42.38	0.00	0.00
117.00	(28) attachments	823.70	4255.07	0.00	0.00
118.00		30.03	189.82	0.00	0.00
120.00		59.97	376.95	0.00	0.00
125.00		133.82	908.10	0.00	0.00
130.00		131.93	887.95	0.00	0.00
135.00		129.92	867.65	0.00	0.00

Total Applied Force Summary

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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137.00	(21) attachments	942.30	7631.13	0.00	0.00
140.00		76.25	453.50	0.00	0.00
145.00		125.57	737.63	0.00	0.00
147.00	(24) attachments	737.80	4866.26	0.00	0.00
150.00		73.50	418.46	0.00	0.00
155.00		96.24	682.96	0.00	0.00
158.00	(3) attachments	271.22	1085.07	0.00	0.00
160.00	(18) attachments	448.35	3089.00	0.00	0.00
162.00		24.68	181.41	0.00	0.00
	Totals:	7,539.03	64,681.24	0.00	0.00

Linear Appurtenance Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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

Iterations 27

Dead Load Factor 1.20

Wind Load Factor 1.00



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1 5/8" Coax	Yes	5.00	0.000	5.94	3.51	0.00	0.152	1.157	4.256	0.00	148.94
5.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.152	1.157	4.256	0.00	27.35
5.00	Reinforcing plate	Yes	5.00	0.000	1.25	1.56	0.00	0.152	1.157	4.256	0.00	9.42
10.00	1 5/8" Coax	Yes	5.00	0.000	5.94	3.58	0.00	0.155	1.166	4.256	0.00	155.83
10.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.155	1.166	4.256	0.00	29.45
10.00	Reinforcing plate	Yes	5.00	0.000	1.25	1.63	0.00	0.155	1.166	4.256	0.00	10.82
15.00	1 5/8" Coax	Yes	5.00	0.000	5.94	3.63	0.00	0.159	1.176	4.256	0.00	160.14
15.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.159	1.176	4.256	0.00	30.79
15.00	Reinforcing plate	Yes	5.00	0.000	1.25	1.68	0.00	0.159	1.176	4.256	0.00	11.74
16.67	1 5/8" Coax	Yes	1.67	0.000	5.94	1.22	0.00	0.161	1.183	4.256	0.00	53.87
16.67	1 5/8" Fiber	Yes	1.67	0.000	0.00	0.00	0.00	0.161	1.183	4.256	0.00	10.41
16.67	Reinforcing plate	Yes	1.67	0.000	1.25	0.56	0.00	0.161	1.183	4.256	0.00	4.00
18.50	1 5/8" Coax	Yes	1.83	0.000	5.94	1.34	0.00	0.162	1.187	4.256	0.00	59.46
18.50	1 5/8" Fiber	Yes	1.83	0.000	0.00	0.00	0.00	0.162	1.187	4.256	0.00	11.54
18.50	Reinforcing plate	Yes	1.83	0.000	1.25	0.62	0.00	0.162	1.187	4.256	0.00	4.48
20.00	1 5/8" Coax	Yes	1.50	0.000	5.94	1.10	0.00	0.164	1.191	4.256	0.00	49.00
20.00	1 5/8" Fiber	Yes	1.50	0.000	0.00	0.00	0.00	0.164	1.191	4.256	0.00	9.54
20.00	Reinforcing plate	Yes	1.50	0.000	1.25	0.51	0.00	0.164	1.191	4.256	0.00	3.73
25.00	1 5/8" Coax	Yes	5.00	0.000	5.94	3.69	0.00	0.166	1.198	4.256	0.00	165.88
25.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.166	1.198	4.256	0.00	32.62
25.00	Reinforcing plate	Yes	5.00	0.000	1.25	1.74	0.00	0.166	1.198	4.256	0.00	13.00
30.00	1 5/8" Coax	Yes	5.00	0.000	5.94	3.71	0.00	0.170	1.210	4.260	0.00	168.02
30.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.170	1.210	4.260	0.00	33.31
30.00	Reinforcing plate	Yes	5.00	0.000	1.25	1.76	0.00	0.170	1.210	4.260	0.00	13.48
34.67	1 5/8" Coax	Yes	4.67	0.000	5.94	3.48	0.00	0.174	1.221	4.439	0.00	158.54
34.67	1 5/8" Fiber	Yes	4.67	0.000	0.00	0.00	0.00	0.174	1.221	4.439	0.00	31.64
34.67	Reinforcing plate	Yes	4.67	0.000	1.25	1.66	0.00	0.174	1.221	4.439	0.00	12.96
35.00	1 5/8" Coax	Yes	0.33	0.000	5.94	0.25	0.00	0.176	1.228	4.451	0.00	11.21
35.00	1 5/8" Fiber	Yes	0.33	0.000	0.00	0.00	0.00	0.176	1.228	4.451	0.00	2.24
35.00	Reinforcing plate	Yes	0.33	0.000	1.25	0.12	0.00	0.176	1.228	4.451	0.00	0.92
40.00	1 5/8" Coax	Yes	5.00	0.000	5.94	3.75	0.00	0.178	1.234	4.625	0.00	171.49
40.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.178	1.234	4.625	0.00	34.45
40.00	Reinforcing plate	Yes	5.00	0.000	1.25	1.80	0.00	0.178	1.234	4.625	0.00	14.28
42.14	1 5/8" Coax	Yes	2.14	0.000	5.94	1.61	0.00	0.181	1.244	4.694	0.00	73.56
42.14	1 5/8" Fiber	Yes	2.14	0.000	0.00	0.00	0.00	0.181	1.244	4.694	0.00	14.81
42.14	Reinforcing plate	Yes	2.14	0.000	1.25	0.77	0.00	0.181	1.244	4.694	0.00	6.17
45.00	1 5/8" Coax	Yes	2.86	0.000	5.94	2.16	0.00	0.184	1.251	4.783	0.00	99.04
45.00	1 5/8" Fiber	Yes	2.86	0.000	0.00	0.00	0.00	0.184	1.251	4.783	0.00	20.00
45.00	Reinforcing plate	Yes	2.86	0.000	1.25	1.04	0.00	0.184	1.251	4.783	0.00	8.37
47.57	1 5/8" Coax	Yes	2.57	0.000	5.94	1.94	0.00	0.186	1.258	4.859	0.00	89.25
47.57	1 5/8" Fiber	Yes	2.57	0.000	0.00	0.00	0.00	0.186	1.258	4.859	0.00	18.07
47.57	Reinforcing plate	Yes	2.57	0.000	1.25	0.93	0.00	0.186	1.258	4.859	0.00	7.60
50.00	1 5/8" Coax	Yes	2.43	0.000	5.94	1.84	0.00	0.185	1.256	4.929	0.00	84.69
50.00	1 5/8" Fiber	Yes	2.43	0.000	0.00	0.00	0.00	0.185	1.256	4.929	0.00	17.19
50.00	Reinforcing plate	Yes	2.43	0.000	1.25	0.89	0.00	0.185	1.256	4.929	0.00	7.26
54.67	1 5/8" Coax	Yes	4.67	0.000	5.94	3.54	0.00	0.189	1.266	5.056	0.00	163.82
54.67	1 5/8" Fiber	Yes	4.67	0.000	0.00	0.00	0.00	0.189	1.266	5.056	0.00	33.39

Linear Appurtenance Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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

Iterations 27

Dead Load Factor 1.20

Wind Load Factor 1.00



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
54.67	Reinforcing plate	Yes	4.67	0.000	1.25	1.71	0.00	0.189	1.266	5.056	0.00	14.20
55.00	1 5/8" Coax	Yes	0.33	0.000	5.94	0.25	0.00	0.191	1.274	5.065	0.00	11.58
55.00	1 5/8" Fiber	Yes	0.33	0.000	0.00	0.00	0.00	0.191	1.274	5.065	0.00	2.36
55.00	Reinforcing plate	Yes	0.33	0.000	1.25	0.12	0.00	0.191	1.274	5.065	0.00	1.00
60.00	1 5/8" Coax	Yes	5.00	0.000	5.94	3.80	0.00	0.194	1.282	5.193	0.00	176.59
60.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.194	1.282	5.193	0.00	36.14
60.00	Reinforcing plate	Yes	5.00	0.000	1.25	1.85	0.00	0.194	1.282	5.193	0.00	15.49
65.00	1 5/8" Coax	Yes	5.00	0.000	5.94	3.81	0.00	0.199	1.298	5.313	0.00	177.63
65.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.199	1.298	5.313	0.00	36.49
65.00	Reinforcing plate	Yes	5.00	0.000	1.25	1.86	0.00	0.199	1.298	5.313	0.00	15.74
70.00	1 5/8" Coax	Yes	5.00	1.200	5.94	3.82	4.59	0.205	0.000	5.426	27.38	178.60
70.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.205	0.000	5.426	0.00	36.82
70.00	Reinforcing plate	Yes	5.00	1.200	1.25	1.87	2.24	0.205	0.000	5.426	13.38	15.98
74.67	1 5/8" Coax	Yes	4.67	1.200	5.94	3.58	4.29	0.210	0.000	5.527	26.11	167.61
74.67	1 5/8" Fiber	Yes	4.67	0.000	0.00	0.00	0.00	0.210	0.000	5.527	0.00	34.66
74.67	Reinforcing plate	Yes	4.67	1.200	1.25	1.75	2.10	0.210	0.000	5.527	12.79	15.11
75.00	1 5/8" Coax	Yes	0.33	1.200	5.94	0.25	0.30	0.214	0.000	5.534	1.85	11.85
75.00	1 5/8" Fiber	Yes	0.33	0.000	0.00	0.00	0.00	0.214	0.000	5.534	0.00	2.45
75.00	Reinforcing plate	Yes	0.33	1.200	1.25	0.12	0.15	0.214	0.000	5.534	0.91	1.07
76.52	1 5/8" Coax	Yes	1.52	1.200	5.94	1.16	1.40	0.215	0.000	5.566	8.55	54.53
76.52	1 5/8" Fiber	Yes	1.52	0.000	0.00	0.00	0.00	0.215	0.000	5.566	0.00	11.29
76.52	Reinforcing plate	Yes	1.52	1.200	1.25	0.57	0.68	0.215	0.000	5.566	4.19	4.93
80.00	1 5/8" Coax	Yes	3.48	1.200	5.94	2.68	3.21	0.218	0.000	5.637	19.91	125.66
80.00	1 5/8" Fiber	Yes	3.48	0.000	0.00	0.00	0.00	0.218	0.000	5.637	0.00	26.07
80.00	Reinforcing plate	Yes	3.48	1.200	1.25	1.31	1.58	0.218	0.000	5.637	9.78	11.43
81.00	1 5/8" Coax	Yes	1.00	1.200	5.94	0.77	0.92	0.221	0.000	5.657	5.74	36.11
81.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.221	0.000	5.657	0.00	7.50
81.00	Reinforcing plate	Yes	1.00	1.200	1.25	0.38	0.45	0.221	0.000	5.657	2.82	3.29
81.19	1 5/8" Coax	Yes	0.19	1.200	5.94	0.14	0.17	0.222	0.000	5.661	1.07	6.74
81.19	1 5/8" Fiber	Yes	0.19	0.000	0.00	0.00	0.00	0.222	0.000	5.661	0.00	1.40
81.19	Reinforcing plate	Yes	0.19	1.200	1.25	0.07	0.08	0.222	0.000	5.661	0.53	0.61
85.00	1 5/8" Coax	Yes	3.81	1.200	5.94	2.94	3.52	0.221	0.000	5.736	22.23	138.18
85.00	1 5/8" Fiber	Yes	3.81	0.000	0.00	0.00	0.00	0.221	0.000	5.736	0.00	28.75
85.00	Reinforcing plate	Yes	3.81	1.200	1.25	1.45	1.73	0.221	0.000	5.736	10.94	12.67
86.00	1 5/8" Coax	Yes	1.00	1.200	5.94	0.77	0.92	0.224	0.000	5.755	5.85	36.27
86.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.224	0.000	5.755	0.00	7.55
86.00	Reinforcing plate	Yes	1.00	1.200	1.25	0.38	0.46	0.224	0.000	5.755	2.88	3.33
90.00	1 5/8" Coax	Yes	4.00	1.200	5.94	3.09	3.70	0.228	0.000	5.830	23.75	145.57
90.00	1 5/8" Fiber	Yes	4.00	0.000	0.00	0.00	0.00	0.228	0.000	5.830	0.00	30.37
90.00	Reinforcing plate	Yes	4.00	1.200	1.25	1.52	1.83	0.228	0.000	5.830	11.71	13.44
94.67	1 5/8" Coax	Yes	4.67	1.200	5.94	3.61	4.33	0.234	0.000	5.915	28.18	170.59
94.67	1 5/8" Fiber	Yes	4.67	0.000	0.00	0.00	0.00	0.234	0.000	5.915	0.00	35.68
94.67	Reinforcing plate	Yes	4.67	1.200	1.25	1.78	2.14	0.234	0.000	5.915	13.93	15.85
95.00	1 5/8" Coax	Yes	0.33	1.200	5.94	0.26	0.31	0.238	0.000	5.921	1.99	12.06
95.00	1 5/8" Fiber	Yes	0.33	0.000	0.00	0.00	0.00	0.238	0.000	5.921	0.00	2.52
95.00	Reinforcing plate	Yes	0.33	1.200	1.25	0.13	0.15	0.238	0.000	5.921	0.99	1.12
100.00	1 5/8" Coax	Yes	5.00	1.200	5.94	3.87	4.65	0.242	0.000	6.008	30.71	183.40

Linear Appurtenance Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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

Iterations 27

Dead Load Factor 1.20

Wind Load Factor 1.00



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
100.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.242	0.000	6.008	0.00	38.46
100.00	Reinforcing plate	Yes	5.00	1.200	1.25	1.92	2.30	0.242	0.000	6.008	15.21	17.16
102.00	1 5/8" Coax	Yes	2.00	1.200	5.94	1.55	1.86	0.282	0.000	6.043	12.36	73.47
102.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.282	0.000	6.043	0.00	15.42
102.00	Reinforcing plate	Yes	2.00	1.200	1.00	0.73	0.87	0.282	0.000	6.043	5.79	6.89
102.00	Reinforcing plate	Yes	2.00	1.200	1.25	0.77	0.92	0.282	0.000	6.043	6.13	6.89
102.67	1 5/8" Coax	Yes	0.67	1.200	5.94	0.52	0.62	0.285	0.000	6.054	4.15	24.62
102.67	1 5/8" Fiber	Yes	0.67	0.000	0.00	0.00	0.00	0.285	0.000	6.054	0.00	5.17
102.67	Reinforcing plate	Yes	0.67	1.200	1.00	0.24	0.29	0.285	0.000	6.054	1.95	2.31
102.67	Reinforcing plate	Yes	0.67	1.200	1.25	0.26	0.31	0.285	0.000	6.054	2.06	2.31
105.00	1 5/8" Coax	Yes	2.33	1.200	5.94	1.81	2.17	0.282	0.000	6.093	14.54	85.78
105.00	1 5/8" Fiber	Yes	2.33	0.000	0.00	0.00	0.00	0.282	0.000	6.093	0.00	18.03
105.00	Reinforcing plate	Yes	2.33	1.200	1.00	0.85	1.02	0.282	0.000	6.093	6.82	8.07
105.00	Reinforcing plate	Yes	2.03	1.200	1.25	0.78	0.94	0.282	0.000	6.093	6.28	7.03
110.00	1 5/8" Coax	Yes	5.00	1.200	5.94	3.88	4.66	0.250	0.000	6.174	31.66	184.72
110.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.250	0.000	6.174	0.00	38.92
110.00	Reinforcing plate	Yes	5.00	1.200	1.00	1.83	2.19	0.250	0.000	6.174	14.89	17.49
110.91	1 5/8" Coax	Yes	0.91	1.200	5.94	0.70	0.84	0.255	0.000	6.189	5.75	33.45
110.91	1 5/8" Fiber	Yes	0.91	0.000	0.00	0.00	0.00	0.255	0.000	6.189	0.00	7.05
110.91	Reinforcing plate	Yes	0.91	1.200	1.00	0.33	0.40	0.255	0.000	6.189	2.70	3.17
114.50	1 5/8" Coax	Yes	3.59	1.200	5.94	2.80	3.36	0.260	0.000	6.245	23.06	133.21
114.50	1 5/8" Fiber	Yes	3.59	0.000	0.00	0.00	0.00	0.260	0.000	6.245	0.00	28.12
114.50	Reinforcing plate	Yes	3.59	1.200	1.00	1.32	1.58	0.260	0.000	6.245	10.86	12.67
114.80	1 5/8" Coax	Yes	0.30	1.200	5.94	0.23	0.28	0.263	0.000	6.250	1.90	11.00
114.80	1 5/8" Fiber	Yes	0.30	0.000	0.00	0.00	0.00	0.263	0.000	6.250	0.00	2.32
114.80	Reinforcing plate	Yes	0.30	1.200	1.00	0.11	0.13	0.263	0.000	6.250	0.90	1.05
115.00	1 5/8" Coax	Yes	0.20	1.200	5.94	0.16	0.19	0.260	0.000	6.253	1.31	7.54
115.00	1 5/8" Fiber	Yes	0.20	0.000	0.00	0.00	0.00	0.260	0.000	6.253	0.00	1.59
115.00	Reinforcing plate	Yes	0.20	1.200	1.00	0.07	0.09	0.260	0.000	6.253	0.62	0.72
117.00	1 5/8" Coax	Yes	2.00	1.200	5.94	1.56	1.87	0.262	0.000	6.284	12.92	74.23
117.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.262	0.000	6.284	0.00	15.69
117.00	Reinforcing plate	Yes	2.00	1.200	1.00	0.73	0.88	0.262	0.000	6.284	6.09	7.08
118.00	1 5/8" Coax	Yes	1.00	1.200	5.94	0.78	0.93	0.265	0.000	6.299	6.48	37.14
118.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.265	0.000	6.299	0.00	7.85
118.00	Reinforcing plate	Yes	1.00	1.200	1.00	0.37	0.44	0.265	0.000	6.299	3.05	3.55
120.00	1 5/8" Coax	Yes	2.00	1.200	5.94	1.56	1.87	0.268	0.000	6.330	13.03	74.37
120.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.268	0.000	6.330	0.00	15.73
120.00	Reinforcing plate	Yes	2.00	1.200	1.00	0.74	0.88	0.268	0.000	6.330	6.15	7.12
125.00	1 5/8" Coax	Yes	5.00	1.200	5.94	3.90	4.68	0.236	0.000	6.404	32.99	186.51
125.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.236	0.000	6.404	0.00	39.54
130.00	1 5/8" Coax	Yes	5.00	1.200	5.94	3.91	4.69	0.245	0.000	6.476	33.41	187.07
130.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.245	0.000	6.476	0.00	39.73
135.00	1 5/8" Coax	Yes	5.00	1.200	5.94	3.91	4.70	0.256	0.000	6.546	33.82	187.60
135.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.256	0.000	6.546	0.00	39.92
137.00	1 5/8" Coax	Yes	2.00	1.200	5.94	1.57	1.88	0.263	0.000	6.574	13.59	75.13
137.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.263	0.000	6.574	0.00	16.00
140.00	1 5/8" Coax	Yes	3.00	1.200	5.94	2.35	2.82	0.269	0.000	6.615	20.53	112.87

Linear Appurtenance Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

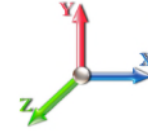


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Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
140.00	1 5/8" Fiber	Yes	3.00	0.000	0.00	0.00	0.00	0.269	0.000	6.615	0.00	24.06
145.00	1 5/8" Coax	Yes	5.00	1.200	5.94	3.92	4.71	0.279	0.000	6.681	34.61	188.63
145.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.279	0.000	6.681	0.00	40.28
147.00	1 5/8" Coax	Yes	2.00	1.200	5.94	1.57	1.88	0.289	0.000	6.708	13.91	75.53
147.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.289	0.000	6.708	0.00	16.14
150.00	1 5/8" Coax	Yes	3.00	1.200	5.94	2.36	2.83	0.296	0.000	6.746	21.00	113.47
150.00	1 5/8" Fiber	Yes	3.00	0.000	0.00	0.00	0.00	0.296	0.000	6.746	0.00	24.27
155.00	1 5/8" Coax	Yes	5.00	1.200	5.94	3.93	4.72	0.466	0.000	6.810	35.36	189.59
155.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.466	0.000	6.810	0.00	40.62
158.00	1 5/8" Coax	Yes	3.00	1.200	5.94	2.36	2.83	0.466	0.000	6.847	21.35	113.92
158.00	1 5/8" Fiber	Yes	3.00	0.000	0.00	0.00	0.00	0.466	0.000	6.847	0.00	24.43
160.00	1 5/8" Coax	Yes	2.00	1.200	5.94	1.58	1.89	0.466	0.000	6.872	14.29	76.02
160.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.466	0.000	6.872	0.00	16.31
Totals:											779.7	7,241.1

Calculated Forces

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

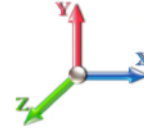


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Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Iterations 27

Dead Load Factor 1.20
Wind Load Factor 1.00



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-64.68	-7.57	0.00	-857.37	0.00	857.37	3849.02	1924.51	7372.73	3691.85	0.00	0.000	0.000	0.182
5.00	-62.81	-7.50	0.00	-819.51	0.00	819.51	3795.37	1897.68	7118.03	3564.30	0.03	-0.058	0.000	0.179
10.00	-60.94	-7.43	0.00	-782.01	0.00	782.01	3740.61	1870.30	6865.59	3437.90	0.12	-0.116	0.000	0.176
15.00	-59.08	-7.33	0.00	-744.89	0.00	744.89	3684.74	1842.37	6615.55	3312.69	0.27	-0.174	0.000	0.173
16.67	-58.46	-7.30	0.00	-732.65	0.00	732.65	3665.83	1832.91	6532.59	3271.15	0.34	-0.194	0.000	0.129
18.50	-57.78	-7.27	0.00	-719.29	0.00	719.29	3644.97	1822.48	6442.01	3225.79	0.42	-0.211	0.000	0.163
20.00	-57.23	-7.26	0.00	-708.38	0.00	708.38	3627.76	1813.88	6368.03	3188.75	0.49	-0.228	0.000	0.162
25.00	-55.40	-7.18	0.00	-672.06	0.00	672.06	3569.68	1784.84	6123.18	3066.14	0.76	-0.285	0.000	0.158
30.00	-53.60	-7.09	0.00	-636.16	0.00	636.16	3510.49	1755.24	5881.13	2944.94	1.08	-0.342	0.000	0.155
34.67	-51.93	-6.99	0.00	-603.03	0.00	603.03	3454.20	1727.10	5657.69	2833.05	1.45	-0.396	0.000	0.153
35.00	-51.81	-7.01	0.00	-600.72	0.00	600.72	3450.19	1725.09	5642.00	2825.20	1.47	-0.400	0.000	0.153
40.00	-50.06	-6.89	0.00	-565.69	0.00	565.69	3388.79	1694.39	5405.94	2706.99	1.92	-0.458	0.000	0.149
42.14	-49.31	-6.85	0.00	-550.97	0.00	550.97	3362.21	1681.10	5306.03	2656.96	2.13	-0.484	0.000	0.147
45.00	-47.87	-6.79	0.00	-531.34	0.00	531.34	3326.27	1663.14	5173.07	2590.38	2.43	-0.518	0.000	0.143
47.57	-46.59	-6.73	0.00	-513.90	0.00	513.90	2638.80	1319.40	4131.44	2068.79	2.72	-0.548	0.000	0.152
50.00	-45.82	-6.68	0.00	-497.56	0.00	497.56	2616.75	1308.38	4046.02	2026.02	3.01	-0.577	0.000	0.162
54.67	-44.38	-6.56	0.00	-466.34	0.00	466.34	2573.65	1286.82	3883.14	1944.46	3.60	-0.636	0.000	0.163
55.00	-44.27	-6.57	0.00	-464.18	0.00	464.18	2570.56	1285.28	3871.70	1938.73	3.65	-0.640	0.000	0.162
60.00	-42.74	-6.46	0.00	-431.31	0.00	431.31	2523.27	1261.63	3699.46	1852.48	4.35	-0.705	0.000	0.156
65.00	-41.24	-6.34	0.00	-399.03	0.00	399.03	2474.87	1237.43	3529.43	1767.34	5.12	-0.770	0.000	0.150
70.00	-39.77	-6.20	0.00	-367.35	0.00	367.35	2425.36	1212.68	3361.74	1683.37	5.96	-0.834	0.000	0.143
74.67	-38.41	-6.06	0.00	-338.39	0.00	338.39	2378.12	1189.06	3207.34	1606.06	6.81	-0.893	0.000	0.140
75.00	-38.32	-6.05	0.00	-336.39	0.00	336.39	2374.74	1187.37	3196.52	1600.63	6.87	-0.897	0.000	0.139
76.52	-37.88	-6.02	0.00	-327.21	0.00	327.21	2359.17	1179.58	3146.91	1575.79	7.16	-0.917	0.000	0.137
80.00	-36.52	-5.91	0.00	-306.23	0.00	306.23	2323.02	1161.51	3033.91	1519.21	7.85	-0.961	0.000	0.131
81.00	-36.13	-5.88	0.00	-300.32	0.00	300.32	2312.54	1156.27	3001.71	1503.09	8.05	-0.974	0.000	0.105
81.19	-36.06	-5.88	0.00	-299.23	0.00	299.23	1750.09	875.04	2314.24	1158.84	8.09	-0.976	0.000	0.114
85.00	-35.08	-5.76	0.00	-276.80	0.00	276.80	1723.72	861.86	2226.75	1115.03	8.88	-1.015	0.000	0.118
86.00	-34.83	-5.74	0.00	-271.04	0.00	271.04	1716.70	858.35	2203.94	1103.61	9.10	-1.025	0.000	0.146
90.00	-33.82	-5.63	0.00	-248.07	0.00	248.07	1688.18	844.09	2113.26	1058.20	9.98	-1.078	0.000	0.138
94.67	-32.66	-5.48	0.00	-221.76	0.00	221.76	1653.98	826.99	2008.61	1005.80	11.06	-1.138	0.000	0.135
95.00	-32.58	-5.49	0.00	-219.95	0.00	219.95	1651.53	825.76	2001.27	1002.12	11.14	-1.142	0.000	0.134
100.00	-31.36	-5.34	0.00	-192.49	0.00	192.49	1613.77	806.88	1890.91	946.86	12.37	-1.206	0.000	0.123
102.00	-30.87	-5.27	0.00	-181.82	0.00	181.82	1598.36	799.18	1847.26	925.00	12.88	-1.231	0.000	0.080
102.67	-30.71	-5.25	0.00	-178.30	0.00	178.30	1593.15	796.58	1832.70	917.71	13.06	-1.236	0.000	0.114
105.00	-30.15	-5.18	0.00	-166.07	0.00	166.07	1574.90	787.45	1782.33	892.49	13.67	-1.264	0.000	0.108
110.00	-28.98	-5.02	0.00	-140.16	0.00	140.16	1534.93	767.47	1675.65	839.07	15.02	-1.318	0.000	0.096
110.91	-28.77	-5.00	0.00	-135.62	0.00	135.62	1527.58	763.79	1656.56	829.51	15.27	-1.328	0.000	0.094
114.50	-26.65	-4.76	0.00	-117.66	0.00	117.66	1498.01	749.01	1581.38	791.86	16.28	-1.364	0.000	0.084
114.80	-26.57	-4.75	0.00	-116.25	0.00	116.25	1034.66	517.33	1111.16	556.41	16.37	-1.367	0.000	0.093
115.00	-26.52	-4.75	0.00	-115.28	0.00	115.28	1033.71	516.86	1108.46	555.05	16.43	-1.369	0.000	0.103
117.00	-22.29	-3.83	0.00	-105.79	0.00	105.79	1024.27	512.13	1081.93	541.77	17.00	-1.389	0.000	0.095
118.00	-22.10	-3.80	0.00	-101.97	0.00	101.97	1019.48	509.74	1068.72	535.15	17.30	-1.400	0.000	0.093
118.00	-22.10	-3.80	0.00	-101.97	0.00	101.97	1019.48	509.74	1068.72	535.15	17.30	-1.400	0.000	0.093
120.00	-21.72	-3.75	0.00	-94.37	0.00	94.37	1009.78	504.89	1042.37	521.96	17.89	-1.419	0.000	0.202
125.00	-20.81	-3.63	0.00	-75.62	0.00	75.62	984.73	492.37	977.10	489.28	19.43	-1.521	0.000	0.176
130.00	-19.92	-3.50	0.00	-57.48	0.00	57.48	958.58	479.29	912.78	457.07	21.07	-1.610	0.000	0.147
135.00	-19.05	-3.36	0.00	-39.98	0.00	39.98	931.33	465.66	849.55	425.40	22.80	-1.684	0.000	0.114

Calculated Forces

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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137.00	-11.45	-2.20	0.00	-33.25	0.00	33.25	920.11	460.06	824.58	412.91	23.51	-1.709	0.000	0.093
140.00	-11.00	-2.12	0.00	-26.65	0.00	26.65	902.96	451.48	787.53	394.35	24.59	-1.742	0.000	0.080
145.00	-10.27	-1.97	0.00	-16.07	0.00	16.07	873.49	436.75	726.86	363.97	26.44	-1.784	0.000	0.056
147.00	-5.43	-1.09	0.00	-12.12	0.00	12.12	861.39	430.70	703.00	352.02	27.19	-1.797	0.000	0.041
150.00	-5.01	-1.00	0.00	-8.87	0.00	8.87	842.91	421.46	667.67	334.33	28.33	-1.812	0.000	0.032
150.00	-5.01	-1.00	0.00	-8.87	0.00	8.87	656.05	328.03	328.13	215.42	28.33	-1.812	0.000	0.049
155.00	-4.33	-0.88	0.00	-3.87	0.00	3.87	656.05	328.03	328.13	215.42	30.24	-1.829	0.000	0.025
158.00	-3.25	-0.58	0.00	-1.22	0.00	1.22	656.05	328.03	328.13	215.42	31.39	-1.837	0.000	0.011
160.00	-0.18	-0.03	0.00	-0.06	0.00	0.06	656.05	328.03	328.13	215.42	32.16	-1.838	0.000	0.001
162.00	0.00	-0.02	0.00	0.00	0.00	0.00	656.05	328.03	328.13	215.42	32.93	-1.838	0.000	0.000

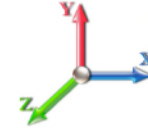
Seismic Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 1.2D + 1.0E						Iterations 24
Gust Response Factor	1.10			Sds	0.20	Ss 0.19
Dead Load Factor	1.20	Seismic Load Factor	1.00	Sd1	0.10	S1 0.06
Wind Load Factor	0.00	Structure Frequency (f1)	0.26	SA	0.03	Seismic Importance Factor 1.00



Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00	RB1	0.00	0.00	0.00	0.00	0.00	
5.00		934.37	0.00	0.03	0.02	20.50	
10.00		914.80	0.01	0.05	0.03	28.30	
15.00		895.22	0.02	0.06	0.04	31.63	
16.67	RB2	294.64	0.02	0.06	0.04	10.68	
18.50	RT1	320.36	0.02	0.07	0.04	11.87	
20.00		260.64	0.03	0.07	0.04	9.80	
25.00		856.07	0.05	0.07	0.04	33.30	
30.00		836.50	0.06	0.07	0.04	33.33	
34.67	RT2 RB3	763.61	0.09	0.07	0.04	31.07	
35.00		53.31	0.09	0.07	0.04	2.17	
40.00		797.35	0.12	0.07	0.04	33.26	
42.14	Bot - Section 2	334.76	0.13	0.07	0.03	14.11	
45.00		818.83	0.15	0.07	0.03	34.95	
47.57	Top - Section 1	724.92	0.16	0.07	0.03	31.24	
50.00		310.67	0.18	0.07	0.03	13.48	
54.67	RT3 RB4	586.23	0.22	0.06	0.02	25.46	
55.00		40.89	0.22	0.06	0.02	1.77	
60.00		610.81	0.26	0.05	0.02	25.67	
65.00		594.49	0.30	0.04	0.01	22.81	
70.00		578.18	0.35	0.03	0.01	18.13	
74.67	RT4 RB5	525.29	0.40	0.02	0.01	11.06	
75.00		36.58	0.41	0.02	0.01	0.74	
76.52	Bot - Section 3	167.21	0.42	0.01	0.01	2.67	
80.00		686.32	0.46	0.00	0.01	3.46	
81.00	RB6	194.40	0.47	-0.01	0.01	0.33	
81.19	Top - Section 2	36.16	0.47	-0.01	0.01	0.04	
85.00		327.52	0.52	-0.02	0.01	-3.95	
86.00	RT6	84.63	0.53	-0.03	0.01	-1.31	
90.00		333.31	0.58	-0.05	0.01	-9.32	
94.67	RT5 RB7	378.57	0.65	-0.07	0.02	-14.89	
95.00		26.32	0.65	-0.07	0.02	-1.05	
100.00		391.84	0.72	-0.09	0.03	-18.38	
102.00	RB8	153.08	0.75	-0.10	0.04	-7.38	
102.67	RT7	50.82	0.76	-0.10	0.04	-2.46	
105.00		174.89	0.79	-0.11	0.05	-8.51	
110.00		365.74	0.87	-0.12	0.08	-16.67	
110.91	Bot - Section 4	64.80	0.89	-0.12	0.08	-2.89	
114.50	Appurtenance(s)	810.49	0.94	-0.12	0.11	-31.56	
114.80	Top - Section 3	36.30	0.95	-0.12	0.11	-1.39	
115.00		10.75	0.95	-0.12	0.11	-0.41	
117.00	Appurtenance(s)	1920.2	0.99	-0.11	0.12	-64.76	
118.00	RT8	51.83	1.00	-0.11	0.13	-1.62	
120.00		102.49	1.04	-0.10	0.15	-2.67	
125.00		249.37	1.13	-0.05	0.20	-2.46	
130.00		239.58	1.22	0.02	0.27	2.53	

Seismic Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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135.00		229.80	1.31	0.14	0.35	8.10
137.00	Appurtenance(s)	2948.4	1.35	0.20	0.38	136.74
140.00		130.83	1.41	0.31	0.44	8.42
145.00		210.22	1.51	0.54	0.56	20.60
147.00	Appurtenance(s)	2208.5	1.56	0.65	0.61	248.95
150.00	Top - Section 4	119.09	1.62	0.84	0.70	16.22
155.00		248.04	1.73	1.24	0.86	44.44
158.00	Appurtenance(s)	298.23	1.80	1.53	0.97	61.81
160.00	Appurtenance(s)	1349.9	1.84	1.74	1.05	306.39
162.00		99.22	1.89	1.98	1.14	24.55
Totals:		26,787.5				1,138.9

Total Wind: 30,013.3

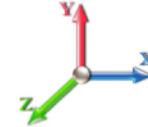
Seismic Base Shear is Less Than 50% of Wind Force - An Analysis is NOT Required

Calculated Forces

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



Load Case: 1.2D + 1.0E										Iterations 24
Gust Response Factor	1.10					Sds	0.20			Ss 0.19
Dead Load Factor	1.20	Seismic Load Factor	1.00	Sd1	0.10					S1 0.06
Wind Load Factor	0.00	Structure Frequency (f1)	0.26	SA	0.03	Seismic Importance Factor	1.00			



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-38.82	-1.33	0.00	-157.72	0.00	157.72	3849.02	1924.51	7372.73	3691.85	0.00	0.00	0.00	0.038
5.00	-37.45	-1.32	0.00	-151.06	0.00	151.06	3795.37	1897.68	7118.03	3564.30	0.01	-0.01	0.038	
10.00	-36.11	-1.30	0.00	-144.46	0.00	144.46	3740.61	1870.30	6865.59	3437.90	0.02	-0.02	0.037	
15.00	-34.79	-1.27	0.00	-137.98	0.00	137.98	3684.74	1842.37	6615.55	3312.69	0.05	-0.03	0.036	
16.67	-34.36	-1.26	0.00	-135.86	0.00	135.86	3665.83	1832.91	6532.59	3271.15	0.06	-0.04	0.027	
18.50	-33.88	-1.25	0.00	-133.55	0.00	133.55	3644.97	1822.48	6442.01	3225.79	0.08	-0.04	0.035	
20.00	-33.50	-1.24	0.00	-131.68	0.00	131.68	3627.76	1813.88	6368.03	3188.75	0.09	-0.04	0.034	
25.00	-32.22	-1.22	0.00	-125.46	0.00	125.46	3569.68	1784.84	6123.18	3066.14	0.14	-0.05	0.034	
30.00	-30.97	-1.19	0.00	-119.38	0.00	119.38	3510.49	1755.24	5881.13	2944.94	0.20	-0.06	0.033	
34.67	-29.83	-1.16	0.00	-113.84	0.00	113.84	3454.20	1727.10	5657.69	2833.05	0.27	-0.07	0.033	
35.00	-29.75	-1.16	0.00	-113.46	0.00	113.46	3450.19	1725.09	5642.00	2825.20	0.27	-0.07	0.033	
40.00	-28.55	-1.13	0.00	-107.67	0.00	107.67	3388.79	1694.39	5405.94	2706.99	0.36	-0.09	0.032	
42.14	-28.04	-1.11	0.00	-105.26	0.00	105.26	3362.21	1681.10	5306.03	2656.96	0.40	-0.09	0.032	
45.00	-26.92	-1.08	0.00	-102.07	0.00	102.07	3326.27	1663.14	5173.07	2590.38	0.45	-0.10	0.031	
47.57	-25.92	-1.05	0.00	-99.29	0.00	99.29	2638.80	1319.40	4131.44	2068.79	0.51	-0.10	0.033	
50.00	-25.43	-1.04	0.00	-96.74	0.00	96.74	2616.75	1308.38	4046.02	2026.02	0.56	-0.11	0.036	
54.67	-24.50	-1.02	0.00	-91.88	0.00	91.88	2573.65	1286.82	3883.14	1944.46	0.67	-0.12	0.036	
55.00	-24.43	-1.02	0.00	-91.54	0.00	91.54	2570.56	1285.28	3871.70	1938.73	0.68	-0.12	0.036	
60.00	-23.45	-0.99	0.00	-86.46	0.00	86.46	2523.27	1261.63	3699.46	1852.48	0.81	-0.13	0.035	
65.00	-22.50	-0.97	0.00	-81.49	0.00	81.49	2474.87	1237.43	3529.43	1767.34	0.96	-0.15	0.034	
70.00	-21.56	-0.96	0.00	-76.62	0.00	76.62	2425.36	1212.68	3361.74	1683.37	1.12	-0.16	0.033	
74.67	-20.70	-0.95	0.00	-72.15	0.00	72.15	2378.12	1189.06	3207.34	1606.06	1.28	-0.17	0.033	
75.00	-20.64	-0.95	0.00	-71.84	0.00	71.84	2374.74	1187.37	3196.52	1600.63	1.29	-0.17	0.033	
76.52	-20.36	-0.95	0.00	-70.40	0.00	70.40	2359.17	1179.58	3146.91	1575.79	1.35	-0.18	0.033	
80.00	-19.37	-0.94	0.00	-67.10	0.00	67.10	2323.02	1161.51	3033.91	1519.21	1.48	-0.19	0.032	
81.00	-19.09	-0.94	0.00	-66.16	0.00	66.16	2312.54	1156.27	3001.71	1503.09	1.52	-0.19	0.026	
81.19	-19.03	-0.94	0.00	-65.99	0.00	65.99	1750.09	875.04	2314.24	1158.84	1.53	-0.19	0.028	
85.00	-18.45	-0.94	0.00	-62.40	0.00	62.40	1723.72	861.86	2226.75	1115.03	1.68	-0.20	0.029	
86.00	-18.30	-0.94	0.00	-61.45	0.00	61.45	1716.70	858.35	2203.94	1103.61	1.73	-0.20	0.037	
90.00	-17.71	-0.95	0.00	-57.68	0.00	57.68	1688.18	844.09	2113.26	1058.20	1.90	-0.21	0.035	
94.67	-17.02	-0.95	0.00	-53.26	0.00	53.26	1653.98	826.99	2008.61	1005.80	2.12	-0.23	0.036	
95.00	-16.98	-0.95	0.00	-52.95	0.00	52.95	1651.53	825.76	2001.27	1002.12	2.13	-0.23	0.035	
100.00	-16.26	-0.95	0.00	-48.21	0.00	48.21	1613.77	806.88	1890.91	946.86	2.38	-0.24	0.034	
102.00	-15.98	-0.95	0.00	-46.32	0.00	46.32	1598.36	799.18	1847.26	925.00	2.48	-0.25	0.022	
102.67	-15.89	-0.95	0.00	-45.68	0.00	45.68	1593.15	796.58	1832.70	917.71	2.52	-0.25	0.032	
105.00	-15.56	-0.95	0.00	-43.47	0.00	43.47	1574.90	787.45	1782.33	892.49	2.64	-0.26	0.031	
110.00	-14.88	-0.95	0.00	-38.72	0.00	38.72	1534.93	767.47	1675.65	839.07	2.92	-0.27	0.029	
110.91	-14.76	-0.95	0.00	-37.86	0.00	37.86	1527.58	763.79	1656.56	829.51	2.97	-0.28	0.029	
114.50	-13.61	-0.95	0.00	-34.45	0.00	34.45	1498.01	749.01	1581.38	791.86	3.19	-0.29	0.027	
114.80	-13.55	-0.95	0.00	-34.17	0.00	34.17	1034.66	517.33	1111.16	556.41	3.20	-0.29	0.029	
115.00	-13.53	-0.95	0.00	-33.97	0.00	33.97	1033.71	516.86	1108.46	555.05	3.22	-0.29	0.033	
117.00	-11.12	-0.94	0.00	-32.08	0.00	32.08	1024.27	512.13	1081.93	541.77	3.34	-0.29	0.031	
118.00	-11.03	-0.94	0.00	-31.15	0.00	31.15	1019.48	509.74	1068.72	535.15	3.40	-0.30	0.030	
118.00	-11.03	-0.94	0.00	-31.15	0.00	31.15	1019.48	509.74	1068.72	535.15	3.40	-0.30	0.030	
120.00	-10.84	-0.94	0.00	-29.27	0.00	29.27	1009.78	504.89	1042.37	521.96	3.53	-0.30	0.067	
125.00	-10.38	-0.94	0.00	-24.58	0.00	24.58	984.73	492.37	977.10	489.28	3.86	-0.34	0.061	
130.00	-9.93	-0.94	0.00	-19.87	0.00	19.87	958.58	479.29	912.78	457.07	4.23	-0.37	0.054	

Calculated Forces

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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135.00	-9.49	-0.93	0.00	-15.17	0.00	15.17	931.33	465.66	849.55	425.40	4.63	-0.39	0.046
137.00	-5.89	-0.77	0.00	-13.30	0.00	13.30	920.11	460.06	824.58	412.91	4.79	-0.40	0.039
140.00	-5.68	-0.76	0.00	-10.98	0.00	10.98	902.96	451.48	787.53	394.35	5.05	-0.41	0.034
145.00	-5.36	-0.74	0.00	-7.16	0.00	7.16	873.49	436.75	726.86	363.97	5.49	-0.43	0.026
147.00	-2.68	-0.47	0.00	-5.67	0.00	5.67	861.39	430.70	703.00	352.02	5.68	-0.44	0.019
150.00	-2.50	-0.46	0.00	-4.25	0.00	4.25	842.91	421.46	667.67	334.33	5.96	-0.45	0.016
150.00	-2.50	-0.46	0.00	-4.25	0.00	4.25	656.05	328.03	328.13	215.42	5.96	-0.45	0.024
155.00	-2.15	-0.41	0.00	-1.97	0.00	1.97	656.05	328.03	328.13	215.42	6.43	-0.45	0.012
158.00	-1.76	-0.34	0.00	-0.74	0.00	0.74	656.05	328.03	328.13	215.42	6.71	-0.46	0.006
160.00	-0.12	-0.03	0.00	-0.05	0.00	0.05	656.05	328.03	328.13	215.42	6.91	-0.46	0.000
162.00	0.00	-0.02	0.00	0.00	0.00	0.00	656.05	328.03	328.13	215.42	7.10	-0.46	0.000

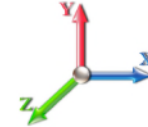
Seismic Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 0.9D + 1.0E						Iterations 24
Gust Response Factor	1.10			Sds	0.20	Ss 0.19
Dead Load Factor	0.90	Seismic Load Factor	1.00	Sd1	0.10	S1 0.06
Wind Load Factor	0.00	Structure Frequency (f1)	0.26	SA	0.03	Seismic Importance Factor 1.00



Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00	RB1	0.00	0.00	0.00	0.00	0.00	
5.00		934.37	0.00	0.03	0.02	20.50	
10.00		914.80	0.01	0.05	0.03	28.30	
15.00		895.22	0.02	0.06	0.04	31.63	
16.67	RB2	294.64	0.02	0.06	0.04	10.68	
18.50	RT1	320.36	0.02	0.07	0.04	11.87	
20.00		260.64	0.03	0.07	0.04	9.80	
25.00		856.07	0.05	0.07	0.04	33.30	
30.00		836.50	0.06	0.07	0.04	33.33	
34.67	RT2 RB3	763.61	0.09	0.07	0.04	31.07	
35.00		53.31	0.09	0.07	0.04	2.17	
40.00		797.35	0.12	0.07	0.04	33.26	
42.14	Bot - Section 2	334.76	0.13	0.07	0.03	14.11	
45.00		818.83	0.15	0.07	0.03	34.95	
47.57	Top - Section 1	724.92	0.16	0.07	0.03	31.24	
50.00		310.67	0.18	0.07	0.03	13.48	
54.67	RT3 RB4	586.23	0.22	0.06	0.02	25.46	
55.00		40.89	0.22	0.06	0.02	1.77	
60.00		610.81	0.26	0.05	0.02	25.67	
65.00		594.49	0.30	0.04	0.01	22.81	
70.00		578.18	0.35	0.03	0.01	18.13	
74.67	RT4 RB5	525.29	0.40	0.02	0.01	11.06	
75.00		36.58	0.41	0.02	0.01	0.74	
76.52	Bot - Section 3	167.21	0.42	0.01	0.01	2.67	
80.00		686.32	0.46	0.00	0.01	3.46	
81.00	RB6	194.40	0.47	-0.01	0.01	0.33	
81.19	Top - Section 2	36.16	0.47	-0.01	0.01	0.04	
85.00		327.52	0.52	-0.02	0.01	-3.95	
86.00	RT6	84.63	0.53	-0.03	0.01	-1.31	
90.00		333.31	0.58	-0.05	0.01	-9.32	
94.67	RT5 RB7	378.57	0.65	-0.07	0.02	-14.89	
95.00		26.32	0.65	-0.07	0.02	-1.05	
100.00		391.84	0.72	-0.09	0.03	-18.38	
102.00	RB8	153.08	0.75	-0.10	0.04	-7.38	
102.67	RT7	50.82	0.76	-0.10	0.04	-2.46	
105.00		174.89	0.79	-0.11	0.05	-8.51	
110.00		365.74	0.87	-0.12	0.08	-16.67	
110.91	Bot - Section 4	64.80	0.89	-0.12	0.08	-2.89	
114.50	Appurtenance(s)	810.49	0.94	-0.12	0.11	-31.56	
114.80	Top - Section 3	36.30	0.95	-0.12	0.11	-1.39	
115.00		10.75	0.95	-0.12	0.11	-0.41	
117.00	Appurtenance(s)	1920.2	0.99	-0.11	0.12	-64.76	
118.00	RT8	51.83	1.00	-0.11	0.13	-1.62	
120.00		102.49	1.04	-0.10	0.15	-2.67	
125.00		249.37	1.13	-0.05	0.20	-2.46	
130.00		239.58	1.22	0.02	0.27	2.53	

Seismic Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021	
Site Name: E-Prospect	Exposure: B		
Height: 162.00 (ft)	Crest Height: 0.00		
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil		
Gh: 1.1	Topography: 1	Struct Class: II	Page: 48



135.00		229.80	1.31	0.14	0.35	8.10
137.00	Appurtenance(s)	2948.4	1.35	0.20	0.38	136.74
140.00		130.83	1.41	0.31	0.44	8.42
145.00		210.22	1.51	0.54	0.56	20.60
147.00	Appurtenance(s)	2208.5	1.56	0.65	0.61	248.95
150.00	Top - Section 4	119.09	1.62	0.84	0.70	16.22
155.00		248.04	1.73	1.24	0.86	44.44
158.00	Appurtenance(s)	298.23	1.80	1.53	0.97	61.81
160.00	Appurtenance(s)	1349.9	1.84	1.74	1.05	306.39
162.00		99.22	1.89	1.98	1.14	24.55
Totals:		26,787.5				1,138.9
						Total Wind: 30,013.3

Seismic Base Shear is Less Than 50% of Wind Force - An Analysis is NOT Required

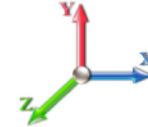
Calculated Forces

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 0.9D + 1.0E		Iterations 24
Gust Response Factor 1.10	Sds 0.20	Ss 0.19
Dead Load Factor 0.90	Seismic Load Factor 1.00	S1 0.06
Wind Load Factor 0.00	Structure Frequency (f1) 0.26	SA 0.03
	Seismic Importance Factor 1.00	



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-29.12	-1.33	0.00	-155.74	0.00	155.74	3849.02	1924.51	7372.73	3691.85	0.00	0.00	0.00	0.036
5.00	-28.09	-1.32	0.00	-149.08	0.00	149.08	3795.37	1897.68	7118.03	3564.30	0.01	-0.01	0.00	0.036
10.00	-27.08	-1.29	0.00	-142.50	0.00	142.50	3740.61	1870.30	6865.59	3437.90	0.02	-0.02	0.00	0.035
15.00	-26.09	-1.26	0.00	-136.03	0.00	136.03	3684.74	1842.37	6615.55	3312.69	0.05	-0.03	0.00	0.034
16.67	-25.77	-1.25	0.00	-133.92	0.00	133.92	3665.83	1832.91	6532.59	3271.15	0.06	-0.04	0.00	0.026
18.50	-25.41	-1.24	0.00	-131.63	0.00	131.63	3644.97	1822.48	6442.01	3225.79	0.08	-0.04	0.00	0.033
20.00	-25.12	-1.24	0.00	-129.76	0.00	129.76	3627.76	1813.88	6368.03	3188.75	0.09	-0.04	0.00	0.032
25.00	-24.17	-1.21	0.00	-123.58	0.00	123.58	3569.68	1784.84	6123.18	3066.14	0.14	-0.05	0.00	0.032
30.00	-23.23	-1.18	0.00	-117.54	0.00	117.54	3510.49	1755.24	5881.13	2944.94	0.20	-0.06	0.00	0.031
34.67	-22.37	-1.15	0.00	-112.04	0.00	112.04	3454.20	1727.10	5657.69	2833.05	0.26	-0.07	0.00	0.031
35.00	-22.31	-1.15	0.00	-111.66	0.00	111.66	3450.19	1725.09	5642.00	2825.20	0.27	-0.07	0.00	0.031
40.00	-21.41	-1.12	0.00	-105.93	0.00	105.93	3388.79	1694.39	5405.94	2706.99	0.35	-0.08	0.00	0.030
42.14	-21.03	-1.10	0.00	-103.54	0.00	103.54	3362.21	1681.10	5306.03	2656.96	0.39	-0.09	0.00	0.030
45.00	-20.19	-1.07	0.00	-100.39	0.00	100.39	3326.27	1663.14	5173.07	2590.38	0.45	-0.10	0.00	0.029
47.57	-19.44	-1.04	0.00	-97.64	0.00	97.64	2638.80	1319.40	4131.44	2068.79	0.50	-0.10	0.00	0.031
50.00	-19.07	-1.03	0.00	-95.12	0.00	95.12	2616.75	1308.38	4046.02	2026.02	0.55	-0.11	0.00	0.034
54.67	-18.37	-1.00	0.00	-90.32	0.00	90.32	2573.65	1286.82	3883.14	1944.46	0.66	-0.12	0.00	0.034
55.00	-18.32	-1.00	0.00	-89.99	0.00	89.99	2570.56	1285.28	3871.70	1938.73	0.67	-0.12	0.00	0.034
60.00	-17.59	-0.98	0.00	-84.98	0.00	84.98	2523.27	1261.63	3699.46	1852.48	0.80	-0.13	0.00	0.033
65.00	-16.87	-0.96	0.00	-80.08	0.00	80.08	2474.87	1237.43	3529.43	1767.34	0.94	-0.14	0.00	0.032
70.00	-16.17	-0.94	0.00	-75.29	0.00	75.29	2425.36	1212.68	3361.74	1683.37	1.10	-0.16	0.00	0.031
74.67	-15.52	-0.93	0.00	-70.89	0.00	70.89	2378.12	1189.06	3207.34	1606.06	1.26	-0.17	0.00	0.031
75.00	-15.48	-0.93	0.00	-70.59	0.00	70.59	2374.74	1187.37	3196.52	1600.63	1.27	-0.17	0.00	0.031
76.52	-15.27	-0.93	0.00	-69.18	0.00	69.18	2359.17	1179.58	3146.91	1575.79	1.33	-0.17	0.00	0.031
80.00	-14.53	-0.92	0.00	-65.94	0.00	65.94	2323.02	1161.51	3033.91	1519.21	1.46	-0.18	0.00	0.030
81.00	-14.31	-0.92	0.00	-65.01	0.00	65.01	2312.54	1156.27	3001.71	1503.09	1.50	-0.19	0.00	0.024
81.19	-14.27	-0.93	0.00	-64.84	0.00	64.84	1750.09	875.04	2314.24	1158.84	1.51	-0.19	0.00	0.026
85.00	-13.84	-0.93	0.00	-61.31	0.00	61.31	1723.72	861.86	2226.75	1115.03	1.66	-0.20	0.00	0.028
86.00	-13.73	-0.93	0.00	-60.39	0.00	60.39	1716.70	858.35	2203.94	1103.61	1.70	-0.20	0.00	0.034
90.00	-13.28	-0.93	0.00	-56.68	0.00	56.68	1688.18	844.09	2113.26	1058.20	1.87	-0.21	0.00	0.033
94.67	-12.77	-0.93	0.00	-52.35	0.00	52.35	1653.98	826.99	2008.61	1005.80	2.08	-0.22	0.00	0.034
95.00	-12.73	-0.93	0.00	-52.04	0.00	52.04	1651.53	825.76	2001.27	1002.12	2.10	-0.22	0.00	0.033
100.00	-12.19	-0.93	0.00	-47.40	0.00	47.40	1613.77	806.88	1890.91	946.86	2.34	-0.24	0.00	0.032
102.00	-11.98	-0.93	0.00	-45.54	0.00	45.54	1598.36	799.18	1847.26	925.00	2.45	-0.25	0.00	0.021
102.67	-11.91	-0.93	0.00	-44.91	0.00	44.91	1593.15	796.58	1832.70	917.71	2.48	-0.25	0.00	0.030
105.00	-11.67	-0.93	0.00	-42.75	0.00	42.75	1574.90	787.45	1782.33	892.49	2.60	-0.25	0.00	0.029
110.00	-11.16	-0.93	0.00	-38.09	0.00	38.09	1534.93	767.47	1675.65	839.07	2.88	-0.27	0.00	0.027
110.91	-11.07	-0.93	0.00	-37.25	0.00	37.25	1527.58	763.79	1656.56	829.51	2.93	-0.27	0.00	0.027
114.50	-10.20	-0.93	0.00	-33.90	0.00	33.90	1498.01	749.01	1581.38	791.86	3.14	-0.28	0.00	0.025
114.80	-10.16	-0.93	0.00	-33.63	0.00	33.63	1034.66	517.33	1111.16	556.41	3.15	-0.28	0.00	0.028
115.00	-10.14	-0.93	0.00	-33.44	0.00	33.44	1033.71	516.86	1108.46	555.05	3.17	-0.28	0.00	0.031
117.00	-8.34	-0.92	0.00	-31.58	0.00	31.58	1024.27	512.13	1081.93	541.77	3.29	-0.29	0.00	0.029
118.00	-8.27	-0.92	0.00	-30.66	0.00	30.66	1019.48	509.74	1068.72	535.15	3.35	-0.29	0.00	0.029
118.00	-8.27	-0.92	0.00	-30.66	0.00	30.66	1019.48	509.74	1068.72	535.15	3.35	-0.29	0.00	0.029
120.00	-8.13	-0.92	0.00	-28.82	0.00	28.82	1009.78	504.89	1042.37	521.96	3.47	-0.30	0.00	0.063
125.00	-7.78	-0.93	0.00	-24.21	0.00	24.21	984.73	492.37	977.10	489.28	3.80	-0.33	0.00	0.057
130.00	-7.44	-0.92	0.00	-19.58	0.00	19.58	958.58	479.29	912.78	457.07	4.16	-0.36	0.00	0.051

Calculated Forces

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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135.00	-7.11	-0.92	0.00	-14.96	0.00	14.96	931.33	465.66	849.55	425.40	4.55	-0.39	0.043
137.00	-4.41	-0.76	0.00	-13.13	0.00	13.13	920.11	460.06	824.58	412.91	4.72	-0.40	0.037
140.00	-4.26	-0.75	0.00	-10.84	0.00	10.84	902.96	451.48	787.53	394.35	4.97	-0.41	0.032
145.00	-4.02	-0.73	0.00	-7.07	0.00	7.07	873.49	436.75	726.86	363.97	5.41	-0.43	0.024
147.00	-2.01	-0.47	0.00	-5.61	0.00	5.61	861.39	430.70	703.00	352.02	5.59	-0.43	0.018
150.00	-1.88	-0.45	0.00	-4.21	0.00	4.21	842.91	421.46	667.67	334.33	5.86	-0.44	0.015
150.00	-1.88	-0.45	0.00	-4.21	0.00	4.21	656.05	328.03	328.13	215.42	5.86	-0.44	0.022
155.00	-1.61	-0.41	0.00	-1.95	0.00	1.95	656.05	328.03	328.13	215.42	6.33	-0.45	0.012
158.00	-1.32	-0.34	0.00	-0.73	0.00	0.73	656.05	328.03	328.13	215.42	6.61	-0.45	0.005
160.00	-0.09	-0.03	0.00	-0.05	0.00	0.05	656.05	328.03	328.13	215.42	6.80	-0.45	0.000
162.00	0.00	-0.02	0.00	0.00	0.00	0.00	656.05	328.03	328.13	215.42	6.99	-0.45	0.000

Wind Loading - Shaft

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



Load Case: 1.0D + 1.0W 60 mph Wind	Iterations 26
Dead Load Factor 1.00	
Wind Load Factor 1.00	



Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00	RB1	1.00	0.70	6.129	6.74	199.65	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	6.129	6.74	195.54	0.752 *	0.000	5.00	19.681	14.80	99.8	0.0	934.4
10.00		1.00	0.70	6.129	6.74	191.44	0.758 *	0.000	5.00	19.272	14.61	98.5	0.0	914.8
15.00		1.00	0.70	6.129	6.74	187.33	0.765 *	0.000	5.00	18.863	14.42	97.2	0.0	895.2
16.67	RB2	1.00	0.70	6.129	6.74	185.96	0.769 *	0.000	1.67	6.209	4.78	32.2	0.0	294.6
18.50	RT1	1.00	0.70	6.129	6.74	184.46	0.772 *	0.000	1.83	6.752	5.21	35.1	0.0	320.4
20.00		1.00	0.70	6.129	6.74	183.22	0.774 *	0.000	1.50	5.493	4.25	28.7	0.0	260.6
25.00		1.00	0.70	6.129	6.74	179.12	0.779 *	0.000	5.00	18.045	14.05	94.7	0.0	856.1
30.00		1.00	0.70	6.134	6.75	175.08	0.786 *	0.000	5.00	17.636	13.87	93.6	0.0	836.5
34.67	RT2 RB3	1.00	0.73	6.393	7.03	174.82	0.794 *	0.000	4.67	16.103	12.78	89.9	0.0	763.6
35.00		1.00	0.73	6.410	7.05	174.78	0.798 *	0.000	0.33	1.124	0.90	6.3	0.0	53.3
40.00		1.00	0.76	6.659	7.33	173.87	0.802 *	0.000	5.00	16.818	13.49	98.8	0.0	797.3
42.14	Bot - Section 2	1.00	0.77	6.759	7.43	173.32	0.808 *	0.000	2.14	7.062	5.71	42.5	0.0	334.8
45.00		1.00	0.79	6.887	7.58	172.47	0.813 *	0.000	2.86	9.498	7.72	58.5	0.0	818.8
47.57	Top - Section 1	1.00	0.80	6.997	7.70	171.59	0.818 *	0.000	2.57	8.411	6.88	52.9	0.0	724.9
50.00		1.00	0.81	7.098	7.81	173.52	0.817 *	0.000	2.43	7.853	6.41	50.1	0.0	310.7
54.67	RT3 RB4	1.00	0.83	7.281	8.01	171.57	0.823 *	0.000	4.67	14.822	12.20	97.7	0.0	586.2
55.00		1.00	0.83	7.294	8.02	171.42	0.828 *	0.000	0.33	1.034	0.86	6.9	0.0	40.9
60.00		1.00	0.85	7.477	8.22	169.03	0.833 *	0.000	5.00	15.446	12.87	105.9	0.0	610.8
65.00		1.00	0.87	7.650	8.42	166.38	0.843 *	0.000	5.00	15.037	12.68	106.7	0.0	594.5
70.00		1.00	0.89	7.814	8.60	163.52	1.200 *	0.000	5.00	14.628	17.55	150.9	0.0	578.2
74.67	RT4 RB5	1.00	0.91	7.959	8.76	160.66	1.200 *	0.000	4.67	13.294	15.95	139.7	0.0	525.3
75.00		1.00	0.91	7.969	8.77	160.46	1.200 *	0.000	0.33	0.926	1.11	9.7	0.0	36.6
76.52	Bot - Section 3	1.00	0.92	8.015	8.82	159.49	1.200 *	0.000	1.52	4.232	5.08	44.8	0.0	167.2
80.00		1.00	0.93	8.118	8.93	157.22	1.200 *	0.000	3.48	9.725	11.67	104.2	0.0	686.3
81.00	RB6	1.00	0.93	8.147	8.96	156.55	1.200 *	0.000	1.00	2.755	3.31	29.6	0.0	194.4
81.19	Top - Section 2	1.00	0.93	8.152	8.97	156.42	1.200 *	0.000	0.19	0.513	0.62	5.5	0.0	36.2
85.00		1.00	0.94	8.260	9.09	156.28	1.200 *	0.000	3.81	10.345	12.41	112.8	0.0	327.5
86.00	RT6	1.00	0.95	8.287	9.12	155.59	1.200 *	0.000	1.00	2.674	3.21	29.2	0.0	84.6
90.00		1.00	0.96	8.396	9.24	152.76	1.200 *	0.000	4.00	10.531	12.64	116.7	0.0	333.3
94.67	RT5 RB7	1.00	0.97	8.518	9.37	149.34	1.200 *	0.000	4.67	11.963	14.36	134.5	0.0	378.6
95.00		1.00	0.97	8.526	9.38	149.10	1.200 *	0.000	0.33	0.832	1.00	9.4	0.0	26.3
100.00		1.00	0.99	8.652	9.52	145.32	1.200 *	0.000	5.00	12.386	14.86	141.5	0.0	391.8
102.00	RB8	1.00	0.99	8.701	9.57	143.77	1.200 *	0.000	2.00	4.840	5.81	55.6	0.0	153.1
102.67	RT7	1.00	1.00	8.718	9.59	143.25	1.200 *	0.000	0.67	1.607	1.93	18.5	0.0	50.8
105.00		1.00	1.00	8.774	9.65	141.42	1.200 *	0.000	2.33	5.530	6.64	64.0	0.0	174.9
110.00		1.00	1.02	8.891	9.78	137.42	1.200 *	0.000	5.00	11.568	13.88	135.8	0.0	365.7
110.91	Bot - Section 4	1.00	1.02	8.912	9.80	136.68	1.200 *	0.000	0.91	2.050	2.46	24.1	0.0	64.8
114.50	Appurtenance(s)	1.00	1.03	8.993	9.89	133.73	1.200 *	0.000	3.59	8.126	9.75	96.5	0.0	446.3
114.80	Top - Section 3	1.00	1.03	9.000	9.90	133.48	1.200 *	0.000	0.30	0.661	0.79	7.9	0.0	36.3
115.00		1.00	1.03	9.005	9.91	135.25	1.200 *	0.000	0.20	0.452	0.54	5.4	0.0	10.7
117.00	Appurtenance(s)	1.00	1.03	9.049	9.95	133.58	1.200 *	0.000	2.00	4.413	5.30	52.7	0.0	104.8
118.00	RT8	1.00	1.04	9.071	9.98	132.75	1.200 *	0.000	1.00	2.182	2.62	26.1	0.0	51.8
120.00		1.00	1.04	9.115	10.03	131.06	1.200 *	0.000	2.00	4.314	5.18	51.9	0.0	102.5
125.00		1.00	1.05	9.222	10.14	126.79	1.200 *	0.000	5.00	10.500	12.60	127.8	0.0	249.4
130.00		1.00	1.07	9.326	10.26	122.44	1.200 *	0.000	5.00	10.091	12.11	124.2	0.0	239.6
135.00		1.00	1.08	9.427	10.37	118.01	1.200 *	0.000	5.00	9.682	11.62	120.5	0.0	229.8

Wind Loading - Shaft

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Page: 52
	Struct Class: II	



137.00 Appurtenance(s)	1.00	1.08	9.466	10.41	116.22	1.200 *	0.000	2.00	3.758	4.51	47.0	0.0	89.2
140.00	1.00	1.09	9.525	10.48	113.50	1.200 *	0.000	3.00	5.515	6.62	69.3	0.0	130.8
145.00	1.00	1.10	9.621	10.58	108.93	1.200 *	0.000	5.00	8.864	10.64	112.6	0.0	210.2
147.00 Appurtenance(s)	1.00	1.10	9.659	10.62	107.08	1.200 *	0.000	2.00	3.431	4.12	43.7	0.0	81.3
150.00 Top - Section 4	1.00	1.11	9.715	10.69	104.29	1.200 *	0.000	3.00	5.024	6.03	64.4	0.0	119.1
155.00	1.00	1.12	9.806	10.79	67.47	1.200 *	0.000	5.00	5.313	6.38	68.8	0.0	248.0
158.00 Appurtenance(s)	1.00	1.13	9.860	10.85	67.65	1.200 *	0.000	3.00	3.188	3.82	41.5	0.0	148.8
160.00 Appurtenance(s)	1.00	1.13	9.896	10.89	67.77	1.200 *	0.000	2.00	2.125	2.55	27.8	0.0	99.2
162.00	1.00	1.13	9.931	10.92	67.90	0.600	0.000	2.00	2.125	1.27	13.9	0.0	99.2
Totals:								162.00	3,724.4	18,221.3			

* CfA djusted byL inear Load RaE ffect

Discrete Appurtenance Forces

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

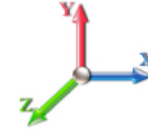


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Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 26

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	160.00	CommScope	3	9.896	10.885	0.56	0.75	14.34	600.00	0.000	0.000	156.13	0.00	0.00
2	160.00	RFS	3	9.896	10.885	0.40	0.80	1.40	39.00	0.000	0.000	15.28	0.00	0.00
3	160.00	RFS	3	9.896	10.885	0.40	0.80	1.40	37.50	0.000	0.000	15.28	0.00	0.00
4	160.00	Ericsson S11 B2-RRU	3	9.896	10.885	0.40	0.80	3.40	150.00	0.000	0.000	36.97	0.00	0.00
5	160.00	Ericsson S11B12-RRU	3	9.896	10.885	0.40	0.80	3.40	153.00	0.000	0.000	36.97	0.00	0.00
6	160.00	Ericsson Air 21 B4A/B2P	3	9.896	10.885	0.69	0.80	12.57	271.20	0.000	0.000	136.82	0.00	0.00
7	158.00	CommScope	3	9.860	10.846	0.64	0.80	22.02	149.40	0.000	0.000	238.86	0.00	0.00
8	147.00	RFS APXVSP18-C-A20	3	9.659	10.625	0.66	0.80	15.98	171.00	0.000	0.000	169.74	0.00	0.00
9	147.00	ALU 1900 MHz RRUs	3	9.659	10.625	0.40	0.80	3.32	180.00	0.000	0.000	35.32	0.00	0.00
10	147.00	ALU 800 MHz RRUs	3	9.659	10.625	0.40	0.80	2.99	159.00	0.000	0.000	31.75	0.00	0.00
11	147.00	Low Profile Platform	1	9.659	10.625	1.00	1.00	22.00	1200.00	0.000	0.000	233.75	0.00	0.00
12	147.00	ALU TD-RRH8x20-25	3	9.659	10.625	0.40	0.80	4.86	210.00	0.000	0.000	51.64	0.00	0.00
13	147.00	ALU 800 MHz Filters	4	9.659	10.625	0.40	0.80	1.25	35.20	0.000	0.000	13.26	0.00	0.00
14	147.00	RFS ACU-A20-N RETs	4	9.659	10.625	0.40	0.80	0.22	4.00	0.000	0.000	2.38	0.00	0.00
15	147.00	RFS APXVTM14-C-120	3	9.659	10.625	0.63	0.80	12.02	168.00	0.000	0.000	127.72	0.00	0.00
16	137.00	MS-HRECP	1	9.466	10.413	1.00	1.00	12.25	514.00	0.000	0.000	127.56	0.00	0.00
17	137.00	CBC78T-DS-43	3	9.466	10.413	0.38	0.75	0.42	31.20	0.000	0.000	4.33	0.00	0.00
18	137.00	B5/B13 RRH-BR04C	3	9.466	10.413	0.50	0.75	2.82	210.90	0.000	0.000	29.35	0.00	0.00
19	137.00	B2/B66A RRH-BR049	3	9.466	10.413	0.50	0.75	2.82	253.20	0.000	0.000	29.35	0.00	0.00
20	137.00	MT6407-77A	3	9.466	10.413	0.52	0.75	7.39	238.20	0.000	0.000	76.92	0.00	0.00
21	137.00	JAHH-65B-R3B	6	9.466	10.413	0.62	0.75	34.03	379.80	0.000	0.000	354.31	0.00	0.00
22	137.00	Low Profile Platform	1	9.466	10.413	1.00	1.00	22.00	1200.00	0.000	0.000	229.09	0.00	0.00
23	137.00	DB-C1-12C-24AB-0Z	1	9.466	10.413	0.75	0.75	3.04	32.00	0.000	0.000	31.71	0.00	0.00
24	117.00	Kathrein 800-10121	3	9.049	9.954	0.63	0.80	9.76	132.30	0.000	0.000	97.20	0.00	0.00
25	117.00	Low Profile Platform	1	9.049	9.954	1.00	1.00	22.00	1200.00	0.000	0.000	218.99	0.00	0.00
26	117.00	KMW AM-X-CD-16-6500T	2	9.049	9.954	0.65	0.80	7.84	66.00	0.000	0.000	78.05	0.00	0.00
27	117.00	Andrew SBNH-1D6565C	4	9.049	9.954	0.64	0.80	29.36	264.40	0.000	0.000	292.28	0.00	0.00
28	117.00	CSS DBC-750	3	9.049	9.954	0.40	0.80	0.61	14.40	0.000	0.000	6.09	0.00	0.00
29	117.00	CCI DTMAPB7819VG12A	6	9.049	9.954	0.54	0.80	3.67	115.20	0.000	0.000	36.49	0.00	0.00
30	117.00	Powerwave LGP 13519	3	9.049	9.954	0.40	0.80	0.41	15.90	0.000	0.000	4.06	0.00	0.00
31	117.00	Kathrein 860 10025 RET	6	9.049	9.954	0.40	0.80	0.43	7.20	0.000	0.000	4.30	0.00	0.00
32	114.50	Ericsson RRUS 11	6	8.993	9.893	0.54	0.80	8.10	304.20	0.000	0.000	80.17	0.00	0.00
33	114.50	Raycap DC6-48-60-18-8F	3	8.993	9.893	0.54	0.80	2.03	60.00	0.000	0.000	20.04	0.00	0.00
Totals:									8,566.20			3,022.17		

Total Applied Force Summary

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II

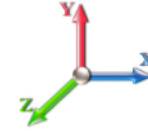


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Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 26

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		99.75	1138.43	0.00	0.00
10.00		98.50	1118.86	0.00	0.00
15.00		97.24	1099.28	0.00	0.00
16.67		32.20	362.80	0.00	0.00
18.50		35.12	395.05	0.00	0.00
20.00		28.66	321.86	0.00	0.00
25.00		94.73	1060.13	0.00	0.00
30.00		93.56	1040.56	0.00	0.00
34.67		89.89	954.20	0.00	0.00
35.00		6.33	66.78	0.00	0.00
40.00		98.85	1001.41	0.00	0.00
42.14		42.45	421.96	0.00	0.00
45.00		58.50	935.68	0.00	0.00
47.57		52.95	829.81	0.00	0.00
50.00		50.06	409.84	0.00	0.00
54.67		97.71	776.82	0.00	0.00
55.00		6.87	54.36	0.00	0.00
60.00		105.85	814.87	0.00	0.00
65.00		106.74	798.55	0.00	0.00
70.00		181.78	782.24	0.00	0.00
74.67		169.07	715.88	0.00	0.00
75.00		11.82	50.05	0.00	0.00
76.52		54.39	229.11	0.00	0.00
80.00		126.58	828.48	0.00	0.00
81.00		36.07	235.21	0.00	0.00
81.19		6.72	43.78	0.00	0.00
85.00		137.70	483.15	0.00	0.00
86.00		35.80	125.44	0.00	0.00
90.00		143.26	496.55	0.00	0.00
94.67		165.97	569.16	0.00	0.00
95.00		11.59	39.79	0.00	0.00
100.00		175.67	595.90	0.00	0.00
102.00		71.27	234.71	0.00	0.00
102.67		23.75	78.16	0.00	0.00
105.00		82.10	269.98	0.00	0.00
110.00		169.70	569.80	0.00	0.00
110.91		30.27	101.74	0.00	0.00
114.50	(9) attachments	221.36	957.21	0.00	0.00
114.80		9.89	48.41	0.00	0.00
115.00		6.77	19.04	0.00	0.00
117.00	(28) attachments	803.98	2001.86	0.00	0.00
118.00		33.05	78.95	0.00	0.00
120.00		65.83	156.73	0.00	0.00
125.00		157.94	384.98	0.00	0.00
130.00		154.68	375.19	0.00	0.00
135.00		151.27	365.41	0.00	0.00

Total Applied Force Summary

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II
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137.00	(21) attachments	941.97	3002.72	0.00	0.00
140.00		88.01	167.68	0.00	0.00
145.00		144.00	271.63	0.00	0.00
147.00	(24) attachments	721.91	2233.11	0.00	0.00
150.00		83.47	147.35	0.00	0.00
155.00		100.80	295.14	0.00	0.00
158.00	(3) attachments	299.67	326.49	0.00	0.00
160.00	(18) attachments	438.15	1368.76	0.00	0.00
162.00		13.93	99.22	0.00	0.00
	Totals:	7,366.18	32,350.25	0.00	0.00

Linear Appurtenance Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 1.0D + 1.0W 60 mph Wind	Iterations 26
Dead Load Factor 1.00	
Wind Load Factor 1.00	

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.152	1.157	6.129	0.00	41.60
5.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.152	1.157	6.129	0.00	5.50
5.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.152	1.157	6.129	0.00	0.00
10.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.155	1.166	6.129	0.00	41.60
10.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.155	1.166	6.129	0.00	5.50
10.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.155	1.166	6.129	0.00	0.00
15.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.159	1.176	6.129	0.00	41.60
15.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.159	1.176	6.129	0.00	5.50
15.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.159	1.176	6.129	0.00	0.00
16.67	1 5/8" Coax	Yes	1.67	0.000	5.94	0.83	0.00	0.161	1.183	6.129	0.00	13.89
16.67	1 5/8" Fiber	Yes	1.67	0.000	0.00	0.00	0.00	0.161	1.183	6.129	0.00	1.84
16.67	Reinforcing plate	Yes	1.67	0.000	1.25	0.17	0.00	0.161	1.183	6.129	0.00	0.00
18.50	1 5/8" Coax	Yes	1.83	0.000	5.94	0.91	0.00	0.162	1.187	6.129	0.00	15.23
18.50	1 5/8" Fiber	Yes	1.83	0.000	0.00	0.00	0.00	0.162	1.187	6.129	0.00	2.01
18.50	Reinforcing plate	Yes	1.83	0.000	1.25	0.19	0.00	0.162	1.187	6.129	0.00	0.00
20.00	1 5/8" Coax	Yes	1.50	0.000	5.94	0.74	0.00	0.164	1.191	6.129	0.00	12.48
20.00	1 5/8" Fiber	Yes	1.50	0.000	0.00	0.00	0.00	0.164	1.191	6.129	0.00	1.65
20.00	Reinforcing plate	Yes	1.50	0.000	1.25	0.16	0.00	0.164	1.191	6.129	0.00	0.00
25.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.166	1.198	6.129	0.00	41.60
25.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.166	1.198	6.129	0.00	5.50
25.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.166	1.198	6.129	0.00	0.00
30.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.170	1.210	6.134	0.00	41.60
30.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.170	1.210	6.134	0.00	5.50
30.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.170	1.210	6.134	0.00	0.00
34.67	1 5/8" Coax	Yes	4.67	0.000	5.94	2.31	0.00	0.174	1.221	6.393	0.00	38.85
34.67	1 5/8" Fiber	Yes	4.67	0.000	0.00	0.00	0.00	0.174	1.221	6.393	0.00	5.14
34.67	Reinforcing plate	Yes	4.67	0.000	1.25	0.49	0.00	0.174	1.221	6.393	0.00	0.00
35.00	1 5/8" Coax	Yes	0.33	0.000	5.94	0.16	0.00	0.176	1.228	6.410	0.00	2.75
35.00	1 5/8" Fiber	Yes	0.33	0.000	0.00	0.00	0.00	0.176	1.228	6.410	0.00	0.36
35.00	Reinforcing plate	Yes	0.33	0.000	1.25	0.03	0.00	0.176	1.228	6.410	0.00	0.00
40.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.178	1.234	6.659	0.00	41.60
40.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.178	1.234	6.659	0.00	5.50
40.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.178	1.234	6.659	0.00	0.00
42.14	1 5/8" Coax	Yes	2.14	0.000	5.94	1.06	0.00	0.181	1.244	6.759	0.00	17.78
42.14	1 5/8" Fiber	Yes	2.14	0.000	0.00	0.00	0.00	0.181	1.244	6.759	0.00	2.35
42.14	Reinforcing plate	Yes	2.14	0.000	1.25	0.22	0.00	0.181	1.244	6.759	0.00	0.00
45.00	1 5/8" Coax	Yes	2.86	0.000	5.94	1.42	0.00	0.184	1.251	6.887	0.00	23.82
45.00	1 5/8" Fiber	Yes	2.86	0.000	0.00	0.00	0.00	0.184	1.251	6.887	0.00	3.15
45.00	Reinforcing plate	Yes	2.86	0.000	1.25	0.30	0.00	0.184	1.251	6.887	0.00	0.00
47.57	1 5/8" Coax	Yes	2.57	0.000	5.94	1.27	0.00	0.186	1.258	6.997	0.00	21.38
47.57	1 5/8" Fiber	Yes	2.57	0.000	0.00	0.00	0.00	0.186	1.258	6.997	0.00	2.83
47.57	Reinforcing plate	Yes	2.57	0.000	1.25	0.27	0.00	0.186	1.258	6.997	0.00	0.00
50.00	1 5/8" Coax	Yes	2.43	0.000	5.94	1.20	0.00	0.185	1.256	7.098	0.00	20.22
50.00	1 5/8" Fiber	Yes	2.43	0.000	0.00	0.00	0.00	0.185	1.256	7.098	0.00	2.67
50.00	Reinforcing plate	Yes	2.43	0.000	1.25	0.25	0.00	0.185	1.256	7.098	0.00	0.00
54.67	1 5/8" Coax	Yes	4.67	0.000	5.94	2.31	0.00	0.189	1.266	7.281	0.00	38.85
54.67	1 5/8" Fiber	Yes	4.67	0.000	0.00	0.00	0.00	0.189	1.266	7.281	0.00	5.14

Linear Appurtenance Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 1.0D + 1.0W 60 mph Wind	Iterations 26
Dead Load Factor 1.00	
Wind Load Factor 1.00	

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
54.67	Reinforcing plate	Yes	4.67	0.000	1.25	0.49	0.00	0.189	1.266	7.281	0.00	0.00
55.00	1 5/8" Coax	Yes	0.33	0.000	5.94	0.16	0.00	0.191	1.274	7.294	0.00	2.75
55.00	1 5/8" Fiber	Yes	0.33	0.000	0.00	0.00	0.00	0.191	1.274	7.294	0.00	0.36
55.00	Reinforcing plate	Yes	0.33	0.000	1.25	0.03	0.00	0.191	1.274	7.294	0.00	0.00
60.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.194	1.282	7.477	0.00	41.60
60.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.194	1.282	7.477	0.00	5.50
60.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.194	1.282	7.477	0.00	0.00
65.00	1 5/8" Coax	Yes	5.00	0.000	5.94	2.48	0.00	0.199	1.298	7.650	0.00	41.60
65.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.199	1.298	7.650	0.00	5.50
65.00	Reinforcing plate	Yes	5.00	0.000	1.25	0.52	0.00	0.199	1.298	7.650	0.00	0.00
70.00	1 5/8" Coax	Yes	5.00	1.200	5.94	2.48	2.97	0.205	0.000	7.814	25.53	41.60
70.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.205	0.000	7.814	0.00	5.50
70.00	Reinforcing plate	Yes	5.00	1.200	1.25	0.52	0.63	0.205	0.000	7.814	5.37	0.00
74.67	1 5/8" Coax	Yes	4.67	1.200	5.94	2.31	2.77	0.210	0.000	7.959	24.29	38.85
74.67	1 5/8" Fiber	Yes	4.67	0.000	0.00	0.00	0.00	0.210	0.000	7.959	0.00	5.14
74.67	Reinforcing plate	Yes	4.67	1.200	1.25	0.49	0.58	0.210	0.000	7.959	5.11	0.00
75.00	1 5/8" Coax	Yes	0.33	1.200	5.94	0.16	0.20	0.214	0.000	7.969	1.72	2.75
75.00	1 5/8" Fiber	Yes	0.33	0.000	0.00	0.00	0.00	0.214	0.000	7.969	0.00	0.36
75.00	Reinforcing plate	Yes	0.33	1.200	1.25	0.03	0.04	0.214	0.000	7.969	0.36	0.00
76.52	1 5/8" Coax	Yes	1.52	1.200	5.94	0.75	0.90	0.215	0.000	8.015	7.94	12.62
76.52	1 5/8" Fiber	Yes	1.52	0.000	0.00	0.00	0.00	0.215	0.000	8.015	0.00	1.67
76.52	Reinforcing plate	Yes	1.52	1.200	1.25	0.16	0.19	0.215	0.000	8.015	1.67	0.00
80.00	1 5/8" Coax	Yes	3.48	1.200	5.94	1.72	2.07	0.218	0.000	8.118	18.48	28.98
80.00	1 5/8" Fiber	Yes	3.48	0.000	0.00	0.00	0.00	0.218	0.000	8.118	0.00	3.83
80.00	Reinforcing plate	Yes	3.48	1.200	1.25	0.36	0.44	0.218	0.000	8.118	3.89	0.00
81.00	1 5/8" Coax	Yes	1.00	1.200	5.94	0.50	0.59	0.221	0.000	8.147	5.32	8.32
81.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.221	0.000	8.147	0.00	1.10
81.00	Reinforcing plate	Yes	1.00	1.200	1.25	0.10	0.13	0.221	0.000	8.147	1.12	0.00
81.19	1 5/8" Coax	Yes	0.19	1.200	5.94	0.09	0.11	0.222	0.000	8.152	0.99	1.55
81.19	1 5/8" Fiber	Yes	0.19	0.000	0.00	0.00	0.00	0.222	0.000	8.152	0.00	0.21
81.19	Reinforcing plate	Yes	0.19	1.200	1.25	0.02	0.02	0.222	0.000	8.152	0.21	0.00
85.00	1 5/8" Coax	Yes	3.81	1.200	5.94	1.89	2.27	0.221	0.000	8.260	20.58	31.73
85.00	1 5/8" Fiber	Yes	3.81	0.000	0.00	0.00	0.00	0.221	0.000	8.260	0.00	4.19
85.00	Reinforcing plate	Yes	3.81	1.200	1.25	0.40	0.48	0.221	0.000	8.260	4.33	0.00
86.00	1 5/8" Coax	Yes	1.00	1.200	5.94	0.50	0.59	0.224	0.000	8.287	5.41	8.32
86.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.224	0.000	8.287	0.00	1.10
86.00	Reinforcing plate	Yes	1.00	1.200	1.25	0.10	0.13	0.224	0.000	8.287	1.14	0.00
90.00	1 5/8" Coax	Yes	4.00	1.200	5.94	1.98	2.38	0.228	0.000	8.396	21.94	33.28
90.00	1 5/8" Fiber	Yes	4.00	0.000	0.00	0.00	0.00	0.228	0.000	8.396	0.00	4.40
90.00	Reinforcing plate	Yes	4.00	1.200	1.25	0.42	0.50	0.228	0.000	8.396	4.62	0.00
94.67	1 5/8" Coax	Yes	4.67	1.200	5.94	2.31	2.77	0.234	0.000	8.518	25.99	38.85
94.67	1 5/8" Fiber	Yes	4.67	0.000	0.00	0.00	0.00	0.234	0.000	8.518	0.00	5.14
94.67	Reinforcing plate	Yes	4.67	1.200	1.25	0.49	0.58	0.234	0.000	8.518	5.47	0.00
95.00	1 5/8" Coax	Yes	0.33	1.200	5.94	0.16	0.20	0.238	0.000	8.526	1.84	2.75
95.00	1 5/8" Fiber	Yes	0.33	0.000	0.00	0.00	0.00	0.238	0.000	8.526	0.00	0.36
95.00	Reinforcing plate	Yes	0.33	1.200	1.25	0.03	0.04	0.238	0.000	8.526	0.39	0.00
100.00	1 5/8" Coax	Yes	5.00	1.200	5.94	2.48	2.97	0.242	0.000	8.652	28.27	41.60

Linear Appurtenance Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 1.0D + 1.0W 60 mph Wind	Iterations 26
Dead Load Factor 1.00	
Wind Load Factor 1.00	

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
100.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.242	0.000	8.652	0.00	5.50
100.00	Reinforcing plate	Yes	5.00	1.200	1.25	0.52	0.63	0.242	0.000	8.652	5.95	0.00
102.00	1 5/8" Coax	Yes	2.00	1.200	5.94	0.99	1.19	0.282	0.000	8.701	11.37	16.64
102.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.282	0.000	8.701	0.00	2.20
102.00	Reinforcing plate	Yes	2.00	1.200	1.00	0.17	0.20	0.282	0.000	8.701	1.91	0.00
102.00	Reinforcing plate	Yes	2.00	1.200	1.25	0.21	0.25	0.282	0.000	8.701	2.39	0.00
102.67	1 5/8" Coax	Yes	0.67	1.200	5.94	0.33	0.40	0.285	0.000	8.718	3.82	5.57
102.67	1 5/8" Fiber	Yes	0.67	0.000	0.00	0.00	0.00	0.285	0.000	8.718	0.00	0.74
102.67	Reinforcing plate	Yes	0.67	1.200	1.00	0.06	0.07	0.285	0.000	8.718	0.64	0.00
102.67	Reinforcing plate	Yes	0.67	1.200	1.25	0.07	0.08	0.285	0.000	8.718	0.80	0.00
105.00	1 5/8" Coax	Yes	2.33	1.200	5.94	1.15	1.38	0.282	0.000	8.774	13.36	19.39
105.00	1 5/8" Fiber	Yes	2.33	0.000	0.00	0.00	0.00	0.282	0.000	8.774	0.00	2.56
105.00	Reinforcing plate	Yes	2.33	1.200	1.00	0.19	0.23	0.282	0.000	8.774	2.25	0.00
105.00	Reinforcing plate	Yes	2.03	1.200	1.25	0.21	0.25	0.282	0.000	8.774	2.45	0.00
110.00	1 5/8" Coax	Yes	5.00	1.200	5.94	2.48	2.97	0.250	0.000	8.891	29.05	41.60
110.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.250	0.000	8.891	0.00	5.50
110.00	Reinforcing plate	Yes	5.00	1.200	1.00	0.42	0.50	0.250	0.000	8.891	4.89	0.00
110.91	1 5/8" Coax	Yes	0.91	1.200	5.94	0.45	0.54	0.255	0.000	8.912	5.27	7.53
110.91	1 5/8" Fiber	Yes	0.91	0.000	0.00	0.00	0.00	0.255	0.000	8.912	0.00	1.00
110.91	Reinforcing plate	Yes	0.91	1.200	1.00	0.08	0.09	0.255	0.000	8.912	0.89	0.00
114.50	1 5/8" Coax	Yes	3.59	1.200	5.94	1.78	2.14	0.260	0.000	8.993	21.13	29.91
114.50	1 5/8" Fiber	Yes	3.59	0.000	0.00	0.00	0.00	0.260	0.000	8.993	0.00	3.95
114.50	Reinforcing plate	Yes	3.59	1.200	1.00	0.30	0.36	0.260	0.000	8.993	3.56	0.00
114.80	1 5/8" Coax	Yes	0.30	1.200	5.94	0.15	0.18	0.263	0.000	9.000	1.74	2.47
114.80	1 5/8" Fiber	Yes	0.30	0.000	0.00	0.00	0.00	0.263	0.000	9.000	0.00	0.33
114.80	Reinforcing plate	Yes	0.30	1.200	1.00	0.02	0.03	0.263	0.000	9.000	0.29	0.00
115.00	1 5/8" Coax	Yes	0.20	1.200	5.94	0.10	0.12	0.260	0.000	9.005	1.20	1.69
115.00	1 5/8" Fiber	Yes	0.20	0.000	0.00	0.00	0.00	0.260	0.000	9.005	0.00	0.22
115.00	Reinforcing plate	Yes	0.20	1.200	1.00	0.02	0.02	0.260	0.000	9.005	0.20	0.00
117.00	1 5/8" Coax	Yes	2.00	1.200	5.94	0.99	1.19	0.262	0.000	9.049	11.83	16.64
117.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.262	0.000	9.049	0.00	2.20
117.00	Reinforcing plate	Yes	2.00	1.200	1.00	0.17	0.20	0.262	0.000	9.049	1.99	0.00
118.00	1 5/8" Coax	Yes	1.00	1.200	5.94	0.50	0.59	0.265	0.000	9.071	5.93	8.32
118.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.265	0.000	9.071	0.00	1.10
118.00	Reinforcing plate	Yes	1.00	1.200	1.00	0.08	0.10	0.265	0.000	9.071	1.00	0.00
120.00	1 5/8" Coax	Yes	2.00	1.200	5.94	0.99	1.19	0.268	0.000	9.115	11.91	16.64
120.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.268	0.000	9.115	0.00	2.20
120.00	Reinforcing plate	Yes	2.00	1.200	1.00	0.17	0.20	0.268	0.000	9.115	2.01	0.00
125.00	1 5/8" Coax	Yes	5.00	1.200	5.94	2.48	2.97	0.236	0.000	9.222	30.13	41.60
125.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.236	0.000	9.222	0.00	5.50
130.00	1 5/8" Coax	Yes	5.00	1.200	5.94	2.48	2.97	0.245	0.000	9.326	30.47	41.60
130.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.245	0.000	9.326	0.00	5.50
135.00	1 5/8" Coax	Yes	5.00	1.200	5.94	2.48	2.97	0.256	0.000	9.427	30.80	41.60
135.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.256	0.000	9.427	0.00	5.50
137.00	1 5/8" Coax	Yes	2.00	1.200	5.94	0.99	1.19	0.263	0.000	9.466	12.37	16.64
137.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.263	0.000	9.466	0.00	2.20
140.00	1 5/8" Coax	Yes	3.00	1.200	5.94	1.49	1.78	0.269	0.000	9.525	18.67	24.96

Linear Appurtenance Segment Forces (Factored)

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 26

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
140.00	1 5/8" Fiber	Yes	3.00	0.000	0.00	0.00	0.00	0.269	0.000	9.525	0.00	3.30
145.00	1 5/8" Coax	Yes	5.00	1.200	5.94	2.48	2.97	0.279	0.000	9.621	31.43	41.60
145.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.279	0.000	9.621	0.00	5.50
147.00	1 5/8" Coax	Yes	2.00	1.200	5.94	0.99	1.19	0.289	0.000	9.659	12.62	16.64
147.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.289	0.000	9.659	0.00	2.20
150.00	1 5/8" Coax	Yes	3.00	1.200	5.94	1.49	1.78	0.296	0.000	9.715	19.04	24.96
150.00	1 5/8" Fiber	Yes	3.00	0.000	0.00	0.00	0.00	0.296	0.000	9.715	0.00	3.30
155.00	1 5/8" Coax	Yes	5.00	1.200	5.94	2.48	2.97	0.466	0.000	9.806	32.04	41.60
155.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.466	0.000	9.806	0.00	5.50
158.00	1 5/8" Coax	Yes	3.00	1.200	5.94	1.49	1.78	0.466	0.000	9.860	19.33	24.96
158.00	1 5/8" Fiber	Yes	3.00	0.000	0.00	0.00	0.00	0.466	0.000	9.860	0.00	3.30
160.00	1 5/8" Coax	Yes	2.00	1.200	5.94	0.99	1.19	0.466	0.000	9.896	12.93	16.64
160.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.466	0.000	9.896	0.00	2.20
Totals:											619.6	1,507.2

Calculated Forces

Structure: CT02694-B-SBA
Site Name: E-Prospect
Height: 162.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1

Topography: 1

Code: EIA/TIA-222-G
Exposure: B
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

9/20/2021
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Load Case: 1.0D + 1.0W 60 mph Wind

Iterations 26

Dead Load Factor 1.00
Wind Load Factor 1.00



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-32.35	-7.38	0.00	-831.70	0.00	831.70	3849.02	1924.51	7372.73	3691.85	0.00	0.000	0.000	0.171
5.00	-31.20	-7.31	0.00	-794.79	0.00	794.79	3795.37	1897.68	7118.03	3564.30	0.03	-0.056	0.000	0.169
10.00	-30.08	-7.24	0.00	-758.24	0.00	758.24	3740.61	1870.30	6865.59	3437.90	0.12	-0.112	0.000	0.166
15.00	-28.97	-7.16	0.00	-722.03	0.00	722.03	3684.74	1842.37	6615.55	3312.69	0.27	-0.169	0.000	0.163
16.67	-28.61	-7.14	0.00	-710.07	0.00	710.07	3665.83	1832.91	6532.59	3271.15	0.33	-0.189	0.000	0.121
18.50	-28.21	-7.11	0.00	-697.01	0.00	697.01	3644.97	1822.48	6442.01	3225.79	0.40	-0.205	0.000	0.152
20.00	-27.88	-7.10	0.00	-686.35	0.00	686.35	3627.76	1813.88	6368.03	3188.75	0.47	-0.221	0.000	0.151
25.00	-26.82	-7.02	0.00	-650.88	0.00	650.88	3569.68	1784.84	6123.18	3066.14	0.73	-0.276	0.000	0.148
30.00	-25.77	-6.95	0.00	-615.77	0.00	615.77	3510.49	1755.24	5881.13	2944.94	1.05	-0.331	0.000	0.145
34.67	-24.81	-6.86	0.00	-583.33	0.00	583.33	3454.20	1727.10	5657.69	2833.05	1.40	-0.383	0.000	0.143
35.00	-24.74	-6.87	0.00	-581.06	0.00	581.06	3450.19	1725.09	5642.00	2825.20	1.43	-0.387	0.000	0.143
40.00	-23.74	-6.78	0.00	-546.72	0.00	546.72	3388.79	1694.39	5405.94	2706.99	1.86	-0.444	0.000	0.139
42.14	-23.31	-6.75	0.00	-532.23	0.00	532.23	3362.21	1681.10	5306.03	2656.96	2.07	-0.468	0.000	0.137
45.00	-22.37	-6.69	0.00	-512.92	0.00	512.92	3326.27	1663.14	5173.07	2590.38	2.36	-0.501	0.000	0.134
47.57	-21.54	-6.64	0.00	-495.72	0.00	495.72	2638.80	1319.40	4131.44	2068.79	2.64	-0.531	0.000	0.141
50.00	-21.13	-6.60	0.00	-479.58	0.00	479.58	2616.75	1308.38	4046.02	2026.02	2.91	-0.558	0.000	0.151
54.67	-20.35	-6.51	0.00	-448.74	0.00	448.74	2573.65	1286.82	3883.14	1944.46	3.49	-0.615	0.000	0.151
55.00	-20.29	-6.51	0.00	-446.60	0.00	446.60	2570.56	1285.28	3871.70	1938.73	3.53	-0.619	0.000	0.150
60.00	-19.47	-6.42	0.00	-414.03	0.00	414.03	2523.27	1261.63	3699.46	1852.48	4.21	-0.682	0.000	0.144
65.00	-18.67	-6.32	0.00	-381.94	0.00	381.94	2474.87	1237.43	3529.43	1767.34	4.96	-0.744	0.000	0.138
70.00	-17.88	-6.15	0.00	-350.32	0.00	350.32	2425.36	1212.68	3361.74	1683.37	5.77	-0.805	0.000	0.131
74.67	-17.16	-5.98	0.00	-321.61	0.00	321.61	2378.12	1189.06	3207.34	1606.06	6.59	-0.861	0.000	0.128
75.00	-17.11	-5.97	0.00	-319.64	0.00	319.64	2374.74	1187.37	3196.52	1600.63	6.65	-0.865	0.000	0.127
76.52	-16.88	-5.92	0.00	-310.59	0.00	310.59	2359.17	1179.58	3146.91	1575.79	6.93	-0.884	0.000	0.125
80.00	-16.05	-5.79	0.00	-289.97	0.00	289.97	2323.02	1161.51	3033.91	1519.21	7.59	-0.926	0.000	0.119
81.00	-15.82	-5.75	0.00	-284.18	0.00	284.18	2312.54	1156.27	3001.71	1503.09	7.78	-0.938	0.000	0.095
81.19	-15.77	-5.75	0.00	-283.10	0.00	283.10	1750.09	875.04	2314.24	1158.84	7.82	-0.940	0.000	0.104
85.00	-15.29	-5.61	0.00	-261.19	0.00	261.19	1723.72	861.86	2226.75	1115.03	8.59	-0.976	0.000	0.106
86.00	-15.16	-5.58	0.00	-255.58	0.00	255.58	1716.70	858.35	2203.94	1103.61	8.79	-0.987	0.000	0.132
90.00	-14.66	-5.44	0.00	-233.27	0.00	233.27	1688.18	844.09	2113.26	1058.20	9.64	-1.037	0.000	0.124
94.67	-14.09	-5.27	0.00	-207.86	0.00	207.86	1653.98	826.99	2008.61	1005.80	10.68	-1.092	0.000	0.120
95.00	-14.05	-5.27	0.00	-206.12	0.00	206.12	1651.53	825.76	2001.27	1002.12	10.76	-1.096	0.000	0.120
100.00	-13.45	-5.09	0.00	-179.79	0.00	179.79	1613.77	806.88	1890.91	946.86	11.94	-1.156	0.000	0.109
102.00	-13.22	-5.02	0.00	-169.62	0.00	169.62	1598.36	799.18	1847.26	925.00	12.43	-1.179	0.000	0.071
102.67	-13.14	-4.99	0.00	-166.26	0.00	166.26	1593.15	796.58	1832.70	917.71	12.59	-1.185	0.000	0.101
105.00	-12.87	-4.91	0.00	-154.62	0.00	154.62	1574.90	787.45	1782.33	892.49	13.18	-1.210	0.000	0.096
110.00	-12.30	-4.74	0.00	-130.05	0.00	130.05	1534.93	767.47	1675.65	839.07	14.47	-1.261	0.000	0.084
110.91	-12.20	-4.71	0.00	-125.76	0.00	125.76	1527.58	763.79	1656.56	829.51	14.71	-1.270	0.000	0.082
114.50	-11.24	-4.47	0.00	-108.82	0.00	108.82	1498.01	749.01	1581.38	791.86	15.68	-1.303	0.000	0.073
114.80	-11.20	-4.46	0.00	-107.49	0.00	107.49	1034.66	517.33	1111.16	556.41	15.76	-1.306	0.000	0.081
115.00	-11.18	-4.46	0.00	-106.59	0.00	106.59	1033.71	516.86	1108.46	555.05	15.82	-1.307	0.000	0.089
117.00	-9.19	-3.61	0.00	-97.67	0.00	97.67	1024.27	512.13	1081.93	541.77	16.37	-1.327	0.000	0.083
118.00	-9.11	-3.58	0.00	-94.06	0.00	94.06	1019.48	509.74	1068.72	535.15	16.65	-1.336	0.000	0.080
118.00	-9.11	-3.58	0.00	-94.06	0.00	94.06	1019.48	509.74	1068.72	535.15	16.65	-1.336	0.000	0.080
120.00	-8.95	-3.52	0.00	-86.91	0.00	86.91	1009.78	504.89	1042.37	521.96	17.21	-1.354	0.000	0.175
125.00	-8.57	-3.36	0.00	-69.33	0.00	69.33	984.73	492.37	977.10	489.28	18.68	-1.447	0.000	0.150
130.00	-8.19	-3.21	0.00	-52.53	0.00	52.53	958.58	479.29	912.78	457.07	20.24	-1.529	0.000	0.124
135.00	-7.83	-3.05	0.00	-36.49	0.00	36.49	931.33	465.66	849.55	425.40	21.88	-1.597	0.000	0.094

Calculated Forces

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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137.00	-4.85	-2.03	0.00	-30.38	0.00	30.38	920.11	460.06	824.58	412.91	22.56	-1.620	0.000	0.079
140.00	-4.69	-1.94	0.00	-24.30	0.00	24.30	902.96	451.48	787.53	394.35	23.58	-1.650	0.000	0.067
145.00	-4.42	-1.79	0.00	-14.60	0.00	14.60	873.49	436.75	726.86	363.97	25.33	-1.688	0.000	0.045
147.00	-2.21	-1.00	0.00	-11.02	0.00	11.02	861.39	430.70	703.00	352.02	26.04	-1.700	0.000	0.034
150.00	-2.06	-0.91	0.00	-8.02	0.00	8.02	842.91	421.46	667.67	334.33	27.12	-1.713	0.000	0.026
150.00	-2.06	-0.91	0.00	-8.02	0.00	8.02	656.05	328.03	328.13	215.42	27.12	-1.713	0.000	0.040
155.00	-1.77	-0.81	0.00	-3.44	0.00	3.44	656.05	328.03	328.13	215.42	28.92	-1.728	0.000	0.019
158.00	-1.45	-0.50	0.00	-1.03	0.00	1.03	656.05	328.03	328.13	215.42	30.01	-1.735	0.000	0.007
160.00	-0.10	-0.02	0.00	-0.03	0.00	0.03	656.05	328.03	328.13	215.42	30.73	-1.736	0.000	0.000
162.00	0.00	-0.01	0.00	0.00	0.00	0.00	656.05	328.03	328.13	215.42	31.46	-1.736	0.000	0.000

Final Analysis Summary

Structure: CT02694-B-SBA	Code: EIA/TIA-222-G	9/20/2021
Site Name: E-Prospect	Exposure: B	
Height: 162.00 (ft)	Crest Height: 0.00	
Base Elev: 0.000 (ft)	Site Class: D - Stiff Soil	
Gh: 1.1	Topography: 1	Struct Class: II



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Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.6W 97 mph Wind	30.1	0.00	38.76	0.00	0.00	3401.18
0.9D + 1.6W 97 mph Wind	30.1	0.00	29.05	0.00	0.00	3362.58
1.2D + 1.0Di + 1.0Wi 50 mph Wind	7.6	0.00	64.68	0.00	0.00	857.37
1.2D + 1.0E	1.3	0.00	38.82	0.00	0.00	157.72
0.9D + 1.0E	1.3	0.00	29.12	0.00	0.00	155.74
1.0D + 1.0W 60 mph Wind	7.4	0.00	32.35	0.00	0.00	831.70

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.6W 97 mph Wind	-9.45	-14.42	0.00	-357.36	0.00	-357.36	1009.78	504.89	1042.37	521.96	120.00	0.695
0.9D + 1.6W 97 mph Wind	-6.77	-14.14	0.00	-349.74	0.00	-349.74	1009.78	504.89	1042.37	521.96	120.00	0.678
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-21.72	-3.75	0.00	-94.37	0.00	-94.37	1009.78	504.89	1042.37	521.96	120.00	0.202
1.2D + 1.0E	-10.84	-0.94	0.00	-29.27	0.00	-29.27	1009.78	504.89	1042.37	521.96	120.00	0.067
0.9D + 1.0E	-8.13	-0.92	0.00	-28.82	0.00	-28.82	1009.78	504.89	1042.37	521.96	120.00	0.063
1.0D + 1.0W 60 mph Wind	-8.95	-3.52	0.00	-86.91	0.00	-86.91	1009.78	504.89	1042.37	521.96	120.00	0.175

Additional Steel Summary

Elev From (ft)	Elev To (ft)	Member	Intermediate Connectors			Lower Termination				Upper Termination				Max Member			
			VQ/I (lb/in)	Vu (kips)	phi Vn (kips)	MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	Pu (kips)	phi Pn (kips)	phi Tn (kips)	Ratio
0.0	18.5	(3) PLT-6.5x1.25(1.25 Hole)	-294.4	-5.30	37.1	365.2	37.1	10	12	265.4	37.1	8	12	365.23	448.0	389.06	0.939
16.7	34.7	(3) PLT-6"x1-1/4"(1.25" Hole)	302.0	5.44	37.1	259.8	37.1	7	11	308.8	37.1			324.92	413.6	351.56	0.924
34.7	54.7	(3) PLT-5.75x1.25(1.25 Hole)	358.5	6.45	37.1	300.2	37.1			297.6	37.1			305.77	396.3	332.81	0.919
54.7	74.7	(3) PLT-5.25"x1 1/4"(1.25"ho	373.1	6.72	37.1	281.4	37.1			241.9	37.1			281.42	361.9	295.31	0.953
74.7	94.7	(3) PLT-5"x1-1/4"(1.25"Hole)	430.0	7.74	37.1	234.9	37.1			204.0	37.1			234.86	344.6	276.56	0.849
81.0	86.0	(3) PLT-C6x13 (1.25" hole)	-214.8	-5.15	25.3	116.7	25.3	5	8	118.5	25.3	5	8	119.99	165.9	160.09	0.750
94.7	102.7	(3) PLT-4.5"x 1-1/4"(1.25"ho	430.0	7.74	37.1	192.8	37.1			113.2	37.1	4	8	192.80	310.2	239.06	0.806
102.0	118.0	(3) LNP-LP6X100-G-20TT	494.3	11.86	25.3	121.3	25.3	5	8	129.1	25.3	6	8	172.99	297.8	288.75	0.599



Pier Foundation Design For Monopole			Date
			9/20/2021
Customer Name:	Verizon	EIA/TIA Standard:	EIA-222-G
Site Name:		Structure Height (Ft.):	162
Site Number:	CT02694-B-SBA	Engineer Name:	M. Franco
Engr. Number:	115717	Engineer Login ID:	

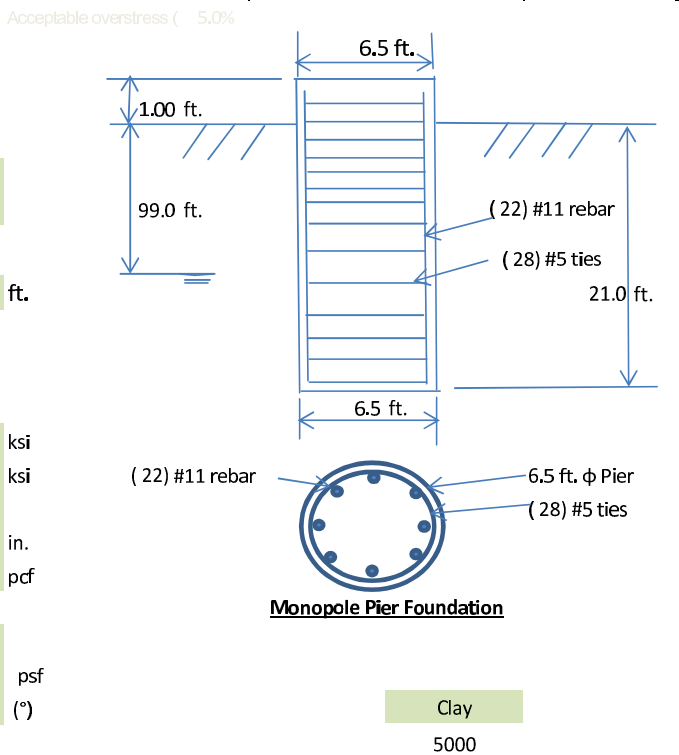
Foundation Info Obtained from: Drawings/Calculations
Structure Type: Monopole
Analysis or Design? Analysis

Base Reactions (Factored):
 Axial Load (Kips): 38.8 Shear Force (Kips): 30.1
 Uplift Force (Kips): 0.0 Moment (Kips-ft): 3401.2

Foundation Geometries:
 Diameter of Pier (ft.): 6.5 Depth of Base B. G. S. : 21.0 ft.
 Pier Height A. G. (ft.): 1.00

Material Properties and Rebar Info:
 Concrete Strength (psi): 4000 Steel Elastic Modulus: 29000 ksi
 Vertical bar yield (ksi): 60 Tie steel yield strength: 60 ksi
 Vertical Rebar Size #: 11 Tie / Stirrup Size #: 5
 Qty. of Vertical Rebars: 22 Tie Spacing: 12.0 in.
 Concrete Cover (in.): 3 Concrete unit weight: 150.0 pcf

Soil Design Parameters:
 Water Table B.G.S. (ft): 99.0 Unit weight of water: 62.4 psf
 Ratio of Uplift/Axial Skin Friction: 1.0 Pullout failure Angle: 30 (°)
 Skin Frictions are to be obtained from: Soil Report



Depth of Layers (ft)		γ_{soil} (pcf)	ϕ (°)	Cohesion (psf)	Ultimate Skin Friction (psf)	Ultimate Bearing (psf)	Soil Types					
Top	Bottom											
0.0	3.0	110	20	0	0	0						
3.0	35.0	135	38	0	800	40000						
35.0	40.0	135	38	0	800	40000						

Soil weight Increase Factor for bouyant soils (1.0 to 1.15): 1.1

Foundation Analysis and Design:

Uplift Strength Reduction Factor:	0.75	Soil Bearing Strength Reduction Factor:	0.75
Total Dry Soil Volume from Conical Failure (cu. Ft.):	5799	Dry Soil Weight from Conical Failure:	772 Kips
Total Buoyant Soil Volume from Conical Failure (cu. Ft.):	0	Buoyant Soil Weight from Conical Failure (Kips):	0 Kips
Total Dry Concrete Volume (cu. Ft.):	730	Total Dry Concrete Weight:	109.5 Kips
Total Buoyant Concrete Volume (cu. Ft.):	0.0	Total Buoyant Concrete Weight:	0.00 Kips
Total Effective Concrete Weight (Kips):	109.5	Total Effective Soil Weight:	772.0 Kips
Total Effective Vertical Load on Base (Kips):	55.5		

Check Soil Capacities:

Allowable Foundation Overturning Resistance (kips-ft.):
Factor of Safety of Passive Soil Resistance against Moment:

Design Factored Moment (kips-ft):
[Redacted]

Usage

Check the capacities of Reinforcing Concrete:

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

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

Reinforcing Concrete Pier:

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

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

Usage

in.



Maser Consulting Connecticut
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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 #: 10069395
Maser Consulting Connecticut Project #: 21777148A

July 1, 2021

Site Information

Site ID: 467879-VZW / PROSPECT E CT
Site Name: NE PROSPECT EAST
Carrier Name: Verizon Wireless
Address: 229 Cheshire Rd
Prospect, Connecticut 06712
New Haven County
Latitude: 41.507881°
Longitude: -72.951022°

Structure Information

Tower Type: 150-Ft Monopole
Mount Type: 13.42-Ft Platform

FUZE ID # 2485684

Analysis Results

Platform: 61.5% Pass

***Contractor PMI Requirements:

Included at the end of this MA report

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

Contractor - Please Review Specific Site PMI Requirements Upon Award

Requirements also Noted on Mount Modification Drawings

Requirements may also be Noted on A & E drawings

Report Prepared By: Lauren Luzier



Digitally signed by Derek Hartzell
Date: 2021.07.01 16:26:38-0700'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
<i>Radio Frequency Data Sheet (RFDS)</i>	<i>Verizon RFDS, Site ID: 675022, dated April 8, 2021</i>
<i>Mount Mapping Report</i>	<i>SGS Towers, Site ID: 467879, dated April 13, 2020</i>
<i>Previous Mount Analysis Report</i>	<i>Maser Consulting Connecticut Project #: 21777148A, dated May 5, 2021</i>
<i>Mount Modification Drawings</i>	<i>Maser Consulting Connecticut Project #: 21777148A, dated July 1, 2021</i>

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust),	118 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e :	0.982
Seismic Parameters:	S _s :	0.198
	S ₁ :	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, L _v :	250 lbs.
	Maintenance Live Load, L _m :	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

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

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:

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal		Pass
Bracing HSS		Pass
Corner Plate		Pass
Grating Support		Pass
Cross Arm Plate		Pass
Face Horizontal		Pass
Mount Pipe		Pass
Dual Antenna Mount Pipe		Pass
MOD Support Rail		Pass
MOD Corner Bracket		Pass
Mount Connection		Pass
Structure Rating – (Controlling Utilization of all Components)		61.5%

Recommendation:

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

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

Attachments:

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



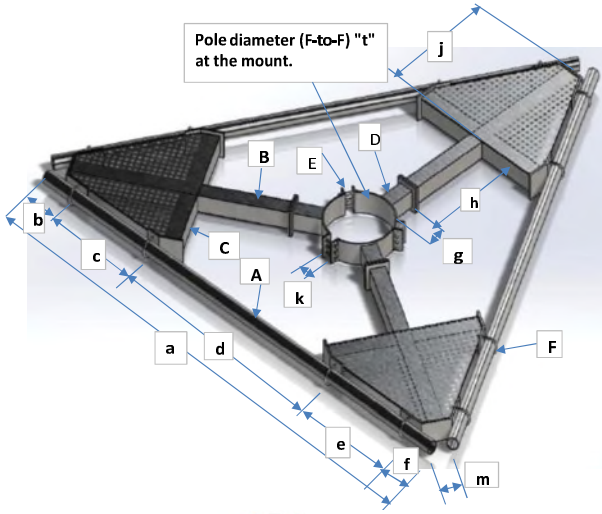


Antenna Mount Type "MT-C" Mapping Form (PATENT PENDING)

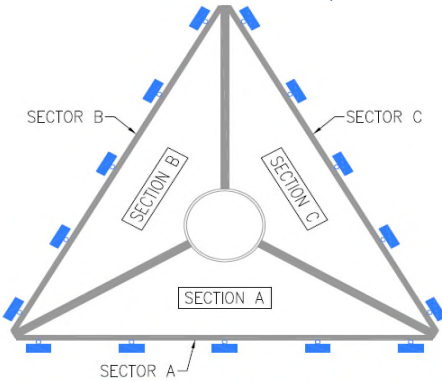
FCC #
Unknown

Tower Owner:	SBA	Mapping Date:	4/13/20
Site Name:	East Dorset	Structure Type:	Monopole
Site Number or ID:	467879	Structure Height (Ft.):	150
Mapping Contractor:	SGS Towers	Mount Height (Ft.):	138

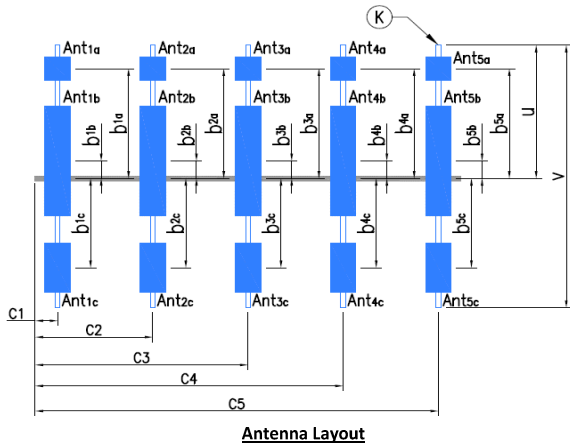
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Geometries (Unit: inches)									
a	161	e	47	j	48	o		s	
b	18	f	15	k	2.25	p		t	3.75
c	45	g		m	6	q		u*	36
d	36	h	15	n		r		v*	64
Members/Bolts (Unit: inches) * - See Ant. Layout for "u", "v" and member "K" (pipe)									
Items	Member	Lx (O.D.)	Ly (I.D.)	T	Items	Member	Lx (O.D.)	Ly (I.D.)	T
A	3.5 OD x 0.216 Pipe	3.5	3.068	0.216	F				
B	Tubing 4x4x1/4	4	4	0.25	G				
C	Tubing 4x4x1/4	4	4	0.25	H				
D					J				
E	3/4" Bolt				K* (pipe)	.375 OD x 0.218 Pip	2.375	1.939	0.218
Distance from top of main platform member to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.)									
Distance from top of main platform member to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.)									
Please enter the information below if members can't be found from the drop down lists									
"D" does not exist on this mount; "g" does not exist on this mount									
Pos 3 "K" pipe v=90 u=48									



Climbing facility is Located at Section C, at 160 Degree Azimuth

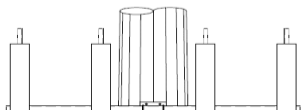


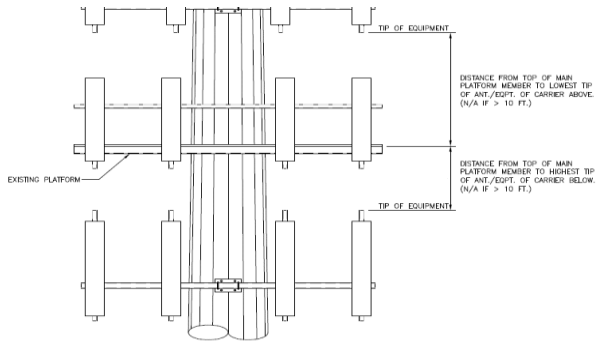
Antenna Layout

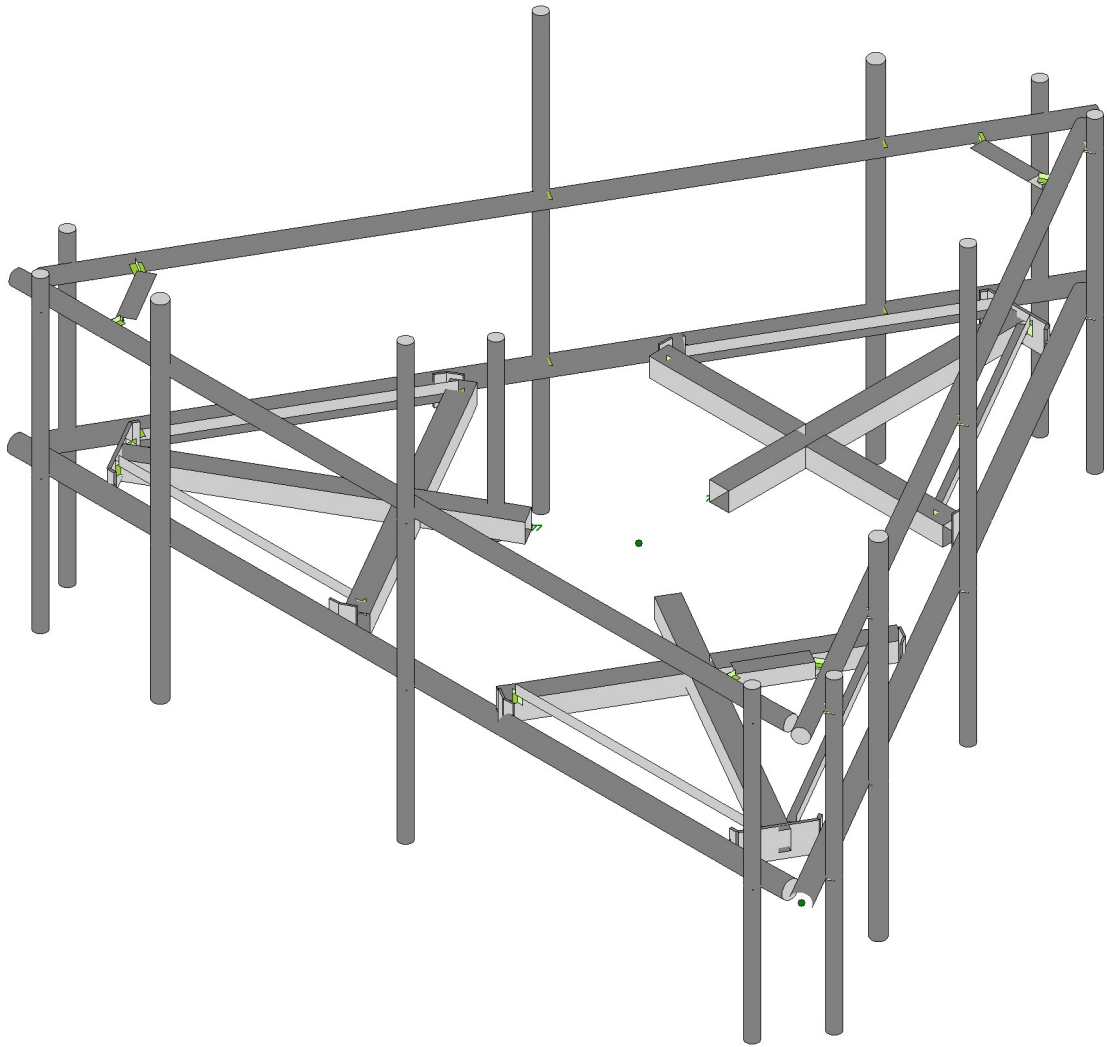
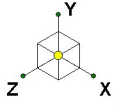
Azimuth (Degree) of Each Sector and Climbing Information

Sector A:	30	Deg	
Sector B:	150	Deg	
Sector C:	270	Deg	
Climbing	160	Deg	Located at Section C
Climbing Facility	Corrosion Type:	Good condition	
	Access:	Climbing path was unobstructed.	
	Condition:	N/A	

Ants. Items	Enter antenna model. If not labled, enter "Unknown". If no antenna at specified location, enter "N/A". If antennas and the locations are the same on all three sectors, only enter one sector.					Mounting Locations (Unit: inches)			Photos of antennas
	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Vertical Distances "b _{1a} , b _{2a} , b _{3a} , b _{1b} ..." (In.)	Horiz. offset (Use "-" if Ant. is inside)	Horiz. offset "C ₁ , C ₂ , C ₃ , C ₄ , C ₅ " (in.)		Photo Numbers
Sector A									
Ant _{1a}					(12) 1 5/8" FH				
Ant _{1b}	SC-E 6014 Rev 2	8.5	8.25	43	16	7.5	8		
Ant _{1c}									
Ant _{2a}									
Ant _{2b}	MGD3-800T0	6	4	52	12	5.5	33		
Ant _{2c}									
Ant _{3a}									
Ant _{3b}	LNX-6514DS-T4M	11.9	7.1	72	16	8	84		
Ant _{3c}									
Ant _{4a}									
Ant _{4b}	SC-E 6014 Rev 2	8.5	8.25	43	16	12	156		
Ant _{4c}									
Ant _{5a}									
Ant _{5b}									
Ant _{5c}									
Are Ant same as sector A? No									
Sector B									
Ant _{1a}									
Ant _{1b}	LPA 80063/4CF E-DI	15.2	13.1	47.4	18	14	8		
Ant _{1c}									
Ant _{2a}									
Ant _{2b}	MGD3-800T0	6	4	52	12	9	33		
Ant _{2c}									
Ant _{3a}									
Ant _{3b}	LNX-6514DS-T4M	11.9	7.1	72	16	12	84		
Ant _{3c}									
Ant _{4a}									
Ant _{4b}	LPA 80063/4CF E-DI	15.2	13.1	47.4	18	14	156		
Ant _{4c}									
Ant _{5a}									
Ant _{5b}									
Ant _{5c}									
Are Ant same as sector A/B? Same As A									
Antennas on Sector C are the same as Sector A									







Envelope Only Solution

Maser Consulting

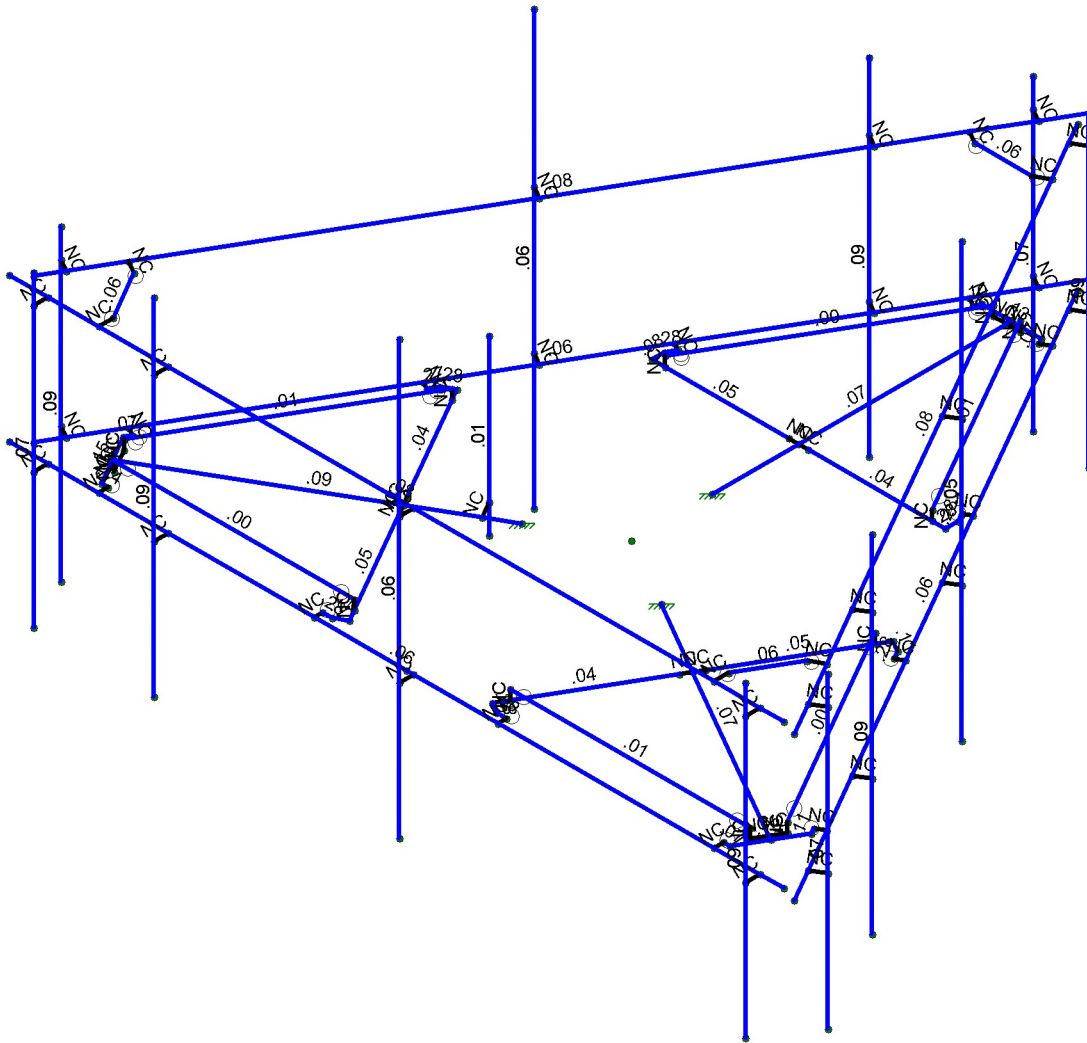
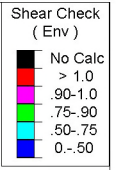
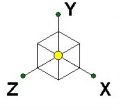
AJH

467879-VZW_MT_LO_H

SK - 1

June 28, 2021 at 1:06 PM

MOD_LOADED_467879-VZW_MT_...



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	467879-VZW_MT_LO_H	SK - 3
AJH		June 28, 2021 at 1:07 PM
		MOD_LOADED_467879-VZW_MT_...



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

June 28, 2021
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 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					84		
2 Antenna Di	None					84		
3 Antenna Wo (0 Deg)	None					84		
4 Antenna Wo (30 Deg)	None					84		
5 Antenna Wo (60 Deg)	None					84		
6 Antenna Wo (90 Deg)	None					84		
7 Antenna Wo (120 Deg)	None					84		
8 Antenna Wo (150 Deg)	None					84		
9 Antenna Wo (180 Deg)	None					84		
10 Antenna Wo (210 Deg)	None					84		
11 Antenna Wo (240 Deg)	None					84		
12 Antenna Wo (270 Deg)	None					84		
13 Antenna Wo (300 Deg)	None					84		
14 Antenna Wo (330 Deg)	None					84		
15 Antenna Wi (0 Deg)	None					84		
16 Antenna Wi (30 Deg)	None					84		
17 Antenna Wi (60 Deg)	None					84		
18 Antenna Wi (90 Deg)	None					84		
19 Antenna Wi (120 Deg)	None					84		
20 Antenna Wi (150 Deg)	None					84		
21 Antenna Wi (180 Deg)	None					84		
22 Antenna Wi (210 Deg)	None					84		
23 Antenna Wi (240 Deg)	None					84		
24 Antenna Wi (270 Deg)	None					84		
25 Antenna Wi (300 Deg)	None					84		
26 Antenna Wi (330 Deg)	None					84		
27 Antenna Wm (0 Deg)	None					84		
28 Antenna Wm (30 Deg)	None					84		
29 Antenna Wm (60 Deg)	None					84		
30 Antenna Wm (90 Deg)	None					84		
31 Antenna Wm (120 Deg)	None					84		
32 Antenna Wm (150 Deg)	None					84		
33 Antenna Wm (180 Deg)	None					84		
34 Antenna Wm (210 Deg)	None					84		
35 Antenna Wm (240 Deg)	None					84		
36 Antenna Wm (270 Deg)	None					84		
37 Antenna Wm (300 Deg)	None					84		
38 Antenna Wm (330 Deg)	None					84		
39 Structure D	None		-1				3	
40 Structure Di	None						58	3
41 Structure Wo (0 Deg)	None						116	
42 Structure Wo (30 Deg)	None						116	
43 Structure Wo (60 Deg)	None						116	
44 Structure Wo (90 Deg)	None						116	
45 Structure Wo (120 D...	None						116	
46 Structure Wo (150 D...	None						116	
47 Structure Wo (180 D...	None						116	
48 Structure Wo (210 D...	None						116	
49 Structure Wo (240 D...	None						116	
50 Structure Wo (270 D...	None						116	
51 Structure Wo (300 D...	None						116	
52 Structure Wo (330 D...	None						116	
53 Structure Wi (0 Deg)	None						116	



Basic Load Cases (Continued)

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
54 Structure Wi (30 Deg)	None						116	
55 Structure Wi (60 Deg)	None						116	
56 Structure Wi (90 Deg)	None						116	
57 Structure Wi (120 De..)	None						116	
58 Structure Wi (150 De..)	None						116	
59 Structure Wi (180 De..)	None						116	
60 Structure Wi (210 De..)	None						116	
61 Structure Wi (240 De..)	None						116	
62 Structure Wi (270 De..)	None						116	
63 Structure Wi (300 De..)	None						116	
64 Structure Wi (330 De..)	None						116	
65 Structure Wm (0 Deg)	None						116	
66 Structure Wm (30 De..)	None						116	
67 Structure Wm (60 De..)	None						116	
68 Structure Wm (90 De..)	None						116	
69 Structure Wm (120 D..)	None						116	
70 Structure Wm (150 D..)	None						116	
71 Structure Wm (180 D..)	None						116	
72 Structure Wm (210 D..)	None						116	
73 Structure Wm (240 D..)	None						116	
74 Structure Wm (270 D..)	None						116	
75 Structure Wm (300 D..)	None						116	
76 Structure Wm (330 D..)	None						116	
77 Lm1	None					1		
78 Lm2	None					1		
79 Lv1	None					1		
80 Lv2	None					1		
81 BLC 39 Transient Are..	None						30	
82 BLC 40 Transient Are..	None						30	

Load Combinations

Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	
1 1.2D+1.0Wo (0 ...)	Yes	Y	1	1.2	39	1.2	3	1	41	1												
2 1.2D+1.0Wo (30...	Yes	Y	1	1.2	39	1.2	4	1	42	1												
3 1.2D+1.0Wo (60...	Yes	Y	1	1.2	39	1.2	5	1	43	1												
4 1.2D+1.0Wo (90...	Yes	Y	1	1.2	39	1.2	6	1	44	1												
5 1.2D+1.0Wo (12...	Yes	Y	1	1.2	39	1.2	7	1	45	1												
6 1.2D+1.0Wo (15...	Yes	Y	1	1.2	39	1.2	8	1	46	1												
7 1.2D+1.0Wo (18...	Yes	Y	1	1.2	39	1.2	9	1	47	1												
8 1.2D+1.0Wo (21...	Yes	Y	1	1.2	39	1.2	10	1	48	1												
9 1.2D+1.0Wo (24...	Yes	Y	1	1.2	39	1.2	11	1	49	1												
10 1.2D+1.0Wo (27...	Yes	Y	1	1.2	39	1.2	12	1	50	1												
11 1.2D+1.0Wo (30...	Yes	Y	1	1.2	39	1.2	13	1	51	1												
12 1.2D+1.0Wo (33...	Yes	Y	1	1.2	39	1.2	14	1	52	1												
13 1.2D + 1.0Di + 1...	Yes	Y	1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14 1.2D + 1.0Di + 1...	Yes	Y	1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15 1.2D + 1.0Di + 1...	Yes	Y	1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16 1.2D + 1.0Di + 1...	Yes	Y	1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17 1.2D + 1.0Di + 1...	Yes	Y	1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18 1.2D + 1.0Di + 1...	Yes	Y	1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19 1.2D + 1.0Di + 1...	Yes	Y	1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20 1.2D + 1.0Di + 1...	Yes	Y	1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21 1.2D + 1.0Di + 1...	Yes	Y	1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22 1.2D + 1.0Di + 1...	Yes	Y	1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23 1.2D + 1.0Di + 1...	Yes	Y	1	1.2	39	1.2	2	1	40	1	25	1	63	1								



Load Combinations (Continued)

Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
24	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1					
25	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1							
26	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1							
27	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1							
28	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1							
29	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1							
30	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1							
31	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1							
32	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1							
33	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1							
34	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1							
35	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1							
36	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1							
37	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1							
38	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1							
39	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1							
40	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1							
41	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1							
42	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1							
43	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1							
44	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1							
45	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1							
46	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1							
47	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1							
48	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1							
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5											
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5											
51	1.4D	Yes	Y		1	1.4	39	1.4													

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N3	-0.	0	-1.395833	0	
2	N5	-2.541667	0	-2.895833	0	
3	N6	2.315104	0.166667	-2.895833	0	
4	N7	-2.315104	0.166667	-2.895833	0	
5	N24	-0.	0	-2.895833	0	
6	N27	-0.	0	-6.583333	0	
7	CP	0	0	0	0	
8	N29	2.315104	0	-2.895833	0	
9	N30	-2.315104	0	-2.895833	0	
10	N101	2.541667	0	-2.895833	0	
11	N102	-0.166667	0	-2.895833	0	
12	N103A	0.166667	0	-2.895833	0	
13	N104A	-2.541667	0	-3.114583	0	
14	N105	2.541667	0	-3.114583	0	
15	N131	2.458333	0	-3.258921	0	
16	N135	0.571615	0	-6.486357	0	
17	N144	-2.458333	0	-3.258921	0	
18	N148	-0.571615	0	-6.486357	0	
19	N86A	2.584629	0	-3.331838	0	
20	N86B	-2.584629	0	-3.331838	0	
21	N86C	-0.515625	0	-6.583333	0	
22	N87A	0.515625	0	-6.583333	0	
23	N86D	0.715429	0	-6.569388	0	
24	N86E	-0.715429	0	-6.569388	0	



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
25	N88A	-0.	0	-6.5	0	
26	N87C	0.234238	0.166667	-6.5	0	
27	N86G	0.234238	0	-6.5	0	
28	N87B	-0.234238	0.166667	-6.5	0	
29	N88C	-0.234238	0	-6.5	0	
30	N125A	-1.208827	0	0.697917	0	
31	N126A	-1.237032	0	3.649065	0	
32	N127A	-3.665417	0.166667	-0.557022	0	
33	N128A	-1.350313	0.166667	3.452856	0	
34	N129A	-2.507865	0	1.447917	0	
35	N130A	-5.701334	0	3.291667	0	
36	N132A	-3.665417	0	-0.557022	0	
37	N133A	-1.350313	0	3.452856	0	
38	N134A	-3.778699	0	-0.753231	0	
39	N135B	-2.424532	0	1.592254	0	
40	N136A	-2.591199	0	1.303579	0	
41	N137A	-1.426475	0	3.75844	0	
42	N138A	-3.968142	0	-0.643856	0	
43	N139A	-4.051475	0	-0.499519	0	
44	N140A	-5.903157	0	2.748146	0	
45	N141A	-1.593142	0	3.75844	0	
46	N142A	-5.331542	0	3.738211	0	
47	N143A	-4.177771	0	-0.572435	0	
48	N144B	-1.593142	0	3.904273	0	
49	N145A	-5.443521	0	3.738211	0	
50	N146A	-5.959146	0	2.845122	0	
51	N147A	-6.046971	0	2.665114	0	
52	N148B	-5.331542	0	3.904273	0	
53	N149A	-5.629165	0	3.25	0	
54	N150A	-5.746284	0.166667	3.047144	0	
55	N151A	-5.746284	0	3.047144	0	
56	N152A	-5.512046	0.166667	3.452856	0	
57	N153A	-5.512046	0	3.452856	0	
58	N154A	1.208827	0	0.697917	0	
59	N155A	3.778699	0	-0.753231	0	
60	N156A	1.350313	0.166667	3.452856	0	
61	N157A	3.665417	0.166667	-0.557022	0	
62	N158A	2.507865	0	1.447917	0	
63	N159A	5.701334	0	3.291667	0	
64	N161A	1.350313	0	3.452856	0	
65	N162A	3.665417	0	-0.557022	0	
66	N163A	1.237032	0	3.649065	0	
67	N164A	2.591199	0	1.303579	0	
68	N165A	2.424532	0	1.592254	0	
69	N166A	3.968142	0	-0.643856	0	
70	N167A	1.426475	0	3.75844	0	
71	N168A	1.593142	0	3.75844	0	
72	N169A	5.331542	0	3.738211	0	
73	N170A	4.051475	0	-0.499519	0	
74	N171A	5.903157	0	2.748146	0	
75	N172A	1.593142	0	3.904273	0	
76	N173A	4.177771	0	-0.572436	0	
77	N174A	5.959146	0	2.845122	0	
78	N175A	5.443521	0	3.738211	0	
79	N176A	5.331542	0	3.904273	0	
80	N177A	6.046971	0	2.665114	0	
81	N178A	5.629165	0	3.25	0	



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
82	N179A	5.512046	0.166667	3.452856	0	
83	N180A	5.512046	0	3.452856	0	
84	N181A	5.746284	0.166667	3.047144	0	
85	N182A	5.746284	0	3.047144	0	
86	N181B	0.	0	3.904273	0	
87	N182B	6.541667	0	3.904273	0	
88	N183A	-6.875	0	3.904273	0	
89	N186A	0.110366	0	-7.617386	0	
90	N187A	6.8187	0	4.001788	0	
91	N189A	-6.652033	0	3.713113	0	
92	N190A	0.0563	0	-7.906061	0	
93	N94	-6.208333	0	3.904273	0	
94	N95	-6.208333	0	4.154273	0	
95	N96	-6.208333	3	4.154273	0	
96	N97	-6.208333	-2.333333	4.154273	0	
97	N98	-4.125	0	3.904273	0	
98	N99	-4.125	0	4.154273	0	
99	N100	-4.125	3.666667	4.154273	0	
100	N101A	-4.125	-2.333333	4.154273	0	
101	N102A	0.125	0	3.904273	0	
102	N103	0.125	0	4.154273	0	
103	N104	0.125	5.166667	4.154273	0	
104	N105A	0.125	-2.333333	4.154273	0	
105	N106	6.125	0	3.904273	0	
106	N107	6.125	0	4.154273	0	
107	N108	6.125	3	4.154273	0	
108	N109	6.125	-2.333333	4.154273	0	
109	N111	6.485366	0	3.424438	0	
110	N112	6.701873	0	3.299438	0	
111	N113	6.701873	3	3.299438	0	
112	N114	6.701873	-2.333333	3.299438	0	
113	N115	5.4437	0	1.620218	0	
114	N116	5.660206	0	1.495218	0	
115	N117	5.660206	3.666667	1.495218	0	
116	N118	5.660206	-2.333333	1.495218	0	
117	N119	3.3187	0	-2.06039	0	
118	N120	3.535206	0	-2.18539	0	
119	N121	3.535206	5.166667	-2.18539	0	
120	N122	3.535206	-2.333333	-2.18539	0	
121	N123	0.3187	0	-7.256542	0	
122	N124	0.535206	0	-7.381542	0	
123	N125	0.535206	3	-7.381542	0	
124	N126	0.535206	-2.333333	-7.381542	0	
125	N128	-0.277033	0	-7.328711	0	
126	N129	-0.49354	0	-7.453711	0	
127	N130	-0.49354	3	-7.453711	0	
128	N131A	-0.49354	-2.333333	-7.453711	0	
129	N132	-1.3187	0	-5.524491	0	
130	N133	-1.535206	0	-5.649491	0	
131	N134	-1.535206	3.666667	-5.649491	0	
132	N135A	-1.535206	-2.333333	-5.649491	0	
133	N136	-3.4437	0	-1.843883	0	
134	N137	-3.660206	0	-1.968883	0	
135	N138	-3.660206	5.166667	-1.968883	0	
136	N139	-3.660206	-2.333333	-1.968883	0	
137	N140	-6.4437	0	3.352269	0	
138	N141	-6.660206	0	3.227269	0	



Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
139	N142	-6.660206	3	3.227269	0	
140	N143	-6.660206	-2.333333	3.227269	0	
141	N142B	-1.64184	0	0.947917	0	
142	N143B	-1.808506	0	0.659242	0	
143	N144A	-1.808506	-.5	0.659242	0	
144	N145	-1.808506	2.5	0.659242	0	
145	N145B	-6.208333	2.5	3.904273	0	
146	N146	-6.208333	2.5	4.154273	0	
147	N147	-4.125	2.5	3.904273	0	
148	N148A	-4.125	2.5	4.154273	0	
149	N149	0.125	2.5	3.904273	0	
150	N150	0.125	2.5	4.154273	0	
151	N151	6.125	2.5	3.904273	0	
152	N152	6.125	2.5	4.154273	0	
153	N153	6.485366	2.5	3.424438	0	
154	N154	6.701873	2.5	3.299438	0	
155	N155	5.4437	2.5	1.620218	0	
156	N156	5.660206	2.5	1.495218	0	
157	N157	3.3187	2.5	-2.06039	0	
158	N158	3.535206	2.5	-2.18539	0	
159	N159	0.3187	2.5	-7.256542	0	
160	N160	0.535206	2.5	-7.381542	0	
161	N161	-0.277033	2.5	-7.328711	0	
162	N162	-0.49354	2.5	-7.453711	0	
163	N163	-1.3187	2.5	-5.524491	0	
164	N164	-1.535206	2.5	-5.649491	0	
165	N165	-3.4437	2.5	-1.843883	0	
166	N166	-3.660206	2.5	-1.968883	0	
167	N167	-6.4437	2.5	3.352269	0	
168	N168	-6.660206	2.5	3.227269	0	
169	N169	6.541667	2.5	3.904273	0	
170	N170	-6.875	2.5	3.904273	0	
171	N171	0.110366	2.5	-7.617386	0	
172	N172	6.8187	2.5	4.001788	0	
173	N173	-6.652033	2.5	3.713113	0	
174	N174	0.0563	2.5	-7.906061	0	
175	N175	-6.046971	2.5	2.665114	0	
176	N176	-5.331542	2.5	3.904273	0	
177	N177	5.331542	2.5	3.904273	0	
178	N178	-5.331542	2.5	3.654273	0	
179	N179	5.331542	2.5	3.654273	0	
180	N180	6.046971	2.5	2.665114	0	
181	N181	0.715429	2.5	-6.569388	0	
182	N182	5.830465	2.5	2.790114	0	
183	N183	0.498922	2.5	-6.444388	0	
184	N184	-0.715429	2.5	-6.569388	0	
185	N186	-0.498922	2.5	-6.444388	0	
186	N187	-5.830465	2.5	2.790114	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design L...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	Tube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Bracing HSS	HSS4X4X4	Beam	Tube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8



Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design L...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
5	Grating Support	L2x2x3	Beam	Single A...	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Handrail	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Dual Antenna Mou...	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	MOD Support Rail	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	MOD Corner Bracket	L3X3X4	Column	Pipe	A36 Gr.36	Typical	1.44	1.23	1.23	.031

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
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N3	N27			Standoff Horiz...	Beam	Tube	A500 Gr.B...	Typical
2	M10	N101	N103A			Bracing HSS	Beam	Tube	A500 Gr.B...	Typical
3	M43	N102	N5			Bracing HSS	Beam	Tube	A500 Gr.B...	Typical
4	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
5	M35A	N7	N30			RIGID	None	None	RIGID	Typical
6	M36A	N6	N29			RIGID	None	None	RIGID	Typical
7	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
10	M58	N102	N24			RIGID	None	None	RIGID	Typical
11	M59	N24	N103A			RIGID	None	None	RIGID	Typical
12	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
13	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M79	N131	N86A			RIGID	None	None	RIGID	Typical
15	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
16	M83	N135	N86D			RIGID	None	None	RIGID	Typical
17	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
18	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M88	N144	N86B			RIGID	None	None	RIGID	Typical
20	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
21	M92	N148	N86E			RIGID	None	None	RIGID	Typical
22	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
23	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
24	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
25	M100A	N125A	N130A			Standoff Horiz...	Beam	Tube	A500 Gr.B...	Typical
26	M101A	N134A	N136A			Bracing HSS	Beam	Tube	A500 Gr.B...	Typical
27	M102A	N135B	N126A			Bracing HSS	Beam	Tube	A500 Gr.B...	Typical
28	M103A	N145A	N146A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
29	M104A	N128A	N133A			RIGID	None	None	RIGID	Typical
30	M105A	N127A	N132A			RIGID	None	None	RIGID	Typical
31	M106A	N150A	N127A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
32	M107A	N128A	N152A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M108A	N152A	N153A			RIGID	None	None	RIGID	Typical



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
34	M109A	N135B	N129A			RIGID	None	None	RIGID	Typical
35	M110A	N129A	N136A			RIGID	None	None	RIGID	Typical
36	M111A	N134A	N138A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
37	M112A	N138A	N139A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
38	M113A	N139A	N143A			RIGID	None	None	RIGID	Typical
39	M114A	N146A	N140A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
40	M115A	N140A	N147A			RIGID	None	None	RIGID	Typical
41	M116A	N126A	N137A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
42	M117A	N137A	N141A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M118A	N141A	N144B			RIGID	None	None	RIGID	Typical
44	M119A	N145A	N142A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
45	M120A	N142A	N148B			RIGID	None	None	RIGID	Typical
46	M121A	N153A	N149A			RIGID	None	None	RIGID	Typical
47	M122A	N149A	N151A			RIGID	None	None	RIGID	Typical
48	M123A	N150A	N151A			RIGID	None	None	RIGID	Typical
49	M124A	N154A	N159A			Standoff Horiz...	Beam	Tube	A500 Gr.B...	Typical
50	M125A	N163A	N165A			Bracing HSS	Beam	Tube	A500 Gr.B...	Typical
51	M126A	N164A	N155A			Bracing HSS	Beam	Tube	A500 Gr.B...	Typical
52	M127A	N174A	N175A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
53	M128A	N157A	N162A			RIGID	None	None	RIGID	Typical
54	M129A	N156A	N161A			RIGID	None	None	RIGID	Typical
55	M130A	N179A	N156A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M131A	N157A	N181A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
57	M132A	N181A	N182A			RIGID	None	None	RIGID	Typical
58	M133A	N164A	N158A			RIGID	None	None	RIGID	Typical
59	M134A	N158A	N165A			RIGID	None	None	RIGID	Typical
60	M135A	N163A	N167A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
61	M136A	N167A	N168A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
62	M137A	N168A	N172A			RIGID	None	None	RIGID	Typical
63	M138A	N175A	N169A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
64	M139A	N169A	N176A			RIGID	None	None	RIGID	Typical
65	M140A	N155A	N166A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
66	M141A	N166A	N170A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M142A	N170A	N173A			RIGID	None	None	RIGID	Typical
68	M143A	N174A	N171A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
69	M144A	N171A	N177A			RIGID	None	None	RIGID	Typical
70	M145A	N182A	N178A			RIGID	None	None	RIGID	Typical
71	M146A	N178A	N180A			RIGID	None	None	RIGID	Typical
72	M147A	N179A	N180A			RIGID	None	None	RIGID	Typical
73	M148A	N182B	N183A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M149A	N186A	N187A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M150A	N189A	N190A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M76A	N94	N95			RIGID	None	None	RIGID	Typical
77	MP4A	N96	N97			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
78	M78	N98	N99			RIGID	None	None	RIGID	Typical
79	MP3A	N100	N101A			Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
80	M80A	N102A	N103			RIGID	None	None	RIGID	Typical
81	MP2A	N104	N105A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	M82	N106	N107			RIGID	None	None	RIGID	Typical
83	MP1A	N108	N109			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M84A	N111	N112			RIGID	None	None	RIGID	Typical
85	MP4C	N113	N114			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	M86	N115	N116			RIGID	None	None	RIGID	Typical
87	MP3C	N117	N118			Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
88	M88A	N119	N120			RIGID	None	None	RIGID	Typical
89	MP2C	N121	N122			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	M90	N123	N124			RIGID	None	None	RIGID	Typical



Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
91	MP1C	N125	N126			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M92A	N128	N129			RIGID	None	None	RIGID	Typical
93	MP4B	N130	N131A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	M94	N132	N133			RIGID	None	None	RIGID	Typical
95	MP3B	N134	N135A			Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
96	M96	N136	N137			RIGID	None	None	RIGID	Typical
97	MP2B	N138	N139			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	M98	N140	N141			RIGID	None	None	RIGID	Typical
99	MP1B	N142	N143			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M100	N142B	N143B			RIGID	None	None	RIGID	Typical
101	M101	N145	N144A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	M102	N145B	N146			RIGID	None	None	RIGID	Typical
103	M103	N147	N148A			RIGID	None	None	RIGID	Typical
104	M104	N149	N150			RIGID	None	None	RIGID	Typical
105	M105	N151	N152			RIGID	None	None	RIGID	Typical
106	M106	N153	N154			RIGID	None	None	RIGID	Typical
107	M107	N155	N156			RIGID	None	None	RIGID	Typical
108	M108	N157	N158			RIGID	None	None	RIGID	Typical
109	M109	N159	N160			RIGID	None	None	RIGID	Typical
110	M110	N161	N162			RIGID	None	None	RIGID	Typical
111	M111	N163	N164			RIGID	None	None	RIGID	Typical
112	M112	N165	N166			RIGID	None	None	RIGID	Typical
113	M113	N167	N168			RIGID	None	None	RIGID	Typical
114	M114	N169	N170			MOD Support ...	Column	Pipe	A53 Gr.B	Typical
115	M115	N171	N172			MOD Support ...	Column	Pipe	A53 Gr.B	Typical
116	M116	N173	N174			MOD Support ...	Column	Pipe	A53 Gr.B	Typical
117	M117	N178	N176			RIGID	None	None	RIGID	Typical
118	M118	N187	N175			RIGID	None	None	RIGID	Typical
119	M119	N187	N178		180	MOD Corner B...	Column	Pipe	A36 Gr.36	Typical
120	M120	N182	N180			RIGID	None	None	RIGID	Typical
121	M121	N179	N177			RIGID	None	None	RIGID	Typical
122	M122	N179	N182		180	MOD Corner B...	Column	Pipe	A36 Gr.36	Typical
123	M123	N186	N184			RIGID	None	None	RIGID	Typical
124	M124	N183	N181			RIGID	None	None	RIGID	Typical
125	M125	N183	N186		180	MOD Corner B...	Column	Pipe	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M4						Yes				None
2	M10						Yes	Default			None
3	M43						Yes	Default			None
4	M46						Yes	Default			None
5	M35A						Yes	** NA **			None
6	M36A						Yes	** NA **			None
7	M51B	OOOOOX	OOOOOX				Yes	Default			None
8	M52B	OOOOOX	OOOOOX				Yes	Default			None
9	M52						Yes	** NA **			None
10	M58						Yes	** NA **			None
11	M59						Yes	** NA **			None
12	M76						Yes	** NA **			None
13	M77						Yes	** NA **			None
14	M79		BenPIN				Yes	** NA **			None
15	M80						Yes	** NA **			None
16	M83		BenPIN				Yes	** NA **			None
17	M84						Yes	** NA **			None



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
18	M85						Yes	** NA **			None
19	M88		BenPIN				Yes	** NA **			None
20	M91						Yes				None
21	M92		BenPIN				Yes	** NA **			None
22	M50						Yes	** NA **			None
23	M51						Yes	** NA **			None
24	M51A						Yes	** NA **			None
25	M100A						Yes				None
26	M101A						Yes	Default			None
27	M102A						Yes	Default			None
28	M103A						Yes	Default			None
29	M104A						Yes	** NA **			None
30	M105A						Yes	** NA **			None
31	M106A	OOOOOX	OOOOOX				Yes	Default			None
32	M107A	OOOOOX	OOOOOX				Yes	Default			None
33	M108A						Yes	** NA **			None
34	M109A						Yes	** NA **			None
35	M110A						Yes	** NA **			None
36	M111A						Yes	** NA **			None
37	M112A						Yes	** NA **			None
38	M113A		BenPIN				Yes	** NA **			None
39	M114A						Yes				None
40	M115A		BenPIN				Yes	** NA **			None
41	M116A						Yes	** NA **			None
42	M117A						Yes	** NA **			None
43	M118A		BenPIN				Yes	** NA **			None
44	M119A						Yes				None
45	M120A		BenPIN				Yes	** NA **			None
46	M121A						Yes	** NA **			None
47	M122A						Yes	** NA **			None
48	M123A						Yes	** NA **			None
49	M124A						Yes				None
50	M125A						Yes	Default			None
51	M126A						Yes	Default			None
52	M127A						Yes	Default			None
53	M128A						Yes	** NA **			None
54	M129A						Yes	** NA **			None
55	M130A	OOOOOX	OOOOOX				Yes	Default			None
56	M131A	OOOOOX	OOOOOX				Yes	Default			None
57	M132A						Yes	** NA **			None
58	M133A						Yes	** NA **			None
59	M134A						Yes	** NA **			None
60	M135A						Yes	** NA **			None
61	M136A						Yes	** NA **			None
62	M137A		BenPIN				Yes	** NA **			None
63	M138A						Yes				None
64	M139A		BenPIN				Yes	** NA **			None
65	M140A						Yes	** NA **			None
66	M141A						Yes	** NA **			None
67	M142A		BenPIN				Yes	** NA **			None
68	M143A						Yes				None
69	M144A		BenPIN				Yes	** NA **			None
70	M145A						Yes	** NA **			None
71	M146A						Yes	** NA **			None
72	M147A						Yes	** NA **			None
73	M148A						Yes	Default			None
74	M149A						Yes	Default			None



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Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
75	M150A						Yes	Default			None
76	M76A						Yes	** NA **			None
77	MP4A						Yes	** NA **			None
78	M78						Yes	** NA **			None
79	MP3A						Yes	** NA **			None
80	M80A						Yes	** NA **			None
81	MP2A						Yes	** NA **			None
82	M82						Yes	** NA **			None
83	MP1A						Yes	** NA **			None
84	M84A						Yes	** NA **			None
85	MP4C						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	MP3C						Yes	** NA **			None
88	M88A						Yes	** NA **			None
89	MP2C						Yes	** NA **			None
90	M90						Yes	** NA **			None
91	MP1C						Yes	** NA **			None
92	M92A						Yes	** NA **			None
93	MP4B						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	MP3B						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	MP2B						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	MP1B						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	M113						Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes	** NA **			None
117	M117		000000				Yes	** NA **			None
118	M118		000000				Yes	** NA **			None
119	M119						Yes	** NA **			None
120	M120		000000				Yes	** NA **			None
121	M121		000000				Yes	** NA **			None
122	M122						Yes	** NA **			None
123	M123		000000				Yes	** NA **			None
124	M124		000000				Yes	** NA **			None
125	M125						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	Y	-31.65	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
2	MP3A	My	-.016	.5
3	MP3A	Mz	.021	.5
4	MP3A	Y	-31.65	4.5
5	MP3A	My	-.016	4.5
6	MP3A	Mz	.021	4.5
7	MP3B	Y	-31.65	.5
8	MP3B	My	-.01	.5
9	MP3B	Mz	-.024	.5
10	MP3B	Y	-31.65	4.5
11	MP3B	My	-.01	4.5
12	MP3B	Mz	-.024	4.5
13	MP3C	Y	-31.65	.5
14	MP3C	My	.026	.5
15	MP3C	Mz	.003	.5
16	MP3C	Y	-31.65	4.5
17	MP3C	My	.026	4.5
18	MP3C	Mz	.003	4.5
19	MP3A	Y	-31.65	.5
20	MP3A	My	-.016	.5
21	MP3A	Mz	-.021	.5
22	MP3A	Y	-31.65	4.5
23	MP3A	My	-.016	4.5
24	MP3A	Mz	-.021	4.5
25	MP3B	Y	-31.65	.5
26	MP3B	My	.026	.5
27	MP3B	Mz	.006	.5
28	MP3B	Y	-31.65	4.5
29	MP3B	My	.026	4.5
30	MP3B	Mz	.006	4.5
31	MP3C	Y	-31.65	.5
32	MP3C	My	-.01	.5
33	MP3C	Mz	.024	.5
34	MP3C	Y	-31.65	4.5
35	MP3C	My	-.01	4.5
36	MP3C	Mz	.024	4.5
37	MP2A	Y	-43.55	2
38	MP2A	My	-.022	2
39	MP2A	Mz	0	2
40	MP2A	Y	-43.55	4
41	MP2A	My	-.022	4
42	MP2A	Mz	0	4
43	MP2B	Y	-43.55	2
44	MP2B	My	.017	2
45	MP2B	Mz	-.014	2
46	MP2B	Y	-43.55	4
47	MP2B	My	.017	4
48	MP2B	Mz	-.014	4
49	MP2C	Y	-43.55	2
50	MP2C	My	.011	2
51	MP2C	Mz	.019	2
52	MP2C	Y	-43.55	4
53	MP2C	My	.011	4
54	MP2C	Mz	.019	4
55	MP3A	Y	-10.4	1
56	MP3A	My	.005	1
57	MP3A	Mz	0	1
58	MP3B	Y	-10.4	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
59	MP3B	My	-.004	1
60	MP3B	Mz	.003	1
61	MP3C	Y	-10.4	1
62	MP3C	My	-.003	1
63	MP3C	Mz	-.005	1
64	MP3A	Y	-84.4	2.5
65	MP3A	My	.042	2.5
66	MP3A	Mz	0	2.5
67	MP3B	Y	-84.4	2.5
68	MP3B	My	-.032	2.5
69	MP3B	Mz	.027	2.5
70	MP3C	Y	-84.4	2.5
71	MP3C	My	-.021	2.5
72	MP3C	Mz	-.037	2.5
73	MP4A	Y	-70.3	2.5
74	MP4A	My	.035	2.5
75	MP4A	Mz	0	2.5
76	MP4B	Y	-70.3	2.5
77	MP4B	My	-.027	2.5
78	MP4B	Mz	.023	2.5
79	MP4C	Y	-70.3	2.5
80	MP4C	My	-.018	2.5
81	MP4C	Mz	-.03	2.5
82	M101	Y	-32	1.5
83	M101	My	0	1.5
84	M101	Mz	0	1.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP3A	Y	-69.935	.5
2	MP3A	My	-.035	.5
3	MP3A	Mz	.047	.5
4	MP3A	Y	-69.935	4.5
5	MP3A	My	-.035	4.5
6	MP3A	Mz	.047	4.5
7	MP3B	Y	-69.935	.5
8	MP3B	My	-.023	.5
9	MP3B	Mz	-.054	.5
10	MP3B	Y	-69.935	4.5
11	MP3B	My	-.023	4.5
12	MP3B	Mz	-.054	4.5
13	MP3C	Y	-69.935	.5
14	MP3C	My	.058	.5
15	MP3C	Mz	.007	.5
16	MP3C	Y	-69.935	4.5
17	MP3C	My	.058	4.5
18	MP3C	Mz	.007	4.5
19	MP3A	Y	-69.935	.5
20	MP3A	My	-.035	.5
21	MP3A	Mz	-.047	.5
22	MP3A	Y	-69.935	4.5
23	MP3A	My	-.035	4.5
24	MP3A	Mz	-.047	4.5
25	MP3B	Y	-69.935	.5
26	MP3B	My	.057	.5
27	MP3B	Mz	.013	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
28	MP3B	Y	-69.935	4.5
29	MP3B	My	.057	4.5
30	MP3B	Mz	.013	4.5
31	MP3C	Y	-69.935	.5
32	MP3C	My	-.023	.5
33	MP3C	Mz	.054	.5
34	MP3C	Y	-69.935	4.5
35	MP3C	My	-.023	4.5
36	MP3C	Mz	.054	4.5
37	MP2A	Y	-35.607	2
38	MP2A	My	-.018	2
39	MP2A	Mz	0	2
40	MP2A	Y	-35.607	4
41	MP2A	My	-.018	4
42	MP2A	Mz	0	4
43	MP2B	Y	-35.607	2
44	MP2B	My	.014	2
45	MP2B	Mz	-.011	2
46	MP2B	Y	-35.607	4
47	MP2B	My	.014	4
48	MP2B	Mz	-.011	4
49	MP2C	Y	-35.607	2
50	MP2C	My	.009	2
51	MP2C	Mz	.015	2
52	MP2C	Y	-35.607	4
53	MP2C	My	.009	4
54	MP2C	Mz	.015	4
55	MP3A	Y	-10.739	1
56	MP3A	My	.005	1
57	MP3A	Mz	0	1
58	MP3B	Y	-10.739	1
59	MP3B	My	-.004	1
60	MP3B	Mz	.003	1
61	MP3C	Y	-10.739	1
62	MP3C	My	-.003	1
63	MP3C	Mz	-.005	1
64	MP3A	Y	-44.892	2.5
65	MP3A	My	.022	2.5
66	MP3A	Mz	0	2.5
67	MP3B	Y	-44.892	2.5
68	MP3B	My	-.017	2.5
69	MP3B	Mz	.014	2.5
70	MP3C	Y	-44.892	2.5
71	MP3C	My	-.011	2.5
72	MP3C	Mz	-.019	2.5
73	MP4A	Y	-40.372	2.5
74	MP4A	My	.02	2.5
75	MP4A	Mz	0	2.5
76	MP4B	Y	-40.372	2.5
77	MP4B	My	-.015	2.5
78	MP4B	Mz	.013	2.5
79	MP4C	Y	-40.372	2.5
80	MP4C	My	-.01	2.5
81	MP4C	Mz	-.017	2.5
82	M101	Y	-75.936	1.5
83	M101	My	0	1.5
84	M101	Mz	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	.5
2	MP3A	Z	-147.714	.5
3	MP3A	Mx	-.098	.5
4	MP3A	X	0	4.5
5	MP3A	Z	-147.714	4.5
6	MP3A	Mx	-.098	4.5
7	MP3B	X	0	.5
8	MP3B	Z	-109.691	.5
9	MP3B	Mx	.084	.5
10	MP3B	X	0	4.5
11	MP3B	Z	-109.691	4.5
12	MP3B	Mx	.084	4.5
13	MP3C	X	0	.5
14	MP3C	Z	-109.691	.5
15	MP3C	Mx	-.011	.5
16	MP3C	X	0	4.5
17	MP3C	Z	-109.691	4.5
18	MP3C	Mx	-.011	4.5
19	MP3A	X	0	.5
20	MP3A	Z	-147.714	.5
21	MP3A	Mx	.098	.5
22	MP3A	X	0	4.5
23	MP3A	Z	-147.714	4.5
24	MP3A	Mx	.098	4.5
25	MP3B	X	0	.5
26	MP3B	Z	-126.767	.5
27	MP3B	Mx	-.024	.5
28	MP3B	X	0	4.5
29	MP3B	Z	-126.767	4.5
30	MP3B	Mx	-.024	4.5
31	MP3C	X	0	.5
32	MP3C	Z	-109.691	.5
33	MP3C	Mx	-.084	.5
34	MP3C	X	0	4.5
35	MP3C	Z	-109.691	4.5
36	MP3C	Mx	-.084	4.5
37	MP2A	X	0	2
38	MP2A	Z	-76.208	2
39	MP2A	Mx	0	2
40	MP2A	X	0	4
41	MP2A	Z	-76.208	4
42	MP2A	Mx	0	4
43	MP2B	X	0	2
44	MP2B	Z	-57.048	2
45	MP2B	Mx	.018	2
46	MP2B	X	0	4
47	MP2B	Z	-57.048	4
48	MP2B	Mx	.018	4
49	MP2C	X	0	2
50	MP2C	Z	-41.429	2
51	MP2C	Mx	-.018	2
52	MP2C	X	0	4
53	MP2C	Z	-41.429	4
54	MP2C	Mx	-.018	4
55	MP3A	X	0	1
56	MP3A	Z	-11.999	1
57	MP3A	Mx	0	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP3B	X	0	1
59	MP3B	Z	-10.471	1
60	MP3B	Mx	-.003	1
61	MP3C	X	0	1
62	MP3C	Z	-9.226	1
63	MP3C	Mx	.004	1
64	MP3A	X	0	2.5
65	MP3A	Z	-60.642	2.5
66	MP3A	Mx	0	2.5
67	MP3B	X	0	2.5
68	MP3B	Z	-52.335	2.5
69	MP3B	Mx	-.017	2.5
70	MP3C	X	0	2.5
71	MP3C	Z	-45.563	2.5
72	MP3C	Mx	.02	2.5
73	MP4A	X	0	2.5
74	MP4A	Z	-60.642	2.5
75	MP4A	Mx	0	2.5
76	MP4B	X	0	2.5
77	MP4B	Z	-49.153	2.5
78	MP4B	Mx	-.016	2.5
79	MP4C	X	0	2.5
80	MP4C	Z	-39.786	2.5
81	MP4C	Mx	.017	2.5
82	M101	X	0	1.5
83	M101	Z	-112.518	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	67.52	.5
2	MP3A	Z	-116.948	.5
3	MP3A	Mx	-.112	.5
4	MP3A	X	67.52	4.5
5	MP3A	Z	-116.948	4.5
6	MP3A	Mx	-.112	4.5
7	MP3B	X	48.508	.5
8	MP3B	Z	-84.019	.5
9	MP3B	Mx	.049	.5
10	MP3B	X	48.508	4.5
11	MP3B	Z	-84.019	4.5
12	MP3B	Mx	.049	4.5
13	MP3C	X	67.52	.5
14	MP3C	Z	-116.948	.5
15	MP3C	Mx	.044	.5
16	MP3C	X	67.52	4.5
17	MP3C	Z	-116.948	4.5
18	MP3C	Mx	.044	4.5
19	MP3A	X	67.52	.5
20	MP3A	Z	-116.948	.5
21	MP3A	Mx	.044	.5
22	MP3A	X	67.52	4.5
23	MP3A	Z	-116.948	4.5
24	MP3A	Mx	.044	4.5
25	MP3B	X	51.474	.5
26	MP3B	Z	-89.155	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
27	MP3B	Mx	.025	.5
28	MP3B	X	51.474	4.5
29	MP3B	Z	-89.155	4.5
30	MP3B	Mx	.025	4.5
31	MP3C	X	67.52	.5
32	MP3C	Z	-116.948	.5
33	MP3C	Mx	-.112	.5
34	MP3C	X	67.52	4.5
35	MP3C	Z	-116.948	4.5
36	MP3C	Mx	-.112	4.5
37	MP2A	X	32.308	2
38	MP2A	Z	-55.958	2
39	MP2A	Mx	-.016	2
40	MP2A	X	32.308	4
41	MP2A	Z	-55.958	4
42	MP2A	Mx	-.016	4
43	MP2B	X	17.63	2
44	MP2B	Z	-30.536	2
45	MP2B	Mx	.017	2
46	MP2B	X	17.63	4
47	MP2B	Z	-30.536	4
48	MP2B	Mx	.017	4
49	MP2C	X	32.308	2
50	MP2C	Z	-55.958	2
51	MP2C	Mx	-.016	2
52	MP2C	X	32.308	4
53	MP2C	Z	-55.958	4
54	MP2C	Mx	-.016	4
55	MP3A	X	5.537	1
56	MP3A	Z	-9.591	1
57	MP3A	Mx	.003	1
58	MP3B	X	4.367	1
59	MP3B	Z	-7.564	1
60	MP3B	Mx	-.004	1
61	MP3C	X	5.537	1
62	MP3C	Z	-9.591	1
63	MP3C	Mx	.003	1
64	MP3A	X	27.808	2.5
65	MP3A	Z	-48.165	2.5
66	MP3A	Mx	.014	2.5
67	MP3B	X	21.444	2.5
68	MP3B	Z	-37.142	2.5
69	MP3B	Mx	-.02	2.5
70	MP3C	X	27.808	2.5
71	MP3C	Z	-48.165	2.5
72	MP3C	Mx	.014	2.5
73	MP4A	X	26.845	2.5
74	MP4A	Z	-46.497	2.5
75	MP4A	Mx	.013	2.5
76	MP4B	X	18.044	2.5
77	MP4B	Z	-31.253	2.5
78	MP4B	Mx	-.017	2.5
79	MP4C	X	26.845	2.5
80	MP4C	Z	-46.497	2.5
81	MP4C	Mx	.013	2.5
82	M101	X	45.871	1.5
83	M101	Z	-79.451	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	94.995	.5
2	MP3A	Z	-54.846	.5
3	MP3A	Mx	-.084	.5
4	MP3A	X	94.995	4.5
5	MP3A	Z	-54.846	4.5
6	MP3A	Mx	-.084	4.5
7	MP3B	X	94.995	.5
8	MP3B	Z	-54.846	.5
9	MP3B	Mx	.011	.5
10	MP3B	X	94.995	4.5
11	MP3B	Z	-54.846	4.5
12	MP3B	Mx	.011	4.5
13	MP3C	X	127.924	.5
14	MP3C	Z	-73.857	.5
15	MP3C	Mx	.098	.5
16	MP3C	X	127.924	4.5
17	MP3C	Z	-73.857	4.5
18	MP3C	Mx	.098	4.5
19	MP3A	X	94.995	.5
20	MP3A	Z	-54.846	.5
21	MP3A	Mx	-.011	.5
22	MP3A	X	94.995	4.5
23	MP3A	Z	-54.846	4.5
24	MP3A	Mx	-.011	4.5
25	MP3B	X	85.343	.5
26	MP3B	Z	-49.273	.5
27	MP3B	Mx	.06	.5
28	MP3B	X	85.343	4.5
29	MP3B	Z	-49.273	4.5
30	MP3B	Mx	.06	4.5
31	MP3C	X	127.924	.5
32	MP3C	Z	-73.857	.5
33	MP3C	Mx	-.098	.5
34	MP3C	X	127.924	4.5
35	MP3C	Z	-73.857	4.5
36	MP3C	Mx	-.098	4.5
37	MP2A	X	35.878	2
38	MP2A	Z	-20.714	2
39	MP2A	Mx	-.018	2
40	MP2A	X	35.878	4
41	MP2A	Z	-20.714	4
42	MP2A	Mx	-.018	4
43	MP2B	X	27.049	2
44	MP2B	Z	-15.617	2
45	MP2B	Mx	.015	2
46	MP2B	X	27.049	4
47	MP2B	Z	-15.617	4
48	MP2B	Mx	.015	4
49	MP2C	X	65.998	2
50	MP2C	Z	-38.104	2
51	MP2C	Mx	0	2
52	MP2C	X	65.998	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
53	MP2C	Z	-38.104	4
54	MP2C	Mx	0	4
55	MP3A	X	7.99	1
56	MP3A	Z	-4.613	1
57	MP3A	Mx	.004	1
58	MP3B	X	7.286	1
59	MP3B	Z	-4.207	1
60	MP3B	Mx	-.004	1
61	MP3C	X	10.391	1
62	MP3C	Z	-5.999	1
63	MP3C	Mx	0	1
64	MP3A	X	39.459	2.5
65	MP3A	Z	-22.781	2.5
66	MP3A	Mx	.02	2.5
67	MP3B	X	35.631	2.5
68	MP3B	Z	-20.571	2.5
69	MP3B	Mx	-.02	2.5
70	MP3C	X	52.518	2.5
71	MP3C	Z	-30.321	2.5
72	MP3C	Mx	0	2.5
73	MP4A	X	34.456	2.5
74	MP4A	Z	-19.893	2.5
75	MP4A	Mx	.017	2.5
76	MP4B	X	29.162	2.5
77	MP4B	Z	-16.836	2.5
78	MP4B	Mx	-.017	2.5
79	MP4C	X	52.518	2.5
80	MP4C	Z	-30.321	2.5
81	MP4C	Mx	0	2.5
82	M101	X	70.455	1.5
83	M101	Z	-40.677	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	97.017	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.049	.5
4	MP3A	X	97.017	4.5
5	MP3A	Z	0	4.5
6	MP3A	Mx	-.049	4.5
7	MP3B	X	135.04	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.044	.5
10	MP3B	X	135.04	4.5
11	MP3B	Z	0	4.5
12	MP3B	Mx	-.044	4.5
13	MP3C	X	135.04	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.112	.5
16	MP3C	X	135.04	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	.112	4.5
19	MP3A	X	97.017	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.049	.5



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
22	MP3A	X	97.017	4.5
23	MP3A	Z	0	4.5
24	MP3A	Mx	-.049	4.5
25	MP3B	X	117.964	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.096	.5
28	MP3B	X	117.964	4.5
29	MP3B	Z	0	4.5
30	MP3B	Mx	.096	4.5
31	MP3C	X	135.04	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.044	.5
34	MP3C	X	135.04	4.5
35	MP3C	Z	0	4.5
36	MP3C	Mx	-.044	4.5
37	MP2A	X	29.835	2
38	MP2A	Z	0	2
39	MP2A	Mx	-.015	2
40	MP2A	X	29.835	4
41	MP2A	Z	0	4
42	MP2A	Mx	-.015	4
43	MP2B	X	48.996	2
44	MP2B	Z	0	2
45	MP2B	Mx	.019	2
46	MP2B	X	48.996	4
47	MP2B	Z	0	4
48	MP2B	Mx	.019	4
49	MP2C	X	64.615	2
50	MP2C	Z	0	2
51	MP2C	Mx	.016	2
52	MP2C	X	64.615	4
53	MP2C	Z	0	4
54	MP2C	Mx	.016	4
55	MP3A	X	8.302	1
56	MP3A	Z	0	1
57	MP3A	Mx	.004	1
58	MP3B	X	9.829	1
59	MP3B	Z	0	1
60	MP3B	Mx	-.004	1
61	MP3C	X	11.075	1
62	MP3C	Z	0	1
63	MP3C	Mx	-.003	1
64	MP3A	X	40.536	2.5
65	MP3A	Z	0	2.5
66	MP3A	Mx	.02	2.5
67	MP3B	X	48.844	2.5
68	MP3B	Z	0	2.5
69	MP3B	Mx	-.019	2.5
70	MP3C	X	55.616	2.5
71	MP3C	Z	0	2.5
72	MP3C	Mx	-.014	2.5
73	MP4A	X	32.834	2.5
74	MP4A	Z	0	2.5
75	MP4A	Mx	.016	2.5
76	MP4B	X	44.324	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	-.017	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
79	MP4C	X	53.69	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	-.013	2.5
82	M101	X	91.742	1.5
83	M101	Z	0	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	94.995	.5
2	MP3A	Z	54.846	.5
3	MP3A	Mx	-.011	.5
4	MP3A	X	94.995	4.5
5	MP3A	Z	54.846	4.5
6	MP3A	Mx	-.011	4.5
7	MP3B	X	127.924	.5
8	MP3B	Z	73.857	.5
9	MP3B	Mx	-.098	.5
10	MP3B	X	127.924	4.5
11	MP3B	Z	73.857	4.5
12	MP3B	Mx	-.098	4.5
13	MP3C	X	94.995	.5
14	MP3C	Z	54.846	.5
15	MP3C	Mx	.084	.5
16	MP3C	X	94.995	4.5
17	MP3C	Z	54.846	4.5
18	MP3C	Mx	.084	4.5
19	MP3A	X	94.995	.5
20	MP3A	Z	54.846	.5
21	MP3A	Mx	-.084	.5
22	MP3A	X	94.995	4.5
23	MP3A	Z	54.846	4.5
24	MP3A	Mx	-.084	4.5
25	MP3B	X	122.788	.5
26	MP3B	Z	70.892	.5
27	MP3B	Mx	.113	.5
28	MP3B	X	122.788	4.5
29	MP3B	Z	70.892	4.5
30	MP3B	Mx	.113	4.5
31	MP3C	X	94.995	.5
32	MP3C	Z	54.846	.5
33	MP3C	Mx	.011	.5
34	MP3C	X	94.995	4.5
35	MP3C	Z	54.846	4.5
36	MP3C	Mx	.011	4.5
37	MP2A	X	35.878	2
38	MP2A	Z	20.714	2
39	MP2A	Mx	-.018	2
40	MP2A	X	35.878	4
41	MP2A	Z	20.714	4
42	MP2A	Mx	-.018	4
43	MP2B	X	61.3	2
44	MP2B	Z	35.392	2
45	MP2B	Mx	.012	2
46	MP2B	X	61.3	4
47	MP2B	Z	35.392	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
48	MP2B	Mx	.012	4
49	MP2C	X	35.878	2
50	MP2C	Z	20.714	2
51	MP2C	Mx	.018	2
52	MP2C	X	35.878	4
53	MP2C	Z	20.714	4
54	MP2C	Mx	.018	4
55	MP3A	X	7.99	1
56	MP3A	Z	4.613	1
57	MP3A	Mx	.004	1
58	MP3B	X	10.017	1
59	MP3B	Z	5.783	1
60	MP3B	Mx	-.002	1
61	MP3C	X	7.99	1
62	MP3C	Z	4.613	1
63	MP3C	Mx	-.004	1
64	MP3A	X	39.459	2.5
65	MP3A	Z	22.781	2.5
66	MP3A	Mx	.02	2.5
67	MP3B	X	50.481	2.5
68	MP3B	Z	29.145	2.5
69	MP3B	Mx	-.01	2.5
70	MP3C	X	39.459	2.5
71	MP3C	Z	22.781	2.5
72	MP3C	Mx	-.02	2.5
73	MP4A	X	34.456	2.5
74	MP4A	Z	19.893	2.5
75	MP4A	Mx	.017	2.5
76	MP4B	X	49.701	2.5
77	MP4B	Z	28.695	2.5
78	MP4B	Mx	-.01	2.5
79	MP4C	X	34.456	2.5
80	MP4C	Z	19.893	2.5
81	MP4C	Mx	-.017	2.5
82	M101	X	97.444	1.5
83	M101	Z	56.259	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	67.52	.5
2	MP3A	Z	116.948	.5
3	MP3A	Mx	.044	.5
4	MP3A	X	67.52	4.5
5	MP3A	Z	116.948	4.5
6	MP3A	Mx	.044	4.5
7	MP3B	X	67.52	.5
8	MP3B	Z	116.948	.5
9	MP3B	Mx	-.112	.5
10	MP3B	X	67.52	4.5
11	MP3B	Z	116.948	4.5
12	MP3B	Mx	-.112	4.5
13	MP3C	X	48.508	.5
14	MP3C	Z	84.019	.5
15	MP3C	Mx	.049	.5
16	MP3C	X	48.508	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
17	MP3C	Z	84.019	4.5
18	MP3C	Mx	.049	4.5
19	MP3A	X	67.52	.5
20	MP3A	Z	116.948	.5
21	MP3A	Mx	-.112	.5
22	MP3A	X	67.52	4.5
23	MP3A	Z	116.948	4.5
24	MP3A	Mx	-.112	4.5
25	MP3B	X	73.093	.5
26	MP3B	Z	126.6	.5
27	MP3B	Mx	.083	.5
28	MP3B	X	73.093	4.5
29	MP3B	Z	126.6	4.5
30	MP3B	Mx	.083	4.5
31	MP3C	X	48.508	.5
32	MP3C	Z	84.019	.5
33	MP3C	Mx	.049	.5
34	MP3C	X	48.508	4.5
35	MP3C	Z	84.019	4.5
36	MP3C	Mx	.049	4.5
37	MP2A	X	32.308	2
38	MP2A	Z	55.958	2
39	MP2A	Mx	-.016	2
40	MP2A	X	32.308	4
41	MP2A	Z	55.958	4
42	MP2A	Mx	-.016	4
43	MP2B	X	37.405	2
44	MP2B	Z	64.787	2
45	MP2B	Mx	-.006	2
46	MP2B	X	37.405	4
47	MP2B	Z	64.787	4
48	MP2B	Mx	-.006	4
49	MP2C	X	14.918	2
50	MP2C	Z	25.838	2
51	MP2C	Mx	.015	2
52	MP2C	X	14.918	4
53	MP2C	Z	25.838	4
54	MP2C	Mx	.015	4
55	MP3A	X	5.537	1
56	MP3A	Z	9.591	1
57	MP3A	Mx	.003	1
58	MP3B	X	5.944	1
59	MP3B	Z	10.295	1
60	MP3B	Mx	.001	1
61	MP3C	X	4.151	1
62	MP3C	Z	7.19	1
63	MP3C	Mx	-.004	1
64	MP3A	X	27.808	2.5
65	MP3A	Z	48.165	2.5
66	MP3A	Mx	.014	2.5
67	MP3B	X	30.018	2.5
68	MP3B	Z	51.993	2.5
69	MP3B	Mx	.005	2.5
70	MP3C	X	20.268	2.5
71	MP3C	Z	35.105	2.5
72	MP3C	Mx	-.02	2.5
73	MP4A	X	26.845	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
74	MP4A	Z	46.497	2.5
75	MP4A	Mx	.013	2.5
76	MP4B	X	29.902	2.5
77	MP4B	Z	51.792	2.5
78	MP4B	Mx	.005	2.5
79	MP4C	X	16.417	2.5
80	MP4C	Z	28.435	2.5
81	MP4C	Mx	-.016	2.5
82	M101	X	61.453	1.5
83	M101	Z	106.44	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	147.714	.5
3	MP3A	Mx	.098	.5
4	MP3A	X	0	4.5
5	MP3A	Z	147.714	4.5
6	MP3A	Mx	.098	4.5
7	MP3B	X	0	.5
8	MP3B	Z	109.691	.5
9	MP3B	Mx	-.084	.5
10	MP3B	X	0	4.5
11	MP3B	Z	109.691	4.5
12	MP3B	Mx	-.084	4.5
13	MP3C	X	0	.5
14	MP3C	Z	109.691	.5
15	MP3C	Mx	.011	.5
16	MP3C	X	0	4.5
17	MP3C	Z	109.691	4.5
18	MP3C	Mx	.011	4.5
19	MP3A	X	0	.5
20	MP3A	Z	147.714	.5
21	MP3A	Mx	-.098	.5
22	MP3A	X	0	4.5
23	MP3A	Z	147.714	4.5
24	MP3A	Mx	-.098	4.5
25	MP3B	X	0	.5
26	MP3B	Z	126.767	.5
27	MP3B	Mx	.024	.5
28	MP3B	X	0	4.5
29	MP3B	Z	126.767	4.5
30	MP3B	Mx	.024	4.5
31	MP3C	X	0	.5
32	MP3C	Z	109.691	.5
33	MP3C	Mx	.084	.5
34	MP3C	X	0	4.5
35	MP3C	Z	109.691	4.5
36	MP3C	Mx	.084	4.5
37	MP2A	X	0	2
38	MP2A	Z	76.208	2
39	MP2A	Mx	0	2
40	MP2A	X	0	4
41	MP2A	Z	76.208	4
42	MP2A	Mx	0	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
43	MP2B	X	0	2
44	MP2B	Z	57.048	2
45	MP2B	Mx	-.018	2
46	MP2B	X	0	4
47	MP2B	Z	57.048	4
48	MP2B	Mx	-.018	4
49	MP2C	X	0	2
50	MP2C	Z	41.429	2
51	MP2C	Mx	.018	2
52	MP2C	X	0	4
53	MP2C	Z	41.429	4
54	MP2C	Mx	.018	4
55	MP3A	X	0	1
56	MP3A	Z	11.999	1
57	MP3A	Mx	0	1
58	MP3B	X	0	1
59	MP3B	Z	10.471	1
60	MP3B	Mx	.003	1
61	MP3C	X	0	1
62	MP3C	Z	9.226	1
63	MP3C	Mx	-.004	1
64	MP3A	X	0	2.5
65	MP3A	Z	60.642	2.5
66	MP3A	Mx	0	2.5
67	MP3B	X	0	2.5
68	MP3B	Z	52.335	2.5
69	MP3B	Mx	.017	2.5
70	MP3C	X	0	2.5
71	MP3C	Z	45.563	2.5
72	MP3C	Mx	-.02	2.5
73	MP4A	X	0	2.5
74	MP4A	Z	60.642	2.5
75	MP4A	Mx	0	2.5
76	MP4B	X	0	2.5
77	MP4B	Z	49.153	2.5
78	MP4B	Mx	.016	2.5
79	MP4C	X	0	2.5
80	MP4C	Z	39.786	2.5
81	MP4C	Mx	-.017	2.5
82	M101	X	0	1.5
83	M101	Z	112.518	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-67.52	.5
2	MP3A	Z	116.948	.5
3	MP3A	Mx	.112	.5
4	MP3A	X	-67.52	4.5
5	MP3A	Z	116.948	4.5
6	MP3A	Mx	.112	4.5
7	MP3B	X	-48.508	.5
8	MP3B	Z	84.019	.5
9	MP3B	Mx	-.049	.5
10	MP3B	X	-48.508	4.5
11	MP3B	Z	84.019	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP3B	Mx	-0.049	4.5
13	MP3C	X	-67.52	.5
14	MP3C	Z	116.948	.5
15	MP3C	Mx	-0.044	.5
16	MP3C	X	-67.52	4.5
17	MP3C	Z	116.948	4.5
18	MP3C	Mx	-0.044	4.5
19	MP3A	X	-67.52	.5
20	MP3A	Z	116.948	.5
21	MP3A	Mx	-0.044	.5
22	MP3A	X	-67.52	4.5
23	MP3A	Z	116.948	4.5
24	MP3A	Mx	-0.044	4.5
25	MP3B	X	-51.474	.5
26	MP3B	Z	89.155	.5
27	MP3B	Mx	-0.025	.5
28	MP3B	X	-51.474	4.5
29	MP3B	Z	89.155	4.5
30	MP3B	Mx	-0.025	4.5
31	MP3C	X	-67.52	.5
32	MP3C	Z	116.948	.5
33	MP3C	Mx	.112	.5
34	MP3C	X	-67.52	4.5
35	MP3C	Z	116.948	4.5
36	MP3C	Mx	.112	4.5
37	MP2A	X	-32.308	2
38	MP2A	Z	55.958	2
39	MP2A	Mx	.016	2
40	MP2A	X	-32.308	4
41	MP2A	Z	55.958	4
42	MP2A	Mx	.016	4
43	MP2B	X	-17.63	2
44	MP2B	Z	30.536	2
45	MP2B	Mx	-0.017	2
46	MP2B	X	-17.63	4
47	MP2B	Z	30.536	4
48	MP2B	Mx	-0.017	4
49	MP2C	X	-32.308	2
50	MP2C	Z	55.958	2
51	MP2C	Mx	.016	2
52	MP2C	X	-32.308	4
53	MP2C	Z	55.958	4
54	MP2C	Mx	.016	4
55	MP3A	X	-5.537	1
56	MP3A	Z	9.591	1
57	MP3A	Mx	-0.003	1
58	MP3B	X	-4.367	1
59	MP3B	Z	7.564	1
60	MP3B	Mx	.004	1
61	MP3C	X	-5.537	1
62	MP3C	Z	9.591	1
63	MP3C	Mx	-0.003	1
64	MP3A	X	-27.808	2.5
65	MP3A	Z	48.165	2.5
66	MP3A	Mx	-0.014	2.5
67	MP3B	X	-21.444	2.5
68	MP3B	Z	37.142	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
69	MP3B	Mx	.02	2.5
70	MP3C	X	-27.808	2.5
71	MP3C	Z	48.165	2.5
72	MP3C	Mx	-.014	2.5
73	MP4A	X	-26.845	2.5
74	MP4A	Z	46.497	2.5
75	MP4A	Mx	-.013	2.5
76	MP4B	X	-18.044	2.5
77	MP4B	Z	31.253	2.5
78	MP4B	Mx	.017	2.5
79	MP4C	X	-26.845	2.5
80	MP4C	Z	46.497	2.5
81	MP4C	Mx	-.013	2.5
82	M101	X	-45.871	1.5
83	M101	Z	79.451	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP3A	X	-94.995	.5
2	MP3A	Z	54.846	.5
3	MP3A	Mx	.084	.5
4	MP3A	X	-94.995	4.5
5	MP3A	Z	54.846	4.5
6	MP3A	Mx	.084	4.5
7	MP3B	X	-94.995	.5
8	MP3B	Z	54.846	.5
9	MP3B	Mx	-.011	.5
10	MP3B	X	-94.995	4.5
11	MP3B	Z	54.846	4.5
12	MP3B	Mx	-.011	4.5
13	MP3C	X	-127.924	.5
14	MP3C	Z	73.857	.5
15	MP3C	Mx	-.098	.5
16	MP3C	X	-127.924	4.5
17	MP3C	Z	73.857	4.5
18	MP3C	Mx	-.098	4.5
19	MP3A	X	-94.995	.5
20	MP3A	Z	54.846	.5
21	MP3A	Mx	.011	.5
22	MP3A	X	-94.995	4.5
23	MP3A	Z	54.846	4.5
24	MP3A	Mx	.011	4.5
25	MP3B	X	-85.343	.5
26	MP3B	Z	49.273	.5
27	MP3B	Mx	-.06	.5
28	MP3B	X	-85.343	4.5
29	MP3B	Z	49.273	4.5
30	MP3B	Mx	-.06	4.5
31	MP3C	X	-127.924	.5
32	MP3C	Z	73.857	.5
33	MP3C	Mx	.098	.5
34	MP3C	X	-127.924	4.5
35	MP3C	Z	73.857	4.5
36	MP3C	Mx	.098	4.5
37	MP2A	X	-35.878	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
38	MP2A	Z	20.714	2
39	MP2A	Mx	.018	2
40	MP2A	X	-35.878	4
41	MP2A	Z	20.714	4
42	MP2A	Mx	.018	4
43	MP2B	X	-27.049	2
44	MP2B	Z	15.617	2
45	MP2B	Mx	-.015	2
46	MP2B	X	-27.049	4
47	MP2B	Z	15.617	4
48	MP2B	Mx	-.015	4
49	MP2C	X	-65.998	2
50	MP2C	Z	38.104	2
51	MP2C	Mx	0	2
52	MP2C	X	-65.998	4
53	MP2C	Z	38.104	4
54	MP2C	Mx	0	4
55	MP3A	X	-7.99	1
56	MP3A	Z	4.613	1
57	MP3A	Mx	-.004	1
58	MP3B	X	-7.286	1
59	MP3B	Z	4.207	1
60	MP3B	Mx	.004	1
61	MP3C	X	-10.391	1
62	MP3C	Z	5.999	1
63	MP3C	Mx	0	1
64	MP3A	X	-39.459	2.5
65	MP3A	Z	22.781	2.5
66	MP3A	Mx	-.02	2.5
67	MP3B	X	-35.631	2.5
68	MP3B	Z	20.571	2.5
69	MP3B	Mx	.02	2.5
70	MP3C	X	-52.518	2.5
71	MP3C	Z	30.321	2.5
72	MP3C	Mx	0	2.5
73	MP4A	X	-34.456	2.5
74	MP4A	Z	19.893	2.5
75	MP4A	Mx	-.017	2.5
76	MP4B	X	-29.162	2.5
77	MP4B	Z	16.836	2.5
78	MP4B	Mx	.017	2.5
79	MP4C	X	-52.518	2.5
80	MP4C	Z	30.321	2.5
81	MP4C	Mx	0	2.5
82	M101	X	-70.455	1.5
83	M101	Z	40.677	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-97.017	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.049	.5
4	MP3A	X	-97.017	4.5
5	MP3A	Z	0	4.5
6	MP3A	Mx	.049	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
7	MP3B	X	-135.04	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.044	.5
10	MP3B	X	-135.04	4.5
11	MP3B	Z	0	4.5
12	MP3B	Mx	.044	4.5
13	MP3C	X	-135.04	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.112	.5
16	MP3C	X	-135.04	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	-.112	4.5
19	MP3A	X	-97.017	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.049	.5
22	MP3A	X	-97.017	4.5
23	MP3A	Z	0	4.5
24	MP3A	Mx	.049	4.5
25	MP3B	X	-117.964	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.096	.5
28	MP3B	X	-117.964	4.5
29	MP3B	Z	0	4.5
30	MP3B	Mx	-.096	4.5
31	MP3C	X	-135.04	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.044	.5
34	MP3C	X	-135.04	4.5
35	MP3C	Z	0	4.5
36	MP3C	Mx	.044	4.5
37	MP2A	X	-29.835	2
38	MP2A	Z	0	2
39	MP2A	Mx	.015	2
40	MP2A	X	-29.835	4
41	MP2A	Z	0	4
42	MP2A	Mx	.015	4
43	MP2B	X	-48.996	2
44	MP2B	Z	0	2
45	MP2B	Mx	-.019	2
46	MP2B	X	-48.996	4
47	MP2B	Z	0	4
48	MP2B	Mx	-.019	4
49	MP2C	X	-64.615	2
50	MP2C	Z	0	2
51	MP2C	Mx	-.016	2
52	MP2C	X	-64.615	4
53	MP2C	Z	0	4
54	MP2C	Mx	-.016	4
55	MP3A	X	-8.302	1
56	MP3A	Z	0	1
57	MP3A	Mx	-.004	1
58	MP3B	X	-9.829	1
59	MP3B	Z	0	1
60	MP3B	Mx	.004	1
61	MP3C	X	-11.075	1
62	MP3C	Z	0	1
63	MP3C	Mx	.003	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
64	MP3A	X	-40.536	2.5
65	MP3A	Z	0	2.5
66	MP3A	Mx	-.02	2.5
67	MP3B	X	-48.844	2.5
68	MP3B	Z	0	2.5
69	MP3B	Mx	.019	2.5
70	MP3C	X	-55.616	2.5
71	MP3C	Z	0	2.5
72	MP3C	Mx	.014	2.5
73	MP4A	X	-32.834	2.5
74	MP4A	Z	0	2.5
75	MP4A	Mx	-.016	2.5
76	MP4B	X	-44.324	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	.017	2.5
79	MP4C	X	-53.69	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	.013	2.5
82	M101	X	-91.742	1.5
83	M101	Z	0	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-94.995	.5
2	MP3A	Z	-54.846	.5
3	MP3A	Mx	.011	.5
4	MP3A	X	-94.995	4.5
5	MP3A	Z	-54.846	4.5
6	MP3A	Mx	.011	4.5
7	MP3B	X	-127.924	.5
8	MP3B	Z	-73.857	.5
9	MP3B	Mx	.098	.5
10	MP3B	X	-127.924	4.5
11	MP3B	Z	-73.857	4.5
12	MP3B	Mx	.098	4.5
13	MP3C	X	-94.995	.5
14	MP3C	Z	-54.846	.5
15	MP3C	Mx	-.084	.5
16	MP3C	X	-94.995	4.5
17	MP3C	Z	-54.846	4.5
18	MP3C	Mx	-.084	4.5
19	MP3A	X	-94.995	.5
20	MP3A	Z	-54.846	.5
21	MP3A	Mx	.084	.5
22	MP3A	X	-94.995	4.5
23	MP3A	Z	-54.846	4.5
24	MP3A	Mx	.084	4.5
25	MP3B	X	-122.788	.5
26	MP3B	Z	-70.892	.5
27	MP3B	Mx	-.113	.5
28	MP3B	X	-122.788	4.5
29	MP3B	Z	-70.892	4.5
30	MP3B	Mx	-.113	4.5
31	MP3C	X	-94.995	.5
32	MP3C	Z	-54.846	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
33	MP3C	Mx	-.011	.5
34	MP3C	X	-94.995	4.5
35	MP3C	Z	-54.846	4.5
36	MP3C	Mx	-.011	4.5
37	MP2A	X	-35.878	2
38	MP2A	Z	-20.714	2
39	MP2A	Mx	.018	2
40	MP2A	X	-35.878	4
41	MP2A	Z	-20.714	4
42	MP2A	Mx	.018	4
43	MP2B	X	-61.3	2
44	MP2B	Z	-35.392	2
45	MP2B	Mx	-.012	2
46	MP2B	X	-61.3	4
47	MP2B	Z	-35.392	4
48	MP2B	Mx	-.012	4
49	MP2C	X	-35.878	2
50	MP2C	Z	-20.714	2
51	MP2C	Mx	-.018	2
52	MP2C	X	-35.878	4
53	MP2C	Z	-20.714	4
54	MP2C	Mx	-.018	4
55	MP3A	X	-7.99	1
56	MP3A	Z	-4.613	1
57	MP3A	Mx	-.004	1
58	MP3B	X	-10.017	1
59	MP3B	Z	-5.783	1
60	MP3B	Mx	.002	1
61	MP3C	X	-7.99	1
62	MP3C	Z	-4.613	1
63	MP3C	Mx	.004	1
64	MP3A	X	-39.459	2.5
65	MP3A	Z	-22.781	2.5
66	MP3A	Mx	-.02	2.5
67	MP3B	X	-50.481	2.5
68	MP3B	Z	-29.145	2.5
69	MP3B	Mx	.01	2.5
70	MP3C	X	-39.459	2.5
71	MP3C	Z	-22.781	2.5
72	MP3C	Mx	.02	2.5
73	MP4A	X	-34.456	2.5
74	MP4A	Z	-19.893	2.5
75	MP4A	Mx	-.017	2.5
76	MP4B	X	-49.701	2.5
77	MP4B	Z	-28.695	2.5
78	MP4B	Mx	.01	2.5
79	MP4C	X	-34.456	2.5
80	MP4C	Z	-19.893	2.5
81	MP4C	Mx	.017	2.5
82	M101	X	-97.444	1.5
83	M101	Z	-56.259	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-67.52	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
2	MP3A	Z	-116.948	.5
3	MP3A	Mx	-.044	.5
4	MP3A	X	-67.52	4.5
5	MP3A	Z	-116.948	4.5
6	MP3A	Mx	-.044	4.5
7	MP3B	X	-67.52	.5
8	MP3B	Z	-116.948	.5
9	MP3B	Mx	.112	.5
10	MP3B	X	-67.52	4.5
11	MP3B	Z	-116.948	4.5
12	MP3B	Mx	.112	4.5
13	MP3C	X	-48.508	.5
14	MP3C	Z	-84.019	.5
15	MP3C	Mx	-.049	.5
16	MP3C	X	-48.508	4.5
17	MP3C	Z	-84.019	4.5
18	MP3C	Mx	-.049	4.5
19	MP3A	X	-67.52	.5
20	MP3A	Z	-116.948	.5
21	MP3A	Mx	.112	.5
22	MP3A	X	-67.52	4.5
23	MP3A	Z	-116.948	4.5
24	MP3A	Mx	.112	4.5
25	MP3B	X	-73.093	.5
26	MP3B	Z	-126.6	.5
27	MP3B	Mx	-.083	.5
28	MP3B	X	-73.093	4.5
29	MP3B	Z	-126.6	4.5
30	MP3B	Mx	-.083	4.5
31	MP3C	X	-48.508	.5
32	MP3C	Z	-84.019	.5
33	MP3C	Mx	-.049	.5
34	MP3C	X	-48.508	4.5
35	MP3C	Z	-84.019	4.5
36	MP3C	Mx	-.049	4.5
37	MP2A	X	-32.308	2
38	MP2A	Z	-55.958	2
39	MP2A	Mx	.016	2
40	MP2A	X	-32.308	4
41	MP2A	Z	-55.958	4
42	MP2A	Mx	.016	4
43	MP2B	X	-37.405	2
44	MP2B	Z	-64.787	2
45	MP2B	Mx	.006	2
46	MP2B	X	-37.405	4
47	MP2B	Z	-64.787	4
48	MP2B	Mx	.006	4
49	MP2C	X	-14.918	2
50	MP2C	Z	-25.838	2
51	MP2C	Mx	-.015	2
52	MP2C	X	-14.918	4
53	MP2C	Z	-25.838	4
54	MP2C	Mx	-.015	4
55	MP3A	X	-5.537	1
56	MP3A	Z	-9.591	1
57	MP3A	Mx	-.003	1
58	MP3B	X	-5.944	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%,]
59	MP3B	Z	-10.295	1
60	MP3B	Mx	-.001	1
61	MP3C	X	-4.151	1
62	MP3C	Z	-7.19	1
63	MP3C	Mx	.004	1
64	MP3A	X	-27.808	2.5
65	MP3A	Z	-48.165	2.5
66	MP3A	Mx	-.014	2.5
67	MP3B	X	-30.018	2.5
68	MP3B	Z	-51.993	2.5
69	MP3B	Mx	-.005	2.5
70	MP3C	X	-20.268	2.5
71	MP3C	Z	-35.105	2.5
72	MP3C	Mx	.02	2.5
73	MP4A	X	-26.845	2.5
74	MP4A	Z	-46.497	2.5
75	MP4A	Mx	-.013	2.5
76	MP4B	X	-29.902	2.5
77	MP4B	Z	-51.792	2.5
78	MP4B	Mx	-.005	2.5
79	MP4C	X	-16.417	2.5
80	MP4C	Z	-28.435	2.5
81	MP4C	Mx	.016	2.5
82	M101	X	-61.453	1.5
83	M101	Z	-106.44	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%,]
1	MP3A	X	0	.5
2	MP3A	Z	-29.062	.5
3	MP3A	Mx	-.019	.5
4	MP3A	X	0	4.5
5	MP3A	Z	-29.062	4.5
6	MP3A	Mx	-.019	4.5
7	MP3B	X	0	.5
8	MP3B	Z	-22.134	.5
9	MP3B	Mx	.017	.5
10	MP3B	X	0	4.5
11	MP3B	Z	-22.134	4.5
12	MP3B	Mx	.017	4.5
13	MP3C	X	0	.5
14	MP3C	Z	-22.134	.5
15	MP3C	Mx	-.002	.5
16	MP3C	X	0	4.5
17	MP3C	Z	-22.134	4.5
18	MP3C	Mx	-.002	4.5
19	MP3A	X	0	.5
20	MP3A	Z	-29.062	.5
21	MP3A	Mx	.019	.5
22	MP3A	X	0	4.5
23	MP3A	Z	-29.062	4.5
24	MP3A	Mx	.019	4.5
25	MP3B	X	0	.5
26	MP3B	Z	-25.246	.5
27	MP3B	Mx	-.005	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
28	MP3B	X	0	4.5
29	MP3B	Z	-25.246	4.5
30	MP3B	Mx	-.005	4.5
31	MP3C	X	0	.5
32	MP3C	Z	-22.134	.5
33	MP3C	Mx	-.017	.5
34	MP3C	X	0	4.5
35	MP3C	Z	-22.134	4.5
36	MP3C	Mx	-.017	4.5
37	MP2A	X	0	2
38	MP2A	Z	-15.457	2
39	MP2A	Mx	0	2
40	MP2A	X	0	4
41	MP2A	Z	-15.457	4
42	MP2A	Mx	0	4
43	MP2B	X	0	2
44	MP2B	Z	-11.791	2
45	MP2B	Mx	.004	2
46	MP2B	X	0	4
47	MP2B	Z	-11.791	4
48	MP2B	Mx	.004	4
49	MP2C	X	0	2
50	MP2C	Z	-8.802	2
51	MP2C	Mx	-.004	2
52	MP2C	X	0	4
53	MP2C	Z	-8.802	4
54	MP2C	Mx	-.004	4
55	MP3A	X	0	1
56	MP3A	Z	-3.162	1
57	MP3A	Mx	0	1
58	MP3B	X	0	1
59	MP3B	Z	-2.836	1
60	MP3B	Mx	-.000911	1
61	MP3C	X	0	1
62	MP3C	Z	-2.57	1
63	MP3C	Mx	.001	1
64	MP3A	X	0	2.5
65	MP3A	Z	-13.027	2.5
66	MP3A	Mx	0	2.5
67	MP3B	X	0	2.5
68	MP3B	Z	-11.389	2.5
69	MP3B	Mx	-.004	2.5
70	MP3C	X	0	2.5
71	MP3C	Z	-10.053	2.5
72	MP3C	Mx	.004	2.5
73	MP4A	X	0	2.5
74	MP4A	Z	-13.027	2.5
75	MP4A	Mx	0	2.5
76	MP4B	X	0	2.5
77	MP4B	Z	-10.766	2.5
78	MP4B	Mx	-.003	2.5
79	MP4C	X	0	2.5
80	MP4C	Z	-8.923	2.5
81	MP4C	Mx	.004	2.5
82	M101	X	0	1.5
83	M101	Z	-23.098	1.5
84	M101	Mx	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	13.376	.5
2	MP3A	Z	-23.169	.5
3	MP3A	Mx	-.022	.5
4	MP3A	X	13.376	4.5
5	MP3A	Z	-23.169	4.5
6	MP3A	Mx	-.022	4.5
7	MP3B	X	9.912	.5
8	MP3B	Z	-17.169	.5
9	MP3B	Mx	.01	.5
10	MP3B	X	9.912	4.5
11	MP3B	Z	-17.169	4.5
12	MP3B	Mx	.01	4.5
13	MP3C	X	13.376	.5
14	MP3C	Z	-23.169	.5
15	MP3C	Mx	.009	.5
16	MP3C	X	13.376	4.5
17	MP3C	Z	-23.169	4.5
18	MP3C	Mx	.009	4.5
19	MP3A	X	13.376	.5
20	MP3A	Z	-23.169	.5
21	MP3A	Mx	.009	.5
22	MP3A	X	13.376	4.5
23	MP3A	Z	-23.169	4.5
24	MP3A	Mx	.009	4.5
25	MP3B	X	10.453	.5
26	MP3B	Z	-18.105	.5
27	MP3B	Mx	.005	.5
28	MP3B	X	10.453	4.5
29	MP3B	Z	-18.105	4.5
30	MP3B	Mx	.005	4.5
31	MP3C	X	13.376	.5
32	MP3C	Z	-23.169	.5
33	MP3C	Mx	-.022	.5
34	MP3C	X	13.376	4.5
35	MP3C	Z	-23.169	4.5
36	MP3C	Mx	-.022	4.5
37	MP2A	X	6.619	2
38	MP2A	Z	-11.465	2
39	MP2A	Mx	-.003	2
40	MP2A	X	6.619	4
41	MP2A	Z	-11.465	4
42	MP2A	Mx	-.003	4
43	MP2B	X	3.811	2
44	MP2B	Z	-6.601	2
45	MP2B	Mx	.004	2
46	MP2B	X	3.811	4
47	MP2B	Z	-6.601	4
48	MP2B	Mx	.004	4
49	MP2C	X	6.619	2
50	MP2C	Z	-11.465	2
51	MP2C	Mx	-.003	2
52	MP2C	X	6.619	4
53	MP2C	Z	-11.465	4
54	MP2C	Mx	-.003	4
55	MP3A	X	1.482	1
56	MP3A	Z	-2.568	1
57	MP3A	Mx	.000741	1



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP3B	X	1.233	1
59	MP3B	Z	-2.135	1
60	MP3B	Mx	-.001	1
61	MP3C	X	1.482	1
62	MP3C	Z	-2.568	1
63	MP3C	Mx	.000741	1
64	MP3A	X	6.018	2.5
65	MP3A	Z	-10.423	2.5
66	MP3A	Mx	.003	2.5
67	MP3B	X	4.763	2.5
68	MP3B	Z	-8.249	2.5
69	MP3B	Mx	-.004	2.5
70	MP3C	X	6.018	2.5
71	MP3C	Z	-10.423	2.5
72	MP3C	Mx	.003	2.5
73	MP4A	X	5.83	2.5
74	MP4A	Z	-10.097	2.5
75	MP4A	Mx	.003	2.5
76	MP4B	X	4.097	2.5
77	MP4B	Z	-7.097	2.5
78	MP4B	Mx	-.004	2.5
79	MP4C	X	5.83	2.5
80	MP4C	Z	-10.097	2.5
81	MP4C	Mx	.003	2.5
82	M101	X	9.568	1.5
83	M101	Z	-16.572	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	19.169	.5
2	MP3A	Z	-11.067	.5
3	MP3A	Mx	-.017	.5
4	MP3A	X	19.169	4.5
5	MP3A	Z	-11.067	4.5
6	MP3A	Mx	-.017	4.5
7	MP3B	X	19.169	.5
8	MP3B	Z	-11.067	.5
9	MP3B	Mx	.002	.5
10	MP3B	X	19.169	4.5
11	MP3B	Z	-11.067	4.5
12	MP3B	Mx	.002	4.5
13	MP3C	X	25.169	.5
14	MP3C	Z	-14.531	.5
15	MP3C	Mx	.019	.5
16	MP3C	X	25.169	4.5
17	MP3C	Z	-14.531	4.5
18	MP3C	Mx	.019	4.5
19	MP3A	X	19.169	.5
20	MP3A	Z	-11.067	.5
21	MP3A	Mx	-.002	.5
22	MP3A	X	19.169	4.5
23	MP3A	Z	-11.067	4.5
24	MP3A	Mx	-.002	4.5
25	MP3B	X	17.41	.5
26	MP3B	Z	-10.052	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
27	MP3B	Mx	.012	.5
28	MP3B	X	17.41	4.5
29	MP3B	Z	-10.052	4.5
30	MP3B	Mx	.012	4.5
31	MP3C	X	25.169	.5
32	MP3C	Z	-14.531	.5
33	MP3C	Mx	-.019	.5
34	MP3C	X	25.169	4.5
35	MP3C	Z	-14.531	4.5
36	MP3C	Mx	-.019	4.5
37	MP2A	X	7.623	2
38	MP2A	Z	-4.401	2
39	MP2A	Mx	-.004	2
40	MP2A	X	7.623	4
41	MP2A	Z	-4.401	4
42	MP2A	Mx	-.004	4
43	MP2B	X	5.934	2
44	MP2B	Z	-3.426	2
45	MP2B	Mx	.003	2
46	MP2B	X	5.934	4
47	MP2B	Z	-3.426	4
48	MP2B	Mx	.003	4
49	MP2C	X	13.386	2
50	MP2C	Z	-7.729	2
51	MP2C	Mx	0	2
52	MP2C	X	13.386	4
53	MP2C	Z	-7.729	4
54	MP2C	Mx	0	4
55	MP3A	X	2.226	1
56	MP3A	Z	-1.285	1
57	MP3A	Mx	.001	1
58	MP3B	X	2.076	1
59	MP3B	Z	-1.198	1
60	MP3B	Mx	-.001	1
61	MP3C	X	2.738	1
62	MP3C	Z	-1.581	1
63	MP3C	Mx	0	1
64	MP3A	X	8.706	2.5
65	MP3A	Z	-5.027	2.5
66	MP3A	Mx	.004	2.5
67	MP3B	X	7.951	2.5
68	MP3B	Z	-4.591	2.5
69	MP3B	Mx	-.005	2.5
70	MP3C	X	11.282	2.5
71	MP3C	Z	-6.514	2.5
72	MP3C	Mx	0	2.5
73	MP4A	X	7.727	2.5
74	MP4A	Z	-4.461	2.5
75	MP4A	Mx	.004	2.5
76	MP4B	X	6.686	2.5
77	MP4B	Z	-3.86	2.5
78	MP4B	Mx	-.004	2.5
79	MP4C	X	11.282	2.5
80	MP4C	Z	-6.514	2.5
81	MP4C	Mx	0	2.5
82	M101	X	14.856	1.5
83	M101	Z	-8.577	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	19.825	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.01	.5
4	MP3A	X	19.825	4.5
5	MP3A	Z	0	4.5
6	MP3A	Mx	-.01	4.5
7	MP3B	X	26.753	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.009	.5
10	MP3B	X	26.753	4.5
11	MP3B	Z	0	4.5
12	MP3B	Mx	-.009	4.5
13	MP3C	X	26.753	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.022	.5
16	MP3C	X	26.753	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	.022	4.5
19	MP3A	X	19.825	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.01	.5
22	MP3A	X	19.825	4.5
23	MP3A	Z	0	4.5
24	MP3A	Mx	-.01	4.5
25	MP3B	X	23.641	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.019	.5
28	MP3B	X	23.641	4.5
29	MP3B	Z	0	4.5
30	MP3B	Mx	.019	4.5
31	MP3C	X	26.753	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.009	.5
34	MP3C	X	26.753	4.5
35	MP3C	Z	0	4.5
36	MP3C	Mx	-.009	4.5
37	MP2A	X	6.584	2
38	MP2A	Z	0	2
39	MP2A	Mx	-.003	2
40	MP2A	X	6.584	4
41	MP2A	Z	0	4
42	MP2A	Mx	-.003	4
43	MP2B	X	10.25	2
44	MP2B	Z	0	2
45	MP2B	Mx	.004	2
46	MP2B	X	10.25	4
47	MP2B	Z	0	4
48	MP2B	Mx	.004	4
49	MP2C	X	13.239	2
50	MP2C	Z	0	2
51	MP2C	Mx	.003	2
52	MP2C	X	13.239	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
53	MP2C	Z	0	4
54	MP2C	Mx	.003	4
55	MP3A	X	2.373	1
56	MP3A	Z	0	1
57	MP3A	Mx	.001	1
58	MP3B	X	2.699	1
59	MP3B	Z	0	1
60	MP3B	Mx	-.001	1
61	MP3C	X	2.965	1
62	MP3C	Z	0	1
63	MP3C	Mx	-.000741	1
64	MP3A	X	9.062	2.5
65	MP3A	Z	0	2.5
66	MP3A	Mx	.005	2.5
67	MP3B	X	10.7	2.5
68	MP3B	Z	0	2.5
69	MP3B	Mx	-.004	2.5
70	MP3C	X	12.036	2.5
71	MP3C	Z	0	2.5
72	MP3C	Mx	-.003	2.5
73	MP4A	X	7.555	2.5
74	MP4A	Z	0	2.5
75	MP4A	Mx	.004	2.5
76	MP4B	X	9.816	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	-.004	2.5
79	MP4C	X	11.659	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	-.003	2.5
82	M101	X	19.136	1.5
83	M101	Z	0	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	19.169	.5
2	MP3A	Z	11.067	.5
3	MP3A	Mx	-.002	.5
4	MP3A	X	19.169	4.5
5	MP3A	Z	11.067	4.5
6	MP3A	Mx	-.002	4.5
7	MP3B	X	25.169	.5
8	MP3B	Z	14.531	.5
9	MP3B	Mx	-.019	.5
10	MP3B	X	25.169	4.5
11	MP3B	Z	14.531	4.5
12	MP3B	Mx	-.019	4.5
13	MP3C	X	19.169	.5
14	MP3C	Z	11.067	.5
15	MP3C	Mx	.017	.5
16	MP3C	X	19.169	4.5
17	MP3C	Z	11.067	4.5
18	MP3C	Mx	.017	4.5
19	MP3A	X	19.169	.5
20	MP3A	Z	11.067	.5
21	MP3A	Mx	-.017	.5



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
22	MP3A	X	19.169	4.5
23	MP3A	Z	11.067	4.5
24	MP3A	Mx	-.017	4.5
25	MP3B	X	24.233	.5
26	MP3B	Z	13.991	.5
27	MP3B	Mx	.022	.5
28	MP3B	X	24.233	4.5
29	MP3B	Z	13.991	4.5
30	MP3B	Mx	.022	4.5
31	MP3C	X	19.169	.5
32	MP3C	Z	11.067	.5
33	MP3C	Mx	.002	.5
34	MP3C	X	19.169	4.5
35	MP3C	Z	11.067	4.5
36	MP3C	Mx	.002	4.5
37	MP2A	X	7.623	2
38	MP2A	Z	4.401	2
39	MP2A	Mx	-.004	2
40	MP2A	X	7.623	4
41	MP2A	Z	4.401	4
42	MP2A	Mx	-.004	4
43	MP2B	X	12.487	2
44	MP2B	Z	7.21	2
45	MP2B	Mx	.002	2
46	MP2B	X	12.487	4
47	MP2B	Z	7.21	4
48	MP2B	Mx	.002	4
49	MP2C	X	7.623	2
50	MP2C	Z	4.401	2
51	MP2C	Mx	.004	2
52	MP2C	X	7.623	4
53	MP2C	Z	4.401	4
54	MP2C	Mx	.004	4
55	MP3A	X	2.226	1
56	MP3A	Z	1.285	1
57	MP3A	Mx	.001	1
58	MP3B	X	2.658	1
59	MP3B	Z	1.535	1
60	MP3B	Mx	-.000525	1
61	MP3C	X	2.226	1
62	MP3C	Z	1.285	1
63	MP3C	Mx	-.001	1
64	MP3A	X	8.706	2.5
65	MP3A	Z	5.027	2.5
66	MP3A	Mx	.004	2.5
67	MP3B	X	10.88	2.5
68	MP3B	Z	6.282	2.5
69	MP3B	Mx	-.002	2.5
70	MP3C	X	8.706	2.5
71	MP3C	Z	5.027	2.5
72	MP3C	Mx	-.004	2.5
73	MP4A	X	7.727	2.5
74	MP4A	Z	4.461	2.5
75	MP4A	Mx	.004	2.5
76	MP4B	X	10.728	2.5
77	MP4B	Z	6.194	2.5
78	MP4B	Mx	-.002	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
79	MP4C	X	7.727	2.5
80	MP4C	Z	4.461	2.5
81	MP4C	Mx	-.004	2.5
82	M101	X	20.003	1.5
83	M101	Z	11.549	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	13.376	.5
2	MP3A	Z	23.169	.5
3	MP3A	Mx	.009	.5
4	MP3A	X	13.376	4.5
5	MP3A	Z	23.169	4.5
6	MP3A	Mx	.009	4.5
7	MP3B	X	13.376	.5
8	MP3B	Z	23.169	.5
9	MP3B	Mx	-.022	.5
10	MP3B	X	13.376	4.5
11	MP3B	Z	23.169	4.5
12	MP3B	Mx	-.022	4.5
13	MP3C	X	9.912	.5
14	MP3C	Z	17.169	.5
15	MP3C	Mx	.01	.5
16	MP3C	X	9.912	4.5
17	MP3C	Z	17.169	4.5
18	MP3C	Mx	.01	4.5
19	MP3A	X	13.376	.5
20	MP3A	Z	23.169	.5
21	MP3A	Mx	-.022	.5
22	MP3A	X	13.376	4.5
23	MP3A	Z	23.169	4.5
24	MP3A	Mx	-.022	4.5
25	MP3B	X	14.392	.5
26	MP3B	Z	24.927	.5
27	MP3B	Mx	.016	.5
28	MP3B	X	14.392	4.5
29	MP3B	Z	24.927	4.5
30	MP3B	Mx	.016	4.5
31	MP3C	X	9.912	.5
32	MP3C	Z	17.169	.5
33	MP3C	Mx	.01	.5
34	MP3C	X	9.912	4.5
35	MP3C	Z	17.169	4.5
36	MP3C	Mx	.01	4.5
37	MP2A	X	6.619	2
38	MP2A	Z	11.465	2
39	MP2A	Mx	-.003	2
40	MP2A	X	6.619	4
41	MP2A	Z	11.465	4
42	MP2A	Mx	-.003	4
43	MP2B	X	7.595	2
44	MP2B	Z	13.155	2
45	MP2B	Mx	-.001	2
46	MP2B	X	7.595	4
47	MP2B	Z	13.155	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
48	MP2B	Mx	-.001	4
49	MP2C	X	3.292	2
50	MP2C	Z	5.702	2
51	MP2C	Mx	.003	2
52	MP2C	X	3.292	4
53	MP2C	Z	5.702	4
54	MP2C	Mx	.003	4
55	MP3A	X	1.482	1
56	MP3A	Z	2.568	1
57	MP3A	Mx	.000741	1
58	MP3B	X	1.569	1
59	MP3B	Z	2.718	1
60	MP3B	Mx	.000273	1
61	MP3C	X	1.186	1
62	MP3C	Z	2.055	1
63	MP3C	Mx	-.001	1
64	MP3A	X	6.018	2.5
65	MP3A	Z	10.423	2.5
66	MP3A	Mx	.003	2.5
67	MP3B	X	6.454	2.5
68	MP3B	Z	11.178	2.5
69	MP3B	Mx	.001	2.5
70	MP3C	X	4.531	2.5
71	MP3C	Z	7.848	2.5
72	MP3C	Mx	-.005	2.5
73	MP4A	X	5.83	2.5
74	MP4A	Z	10.097	2.5
75	MP4A	Mx	.003	2.5
76	MP4B	X	6.431	2.5
77	MP4B	Z	11.139	2.5
78	MP4B	Mx	.001	2.5
79	MP4C	X	3.777	2.5
80	MP4C	Z	6.543	2.5
81	MP4C	Mx	-.004	2.5
82	M101	X	12.54	1.5
83	M101	Z	21.719	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	29.062	.5
3	MP3A	Mx	.019	.5
4	MP3A	X	0	4.5
5	MP3A	Z	29.062	4.5
6	MP3A	Mx	.019	4.5
7	MP3B	X	0	.5
8	MP3B	Z	22.134	.5
9	MP3B	Mx	-.017	.5
10	MP3B	X	0	4.5
11	MP3B	Z	22.134	4.5
12	MP3B	Mx	-.017	4.5
13	MP3C	X	0	.5
14	MP3C	Z	22.134	.5
15	MP3C	Mx	.002	.5
16	MP3C	X	0	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
17	MP3C	Z	22.134	4.5
18	MP3C	Mx	.002	4.5
19	MP3A	X	0	.5
20	MP3A	Z	29.062	.5
21	MP3A	Mx	-.019	.5
22	MP3A	X	0	4.5
23	MP3A	Z	29.062	4.5
24	MP3A	Mx	-.019	4.5
25	MP3B	X	0	.5
26	MP3B	Z	25.246	.5
27	MP3B	Mx	.005	.5
28	MP3B	X	0	4.5
29	MP3B	Z	25.246	4.5
30	MP3B	Mx	.005	4.5
31	MP3C	X	0	.5
32	MP3C	Z	22.134	.5
33	MP3C	Mx	.017	.5
34	MP3C	X	0	4.5
35	MP3C	Z	22.134	4.5
36	MP3C	Mx	.017	4.5
37	MP2A	X	0	2
38	MP2A	Z	15.457	2
39	MP2A	Mx	0	2
40	MP2A	X	0	4
41	MP2A	Z	15.457	4
42	MP2A	Mx	0	4
43	MP2B	X	0	2
44	MP2B	Z	11.791	2
45	MP2B	Mx	-.004	2
46	MP2B	X	0	4
47	MP2B	Z	11.791	4
48	MP2B	Mx	-.004	4
49	MP2C	X	0	2
50	MP2C	Z	8.802	2
51	MP2C	Mx	.004	2
52	MP2C	X	0	4
53	MP2C	Z	8.802	4
54	MP2C	Mx	.004	4
55	MP3A	X	0	1
56	MP3A	Z	3.162	1
57	MP3A	Mx	0	1
58	MP3B	X	0	1
59	MP3B	Z	2.836	1
60	MP3B	Mx	.000911	1
61	MP3C	X	0	1
62	MP3C	Z	2.57	1
63	MP3C	Mx	-.001	1
64	MP3A	X	0	2.5
65	MP3A	Z	13.027	2.5
66	MP3A	Mx	0	2.5
67	MP3B	X	0	2.5
68	MP3B	Z	11.389	2.5
69	MP3B	Mx	.004	2.5
70	MP3C	X	0	2.5
71	MP3C	Z	10.053	2.5
72	MP3C	Mx	-.004	2.5
73	MP4A	X	0	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
74	MP4A	Z	13.027	2.5
75	MP4A	Mx	0	2.5
76	MP4B	X	0	2.5
77	MP4B	Z	10.766	2.5
78	MP4B	Mx	.003	2.5
79	MP4C	X	0	2.5
80	MP4C	Z	8.923	2.5
81	MP4C	Mx	-.004	2.5
82	M101	X	0	1.5
83	M101	Z	23.098	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-13.376	.5
2	MP3A	Z	23.169	.5
3	MP3A	Mx	.022	.5
4	MP3A	X	-13.376	4.5
5	MP3A	Z	23.169	4.5
6	MP3A	Mx	.022	4.5
7	MP3B	X	-9.912	.5
8	MP3B	Z	17.169	.5
9	MP3B	Mx	-.01	.5
10	MP3B	X	-9.912	4.5
11	MP3B	Z	17.169	4.5
12	MP3B	Mx	-.01	4.5
13	MP3C	X	-13.376	.5
14	MP3C	Z	23.169	.5
15	MP3C	Mx	-.009	.5
16	MP3C	X	-13.376	4.5
17	MP3C	Z	23.169	4.5
18	MP3C	Mx	-.009	4.5
19	MP3A	X	-13.376	.5
20	MP3A	Z	23.169	.5
21	MP3A	Mx	-.009	.5
22	MP3A	X	-13.376	4.5
23	MP3A	Z	23.169	4.5
24	MP3A	Mx	-.009	4.5
25	MP3B	X	-10.453	.5
26	MP3B	Z	18.105	.5
27	MP3B	Mx	-.005	.5
28	MP3B	X	-10.453	4.5
29	MP3B	Z	18.105	4.5
30	MP3B	Mx	-.005	4.5
31	MP3C	X	-13.376	.5
32	MP3C	Z	23.169	.5
33	MP3C	Mx	.022	.5
34	MP3C	X	-13.376	4.5
35	MP3C	Z	23.169	4.5
36	MP3C	Mx	.022	4.5
37	MP2A	X	-6.619	2
38	MP2A	Z	11.465	2
39	MP2A	Mx	.003	2
40	MP2A	X	-6.619	4
41	MP2A	Z	11.465	4
42	MP2A	Mx	.003	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
43	MP2B	X	-3.811	2
44	MP2B	Z	6.601	2
45	MP2B	Mx	-.004	2
46	MP2B	X	-3.811	4
47	MP2B	Z	6.601	4
48	MP2B	Mx	-.004	4
49	MP2C	X	-6.619	2
50	MP2C	Z	11.465	2
51	MP2C	Mx	.003	2
52	MP2C	X	-6.619	4
53	MP2C	Z	11.465	4
54	MP2C	Mx	.003	4
55	MP3A	X	-1.482	1
56	MP3A	Z	2.568	1
57	MP3A	Mx	-.000741	1
58	MP3B	X	-1.233	1
59	MP3B	Z	2.135	1
60	MP3B	Mx	.001	1
61	MP3C	X	-1.482	1
62	MP3C	Z	2.568	1
63	MP3C	Mx	-.000741	1
64	MP3A	X	-6.018	2.5
65	MP3A	Z	10.423	2.5
66	MP3A	Mx	-.003	2.5
67	MP3B	X	-4.763	2.5
68	MP3B	Z	8.249	2.5
69	MP3B	Mx	.004	2.5
70	MP3C	X	-6.018	2.5
71	MP3C	Z	10.423	2.5
72	MP3C	Mx	-.003	2.5
73	MP4A	X	-5.83	2.5
74	MP4A	Z	10.097	2.5
75	MP4A	Mx	-.003	2.5
76	MP4B	X	-4.097	2.5
77	MP4B	Z	7.097	2.5
78	MP4B	Mx	.004	2.5
79	MP4C	X	-5.83	2.5
80	MP4C	Z	10.097	2.5
81	MP4C	Mx	-.003	2.5
82	M101	X	-9.568	1.5
83	M101	Z	16.572	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-19.169	.5
2	MP3A	Z	11.067	.5
3	MP3A	Mx	.017	.5
4	MP3A	X	-19.169	4.5
5	MP3A	Z	11.067	4.5
6	MP3A	Mx	.017	4.5
7	MP3B	X	-19.169	.5
8	MP3B	Z	11.067	.5
9	MP3B	Mx	-.002	.5
10	MP3B	X	-19.169	4.5
11	MP3B	Z	11.067	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP3B	Mx	-.002	4.5
13	MP3C	X	-25.169	.5
14	MP3C	Z	14.531	.5
15	MP3C	Mx	-.019	.5
16	MP3C	X	-25.169	4.5
17	MP3C	Z	14.531	4.5
18	MP3C	Mx	-.019	4.5
19	MP3A	X	-19.169	.5
20	MP3A	Z	11.067	.5
21	MP3A	Mx	.002	.5
22	MP3A	X	-19.169	4.5
23	MP3A	Z	11.067	4.5
24	MP3A	Mx	.002	4.5
25	MP3B	X	-17.41	.5
26	MP3B	Z	10.052	.5
27	MP3B	Mx	-.012	.5
28	MP3B	X	-17.41	4.5
29	MP3B	Z	10.052	4.5
30	MP3B	Mx	-.012	4.5
31	MP3C	X	-25.169	.5
32	MP3C	Z	14.531	.5
33	MP3C	Mx	.019	.5
34	MP3C	X	-25.169	4.5
35	MP3C	Z	14.531	4.5
36	MP3C	Mx	.019	4.5
37	MP2A	X	-7.623	2
38	MP2A	Z	4.401	2
39	MP2A	Mx	.004	2
40	MP2A	X	-7.623	4
41	MP2A	Z	4.401	4
42	MP2A	Mx	.004	4
43	MP2B	X	-5.934	2
44	MP2B	Z	3.426	2
45	MP2B	Mx	-.003	2
46	MP2B	X	-5.934	4
47	MP2B	Z	3.426	4
48	MP2B	Mx	-.003	4
49	MP2C	X	-13.386	2
50	MP2C	Z	7.729	2
51	MP2C	Mx	0	2
52	MP2C	X	-13.386	4
53	MP2C	Z	7.729	4
54	MP2C	Mx	0	4
55	MP3A	X	-2.226	1
56	MP3A	Z	1.285	1
57	MP3A	Mx	-.001	1
58	MP3B	X	-2.076	1
59	MP3B	Z	1.198	1
60	MP3B	Mx	.001	1
61	MP3C	X	-2.738	1
62	MP3C	Z	1.581	1
63	MP3C	Mx	0	1
64	MP3A	X	-8.706	2.5
65	MP3A	Z	5.027	2.5
66	MP3A	Mx	-.004	2.5
67	MP3B	X	-7.951	2.5
68	MP3B	Z	4.591	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
69	MP3B	Mx	.005	2.5
70	MP3C	X	-11.282	2.5
71	MP3C	Z	6.514	2.5
72	MP3C	Mx	0	2.5
73	MP4A	X	-7.727	2.5
74	MP4A	Z	4.461	2.5
75	MP4A	Mx	-.004	2.5
76	MP4B	X	-6.686	2.5
77	MP4B	Z	3.86	2.5
78	MP4B	Mx	.004	2.5
79	MP4C	X	-11.282	2.5
80	MP4C	Z	6.514	2.5
81	MP4C	Mx	0	2.5
82	M101	X	-14.856	1.5
83	M101	Z	8.577	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP3A	X	-19.825	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.01	.5
4	MP3A	X	-19.825	4.5
5	MP3A	Z	0	4.5
6	MP3A	Mx	.01	4.5
7	MP3B	X	-26.753	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.009	.5
10	MP3B	X	-26.753	4.5
11	MP3B	Z	0	4.5
12	MP3B	Mx	.009	4.5
13	MP3C	X	-26.753	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.022	.5
16	MP3C	X	-26.753	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	-.022	4.5
19	MP3A	X	-19.825	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.01	.5
22	MP3A	X	-19.825	4.5
23	MP3A	Z	0	4.5
24	MP3A	Mx	.01	4.5
25	MP3B	X	-23.641	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.019	.5
28	MP3B	X	-23.641	4.5
29	MP3B	Z	0	4.5
30	MP3B	Mx	-.019	4.5
31	MP3C	X	-26.753	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.009	.5
34	MP3C	X	-26.753	4.5
35	MP3C	Z	0	4.5
36	MP3C	Mx	.009	4.5
37	MP2A	X	-6.584	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
38	MP2A	Z	0	2
39	MP2A	Mx	.003	2
40	MP2A	X	-6.584	4
41	MP2A	Z	0	4
42	MP2A	Mx	.003	4
43	MP2B	X	-10.25	2
44	MP2B	Z	0	2
45	MP2B	Mx	-.004	2
46	MP2B	X	-10.25	4
47	MP2B	Z	0	4
48	MP2B	Mx	-.004	4
49	MP2C	X	-13.239	2
50	MP2C	Z	0	2
51	MP2C	Mx	-.003	2
52	MP2C	X	-13.239	4
53	MP2C	Z	0	4
54	MP2C	Mx	-.003	4
55	MP3A	X	-2.373	1
56	MP3A	Z	0	1
57	MP3A	Mx	-.001	1
58	MP3B	X	-2.699	1
59	MP3B	Z	0	1
60	MP3B	Mx	.001	1
61	MP3C	X	-2.965	1
62	MP3C	Z	0	1
63	MP3C	Mx	.000741	1
64	MP3A	X	-9.062	2.5
65	MP3A	Z	0	2.5
66	MP3A	Mx	-.005	2.5
67	MP3B	X	-10.7	2.5
68	MP3B	Z	0	2.5
69	MP3B	Mx	.004	2.5
70	MP3C	X	-12.036	2.5
71	MP3C	Z	0	2.5
72	MP3C	Mx	.003	2.5
73	MP4A	X	-7.555	2.5
74	MP4A	Z	0	2.5
75	MP4A	Mx	-.004	2.5
76	MP4B	X	-9.816	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	.004	2.5
79	MP4C	X	-11.659	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	.003	2.5
82	M101	X	-19.136	1.5
83	M101	Z	0	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-19.169	.5
2	MP3A	Z	-11.067	.5
3	MP3A	Mx	.002	.5
4	MP3A	X	-19.169	4.5
5	MP3A	Z	-11.067	4.5
6	MP3A	Mx	.002	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
7	MP3B	X	-25.169	.5
8	MP3B	Z	-14.531	.5
9	MP3B	Mx	.019	.5
10	MP3B	X	-25.169	4.5
11	MP3B	Z	-14.531	4.5
12	MP3B	Mx	.019	4.5
13	MP3C	X	-19.169	.5
14	MP3C	Z	-11.067	.5
15	MP3C	Mx	-.017	.5
16	MP3C	X	-19.169	4.5
17	MP3C	Z	-11.067	4.5
18	MP3C	Mx	-.017	4.5
19	MP3A	X	-19.169	.5
20	MP3A	Z	-11.067	.5
21	MP3A	Mx	.017	.5
22	MP3A	X	-19.169	4.5
23	MP3A	Z	-11.067	4.5
24	MP3A	Mx	.017	4.5
25	MP3B	X	-24.233	.5
26	MP3B	Z	-13.991	.5
27	MP3B	Mx	-.022	.5
28	MP3B	X	-24.233	4.5
29	MP3B	Z	-13.991	4.5
30	MP3B	Mx	-.022	4.5
31	MP3C	X	-19.169	.5
32	MP3C	Z	-11.067	.5
33	MP3C	Mx	-.002	.5
34	MP3C	X	-19.169	4.5
35	MP3C	Z	-11.067	4.5
36	MP3C	Mx	-.002	4.5
37	MP2A	X	-7.623	2
38	MP2A	Z	-4.401	2
39	MP2A	Mx	.004	2
40	MP2A	X	-7.623	4
41	MP2A	Z	-4.401	4
42	MP2A	Mx	.004	4
43	MP2B	X	-12.487	2
44	MP2B	Z	-7.21	2
45	MP2B	Mx	-.002	2
46	MP2B	X	-12.487	4
47	MP2B	Z	-7.21	4
48	MP2B	Mx	-.002	4
49	MP2C	X	-7.623	2
50	MP2C	Z	-4.401	2
51	MP2C	Mx	-.004	2
52	MP2C	X	-7.623	4
53	MP2C	Z	-4.401	4
54	MP2C	Mx	-.004	4
55	MP3A	X	-2.226	1
56	MP3A	Z	-1.285	1
57	MP3A	Mx	-.001	1
58	MP3B	X	-2.658	1
59	MP3B	Z	-1.535	1
60	MP3B	Mx	.000525	1
61	MP3C	X	-2.226	1
62	MP3C	Z	-1.285	1
63	MP3C	Mx	.001	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
64	MP3A	X	-8.706	2.5
65	MP3A	Z	-5.027	2.5
66	MP3A	Mx	-.004	2.5
67	MP3B	X	-10.88	2.5
68	MP3B	Z	-6.282	2.5
69	MP3B	Mx	.002	2.5
70	MP3C	X	-8.706	2.5
71	MP3C	Z	-5.027	2.5
72	MP3C	Mx	.004	2.5
73	MP4A	X	-7.727	2.5
74	MP4A	Z	-4.461	2.5
75	MP4A	Mx	-.004	2.5
76	MP4B	X	-10.728	2.5
77	MP4B	Z	-6.194	2.5
78	MP4B	Mx	.002	2.5
79	MP4C	X	-7.727	2.5
80	MP4C	Z	-4.461	2.5
81	MP4C	Mx	.004	2.5
82	M101	X	-20.003	1.5
83	M101	Z	-11.549	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-13.376	.5
2	MP3A	Z	-23.169	.5
3	MP3A	Mx	-.009	.5
4	MP3A	X	-13.376	4.5
5	MP3A	Z	-23.169	4.5
6	MP3A	Mx	-.009	4.5
7	MP3B	X	-13.376	.5
8	MP3B	Z	-23.169	.5
9	MP3B	Mx	.022	.5
10	MP3B	X	-13.376	4.5
11	MP3B	Z	-23.169	4.5
12	MP3B	Mx	.022	4.5
13	MP3C	X	-9.912	.5
14	MP3C	Z	-17.169	.5
15	MP3C	Mx	-.01	.5
16	MP3C	X	-9.912	4.5
17	MP3C	Z	-17.169	4.5
18	MP3C	Mx	-.01	4.5
19	MP3A	X	-13.376	.5
20	MP3A	Z	-23.169	.5
21	MP3A	Mx	.022	.5
22	MP3A	X	-13.376	4.5
23	MP3A	Z	-23.169	4.5
24	MP3A	Mx	.022	4.5
25	MP3B	X	-14.392	.5
26	MP3B	Z	-24.927	.5
27	MP3B	Mx	-.016	.5
28	MP3B	X	-14.392	4.5
29	MP3B	Z	-24.927	4.5
30	MP3B	Mx	-.016	4.5
31	MP3C	X	-9.912	.5
32	MP3C	Z	-17.169	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
33	MP3C	Mx	-.01	.5
34	MP3C	X	-9.912	4.5
35	MP3C	Z	-17.169	4.5
36	MP3C	Mx	-.01	4.5
37	MP2A	X	-6.619	2
38	MP2A	Z	-11.465	2
39	MP2A	Mx	.003	2
40	MP2A	X	-6.619	4
41	MP2A	Z	-11.465	4
42	MP2A	Mx	.003	4
43	MP2B	X	-7.595	2
44	MP2B	Z	-13.155	2
45	MP2B	Mx	.001	2
46	MP2B	X	-7.595	4
47	MP2B	Z	-13.155	4
48	MP2B	Mx	.001	4
49	MP2C	X	-3.292	2
50	MP2C	Z	-5.702	2
51	MP2C	Mx	-.003	2
52	MP2C	X	-3.292	4
53	MP2C	Z	-5.702	4
54	MP2C	Mx	-.003	4
55	MP3A	X	-1.482	1
56	MP3A	Z	-2.568	1
57	MP3A	Mx	-.000741	1
58	MP3B	X	-1.569	1
59	MP3B	Z	-2.718	1
60	MP3B	Mx	-.000273	1
61	MP3C	X	-1.186	1
62	MP3C	Z	-2.055	1
63	MP3C	Mx	.001	1
64	MP3A	X	-6.018	2.5
65	MP3A	Z	-10.423	2.5
66	MP3A	Mx	-.003	2.5
67	MP3B	X	-6.454	2.5
68	MP3B	Z	-11.178	2.5
69	MP3B	Mx	-.001	2.5
70	MP3C	X	-4.531	2.5
71	MP3C	Z	-7.848	2.5
72	MP3C	Mx	.005	2.5
73	MP4A	X	-5.83	2.5
74	MP4A	Z	-10.097	2.5
75	MP4A	Mx	-.003	2.5
76	MP4B	X	-6.431	2.5
77	MP4B	Z	-11.139	2.5
78	MP4B	Mx	-.001	2.5
79	MP4C	X	-3.777	2.5
80	MP4C	Z	-6.543	2.5
81	MP4C	Mx	.004	2.5
82	M101	X	-12.54	1.5
83	M101	Z	-21.719	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	0	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
2	MP3A	Z	-9.548	.5
3	MP3A	Mx	-.006	.5
4	MP3A	X	0	4.5
5	MP3A	Z	-9.548	4.5
6	MP3A	Mx	-.006	4.5
7	MP3B	X	0	.5
8	MP3B	Z	-7.09	.5
9	MP3B	Mx	.005	.5
10	MP3B	X	0	4.5
11	MP3B	Z	-7.09	4.5
12	MP3B	Mx	.005	4.5
13	MP3C	X	0	.5
14	MP3C	Z	-7.09	.5
15	MP3C	Mx	-.000707	.5
16	MP3C	X	0	4.5
17	MP3C	Z	-7.09	4.5
18	MP3C	Mx	-.000707	4.5
19	MP3A	X	0	.5
20	MP3A	Z	-9.548	.5
21	MP3A	Mx	.006	.5
22	MP3A	X	0	4.5
23	MP3A	Z	-9.548	4.5
24	MP3A	Mx	.006	4.5
25	MP3B	X	0	.5
26	MP3B	Z	-8.194	.5
27	MP3B	Mx	-.002	.5
28	MP3B	X	0	4.5
29	MP3B	Z	-8.194	4.5
30	MP3B	Mx	-.002	4.5
31	MP3C	X	0	.5
32	MP3C	Z	-7.09	.5
33	MP3C	Mx	-.005	.5
34	MP3C	X	0	4.5
35	MP3C	Z	-7.09	4.5
36	MP3C	Mx	-.005	4.5
37	MP2A	X	0	2
38	MP2A	Z	-4.926	2
39	MP2A	Mx	0	2
40	MP2A	X	0	4
41	MP2A	Z	-4.926	4
42	MP2A	Mx	0	4
43	MP2B	X	0	2
44	MP2B	Z	-3.687	2
45	MP2B	Mx	.001	2
46	MP2B	X	0	4
47	MP2B	Z	-3.687	4
48	MP2B	Mx	.001	4
49	MP2C	X	0	2
50	MP2C	Z	-2.678	2
51	MP2C	Mx	-.001	2
52	MP2C	X	0	4
53	MP2C	Z	-2.678	4
54	MP2C	Mx	-.001	4
55	MP3A	X	0	1
56	MP3A	Z	-.776	1
57	MP3A	Mx	0	1
58	MP3B	X	0	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%,]
59	MP3B	Z	- .677	1
60	MP3B	Mx	- .000218	1
61	MP3C	X	0	1
62	MP3C	Z	- .596	1
63	MP3C	Mx	.000258	1
64	MP3A	X	0	2.5
65	MP3A	Z	-3.92	2.5
66	MP3A	Mx	0	2.5
67	MP3B	X	0	2.5
68	MP3B	Z	-3.383	2.5
69	MP3B	Mx	- .001	2.5
70	MP3C	X	0	2.5
71	MP3C	Z	-2.945	2.5
72	MP3C	Mx	.001	2.5
73	MP4A	X	0	2.5
74	MP4A	Z	-3.92	2.5
75	MP4A	Mx	0	2.5
76	MP4B	X	0	2.5
77	MP4B	Z	-3.177	2.5
78	MP4B	Mx	- .001	2.5
79	MP4C	X	0	2.5
80	MP4C	Z	-2.572	2.5
81	MP4C	Mx	.001	2.5
82	M101	X	0	1.5
83	M101	Z	-7.273	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%,]
1	MP3A	X	4.364	.5
2	MP3A	Z	-7.559	.5
3	MP3A	Mx	- .007	.5
4	MP3A	X	4.364	4.5
5	MP3A	Z	-7.559	4.5
6	MP3A	Mx	- .007	4.5
7	MP3B	X	3.135	.5
8	MP3B	Z	-5.431	.5
9	MP3B	Mx	.003	.5
10	MP3B	X	3.135	4.5
11	MP3B	Z	-5.431	4.5
12	MP3B	Mx	.003	4.5
13	MP3C	X	4.364	.5
14	MP3C	Z	-7.559	.5
15	MP3C	Mx	.003	.5
16	MP3C	X	4.364	4.5
17	MP3C	Z	-7.559	4.5
18	MP3C	Mx	.003	4.5
19	MP3A	X	4.364	.5
20	MP3A	Z	-7.559	.5
21	MP3A	Mx	.003	.5
22	MP3A	X	4.364	4.5
23	MP3A	Z	-7.559	4.5
24	MP3A	Mx	.003	4.5
25	MP3B	X	3.327	.5
26	MP3B	Z	-5.763	.5
27	MP3B	Mx	.002	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
28	MP3B	X	3.327	4.5
29	MP3B	Z	-5.763	4.5
30	MP3B	Mx	.002	4.5
31	MP3C	X	4.364	.5
32	MP3C	Z	-7.559	.5
33	MP3C	Mx	-.007	.5
34	MP3C	X	4.364	4.5
35	MP3C	Z	-7.559	4.5
36	MP3C	Mx	-.007	4.5
37	MP2A	X	2.088	2
38	MP2A	Z	-3.617	2
39	MP2A	Mx	-.001	2
40	MP2A	X	2.088	4
41	MP2A	Z	-3.617	4
42	MP2A	Mx	-.001	4
43	MP2B	X	1.14	2
44	MP2B	Z	-1.974	2
45	MP2B	Mx	.001	2
46	MP2B	X	1.14	4
47	MP2B	Z	-1.974	4
48	MP2B	Mx	.001	4
49	MP2C	X	2.088	2
50	MP2C	Z	-3.617	2
51	MP2C	Mx	-.001	2
52	MP2C	X	2.088	4
53	MP2C	Z	-3.617	4
54	MP2C	Mx	-.001	4
55	MP3A	X	.358	1
56	MP3A	Z	-.62	1
57	MP3A	Mx	.000179	1
58	MP3B	X	.282	1
59	MP3B	Z	-.489	1
60	MP3B	Mx	-.000265	1
61	MP3C	X	.358	1
62	MP3C	Z	-.62	1
63	MP3C	Mx	.000179	1
64	MP3A	X	1.797	2.5
65	MP3A	Z	-3.113	2.5
66	MP3A	Mx	.000898	2.5
67	MP3B	X	1.386	2.5
68	MP3B	Z	-2.401	2.5
69	MP3B	Mx	-.001	2.5
70	MP3C	X	1.797	2.5
71	MP3C	Z	-3.113	2.5
72	MP3C	Mx	.000899	2.5
73	MP4A	X	1.735	2.5
74	MP4A	Z	-3.005	2.5
75	MP4A	Mx	.000868	2.5
76	MP4B	X	1.166	2.5
77	MP4B	Z	-2.02	2.5
78	MP4B	Mx	-.001	2.5
79	MP4C	X	1.735	2.5
80	MP4C	Z	-3.005	2.5
81	MP4C	Mx	.000867	2.5
82	M101	X	2.965	1.5
83	M101	Z	-5.135	1.5
84	M101	Mx	0	1.5



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

June 28, 2021
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Member Point Loads (BLC 29 : Antenna Wm (60 Deg))

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	6.14	.5
2	MP3A	Z	-3.545	.5
3	MP3A	Mx	-.005	.5
4	MP3A	X	6.14	4.5
5	MP3A	Z	-3.545	4.5
6	MP3A	Mx	-.005	4.5
7	MP3B	X	6.14	.5
8	MP3B	Z	-3.545	.5
9	MP3B	Mx	.000707	.5
10	MP3B	X	6.14	4.5
11	MP3B	Z	-3.545	4.5
12	MP3B	Mx	.000707	4.5
13	MP3C	X	8.269	.5
14	MP3C	Z	-4.774	.5
15	MP3C	Mx	.006	.5
16	MP3C	X	8.269	4.5
17	MP3C	Z	-4.774	4.5
18	MP3C	Mx	.006	4.5
19	MP3A	X	6.14	.5
20	MP3A	Z	-3.545	.5
21	MP3A	Mx	-.000707	.5
22	MP3A	X	6.14	4.5
23	MP3A	Z	-3.545	4.5
24	MP3A	Mx	-.000707	4.5
25	MP3B	X	5.516	.5
26	MP3B	Z	-3.185	.5
27	MP3B	Mx	.004	.5
28	MP3B	X	5.516	4.5
29	MP3B	Z	-3.185	4.5
30	MP3B	Mx	.004	4.5
31	MP3C	X	8.269	.5
32	MP3C	Z	-4.774	.5
33	MP3C	Mx	-.006	.5
34	MP3C	X	8.269	4.5
35	MP3C	Z	-4.774	4.5
36	MP3C	Mx	-.006	4.5
37	MP2A	X	2.319	2
38	MP2A	Z	-1.339	2
39	MP2A	Mx	-.001	2
40	MP2A	X	2.319	4
41	MP2A	Z	-1.339	4
42	MP2A	Mx	-.001	4
43	MP2B	X	1.748	2
44	MP2B	Z	-1.009	2
45	MP2B	Mx	.000994	2
46	MP2B	X	1.748	4
47	MP2B	Z	-1.009	4
48	MP2B	Mx	.000994	4
49	MP2C	X	4.266	2
50	MP2C	Z	-2.463	2
51	MP2C	Mx	0	2
52	MP2C	X	4.266	4
53	MP2C	Z	-2.463	4
54	MP2C	Mx	0	4
55	MP3A	X	.516	1
56	MP3A	Z	-.298	1
57	MP3A	Mx	.000258	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP3B	X	.471	1
59	MP3B	Z	-.272	1
60	MP3B	Mx	-.000268	1
61	MP3C	X	.672	1
62	MP3C	Z	-.388	1
63	MP3C	Mx	0	1
64	MP3A	X	2.55	2.5
65	MP3A	Z	-1.473	2.5
66	MP3A	Mx	.001	2.5
67	MP3B	X	2.303	2.5
68	MP3B	Z	-1.33	2.5
69	MP3B	Mx	-.001	2.5
70	MP3C	X	3.395	2.5
71	MP3C	Z	-1.96	2.5
72	MP3C	Mx	0	2.5
73	MP4A	X	2.227	2.5
74	MP4A	Z	-1.286	2.5
75	MP4A	Mx	.001	2.5
76	MP4B	X	1.885	2.5
77	MP4B	Z	-1.088	2.5
78	MP4B	Mx	-.001	2.5
79	MP4C	X	3.395	2.5
80	MP4C	Z	-1.96	2.5
81	MP4C	Mx	0	2.5
82	M101	X	4.554	1.5
83	M101	Z	-2.629	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	6.271	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.003	.5
4	MP3A	X	6.271	4.5
5	MP3A	Z	0	4.5
6	MP3A	Mx	-.003	4.5
7	MP3B	X	8.729	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.003	.5
10	MP3B	X	8.729	4.5
11	MP3B	Z	0	4.5
12	MP3B	Mx	-.003	4.5
13	MP3C	X	8.729	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.007	.5
16	MP3C	X	8.729	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	.007	4.5
19	MP3A	X	6.271	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.003	.5
22	MP3A	X	6.271	4.5
23	MP3A	Z	0	4.5
24	MP3A	Mx	-.003	4.5
25	MP3B	X	7.625	.5
26	MP3B	Z	0	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
27	MP3B	Mx	.006	.5
28	MP3B	X	7.625	4.5
29	MP3B	Z	0	4.5
30	MP3B	Mx	.006	4.5
31	MP3C	X	8.729	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.003	.5
34	MP3C	X	8.729	4.5
35	MP3C	Z	0	4.5
36	MP3C	Mx	-.003	4.5
37	MP2A	X	1.928	2
38	MP2A	Z	0	2
39	MP2A	Mx	-.000964	2
40	MP2A	X	1.928	4
41	MP2A	Z	0	4
42	MP2A	Mx	-.000964	4
43	MP2B	X	3.167	2
44	MP2B	Z	0	2
45	MP2B	Mx	.001	2
46	MP2B	X	3.167	4
47	MP2B	Z	0	4
48	MP2B	Mx	.001	4
49	MP2C	X	4.176	2
50	MP2C	Z	0	2
51	MP2C	Mx	.001	2
52	MP2C	X	4.176	4
53	MP2C	Z	0	4
54	MP2C	Mx	.001	4
55	MP3A	X	.537	1
56	MP3A	Z	0	1
57	MP3A	Mx	.000268	1
58	MP3B	X	.635	1
59	MP3B	Z	0	1
60	MP3B	Mx	-.000243	1
61	MP3C	X	.716	1
62	MP3C	Z	0	1
63	MP3C	Mx	-.000179	1
64	MP3A	X	2.62	2.5
65	MP3A	Z	0	2.5
66	MP3A	Mx	.001	2.5
67	MP3B	X	3.157	2.5
68	MP3B	Z	0	2.5
69	MP3B	Mx	-.001	2.5
70	MP3C	X	3.595	2.5
71	MP3C	Z	0	2.5
72	MP3C	Mx	-.000899	2.5
73	MP4A	X	2.122	2.5
74	MP4A	Z	0	2.5
75	MP4A	Mx	.001	2.5
76	MP4B	X	2.865	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	-.001	2.5
79	MP4C	X	3.47	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	-.000868	2.5
82	M101	X	5.93	1.5
83	M101	Z	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	6.14	.5
2	MP3A	Z	3.545	.5
3	MP3A	Mx	-.000707	.5
4	MP3A	X	6.14	4.5
5	MP3A	Z	3.545	4.5
6	MP3A	Mx	-.000707	4.5
7	MP3B	X	8.269	.5
8	MP3B	Z	4.774	.5
9	MP3B	Mx	-.006	.5
10	MP3B	X	8.269	4.5
11	MP3B	Z	4.774	4.5
12	MP3B	Mx	-.006	4.5
13	MP3C	X	6.14	.5
14	MP3C	Z	3.545	.5
15	MP3C	Mx	.005	.5
16	MP3C	X	6.14	4.5
17	MP3C	Z	3.545	4.5
18	MP3C	Mx	.005	4.5
19	MP3A	X	6.14	.5
20	MP3A	Z	3.545	.5
21	MP3A	Mx	-.005	.5
22	MP3A	X	6.14	4.5
23	MP3A	Z	3.545	4.5
24	MP3A	Mx	-.005	4.5
25	MP3B	X	7.937	.5
26	MP3B	Z	4.582	.5
27	MP3B	Mx	.007	.5
28	MP3B	X	7.937	4.5
29	MP3B	Z	4.582	4.5
30	MP3B	Mx	.007	4.5
31	MP3C	X	6.14	.5
32	MP3C	Z	3.545	.5
33	MP3C	Mx	.000707	.5
34	MP3C	X	6.14	4.5
35	MP3C	Z	3.545	4.5
36	MP3C	Mx	.000707	4.5
37	MP2A	X	2.319	2
38	MP2A	Z	1.339	2
39	MP2A	Mx	-.001	2
40	MP2A	X	2.319	4
41	MP2A	Z	1.339	4
42	MP2A	Mx	-.001	4
43	MP2B	X	3.962	2
44	MP2B	Z	2.288	2
45	MP2B	Mx	.000782	2
46	MP2B	X	3.962	4
47	MP2B	Z	2.288	4
48	MP2B	Mx	.000782	4
49	MP2C	X	2.319	2
50	MP2C	Z	1.339	2
51	MP2C	Mx	.001	2
52	MP2C	X	2.319	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
53	MP2C	Z	1.339	4
54	MP2C	Mx	.001	4
55	MP3A	X	.516	1
56	MP3A	Z	.298	1
57	MP3A	Mx	.000258	1
58	MP3B	X	.647	1
59	MP3B	Z	.374	1
60	MP3B	Mx	-.000128	1
61	MP3C	X	.516	1
62	MP3C	Z	.298	1
63	MP3C	Mx	-.000258	1
64	MP3A	X	2.55	2.5
65	MP3A	Z	1.473	2.5
66	MP3A	Mx	.001	2.5
67	MP3B	X	3.263	2.5
68	MP3B	Z	1.884	2.5
69	MP3B	Mx	-.000644	2.5
70	MP3C	X	2.55	2.5
71	MP3C	Z	1.473	2.5
72	MP3C	Mx	-.001	2.5
73	MP4A	X	2.227	2.5
74	MP4A	Z	1.286	2.5
75	MP4A	Mx	.001	2.5
76	MP4B	X	3.212	2.5
77	MP4B	Z	1.855	2.5
78	MP4B	Mx	-.000634	2.5
79	MP4C	X	2.227	2.5
80	MP4C	Z	1.286	2.5
81	MP4C	Mx	-.001	2.5
82	M101	X	6.298	1.5
83	M101	Z	3.636	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	4.364	.5
2	MP3A	Z	7.559	.5
3	MP3A	Mx	.003	.5
4	MP3A	X	4.364	4.5
5	MP3A	Z	7.559	4.5
6	MP3A	Mx	.003	4.5
7	MP3B	X	4.364	.5
8	MP3B	Z	7.559	.5
9	MP3B	Mx	-.007	.5
10	MP3B	X	4.364	4.5
11	MP3B	Z	7.559	4.5
12	MP3B	Mx	-.007	4.5
13	MP3C	X	3.135	.5
14	MP3C	Z	5.431	.5
15	MP3C	Mx	.003	.5
16	MP3C	X	3.135	4.5
17	MP3C	Z	5.431	4.5
18	MP3C	Mx	.003	4.5
19	MP3A	X	4.364	.5
20	MP3A	Z	7.559	.5
21	MP3A	Mx	-.007	.5



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
22	MP3A	X	4.364	4.5
23	MP3A	Z	7.559	4.5
24	MP3A	Mx	-.007	4.5
25	MP3B	X	4.724	.5
26	MP3B	Z	8.183	.5
27	MP3B	Mx	.005	.5
28	MP3B	X	4.724	4.5
29	MP3B	Z	8.183	4.5
30	MP3B	Mx	.005	4.5
31	MP3C	X	3.135	.5
32	MP3C	Z	5.431	.5
33	MP3C	Mx	.003	.5
34	MP3C	X	3.135	4.5
35	MP3C	Z	5.431	4.5
36	MP3C	Mx	.003	4.5
37	MP2A	X	2.088	2
38	MP2A	Z	3.617	2
39	MP2A	Mx	-.001	2
40	MP2A	X	2.088	4
41	MP2A	Z	3.617	4
42	MP2A	Mx	-.001	4
43	MP2B	X	2.418	2
44	MP2B	Z	4.188	2
45	MP2B	Mx	-.00042	2
46	MP2B	X	2.418	4
47	MP2B	Z	4.188	4
48	MP2B	Mx	-.00042	4
49	MP2C	X	.964	2
50	MP2C	Z	1.67	2
51	MP2C	Mx	.000964	2
52	MP2C	X	.964	4
53	MP2C	Z	1.67	4
54	MP2C	Mx	.000964	4
55	MP3A	X	.358	1
56	MP3A	Z	.62	1
57	MP3A	Mx	.000179	1
58	MP3B	X	.384	1
59	MP3B	Z	.665	1
60	MP3B	Mx	6.7e-5	1
61	MP3C	X	.268	1
62	MP3C	Z	.465	1
63	MP3C	Mx	-.000268	1
64	MP3A	X	1.797	2.5
65	MP3A	Z	3.113	2.5
66	MP3A	Mx	.000898	2.5
67	MP3B	X	1.94	2.5
68	MP3B	Z	3.361	2.5
69	MP3B	Mx	.000337	2.5
70	MP3C	X	1.31	2.5
71	MP3C	Z	2.269	2.5
72	MP3C	Mx	-.001	2.5
73	MP4A	X	1.735	2.5
74	MP4A	Z	3.005	2.5
75	MP4A	Mx	.000868	2.5
76	MP4B	X	1.933	2.5
77	MP4B	Z	3.348	2.5
78	MP4B	Mx	.000336	2.5



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 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
79	MP4C	X	1.061	2.5
80	MP4C	Z	1.838	2.5
81	MP4C	Mx	-.001	2.5
82	M101	X	3.972	1.5
83	M101	Z	6.88	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP3A	X	0	.5
2	MP3A	Z	9.548	.5
3	MP3A	Mx	.006	.5
4	MP3A	X	0	4.5
5	MP3A	Z	9.548	4.5
6	MP3A	Mx	.006	4.5
7	MP3B	X	0	.5
8	MP3B	Z	7.09	.5
9	MP3B	Mx	-.005	.5
10	MP3B	X	0	4.5
11	MP3B	Z	7.09	4.5
12	MP3B	Mx	-.005	4.5
13	MP3C	X	0	.5
14	MP3C	Z	7.09	.5
15	MP3C	Mx	.000707	.5
16	MP3C	X	0	4.5
17	MP3C	Z	7.09	4.5
18	MP3C	Mx	.000707	4.5
19	MP3A	X	0	.5
20	MP3A	Z	9.548	.5
21	MP3A	Mx	-.006	.5
22	MP3A	X	0	4.5
23	MP3A	Z	9.548	4.5
24	MP3A	Mx	-.006	4.5
25	MP3B	X	0	.5
26	MP3B	Z	8.194	.5
27	MP3B	Mx	.002	.5
28	MP3B	X	0	4.5
29	MP3B	Z	8.194	4.5
30	MP3B	Mx	.002	4.5
31	MP3C	X	0	.5
32	MP3C	Z	7.09	.5
33	MP3C	Mx	.005	.5
34	MP3C	X	0	4.5
35	MP3C	Z	7.09	4.5
36	MP3C	Mx	.005	4.5
37	MP2A	X	0	2
38	MP2A	Z	4.926	2
39	MP2A	Mx	0	2
40	MP2A	X	0	4
41	MP2A	Z	4.926	4
42	MP2A	Mx	0	4
43	MP2B	X	0	2
44	MP2B	Z	3.687	2
45	MP2B	Mx	-.001	2
46	MP2B	X	0	4
47	MP2B	Z	3.687	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
48	MP2B	Mx	-.001	4
49	MP2C	X	0	2
50	MP2C	Z	2.678	2
51	MP2C	Mx	.001	2
52	MP2C	X	0	4
53	MP2C	Z	2.678	4
54	MP2C	Mx	.001	4
55	MP3A	X	0	1
56	MP3A	Z	.776	1
57	MP3A	Mx	0	1
58	MP3B	X	0	1
59	MP3B	Z	.677	1
60	MP3B	Mx	.000218	1
61	MP3C	X	0	1
62	MP3C	Z	.596	1
63	MP3C	Mx	-.000258	1
64	MP3A	X	0	2.5
65	MP3A	Z	3.92	2.5
66	MP3A	Mx	0	2.5
67	MP3B	X	0	2.5
68	MP3B	Z	3.383	2.5
69	MP3B	Mx	.001	2.5
70	MP3C	X	0	2.5
71	MP3C	Z	2.945	2.5
72	MP3C	Mx	-.001	2.5
73	MP4A	X	0	2.5
74	MP4A	Z	3.92	2.5
75	MP4A	Mx	0	2.5
76	MP4B	X	0	2.5
77	MP4B	Z	3.177	2.5
78	MP4B	Mx	.001	2.5
79	MP4C	X	0	2.5
80	MP4C	Z	2.572	2.5
81	MP4C	Mx	-.001	2.5
82	M101	X	0	1.5
83	M101	Z	7.273	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-4.364	.5
2	MP3A	Z	7.559	.5
3	MP3A	Mx	.007	.5
4	MP3A	X	-4.364	4.5
5	MP3A	Z	7.559	4.5
6	MP3A	Mx	.007	4.5
7	MP3B	X	-3.135	.5
8	MP3B	Z	5.431	.5
9	MP3B	Mx	-.003	.5
10	MP3B	X	-3.135	4.5
11	MP3B	Z	5.431	4.5
12	MP3B	Mx	-.003	4.5
13	MP3C	X	-4.364	.5
14	MP3C	Z	7.559	.5
15	MP3C	Mx	-.003	.5
16	MP3C	X	-4.364	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
17	MP3C	Z	7.559	4.5
18	MP3C	Mx	-0.003	4.5
19	MP3A	X	-4.364	.5
20	MP3A	Z	7.559	.5
21	MP3A	Mx	-0.003	.5
22	MP3A	X	-4.364	4.5
23	MP3A	Z	7.559	4.5
24	MP3A	Mx	-0.003	4.5
25	MP3B	X	-3.327	.5
26	MP3B	Z	5.763	.5
27	MP3B	Mx	-0.002	.5
28	MP3B	X	-3.327	4.5
29	MP3B	Z	5.763	4.5
30	MP3B	Mx	-0.002	4.5
31	MP3C	X	-4.364	.5
32	MP3C	Z	7.559	.5
33	MP3C	Mx	.007	.5
34	MP3C	X	-4.364	4.5
35	MP3C	Z	7.559	4.5
36	MP3C	Mx	.007	4.5
37	MP2A	X	-2.088	2
38	MP2A	Z	3.617	2
39	MP2A	Mx	.001	2
40	MP2A	X	-2.088	4
41	MP2A	Z	3.617	4
42	MP2A	Mx	.001	4
43	MP2B	X	-1.14	2
44	MP2B	Z	1.974	2
45	MP2B	Mx	-0.001	2
46	MP2B	X	-1.14	4
47	MP2B	Z	1.974	4
48	MP2B	Mx	-0.001	4
49	MP2C	X	-2.088	2
50	MP2C	Z	3.617	2
51	MP2C	Mx	.001	2
52	MP2C	X	-2.088	4
53	MP2C	Z	3.617	4
54	MP2C	Mx	.001	4
55	MP3A	X	-.358	1
56	MP3A	Z	.62	1
57	MP3A	Mx	-.000179	1
58	MP3B	X	-.282	1
59	MP3B	Z	.489	1
60	MP3B	Mx	.000265	1
61	MP3C	X	-.358	1
62	MP3C	Z	.62	1
63	MP3C	Mx	-.000179	1
64	MP3A	X	-1.797	2.5
65	MP3A	Z	3.113	2.5
66	MP3A	Mx	-.000898	2.5
67	MP3B	X	-1.386	2.5
68	MP3B	Z	2.401	2.5
69	MP3B	Mx	.001	2.5
70	MP3C	X	-1.797	2.5
71	MP3C	Z	3.113	2.5
72	MP3C	Mx	-.000899	2.5
73	MP4A	X	-1.735	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
74	MP4A	Z	3.005	2.5
75	MP4A	Mx	-.000868	2.5
76	MP4B	X	-1.166	2.5
77	MP4B	Z	2.02	2.5
78	MP4B	Mx	.001	2.5
79	MP4C	X	-1.735	2.5
80	MP4C	Z	3.005	2.5
81	MP4C	Mx	-.000867	2.5
82	M101	X	-2.965	1.5
83	M101	Z	5.135	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-6.14	.5
2	MP3A	Z	3.545	.5
3	MP3A	Mx	.005	.5
4	MP3A	X	-6.14	4.5
5	MP3A	Z	3.545	4.5
6	MP3A	Mx	.005	4.5
7	MP3B	X	-6.14	.5
8	MP3B	Z	3.545	.5
9	MP3B	Mx	-.000707	.5
10	MP3B	X	-6.14	4.5
11	MP3B	Z	3.545	4.5
12	MP3B	Mx	-.000707	4.5
13	MP3C	X	-8.269	.5
14	MP3C	Z	4.774	.5
15	MP3C	Mx	-.006	.5
16	MP3C	X	-8.269	4.5
17	MP3C	Z	4.774	4.5
18	MP3C	Mx	-.006	4.5
19	MP3A	X	-6.14	.5
20	MP3A	Z	3.545	.5
21	MP3A	Mx	.000707	.5
22	MP3A	X	-6.14	4.5
23	MP3A	Z	3.545	4.5
24	MP3A	Mx	.000707	4.5
25	MP3B	X	-5.516	.5
26	MP3B	Z	3.185	.5
27	MP3B	Mx	-.004	.5
28	MP3B	X	-5.516	4.5
29	MP3B	Z	3.185	4.5
30	MP3B	Mx	-.004	4.5
31	MP3C	X	-8.269	.5
32	MP3C	Z	4.774	.5
33	MP3C	Mx	.006	.5
34	MP3C	X	-8.269	4.5
35	MP3C	Z	4.774	4.5
36	MP3C	Mx	.006	4.5
37	MP2A	X	-2.319	2
38	MP2A	Z	1.339	2
39	MP2A	Mx	.001	2
40	MP2A	X	-2.319	4
41	MP2A	Z	1.339	4
42	MP2A	Mx	.001	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
43	MP2B	X	-1.748	2
44	MP2B	Z	1.009	2
45	MP2B	Mx	-.000994	2
46	MP2B	X	-1.748	4
47	MP2B	Z	1.009	4
48	MP2B	Mx	-.000994	4
49	MP2C	X	-4.266	2
50	MP2C	Z	2.463	2
51	MP2C	Mx	0	2
52	MP2C	X	-4.266	4
53	MP2C	Z	2.463	4
54	MP2C	Mx	0	4
55	MP3A	X	-.516	1
56	MP3A	Z	.298	1
57	MP3A	Mx	-.000258	1
58	MP3B	X	-.471	1
59	MP3B	Z	.272	1
60	MP3B	Mx	.000268	1
61	MP3C	X	-.672	1
62	MP3C	Z	.388	1
63	MP3C	Mx	0	1
64	MP3A	X	-2.55	2.5
65	MP3A	Z	1.473	2.5
66	MP3A	Mx	-.001	2.5
67	MP3B	X	-2.303	2.5
68	MP3B	Z	1.33	2.5
69	MP3B	Mx	.001	2.5
70	MP3C	X	-3.395	2.5
71	MP3C	Z	1.96	2.5
72	MP3C	Mx	0	2.5
73	MP4A	X	-2.227	2.5
74	MP4A	Z	1.286	2.5
75	MP4A	Mx	-.001	2.5
76	MP4B	X	-1.885	2.5
77	MP4B	Z	1.088	2.5
78	MP4B	Mx	.001	2.5
79	MP4C	X	-3.395	2.5
80	MP4C	Z	1.96	2.5
81	MP4C	Mx	0	2.5
82	M101	X	-4.554	1.5
83	M101	Z	2.629	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-6.271	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.003	.5
4	MP3A	X	-6.271	4.5
5	MP3A	Z	0	4.5
6	MP3A	Mx	.003	4.5
7	MP3B	X	-8.729	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.003	.5
10	MP3B	X	-8.729	4.5
11	MP3B	Z	0	4.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP3B	Mx	.003	4.5
13	MP3C	X	-8.729	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.007	.5
16	MP3C	X	-8.729	4.5
17	MP3C	Z	0	4.5
18	MP3C	Mx	-.007	4.5
19	MP3A	X	-6.271	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.003	.5
22	MP3A	X	-6.271	4.5
23	MP3A	Z	0	4.5
24	MP3A	Mx	.003	4.5
25	MP3B	X	-7.625	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.006	.5
28	MP3B	X	-7.625	4.5
29	MP3B	Z	0	4.5
30	MP3B	Mx	-.006	4.5
31	MP3C	X	-8.729	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.003	.5
34	MP3C	X	-8.729	4.5
35	MP3C	Z	0	4.5
36	MP3C	Mx	.003	4.5
37	MP2A	X	-1.928	2
38	MP2A	Z	0	2
39	MP2A	Mx	.000964	2
40	MP2A	X	-1.928	4
41	MP2A	Z	0	4
42	MP2A	Mx	.000964	4
43	MP2B	X	-3.167	2
44	MP2B	Z	0	2
45	MP2B	Mx	-.001	2
46	MP2B	X	-3.167	4
47	MP2B	Z	0	4
48	MP2B	Mx	-.001	4
49	MP2C	X	-4.176	2
50	MP2C	Z	0	2
51	MP2C	Mx	-.001	2
52	MP2C	X	-4.176	4
53	MP2C	Z	0	4
54	MP2C	Mx	-.001	4
55	MP3A	X	-.537	1
56	MP3A	Z	0	1
57	MP3A	Mx	-.000268	1
58	MP3B	X	-.635	1
59	MP3B	Z	0	1
60	MP3B	Mx	.000243	1
61	MP3C	X	-.716	1
62	MP3C	Z	0	1
63	MP3C	Mx	.000179	1
64	MP3A	X	-2.62	2.5
65	MP3A	Z	0	2.5
66	MP3A	Mx	-.001	2.5
67	MP3B	X	-3.157	2.5
68	MP3B	Z	0	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
69	MP3B	Mx	.001	2.5
70	MP3C	X	-3.595	2.5
71	MP3C	Z	0	2.5
72	MP3C	Mx	.000899	2.5
73	MP4A	X	-2.122	2.5
74	MP4A	Z	0	2.5
75	MP4A	Mx	-.001	2.5
76	MP4B	X	-2.865	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	.001	2.5
79	MP4C	X	-3.47	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	.000868	2.5
82	M101	X	-5.93	1.5
83	M101	Z	0	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP3A	X	-6.14	.5
2	MP3A	Z	-3.545	.5
3	MP3A	Mx	.000707	.5
4	MP3A	X	-6.14	4.5
5	MP3A	Z	-3.545	4.5
6	MP3A	Mx	.000707	4.5
7	MP3B	X	-8.269	.5
8	MP3B	Z	-4.774	.5
9	MP3B	Mx	.006	.5
10	MP3B	X	-8.269	4.5
11	MP3B	Z	-4.774	4.5
12	MP3B	Mx	.006	4.5
13	MP3C	X	-6.14	.5
14	MP3C	Z	-3.545	.5
15	MP3C	Mx	-.005	.5
16	MP3C	X	-6.14	4.5
17	MP3C	Z	-3.545	4.5
18	MP3C	Mx	-.005	4.5
19	MP3A	X	-6.14	.5
20	MP3A	Z	-3.545	.5
21	MP3A	Mx	.005	.5
22	MP3A	X	-6.14	4.5
23	MP3A	Z	-3.545	4.5
24	MP3A	Mx	.005	4.5
25	MP3B	X	-7.937	.5
26	MP3B	Z	-4.582	.5
27	MP3B	Mx	-.007	.5
28	MP3B	X	-7.937	4.5
29	MP3B	Z	-4.582	4.5
30	MP3B	Mx	-.007	4.5
31	MP3C	X	-6.14	.5
32	MP3C	Z	-3.545	.5
33	MP3C	Mx	-.000707	.5
34	MP3C	X	-6.14	4.5
35	MP3C	Z	-3.545	4.5
36	MP3C	Mx	-.000707	4.5
37	MP2A	X	-2.319	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
38	MP2A	Z	-1.339	2
39	MP2A	Mx	.001	2
40	MP2A	X	-2.319	4
41	MP2A	Z	-1.339	4
42	MP2A	Mx	.001	4
43	MP2B	X	-3.962	2
44	MP2B	Z	-2.288	2
45	MP2B	Mx	-.000782	2
46	MP2B	X	-3.962	4
47	MP2B	Z	-2.288	4
48	MP2B	Mx	-.000782	4
49	MP2C	X	-2.319	2
50	MP2C	Z	-1.339	2
51	MP2C	Mx	-.001	2
52	MP2C	X	-2.319	4
53	MP2C	Z	-1.339	4
54	MP2C	Mx	-.001	4
55	MP3A	X	-.516	1
56	MP3A	Z	-.298	1
57	MP3A	Mx	-.000258	1
58	MP3B	X	-.647	1
59	MP3B	Z	-.374	1
60	MP3B	Mx	.000128	1
61	MP3C	X	-.516	1
62	MP3C	Z	-.298	1
63	MP3C	Mx	.000258	1
64	MP3A	X	-2.55	2.5
65	MP3A	Z	-1.473	2.5
66	MP3A	Mx	-.001	2.5
67	MP3B	X	-3.263	2.5
68	MP3B	Z	-1.884	2.5
69	MP3B	Mx	.000644	2.5
70	MP3C	X	-2.55	2.5
71	MP3C	Z	-1.473	2.5
72	MP3C	Mx	.001	2.5
73	MP4A	X	-2.227	2.5
74	MP4A	Z	-1.286	2.5
75	MP4A	Mx	-.001	2.5
76	MP4B	X	-3.212	2.5
77	MP4B	Z	-1.855	2.5
78	MP4B	Mx	.000634	2.5
79	MP4C	X	-2.227	2.5
80	MP4C	Z	-1.286	2.5
81	MP4C	Mx	.001	2.5
82	M101	X	-6.298	1.5
83	M101	Z	-3.636	1.5
84	M101	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3A	X	-4.364	.5
2	MP3A	Z	-7.559	.5
3	MP3A	Mx	-.003	.5
4	MP3A	X	-4.364	4.5
5	MP3A	Z	-7.559	4.5
6	MP3A	Mx	-.003	4.5



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
7	MP3B	X	-4.364	.5
8	MP3B	Z	-7.559	.5
9	MP3B	Mx	.007	.5
10	MP3B	X	-4.364	4.5
11	MP3B	Z	-7.559	4.5
12	MP3B	Mx	.007	4.5
13	MP3C	X	-3.135	.5
14	MP3C	Z	-5.431	.5
15	MP3C	Mx	-.003	.5
16	MP3C	X	-3.135	4.5
17	MP3C	Z	-5.431	4.5
18	MP3C	Mx	-.003	4.5
19	MP3A	X	-4.364	.5
20	MP3A	Z	-7.559	.5
21	MP3A	Mx	.007	.5
22	MP3A	X	-4.364	4.5
23	MP3A	Z	-7.559	4.5
24	MP3A	Mx	.007	4.5
25	MP3B	X	-4.724	.5
26	MP3B	Z	-8.183	.5
27	MP3B	Mx	-.005	.5
28	MP3B	X	-4.724	4.5
29	MP3B	Z	-8.183	4.5
30	MP3B	Mx	-.005	4.5
31	MP3C	X	-3.135	.5
32	MP3C	Z	-5.431	.5
33	MP3C	Mx	-.003	.5
34	MP3C	X	-3.135	4.5
35	MP3C	Z	-5.431	4.5
36	MP3C	Mx	-.003	4.5
37	MP2A	X	-2.088	2
38	MP2A	Z	-3.617	2
39	MP2A	Mx	.001	2
40	MP2A	X	-2.088	4
41	MP2A	Z	-3.617	4
42	MP2A	Mx	.001	4
43	MP2B	X	-2.418	2
44	MP2B	Z	-4.188	2
45	MP2B	Mx	.00042	2
46	MP2B	X	-2.418	4
47	MP2B	Z	-4.188	4
48	MP2B	Mx	.00042	4
49	MP2C	X	-.964	2
50	MP2C	Z	-1.67	2
51	MP2C	Mx	-.000964	2
52	MP2C	X	-.964	4
53	MP2C	Z	-1.67	4
54	MP2C	Mx	-.000964	4
55	MP3A	X	-.358	1
56	MP3A	Z	-.62	1
57	MP3A	Mx	-.000179	1
58	MP3B	X	-.384	1
59	MP3B	Z	-.665	1
60	MP3B	Mx	-6.7e-5	1
61	MP3C	X	-.268	1
62	MP3C	Z	-.465	1
63	MP3C	Mx	.000268	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
64	MP3A	X	-1.797	2.5
65	MP3A	Z	-3.113	2.5
66	MP3A	Mx	-.000898	2.5
67	MP3B	X	-1.94	2.5
68	MP3B	Z	-3.361	2.5
69	MP3B	Mx	-.000337	2.5
70	MP3C	X	-1.31	2.5
71	MP3C	Z	-2.269	2.5
72	MP3C	Mx	.001	2.5
73	MP4A	X	-1.735	2.5
74	MP4A	Z	-3.005	2.5
75	MP4A	Mx	-.000868	2.5
76	MP4B	X	-1.933	2.5
77	MP4B	Z	-3.348	2.5
78	MP4B	Mx	-.000336	2.5
79	MP4C	X	-1.061	2.5
80	MP4C	Z	-1.838	2.5
81	MP4C	Mx	.001	2.5
82	M101	X	-3.972	1.5
83	M101	Z	-6.88	1.5
84	M101	Mx	0	1.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	M148A	Y	-500	%48

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	M148A	Y	-500	%80

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	M148A	Y	-250	%100

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	M148A	Y	-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	M4	Y	-9.601	-9.601	0	%100
2	M10	Y	-9.601	-9.601	0	%100
3	M43	Y	-9.601	-9.601	0	%100
4	M46	Y	-10.114	-10.114	0	%100
5	M51B	Y	-5.614	-5.614	0	%100
6	M52B	Y	-5.614	-5.614	0	%100
7	M76	Y	-10.101	-10.101	0	%100
8	M77	Y	-10.101	-10.101	0	%100
9	M80	Y	-10.114	-10.114	0	%100
10	M84	Y	-10.101	-10.101	0	%100
11	M85	Y	-10.101	-10.101	0	%100
12	M91	Y	-10.114	-10.114	0	%100
13	M100A	Y	-9.601	-9.601	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
14	M101A	Y	-9.601	-9.601	0	%100
15	M102A	Y	-9.601	-9.601	0	%100
16	M103A	Y	-10.114	-10.114	0	%100
17	M106A	Y	-5.614	-5.614	0	%100
18	M107A	Y	-5.614	-5.614	0	%100
19	M111A	Y	-10.101	-10.101	0	%100
20	M112A	Y	-10.101	-10.101	0	%100
21	M114A	Y	-10.114	-10.114	0	%100
22	M116A	Y	-10.101	-10.101	0	%100
23	M117A	Y	-10.101	-10.101	0	%100
24	M119A	Y	-10.114	-10.114	0	%100
25	M124A	Y	-9.601	-9.601	0	%100
26	M125A	Y	-9.601	-9.601	0	%100
27	M126A	Y	-9.601	-9.601	0	%100
28	M127A	Y	-10.114	-10.114	0	%100
29	M130A	Y	-5.614	-5.614	0	%100
30	M131A	Y	-5.614	-5.614	0	%100
31	M135A	Y	-10.101	-10.101	0	%100
32	M136A	Y	-10.101	-10.101	0	%100
33	M138A	Y	-10.114	-10.114	0	%100
34	M140A	Y	-10.101	-10.101	0	%100
35	M141A	Y	-10.101	-10.101	0	%100
36	M143A	Y	-10.114	-10.114	0	%100
37	M148A	Y	-6.56	-6.56	0	%100
38	M149A	Y	-6.56	-6.56	0	%100
39	M150A	Y	-6.56	-6.56	0	%100
40	MP4A	Y	-4.974	-4.974	0	%100
41	MP3A	Y	-5.679	-5.679	0	%100
42	MP2A	Y	-4.974	-4.974	0	%100
43	MP1A	Y	-4.974	-4.974	0	%100
44	MP4C	Y	-4.974	-4.974	0	%100
45	MP3C	Y	-5.679	-5.679	0	%100
46	MP2C	Y	-4.974	-4.974	0	%100
47	MP1C	Y	-4.974	-4.974	0	%100
48	MP4B	Y	-4.974	-4.974	0	%100
49	MP3B	Y	-5.679	-5.679	0	%100
50	MP2B	Y	-4.974	-4.974	0	%100
51	MP1B	Y	-4.974	-4.974	0	%100
52	M101	Y	-4.974	-4.974	0	%100
53	M114	Y	-5.679	-5.679	0	%100
54	M115	Y	-5.679	-5.679	0	%100
55	M116	Y	-5.679	-5.679	0	%100
56	M119	Y	-7.607	-7.607	0	%100
57	M122	Y	-7.607	-7.607	0	%100
58	M125	Y	-7.607	-7.607	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-9.755	-9.755	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-9.755	-9.755	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-19.457	-19.457	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
9	M51B	X	0	0	0	%100
10	M51B	Z	-2.701	-2.701	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-2.701	-2.701	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-4.954	-4.954	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-5.218	-5.218	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-4.954	-4.954	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-5.218	-5.218	0	%100
25	M100A	X	0	0	0	%100
26	M100A	Z	-8.646	-8.646	0	%100
27	M101A	X	0	0	0	%100
28	M101A	Z	-2.439	-2.439	0	%100
29	M102A	X	0	0	0	%100
30	M102A	Z	-2.439	-2.439	0	%100
31	M103A	X	0	0	0	%100
32	M103A	Z	-4.864	-4.864	0	%100
33	M106A	X	0	0	0	%100
34	M106A	Z	-2.701	-2.701	0	%100
35	M107A	X	0	0	0	%100
36	M107A	Z	-10.804	-10.804	0	%100
37	M111A	X	0	0	0	%100
38	M111A	Z	-14.593	-14.593	0	%100
39	M112A	X	0	0	0	%100
40	M112A	Z	-4.954	-4.954	0	%100
41	M114A	X	0	0	0	%100
42	M114A	Z	-5.218	-5.218	0	%100
43	M116A	X	0	0	0	%100
44	M116A	Z	-14.593	-14.593	0	%100
45	M117A	X	0	0	0	%100
46	M117A	Z	-19.818	-19.818	0	%100
47	M119A	X	0	0	0	%100
48	M119A	Z	-20.874	-20.874	0	%100
49	M124A	X	0	0	0	%100
50	M124A	Z	-8.646	-8.646	0	%100
51	M125A	X	0	0	0	%100
52	M125A	Z	-2.439	-2.439	0	%100
53	M126A	X	0	0	0	%100
54	M126A	Z	-2.439	-2.439	0	%100
55	M127A	X	0	0	0	%100
56	M127A	Z	-4.864	-4.864	0	%100
57	M130A	X	0	0	0	%100
58	M130A	Z	-10.804	-10.804	0	%100
59	M131A	X	0	0	0	%100
60	M131A	Z	-2.701	-2.701	0	%100
61	M135A	X	0	0	0	%100
62	M135A	Z	-14.593	-14.593	0	%100
63	M136A	X	0	0	0	%100
64	M136A	Z	-19.818	-19.818	0	%100
65	M138A	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
66	M138A	Z	-20.874	-20.874	0 %100
67	M140A	X	0	0	0 %100
68	M140A	Z	-14.593	-14.593	0 %100
69	M141A	X	0	0	0 %100
70	M141A	Z	-4.954	-4.954	0 %100
71	M143A	X	0	0	0 %100
72	M143A	Z	-5.218	-5.218	0 %100
73	M148A	X	0	0	0 %100
74	M148A	Z	-11.35	-11.35	0 %100
75	M149A	X	0	0	0 %100
76	M149A	Z	-2.838	-2.838	0 %100
77	M150A	X	0	0	0 %100
78	M150A	Z	-2.838	-2.838	0 %100
79	MP4A	X	0	0	0 %100
80	MP4A	Z	-7.702	-7.702	0 %100
81	MP3A	X	0	0	0 %100
82	MP3A	Z	-9.323	-9.323	0 %100
83	MP2A	X	0	0	0 %100
84	MP2A	Z	-7.702	-7.702	0 %100
85	MP1A	X	0	0	0 %100
86	MP1A	Z	-7.702	-7.702	0 %100
87	MP4C	X	0	0	0 %100
88	MP4C	Z	-7.702	-7.702	0 %100
89	MP3C	X	0	0	0 %100
90	MP3C	Z	-9.323	-9.323	0 %100
91	MP2C	X	0	0	0 %100
92	MP2C	Z	-7.702	-7.702	0 %100
93	MP1C	X	0	0	0 %100
94	MP1C	Z	-7.702	-7.702	0 %100
95	MP4B	X	0	0	0 %100
96	MP4B	Z	-7.702	-7.702	0 %100
97	MP3B	X	0	0	0 %100
98	MP3B	Z	-9.323	-9.323	0 %100
99	MP2B	X	0	0	0 %100
100	MP2B	Z	-7.702	-7.702	0 %100
101	MP1B	X	0	0	0 %100
102	MP1B	Z	-7.702	-7.702	0 %100
103	M101	X	0	0	0 %100
104	M101	Z	-6.298	-6.298	0 %100
105	M114	X	0	0	0 %100
106	M114	Z	-9.323	-9.323	0 %100
107	M115	X	0	0	0 %100
108	M115	Z	-2.331	-2.331	0 %100
109	M116	X	0	0	0 %100
110	M116	Z	-2.331	-2.331	0 %100
111	M119	X	0	0	0 %100
112	M119	Z	-2.567	-2.567	0 %100
113	M122	X	0	0	0 %100
114	M122	Z	-2.567	-2.567	0 %100
115	M125	X	0	0	0 %100
116	M125	Z	-10.266	-10.266	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	M4	X	1.441	1.441	0 %100
2	M4	Z	-2.496	-2.496	0 %100



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 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
3	M10	X	3.658	3.658	0 %100
4	M10	Z	-6.336	-6.336	0 %100
5	M43	X	3.658	3.658	0 %100
6	M43	Z	-6.336	-6.336	0 %100
7	M46	X	7.297	7.297	0 %100
8	M46	Z	-12.638	-12.638	0 %100
9	M51B	X	4.052	4.052	0 %100
10	M51B	Z	-7.018	-7.018	0 %100
11	M52B	X	0	0	0 %100
12	M52B	Z	0	0	0 %100
13	M76	X	2.432	2.432	0 %100
14	M76	Z	-4.213	-4.213	0 %100
15	M77	X	7.432	7.432	0 %100
16	M77	Z	-12.872	-12.872	0 %100
17	M80	X	7.828	7.828	0 %100
18	M80	Z	-13.558	-13.558	0 %100
19	M84	X	2.432	2.432	0 %100
20	M84	Z	-4.213	-4.213	0 %100
21	M85	X	0	0	0 %100
22	M85	Z	0	0	0 %100
23	M91	X	0	0	0 %100
24	M91	Z	0	0	0 %100
25	M100A	X	1.441	1.441	0 %100
26	M100A	Z	-2.496	-2.496	0 %100
27	M101A	X	3.658	3.658	0 %100
28	M101A	Z	-6.336	-6.336	0 %100
29	M102A	X	3.658	3.658	0 %100
30	M102A	Z	-6.336	-6.336	0 %100
31	M103A	X	7.297	7.297	0 %100
32	M103A	Z	-12.638	-12.638	0 %100
33	M106A	X	0	0	0 %100
34	M106A	Z	0	0	0 %100
35	M107A	X	4.052	4.052	0 %100
36	M107A	Z	-7.018	-7.018	0 %100
37	M111A	X	2.432	2.432	0 %100
38	M111A	Z	-4.213	-4.213	0 %100
39	M112A	X	0	0	0 %100
40	M112A	Z	0	0	0 %100
41	M114A	X	0	0	0 %100
42	M114A	Z	0	0	0 %100
43	M116A	X	2.432	2.432	0 %100
44	M116A	Z	-4.213	-4.213	0 %100
45	M117A	X	7.432	7.432	0 %100
46	M117A	Z	-12.872	-12.872	0 %100
47	M119A	X	7.828	7.828	0 %100
48	M119A	Z	-13.558	-13.558	0 %100
49	M124A	X	5.764	5.764	0 %100
50	M124A	Z	-9.984	-9.984	0 %100
51	M125A	X	0	0	0 %100
52	M125A	Z	0	0	0 %100
53	M126A	X	0	0	0 %100
54	M126A	Z	0	0	0 %100
55	M127A	X	0	0	0 %100
56	M127A	Z	0	0	0 %100
57	M130A	X	4.052	4.052	0 %100
58	M130A	Z	-7.018	-7.018	0 %100
59	M131A	X	4.052	4.052	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
60	M131A	Z	-7.018	-7.018	0 %100
61	M135A	X	9.729	9.729	0 %100
62	M135A	Z	-16.851	-16.851	0 %100
63	M136A	X	7.432	7.432	0 %100
64	M136A	Z	-12.872	-12.872	0 %100
65	M138A	X	7.828	7.828	0 %100
66	M138A	Z	-13.558	-13.558	0 %100
67	M140A	X	9.729	9.729	0 %100
68	M140A	Z	-16.851	-16.851	0 %100
69	M141A	X	7.432	7.432	0 %100
70	M141A	Z	-12.872	-12.872	0 %100
71	M143A	X	7.828	7.828	0 %100
72	M143A	Z	-13.558	-13.558	0 %100
73	M148A	X	4.256	4.256	0 %100
74	M148A	Z	-7.372	-7.372	0 %100
75	M149A	X	4.256	4.256	0 %100
76	M149A	Z	-7.372	-7.372	0 %100
77	M150A	X	0	0	0 %100
78	M150A	Z	0	0	0 %100
79	MP4A	X	3.851	3.851	0 %100
80	MP4A	Z	-6.67	-6.67	0 %100
81	MP3A	X	4.662	4.662	0 %100
82	MP3A	Z	-8.074	-8.074	0 %100
83	MP2A	X	3.851	3.851	0 %100
84	MP2A	Z	-6.67	-6.67	0 %100
85	MP1A	X	3.851	3.851	0 %100
86	MP1A	Z	-6.67	-6.67	0 %100
87	MP4C	X	3.851	3.851	0 %100
88	MP4C	Z	-6.67	-6.67	0 %100
89	MP3C	X	4.662	4.662	0 %100
90	MP3C	Z	-8.074	-8.074	0 %100
91	MP2C	X	3.851	3.851	0 %100
92	MP2C	Z	-6.67	-6.67	0 %100
93	MP1C	X	3.851	3.851	0 %100
94	MP1C	Z	-6.67	-6.67	0 %100
95	MP4B	X	3.851	3.851	0 %100
96	MP4B	Z	-6.67	-6.67	0 %100
97	MP3B	X	4.662	4.662	0 %100
98	MP3B	Z	-8.074	-8.074	0 %100
99	MP2B	X	3.851	3.851	0 %100
100	MP2B	Z	-6.67	-6.67	0 %100
101	MP1B	X	3.851	3.851	0 %100
102	MP1B	Z	-6.67	-6.67	0 %100
103	M101	X	3.149	3.149	0 %100
104	M101	Z	-5.454	-5.454	0 %100
105	M114	X	3.496	3.496	0 %100
106	M114	Z	-6.056	-6.056	0 %100
107	M115	X	3.496	3.496	0 %100
108	M115	Z	-6.056	-6.056	0 %100
109	M116	X	0	0	0 %100
110	M116	Z	0	0	0 %100
111	M119	X	3.85	3.85	0 %100
112	M119	Z	-6.668	-6.668	0 %100
113	M122	X	0	0	0 %100
114	M122	Z	0	0	0 %100
115	M125	X	3.85	3.85	0 %100
116	M125	Z	-6.668	-6.668	0 %100



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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	M4	X	7.488	7.488	0	%100
2	M4	Z	-4.323	-4.323	0	%100
3	M10	X	2.112	2.112	0	%100
4	M10	Z	-1.219	-1.219	0	%100
5	M43	X	2.112	2.112	0	%100
6	M43	Z	-1.219	-1.219	0	%100
7	M46	X	4.213	4.213	0	%100
8	M46	Z	-2.432	-2.432	0	%100
9	M51B	X	9.357	9.357	0	%100
10	M51B	Z	-5.402	-5.402	0	%100
11	M52B	X	2.339	2.339	0	%100
12	M52B	Z	-1.351	-1.351	0	%100
13	M76	X	12.638	12.638	0	%100
14	M76	Z	-7.297	-7.297	0	%100
15	M77	X	17.163	17.163	0	%100
16	M77	Z	-9.909	-9.909	0	%100
17	M80	X	18.077	18.077	0	%100
18	M80	Z	-10.437	-10.437	0	%100
19	M84	X	12.638	12.638	0	%100
20	M84	Z	-7.297	-7.297	0	%100
21	M85	X	4.291	4.291	0	%100
22	M85	Z	-2.477	-2.477	0	%100
23	M91	X	4.519	4.519	0	%100
24	M91	Z	-2.609	-2.609	0	%100
25	M100A	X	0	0	0	%100
26	M100A	Z	0	0	0	%100
27	M101A	X	8.448	8.448	0	%100
28	M101A	Z	-4.877	-4.877	0	%100
29	M102A	X	8.448	8.448	0	%100
30	M102A	Z	-4.877	-4.877	0	%100
31	M103A	X	16.851	16.851	0	%100
32	M103A	Z	-9.729	-9.729	0	%100
33	M106A	X	2.339	2.339	0	%100
34	M106A	Z	-1.351	-1.351	0	%100
35	M107A	X	2.339	2.339	0	%100
36	M107A	Z	-1.351	-1.351	0	%100
37	M111A	X	0	0	0	%100
38	M111A	Z	0	0	0	%100
39	M112A	X	4.291	4.291	0	%100
40	M112A	Z	-2.477	-2.477	0	%100
41	M114A	X	4.519	4.519	0	%100
42	M114A	Z	-2.609	-2.609	0	%100
43	M116A	X	0	0	0	%100
44	M116A	Z	0	0	0	%100
45	M117A	X	4.291	4.291	0	%100
46	M117A	Z	-2.477	-2.477	0	%100
47	M119A	X	4.519	4.519	0	%100
48	M119A	Z	-2.609	-2.609	0	%100
49	M124A	X	7.488	7.488	0	%100
50	M124A	Z	-4.323	-4.323	0	%100
51	M125A	X	2.112	2.112	0	%100
52	M125A	Z	-1.219	-1.219	0	%100
53	M126A	X	2.112	2.112	0	%100
54	M126A	Z	-1.219	-1.219	0	%100
55	M127A	X	4.213	4.213	0	%100
56	M127A	Z	-2.432	-2.432	0	%100
57	M130A	X	2.339	2.339	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
58	M130A	Z	-1.351	-1.351	0 %100
59	M131A	X	9.357	9.357	0 %100
60	M131A	Z	-5.402	-5.402	0 %100
61	M135A	X	12.638	12.638	0 %100
62	M135A	Z	-7.297	-7.297	0 %100
63	M136A	X	4.291	4.291	0 %100
64	M136A	Z	-2.477	-2.477	0 %100
65	M138A	X	4.519	4.519	0 %100
66	M138A	Z	-2.609	-2.609	0 %100
67	M140A	X	12.638	12.638	0 %100
68	M140A	Z	-7.297	-7.297	0 %100
69	M141A	X	17.163	17.163	0 %100
70	M141A	Z	-9.909	-9.909	0 %100
71	M143A	X	18.077	18.077	0 %100
72	M143A	Z	-10.437	-10.437	0 %100
73	M148A	X	2.457	2.457	0 %100
74	M148A	Z	-1.419	-1.419	0 %100
75	M149A	X	9.83	9.83	0 %100
76	M149A	Z	-5.675	-5.675	0 %100
77	M150A	X	2.457	2.457	0 %100
78	M150A	Z	-1.419	-1.419	0 %100
79	MP4A	X	6.67	6.67	0 %100
80	MP4A	Z	-3.851	-3.851	0 %100
81	MP3A	X	8.074	8.074	0 %100
82	MP3A	Z	-4.662	-4.662	0 %100
83	MP2A	X	6.67	6.67	0 %100
84	MP2A	Z	-3.851	-3.851	0 %100
85	MP1A	X	6.67	6.67	0 %100
86	MP1A	Z	-3.851	-3.851	0 %100
87	MP4C	X	6.67	6.67	0 %100
88	MP4C	Z	-3.851	-3.851	0 %100
89	MP3C	X	8.074	8.074	0 %100
90	MP3C	Z	-4.662	-4.662	0 %100
91	MP2C	X	6.67	6.67	0 %100
92	MP2C	Z	-3.851	-3.851	0 %100
93	MP1C	X	6.67	6.67	0 %100
94	MP1C	Z	-3.851	-3.851	0 %100
95	MP4B	X	6.67	6.67	0 %100
96	MP4B	Z	-3.851	-3.851	0 %100
97	MP3B	X	8.074	8.074	0 %100
98	MP3B	Z	-4.662	-4.662	0 %100
99	MP2B	X	6.67	6.67	0 %100
100	MP2B	Z	-3.851	-3.851	0 %100
101	MP1B	X	6.67	6.67	0 %100
102	MP1B	Z	-3.851	-3.851	0 %100
103	M101	X	5.454	5.454	0 %100
104	M101	Z	-3.149	-3.149	0 %100
105	M114	X	2.019	2.019	0 %100
106	M114	Z	-1.165	-1.165	0 %100
107	M115	X	8.074	8.074	0 %100
108	M115	Z	-4.662	-4.662	0 %100
109	M116	X	2.019	2.019	0 %100
110	M116	Z	-1.165	-1.165	0 %100
111	M119	X	8.891	8.891	0 %100
112	M119	Z	-5.133	-5.133	0 %100
113	M122	X	2.223	2.223	0 %100
114	M122	Z	-1.283	-1.283	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M125	X	2.223	2.223	0	%100
116	M125	Z	-1.283	-1.283	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	M4	X	11.528	11.528	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	8.103	8.103	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	8.103	8.103	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	19.457	19.457	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	14.863	14.863	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	15.655	15.655	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	19.457	19.457	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	14.863	14.863	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	15.655	15.655	0	%100
24	M91	Z	0	0	0	%100
25	M100A	X	2.882	2.882	0	%100
26	M100A	Z	0	0	0	%100
27	M101A	X	7.316	7.316	0	%100
28	M101A	Z	0	0	0	%100
29	M102A	X	7.316	7.316	0	%100
30	M102A	Z	0	0	0	%100
31	M103A	X	14.593	14.593	0	%100
32	M103A	Z	0	0	0	%100
33	M106A	X	8.103	8.103	0	%100
34	M106A	Z	0	0	0	%100
35	M107A	X	0	0	0	%100
36	M107A	Z	0	0	0	%100
37	M111A	X	4.864	4.864	0	%100
38	M111A	Z	0	0	0	%100
39	M112A	X	14.863	14.863	0	%100
40	M112A	Z	0	0	0	%100
41	M114A	X	15.655	15.655	0	%100
42	M114A	Z	0	0	0	%100
43	M116A	X	4.864	4.864	0	%100
44	M116A	Z	0	0	0	%100
45	M117A	X	0	0	0	%100
46	M117A	Z	0	0	0	%100
47	M119A	X	0	0	0	%100
48	M119A	Z	0	0	0	%100
49	M124A	X	2.882	2.882	0	%100
50	M124A	Z	0	0	0	%100
51	M125A	X	7.316	7.316	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]	
52	M125A	Z	0	0	0	%100
53	M126A	X	7.316	7.316	0	%100
54	M126A	Z	0	0	0	%100
55	M127A	X	14.593	14.593	0	%100
56	M127A	Z	0	0	0	%100
57	M130A	X	0	0	0	%100
58	M130A	Z	0	0	0	%100
59	M131A	X	8.103	8.103	0	%100
60	M131A	Z	0	0	0	%100
61	M135A	X	4.864	4.864	0	%100
62	M135A	Z	0	0	0	%100
63	M136A	X	0	0	0	%100
64	M136A	Z	0	0	0	%100
65	M138A	X	0	0	0	%100
66	M138A	Z	0	0	0	%100
67	M140A	X	4.864	4.864	0	%100
68	M140A	Z	0	0	0	%100
69	M141A	X	14.863	14.863	0	%100
70	M141A	Z	0	0	0	%100
71	M143A	X	15.655	15.655	0	%100
72	M143A	Z	0	0	0	%100
73	M148A	X	0	0	0	%100
74	M148A	Z	0	0	0	%100
75	M149A	X	8.513	8.513	0	%100
76	M149A	Z	0	0	0	%100
77	M150A	X	8.513	8.513	0	%100
78	M150A	Z	0	0	0	%100
79	MP4A	X	7.702	7.702	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	9.323	9.323	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	7.702	7.702	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	7.702	7.702	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	7.702	7.702	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	9.323	9.323	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	7.702	7.702	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	7.702	7.702	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	7.702	7.702	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	9.323	9.323	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	7.702	7.702	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	7.702	7.702	0	%100
102	MP1B	Z	0	0	0	%100
103	M101	X	6.298	6.298	0	%100
104	M101	Z	0	0	0	%100
105	M114	X	0	0	0	%100
106	M114	Z	0	0	0	%100
107	M115	X	6.993	6.993	0	%100
108	M115	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
109	M116	X	6.993	6.993	0	%100
110	M116	Z	0	0	0	%100
111	M119	X	7.7	7.7	0	%100
112	M119	Z	0	0	0	%100
113	M122	X	7.7	7.7	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	0	0	0	%100
116	M125	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	M4	X	7.488	7.488	0	%100
2	M4	Z	4.323	4.323	0	%100
3	M10	X	2.112	2.112	0	%100
4	M10	Z	1.219	1.219	0	%100
5	M43	X	2.112	2.112	0	%100
6	M43	Z	1.219	1.219	0	%100
7	M46	X	4.213	4.213	0	%100
8	M46	Z	2.432	2.432	0	%100
9	M51B	X	2.339	2.339	0	%100
10	M51B	Z	1.351	1.351	0	%100
11	M52B	X	9.357	9.357	0	%100
12	M52B	Z	5.402	5.402	0	%100
13	M76	X	12.638	12.638	0	%100
14	M76	Z	7.297	7.297	0	%100
15	M77	X	4.291	4.291	0	%100
16	M77	Z	2.477	2.477	0	%100
17	M80	X	4.519	4.519	0	%100
18	M80	Z	2.609	2.609	0	%100
19	M84	X	12.638	12.638	0	%100
20	M84	Z	7.297	7.297	0	%100
21	M85	X	17.163	17.163	0	%100
22	M85	Z	9.909	9.909	0	%100
23	M91	X	18.077	18.077	0	%100
24	M91	Z	10.437	10.437	0	%100
25	M100A	X	7.488	7.488	0	%100
26	M100A	Z	4.323	4.323	0	%100
27	M101A	X	2.112	2.112	0	%100
28	M101A	Z	1.219	1.219	0	%100
29	M102A	X	2.112	2.112	0	%100
30	M102A	Z	1.219	1.219	0	%100
31	M103A	X	4.213	4.213	0	%100
32	M103A	Z	2.432	2.432	0	%100
33	M106A	X	9.357	9.357	0	%100
34	M106A	Z	5.402	5.402	0	%100
35	M107A	X	2.339	2.339	0	%100
36	M107A	Z	1.351	1.351	0	%100
37	M111A	X	12.638	12.638	0	%100
38	M111A	Z	7.297	7.297	0	%100
39	M112A	X	17.163	17.163	0	%100
40	M112A	Z	9.909	9.909	0	%100
41	M114A	X	18.077	18.077	0	%100
42	M114A	Z	10.437	10.437	0	%100
43	M116A	X	12.638	12.638	0	%100
44	M116A	Z	7.297	7.297	0	%100
45	M117A	X	4.291	4.291	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
46	M117A	Z	2.477	2.477	0 %100
47	M119A	X	4.519	4.519	0 %100
48	M119A	Z	2.609	2.609	0 %100
49	M124A	X	0	0	0 %100
50	M124A	Z	0	0	0 %100
51	M125A	X	8.448	8.448	0 %100
52	M125A	Z	4.877	4.877	0 %100
53	M126A	X	8.448	8.448	0 %100
54	M126A	Z	4.877	4.877	0 %100
55	M127A	X	16.851	16.851	0 %100
56	M127A	Z	9.729	9.729	0 %100
57	M130A	X	2.339	2.339	0 %100
58	M130A	Z	1.351	1.351	0 %100
59	M131A	X	2.339	2.339	0 %100
60	M131A	Z	1.351	1.351	0 %100
61	M135A	X	0	0	0 %100
62	M135A	Z	0	0	0 %100
63	M136A	X	4.291	4.291	0 %100
64	M136A	Z	2.477	2.477	0 %100
65	M138A	X	4.519	4.519	0 %100
66	M138A	Z	2.609	2.609	0 %100
67	M140A	X	0	0	0 %100
68	M140A	Z	0	0	0 %100
69	M141A	X	4.291	4.291	0 %100
70	M141A	Z	2.477	2.477	0 %100
71	M143A	X	4.519	4.519	0 %100
72	M143A	Z	2.609	2.609	0 %100
73	M148A	X	2.457	2.457	0 %100
74	M148A	Z	1.419	1.419	0 %100
75	M149A	X	2.457	2.457	0 %100
76	M149A	Z	1.419	1.419	0 %100
77	M150A	X	9.83	9.83	0 %100
78	M150A	Z	5.675	5.675	0 %100
79	MP4A	X	6.67	6.67	0 %100
80	MP4A	Z	3.851	3.851	0 %100
81	MP3A	X	8.074	8.074	0 %100
82	MP3A	Z	4.662	4.662	0 %100
83	MP2A	X	6.67	6.67	0 %100
84	MP2A	Z	3.851	3.851	0 %100
85	MP1A	X	6.67	6.67	0 %100
86	MP1A	Z	3.851	3.851	0 %100
87	MP4C	X	6.67	6.67	0 %100
88	MP4C	Z	3.851	3.851	0 %100
89	MP3C	X	8.074	8.074	0 %100
90	MP3C	Z	4.662	4.662	0 %100
91	MP2C	X	6.67	6.67	0 %100
92	MP2C	Z	3.851	3.851	0 %100
93	MP1C	X	6.67	6.67	0 %100
94	MP1C	Z	3.851	3.851	0 %100
95	MP4B	X	6.67	6.67	0 %100
96	MP4B	Z	3.851	3.851	0 %100
97	MP3B	X	8.074	8.074	0 %100
98	MP3B	Z	4.662	4.662	0 %100
99	MP2B	X	6.67	6.67	0 %100
100	MP2B	Z	3.851	3.851	0 %100
101	MP1B	X	6.67	6.67	0 %100
102	MP1B	Z	3.851	3.851	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
103	M101	X	5.454	5.454	0	%100
104	M101	Z	3.149	3.149	0	%100
105	M114	X	2.019	2.019	0	%100
106	M114	Z	1.165	1.165	0	%100
107	M115	X	2.019	2.019	0	%100
108	M115	Z	1.165	1.165	0	%100
109	M116	X	8.074	8.074	0	%100
110	M116	Z	4.662	4.662	0	%100
111	M119	X	2.223	2.223	0	%100
112	M119	Z	1.283	1.283	0	%100
113	M122	X	8.891	8.891	0	%100
114	M122	Z	5.133	5.133	0	%100
115	M125	X	2.223	2.223	0	%100
116	M125	Z	1.283	1.283	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	M4	X	1.441	1.441	0	%100
2	M4	Z	2.496	2.496	0	%100
3	M10	X	3.658	3.658	0	%100
4	M10	Z	6.336	6.336	0	%100
5	M43	X	3.658	3.658	0	%100
6	M43	Z	6.336	6.336	0	%100
7	M46	X	7.297	7.297	0	%100
8	M46	Z	12.638	12.638	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	4.052	4.052	0	%100
12	M52B	Z	7.018	7.018	0	%100
13	M76	X	2.432	2.432	0	%100
14	M76	Z	4.213	4.213	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	2.432	2.432	0	%100
20	M84	Z	4.213	4.213	0	%100
21	M85	X	7.432	7.432	0	%100
22	M85	Z	12.872	12.872	0	%100
23	M91	X	7.828	7.828	0	%100
24	M91	Z	13.558	13.558	0	%100
25	M100A	X	5.764	5.764	0	%100
26	M100A	Z	9.984	9.984	0	%100
27	M101A	X	0	0	0	%100
28	M101A	Z	0	0	0	%100
29	M102A	X	0	0	0	%100
30	M102A	Z	0	0	0	%100
31	M103A	X	0	0	0	%100
32	M103A	Z	0	0	0	%100
33	M106A	X	4.052	4.052	0	%100
34	M106A	Z	7.018	7.018	0	%100
35	M107A	X	4.052	4.052	0	%100
36	M107A	Z	7.018	7.018	0	%100
37	M111A	X	9.729	9.729	0	%100
38	M111A	Z	16.851	16.851	0	%100
39	M112A	X	7.432	7.432	0	%100



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
40	M112A	Z	12.872	12.872	0 %100
41	M114A	X	7.828	7.828	0 %100
42	M114A	Z	13.558	13.558	0 %100
43	M116A	X	9.729	9.729	0 %100
44	M116A	Z	16.851	16.851	0 %100
45	M117A	X	7.432	7.432	0 %100
46	M117A	Z	12.872	12.872	0 %100
47	M119A	X	7.828	7.828	0 %100
48	M119A	Z	13.558	13.558	0 %100
49	M124A	X	1.441	1.441	0 %100
50	M124A	Z	2.496	2.496	0 %100
51	M125A	X	3.658	3.658	0 %100
52	M125A	Z	6.336	6.336	0 %100
53	M126A	X	3.658	3.658	0 %100
54	M126A	Z	6.336	6.336	0 %100
55	M127A	X	7.297	7.297	0 %100
56	M127A	Z	12.638	12.638	0 %100
57	M130A	X	4.052	4.052	0 %100
58	M130A	Z	7.018	7.018	0 %100
59	M131A	X	0	0	0 %100
60	M131A	Z	0	0	0 %100
61	M135A	X	2.432	2.432	0 %100
62	M135A	Z	4.213	4.213	0 %100
63	M136A	X	7.432	7.432	0 %100
64	M136A	Z	12.872	12.872	0 %100
65	M138A	X	7.828	7.828	0 %100
66	M138A	Z	13.558	13.558	0 %100
67	M140A	X	2.432	2.432	0 %100
68	M140A	Z	4.213	4.213	0 %100
69	M141A	X	0	0	0 %100
70	M141A	Z	0	0	0 %100
71	M143A	X	0	0	0 %100
72	M143A	Z	0	0	0 %100
73	M148A	X	4.256	4.256	0 %100
74	M148A	Z	7.372	7.372	0 %100
75	M149A	X	0	0	0 %100
76	M149A	Z	0	0	0 %100
77	M150A	X	4.256	4.256	0 %100
78	M150A	Z	7.372	7.372	0 %100
79	MP4A	X	3.851	3.851	0 %100
80	MP4A	Z	6.67	6.67	0 %100
81	MP3A	X	4.662	4.662	0 %100
82	MP3A	Z	8.074	8.074	0 %100
83	MP2A	X	3.851	3.851	0 %100
84	MP2A	Z	6.67	6.67	0 %100
85	MP1A	X	3.851	3.851	0 %100
86	MP1A	Z	6.67	6.67	0 %100
87	MP4C	X	3.851	3.851	0 %100
88	MP4C	Z	6.67	6.67	0 %100
89	MP3C	X	4.662	4.662	0 %100
90	MP3C	Z	8.074	8.074	0 %100
91	MP2C	X	3.851	3.851	0 %100
92	MP2C	Z	6.67	6.67	0 %100
93	MP1C	X	3.851	3.851	0 %100
94	MP1C	Z	6.67	6.67	0 %100
95	MP4B	X	3.851	3.851	0 %100
96	MP4B	Z	6.67	6.67	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
97	MP3B	X	4.662	4.662	0	%100
98	MP3B	Z	8.074	8.074	0	%100
99	MP2B	X	3.851	3.851	0	%100
100	MP2B	Z	6.67	6.67	0	%100
101	MP1B	X	3.851	3.851	0	%100
102	MP1B	Z	6.67	6.67	0	%100
103	M101	X	3.149	3.149	0	%100
104	M101	Z	5.454	5.454	0	%100
105	M114	X	3.496	3.496	0	%100
106	M114	Z	6.056	6.056	0	%100
107	M115	X	0	0	0	%100
108	M115	Z	0	0	0	%100
109	M116	X	3.496	3.496	0	%100
110	M116	Z	6.056	6.056	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	0	0	0	%100
113	M122	X	3.85	3.85	0	%100
114	M122	Z	6.668	6.668	0	%100
115	M125	X	3.85	3.85	0	%100
116	M125	Z	6.668	6.668	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	9.755	9.755	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	9.755	9.755	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	19.457	19.457	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	2.701	2.701	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	2.701	2.701	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	4.954	4.954	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	5.218	5.218	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	4.954	4.954	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	5.218	5.218	0	%100
25	M100A	X	0	0	0	%100
26	M100A	Z	8.646	8.646	0	%100
27	M101A	X	0	0	0	%100
28	M101A	Z	2.439	2.439	0	%100
29	M102A	X	0	0	0	%100
30	M102A	Z	2.439	2.439	0	%100
31	M103A	X	0	0	0	%100
32	M103A	Z	4.864	4.864	0	%100
33	M106A	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
34	M106A	Z	2.701	2.701	0 %100
35	M107A	X	0	0	0 %100
36	M107A	Z	10.804	10.804	0 %100
37	M111A	X	0	0	0 %100
38	M111A	Z	14.593	14.593	0 %100
39	M112A	X	0	0	0 %100
40	M112A	Z	4.954	4.954	0 %100
41	M114A	X	0	0	0 %100
42	M114A	Z	5.218	5.218	0 %100
43	M116A	X	0	0	0 %100
44	M116A	Z	14.593	14.593	0 %100
45	M117A	X	0	0	0 %100
46	M117A	Z	19.818	19.818	0 %100
47	M119A	X	0	0	0 %100
48	M119A	Z	20.874	20.874	0 %100
49	M124A	X	0	0	0 %100
50	M124A	Z	8.646	8.646	0 %100
51	M125A	X	0	0	0 %100
52	M125A	Z	2.439	2.439	0 %100
53	M126A	X	0	0	0 %100
54	M126A	Z	2.439	2.439	0 %100
55	M127A	X	0	0	0 %100
56	M127A	Z	4.864	4.864	0 %100
57	M130A	X	0	0	0 %100
58	M130A	Z	10.804	10.804	0 %100
59	M131A	X	0	0	0 %100
60	M131A	Z	2.701	2.701	0 %100
61	M135A	X	0	0	0 %100
62	M135A	Z	14.593	14.593	0 %100
63	M136A	X	0	0	0 %100
64	M136A	Z	19.818	19.818	0 %100
65	M138A	X	0	0	0 %100
66	M138A	Z	20.874	20.874	0 %100
67	M140A	X	0	0	0 %100
68	M140A	Z	14.593	14.593	0 %100
69	M141A	X	0	0	0 %100
70	M141A	Z	4.954	4.954	0 %100
71	M143A	X	0	0	0 %100
72	M143A	Z	5.218	5.218	0 %100
73	M148A	X	0	0	0 %100
74	M148A	Z	11.35	11.35	0 %100
75	M149A	X	0	0	0 %100
76	M149A	Z	2.838	2.838	0 %100
77	M150A	X	0	0	0 %100
78	M150A	Z	2.838	2.838	0 %100
79	MP4A	X	0	0	0 %100
80	MP4A	Z	7.702	7.702	0 %100
81	MP3A	X	0	0	0 %100
82	MP3A	Z	9.323	9.323	0 %100
83	MP2A	X	0	0	0 %100
84	MP2A	Z	7.702	7.702	0 %100
85	MP1A	X	0	0	0 %100
86	MP1A	Z	7.702	7.702	0 %100
87	MP4C	X	0	0	0 %100
88	MP4C	Z	7.702	7.702	0 %100
89	MP3C	X	0	0	0 %100
90	MP3C	Z	9.323	9.323	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	MP2C	X	0	0	0	%100
92	MP2C	Z	7.702	7.702	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	7.702	7.702	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	7.702	7.702	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	9.323	9.323	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	7.702	7.702	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	7.702	7.702	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	6.298	6.298	0	%100
105	M114	X	0	0	0	%100
106	M114	Z	9.323	9.323	0	%100
107	M115	X	0	0	0	%100
108	M115	Z	2.331	2.331	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	2.331	2.331	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	2.567	2.567	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	2.567	2.567	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	10.266	10.266	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	M4	X	-1.441	-1.441	0	%100
2	M4	Z	2.496	2.496	0	%100
3	M10	X	-3.658	-3.658	0	%100
4	M10	Z	6.336	6.336	0	%100
5	M43	X	-3.658	-3.658	0	%100
6	M43	Z	6.336	6.336	0	%100
7	M46	X	-7.297	-7.297	0	%100
8	M46	Z	12.638	12.638	0	%100
9	M51B	X	-4.052	-4.052	0	%100
10	M51B	Z	7.018	7.018	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-2.432	-2.432	0	%100
14	M76	Z	4.213	4.213	0	%100
15	M77	X	-7.432	-7.432	0	%100
16	M77	Z	12.872	12.872	0	%100
17	M80	X	-7.828	-7.828	0	%100
18	M80	Z	13.558	13.558	0	%100
19	M84	X	-2.432	-2.432	0	%100
20	M84	Z	4.213	4.213	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M100A	X	-1.441	-1.441	0	%100
26	M100A	Z	2.496	2.496	0	%100
27	M101A	X	-3.658	-3.658	0	%100



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
28	M101A	Z	6.336	6.336	0 %100
29	M102A	X	-3.658	-3.658	0 %100
30	M102A	Z	6.336	6.336	0 %100
31	M103A	X	-7.297	-7.297	0 %100
32	M103A	Z	12.638	12.638	0 %100
33	M106A	X	0	0	0 %100
34	M106A	Z	0	0	0 %100
35	M107A	X	-4.052	-4.052	0 %100
36	M107A	Z	7.018	7.018	0 %100
37	M111A	X	-2.432	-2.432	0 %100
38	M111A	Z	4.213	4.213	0 %100
39	M112A	X	0	0	0 %100
40	M112A	Z	0	0	0 %100
41	M114A	X	0	0	0 %100
42	M114A	Z	0	0	0 %100
43	M116A	X	-2.432	-2.432	0 %100
44	M116A	Z	4.213	4.213	0 %100
45	M117A	X	-7.432	-7.432	0 %100
46	M117A	Z	12.872	12.872	0 %100
47	M119A	X	-7.828	-7.828	0 %100
48	M119A	Z	13.558	13.558	0 %100
49	M124A	X	-5.764	-5.764	0 %100
50	M124A	Z	9.984	9.984	0 %100
51	M125A	X	0	0	0 %100
52	M125A	Z	0	0	0 %100
53	M126A	X	0	0	0 %100
54	M126A	Z	0	0	0 %100
55	M127A	X	0	0	0 %100
56	M127A	Z	0	0	0 %100
57	M130A	X	-4.052	-4.052	0 %100
58	M130A	Z	7.018	7.018	0 %100
59	M131A	X	-4.052	-4.052	0 %100
60	M131A	Z	7.018	7.018	0 %100
61	M135A	X	-9.729	-9.729	0 %100
62	M135A	Z	16.851	16.851	0 %100
63	M136A	X	-7.432	-7.432	0 %100
64	M136A	Z	12.872	12.872	0 %100
65	M138A	X	-7.828	-7.828	0 %100
66	M138A	Z	13.558	13.558	0 %100
67	M140A	X	-9.729	-9.729	0 %100
68	M140A	Z	16.851	16.851	0 %100
69	M141A	X	-7.432	-7.432	0 %100
70	M141A	Z	12.872	12.872	0 %100
71	M143A	X	-7.828	-7.828	0 %100
72	M143A	Z	13.558	13.558	0 %100
73	M148A	X	-4.256	-4.256	0 %100
74	M148A	Z	7.372	7.372	0 %100
75	M149A	X	-4.256	-4.256	0 %100
76	M149A	Z	7.372	7.372	0 %100
77	M150A	X	0	0	0 %100
78	M150A	Z	0	0	0 %100
79	MP4A	X	-3.851	-3.851	0 %100
80	MP4A	Z	6.67	6.67	0 %100
81	MP3A	X	-4.662	-4.662	0 %100
82	MP3A	Z	8.074	8.074	0 %100
83	MP2A	X	-3.851	-3.851	0 %100
84	MP2A	Z	6.67	6.67	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
85	MP1A	X	-3.851	-3.851	0	%100
86	MP1A	Z	6.67	6.67	0	%100
87	MP4C	X	-3.851	-3.851	0	%100
88	MP4C	Z	6.67	6.67	0	%100
89	MP3C	X	-4.662	-4.662	0	%100
90	MP3C	Z	8.074	8.074	0	%100
91	MP2C	X	-3.851	-3.851	0	%100
92	MP2C	Z	6.67	6.67	0	%100
93	MP1C	X	-3.851	-3.851	0	%100
94	MP1C	Z	6.67	6.67	0	%100
95	MP4B	X	-3.851	-3.851	0	%100
96	MP4B	Z	6.67	6.67	0	%100
97	MP3B	X	-4.662	-4.662	0	%100
98	MP3B	Z	8.074	8.074	0	%100
99	MP2B	X	-3.851	-3.851	0	%100
100	MP2B	Z	6.67	6.67	0	%100
101	MP1B	X	-3.851	-3.851	0	%100
102	MP1B	Z	6.67	6.67	0	%100
103	M101	X	-3.149	-3.149	0	%100
104	M101	Z	5.454	5.454	0	%100
105	M114	X	-3.496	-3.496	0	%100
106	M114	Z	6.056	6.056	0	%100
107	M115	X	-3.496	-3.496	0	%100
108	M115	Z	6.056	6.056	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	0	0	0	%100
111	M119	X	-3.85	-3.85	0	%100
112	M119	Z	6.668	6.668	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	-3.85	-3.85	0	%100
116	M125	Z	6.668	6.668	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	M4	X	-7.488	-7.488	0	%100
2	M4	Z	4.323	4.323	0	%100
3	M10	X	-2.112	-2.112	0	%100
4	M10	Z	1.219	1.219	0	%100
5	M43	X	-2.112	-2.112	0	%100
6	M43	Z	1.219	1.219	0	%100
7	M46	X	-4.213	-4.213	0	%100
8	M46	Z	2.432	2.432	0	%100
9	M51B	X	-9.357	-9.357	0	%100
10	M51B	Z	5.402	5.402	0	%100
11	M52B	X	-2.339	-2.339	0	%100
12	M52B	Z	1.351	1.351	0	%100
13	M76	X	-12.638	-12.638	0	%100
14	M76	Z	7.297	7.297	0	%100
15	M77	X	-17.163	-17.163	0	%100
16	M77	Z	9.909	9.909	0	%100
17	M80	X	-18.077	-18.077	0	%100
18	M80	Z	10.437	10.437	0	%100
19	M84	X	-12.638	-12.638	0	%100
20	M84	Z	7.297	7.297	0	%100
21	M85	X	-4.291	-4.291	0	%100



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
22	M85	Z	2.477	2.477	0 %100
23	M91	X	-4.519	-4.519	0 %100
24	M91	Z	2.609	2.609	0 %100
25	M100A	X	0	0	0 %100
26	M100A	Z	0	0	0 %100
27	M101A	X	-8.448	-8.448	0 %100
28	M101A	Z	4.877	4.877	0 %100
29	M102A	X	-8.448	-8.448	0 %100
30	M102A	Z	4.877	4.877	0 %100
31	M103A	X	-16.851	-16.851	0 %100
32	M103A	Z	9.729	9.729	0 %100
33	M106A	X	-2.339	-2.339	0 %100
34	M106A	Z	1.351	1.351	0 %100
35	M107A	X	-2.339	-2.339	0 %100
36	M107A	Z	1.351	1.351	0 %100
37	M111A	X	0	0	0 %100
38	M111A	Z	0	0	0 %100
39	M112A	X	-4.291	-4.291	0 %100
40	M112A	Z	2.477	2.477	0 %100
41	M114A	X	-4.519	-4.519	0 %100
42	M114A	Z	2.609	2.609	0 %100
43	M116A	X	0	0	0 %100
44	M116A	Z	0	0	0 %100
45	M117A	X	-4.291	-4.291	0 %100
46	M117A	Z	2.477	2.477	0 %100
47	M119A	X	-4.519	-4.519	0 %100
48	M119A	Z	2.609	2.609	0 %100
49	M124A	X	-7.488	-7.488	0 %100
50	M124A	Z	4.323	4.323	0 %100
51	M125A	X	-2.112	-2.112	0 %100
52	M125A	Z	1.219	1.219	0 %100
53	M126A	X	-2.112	-2.112	0 %100
54	M126A	Z	1.219	1.219	0 %100
55	M127A	X	-4.213	-4.213	0 %100
56	M127A	Z	2.432	2.432	0 %100
57	M130A	X	-2.339	-2.339	0 %100
58	M130A	Z	1.351	1.351	0 %100
59	M131A	X	-9.357	-9.357	0 %100
60	M131A	Z	5.402	5.402	0 %100
61	M135A	X	-12.638	-12.638	0 %100
62	M135A	Z	7.297	7.297	0 %100
63	M136A	X	-4.291	-4.291	0 %100
64	M136A	Z	2.477	2.477	0 %100
65	M138A	X	-4.519	-4.519	0 %100
66	M138A	Z	2.609	2.609	0 %100
67	M140A	X	-12.638	-12.638	0 %100
68	M140A	Z	7.297	7.297	0 %100
69	M141A	X	-17.163	-17.163	0 %100
70	M141A	Z	9.909	9.909	0 %100
71	M143A	X	-18.077	-18.077	0 %100
72	M143A	Z	10.437	10.437	0 %100
73	M148A	X	-2.457	-2.457	0 %100
74	M148A	Z	1.419	1.419	0 %100
75	M149A	X	-9.83	-9.83	0 %100
76	M149A	Z	5.675	5.675	0 %100
77	M150A	X	-2.457	-2.457	0 %100
78	M150A	Z	1.419	1.419	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
79	MP4A	X	-6.67	-6.67	0	%100
80	MP4A	Z	3.851	3.851	0	%100
81	MP3A	X	-8.074	-8.074	0	%100
82	MP3A	Z	4.662	4.662	0	%100
83	MP2A	X	-6.67	-6.67	0	%100
84	MP2A	Z	3.851	3.851	0	%100
85	MP1A	X	-6.67	-6.67	0	%100
86	MP1A	Z	3.851	3.851	0	%100
87	MP4C	X	-6.67	-6.67	0	%100
88	MP4C	Z	3.851	3.851	0	%100
89	MP3C	X	-8.074	-8.074	0	%100
90	MP3C	Z	4.662	4.662	0	%100
91	MP2C	X	-6.67	-6.67	0	%100
92	MP2C	Z	3.851	3.851	0	%100
93	MP1C	X	-6.67	-6.67	0	%100
94	MP1C	Z	3.851	3.851	0	%100
95	MP4B	X	-6.67	-6.67	0	%100
96	MP4B	Z	3.851	3.851	0	%100
97	MP3B	X	-8.074	-8.074	0	%100
98	MP3B	Z	4.662	4.662	0	%100
99	MP2B	X	-6.67	-6.67	0	%100
100	MP2B	Z	3.851	3.851	0	%100
101	MP1B	X	-6.67	-6.67	0	%100
102	MP1B	Z	3.851	3.851	0	%100
103	M101	X	-5.454	-5.454	0	%100
104	M101	Z	3.149	3.149	0	%100
105	M114	X	-2.019	-2.019	0	%100
106	M114	Z	1.165	1.165	0	%100
107	M115	X	-8.074	-8.074	0	%100
108	M115	Z	4.662	4.662	0	%100
109	M116	X	-2.019	-2.019	0	%100
110	M116	Z	1.165	1.165	0	%100
111	M119	X	-8.891	-8.891	0	%100
112	M119	Z	5.133	5.133	0	%100
113	M122	X	-2.223	-2.223	0	%100
114	M122	Z	1.283	1.283	0	%100
115	M125	X	-2.223	-2.223	0	%100
116	M125	Z	1.283	1.283	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	M4	X	-11.528	-11.528	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-8.103	-8.103	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-8.103	-8.103	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-19.457	-19.457	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-14.863	-14.863	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
16	M77	Z	0	0	0	%100
17	M80	X	-15.655	-15.655	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-19.457	-19.457	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-14.863	-14.863	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-15.655	-15.655	0	%100
24	M91	Z	0	0	0	%100
25	M100A	X	-2.882	-2.882	0	%100
26	M100A	Z	0	0	0	%100
27	M101A	X	-7.316	-7.316	0	%100
28	M101A	Z	0	0	0	%100
29	M102A	X	-7.316	-7.316	0	%100
30	M102A	Z	0	0	0	%100
31	M103A	X	-14.593	-14.593	0	%100
32	M103A	Z	0	0	0	%100
33	M106A	X	-8.103	-8.103	0	%100
34	M106A	Z	0	0	0	%100
35	M107A	X	0	0	0	%100
36	M107A	Z	0	0	0	%100
37	M111A	X	-4.864	-4.864	0	%100
38	M111A	Z	0	0	0	%100
39	M112A	X	-14.863	-14.863	0	%100
40	M112A	Z	0	0	0	%100
41	M114A	X	-15.655	-15.655	0	%100
42	M114A	Z	0	0	0	%100
43	M116A	X	-4.864	-4.864	0	%100
44	M116A	Z	0	0	0	%100
45	M117A	X	0	0	0	%100
46	M117A	Z	0	0	0	%100
47	M119A	X	0	0	0	%100
48	M119A	Z	0	0	0	%100
49	M124A	X	-2.882	-2.882	0	%100
50	M124A	Z	0	0	0	%100
51	M125A	X	-7.316	-7.316	0	%100
52	M125A	Z	0	0	0	%100
53	M126A	X	-7.316	-7.316	0	%100
54	M126A	Z	0	0	0	%100
55	M127A	X	-14.593	-14.593	0	%100
56	M127A	Z	0	0	0	%100
57	M130A	X	0	0	0	%100
58	M130A	Z	0	0	0	%100
59	M131A	X	-8.103	-8.103	0	%100
60	M131A	Z	0	0	0	%100
61	M135A	X	-4.864	-4.864	0	%100
62	M135A	Z	0	0	0	%100
63	M136A	X	0	0	0	%100
64	M136A	Z	0	0	0	%100
65	M138A	X	0	0	0	%100
66	M138A	Z	0	0	0	%100
67	M140A	X	-4.864	-4.864	0	%100
68	M140A	Z	0	0	0	%100
69	M141A	X	-14.863	-14.863	0	%100
70	M141A	Z	0	0	0	%100
71	M143A	X	-15.655	-15.655	0	%100
72	M143A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
73	M148A	X	0	0	0	%100
74	M148A	Z	0	0	0	%100
75	M149A	X	-8.513	-8.513	0	%100
76	M149A	Z	0	0	0	%100
77	M150A	X	-8.513	-8.513	0	%100
78	M150A	Z	0	0	0	%100
79	MP4A	X	-7.702	-7.702	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	-9.323	-9.323	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	-7.702	-7.702	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	-7.702	-7.702	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	-7.702	-7.702	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	-9.323	-9.323	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	-7.702	-7.702	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-7.702	-7.702	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	-7.702	-7.702	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	-9.323	-9.323	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	-7.702	-7.702	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-7.702	-7.702	0	%100
102	MP1B	Z	0	0	0	%100
103	M101	X	-6.298	-6.298	0	%100
104	M101	Z	0	0	0	%100
105	M114	X	0	0	0	%100
106	M114	Z	0	0	0	%100
107	M115	X	-6.993	-6.993	0	%100
108	M115	Z	0	0	0	%100
109	M116	X	-6.993	-6.993	0	%100
110	M116	Z	0	0	0	%100
111	M119	X	-7.7	-7.7	0	%100
112	M119	Z	0	0	0	%100
113	M122	X	-7.7	-7.7	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	0	0	0	%100
116	M125	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	M4	X	-7.488	-7.488	0	%100
2	M4	Z	-4.323	-4.323	0	%100
3	M10	X	-2.112	-2.112	0	%100
4	M10	Z	-1.219	-1.219	0	%100
5	M43	X	-2.112	-2.112	0	%100
6	M43	Z	-1.219	-1.219	0	%100
7	M46	X	-4.213	-4.213	0	%100
8	M46	Z	-2.432	-2.432	0	%100
9	M51B	X	-2.339	-2.339	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
10	M51B	Z	-1.351	-1.351	0 %100
11	M52B	X	-9.357	-9.357	0 %100
12	M52B	Z	-5.402	-5.402	0 %100
13	M76	X	-12.638	-12.638	0 %100
14	M76	Z	-7.297	-7.297	0 %100
15	M77	X	-4.291	-4.291	0 %100
16	M77	Z	-2.477	-2.477	0 %100
17	M80	X	-4.519	-4.519	0 %100
18	M80	Z	-2.609	-2.609	0 %100
19	M84	X	-12.638	-12.638	0 %100
20	M84	Z	-7.297	-7.297	0 %100
21	M85	X	-17.163	-17.163	0 %100
22	M85	Z	-9.909	-9.909	0 %100
23	M91	X	-18.077	-18.077	0 %100
24	M91	Z	-10.437	-10.437	0 %100
25	M100A	X	-7.488	-7.488	0 %100
26	M100A	Z	-4.323	-4.323	0 %100
27	M101A	X	-2.112	-2.112	0 %100
28	M101A	Z	-1.219	-1.219	0 %100
29	M102A	X	-2.112	-2.112	0 %100
30	M102A	Z	-1.219	-1.219	0 %100
31	M103A	X	-4.213	-4.213	0 %100
32	M103A	Z	-2.432	-2.432	0 %100
33	M106A	X	-9.357	-9.357	0 %100
34	M106A	Z	-5.402	-5.402	0 %100
35	M107A	X	-2.339	-2.339	0 %100
36	M107A	Z	-1.351	-1.351	0 %100
37	M111A	X	-12.638	-12.638	0 %100
38	M111A	Z	-7.297	-7.297	0 %100
39	M112A	X	-17.163	-17.163	0 %100
40	M112A	Z	-9.909	-9.909	0 %100
41	M114A	X	-18.077	-18.077	0 %100
42	M114A	Z	-10.437	-10.437	0 %100
43	M116A	X	-12.638	-12.638	0 %100
44	M116A	Z	-7.297	-7.297	0 %100
45	M117A	X	-4.291	-4.291	0 %100
46	M117A	Z	-2.477	-2.477	0 %100
47	M119A	X	-4.519	-4.519	0 %100
48	M119A	Z	-2.609	-2.609	0 %100
49	M124A	X	0	0	0 %100
50	M124A	Z	0	0	0 %100
51	M125A	X	-8.448	-8.448	0 %100
52	M125A	Z	-4.877	-4.877	0 %100
53	M126A	X	-8.448	-8.448	0 %100
54	M126A	Z	-4.877	-4.877	0 %100
55	M127A	X	-16.851	-16.851	0 %100
56	M127A	Z	-9.729	-9.729	0 %100
57	M130A	X	-2.339	-2.339	0 %100
58	M130A	Z	-1.351	-1.351	0 %100
59	M131A	X	-2.339	-2.339	0 %100
60	M131A	Z	-1.351	-1.351	0 %100
61	M135A	X	0	0	0 %100
62	M135A	Z	0	0	0 %100
63	M136A	X	-4.291	-4.291	0 %100
64	M136A	Z	-2.477	-2.477	0 %100
65	M138A	X	-4.519	-4.519	0 %100
66	M138A	Z	-2.609	-2.609	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
67	M140A	X	0	0	0	%100
68	M140A	Z	0	0	0	%100
69	M141A	X	-4.291	-4.291	0	%100
70	M141A	Z	-2.477	-2.477	0	%100
71	M143A	X	-4.519	-4.519	0	%100
72	M143A	Z	-2.609	-2.609	0	%100
73	M148A	X	-2.457	-2.457	0	%100
74	M148A	Z	-1.419	-1.419	0	%100
75	M149A	X	-2.457	-2.457	0	%100
76	M149A	Z	-1.419	-1.419	0	%100
77	M150A	X	-9.83	-9.83	0	%100
78	M150A	Z	-5.675	-5.675	0	%100
79	MP4A	X	-6.67	-6.67	0	%100
80	MP4A	Z	-3.851	-3.851	0	%100
81	MP3A	X	-8.074	-8.074	0	%100
82	MP3A	Z	-4.662	-4.662	0	%100
83	MP2A	X	-6.67	-6.67	0	%100
84	MP2A	Z	-3.851	-3.851	0	%100
85	MP1A	X	-6.67	-6.67	0	%100
86	MP1A	Z	-3.851	-3.851	0	%100
87	MP4C	X	-6.67	-6.67	0	%100
88	MP4C	Z	-3.851	-3.851	0	%100
89	MP3C	X	-8.074	-8.074	0	%100
90	MP3C	Z	-4.662	-4.662	0	%100
91	MP2C	X	-6.67	-6.67	0	%100
92	MP2C	Z	-3.851	-3.851	0	%100
93	MP1C	X	-6.67	-6.67	0	%100
94	MP1C	Z	-3.851	-3.851	0	%100
95	MP4B	X	-6.67	-6.67	0	%100
96	MP4B	Z	-3.851	-3.851	0	%100
97	MP3B	X	-8.074	-8.074	0	%100
98	MP3B	Z	-4.662	-4.662	0	%100
99	MP2B	X	-6.67	-6.67	0	%100
100	MP2B	Z	-3.851	-3.851	0	%100
101	MP1B	X	-6.67	-6.67	0	%100
102	MP1B	Z	-3.851	-3.851	0	%100
103	M101	X	-5.454	-5.454	0	%100
104	M101	Z	-3.149	-3.149	0	%100
105	M114	X	-2.019	-2.019	0	%100
106	M114	Z	-1.165	-1.165	0	%100
107	M115	X	-2.019	-2.019	0	%100
108	M115	Z	-1.165	-1.165	0	%100
109	M116	X	-8.074	-8.074	0	%100
110	M116	Z	-4.662	-4.662	0	%100
111	M119	X	-2.223	-2.223	0	%100
112	M119	Z	-1.283	-1.283	0	%100
113	M122	X	-8.891	-8.891	0	%100
114	M122	Z	-5.133	-5.133	0	%100
115	M125	X	-2.223	-2.223	0	%100
116	M125	Z	-1.283	-1.283	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	M4	X	-1.441	-1.441	0	%100
2	M4	Z	-2.496	-2.496	0	%100
3	M10	X	-3.658	-3.658	0	%100



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
4	M10	Z	-6.336	-6.336	0 %100
5	M43	X	-3.658	-3.658	0 %100
6	M43	Z	-6.336	-6.336	0 %100
7	M46	X	-7.297	-7.297	0 %100
8	M46	Z	-12.638	-12.638	0 %100
9	M51B	X	0	0	0 %100
10	M51B	Z	0	0	0 %100
11	M52B	X	-4.052	-4.052	0 %100
12	M52B	Z	-7.018	-7.018	0 %100
13	M76	X	-2.432	-2.432	0 %100
14	M76	Z	-4.213	-4.213	0 %100
15	M77	X	0	0	0 %100
16	M77	Z	0	0	0 %100
17	M80	X	0	0	0 %100
18	M80	Z	0	0	0 %100
19	M84	X	-2.432	-2.432	0 %100
20	M84	Z	-4.213	-4.213	0 %100
21	M85	X	-7.432	-7.432	0 %100
22	M85	Z	-12.872	-12.872	0 %100
23	M91	X	-7.828	-7.828	0 %100
24	M91	Z	-13.558	-13.558	0 %100
25	M100A	X	-5.764	-5.764	0 %100
26	M100A	Z	-9.984	-9.984	0 %100
27	M101A	X	0	0	0 %100
28	M101A	Z	0	0	0 %100
29	M102A	X	0	0	0 %100
30	M102A	Z	0	0	0 %100
31	M103A	X	0	0	0 %100
32	M103A	Z	0	0	0 %100
33	M106A	X	-4.052	-4.052	0 %100
34	M106A	Z	-7.018	-7.018	0 %100
35	M107A	X	-4.052	-4.052	0 %100
36	M107A	Z	-7.018	-7.018	0 %100
37	M111A	X	-9.729	-9.729	0 %100
38	M111A	Z	-16.851	-16.851	0 %100
39	M112A	X	-7.432	-7.432	0 %100
40	M112A	Z	-12.872	-12.872	0 %100
41	M114A	X	-7.828	-7.828	0 %100
42	M114A	Z	-13.558	-13.558	0 %100
43	M116A	X	-9.729	-9.729	0 %100
44	M116A	Z	-16.851	-16.851	0 %100
45	M117A	X	-7.432	-7.432	0 %100
46	M117A	Z	-12.872	-12.872	0 %100
47	M119A	X	-7.828	-7.828	0 %100
48	M119A	Z	-13.558	-13.558	0 %100
49	M124A	X	-1.441	-1.441	0 %100
50	M124A	Z	-2.496	-2.496	0 %100
51	M125A	X	-3.658	-3.658	0 %100
52	M125A	Z	-6.336	-6.336	0 %100
53	M126A	X	-3.658	-3.658	0 %100
54	M126A	Z	-6.336	-6.336	0 %100
55	M127A	X	-7.297	-7.297	0 %100
56	M127A	Z	-12.638	-12.638	0 %100
57	M130A	X	-4.052	-4.052	0 %100
58	M130A	Z	-7.018	-7.018	0 %100
59	M131A	X	0	0	0 %100
60	M131A	Z	0	0	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
61	M135A	X	-2.432	-2.432	0 %100
62	M135A	Z	-4.213	-4.213	0 %100
63	M136A	X	-7.432	-7.432	0 %100
64	M136A	Z	-12.872	-12.872	0 %100
65	M138A	X	-7.828	-7.828	0 %100
66	M138A	Z	-13.558	-13.558	0 %100
67	M140A	X	-2.432	-2.432	0 %100
68	M140A	Z	-4.213	-4.213	0 %100
69	M141A	X	0	0	0 %100
70	M141A	Z	0	0	0 %100
71	M143A	X	0	0	0 %100
72	M143A	Z	0	0	0 %100
73	M148A	X	-4.256	-4.256	0 %100
74	M148A	Z	-7.372	-7.372	0 %100
75	M149A	X	0	0	0 %100
76	M149A	Z	0	0	0 %100
77	M150A	X	-4.256	-4.256	0 %100
78	M150A	Z	-7.372	-7.372	0 %100
79	MP4A	X	-3.851	-3.851	0 %100
80	MP4A	Z	-6.67	-6.67	0 %100
81	MP3A	X	-4.662	-4.662	0 %100
82	MP3A	Z	-8.074	-8.074	0 %100
83	MP2A	X	-3.851	-3.851	0 %100
84	MP2A	Z	-6.67	-6.67	0 %100
85	MP1A	X	-3.851	-3.851	0 %100
86	MP1A	Z	-6.67	-6.67	0 %100
87	MP4C	X	-3.851	-3.851	0 %100
88	MP4C	Z	-6.67	-6.67	0 %100
89	MP3C	X	-4.662	-4.662	0 %100
90	MP3C	Z	-8.074	-8.074	0 %100
91	MP2C	X	-3.851	-3.851	0 %100
92	MP2C	Z	-6.67	-6.67	0 %100
93	MP1C	X	-3.851	-3.851	0 %100
94	MP1C	Z	-6.67	-6.67	0 %100
95	MP4B	X	-3.851	-3.851	0 %100
96	MP4B	Z	-6.67	-6.67	0 %100
97	MP3B	X	-4.662	-4.662	0 %100
98	MP3B	Z	-8.074	-8.074	0 %100
99	MP2B	X	-3.851	-3.851	0 %100
100	MP2B	Z	-6.67	-6.67	0 %100
101	MP1B	X	-3.851	-3.851	0 %100
102	MP1B	Z	-6.67	-6.67	0 %100
103	M101	X	-3.149	-3.149	0 %100
104	M101	Z	-5.454	-5.454	0 %100
105	M114	X	-3.496	-3.496	0 %100
106	M114	Z	-6.056	-6.056	0 %100
107	M115	X	0	0	0 %100
108	M115	Z	0	0	0 %100
109	M116	X	-3.496	-3.496	0 %100
110	M116	Z	-6.056	-6.056	0 %100
111	M119	X	0	0	0 %100
112	M119	Z	0	0	0 %100
113	M122	X	-3.85	-3.85	0 %100
114	M122	Z	-6.668	-6.668	0 %100
115	M125	X	-3.85	-3.85	0 %100
116	M125	Z	-6.668	-6.668	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-2.78	-2.78	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-2.78	-2.78	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-4.349	-4.349	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-8	-8	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-8	-8	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-1.085	-1.085	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-1.133	-1.133	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-1.085	-1.085	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-1.133	-1.133	0	%100
25	M100A	X	0	0	0	%100
26	M100A	Z	-2.56	-2.56	0	%100
27	M101A	X	0	0	0	%100
28	M101A	Z	-.695	-.695	0	%100
29	M102A	X	0	0	0	%100
30	M102A	Z	-.695	-.695	0	%100
31	M103A	X	0	0	0	%100
32	M103A	Z	-1.087	-1.087	0	%100
33	M106A	X	0	0	0	%100
34	M106A	Z	-.8	-.8	0	%100
35	M107A	X	0	0	0	%100
36	M107A	Z	-3.2	-3.2	0	%100
37	M111A	X	0	0	0	%100
38	M111A	Z	-3.208	-3.208	0	%100
39	M112A	X	0	0	0	%100
40	M112A	Z	-1.085	-1.085	0	%100
41	M114A	X	0	0	0	%100
42	M114A	Z	-1.133	-1.133	0	%100
43	M116A	X	0	0	0	%100
44	M116A	Z	-3.208	-3.208	0	%100
45	M117A	X	0	0	0	%100
46	M117A	Z	-4.342	-4.342	0	%100
47	M119A	X	0	0	0	%100
48	M119A	Z	-4.532	-4.532	0	%100
49	M124A	X	0	0	0	%100
50	M124A	Z	-2.56	-2.56	0	%100
51	M125A	X	0	0	0	%100
52	M125A	Z	-.695	-.695	0	%100
53	M126A	X	0	0	0	%100
54	M126A	Z	-.695	-.695	0	%100
55	M127A	X	0	0	0	%100
56	M127A	Z	-1.087	-1.087	0	%100
57	M130A	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
58	M130A	Z	-3.2	-3.2	0 %100
59	M131A	X	0	0	0 %100
60	M131A	Z	-.8	-.8	0 %100
61	M135A	X	0	0	0 %100
62	M135A	Z	-3.208	-3.208	0 %100
63	M136A	X	0	0	0 %100
64	M136A	Z	-4.342	-4.342	0 %100
65	M138A	X	0	0	0 %100
66	M138A	Z	-4.532	-4.532	0 %100
67	M140A	X	0	0	0 %100
68	M140A	Z	-3.208	-3.208	0 %100
69	M141A	X	0	0	0 %100
70	M141A	Z	-1.085	-1.085	0 %100
71	M143A	X	0	0	0 %100
72	M143A	Z	-1.133	-1.133	0 %100
73	M148A	X	0	0	0 %100
74	M148A	Z	-3.381	-3.381	0 %100
75	M149A	X	0	0	0 %100
76	M149A	Z	-.845	-.845	0 %100
77	M150A	X	0	0	0 %100
78	M150A	Z	-.845	-.845	0 %100
79	MP4A	X	0	0	0 %100
80	MP4A	Z	-2.726	-2.726	0 %100
81	MP3A	X	0	0	0 %100
82	MP3A	Z	-3.018	-3.018	0 %100
83	MP2A	X	0	0	0 %100
84	MP2A	Z	-2.726	-2.726	0 %100
85	MP1A	X	0	0	0 %100
86	MP1A	Z	-2.726	-2.726	0 %100
87	MP4C	X	0	0	0 %100
88	MP4C	Z	-2.726	-2.726	0 %100
89	MP3C	X	0	0	0 %100
90	MP3C	Z	-3.018	-3.018	0 %100
91	MP2C	X	0	0	0 %100
92	MP2C	Z	-2.726	-2.726	0 %100
93	MP1C	X	0	0	0 %100
94	MP1C	Z	-2.726	-2.726	0 %100
95	MP4B	X	0	0	0 %100
96	MP4B	Z	-2.726	-2.726	0 %100
97	MP3B	X	0	0	0 %100
98	MP3B	Z	-3.018	-3.018	0 %100
99	MP2B	X	0	0	0 %100
100	MP2B	Z	-2.726	-2.726	0 %100
101	MP1B	X	0	0	0 %100
102	MP1B	Z	-2.726	-2.726	0 %100
103	M101	X	0	0	0 %100
104	M101	Z	-2.241	-2.241	0 %100
105	M114	X	0	0	0 %100
106	M114	Z	-3.018	-3.018	0 %100
107	M115	X	0	0	0 %100
108	M115	Z	-.754	-.754	0 %100
109	M116	X	0	0	0 %100
110	M116	Z	-.754	-.754	0 %100
111	M119	X	0	0	0 %100
112	M119	Z	-.673	-.673	0 %100
113	M122	X	0	0	0 %100
114	M122	Z	-.673	-.673	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M125	X	0	0	0	%100
116	M125	Z	-2.694	-2.694	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	M4	X	.427	.427	0	%100
2	M4	Z	-.739	-.739	0	%100
3	M10	X	1.043	1.043	0	%100
4	M10	Z	-1.806	-1.806	0	%100
5	M43	X	1.043	1.043	0	%100
6	M43	Z	-1.806	-1.806	0	%100
7	M46	X	1.631	1.631	0	%100
8	M46	Z	-2.824	-2.824	0	%100
9	M51B	X	1.2	1.2	0	%100
10	M51B	Z	-2.078	-2.078	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.535	.535	0	%100
14	M76	Z	-.926	-.926	0	%100
15	M77	X	1.628	1.628	0	%100
16	M77	Z	-2.82	-2.82	0	%100
17	M80	X	1.699	1.699	0	%100
18	M80	Z	-2.943	-2.943	0	%100
19	M84	X	.535	.535	0	%100
20	M84	Z	-.926	-.926	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M100A	X	.427	.427	0	%100
26	M100A	Z	-.739	-.739	0	%100
27	M101A	X	1.043	1.043	0	%100
28	M101A	Z	-1.806	-1.806	0	%100
29	M102A	X	1.043	1.043	0	%100
30	M102A	Z	-1.806	-1.806	0	%100
31	M103A	X	1.631	1.631	0	%100
32	M103A	Z	-2.824	-2.824	0	%100
33	M106A	X	0	0	0	%100
34	M106A	Z	0	0	0	%100
35	M107A	X	1.2	1.2	0	%100
36	M107A	Z	-2.078	-2.078	0	%100
37	M111A	X	.535	.535	0	%100
38	M111A	Z	-.926	-.926	0	%100
39	M112A	X	0	0	0	%100
40	M112A	Z	0	0	0	%100
41	M114A	X	0	0	0	%100
42	M114A	Z	0	0	0	%100
43	M116A	X	.535	.535	0	%100
44	M116A	Z	-.926	-.926	0	%100
45	M117A	X	1.628	1.628	0	%100
46	M117A	Z	-2.82	-2.82	0	%100
47	M119A	X	1.699	1.699	0	%100
48	M119A	Z	-2.943	-2.943	0	%100
49	M124A	X	1.707	1.707	0	%100
50	M124A	Z	-2.956	-2.956	0	%100
51	M125A	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
52	M125A	Z	0	0	0	%100
53	M126A	X	0	0	0	%100
54	M126A	Z	0	0	0	%100
55	M127A	X	0	0	0	%100
56	M127A	Z	0	0	0	%100
57	M130A	X	1.2	1.2	0	%100
58	M130A	Z	-2.078	-2.078	0	%100
59	M131A	X	1.2	1.2	0	%100
60	M131A	Z	-2.078	-2.078	0	%100
61	M135A	X	2.139	2.139	0	%100
62	M135A	Z	-3.704	-3.704	0	%100
63	M136A	X	1.628	1.628	0	%100
64	M136A	Z	-2.82	-2.82	0	%100
65	M138A	X	1.699	1.699	0	%100
66	M138A	Z	-2.943	-2.943	0	%100
67	M140A	X	2.139	2.139	0	%100
68	M140A	Z	-3.704	-3.704	0	%100
69	M141A	X	1.628	1.628	0	%100
70	M141A	Z	-2.82	-2.82	0	%100
71	M143A	X	1.699	1.699	0	%100
72	M143A	Z	-2.943	-2.943	0	%100
73	M148A	X	1.268	1.268	0	%100
74	M148A	Z	-2.196	-2.196	0	%100
75	M149A	X	1.268	1.268	0	%100
76	M149A	Z	-2.196	-2.196	0	%100
77	M150A	X	0	0	0	%100
78	M150A	Z	0	0	0	%100
79	MP4A	X	1.363	1.363	0	%100
80	MP4A	Z	-2.361	-2.361	0	%100
81	MP3A	X	1.509	1.509	0	%100
82	MP3A	Z	-2.613	-2.613	0	%100
83	MP2A	X	1.363	1.363	0	%100
84	MP2A	Z	-2.361	-2.361	0	%100
85	MP1A	X	1.363	1.363	0	%100
86	MP1A	Z	-2.361	-2.361	0	%100
87	MP4C	X	1.363	1.363	0	%100
88	MP4C	Z	-2.361	-2.361	0	%100
89	MP3C	X	1.509	1.509	0	%100
90	MP3C	Z	-2.613	-2.613	0	%100
91	MP2C	X	1.363	1.363	0	%100
92	MP2C	Z	-2.361	-2.361	0	%100
93	MP1C	X	1.363	1.363	0	%100
94	MP1C	Z	-2.361	-2.361	0	%100
95	MP4B	X	1.363	1.363	0	%100
96	MP4B	Z	-2.361	-2.361	0	%100
97	MP3B	X	1.509	1.509	0	%100
98	MP3B	Z	-2.613	-2.613	0	%100
99	MP2B	X	1.363	1.363	0	%100
100	MP2B	Z	-2.361	-2.361	0	%100
101	MP1B	X	1.363	1.363	0	%100
102	MP1B	Z	-2.361	-2.361	0	%100
103	M101	X	1.12	1.12	0	%100
104	M101	Z	-1.94	-1.94	0	%100
105	M114	X	1.132	1.132	0	%100
106	M114	Z	-1.96	-1.96	0	%100
107	M115	X	1.132	1.132	0	%100
108	M115	Z	-1.96	-1.96	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
109	M116	X	0	0	0	%100
110	M116	Z	0	0	0	%100
111	M119	X	1.01	1.01	0	%100
112	M119	Z	-1.75	-1.75	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	1.01	1.01	0	%100
116	M125	Z	-1.75	-1.75	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	M4	X	2.217	2.217	0	%100
2	M4	Z	-1.28	-1.28	0	%100
3	M10	X	.602	.602	0	%100
4	M10	Z	-.348	-.348	0	%100
5	M43	X	.602	.602	0	%100
6	M43	Z	-.348	-.348	0	%100
7	M46	X	.941	.941	0	%100
8	M46	Z	-.544	-.544	0	%100
9	M51B	X	2.771	2.771	0	%100
10	M51B	Z	-1.6	-1.6	0	%100
11	M52B	X	.693	.693	0	%100
12	M52B	Z	-.4	-.4	0	%100
13	M76	X	2.778	2.778	0	%100
14	M76	Z	-1.604	-1.604	0	%100
15	M77	X	3.76	3.76	0	%100
16	M77	Z	-2.171	-2.171	0	%100
17	M80	X	3.924	3.924	0	%100
18	M80	Z	-2.266	-2.266	0	%100
19	M84	X	2.778	2.778	0	%100
20	M84	Z	-1.604	-1.604	0	%100
21	M85	X	.94	.94	0	%100
22	M85	Z	-.543	-.543	0	%100
23	M91	X	.981	.981	0	%100
24	M91	Z	-.566	-.566	0	%100
25	M100A	X	0	0	0	%100
26	M100A	Z	0	0	0	%100
27	M101A	X	2.408	2.408	0	%100
28	M101A	Z	-1.39	-1.39	0	%100
29	M102A	X	2.408	2.408	0	%100
30	M102A	Z	-1.39	-1.39	0	%100
31	M103A	X	3.766	3.766	0	%100
32	M103A	Z	-2.174	-2.174	0	%100
33	M106A	X	.693	.693	0	%100
34	M106A	Z	-.4	-.4	0	%100
35	M107A	X	.693	.693	0	%100
36	M107A	Z	-.4	-.4	0	%100
37	M111A	X	0	0	0	%100
38	M111A	Z	0	0	0	%100
39	M112A	X	.94	.94	0	%100
40	M112A	Z	-.543	-.543	0	%100
41	M114A	X	.981	.981	0	%100
42	M114A	Z	-.566	-.566	0	%100
43	M116A	X	0	0	0	%100
44	M116A	Z	0	0	0	%100
45	M117A	X	.94	.94	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
46	M117A	Z	-.543	-.543	0 %100
47	M119A	X	.981	.981	0 %100
48	M119A	Z	-.566	-.566	0 %100
49	M124A	X	2.217	2.217	0 %100
50	M124A	Z	-1.28	-1.28	0 %100
51	M125A	X	.602	.602	0 %100
52	M125A	Z	-.348	-.348	0 %100
53	M126A	X	.602	.602	0 %100
54	M126A	Z	-.348	-.348	0 %100
55	M127A	X	.941	.941	0 %100
56	M127A	Z	-.544	-.544	0 %100
57	M130A	X	.693	.693	0 %100
58	M130A	Z	-.4	-.4	0 %100
59	M131A	X	2.771	2.771	0 %100
60	M131A	Z	-1.6	-1.6	0 %100
61	M135A	X	2.778	2.778	0 %100
62	M135A	Z	-1.604	-1.604	0 %100
63	M136A	X	.94	.94	0 %100
64	M136A	Z	-.543	-.543	0 %100
65	M138A	X	.981	.981	0 %100
66	M138A	Z	-.566	-.566	0 %100
67	M140A	X	2.778	2.778	0 %100
68	M140A	Z	-1.604	-1.604	0 %100
69	M141A	X	3.76	3.76	0 %100
70	M141A	Z	-2.171	-2.171	0 %100
71	M143A	X	3.924	3.924	0 %100
72	M143A	Z	-2.266	-2.266	0 %100
73	M148A	X	.732	.732	0 %100
74	M148A	Z	-.423	-.423	0 %100
75	M149A	X	2.928	2.928	0 %100
76	M149A	Z	-1.691	-1.691	0 %100
77	M150A	X	.732	.732	0 %100
78	M150A	Z	-.423	-.423	0 %100
79	MP4A	X	2.361	2.361	0 %100
80	MP4A	Z	-1.363	-1.363	0 %100
81	MP3A	X	2.613	2.613	0 %100
82	MP3A	Z	-1.509	-1.509	0 %100
83	MP2A	X	2.361	2.361	0 %100
84	MP2A	Z	-1.363	-1.363	0 %100
85	MP1A	X	2.361	2.361	0 %100
86	MP1A	Z	-1.363	-1.363	0 %100
87	MP4C	X	2.361	2.361	0 %100
88	MP4C	Z	-1.363	-1.363	0 %100
89	MP3C	X	2.613	2.613	0 %100
90	MP3C	Z	-1.509	-1.509	0 %100
91	MP2C	X	2.361	2.361	0 %100
92	MP2C	Z	-1.363	-1.363	0 %100
93	MP1C	X	2.361	2.361	0 %100
94	MP1C	Z	-1.363	-1.363	0 %100
95	MP4B	X	2.361	2.361	0 %100
96	MP4B	Z	-1.363	-1.363	0 %100
97	MP3B	X	2.613	2.613	0 %100
98	MP3B	Z	-1.509	-1.509	0 %100
99	MP2B	X	2.361	2.361	0 %100
100	MP2B	Z	-1.363	-1.363	0 %100
101	MP1B	X	2.361	2.361	0 %100
102	MP1B	Z	-1.363	-1.363	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
103	M101	X	1.94	1.94	0	%100
104	M101	Z	-1.12	-1.12	0	%100
105	M114	X	.653	.653	0	%100
106	M114	Z	-.377	-.377	0	%100
107	M115	X	2.613	2.613	0	%100
108	M115	Z	-1.509	-1.509	0	%100
109	M116	X	.653	.653	0	%100
110	M116	Z	-.377	-.377	0	%100
111	M119	X	2.333	2.333	0	%100
112	M119	Z	-1.347	-1.347	0	%100
113	M122	X	.583	.583	0	%100
114	M122	Z	-.337	-.337	0	%100
115	M125	X	.583	.583	0	%100
116	M125	Z	-.337	-.337	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	M4	X	3.414	3.414	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	2.4	2.4	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	2.4	2.4	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	4.277	4.277	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	3.256	3.256	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	3.399	3.399	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	4.277	4.277	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	3.256	3.256	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	3.399	3.399	0	%100
24	M91	Z	0	0	0	%100
25	M100A	X	.853	.853	0	%100
26	M100A	Z	0	0	0	%100
27	M101A	X	2.085	2.085	0	%100
28	M101A	Z	0	0	0	%100
29	M102A	X	2.085	2.085	0	%100
30	M102A	Z	0	0	0	%100
31	M103A	X	3.261	3.261	0	%100
32	M103A	Z	0	0	0	%100
33	M106A	X	2.4	2.4	0	%100
34	M106A	Z	0	0	0	%100
35	M107A	X	0	0	0	%100
36	M107A	Z	0	0	0	%100
37	M111A	X	1.069	1.069	0	%100
38	M111A	Z	0	0	0	%100
39	M112A	X	3.256	3.256	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
40	M112A	Z	0	0	0	%100
41	M114A	X	3.399	3.399	0	%100
42	M114A	Z	0	0	0	%100
43	M116A	X	1.069	1.069	0	%100
44	M116A	Z	0	0	0	%100
45	M117A	X	0	0	0	%100
46	M117A	Z	0	0	0	%100
47	M119A	X	0	0	0	%100
48	M119A	Z	0	0	0	%100
49	M124A	X	.853	.853	0	%100
50	M124A	Z	0	0	0	%100
51	M125A	X	2.085	2.085	0	%100
52	M125A	Z	0	0	0	%100
53	M126A	X	2.085	2.085	0	%100
54	M126A	Z	0	0	0	%100
55	M127A	X	3.261	3.261	0	%100
56	M127A	Z	0	0	0	%100
57	M130A	X	0	0	0	%100
58	M130A	Z	0	0	0	%100
59	M131A	X	2.4	2.4	0	%100
60	M131A	Z	0	0	0	%100
61	M135A	X	1.069	1.069	0	%100
62	M135A	Z	0	0	0	%100
63	M136A	X	0	0	0	%100
64	M136A	Z	0	0	0	%100
65	M138A	X	0	0	0	%100
66	M138A	Z	0	0	0	%100
67	M140A	X	1.069	1.069	0	%100
68	M140A	Z	0	0	0	%100
69	M141A	X	3.256	3.256	0	%100
70	M141A	Z	0	0	0	%100
71	M143A	X	3.399	3.399	0	%100
72	M143A	Z	0	0	0	%100
73	M148A	X	0	0	0	%100
74	M148A	Z	0	0	0	%100
75	M149A	X	2.536	2.536	0	%100
76	M149A	Z	0	0	0	%100
77	M150A	X	2.536	2.536	0	%100
78	M150A	Z	0	0	0	%100
79	MP4A	X	2.726	2.726	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	3.018	3.018	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	2.726	2.726	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	2.726	2.726	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	2.726	2.726	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	3.018	3.018	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	2.726	2.726	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	2.726	2.726	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	2.726	2.726	0	%100
96	MP4B	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
97	MP3B	X	3.018	3.018	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	2.726	2.726	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	2.726	2.726	0	%100
102	MP1B	Z	0	0	0	%100
103	M101	X	2.241	2.241	0	%100
104	M101	Z	0	0	0	%100
105	M114	X	0	0	0	%100
106	M114	Z	0	0	0	%100
107	M115	X	2.263	2.263	0	%100
108	M115	Z	0	0	0	%100
109	M116	X	2.263	2.263	0	%100
110	M116	Z	0	0	0	%100
111	M119	X	2.02	2.02	0	%100
112	M119	Z	0	0	0	%100
113	M122	X	2.02	2.02	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	0	0	0	%100
116	M125	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	M4	X	2.217	2.217	0	%100
2	M4	Z	1.28	1.28	0	%100
3	M10	X	.602	.602	0	%100
4	M10	Z	.348	.348	0	%100
5	M43	X	.602	.602	0	%100
6	M43	Z	.348	.348	0	%100
7	M46	X	.941	.941	0	%100
8	M46	Z	.544	.544	0	%100
9	M51B	X	.693	.693	0	%100
10	M51B	Z	.4	.4	0	%100
11	M52B	X	2.771	2.771	0	%100
12	M52B	Z	1.6	1.6	0	%100
13	M76	X	2.778	2.778	0	%100
14	M76	Z	1.604	1.604	0	%100
15	M77	X	.94	.94	0	%100
16	M77	Z	.543	.543	0	%100
17	M80	X	.981	.981	0	%100
18	M80	Z	.566	.566	0	%100
19	M84	X	2.778	2.778	0	%100
20	M84	Z	1.604	1.604	0	%100
21	M85	X	3.76	3.76	0	%100
22	M85	Z	2.171	2.171	0	%100
23	M91	X	3.924	3.924	0	%100
24	M91	Z	2.266	2.266	0	%100
25	M100A	X	2.217	2.217	0	%100
26	M100A	Z	1.28	1.28	0	%100
27	M101A	X	.602	.602	0	%100
28	M101A	Z	.348	.348	0	%100
29	M102A	X	.602	.602	0	%100
30	M102A	Z	.348	.348	0	%100
31	M103A	X	.941	.941	0	%100
32	M103A	Z	.544	.544	0	%100
33	M106A	X	2.771	2.771	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.%]
34	M106A	Z	1.6	1.6	0 %100
35	M107A	X	.693	.693	0 %100
36	M107A	Z	.4	.4	0 %100
37	M111A	X	2.778	2.778	0 %100
38	M111A	Z	1.604	1.604	0 %100
39	M112A	X	3.76	3.76	0 %100
40	M112A	Z	2.171	2.171	0 %100
41	M114A	X	3.924	3.924	0 %100
42	M114A	Z	2.266	2.266	0 %100
43	M116A	X	2.778	2.778	0 %100
44	M116A	Z	1.604	1.604	0 %100
45	M117A	X	.94	.94	0 %100
46	M117A	Z	.543	.543	0 %100
47	M119A	X	.981	.981	0 %100
48	M119A	Z	.566	.566	0 %100
49	M124A	X	0	0	0 %100
50	M124A	Z	0	0	0 %100
51	M125A	X	2.408	2.408	0 %100
52	M125A	Z	1.39	1.39	0 %100
53	M126A	X	2.408	2.408	0 %100
54	M126A	Z	1.39	1.39	0 %100
55	M127A	X	3.766	3.766	0 %100
56	M127A	Z	2.174	2.174	0 %100
57	M130A	X	.693	.693	0 %100
58	M130A	Z	.4	.4	0 %100
59	M131A	X	.693	.693	0 %100
60	M131A	Z	.4	.4	0 %100
61	M135A	X	0	0	0 %100
62	M135A	Z	0	0	0 %100
63	M136A	X	.94	.94	0 %100
64	M136A	Z	.543	.543	0 %100
65	M138A	X	.981	.981	0 %100
66	M138A	Z	.566	.566	0 %100
67	M140A	X	0	0	0 %100
68	M140A	Z	0	0	0 %100
69	M141A	X	.94	.94	0 %100
70	M141A	Z	.543	.543	0 %100
71	M143A	X	.981	.981	0 %100
72	M143A	Z	.566	.566	0 %100
73	M148A	X	.732	.732	0 %100
74	M148A	Z	.423	.423	0 %100
75	M149A	X	.732	.732	0 %100
76	M149A	Z	.423	.423	0 %100
77	M150A	X	2.928	2.928	0 %100
78	M150A	Z	1.691	1.691	0 %100
79	MP4A	X	2.361	2.361	0 %100
80	MP4A	Z	1.363	1.363	0 %100
81	MP3A	X	2.613	2.613	0 %100
82	MP3A	Z	1.509	1.509	0 %100
83	MP2A	X	2.361	2.361	0 %100
84	MP2A	Z	1.363	1.363	0 %100
85	MP1A	X	2.361	2.361	0 %100
86	MP1A	Z	1.363	1.363	0 %100
87	MP4C	X	2.361	2.361	0 %100
88	MP4C	Z	1.363	1.363	0 %100
89	MP3C	X	2.613	2.613	0 %100
90	MP3C	Z	1.509	1.509	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	MP2C	X	2.361	2.361	0	%100
92	MP2C	Z	1.363	1.363	0	%100
93	MP1C	X	2.361	2.361	0	%100
94	MP1C	Z	1.363	1.363	0	%100
95	MP4B	X	2.361	2.361	0	%100
96	MP4B	Z	1.363	1.363	0	%100
97	MP3B	X	2.613	2.613	0	%100
98	MP3B	Z	1.509	1.509	0	%100
99	MP2B	X	2.361	2.361	0	%100
100	MP2B	Z	1.363	1.363	0	%100
101	MP1B	X	2.361	2.361	0	%100
102	MP1B	Z	1.363	1.363	0	%100
103	M101	X	1.94	1.94	0	%100
104	M101	Z	1.12	1.12	0	%100
105	M114	X	.653	.653	0	%100
106	M114	Z	.377	.377	0	%100
107	M115	X	.653	.653	0	%100
108	M115	Z	.377	.377	0	%100
109	M116	X	2.613	2.613	0	%100
110	M116	Z	1.509	1.509	0	%100
111	M119	X	.583	.583	0	%100
112	M119	Z	.337	.337	0	%100
113	M122	X	2.333	2.333	0	%100
114	M122	Z	1.347	1.347	0	%100
115	M125	X	.583	.583	0	%100
116	M125	Z	.337	.337	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	M4	X	.427	.427	0	%100
2	M4	Z	.739	.739	0	%100
3	M10	X	1.043	1.043	0	%100
4	M10	Z	1.806	1.806	0	%100
5	M43	X	1.043	1.043	0	%100
6	M43	Z	1.806	1.806	0	%100
7	M46	X	1.631	1.631	0	%100
8	M46	Z	2.824	2.824	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	1.2	1.2	0	%100
12	M52B	Z	2.078	2.078	0	%100
13	M76	X	.535	.535	0	%100
14	M76	Z	.926	.926	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	.535	.535	0	%100
20	M84	Z	.926	.926	0	%100
21	M85	X	1.628	1.628	0	%100
22	M85	Z	2.82	2.82	0	%100
23	M91	X	1.699	1.699	0	%100
24	M91	Z	2.943	2.943	0	%100
25	M100A	X	1.707	1.707	0	%100
26	M100A	Z	2.956	2.956	0	%100
27	M101A	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
28	M101A	Z	0	0	0	%100
29	M102A	X	0	0	0	%100
30	M102A	Z	0	0	0	%100
31	M103A	X	0	0	0	%100
32	M103A	Z	0	0	0	%100
33	M106A	X	1.2	1.2	0	%100
34	M106A	Z	2.078	2.078	0	%100
35	M107A	X	1.2	1.2	0	%100
36	M107A	Z	2.078	2.078	0	%100
37	M111A	X	2.139	2.139	0	%100
38	M111A	Z	3.704	3.704	0	%100
39	M112A	X	1.628	1.628	0	%100
40	M112A	Z	2.82	2.82	0	%100
41	M114A	X	1.699	1.699	0	%100
42	M114A	Z	2.943	2.943	0	%100
43	M116A	X	2.139	2.139	0	%100
44	M116A	Z	3.704	3.704	0	%100
45	M117A	X	1.628	1.628	0	%100
46	M117A	Z	2.82	2.82	0	%100
47	M119A	X	1.699	1.699	0	%100
48	M119A	Z	2.943	2.943	0	%100
49	M124A	X	.427	.427	0	%100
50	M124A	Z	.739	.739	0	%100
51	M125A	X	1.043	1.043	0	%100
52	M125A	Z	1.806	1.806	0	%100
53	M126A	X	1.043	1.043	0	%100
54	M126A	Z	1.806	1.806	0	%100
55	M127A	X	1.631	1.631	0	%100
56	M127A	Z	2.824	2.824	0	%100
57	M130A	X	1.2	1.2	0	%100
58	M130A	Z	2.078	2.078	0	%100
59	M131A	X	0	0	0	%100
60	M131A	Z	0	0	0	%100
61	M135A	X	.535	.535	0	%100
62	M135A	Z	.926	.926	0	%100
63	M136A	X	1.628	1.628	0	%100
64	M136A	Z	2.82	2.82	0	%100
65	M138A	X	1.699	1.699	0	%100
66	M138A	Z	2.943	2.943	0	%100
67	M140A	X	.535	.535	0	%100
68	M140A	Z	.926	.926	0	%100
69	M141A	X	0	0	0	%100
70	M141A	Z	0	0	0	%100
71	M143A	X	0	0	0	%100
72	M143A	Z	0	0	0	%100
73	M148A	X	1.268	1.268	0	%100
74	M148A	Z	2.196	2.196	0	%100
75	M149A	X	0	0	0	%100
76	M149A	Z	0	0	0	%100
77	M150A	X	1.268	1.268	0	%100
78	M150A	Z	2.196	2.196	0	%100
79	MP4A	X	1.363	1.363	0	%100
80	MP4A	Z	2.361	2.361	0	%100
81	MP3A	X	1.509	1.509	0	%100
82	MP3A	Z	2.613	2.613	0	%100
83	MP2A	X	1.363	1.363	0	%100
84	MP2A	Z	2.361	2.361	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
85	MP1A	X	1.363	1.363	0	%100
86	MP1A	Z	2.361	2.361	0	%100
87	MP4C	X	1.363	1.363	0	%100
88	MP4C	Z	2.361	2.361	0	%100
89	MP3C	X	1.509	1.509	0	%100
90	MP3C	Z	2.613	2.613	0	%100
91	MP2C	X	1.363	1.363	0	%100
92	MP2C	Z	2.361	2.361	0	%100
93	MP1C	X	1.363	1.363	0	%100
94	MP1C	Z	2.361	2.361	0	%100
95	MP4B	X	1.363	1.363	0	%100
96	MP4B	Z	2.361	2.361	0	%100
97	MP3B	X	1.509	1.509	0	%100
98	MP3B	Z	2.613	2.613	0	%100
99	MP2B	X	1.363	1.363	0	%100
100	MP2B	Z	2.361	2.361	0	%100
101	MP1B	X	1.363	1.363	0	%100
102	MP1B	Z	2.361	2.361	0	%100
103	M101	X	1.12	1.12	0	%100
104	M101	Z	1.94	1.94	0	%100
105	M114	X	1.132	1.132	0	%100
106	M114	Z	1.96	1.96	0	%100
107	M115	X	0	0	0	%100
108	M115	Z	0	0	0	%100
109	M116	X	1.132	1.132	0	%100
110	M116	Z	1.96	1.96	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	0	0	0	%100
113	M122	X	1.01	1.01	0	%100
114	M122	Z	1.75	1.75	0	%100
115	M125	X	1.01	1.01	0	%100
116	M125	Z	1.75	1.75	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	2.78	2.78	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	2.78	2.78	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	4.349	4.349	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	.8	.8	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.8	.8	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	1.085	1.085	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	1.133	1.133	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100



Company : Maser Consulting
 Designer : AJH
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Member Distributed Loads (BLC 59 : Structure Wi (180 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
22	M85	Z	1.085	1.085	0 %100
23	M91	X	0	0	0 %100
24	M91	Z	1.133	1.133	0 %100
25	M100A	X	0	0	0 %100
26	M100A	Z	2.56	2.56	0 %100
27	M101A	X	0	0	0 %100
28	M101A	Z	.695	.695	0 %100
29	M102A	X	0	0	0 %100
30	M102A	Z	.695	.695	0 %100
31	M103A	X	0	0	0 %100
32	M103A	Z	1.087	1.087	0 %100
33	M106A	X	0	0	0 %100
34	M106A	Z	.8	.8	0 %100
35	M107A	X	0	0	0 %100
36	M107A	Z	3.2	3.2	0 %100
37	M111A	X	0	0	0 %100
38	M111A	Z	3.208	3.208	0 %100
39	M112A	X	0	0	0 %100
40	M112A	Z	1.085	1.085	0 %100
41	M114A	X	0	0	0 %100
42	M114A	Z	1.133	1.133	0 %100
43	M116A	X	0	0	0 %100
44	M116A	Z	3.208	3.208	0 %100
45	M117A	X	0	0	0 %100
46	M117A	Z	4.342	4.342	0 %100
47	M119A	X	0	0	0 %100
48	M119A	Z	4.532	4.532	0 %100
49	M124A	X	0	0	0 %100
50	M124A	Z	2.56	2.56	0 %100
51	M125A	X	0	0	0 %100
52	M125A	Z	.695	.695	0 %100
53	M126A	X	0	0	0 %100
54	M126A	Z	.695	.695	0 %100
55	M127A	X	0	0	0 %100
56	M127A	Z	1.087	1.087	0 %100
57	M130A	X	0	0	0 %100
58	M130A	Z	3.2	3.2	0 %100
59	M131A	X	0	0	0 %100
60	M131A	Z	.8	.8	0 %100
61	M135A	X	0	0	0 %100
62	M135A	Z	3.208	3.208	0 %100
63	M136A	X	0	0	0 %100
64	M136A	Z	4.342	4.342	0 %100
65	M138A	X	0	0	0 %100
66	M138A	Z	4.532	4.532	0 %100
67	M140A	X	0	0	0 %100
68	M140A	Z	3.208	3.208	0 %100
69	M141A	X	0	0	0 %100
70	M141A	Z	1.085	1.085	0 %100
71	M143A	X	0	0	0 %100
72	M143A	Z	1.133	1.133	0 %100
73	M148A	X	0	0	0 %100
74	M148A	Z	3.381	3.381	0 %100
75	M149A	X	0	0	0 %100
76	M149A	Z	.845	.845	0 %100
77	M150A	X	0	0	0 %100
78	M150A	Z	.845	.845	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
79	MP4A	X	0	0	0	%100
80	MP4A	Z	2.726	2.726	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	3.018	3.018	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	2.726	2.726	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	2.726	2.726	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	2.726	2.726	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	3.018	3.018	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	2.726	2.726	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	2.726	2.726	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	2.726	2.726	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	3.018	3.018	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	2.726	2.726	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	2.726	2.726	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	2.241	2.241	0	%100
105	M114	X	0	0	0	%100
106	M114	Z	3.018	3.018	0	%100
107	M115	X	0	0	0	%100
108	M115	Z	.754	.754	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	.754	.754	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	.673	.673	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	.673	.673	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	2.694	2.694	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	M4	X	-.427	-.427	0	%100
2	M4	Z	.739	.739	0	%100
3	M10	X	-1.043	-1.043	0	%100
4	M10	Z	1.806	1.806	0	%100
5	M43	X	-1.043	-1.043	0	%100
6	M43	Z	1.806	1.806	0	%100
7	M46	X	-1.631	-1.631	0	%100
8	M46	Z	2.824	2.824	0	%100
9	M51B	X	-1.2	-1.2	0	%100
10	M51B	Z	2.078	2.078	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.535	-.535	0	%100
14	M76	Z	.926	.926	0	%100
15	M77	X	-1.628	-1.628	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
16	M77	Z	2.82	2.82	0 %100
17	M80	X	-1.699	-1.699	0 %100
18	M80	Z	2.943	2.943	0 %100
19	M84	X	-.535	-.535	0 %100
20	M84	Z	.926	.926	0 %100
21	M85	X	0	0	0 %100
22	M85	Z	0	0	0 %100
23	M91	X	0	0	0 %100
24	M91	Z	0	0	0 %100
25	M100A	X	-.427	-.427	0 %100
26	M100A	Z	.739	.739	0 %100
27	M101A	X	-1.043	-1.043	0 %100
28	M101A	Z	1.806	1.806	0 %100
29	M102A	X	-1.043	-1.043	0 %100
30	M102A	Z	1.806	1.806	0 %100
31	M103A	X	-1.631	-1.631	0 %100
32	M103A	Z	2.824	2.824	0 %100
33	M106A	X	0	0	0 %100
34	M106A	Z	0	0	0 %100
35	M107A	X	-1.2	-1.2	0 %100
36	M107A	Z	2.078	2.078	0 %100
37	M111A	X	-.535	-.535	0 %100
38	M111A	Z	.926	.926	0 %100
39	M112A	X	0	0	0 %100
40	M112A	Z	0	0	0 %100
41	M114A	X	0	0	0 %100
42	M114A	Z	0	0	0 %100
43	M116A	X	-.535	-.535	0 %100
44	M116A	Z	.926	.926	0 %100
45	M117A	X	-1.628	-1.628	0 %100
46	M117A	Z	2.82	2.82	0 %100
47	M119A	X	-1.699	-1.699	0 %100
48	M119A	Z	2.943	2.943	0 %100
49	M124A	X	-1.707	-1.707	0 %100
50	M124A	Z	2.956	2.956	0 %100
51	M125A	X	0	0	0 %100
52	M125A	Z	0	0	0 %100
53	M126A	X	0	0	0 %100
54	M126A	Z	0	0	0 %100
55	M127A	X	0	0	0 %100
56	M127A	Z	0	0	0 %100
57	M130A	X	-1.2	-1.2	0 %100
58	M130A	Z	2.078	2.078	0 %100
59	M131A	X	-1.2	-1.2	0 %100
60	M131A	Z	2.078	2.078	0 %100
61	M135A	X	-2.139	-2.139	0 %100
62	M135A	Z	3.704	3.704	0 %100
63	M136A	X	-1.628	-1.628	0 %100
64	M136A	Z	2.82	2.82	0 %100
65	M138A	X	-1.699	-1.699	0 %100
66	M138A	Z	2.943	2.943	0 %100
67	M140A	X	-2.139	-2.139	0 %100
68	M140A	Z	3.704	3.704	0 %100
69	M141A	X	-1.628	-1.628	0 %100
70	M141A	Z	2.82	2.82	0 %100
71	M143A	X	-1.699	-1.699	0 %100
72	M143A	Z	2.943	2.943	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%,]	End Location[ft.%,]
73	M148A	X	-1.268	-1.268	0	%100
74	M148A	Z	2.196	2.196	0	%100
75	M149A	X	-1.268	-1.268	0	%100
76	M149A	Z	2.196	2.196	0	%100
77	M150A	X	0	0	0	%100
78	M150A	Z	0	0	0	%100
79	MP4A	X	-1.363	-1.363	0	%100
80	MP4A	Z	2.361	2.361	0	%100
81	MP3A	X	-1.509	-1.509	0	%100
82	MP3A	Z	2.613	2.613	0	%100
83	MP2A	X	-1.363	-1.363	0	%100
84	MP2A	Z	2.361	2.361	0	%100
85	MP1A	X	-1.363	-1.363	0	%100
86	MP1A	Z	2.361	2.361	0	%100
87	MP4C	X	-1.363	-1.363	0	%100
88	MP4C	Z	2.361	2.361	0	%100
89	MP3C	X	-1.509	-1.509	0	%100
90	MP3C	Z	2.613	2.613	0	%100
91	MP2C	X	-1.363	-1.363	0	%100
92	MP2C	Z	2.361	2.361	0	%100
93	MP1C	X	-1.363	-1.363	0	%100
94	MP1C	Z	2.361	2.361	0	%100
95	MP4B	X	-1.363	-1.363	0	%100
96	MP4B	Z	2.361	2.361	0	%100
97	MP3B	X	-1.509	-1.509	0	%100
98	MP3B	Z	2.613	2.613	0	%100
99	MP2B	X	-1.363	-1.363	0	%100
100	MP2B	Z	2.361	2.361	0	%100
101	MP1B	X	-1.363	-1.363	0	%100
102	MP1B	Z	2.361	2.361	0	%100
103	M101	X	-1.12	-1.12	0	%100
104	M101	Z	1.94	1.94	0	%100
105	M114	X	-1.132	-1.132	0	%100
106	M114	Z	1.96	1.96	0	%100
107	M115	X	-1.132	-1.132	0	%100
108	M115	Z	1.96	1.96	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	0	0	0	%100
111	M119	X	-1.01	-1.01	0	%100
112	M119	Z	1.75	1.75	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	-1.01	-1.01	0	%100
116	M125	Z	1.75	1.75	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	M4	X	-2.217	-2.217	0	%100
2	M4	Z	1.28	1.28	0	%100
3	M10	X	-.602	-.602	0	%100
4	M10	Z	.348	.348	0	%100
5	M43	X	-.602	-.602	0	%100
6	M43	Z	.348	.348	0	%100
7	M46	X	-.941	-.941	0	%100
8	M46	Z	.544	.544	0	%100
9	M51B	X	-2.771	-2.771	0	%100



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
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Member Distributed Loads (BLC 61 : Structure Wi (240 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
10	M51B	Z	1.6	1.6	0	%100
11	M52B	X	-0.693	-0.693	0	%100
12	M52B	Z	.4	.4	0	%100
13	M76	X	-2.778	-2.778	0	%100
14	M76	Z	1.604	1.604	0	%100
15	M77	X	-3.76	-3.76	0	%100
16	M77	Z	2.171	2.171	0	%100
17	M80	X	-3.924	-3.924	0	%100
18	M80	Z	2.266	2.266	0	%100
19	M84	X	-2.778	-2.778	0	%100
20	M84	Z	1.604	1.604	0	%100
21	M85	X	-.94	-.94	0	%100
22	M85	Z	.543	.543	0	%100
23	M91	X	-.981	-.981	0	%100
24	M91	Z	.566	.566	0	%100
25	M100A	X	0	0	0	%100
26	M100A	Z	0	0	0	%100
27	M101A	X	-2.408	-2.408	0	%100
28	M101A	Z	1.39	1.39	0	%100
29	M102A	X	-2.408	-2.408	0	%100
30	M102A	Z	1.39	1.39	0	%100
31	M103A	X	-3.766	-3.766	0	%100
32	M103A	Z	2.174	2.174	0	%100
33	M106A	X	-0.693	-0.693	0	%100
34	M106A	Z	.4	.4	0	%100
35	M107A	X	-0.693	-0.693	0	%100
36	M107A	Z	.4	.4	0	%100
37	M111A	X	0	0	0	%100
38	M111A	Z	0	0	0	%100
39	M112A	X	-.94	-.94	0	%100
40	M112A	Z	.543	.543	0	%100
41	M114A	X	-.981	-.981	0	%100
42	M114A	Z	.566	.566	0	%100
43	M116A	X	0	0	0	%100
44	M116A	Z	0	0	0	%100
45	M117A	X	-.94	-.94	0	%100
46	M117A	Z	.543	.543	0	%100
47	M119A	X	-.981	-.981	0	%100
48	M119A	Z	.566	.566	0	%100
49	M124A	X	-2.217	-2.217	0	%100
50	M124A	Z	1.28	1.28	0	%100
51	M125A	X	-.602	-.602	0	%100
52	M125A	Z	.348	.348	0	%100
53	M126A	X	-.602	-.602	0	%100
54	M126A	Z	.348	.348	0	%100
55	M127A	X	-.941	-.941	0	%100
56	M127A	Z	.544	.544	0	%100
57	M130A	X	-0.693	-0.693	0	%100
58	M130A	Z	.4	.4	0	%100
59	M131A	X	-2.771	-2.771	0	%100
60	M131A	Z	1.6	1.6	0	%100
61	M135A	X	-2.778	-2.778	0	%100
62	M135A	Z	1.604	1.604	0	%100
63	M136A	X	-.94	-.94	0	%100
64	M136A	Z	.543	.543	0	%100
65	M138A	X	-.981	-.981	0	%100
66	M138A	Z	.566	.566	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
67	M140A	X	-2.778	-2.778	0	%100
68	M140A	Z	1.604	1.604	0	%100
69	M141A	X	-3.76	-3.76	0	%100
70	M141A	Z	2.171	2.171	0	%100
71	M143A	X	-3.924	-3.924	0	%100
72	M143A	Z	2.266	2.266	0	%100
73	M148A	X	-.732	-.732	0	%100
74	M148A	Z	.423	.423	0	%100
75	M149A	X	-2.928	-2.928	0	%100
76	M149A	Z	1.691	1.691	0	%100
77	M150A	X	-.732	-.732	0	%100
78	M150A	Z	.423	.423	0	%100
79	MP4A	X	-2.361	-2.361	0	%100
80	MP4A	Z	1.363	1.363	0	%100
81	MP3A	X	-2.613	-2.613	0	%100
82	MP3A	Z	1.509	1.509	0	%100
83	MP2A	X	-2.361	-2.361	0	%100
84	MP2A	Z	1.363	1.363	0	%100
85	MP1A	X	-2.361	-2.361	0	%100
86	MP1A	Z	1.363	1.363	0	%100
87	MP4C	X	-2.361	-2.361	0	%100
88	MP4C	Z	1.363	1.363	0	%100
89	MP3C	X	-2.613	-2.613	0	%100
90	MP3C	Z	1.509	1.509	0	%100
91	MP2C	X	-2.361	-2.361	0	%100
92	MP2C	Z	1.363	1.363	0	%100
93	MP1C	X	-2.361	-2.361	0	%100
94	MP1C	Z	1.363	1.363	0	%100
95	MP4B	X	-2.361	-2.361	0	%100
96	MP4B	Z	1.363	1.363	0	%100
97	MP3B	X	-2.613	-2.613	0	%100
98	MP3B	Z	1.509	1.509	0	%100
99	MP2B	X	-2.361	-2.361	0	%100
100	MP2B	Z	1.363	1.363	0	%100
101	MP1B	X	-2.361	-2.361	0	%100
102	MP1B	Z	1.363	1.363	0	%100
103	M101	X	-1.94	-1.94	0	%100
104	M101	Z	1.12	1.12	0	%100
105	M114	X	-.653	-.653	0	%100
106	M114	Z	.377	.377	0	%100
107	M115	X	-2.613	-2.613	0	%100
108	M115	Z	1.509	1.509	0	%100
109	M116	X	-.653	-.653	0	%100
110	M116	Z	.377	.377	0	%100
111	M119	X	-2.333	-2.333	0	%100
112	M119	Z	1.347	1.347	0	%100
113	M122	X	-.583	-.583	0	%100
114	M122	Z	.337	.337	0	%100
115	M125	X	-.583	-.583	0	%100
116	M125	Z	.337	.337	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	M4	X	-3.414	-3.414	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]	
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-2.4	-2.4	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-2.4	-2.4	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-4.277	-4.277	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-3.256	-3.256	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-3.399	-3.399	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-4.277	-4.277	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-3.256	-3.256	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-3.399	-3.399	0	%100
24	M91	Z	0	0	0	%100
25	M100A	X	-0.853	-0.853	0	%100
26	M100A	Z	0	0	0	%100
27	M101A	X	-2.085	-2.085	0	%100
28	M101A	Z	0	0	0	%100
29	M102A	X	-2.085	-2.085	0	%100
30	M102A	Z	0	0	0	%100
31	M103A	X	-3.261	-3.261	0	%100
32	M103A	Z	0	0	0	%100
33	M106A	X	-2.4	-2.4	0	%100
34	M106A	Z	0	0	0	%100
35	M107A	X	0	0	0	%100
36	M107A	Z	0	0	0	%100
37	M111A	X	-1.069	-1.069	0	%100
38	M111A	Z	0	0	0	%100
39	M112A	X	-3.256	-3.256	0	%100
40	M112A	Z	0	0	0	%100
41	M114A	X	-3.399	-3.399	0	%100
42	M114A	Z	0	0	0	%100
43	M116A	X	-1.069	-1.069	0	%100
44	M116A	Z	0	0	0	%100
45	M117A	X	0	0	0	%100
46	M117A	Z	0	0	0	%100
47	M119A	X	0	0	0	%100
48	M119A	Z	0	0	0	%100
49	M124A	X	-0.853	-0.853	0	%100
50	M124A	Z	0	0	0	%100
51	M125A	X	-2.085	-2.085	0	%100
52	M125A	Z	0	0	0	%100
53	M126A	X	-2.085	-2.085	0	%100
54	M126A	Z	0	0	0	%100
55	M127A	X	-3.261	-3.261	0	%100
56	M127A	Z	0	0	0	%100
57	M130A	X	0	0	0	%100
58	M130A	Z	0	0	0	%100
59	M131A	X	-2.4	-2.4	0	%100
60	M131A	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
61	M135A	X	-1.069	-1.069	0 %100
62	M135A	Z	0	0	0 %100
63	M136A	X	0	0	0 %100
64	M136A	Z	0	0	0 %100
65	M138A	X	0	0	0 %100
66	M138A	Z	0	0	0 %100
67	M140A	X	-1.069	-1.069	0 %100
68	M140A	Z	0	0	0 %100
69	M141A	X	-3.256	-3.256	0 %100
70	M141A	Z	0	0	0 %100
71	M143A	X	-3.399	-3.399	0 %100
72	M143A	Z	0	0	0 %100
73	M148A	X	0	0	0 %100
74	M148A	Z	0	0	0 %100
75	M149A	X	-2.536	-2.536	0 %100
76	M149A	Z	0	0	0 %100
77	M150A	X	-2.536	-2.536	0 %100
78	M150A	Z	0	0	0 %100
79	MP4A	X	-2.726	-2.726	0 %100
80	MP4A	Z	0	0	0 %100
81	MP3A	X	-3.018	-3.018	0 %100
82	MP3A	Z	0	0	0 %100
83	MP2A	X	-2.726	-2.726	0 %100
84	MP2A	Z	0	0	0 %100
85	MP1A	X	-2.726	-2.726	0 %100
86	MP1A	Z	0	0	0 %100
87	MP4C	X	-2.726	-2.726	0 %100
88	MP4C	Z	0	0	0 %100
89	MP3C	X	-3.018	-3.018	0 %100
90	MP3C	Z	0	0	0 %100
91	MP2C	X	-2.726	-2.726	0 %100
92	MP2C	Z	0	0	0 %100
93	MP1C	X	-2.726	-2.726	0 %100
94	MP1C	Z	0	0	0 %100
95	MP4B	X	-2.726	-2.726	0 %100
96	MP4B	Z	0	0	0 %100
97	MP3B	X	-3.018	-3.018	0 %100
98	MP3B	Z	0	0	0 %100
99	MP2B	X	-2.726	-2.726	0 %100
100	MP2B	Z	0	0	0 %100
101	MP1B	X	-2.726	-2.726	0 %100
102	MP1B	Z	0	0	0 %100
103	M101	X	-2.241	-2.241	0 %100
104	M101	Z	0	0	0 %100
105	M114	X	0	0	0 %100
106	M114	Z	0	0	0 %100
107	M115	X	-2.263	-2.263	0 %100
108	M115	Z	0	0	0 %100
109	M116	X	-2.263	-2.263	0 %100
110	M116	Z	0	0	0 %100
111	M119	X	-2.02	-2.02	0 %100
112	M119	Z	0	0	0 %100
113	M122	X	-2.02	-2.02	0 %100
114	M122	Z	0	0	0 %100
115	M125	X	0	0	0 %100
116	M125	Z	0	0	0 %100



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 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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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	M4	X	-2.217	-2.217	0	%100
2	M4	Z	-1.28	-1.28	0	%100
3	M10	X	-.602	-.602	0	%100
4	M10	Z	-.348	-.348	0	%100
5	M43	X	-.602	-.602	0	%100
6	M43	Z	-.348	-.348	0	%100
7	M46	X	-.941	-.941	0	%100
8	M46	Z	-.544	-.544	0	%100
9	M51B	X	-.693	-.693	0	%100
10	M51B	Z	-.4	-.4	0	%100
11	M52B	X	-2.771	-2.771	0	%100
12	M52B	Z	-1.6	-1.6	0	%100
13	M76	X	-2.778	-2.778	0	%100
14	M76	Z	-1.604	-1.604	0	%100
15	M77	X	-.94	-.94	0	%100
16	M77	Z	-.543	-.543	0	%100
17	M80	X	-.981	-.981	0	%100
18	M80	Z	-.566	-.566	0	%100
19	M84	X	-2.778	-2.778	0	%100
20	M84	Z	-1.604	-1.604	0	%100
21	M85	X	-3.76	-3.76	0	%100
22	M85	Z	-2.171	-2.171	0	%100
23	M91	X	-3.924	-3.924	0	%100
24	M91	Z	-2.266	-2.266	0	%100
25	M100A	X	-2.217	-2.217	0	%100
26	M100A	Z	-1.28	-1.28	0	%100
27	M101A	X	-.602	-.602	0	%100
28	M101A	Z	-.348	-.348	0	%100
29	M102A	X	-.602	-.602	0	%100
30	M102A	Z	-.348	-.348	0	%100
31	M103A	X	-.941	-.941	0	%100
32	M103A	Z	-.544	-.544	0	%100
33	M106A	X	-2.771	-2.771	0	%100
34	M106A	Z	-1.6	-1.6	0	%100
35	M107A	X	-.693	-.693	0	%100
36	M107A	Z	-.4	-.4	0	%100
37	M111A	X	-2.778	-2.778	0	%100
38	M111A	Z	-1.604	-1.604	0	%100
39	M112A	X	-3.76	-3.76	0	%100
40	M112A	Z	-2.171	-2.171	0	%100
41	M114A	X	-3.924	-3.924	0	%100
42	M114A	Z	-2.266	-2.266	0	%100
43	M116A	X	-2.778	-2.778	0	%100
44	M116A	Z	-1.604	-1.604	0	%100
45	M117A	X	-.94	-.94	0	%100
46	M117A	Z	-.543	-.543	0	%100
47	M119A	X	-.981	-.981	0	%100
48	M119A	Z	-.566	-.566	0	%100
49	M124A	X	0	0	0	%100
50	M124A	Z	0	0	0	%100
51	M125A	X	-2.408	-2.408	0	%100
52	M125A	Z	-1.39	-1.39	0	%100
53	M126A	X	-2.408	-2.408	0	%100
54	M126A	Z	-1.39	-1.39	0	%100
55	M127A	X	-3.766	-3.766	0	%100
56	M127A	Z	-2.174	-2.174	0	%100
57	M130A	X	-.693	-.693	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
58	M130A	Z	-4	-4	0 %100
59	M131A	X	-693	-693	0 %100
60	M131A	Z	-4	-4	0 %100
61	M135A	X	0	0	0 %100
62	M135A	Z	0	0	0 %100
63	M136A	X	-94	-94	0 %100
64	M136A	Z	-543	-543	0 %100
65	M138A	X	-981	-981	0 %100
66	M138A	Z	-566	-566	0 %100
67	M140A	X	0	0	0 %100
68	M140A	Z	0	0	0 %100
69	M141A	X	-94	-94	0 %100
70	M141A	Z	-543	-543	0 %100
71	M143A	X	-981	-981	0 %100
72	M143A	Z	-566	-566	0 %100
73	M148A	X	-732	-732	0 %100
74	M148A	Z	-423	-423	0 %100
75	M149A	X	-732	-732	0 %100
76	M149A	Z	-423	-423	0 %100
77	M150A	X	-2928	-2928	0 %100
78	M150A	Z	-1691	-1691	0 %100
79	MP4A	X	-2.361	-2.361	0 %100
80	MP4A	Z	-1.363	-1.363	0 %100
81	MP3A	X	-2.613	-2.613	0 %100
82	MP3A	Z	-1.509	-1.509	0 %100
83	MP2A	X	-2.361	-2.361	0 %100
84	MP2A	Z	-1.363	-1.363	0 %100
85	MP1A	X	-2.361	-2.361	0 %100
86	MP1A	Z	-1.363	-1.363	0 %100
87	MP4C	X	-2.361	-2.361	0 %100
88	MP4C	Z	-1.363	-1.363	0 %100
89	MP3C	X	-2.613	-2.613	0 %100
90	MP3C	Z	-1.509	-1.509	0 %100
91	MP2C	X	-2.361	-2.361	0 %100
92	MP2C	Z	-1.363	-1.363	0 %100
93	MP1C	X	-2.361	-2.361	0 %100
94	MP1C	Z	-1.363	-1.363	0 %100
95	MP4B	X	-2.361	-2.361	0 %100
96	MP4B	Z	-1.363	-1.363	0 %100
97	MP3B	X	-2.613	-2.613	0 %100
98	MP3B	Z	-1.509	-1.509	0 %100
99	MP2B	X	-2.361	-2.361	0 %100
100	MP2B	Z	-1.363	-1.363	0 %100
101	MP1B	X	-2.361	-2.361	0 %100
102	MP1B	Z	-1.363	-1.363	0 %100
103	M101	X	-1.94	-1.94	0 %100
104	M101	Z	-1.12	-1.12	0 %100
105	M114	X	-653	-653	0 %100
106	M114	Z	-377	-377	0 %100
107	M115	X	-653	-653	0 %100
108	M115	Z	-377	-377	0 %100
109	M116	X	-2.613	-2.613	0 %100
110	M116	Z	-1.509	-1.509	0 %100
111	M119	X	-583	-583	0 %100
112	M119	Z	-337	-337	0 %100
113	M122	X	-2.333	-2.333	0 %100
114	M122	Z	-1.347	-1.347	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M125	X	-583	-583	0	%100
116	M125	Z	-337	-337	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-427	-427	0	%100
2	M4	Z	-739	-739	0	%100
3	M10	X	-1.043	-1.043	0	%100
4	M10	Z	-1.806	-1.806	0	%100
5	M43	X	-1.043	-1.043	0	%100
6	M43	Z	-1.806	-1.806	0	%100
7	M46	X	-1.631	-1.631	0	%100
8	M46	Z	-2.824	-2.824	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-1.2	-1.2	0	%100
12	M52B	Z	-2.078	-2.078	0	%100
13	M76	X	-.535	-.535	0	%100
14	M76	Z	-.926	-.926	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-.535	-.535	0	%100
20	M84	Z	-.926	-.926	0	%100
21	M85	X	-1.628	-1.628	0	%100
22	M85	Z	-2.82	-2.82	0	%100
23	M91	X	-1.699	-1.699	0	%100
24	M91	Z	-2.943	-2.943	0	%100
25	M100A	X	-1.707	-1.707	0	%100
26	M100A	Z	-2.956	-2.956	0	%100
27	M101A	X	0	0	0	%100
28	M101A	Z	0	0	0	%100
29	M102A	X	0	0	0	%100
30	M102A	Z	0	0	0	%100
31	M103A	X	0	0	0	%100
32	M103A	Z	0	0	0	%100
33	M106A	X	-1.2	-1.2	0	%100
34	M106A	Z	-2.078	-2.078	0	%100
35	M107A	X	-1.2	-1.2	0	%100
36	M107A	Z	-2.078	-2.078	0	%100
37	M111A	X	-2.139	-2.139	0	%100
38	M111A	Z	-3.704	-3.704	0	%100
39	M112A	X	-1.628	-1.628	0	%100
40	M112A	Z	-2.82	-2.82	0	%100
41	M114A	X	-1.699	-1.699	0	%100
42	M114A	Z	-2.943	-2.943	0	%100
43	M116A	X	-2.139	-2.139	0	%100
44	M116A	Z	-3.704	-3.704	0	%100
45	M117A	X	-1.628	-1.628	0	%100
46	M117A	Z	-2.82	-2.82	0	%100
47	M119A	X	-1.699	-1.699	0	%100
48	M119A	Z	-2.943	-2.943	0	%100
49	M124A	X	-.427	-.427	0	%100
50	M124A	Z	-.739	-.739	0	%100
51	M125A	X	-1.043	-1.043	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
52	M125A	Z	-1.806	-1.806	0 %100
53	M126A	X	-1.043	-1.043	0 %100
54	M126A	Z	-1.806	-1.806	0 %100
55	M127A	X	-1.631	-1.631	0 %100
56	M127A	Z	-2.824	-2.824	0 %100
57	M130A	X	-1.2	-1.2	0 %100
58	M130A	Z	-2.078	-2.078	0 %100
59	M131A	X	0	0	0 %100
60	M131A	Z	0	0	0 %100
61	M135A	X	-.535	-.535	0 %100
62	M135A	Z	-.926	-.926	0 %100
63	M136A	X	-1.628	-1.628	0 %100
64	M136A	Z	-2.82	-2.82	0 %100
65	M138A	X	-1.699	-1.699	0 %100
66	M138A	Z	-2.943	-2.943	0 %100
67	M140A	X	-.535	-.535	0 %100
68	M140A	Z	-.926	-.926	0 %100
69	M141A	X	0	0	0 %100
70	M141A	Z	0	0	0 %100
71	M143A	X	0	0	0 %100
72	M143A	Z	0	0	0 %100
73	M148A	X	-1.268	-1.268	0 %100
74	M148A	Z	-2.196	-2.196	0 %100
75	M149A	X	0	0	0 %100
76	M149A	Z	0	0	0 %100
77	M150A	X	-1.268	-1.268	0 %100
78	M150A	Z	-2.196	-2.196	0 %100
79	MP4A	X	-1.363	-1.363	0 %100
80	MP4A	Z	-2.361	-2.361	0 %100
81	MP3A	X	-1.509	-1.509	0 %100
82	MP3A	Z	-2.613	-2.613	0 %100
83	MP2A	X	-1.363	-1.363	0 %100
84	MP2A	Z	-2.361	-2.361	0 %100
85	MP1A	X	-1.363	-1.363	0 %100
86	MP1A	Z	-2.361	-2.361	0 %100
87	MP4C	X	-1.363	-1.363	0 %100
88	MP4C	Z	-2.361	-2.361	0 %100
89	MP3C	X	-1.509	-1.509	0 %100
90	MP3C	Z	-2.613	-2.613	0 %100
91	MP2C	X	-1.363	-1.363	0 %100
92	MP2C	Z	-2.361	-2.361	0 %100
93	MP1C	X	-1.363	-1.363	0 %100
94	MP1C	Z	-2.361	-2.361	0 %100
95	MP4B	X	-1.363	-1.363	0 %100
96	MP4B	Z	-2.361	-2.361	0 %100
97	MP3B	X	-1.509	-1.509	0 %100
98	MP3B	Z	-2.613	-2.613	0 %100
99	MP2B	X	-1.363	-1.363	0 %100
100	MP2B	Z	-2.361	-2.361	0 %100
101	MP1B	X	-1.363	-1.363	0 %100
102	MP1B	Z	-2.361	-2.361	0 %100
103	M101	X	-1.12	-1.12	0 %100
104	M101	Z	-1.94	-1.94	0 %100
105	M114	X	-1.132	-1.132	0 %100
106	M114	Z	-1.96	-1.96	0 %100
107	M115	X	0	0	0 %100
108	M115	Z	0	0	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
109	M116	X	-1.132	-1.132	0	%100
110	M116	Z	-1.96	-1.96	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	0	0	0	%100
113	M122	X	-1.01	-1.01	0	%100
114	M122	Z	-1.75	-1.75	0	%100
115	M125	X	-1.01	-1.01	0	%100
116	M125	Z	-1.75	-1.75	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-.631	-.631	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-.631	-.631	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-1.258	-1.258	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-.175	-.175	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-.175	-.175	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-.32	-.32	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-.337	-.337	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-.32	-.32	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-.337	-.337	0	%100
25	M100A	X	0	0	0	%100
26	M100A	Z	-.559	-.559	0	%100
27	M101A	X	0	0	0	%100
28	M101A	Z	-.158	-.158	0	%100
29	M102A	X	0	0	0	%100
30	M102A	Z	-.158	-.158	0	%100
31	M103A	X	0	0	0	%100
32	M103A	Z	-.314	-.314	0	%100
33	M106A	X	0	0	0	%100
34	M106A	Z	-.175	-.175	0	%100
35	M107A	X	0	0	0	%100
36	M107A	Z	-.698	-.698	0	%100
37	M111A	X	0	0	0	%100
38	M111A	Z	-.943	-.943	0	%100
39	M112A	X	0	0	0	%100
40	M112A	Z	-.32	-.32	0	%100
41	M114A	X	0	0	0	%100
42	M114A	Z	-.337	-.337	0	%100
43	M116A	X	0	0	0	%100
44	M116A	Z	-.943	-.943	0	%100
45	M117A	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
46	M117A	Z	-1.281	-1.281	0 %100
47	M119A	X	0	0	0 %100
48	M119A	Z	-1.349	-1.349	0 %100
49	M124A	X	0	0	0 %100
50	M124A	Z	-.559	-.559	0 %100
51	M125A	X	0	0	0 %100
52	M125A	Z	-.158	-.158	0 %100
53	M126A	X	0	0	0 %100
54	M126A	Z	-.158	-.158	0 %100
55	M127A	X	0	0	0 %100
56	M127A	Z	-.314	-.314	0 %100
57	M130A	X	0	0	0 %100
58	M130A	Z	-.698	-.698	0 %100
59	M131A	X	0	0	0 %100
60	M131A	Z	-.175	-.175	0 %100
61	M135A	X	0	0	0 %100
62	M135A	Z	-.943	-.943	0 %100
63	M136A	X	0	0	0 %100
64	M136A	Z	-1.281	-1.281	0 %100
65	M138A	X	0	0	0 %100
66	M138A	Z	-1.349	-1.349	0 %100
67	M140A	X	0	0	0 %100
68	M140A	Z	-.943	-.943	0 %100
69	M141A	X	0	0	0 %100
70	M141A	Z	-.32	-.32	0 %100
71	M143A	X	0	0	0 %100
72	M143A	Z	-.337	-.337	0 %100
73	M148A	X	0	0	0 %100
74	M148A	Z	-.734	-.734	0 %100
75	M149A	X	0	0	0 %100
76	M149A	Z	-.183	-.183	0 %100
77	M150A	X	0	0	0 %100
78	M150A	Z	-.183	-.183	0 %100
79	MP4A	X	0	0	0 %100
80	MP4A	Z	-.498	-.498	0 %100
81	MP3A	X	0	0	0 %100
82	MP3A	Z	-.603	-.603	0 %100
83	MP2A	X	0	0	0 %100
84	MP2A	Z	-.498	-.498	0 %100
85	MP1A	X	0	0	0 %100
86	MP1A	Z	-.498	-.498	0 %100
87	MP4C	X	0	0	0 %100
88	MP4C	Z	-.498	-.498	0 %100
89	MP3C	X	0	0	0 %100
90	MP3C	Z	-.603	-.603	0 %100
91	MP2C	X	0	0	0 %100
92	MP2C	Z	-.498	-.498	0 %100
93	MP1C	X	0	0	0 %100
94	MP1C	Z	-.498	-.498	0 %100
95	MP4B	X	0	0	0 %100
96	MP4B	Z	-.498	-.498	0 %100
97	MP3B	X	0	0	0 %100
98	MP3B	Z	-.603	-.603	0 %100
99	MP2B	X	0	0	0 %100
100	MP2B	Z	-.498	-.498	0 %100
101	MP1B	X	0	0	0 %100
102	MP1B	Z	-.498	-.498	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
103	M101	X	0	0	0	%100
104	M101	Z	-.407	-.407	0	%100
105	M114	X	0	0	0	%100
106	M114	Z	-.603	-.603	0	%100
107	M115	X	0	0	0	%100
108	M115	Z	-.151	-.151	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	-.151	-.151	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	-.166	-.166	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	-.166	-.166	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-.664	-.664	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	M4	X	.093	.093	0	%100
2	M4	Z	-.161	-.161	0	%100
3	M10	X	.236	.236	0	%100
4	M10	Z	-.41	-.41	0	%100
5	M43	X	.236	.236	0	%100
6	M43	Z	-.41	-.41	0	%100
7	M46	X	.472	.472	0	%100
8	M46	Z	-.817	-.817	0	%100
9	M51B	X	.262	.262	0	%100
10	M51B	Z	-.454	-.454	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.157	.157	0	%100
14	M76	Z	-.272	-.272	0	%100
15	M77	X	.48	.48	0	%100
16	M77	Z	-.832	-.832	0	%100
17	M80	X	.506	.506	0	%100
18	M80	Z	-.876	-.876	0	%100
19	M84	X	.157	.157	0	%100
20	M84	Z	-.272	-.272	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M100A	X	.093	.093	0	%100
26	M100A	Z	-.161	-.161	0	%100
27	M101A	X	.236	.236	0	%100
28	M101A	Z	-.41	-.41	0	%100
29	M102A	X	.236	.236	0	%100
30	M102A	Z	-.41	-.41	0	%100
31	M103A	X	.472	.472	0	%100
32	M103A	Z	-.817	-.817	0	%100
33	M106A	X	0	0	0	%100
34	M106A	Z	0	0	0	%100
35	M107A	X	.262	.262	0	%100
36	M107A	Z	-.454	-.454	0	%100
37	M111A	X	.157	.157	0	%100
38	M111A	Z	-.272	-.272	0	%100
39	M112A	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
40	M112A	Z	0	0	0	%100
41	M114A	X	0	0	0	%100
42	M114A	Z	0	0	0	%100
43	M116A	X	.157	.157	0	%100
44	M116A	Z	-.272	-.272	0	%100
45	M117A	X	.48	.48	0	%100
46	M117A	Z	-.832	-.832	0	%100
47	M119A	X	.506	.506	0	%100
48	M119A	Z	-.876	-.876	0	%100
49	M124A	X	.373	.373	0	%100
50	M124A	Z	-.645	-.645	0	%100
51	M125A	X	0	0	0	%100
52	M125A	Z	0	0	0	%100
53	M126A	X	0	0	0	%100
54	M126A	Z	0	0	0	%100
55	M127A	X	0	0	0	%100
56	M127A	Z	0	0	0	%100
57	M130A	X	.262	.262	0	%100
58	M130A	Z	-.454	-.454	0	%100
59	M131A	X	.262	.262	0	%100
60	M131A	Z	-.454	-.454	0	%100
61	M135A	X	.629	.629	0	%100
62	M135A	Z	-1.089	-1.089	0	%100
63	M136A	X	.48	.48	0	%100
64	M136A	Z	-.832	-.832	0	%100
65	M138A	X	.506	.506	0	%100
66	M138A	Z	-.876	-.876	0	%100
67	M140A	X	.629	.629	0	%100
68	M140A	Z	-1.089	-1.089	0	%100
69	M141A	X	.48	.48	0	%100
70	M141A	Z	-.832	-.832	0	%100
71	M143A	X	.506	.506	0	%100
72	M143A	Z	-.876	-.876	0	%100
73	M148A	X	.275	.275	0	%100
74	M148A	Z	-.477	-.477	0	%100
75	M149A	X	.275	.275	0	%100
76	M149A	Z	-.477	-.477	0	%100
77	M150A	X	0	0	0	%100
78	M150A	Z	0	0	0	%100
79	MP4A	X	.249	.249	0	%100
80	MP4A	Z	-.431	-.431	0	%100
81	MP3A	X	.301	.301	0	%100
82	MP3A	Z	-.522	-.522	0	%100
83	MP2A	X	.249	.249	0	%100
84	MP2A	Z	-.431	-.431	0	%100
85	MP1A	X	.249	.249	0	%100
86	MP1A	Z	-.431	-.431	0	%100
87	MP4C	X	.249	.249	0	%100
88	MP4C	Z	-.431	-.431	0	%100
89	MP3C	X	.301	.301	0	%100
90	MP3C	Z	-.522	-.522	0	%100
91	MP2C	X	.249	.249	0	%100
92	MP2C	Z	-.431	-.431	0	%100
93	MP1C	X	.249	.249	0	%100
94	MP1C	Z	-.431	-.431	0	%100
95	MP4B	X	.249	.249	0	%100
96	MP4B	Z	-.431	-.431	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
97	MP3B	X	.301	.301	0	%100
98	MP3B	Z	-.522	-.522	0	%100
99	MP2B	X	.249	.249	0	%100
100	MP2B	Z	-.431	-.431	0	%100
101	MP1B	X	.249	.249	0	%100
102	MP1B	Z	-.431	-.431	0	%100
103	M101	X	.204	.204	0	%100
104	M101	Z	-.353	-.353	0	%100
105	M114	X	.226	.226	0	%100
106	M114	Z	-.391	-.391	0	%100
107	M115	X	.226	.226	0	%100
108	M115	Z	-.391	-.391	0	%100
109	M116	X	0	0	0	%100
110	M116	Z	0	0	0	%100
111	M119	X	.249	.249	0	%100
112	M119	Z	-.431	-.431	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	.249	.249	0	%100
116	M125	Z	-.431	-.431	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	M4	X	.484	.484	0	%100
2	M4	Z	-.279	-.279	0	%100
3	M10	X	.137	.137	0	%100
4	M10	Z	-.079	-.079	0	%100
5	M43	X	.137	.137	0	%100
6	M43	Z	-.079	-.079	0	%100
7	M46	X	.272	.272	0	%100
8	M46	Z	-.157	-.157	0	%100
9	M51B	X	.605	.605	0	%100
10	M51B	Z	-.349	-.349	0	%100
11	M52B	X	.151	.151	0	%100
12	M52B	Z	-.087	-.087	0	%100
13	M76	X	.817	.817	0	%100
14	M76	Z	-.472	-.472	0	%100
15	M77	X	1.109	1.109	0	%100
16	M77	Z	-.64	-.64	0	%100
17	M80	X	1.168	1.168	0	%100
18	M80	Z	-.675	-.675	0	%100
19	M84	X	.817	.817	0	%100
20	M84	Z	-.472	-.472	0	%100
21	M85	X	.277	.277	0	%100
22	M85	Z	-.16	-.16	0	%100
23	M91	X	.292	.292	0	%100
24	M91	Z	-.169	-.169	0	%100
25	M100A	X	0	0	0	%100
26	M100A	Z	0	0	0	%100
27	M101A	X	.546	.546	0	%100
28	M101A	Z	-.315	-.315	0	%100
29	M102A	X	.546	.546	0	%100
30	M102A	Z	-.315	-.315	0	%100
31	M103A	X	1.089	1.089	0	%100
32	M103A	Z	-.629	-.629	0	%100
33	M106A	X	.151	.151	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
34	M106A	Z	-.087	-.087	0 %100
35	M107A	X	.151	.151	0 %100
36	M107A	Z	-.087	-.087	0 %100
37	M111A	X	0	0	0 %100
38	M111A	Z	0	0	0 %100
39	M112A	X	.277	.277	0 %100
40	M112A	Z	-.16	-.16	0 %100
41	M114A	X	.292	.292	0 %100
42	M114A	Z	-.169	-.169	0 %100
43	M116A	X	0	0	0 %100
44	M116A	Z	0	0	0 %100
45	M117A	X	.277	.277	0 %100
46	M117A	Z	-.16	-.16	0 %100
47	M119A	X	.292	.292	0 %100
48	M119A	Z	-.169	-.169	0 %100
49	M124A	X	.484	.484	0 %100
50	M124A	Z	-.279	-.279	0 %100
51	M125A	X	.137	.137	0 %100
52	M125A	Z	-.079	-.079	0 %100
53	M126A	X	.137	.137	0 %100
54	M126A	Z	-.079	-.079	0 %100
55	M127A	X	.272	.272	0 %100
56	M127A	Z	-.157	-.157	0 %100
57	M130A	X	.151	.151	0 %100
58	M130A	Z	-.087	-.087	0 %100
59	M131A	X	.605	.605	0 %100
60	M131A	Z	-.349	-.349	0 %100
61	M135A	X	.817	.817	0 %100
62	M135A	Z	-.472	-.472	0 %100
63	M136A	X	.277	.277	0 %100
64	M136A	Z	-.16	-.16	0 %100
65	M138A	X	.292	.292	0 %100
66	M138A	Z	-.169	-.169	0 %100
67	M140A	X	.817	.817	0 %100
68	M140A	Z	-.472	-.472	0 %100
69	M141A	X	1.109	1.109	0 %100
70	M141A	Z	-.64	-.64	0 %100
71	M143A	X	1.168	1.168	0 %100
72	M143A	Z	-.675	-.675	0 %100
73	M148A	X	.159	.159	0 %100
74	M148A	Z	-.092	-.092	0 %100
75	M149A	X	.635	.635	0 %100
76	M149A	Z	-.367	-.367	0 %100
77	M150A	X	.159	.159	0 %100
78	M150A	Z	-.092	-.092	0 %100
79	MP4A	X	.431	.431	0 %100
80	MP4A	Z	-.249	-.249	0 %100
81	MP3A	X	.522	.522	0 %100
82	MP3A	Z	-.301	-.301	0 %100
83	MP2A	X	.431	.431	0 %100
84	MP2A	Z	-.249	-.249	0 %100
85	MP1A	X	.431	.431	0 %100
86	MP1A	Z	-.249	-.249	0 %100
87	MP4C	X	.431	.431	0 %100
88	MP4C	Z	-.249	-.249	0 %100
89	MP3C	X	.522	.522	0 %100
90	MP3C	Z	-.301	-.301	0 %100



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	MP2C	X	.431	.431	0	%100
92	MP2C	Z	-.249	-.249	0	%100
93	MP1C	X	.431	.431	0	%100
94	MP1C	Z	-.249	-.249	0	%100
95	MP4B	X	.431	.431	0	%100
96	MP4B	Z	-.249	-.249	0	%100
97	MP3B	X	.522	.522	0	%100
98	MP3B	Z	-.301	-.301	0	%100
99	MP2B	X	.431	.431	0	%100
100	MP2B	Z	-.249	-.249	0	%100
101	MP1B	X	.431	.431	0	%100
102	MP1B	Z	-.249	-.249	0	%100
103	M101	X	.353	.353	0	%100
104	M101	Z	-.204	-.204	0	%100
105	M114	X	.13	.13	0	%100
106	M114	Z	-.075	-.075	0	%100
107	M115	X	.522	.522	0	%100
108	M115	Z	-.301	-.301	0	%100
109	M116	X	.13	.13	0	%100
110	M116	Z	-.075	-.075	0	%100
111	M119	X	.575	.575	0	%100
112	M119	Z	-.332	-.332	0	%100
113	M122	X	.144	.144	0	%100
114	M122	Z	-.083	-.083	0	%100
115	M125	X	.144	.144	0	%100
116	M125	Z	-.083	-.083	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	M4	X	.745	.745	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	.524	.524	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.524	.524	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	1.258	1.258	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	.961	.961	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	1.012	1.012	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	1.258	1.258	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	.961	.961	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	1.012	1.012	0	%100
24	M91	Z	0	0	0	%100
25	M100A	X	.186	.186	0	%100
26	M100A	Z	0	0	0	%100
27	M101A	X	.473	.473	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
28	M101A	Z	0	0	0	%100
29	M102A	X	.473	.473	0	%100
30	M102A	Z	0	0	0	%100
31	M103A	X	.943	.943	0	%100
32	M103A	Z	0	0	0	%100
33	M106A	X	.524	.524	0	%100
34	M106A	Z	0	0	0	%100
35	M107A	X	0	0	0	%100
36	M107A	Z	0	0	0	%100
37	M111A	X	.314	.314	0	%100
38	M111A	Z	0	0	0	%100
39	M112A	X	.961	.961	0	%100
40	M112A	Z	0	0	0	%100
41	M114A	X	1.012	1.012	0	%100
42	M114A	Z	0	0	0	%100
43	M116A	X	.314	.314	0	%100
44	M116A	Z	0	0	0	%100
45	M117A	X	0	0	0	%100
46	M117A	Z	0	0	0	%100
47	M119A	X	0	0	0	%100
48	M119A	Z	0	0	0	%100
49	M124A	X	.186	.186	0	%100
50	M124A	Z	0	0	0	%100
51	M125A	X	.473	.473	0	%100
52	M125A	Z	0	0	0	%100
53	M126A	X	.473	.473	0	%100
54	M126A	Z	0	0	0	%100
55	M127A	X	.943	.943	0	%100
56	M127A	Z	0	0	0	%100
57	M130A	X	0	0	0	%100
58	M130A	Z	0	0	0	%100
59	M131A	X	.524	.524	0	%100
60	M131A	Z	0	0	0	%100
61	M135A	X	.314	.314	0	%100
62	M135A	Z	0	0	0	%100
63	M136A	X	0	0	0	%100
64	M136A	Z	0	0	0	%100
65	M138A	X	0	0	0	%100
66	M138A	Z	0	0	0	%100
67	M140A	X	.314	.314	0	%100
68	M140A	Z	0	0	0	%100
69	M141A	X	.961	.961	0	%100
70	M141A	Z	0	0	0	%100
71	M143A	X	1.012	1.012	0	%100
72	M143A	Z	0	0	0	%100
73	M148A	X	0	0	0	%100
74	M148A	Z	0	0	0	%100
75	M149A	X	.55	.55	0	%100
76	M149A	Z	0	0	0	%100
77	M150A	X	.55	.55	0	%100
78	M150A	Z	0	0	0	%100
79	MP4A	X	.498	.498	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	.603	.603	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	.498	.498	0	%100
84	MP2A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
85	MP1A	X	.498	.498	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	.498	.498	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	.603	.603	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	.498	.498	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	.498	.498	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	.498	.498	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	.603	.603	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	.498	.498	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	.498	.498	0	%100
102	MP1B	Z	0	0	0	%100
103	M101	X	.407	.407	0	%100
104	M101	Z	0	0	0	%100
105	M114	X	0	0	0	%100
106	M114	Z	0	0	0	%100
107	M115	X	.452	.452	0	%100
108	M115	Z	0	0	0	%100
109	M116	X	.452	.452	0	%100
110	M116	Z	0	0	0	%100
111	M119	X	.498	.498	0	%100
112	M119	Z	0	0	0	%100
113	M122	X	.498	.498	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	.484	.484	0	%100
2	M4	Z	.279	.279	0	%100
3	M10	X	.137	.137	0	%100
4	M10	Z	.079	.079	0	%100
5	M43	X	.137	.137	0	%100
6	M43	Z	.079	.079	0	%100
7	M46	X	.272	.272	0	%100
8	M46	Z	.157	.157	0	%100
9	M51B	X	.151	.151	0	%100
10	M51B	Z	.087	.087	0	%100
11	M52B	X	.605	.605	0	%100
12	M52B	Z	.349	.349	0	%100
13	M76	X	.817	.817	0	%100
14	M76	Z	.472	.472	0	%100
15	M77	X	.277	.277	0	%100
16	M77	Z	.16	.16	0	%100
17	M80	X	.292	.292	0	%100
18	M80	Z	.169	.169	0	%100
19	M84	X	.817	.817	0	%100
20	M84	Z	.472	.472	0	%100
21	M85	X	1.109	1.109	0	%100



Company : Maser Consulting
 Designer : AJH
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Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
22	M85	Z	.64	.64	0 %100
23	M91	X	1.168	1.168	0 %100
24	M91	Z	.675	.675	0 %100
25	M100A	X	.484	.484	0 %100
26	M100A	Z	.279	.279	0 %100
27	M101A	X	.137	.137	0 %100
28	M101A	Z	.079	.079	0 %100
29	M102A	X	.137	.137	0 %100
30	M102A	Z	.079	.079	0 %100
31	M103A	X	.272	.272	0 %100
32	M103A	Z	.157	.157	0 %100
33	M106A	X	.605	.605	0 %100
34	M106A	Z	.349	.349	0 %100
35	M107A	X	.151	.151	0 %100
36	M107A	Z	.087	.087	0 %100
37	M111A	X	.817	.817	0 %100
38	M111A	Z	.472	.472	0 %100
39	M112A	X	1.109	1.109	0 %100
40	M112A	Z	.64	.64	0 %100
41	M114A	X	1.168	1.168	0 %100
42	M114A	Z	.675	.675	0 %100
43	M116A	X	.817	.817	0 %100
44	M116A	Z	.472	.472	0 %100
45	M117A	X	.277	.277	0 %100
46	M117A	Z	.16	.16	0 %100
47	M119A	X	.292	.292	0 %100
48	M119A	Z	.169	.169	0 %100
49	M124A	X	0	0	0 %100
50	M124A	Z	0	0	0 %100
51	M125A	X	.546	.546	0 %100
52	M125A	Z	.315	.315	0 %100
53	M126A	X	.546	.546	0 %100
54	M126A	Z	.315	.315	0 %100
55	M127A	X	1.089	1.089	0 %100
56	M127A	Z	.629	.629	0 %100
57	M130A	X	.151	.151	0 %100
58	M130A	Z	.087	.087	0 %100
59	M131A	X	.151	.151	0 %100
60	M131A	Z	.087	.087	0 %100
61	M135A	X	0	0	0 %100
62	M135A	Z	0	0	0 %100
63	M136A	X	.277	.277	0 %100
64	M136A	Z	.16	.16	0 %100
65	M138A	X	.292	.292	0 %100
66	M138A	Z	.169	.169	0 %100
67	M140A	X	0	0	0 %100
68	M140A	Z	0	0	0 %100
69	M141A	X	.277	.277	0 %100
70	M141A	Z	.16	.16	0 %100
71	M143A	X	.292	.292	0 %100
72	M143A	Z	.169	.169	0 %100
73	M148A	X	.159	.159	0 %100
74	M148A	Z	.092	.092	0 %100
75	M149A	X	.159	.159	0 %100
76	M149A	Z	.092	.092	0 %100
77	M150A	X	.635	.635	0 %100
78	M150A	Z	.367	.367	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
79	MP4A	X	.431	.431	0	%100
80	MP4A	Z	.249	.249	0	%100
81	MP3A	X	.522	.522	0	%100
82	MP3A	Z	.301	.301	0	%100
83	MP2A	X	.431	.431	0	%100
84	MP2A	Z	.249	.249	0	%100
85	MP1A	X	.431	.431	0	%100
86	MP1A	Z	.249	.249	0	%100
87	MP4C	X	.431	.431	0	%100
88	MP4C	Z	.249	.249	0	%100
89	MP3C	X	.522	.522	0	%100
90	MP3C	Z	.301	.301	0	%100
91	MP2C	X	.431	.431	0	%100
92	MP2C	Z	.249	.249	0	%100
93	MP1C	X	.431	.431	0	%100
94	MP1C	Z	.249	.249	0	%100
95	MP4B	X	.431	.431	0	%100
96	MP4B	Z	.249	.249	0	%100
97	MP3B	X	.522	.522	0	%100
98	MP3B	Z	.301	.301	0	%100
99	MP2B	X	.431	.431	0	%100
100	MP2B	Z	.249	.249	0	%100
101	MP1B	X	.431	.431	0	%100
102	MP1B	Z	.249	.249	0	%100
103	M101	X	.353	.353	0	%100
104	M101	Z	.204	.204	0	%100
105	M114	X	.13	.13	0	%100
106	M114	Z	.075	.075	0	%100
107	M115	X	.13	.13	0	%100
108	M115	Z	.075	.075	0	%100
109	M116	X	.522	.522	0	%100
110	M116	Z	.301	.301	0	%100
111	M119	X	.144	.144	0	%100
112	M119	Z	.083	.083	0	%100
113	M122	X	.575	.575	0	%100
114	M122	Z	.332	.332	0	%100
115	M125	X	.144	.144	0	%100
116	M125	Z	.083	.083	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	M4	X	.093	.093	0	%100
2	M4	Z	.161	.161	0	%100
3	M10	X	.236	.236	0	%100
4	M10	Z	.41	.41	0	%100
5	M43	X	.236	.236	0	%100
6	M43	Z	.41	.41	0	%100
7	M46	X	.472	.472	0	%100
8	M46	Z	.817	.817	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.262	.262	0	%100
12	M52B	Z	.454	.454	0	%100
13	M76	X	.157	.157	0	%100
14	M76	Z	.272	.272	0	%100
15	M77	X	0	0	0	%100



Company : Maser Consulting
 Designer : AJH
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Member Distributed Loads (BLC 70 : Structure Wm (150 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	.157	.157	0	%100
20	M84	Z	.272	.272	0	%100
21	M85	X	.48	.48	0	%100
22	M85	Z	.832	.832	0	%100
23	M91	X	.506	.506	0	%100
24	M91	Z	.876	.876	0	%100
25	M100A	X	.373	.373	0	%100
26	M100A	Z	.645	.645	0	%100
27	M101A	X	0	0	0	%100
28	M101A	Z	0	0	0	%100
29	M102A	X	0	0	0	%100
30	M102A	Z	0	0	0	%100
31	M103A	X	0	0	0	%100
32	M103A	Z	0	0	0	%100
33	M106A	X	.262	.262	0	%100
34	M106A	Z	.454	.454	0	%100
35	M107A	X	.262	.262	0	%100
36	M107A	Z	.454	.454	0	%100
37	M111A	X	.629	.629	0	%100
38	M111A	Z	1.089	1.089	0	%100
39	M112A	X	.48	.48	0	%100
40	M112A	Z	.832	.832	0	%100
41	M114A	X	.506	.506	0	%100
42	M114A	Z	.876	.876	0	%100
43	M116A	X	.629	.629	0	%100
44	M116A	Z	1.089	1.089	0	%100
45	M117A	X	.48	.48	0	%100
46	M117A	Z	.832	.832	0	%100
47	M119A	X	.506	.506	0	%100
48	M119A	Z	.876	.876	0	%100
49	M124A	X	.093	.093	0	%100
50	M124A	Z	.161	.161	0	%100
51	M125A	X	.236	.236	0	%100
52	M125A	Z	.41	.41	0	%100
53	M126A	X	.236	.236	0	%100
54	M126A	Z	.41	.41	0	%100
55	M127A	X	.472	.472	0	%100
56	M127A	Z	.817	.817	0	%100
57	M130A	X	.262	.262	0	%100
58	M130A	Z	.454	.454	0	%100
59	M131A	X	0	0	0	%100
60	M131A	Z	0	0	0	%100
61	M135A	X	.157	.157	0	%100
62	M135A	Z	.272	.272	0	%100
63	M136A	X	.48	.48	0	%100
64	M136A	Z	.832	.832	0	%100
65	M138A	X	.506	.506	0	%100
66	M138A	Z	.876	.876	0	%100
67	M140A	X	.157	.157	0	%100
68	M140A	Z	.272	.272	0	%100
69	M141A	X	0	0	0	%100
70	M141A	Z	0	0	0	%100
71	M143A	X	0	0	0	%100
72	M143A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
73	M148A	X	.275	.275	0	%100
74	M148A	Z	.477	.477	0	%100
75	M149A	X	0	0	0	%100
76	M149A	Z	0	0	0	%100
77	M150A	X	.275	.275	0	%100
78	M150A	Z	.477	.477	0	%100
79	MP4A	X	.249	.249	0	%100
80	MP4A	Z	.431	.431	0	%100
81	MP3A	X	.301	.301	0	%100
82	MP3A	Z	.522	.522	0	%100
83	MP2A	X	.249	.249	0	%100
84	MP2A	Z	.431	.431	0	%100
85	MP1A	X	.249	.249	0	%100
86	MP1A	Z	.431	.431	0	%100
87	MP4C	X	.249	.249	0	%100
88	MP4C	Z	.431	.431	0	%100
89	MP3C	X	.301	.301	0	%100
90	MP3C	Z	.522	.522	0	%100
91	MP2C	X	.249	.249	0	%100
92	MP2C	Z	.431	.431	0	%100
93	MP1C	X	.249	.249	0	%100
94	MP1C	Z	.431	.431	0	%100
95	MP4B	X	.249	.249	0	%100
96	MP4B	Z	.431	.431	0	%100
97	MP3B	X	.301	.301	0	%100
98	MP3B	Z	.522	.522	0	%100
99	MP2B	X	.249	.249	0	%100
100	MP2B	Z	.431	.431	0	%100
101	MP1B	X	.249	.249	0	%100
102	MP1B	Z	.431	.431	0	%100
103	M101	X	.204	.204	0	%100
104	M101	Z	.353	.353	0	%100
105	M114	X	.226	.226	0	%100
106	M114	Z	.391	.391	0	%100
107	M115	X	0	0	0	%100
108	M115	Z	0	0	0	%100
109	M116	X	.226	.226	0	%100
110	M116	Z	.391	.391	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	0	0	0	%100
113	M122	X	.249	.249	0	%100
114	M122	Z	.431	.431	0	%100
115	M125	X	.249	.249	0	%100
116	M125	Z	.431	.431	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	.631	.631	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	.631	.631	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	1.258	1.258	0	%100
9	M51B	X	0	0	0	%100



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
10	M51B	Z	.175	.175	0 %100
11	M52B	X	0	0	0 %100
12	M52B	Z	.175	.175	0 %100
13	M76	X	0	0	0 %100
14	M76	Z	0	0	0 %100
15	M77	X	0	0	0 %100
16	M77	Z	.32	.32	0 %100
17	M80	X	0	0	0 %100
18	M80	Z	.337	.337	0 %100
19	M84	X	0	0	0 %100
20	M84	Z	0	0	0 %100
21	M85	X	0	0	0 %100
22	M85	Z	.32	.32	0 %100
23	M91	X	0	0	0 %100
24	M91	Z	.337	.337	0 %100
25	M100A	X	0	0	0 %100
26	M100A	Z	.559	.559	0 %100
27	M101A	X	0	0	0 %100
28	M101A	Z	.158	.158	0 %100
29	M102A	X	0	0	0 %100
30	M102A	Z	.158	.158	0 %100
31	M103A	X	0	0	0 %100
32	M103A	Z	.314	.314	0 %100
33	M106A	X	0	0	0 %100
34	M106A	Z	.175	.175	0 %100
35	M107A	X	0	0	0 %100
36	M107A	Z	.698	.698	0 %100
37	M111A	X	0	0	0 %100
38	M111A	Z	.943	.943	0 %100
39	M112A	X	0	0	0 %100
40	M112A	Z	.32	.32	0 %100
41	M114A	X	0	0	0 %100
42	M114A	Z	.337	.337	0 %100
43	M116A	X	0	0	0 %100
44	M116A	Z	.943	.943	0 %100
45	M117A	X	0	0	0 %100
46	M117A	Z	1.281	1.281	0 %100
47	M119A	X	0	0	0 %100
48	M119A	Z	1.349	1.349	0 %100
49	M124A	X	0	0	0 %100
50	M124A	Z	.559	.559	0 %100
51	M125A	X	0	0	0 %100
52	M125A	Z	.158	.158	0 %100
53	M126A	X	0	0	0 %100
54	M126A	Z	.158	.158	0 %100
55	M127A	X	0	0	0 %100
56	M127A	Z	.314	.314	0 %100
57	M130A	X	0	0	0 %100
58	M130A	Z	.698	.698	0 %100
59	M131A	X	0	0	0 %100
60	M131A	Z	.175	.175	0 %100
61	M135A	X	0	0	0 %100
62	M135A	Z	.943	.943	0 %100
63	M136A	X	0	0	0 %100
64	M136A	Z	1.281	1.281	0 %100
65	M138A	X	0	0	0 %100
66	M138A	Z	1.349	1.349	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
67	M140A	X	0	0	%100
68	M140A	Z	.943	.943	%100
69	M141A	X	0	0	%100
70	M141A	Z	.32	.32	%100
71	M143A	X	0	0	%100
72	M143A	Z	.337	.337	%100
73	M148A	X	0	0	%100
74	M148A	Z	.734	.734	%100
75	M149A	X	0	0	%100
76	M149A	Z	.183	.183	%100
77	M150A	X	0	0	%100
78	M150A	Z	.183	.183	%100
79	MP4A	X	0	0	%100
80	MP4A	Z	.498	.498	%100
81	MP3A	X	0	0	%100
82	MP3A	Z	.603	.603	%100
83	MP2A	X	0	0	%100
84	MP2A	Z	.498	.498	%100
85	MP1A	X	0	0	%100
86	MP1A	Z	.498	.498	%100
87	MP4C	X	0	0	%100
88	MP4C	Z	.498	.498	%100
89	MP3C	X	0	0	%100
90	MP3C	Z	.603	.603	%100
91	MP2C	X	0	0	%100
92	MP2C	Z	.498	.498	%100
93	MP1C	X	0	0	%100
94	MP1C	Z	.498	.498	%100
95	MP4B	X	0	0	%100
96	MP4B	Z	.498	.498	%100
97	MP3B	X	0	0	%100
98	MP3B	Z	.603	.603	%100
99	MP2B	X	0	0	%100
100	MP2B	Z	.498	.498	%100
101	MP1B	X	0	0	%100
102	MP1B	Z	.498	.498	%100
103	M101	X	0	0	%100
104	M101	Z	.407	.407	%100
105	M114	X	0	0	%100
106	M114	Z	.603	.603	%100
107	M115	X	0	0	%100
108	M115	Z	.151	.151	%100
109	M116	X	0	0	%100
110	M116	Z	.151	.151	%100
111	M119	X	0	0	%100
112	M119	Z	.166	.166	%100
113	M122	X	0	0	%100
114	M122	Z	.166	.166	%100
115	M125	X	0	0	%100
116	M125	Z	.664	.664	%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	M4	X	-.093	-.093	%100
2	M4	Z	.161	.161	%100
3	M10	X	-.236	-.236	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
4	M10	Z	.41	.41	0 %100
5	M43	X	-.236	-.236	0 %100
6	M43	Z	.41	.41	0 %100
7	M46	X	-.472	-.472	0 %100
8	M46	Z	.817	.817	0 %100
9	M51B	X	-.262	-.262	0 %100
10	M51B	Z	.454	.454	0 %100
11	M52B	X	0	0	0 %100
12	M52B	Z	0	0	0 %100
13	M76	X	-.157	-.157	0 %100
14	M76	Z	.272	.272	0 %100
15	M77	X	-.48	-.48	0 %100
16	M77	Z	.832	.832	0 %100
17	M80	X	-.506	-.506	0 %100
18	M80	Z	.876	.876	0 %100
19	M84	X	-.157	-.157	0 %100
20	M84	Z	.272	.272	0 %100
21	M85	X	0	0	0 %100
22	M85	Z	0	0	0 %100
23	M91	X	0	0	0 %100
24	M91	Z	0	0	0 %100
25	M100A	X	-.093	-.093	0 %100
26	M100A	Z	.161	.161	0 %100
27	M101A	X	-.236	-.236	0 %100
28	M101A	Z	.41	.41	0 %100
29	M102A	X	-.236	-.236	0 %100
30	M102A	Z	.41	.41	0 %100
31	M103A	X	-.472	-.472	0 %100
32	M103A	Z	.817	.817	0 %100
33	M106A	X	0	0	0 %100
34	M106A	Z	0	0	0 %100
35	M107A	X	-.262	-.262	0 %100
36	M107A	Z	.454	.454	0 %100
37	M111A	X	-.157	-.157	0 %100
38	M111A	Z	.272	.272	0 %100
39	M112A	X	0	0	0 %100
40	M112A	Z	0	0	0 %100
41	M114A	X	0	0	0 %100
42	M114A	Z	0	0	0 %100
43	M116A	X	-.157	-.157	0 %100
44	M116A	Z	.272	.272	0 %100
45	M117A	X	-.48	-.48	0 %100
46	M117A	Z	.832	.832	0 %100
47	M119A	X	-.506	-.506	0 %100
48	M119A	Z	.876	.876	0 %100
49	M124A	X	-.373	-.373	0 %100
50	M124A	Z	.645	.645	0 %100
51	M125A	X	0	0	0 %100
52	M125A	Z	0	0	0 %100
53	M126A	X	0	0	0 %100
54	M126A	Z	0	0	0 %100
55	M127A	X	0	0	0 %100
56	M127A	Z	0	0	0 %100
57	M130A	X	-.262	-.262	0 %100
58	M130A	Z	.454	.454	0 %100
59	M131A	X	-.262	-.262	0 %100
60	M131A	Z	.454	.454	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
61	M135A	X	-.629	-.629	0 %100
62	M135A	Z	1.089	1.089	0 %100
63	M136A	X	-.48	-.48	0 %100
64	M136A	Z	.832	.832	0 %100
65	M138A	X	-.506	-.506	0 %100
66	M138A	Z	.876	.876	0 %100
67	M140A	X	-.629	-.629	0 %100
68	M140A	Z	1.089	1.089	0 %100
69	M141A	X	-.48	-.48	0 %100
70	M141A	Z	.832	.832	0 %100
71	M143A	X	-.506	-.506	0 %100
72	M143A	Z	.876	.876	0 %100
73	M148A	X	-.275	-.275	0 %100
74	M148A	Z	.477	.477	0 %100
75	M149A	X	-.275	-.275	0 %100
76	M149A	Z	.477	.477	0 %100
77	M150A	X	0	0	0 %100
78	M150A	Z	0	0	0 %100
79	MP4A	X	-.249	-.249	0 %100
80	MP4A	Z	.431	.431	0 %100
81	MP3A	X	-.301	-.301	0 %100
82	MP3A	Z	.522	.522	0 %100
83	MP2A	X	-.249	-.249	0 %100
84	MP2A	Z	.431	.431	0 %100
85	MP1A	X	-.249	-.249	0 %100
86	MP1A	Z	.431	.431	0 %100
87	MP4C	X	-.249	-.249	0 %100
88	MP4C	Z	.431	.431	0 %100
89	MP3C	X	-.301	-.301	0 %100
90	MP3C	Z	.522	.522	0 %100
91	MP2C	X	-.249	-.249	0 %100
92	MP2C	Z	.431	.431	0 %100
93	MP1C	X	-.249	-.249	0 %100
94	MP1C	Z	.431	.431	0 %100
95	MP4B	X	-.249	-.249	0 %100
96	MP4B	Z	.431	.431	0 %100
97	MP3B	X	-.301	-.301	0 %100
98	MP3B	Z	.522	.522	0 %100
99	MP2B	X	-.249	-.249	0 %100
100	MP2B	Z	.431	.431	0 %100
101	MP1B	X	-.249	-.249	0 %100
102	MP1B	Z	.431	.431	0 %100
103	M101	X	-.204	-.204	0 %100
104	M101	Z	.353	.353	0 %100
105	M114	X	-.226	-.226	0 %100
106	M114	Z	.391	.391	0 %100
107	M115	X	-.226	-.226	0 %100
108	M115	Z	.391	.391	0 %100
109	M116	X	0	0	0 %100
110	M116	Z	0	0	0 %100
111	M119	X	-.249	-.249	0 %100
112	M119	Z	.431	.431	0 %100
113	M122	X	0	0	0 %100
114	M122	Z	0	0	0 %100
115	M125	X	-.249	-.249	0 %100
116	M125	Z	.431	.431	0 %100



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	- .484	- .484	0 %100
2	M4	Z	.279	.279	0 %100
3	M10	X	- .137	- .137	0 %100
4	M10	Z	.079	.079	0 %100
5	M43	X	- .137	- .137	0 %100
6	M43	Z	.079	.079	0 %100
7	M46	X	- .272	- .272	0 %100
8	M46	Z	.157	.157	0 %100
9	M51B	X	- .605	- .605	0 %100
10	M51B	Z	.349	.349	0 %100
11	M52B	X	- .151	- .151	0 %100
12	M52B	Z	.087	.087	0 %100
13	M76	X	- .817	- .817	0 %100
14	M76	Z	.472	.472	0 %100
15	M77	X	- 1.109	- 1.109	0 %100
16	M77	Z	.64	.64	0 %100
17	M80	X	- 1.168	- 1.168	0 %100
18	M80	Z	.675	.675	0 %100
19	M84	X	- .817	- .817	0 %100
20	M84	Z	.472	.472	0 %100
21	M85	X	- .277	- .277	0 %100
22	M85	Z	.16	.16	0 %100
23	M91	X	- .292	- .292	0 %100
24	M91	Z	.169	.169	0 %100
25	M100A	X	0	0	0 %100
26	M100A	Z	0	0	0 %100
27	M101A	X	- .546	- .546	0 %100
28	M101A	Z	.315	.315	0 %100
29	M102A	X	- .546	- .546	0 %100
30	M102A	Z	.315	.315	0 %100
31	M103A	X	- 1.089	- 1.089	0 %100
32	M103A	Z	.629	.629	0 %100
33	M106A	X	- .151	- .151	0 %100
34	M106A	Z	.087	.087	0 %100
35	M107A	X	- .151	- .151	0 %100
36	M107A	Z	.087	.087	0 %100
37	M111A	X	0	0	0 %100
38	M111A	Z	0	0	0 %100
39	M112A	X	- .277	- .277	0 %100
40	M112A	Z	.16	.16	0 %100
41	M114A	X	- .292	- .292	0 %100
42	M114A	Z	.169	.169	0 %100
43	M116A	X	0	0	0 %100
44	M116A	Z	0	0	0 %100
45	M117A	X	- .277	- .277	0 %100
46	M117A	Z	.16	.16	0 %100
47	M119A	X	- .292	- .292	0 %100
48	M119A	Z	.169	.169	0 %100
49	M124A	X	- .484	- .484	0 %100
50	M124A	Z	.279	.279	0 %100
51	M125A	X	- .137	- .137	0 %100
52	M125A	Z	.079	.079	0 %100
53	M126A	X	- .137	- .137	0 %100
54	M126A	Z	.079	.079	0 %100
55	M127A	X	- .272	- .272	0 %100
56	M127A	Z	.157	.157	0 %100
57	M130A	X	- .151	- .151	0 %100



Company : Maser Consulting
 Designer : AJH
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 Model Name : 467879-VZW_MT_LO_H

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
58	M130A	Z	.087	.087	0 %100
59	M131A	X	-.605	-.605	0 %100
60	M131A	Z	.349	.349	0 %100
61	M135A	X	-.817	-.817	0 %100
62	M135A	Z	.472	.472	0 %100
63	M136A	X	-.277	-.277	0 %100
64	M136A	Z	.16	.16	0 %100
65	M138A	X	-.292	-.292	0 %100
66	M138A	Z	.169	.169	0 %100
67	M140A	X	-.817	-.817	0 %100
68	M140A	Z	.472	.472	0 %100
69	M141A	X	-1.109	-1.109	0 %100
70	M141A	Z	.64	.64	0 %100
71	M143A	X	-1.168	-1.168	0 %100
72	M143A	Z	.675	.675	0 %100
73	M148A	X	-.159	-.159	0 %100
74	M148A	Z	.092	.092	0 %100
75	M149A	X	-.635	-.635	0 %100
76	M149A	Z	.367	.367	0 %100
77	M150A	X	-.159	-.159	0 %100
78	M150A	Z	.092	.092	0 %100
79	MP4A	X	-.431	-.431	0 %100
80	MP4A	Z	.249	.249	0 %100
81	MP3A	X	-.522	-.522	0 %100
82	MP3A	Z	.301	.301	0 %100
83	MP2A	X	-.431	-.431	0 %100
84	MP2A	Z	.249	.249	0 %100
85	MP1A	X	-.431	-.431	0 %100
86	MP1A	Z	.249	.249	0 %100
87	MP4C	X	-.431	-.431	0 %100
88	MP4C	Z	.249	.249	0 %100
89	MP3C	X	-.522	-.522	0 %100
90	MP3C	Z	.301	.301	0 %100
91	MP2C	X	-.431	-.431	0 %100
92	MP2C	Z	.249	.249	0 %100
93	MP1C	X	-.431	-.431	0 %100
94	MP1C	Z	.249	.249	0 %100
95	MP4B	X	-.431	-.431	0 %100
96	MP4B	Z	.249	.249	0 %100
97	MP3B	X	-.522	-.522	0 %100
98	MP3B	Z	.301	.301	0 %100
99	MP2B	X	-.431	-.431	0 %100
100	MP2B	Z	.249	.249	0 %100
101	MP1B	X	-.431	-.431	0 %100
102	MP1B	Z	.249	.249	0 %100
103	M101	X	-.353	-.353	0 %100
104	M101	Z	.204	.204	0 %100
105	M114	X	-.13	-.13	0 %100
106	M114	Z	.075	.075	0 %100
107	M115	X	-.522	-.522	0 %100
108	M115	Z	.301	.301	0 %100
109	M116	X	-.13	-.13	0 %100
110	M116	Z	.075	.075	0 %100
111	M119	X	-.575	-.575	0 %100
112	M119	Z	.332	.332	0 %100
113	M122	X	-.144	-.144	0 %100
114	M122	Z	.083	.083	0 %100



Company : Maser Consulting
 Designer : AJH
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 Model Name : 467879-VZW_MT_LO_H

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M125	X	-.144	-.144	0	%100
116	M125	Z	.083	.083	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-.745	-.745	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-.524	-.524	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.524	-.524	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-1.258	-1.258	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-.961	-.961	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-1.012	-1.012	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-1.258	-1.258	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-.961	-.961	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-1.012	-1.012	0	%100
24	M91	Z	0	0	0	%100
25	M100A	X	-.186	-.186	0	%100
26	M100A	Z	0	0	0	%100
27	M101A	X	-.473	-.473	0	%100
28	M101A	Z	0	0	0	%100
29	M102A	X	-.473	-.473	0	%100
30	M102A	Z	0	0	0	%100
31	M103A	X	-.943	-.943	0	%100
32	M103A	Z	0	0	0	%100
33	M106A	X	-.524	-.524	0	%100
34	M106A	Z	0	0	0	%100
35	M107A	X	0	0	0	%100
36	M107A	Z	0	0	0	%100
37	M111A	X	-.314	-.314	0	%100
38	M111A	Z	0	0	0	%100
39	M112A	X	-.961	-.961	0	%100
40	M112A	Z	0	0	0	%100
41	M114A	X	-1.012	-1.012	0	%100
42	M114A	Z	0	0	0	%100
43	M116A	X	-.314	-.314	0	%100
44	M116A	Z	0	0	0	%100
45	M117A	X	0	0	0	%100
46	M117A	Z	0	0	0	%100
47	M119A	X	0	0	0	%100
48	M119A	Z	0	0	0	%100
49	M124A	X	-.186	-.186	0	%100
50	M124A	Z	0	0	0	%100
51	M125A	X	-.473	-.473	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]	
52	M125A	Z	0	0	0	%100
53	M126A	X	-473	-473	0	%100
54	M126A	Z	0	0	0	%100
55	M127A	X	-943	-943	0	%100
56	M127A	Z	0	0	0	%100
57	M130A	X	0	0	0	%100
58	M130A	Z	0	0	0	%100
59	M131A	X	-524	-524	0	%100
60	M131A	Z	0	0	0	%100
61	M135A	X	-314	-314	0	%100
62	M135A	Z	0	0	0	%100
63	M136A	X	0	0	0	%100
64	M136A	Z	0	0	0	%100
65	M138A	X	0	0	0	%100
66	M138A	Z	0	0	0	%100
67	M140A	X	-314	-314	0	%100
68	M140A	Z	0	0	0	%100
69	M141A	X	-961	-961	0	%100
70	M141A	Z	0	0	0	%100
71	M143A	X	-1.012	-1.012	0	%100
72	M143A	Z	0	0	0	%100
73	M148A	X	0	0	0	%100
74	M148A	Z	0	0	0	%100
75	M149A	X	-55	-55	0	%100
76	M149A	Z	0	0	0	%100
77	M150A	X	-55	-55	0	%100
78	M150A	Z	0	0	0	%100
79	MP4A	X	-498	-498	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	-603	-603	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	-498	-498	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	-498	-498	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	-498	-498	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	-603	-603	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	-498	-498	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-498	-498	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	-498	-498	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	-603	-603	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	-498	-498	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-498	-498	0	%100
102	MP1B	Z	0	0	0	%100
103	M101	X	-407	-407	0	%100
104	M101	Z	0	0	0	%100
105	M114	X	0	0	0	%100
106	M114	Z	0	0	0	%100
107	M115	X	-452	-452	0	%100
108	M115	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
109	M116	X	-.452	-.452	0	%100
110	M116	Z	0	0	0	%100
111	M119	X	-.498	-.498	0	%100
112	M119	Z	0	0	0	%100
113	M122	X	-.498	-.498	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	0	0	0	%100
116	M125	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	M4	X	-.484	-.484	0	%100
2	M4	Z	-.279	-.279	0	%100
3	M10	X	-.137	-.137	0	%100
4	M10	Z	-.079	-.079	0	%100
5	M43	X	-.137	-.137	0	%100
6	M43	Z	-.079	-.079	0	%100
7	M46	X	-.272	-.272	0	%100
8	M46	Z	-.157	-.157	0	%100
9	M51B	X	-.151	-.151	0	%100
10	M51B	Z	-.087	-.087	0	%100
11	M52B	X	-.605	-.605	0	%100
12	M52B	Z	-.349	-.349	0	%100
13	M76	X	-.817	-.817	0	%100
14	M76	Z	-.472	-.472	0	%100
15	M77	X	-.277	-.277	0	%100
16	M77	Z	-.16	-.16	0	%100
17	M80	X	-.292	-.292	0	%100
18	M80	Z	-.169	-.169	0	%100
19	M84	X	-.817	-.817	0	%100
20	M84	Z	-.472	-.472	0	%100
21	M85	X	-1.109	-1.109	0	%100
22	M85	Z	-.64	-.64	0	%100
23	M91	X	-1.168	-1.168	0	%100
24	M91	Z	-.675	-.675	0	%100
25	M100A	X	-.484	-.484	0	%100
26	M100A	Z	-.279	-.279	0	%100
27	M101A	X	-.137	-.137	0	%100
28	M101A	Z	-.079	-.079	0	%100
29	M102A	X	-.137	-.137	0	%100
30	M102A	Z	-.079	-.079	0	%100
31	M103A	X	-.272	-.272	0	%100
32	M103A	Z	-.157	-.157	0	%100
33	M106A	X	-.605	-.605	0	%100
34	M106A	Z	-.349	-.349	0	%100
35	M107A	X	-.151	-.151	0	%100
36	M107A	Z	-.087	-.087	0	%100
37	M111A	X	-.817	-.817	0	%100
38	M111A	Z	-.472	-.472	0	%100
39	M112A	X	-1.109	-1.109	0	%100
40	M112A	Z	-.64	-.64	0	%100
41	M114A	X	-1.168	-1.168	0	%100
42	M114A	Z	-.675	-.675	0	%100
43	M116A	X	-.817	-.817	0	%100
44	M116A	Z	-.472	-.472	0	%100
45	M117A	X	-.277	-.277	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
46	M117A	Z	-.16	-.16	0 %100
47	M119A	X	-.292	-.292	0 %100
48	M119A	Z	-.169	-.169	0 %100
49	M124A	X	0	0	0 %100
50	M124A	Z	0	0	0 %100
51	M125A	X	-.546	-.546	0 %100
52	M125A	Z	-.315	-.315	0 %100
53	M126A	X	-.546	-.546	0 %100
54	M126A	Z	-.315	-.315	0 %100
55	M127A	X	-1.089	-1.089	0 %100
56	M127A	Z	-.629	-.629	0 %100
57	M130A	X	-.151	-.151	0 %100
58	M130A	Z	-.087	-.087	0 %100
59	M131A	X	-.151	-.151	0 %100
60	M131A	Z	-.087	-.087	0 %100
61	M135A	X	0	0	0 %100
62	M135A	Z	0	0	0 %100
63	M136A	X	-.277	-.277	0 %100
64	M136A	Z	-.16	-.16	0 %100
65	M138A	X	-.292	-.292	0 %100
66	M138A	Z	-.169	-.169	0 %100
67	M140A	X	0	0	0 %100
68	M140A	Z	0	0	0 %100
69	M141A	X	-.277	-.277	0 %100
70	M141A	Z	-.16	-.16	0 %100
71	M143A	X	-.292	-.292	0 %100
72	M143A	Z	-.169	-.169	0 %100
73	M148A	X	-.159	-.159	0 %100
74	M148A	Z	-.092	-.092	0 %100
75	M149A	X	-.159	-.159	0 %100
76	M149A	Z	-.092	-.092	0 %100
77	M150A	X	-.635	-.635	0 %100
78	M150A	Z	-.367	-.367	0 %100
79	MP4A	X	-.431	-.431	0 %100
80	MP4A	Z	-.249	-.249	0 %100
81	MP3A	X	-.522	-.522	0 %100
82	MP3A	Z	-.301	-.301	0 %100
83	MP2A	X	-.431	-.431	0 %100
84	MP2A	Z	-.249	-.249	0 %100
85	MP1A	X	-.431	-.431	0 %100
86	MP1A	Z	-.249	-.249	0 %100
87	MP4C	X	-.431	-.431	0 %100
88	MP4C	Z	-.249	-.249	0 %100
89	MP3C	X	-.522	-.522	0 %100
90	MP3C	Z	-.301	-.301	0 %100
91	MP2C	X	-.431	-.431	0 %100
92	MP2C	Z	-.249	-.249	0 %100
93	MP1C	X	-.431	-.431	0 %100
94	MP1C	Z	-.249	-.249	0 %100
95	MP4B	X	-.431	-.431	0 %100
96	MP4B	Z	-.249	-.249	0 %100
97	MP3B	X	-.522	-.522	0 %100
98	MP3B	Z	-.301	-.301	0 %100
99	MP2B	X	-.431	-.431	0 %100
100	MP2B	Z	-.249	-.249	0 %100
101	MP1B	X	-.431	-.431	0 %100
102	MP1B	Z	-.249	-.249	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft.%]	End Location[ft.%]
103	M101	X	-.353	-.353	0	%100
104	M101	Z	-.204	-.204	0	%100
105	M114	X	-.13	-.13	0	%100
106	M114	Z	-.075	-.075	0	%100
107	M115	X	-.13	-.13	0	%100
108	M115	Z	-.075	-.075	0	%100
109	M116	X	-.522	-.522	0	%100
110	M116	Z	-.301	-.301	0	%100
111	M119	X	-.144	-.144	0	%100
112	M119	Z	-.083	-.083	0	%100
113	M122	X	-.575	-.575	0	%100
114	M122	Z	-.332	-.332	0	%100
115	M125	X	-.144	-.144	0	%100
116	M125	Z	-.083	-.083	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	M4	X	-.093	-.093	0	%100
2	M4	Z	-.161	-.161	0	%100
3	M10	X	-.236	-.236	0	%100
4	M10	Z	-.41	-.41	0	%100
5	M43	X	-.236	-.236	0	%100
6	M43	Z	-.41	-.41	0	%100
7	M46	X	-.472	-.472	0	%100
8	M46	Z	-.817	-.817	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.262	-.262	0	%100
12	M52B	Z	-.454	-.454	0	%100
13	M76	X	-.157	-.157	0	%100
14	M76	Z	-.272	-.272	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-.157	-.157	0	%100
20	M84	Z	-.272	-.272	0	%100
21	M85	X	-.48	-.48	0	%100
22	M85	Z	-.832	-.832	0	%100
23	M91	X	-.506	-.506	0	%100
24	M91	Z	-.876	-.876	0	%100
25	M100A	X	-.373	-.373	0	%100
26	M100A	Z	-.645	-.645	0	%100
27	M101A	X	0	0	0	%100
28	M101A	Z	0	0	0	%100
29	M102A	X	0	0	0	%100
30	M102A	Z	0	0	0	%100
31	M103A	X	0	0	0	%100
32	M103A	Z	0	0	0	%100
33	M106A	X	-.262	-.262	0	%100
34	M106A	Z	-.454	-.454	0	%100
35	M107A	X	-.262	-.262	0	%100
36	M107A	Z	-.454	-.454	0	%100
37	M111A	X	-.629	-.629	0	%100
38	M111A	Z	-1.089	-1.089	0	%100
39	M112A	X	-.48	-.48	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.%]
40	M112A	Z	-832	-832	0 %100
41	M114A	X	-506	-506	0 %100
42	M114A	Z	-876	-876	0 %100
43	M116A	X	-629	-629	0 %100
44	M116A	Z	-1.089	-1.089	0 %100
45	M117A	X	-48	-48	0 %100
46	M117A	Z	-832	-832	0 %100
47	M119A	X	-506	-506	0 %100
48	M119A	Z	-876	-876	0 %100
49	M124A	X	-093	-093	0 %100
50	M124A	Z	-161	-161	0 %100
51	M125A	X	-236	-236	0 %100
52	M125A	Z	-41	-41	0 %100
53	M126A	X	-236	-236	0 %100
54	M126A	Z	-41	-41	0 %100
55	M127A	X	-472	-472	0 %100
56	M127A	Z	-817	-817	0 %100
57	M130A	X	-262	-262	0 %100
58	M130A	Z	-454	-454	0 %100
59	M131A	X	0	0	0 %100
60	M131A	Z	0	0	0 %100
61	M135A	X	-157	-157	0 %100
62	M135A	Z	-272	-272	0 %100
63	M136A	X	-48	-48	0 %100
64	M136A	Z	-832	-832	0 %100
65	M138A	X	-506	-506	0 %100
66	M138A	Z	-876	-876	0 %100
67	M140A	X	-157	-157	0 %100
68	M140A	Z	-272	-272	0 %100
69	M141A	X	0	0	0 %100
70	M141A	Z	0	0	0 %100
71	M143A	X	0	0	0 %100
72	M143A	Z	0	0	0 %100
73	M148A	X	-275	-275	0 %100
74	M148A	Z	-477	-477	0 %100
75	M149A	X	0	0	0 %100
76	M149A	Z	0	0	0 %100
77	M150A	X	-275	-275	0 %100
78	M150A	Z	-477	-477	0 %100
79	MP4A	X	-249	-249	0 %100
80	MP4A	Z	-431	-431	0 %100
81	MP3A	X	-301	-301	0 %100
82	MP3A	Z	-522	-522	0 %100
83	MP2A	X	-249	-249	0 %100
84	MP2A	Z	-431	-431	0 %100
85	MP1A	X	-249	-249	0 %100
86	MP1A	Z	-431	-431	0 %100
87	MP4C	X	-249	-249	0 %100
88	MP4C	Z	-431	-431	0 %100
89	MP3C	X	-301	-301	0 %100
90	MP3C	Z	-522	-522	0 %100
91	MP2C	X	-249	-249	0 %100
92	MP2C	Z	-431	-431	0 %100
93	MP1C	X	-249	-249	0 %100
94	MP1C	Z	-431	-431	0 %100
95	MP4B	X	-249	-249	0 %100
96	MP4B	Z	-431	-431	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
97	MP3B	X	-.301	-.301	0	%100
98	MP3B	Z	-.522	-.522	0	%100
99	MP2B	X	-.249	-.249	0	%100
100	MP2B	Z	-.431	-.431	0	%100
101	MP1B	X	-.249	-.249	0	%100
102	MP1B	Z	-.431	-.431	0	%100
103	M101	X	-.204	-.204	0	%100
104	M101	Z	-.353	-.353	0	%100
105	M114	X	-.226	-.226	0	%100
106	M114	Z	-.391	-.391	0	%100
107	M115	X	0	0	0	%100
108	M115	Z	0	0	0	%100
109	M116	X	-.226	-.226	0	%100
110	M116	Z	-.391	-.391	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	0	0	0	%100
113	M122	X	-.249	-.249	0	%100
114	M122	Z	-.431	-.431	0	%100
115	M125	X	-.249	-.249	0	%100
116	M125	Z	-.431	-.431	0	%100

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M51B	Y	-.002	-.004	0	.832
2	M51B	Y	-.004	-.007	.832	1.665
3	M51B	Y	-.007	-.008	1.665	2.497
4	M51B	Y	-.008	-.007	2.497	3.329
5	M51B	Y	-.007	-.003	3.329	4.162
6	M52B	Y	-.003	-.007	0	.832
7	M52B	Y	-.007	-.008	.832	1.665
8	M52B	Y	-.008	-.007	1.665	2.497
9	M52B	Y	-.007	-.004	2.497	3.329
10	M52B	Y	-.004	-.002	3.329	4.162
11	M106A	Y	-.002	-.004	0	.832
12	M106A	Y	-.004	-.007	.832	1.665
13	M106A	Y	-.007	-.008	1.665	2.497
14	M106A	Y	-.008	-.007	2.497	3.329
15	M106A	Y	-.007	-.003	3.329	4.162
16	M107A	Y	-.003	-.007	0	.832
17	M107A	Y	-.007	-.008	.832	1.665
18	M107A	Y	-.008	-.007	1.665	2.497
19	M107A	Y	-.007	-.004	2.497	3.329
20	M107A	Y	-.004	-.002	3.329	4.162
21	M130A	Y	-.002	-.004	0	.832
22	M130A	Y	-.004	-.007	.832	1.665
23	M130A	Y	-.007	-.008	1.665	2.497
24	M130A	Y	-.008	-.007	2.497	3.329
25	M130A	Y	-.007	-.003	3.329	4.162
26	M131A	Y	-.003	-.007	0	.832
27	M131A	Y	-.007	-.008	.832	1.665
28	M131A	Y	-.008	-.007	1.665	2.497
29	M131A	Y	-.007	-.004	2.497	3.329
30	M131A	Y	-.004	-.002	3.329	4.162

Member Distributed Loads (BLC 82 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
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Member Distributed Loads (BLC 82 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M51B	Y	-0.003	-0.008	0	.832
2	M51B	Y	-0.008	-0.013	.832	1.665
3	M51B	Y	-0.013	-0.016	1.665	2.497
4	M51B	Y	-0.016	-0.013	2.497	3.329
5	M51B	Y	-0.013	-0.007	3.329	4.162
6	M52B	Y	-0.007	-0.013	0	.832
7	M52B	Y	-0.013	-0.016	.832	1.665
8	M52B	Y	-0.016	-0.014	1.665	2.497
9	M52B	Y	-0.014	-0.009	2.497	3.329
10	M52B	Y	-0.009	-0.004	3.329	4.162
11	M106A	Y	-0.003	-0.008	0	.832
12	M106A	Y	-0.008	-0.013	.832	1.665
13	M106A	Y	-0.013	-0.016	1.665	2.497
14	M106A	Y	-0.016	-0.013	2.497	3.329
15	M106A	Y	-0.013	-0.007	3.329	4.162
16	M107A	Y	-0.007	-0.013	0	.832
17	M107A	Y	-0.013	-0.016	.832	1.665
18	M107A	Y	-0.016	-0.014	1.665	2.497
19	M107A	Y	-0.014	-0.009	2.497	3.329
20	M107A	Y	-0.009	-0.004	3.329	4.162
21	M130A	Y	-0.004	-0.009	0	.832
22	M130A	Y	-0.009	-0.014	.832	1.665
23	M130A	Y	-0.014	-0.016	1.665	2.497
24	M130A	Y	-0.016	-0.013	2.497	3.329
25	M130A	Y	-0.013	-0.007	3.329	4.162
26	M131A	Y	-0.007	-0.013	0	.832
27	M131A	Y	-0.013	-0.016	.832	1.665
28	M131A	Y	-0.016	-0.013	1.665	2.497
29	M131A	Y	-0.013	-0.008	2.497	3.329
30	M131A	Y	-0.008	-0.003	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N87C	N87B	N7	N6	Y	Two Way	-0.005
2	N150A	N152A	N128A	N127A	Y	Two Way	-0.005
3	N179A	N181A	N157A	N156A	Y	Two Way	-0.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N87C	N87B	N7	N6	Y	Two Way	-0.01
2	N150A	N152A	N128A	N127A	Y	Two Way	-0.01
3	N179A	N181A	N157A	N156A	Y	Two Way	-0.01

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	592.541	10	2003.095	13	1728.524	1	4.359	13	.964	4	-.002	2
2		min	-619.061	4	431.542	7	-1897.03	7	.266	7	-1.015	10	-.352	20
3	N125A	max	1468.322	9	2136.345	21	1310.598	1	-.38	3	1.122	12	-.126	3
4		min	-1600.521	3	516.079	3	-1197.082	7	-2.772	45	-1.165	6	-3.703	21
5	N154A	max	1656.816	10	2006.549	17	802.067	11	.068	11	1.053	8	3.925	17
6		min	-1496.379	4	458.217	11	-747.707	5	-1.94	17	-1.096	2	.448	11
7	Totals:	max	3509.67	10	5773.143	17	3696.058	1						
8		min	-3509.668	4	2964.62	11	-3696.061	7						



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

June 28, 2021
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Envelope AISC 15th(360-16): LRFD Steel Code Checks

Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L...Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn	
1	M4	HSS4X4X4	.275	0	14	.074	0 y 24	124657...	139518	16.181	16.181	2...	H1-1b	
2	M10	HSS4X4X4	.140	2.375	14	.036	2... y 13	136263...	139518	16.181	16.181	1...	H1-1b	
3	M43	HSS4X4X4	.129	0	24	.048	0 y 24	136263...	139518	16.181	16.181	1...	H1-1b	
4	M46	PL1/2x6	.149	.516	2	.130	.... y 16	66009.2...	97200	1.012	12.15	1...	H1-1b
5	M51B	L2x2x3	.095	0	2	.008	0 y 17	9823.122	23392.8	.558	1.074	1...	H2-1	
6	M52B	L2x2x3	.114	0	12	.005	4... z 11	9823.122	23392.8	.558	1.074	1...	H2-1	
7	M76	PL3/8x6	.160	0	2	.279	0 y 18	70677.9...	72900	.57	9.113	1...	H1-1b	
8	M77	PL3/8x6	.172	.167	7	.276	0 y 13	71601.7...	72900	.57	9.113	1...	H1-1b	
9	M80	PL1/2x6	.055	.112	2	.068	.... y 5	96757.5...	97200	1.012	12.15	1...	H1-1b
10	M84	PL3/8x6	.141	0	10	.079	0 y 9	70677.9...	72900	.57	9.113	1...	H1-1b	
11	M85	PL3/8x6	.214	.167	6	.278	0 y 24	71601.7...	72900	.57	9.113	2...	H1-1b	
12	M91	PL1/2x6	.042	.112	7	.102	0 y 3	96757.5...	97200	1.012	12.15	1...	H1-1b	
13	M100A	HSS4X4X4	.282	0	46	.093	0 y 42	124657...	139518	16.181	16.181	2...	H1-1b	
14	M101A	HSS4X4X4	.139	2.375	22	.036	2... y 21	136263...	139518	16.181	16.181	1...	H1-1b	
15	M102A	HSS4X4X4	.129	0	20	.051	0 y 44	136263...	139518	16.181	16.181	1...	H1-1b	
16	M103A	PL1/2x6	.145	.516	10	.147	.... y 48	66009.2...	97200	1.012	12.15	1...	H1-1b
17	M106A	L2x2x3	.093	0	10	.008	0 y 13	9823.122	23392.8	.558	1.074	1...	H2-1	
18	M107A	L2x2x3	.111	0	8	.005	4... z 6	9823.122	23392.8	.558	1.074	1...	H2-1	
19	M111A	PL3/8x6	.156	0	10	.278	0 y 14	70677.9...	72900	.57	9.113	1...	H1-1b	
20	M112A	PL3/8x6	.163	.167	3	.274	0 y 21	71601.7...	72900	.57	9.113	1...	H1-1b	
21	M114A	PL1/2x6	.053	.112	10	.069	.... y 1	96757.5...	97200	1.012	12.15	1...	H1-1b
22	M116A	PL3/8x6	.152	0	6	.135	0 y 29	70677.9...	72900	.57	9.113	1...	H1-1b	
23	M117A	PL3/8x6	.212	.167	2	.279	0 y 20	71601.7...	72900	.57	9.113	2...	H1-1b	
24	M119A	PL1/2x6	.040	.112	3	.138	0 y 47	96757.5...	97200	1.012	12.15	1...	H1-1b	
25	M124A	HSS4X4X4	.276	0	18	.074	0 y 15	124657...	139518	16.181	16.181	2...	H1-1b	
26	M125A	HSS4X4X4	.141	2.375	18	.036	2... y 17	136263...	139518	16.181	16.181	1...	H1-1b	
27	M126A	HSS4X4X4	.129	0	16	.048	0 y 16	136263...	139518	16.181	16.181	1...	H1-1b	
28	M127A	PL1/2x6	.151	.516	6	.130	.... y 20	66009.2...	97200	1.012	12.15	1...	H1-1b
29	M130A	L2x2x3	.096	0	6	.008	0 y 21	9823.122	23392.8	.558	1.074	1...	H2-1	
30	M131A	L2x2x3	.109	0	4	.005	4... z 2	9823.122	23392.8	.558	1.074	1...	H2-1	
31	M135A	PL3/8x6	.163	0	6	.279	0 y 22	70677.9...	72900	.57	9.113	1...	H1-1b	
32	M136A	PL3/8x6	.167	.167	11	.276	0 y 17	71601.7...	72900	.57	9.113	1...	H1-1b	
33	M138A	PL1/2x6	.056	.112	6	.070	.... y 8	96757.5...	97200	1.012	12.15	1...	H1-1b
34	M140A	PL3/8x6	.153	0	2	.112	0 y 25	70677.9...	72900	.57	9.113	1...	H1-1b	
35	M141A	PL3/8x6	.206	.167	10	.279	0 y 16	71601.7...	72900	.57	9.113	2...	H1-1b	
36	M143A	PL1/2x6	.041	.112	12	.106	0 y 7	96757.5...	97200	1.012	12.15	1...	H1-1b	
37	M148A	PIPE 3.0	.149	5.031	19	.060	8...	24838.9...	65205	5.749	5.749	2...	H1-1b	
38	M149A	PIPE 3.0	.148	5.031	15	.058	8...	24838.9...	65205	5.749	5.749	2...	H1-1b	
39	M150A	PIPE 3.0	.147	5.031	23	.061	8...	24838.9...	65205	5.749	5.749	2...	H1-1b	
40	MP4A	PIPE 2.0	.142	3	49	.073	.5	7	22845.3...	32130	1.872	1.872	2...	H1-1b
41	MP3A	PIPE 2.5	.198	3.625	5	.092	3...	7	37773.8...	50715	3.596	3.596	1...	H1-1b
42	MP2A	PIPE 2.0	.276	5.156	3	.055	5...	9	16368.5...	32130	1.872	1.872	4...	H1-1b
43	MP1A	PIPE 2.0	.253	3	9	.093	3	8	22845.3...	32130	1.872	1.872	1...	H1-1b
44	MP4C	PIPE 2.0	.138	.5	2	.072	.5	3	22845.3...	32130	1.872	1.872	1...	H1-1b
45	MP3C	PIPE 2.5	.202	3.625	1	.091	3...	3	37773.8...	50715	3.596	3.596	1...	H1-1b
46	MP2C	PIPE 2.0	.278	5.156	6	.054	5...	5	16368.5...	32130	1.872	1.872	3...	H1-1b
47	MP1C	PIPE 2.0	.254	3	5	.091	3	5	22845.3...	32130	1.872	1.872	2...	H1-1b
48	MP4B	PIPE 2.0	.132	.5	11	.069	.5	11	22845.3...	32130	1.872	1.872	1...	H1-1b
49	MP3B	PIPE 2.5	.199	3.625	8	.090	3...	11	37773.8...	50715	3.596	3.596	1...	H1-1b
50	MP2B	PIPE 2.0	.291	5.156	7	.057	5...	1	16368.5...	32130	1.872	1.872	2...	H1-1b
51	MP1B	PIPE 2.0	.258	3	1	.093	3	12	22845.3...	32130	1.872	1.872	1...	H1-1b
52	M101	PIPE 2.0	.077	2.5	6	.014	2.5	6	28843.4...	32130	1.872	1.872	2...	H1-1b
53	M114	PIPE 2.5	.139	10.6...	4	.083	1...	7	12637.3...	50715	3.596	3.596	1...	H1-1b
54	M115	PIPE 2.5	.144	10.6...	12	.083	1...	3	12637.3...	50715	3.596	3.596	1...	H1-1b
55	M116	PIPE 2.5	.144	10.6...	8	.080	1...	11	12637.3...	50715	3.596	3.596	1...	H1-1b
56	M119	L3X3X4	.194	0	7	.060	0 z 12	45638.2...	46656	1.688	3.756	2...	H2-1	



Company : Maser Consulting
 Designer : AJH
 Job Number : Project No. 10068316
 Model Name : 467879-VZW_MT_LO_H

June 28, 2021
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 Checked By: _____

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

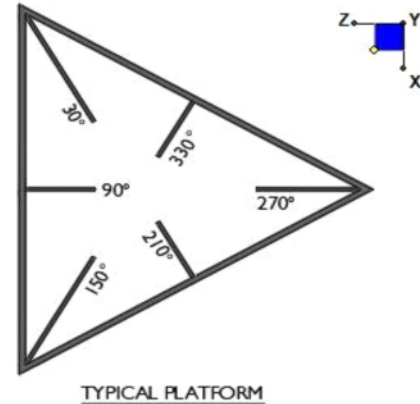
Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L...Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn
57	M122	L3X3X4	.196	0	3	.060	.... z	8	45638.2...	46656	1.688	3.756	2... H2-1
58	M125	L3X3X4	.191	0	11	.057	0 z	4	45638.2...	46656	1.688	3.756	2... H2-1



I. Mount-to-Tower Connection Check

RISA Model Data

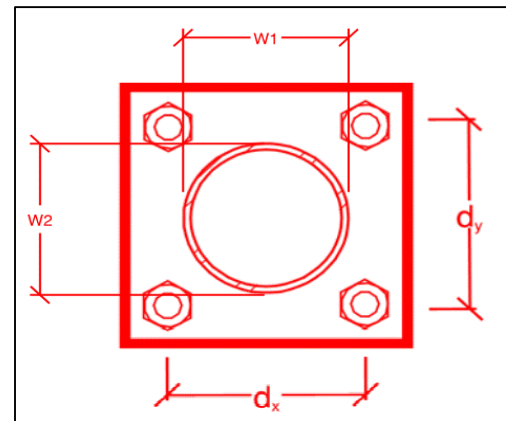
Nodes (labeled per RISA)	Orientation (per graphic of typical platform)



Tower Connection Bolt Checks

- Any moment resistance?:
- Bolt Quantity per Reaction:
- d_x (in) (Delta X of typ. bolt config. sketch)
- d_y (in) (Delta Y of typ. bolt config. sketch)
- Bolt Type:
- Bolt Diameter (in):
- Required Tensile Strength (kips):
- Required Shear Strength (kips):
- Tensile Strength / bolt (kips):
- Shear Strength / bolt (kips):
- Tensile Capacity Overall:
- Shear Capacity Overall:

yes



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

Tower Connection Plate and Weld Check

- Connecting Standoff Member Shape:
- Plate Width (in):
- Plate Height (in):
- W1 (in):
- W2 (in):
- Fy (ksi, plate):
- t_{plate} (in)
- Weld Size (1/16 in):
- $\Phi * R_n$ (kip/in):
- Required Weld Strength (kip/in):
- Plate Bending Capacity:
- Weld Capacity:

Rect

Max Plate Bending Strengths

Mu_{xx} (kip-in)	
$\Phi * Mn_{xx}$ (kip-in)	
Mu_{yy} (kip-in)	
$\Phi * Mn_{yy}$ (kip-in)	

Mount Desktop Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor **Mount Modification**

Purpose – to provide MASER CONSULTING 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 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
- “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.
 - 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 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.


















The Material utilized was as specified on the MASER CONSULTING Mount Modification Drawings and included in the Material certification folder is a packing list or invoice for these materials

The material utilized was an "equivalent" and included as part of the contractor submission is the MASER CONSULTING certification, invoices, or specifications validating accepted status

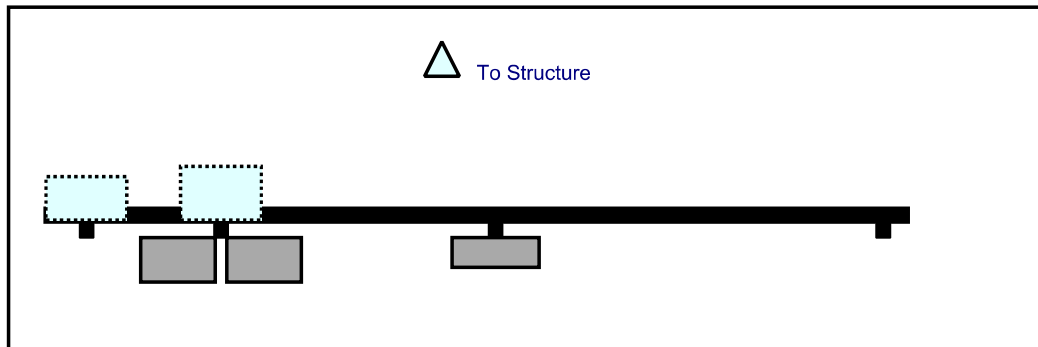
Certifying Individual: Company _____

Name _____

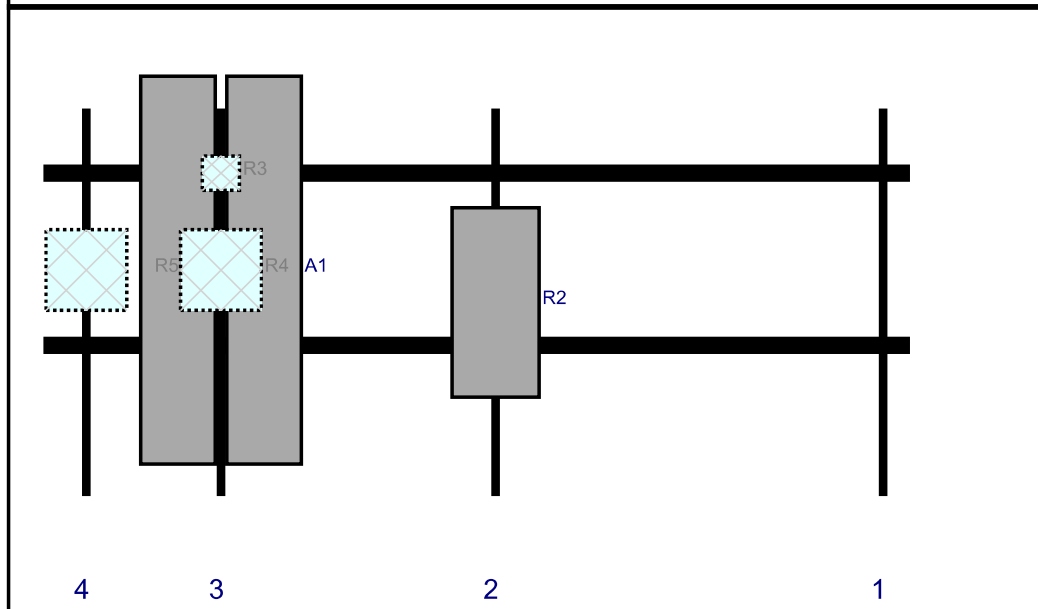
Schedule A Photo & Document File Structure

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

Plan View

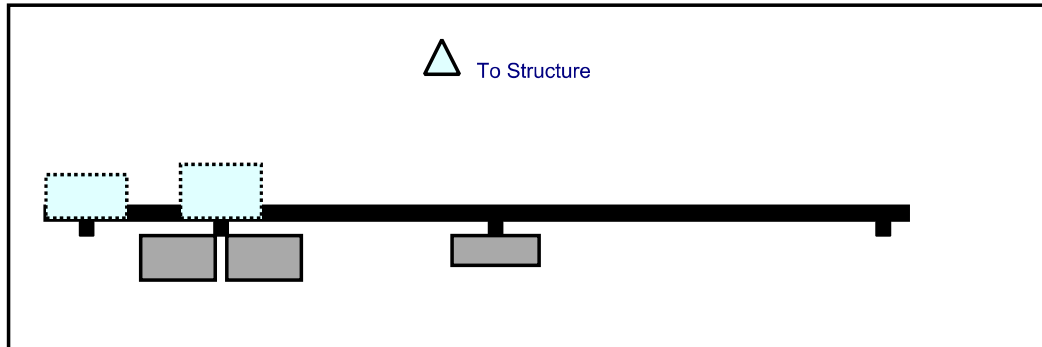


Front View
Looking at Structure



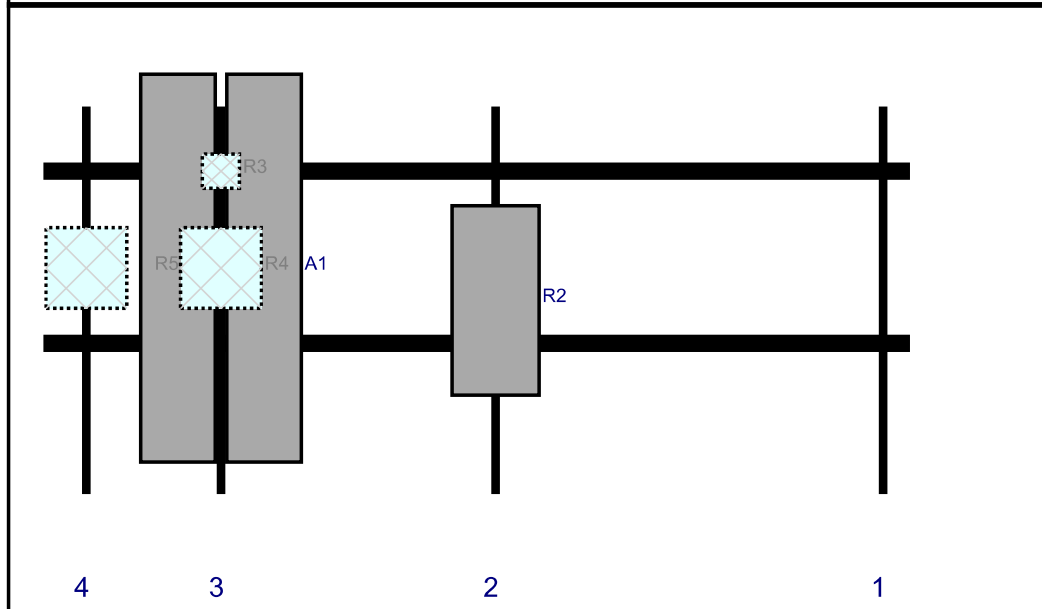
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	84	2	a	Front	36	0	Added	
A1	JAHH-65B-R3B	72	13.8	33	3	a	Front	30	8	Added	
A1	JAHH-65B-R3B	72	13.8	33	3	b	Front	30	-8	Added	
R3	CBC78T-DS-43-2X	6.4	6.9	33	3	a	Behind	12	0	Added	
R4	B2/B66A RRH-BR049	15	15	33	3	a	Behind	30	0	Added	
R5	B5/B13 RRH-BR04C	15	15	8	4	a	Behind	30	0	Added	

Plan View



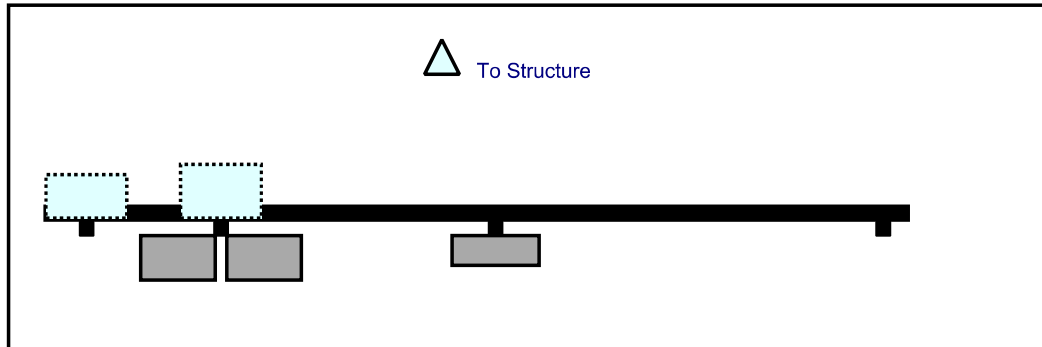
Front View

Looking at Structure

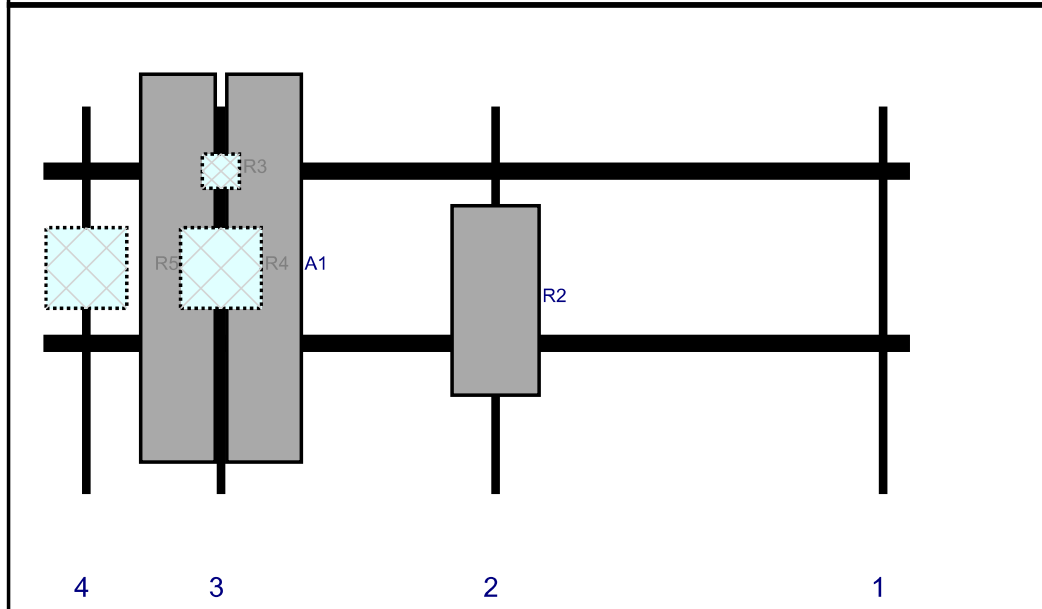


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	84	2	a	Front	36	0	Added	
A1	JAHH-65B-R3B	72	13.8	33	3	a	Front	30	8	Added	
A1	JAHH-65B-R3B	72	13.8	33	3	b	Front	30	-8	Added	
R3	CBC78T-DS-43-2X	6.4	6.9	33	3	a	Behind	12	0	Added	
R4	B2/B66A RRH-BR049	15	15	33	3	a	Behind	30	0	Added	
R5	B5/B13 RRH-BR04C	15	15	8	4	a	Behind	30	0	Added	

Plan View



Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	84	2	a	Front	36	0	Added	
A1	JAHH-65B-R3B	72	13.8	33	3	a	Front	30	8	Added	
A1	JAHH-65B-R3B	72	13.8	33	3	b	Front	30	-8	Added	
R3	CBC78T-DS-43-2X	6.4	6.9	33	3	a	Behind	12	0	Added	
R4	B2/B66A RRH-BR049	15	15	33	3	a	Behind	30	0	Added	
R5	B5/B13 RRH-BR04C	15	15	8	4	a	Behind	30	0	Added	



Maser Consulting

Subject

TIA-222-H Usage

Site Information

Site ID:	467879-VZW / NE PROSPECT EAST
Site Name:	NE PROSPECT EAST
Carrier Name:	Verizon Wireless
Address:	229 Cheshire Rd Prospect, Connecticut 06712 New Haven County
Latitude:	41.507881°
Longitude:	-72.951022°

Structure Information

Tower Type:	150-Ft Monopole
Mount Type:	13.42-Ft Platform

To Whom It May Concern,

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

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

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

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

Sincerely,

Derek Hartzell, PE
Technical Specialist

ATTACHMENT 5



Matthew

Sunrise Dr

Plank Rd

Mixville Rd

Cheshire Rd

Chatfield Rd

Tress Rd

Cornwall Ave

68

State Hwy 68

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2020.



www.townofprospect.org

Information on the Property Records for the Municipality of Prospect was last updated on 10/13/2021.

Property Summary Information

- [Parcel Data And Values](#)
- [Building](#)
- [Outbuildings](#)
- [Permits](#)

Parcel Information

Location:	229 CHESHIRE RD	Property Use:	Residential	Primary Use:	Residential
Unique ID:	K0150100	Map Block Lot:	118 33 229	Acres:	64.76
490 Acres:	63.84	Zone:	RA-1	Volume / Page:	0070/0767
Developers Map / Lot:		Census:	3471		

Value Information

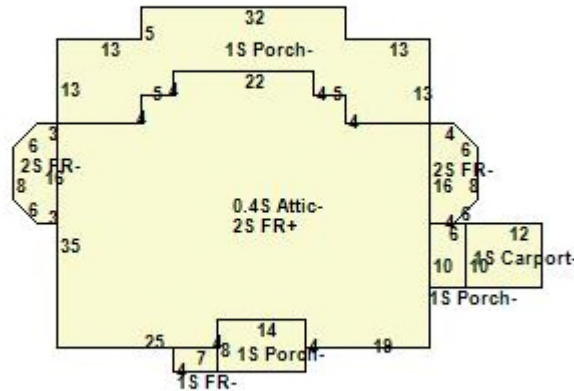
	Appraised Value	Assessed Value
Land	231,084	85,340
Buildings	180,605	126,420
Detached Outbuildings	311,383	217,970
Total	723,072	429,730

Owner's Information

Owner's Data

KATHAN BOARDMAN W
 229 CHESHIRE RD
 PROSPECT CT 06712

Building 1



Building Use: Single Family
 Stories: 2.00
 Total Rooms: 12
 Half Baths: 2
 Fuel: Oil
 Basement Finished Area: 0
 Siding: Wood Shingles

Style: Colonial
 Construction: Wood Frame
 Bedrooms: 4
 Fireplaces: 2
 Cooling Percent: 0
 Basement Garages: 0
 Units: w/ Accessory Apt

Living Area: 4,824
 Year Built: 1906
 Full Baths: 2
 Heating: Hot Water
 Basement Area: 2,190
 Roof Material:

Special Features

Fireplace 2

Attached Components

Type:	Year Built:	Area:
Unfinished Attic	1906	876
Frame Carport	1906	120
Open Porch	1906	112
Open Porch	1906	60

Detached Outbuildings

Type:	Year Built:	Length:	Width:	Area:
Frame Garage	1907	0.00	0.00	315
Frame Garage	1907	0.00	0.00	1,152
Cell Tower	1990	0.00	0.00	1

Owner History - Sales

Owner Name Volume Page Sale Date Deed Type Sale Price

Building Permits

Permit Number	Permit Type	Date Opened	Reason
7589	Commercial	06/09/2016	REINFORCING TOWER TO BASE
7570	Commercial	05/18/2016	INSTALL 6 NEWER CELL ANTENNAS REMOVE 3 OLD ONES
6869	Electrical	07/19/2013	REPLACE 6 EXISTING CELL ANNTENNAS WITH 3 NEWER TECH ANTENNAE & EQUIP
6844	Electrical	06/19/2013	REINFORCEMENT OF EXISTING COMMUNICATION TOWER
6678	Residential	09/25/2012	REMOVE /REPLACE (6) ANTENNAS WITH 6 NEW ADD'L EQUIP EXSTNG SHEIT
6051		03/12/2010	REMOVE 10 ANTENNAE REPLACE WITH;10 ANTENNAE; INSTALLATION OF VERIZON WIRELESS 12X20
4847		04/05/2005	COMMUNICATI;ONS EQUIP SHELTER & ANTENNAS AT EXIST COMM FAC.;
4847		04/05/2005	INSTALLATION OF VERIZON WIRELESS 12X20 COMMUNICATI;ONS EQUIP SHELTER & ANTENNAS AT EXIST COMM FAC.;

Permit Number	Permit Type	Date Opened	Reason
3776		10/09/1999	CONSTRUCTED A 150' TELECOMMUNICATION TOWER; 1 ACRE PRICED AS INCOME INTENSIVE WITH TOWER. 150000 AD

Google Map

Unique Id:	K0150100
Location:	229 CHESHIRE F
MBL:	118 33 229
Primary Use:	Residential
Zone:	RA-1
Acres:	64.76
Appraised Value:	\$723,072
Assessed Value:	\$429,730

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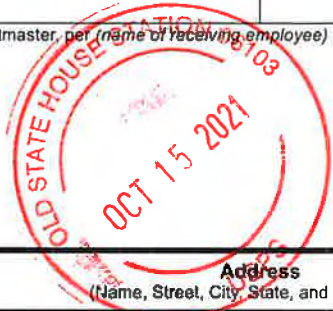
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ATTACHMENT 6



**PROSPECT EAST
Certificate of Mailing — Firm**

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



USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Robert J. Chatfield, Mayor Town of Prospect 36 Center Street Prospect, CT 06712				
2.	Mary Barton, Land Use Inspector Town of Prospect 36 Center Street Prospect, CT 06712				
3.	Boardman W. Kathan 229 Cheshire Road Prospect, CT 06712				
4.					
5.					
6.					