

KENNETH C. BALDWIN

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Hartford, CT 06103-3597  
Main (860) 275-8200  
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kbaldwin@rc.com  
Direct (860) 275-8345

Also admitted in Massachusetts  
and New York

April 19, 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  
24 Rockdale Road, West Haven, Connecticut**

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains an existing wireless telecommunications facility at the above-referenced property address (the “Property”). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower and Cellco’s use of the tower were approved by the Council in 1986 in Docket No. 56. A copy of the Docket No. 56 approval is included in Attachment 1.

Cellco now intends to modify its facility by removing three (3) existing antennas and installing three (3) new antennas on Cellco’s existing antenna platform. A set of project plans showing the proposed facility modifications and Cellco’s antennas 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 West Haven’s Chief Elected Official and Land Use Officer.

Melanie A. Bachman, Esq.  
April 19, 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 replacement 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 the 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, tower base plate and antenna mounting device can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4. Also included in Attachment 4 is a separate letter prepared by the consulting engineer responsible for the preparation of the MA verifying that the antenna model described in the MA, as a nL-Sub6 Antenna, is the Samsung 64T64R model antenna.

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

Melanie A. Bachman, Esq.  
April 19, 2021  
Page 3

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).

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:

Nancy R. Rossi, West Haven Mayor  
Fred Messoro, West Haven Commissioner Planning and Development  
Radio Communications Corporation  
Aleksey Tyurin

# Attachment 1

AN APPLICATION OF METRO MOBILE CTS OF NEW HAVEN, INC., FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE, AND OPERATION OF FACILITIES TO PROVIDE CELLULAR SERVICE IN NEW HAVEN COUNTY. : CONNECTICUT SITING  
: COUNCIL  
: April 14, 1986

D E C I S I O N A N D O R D E R

Pursuant to the foregoing opinion, the Council hereby directs that a certificate of environmental compatibility and public need as required by section 16-50k of the General Statutes of Connecticut (CGS) be issued to Metro Mobile CTS of New Haven, Inc., for the construction, maintenance, and operation of cellular mobile phone telecommunication towers and associated equipment in the towns of Wolcott, Naugatuck, West Haven (existing tower), Milford, Hamden (existing tower), Guilford, and North Branford subject to the conditions below.

1. The proposed and alternate Beacon Falls sites are rejected without prejudice.
2. The Wolcott tower shall be constructed to meet Zone C wind loading with 1" of radial ice and shall not exceed 180' in height excluding antennas.
3. The Naugatuck tower shall not exceed 160' in height, excluding antennas. The certificate holder shall offer to remove the existing privately owned, unused tower now on the site.
4. Any future actions requiring the removal of the existing West Haven or Hamden towers to be shared by the certificate holder shall also apply to the equipment mounted on those towers by the certificate holder, regardless of that equipment's status under Chapter 277a of the CGS.

5. The Milford tower shall be a monopole structure not to exceed 100' in height, excluding antennas.
6. The Guilford tower shall be a monopole structure not to exceed 150' in height, excluding antennas.
7. The North Branford Route 17 site is rejected. The North Branford East Reeds Gap Road tower shall not exceed 160' in height, excluding antennas.
8. The certificate holder shall submit a development and management plan for the Wolcott, Naugatuck, Milford, Hamden, Guilford, and North Branford sites pursuant to sections 16-50j-75 through 16-50j-77 of the RSA, except that irrelevant items in section 16-50j-76 need only be identified as such. In addition to the requirements of section 16-50j-76, the D&M plan shall provide plans for evergreen screening around the fenced perimeter at the Wolcott, Milford, Hamden, Guilford, and North Branford sites. The D&M plan shall include a proposal for painting the approved monopole structures to blend with the sky. Any changes to specifications in the D&M plan must be approved by the Council prior to facility operation.
9. All certified facilities shall be constructed, operated, and maintained as specified in the Council's record and in the site development and management plan required by order 8.
10. The certificate holder shall permit public or private entities to share space on the towers approved herein, for due consideration received, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing. In addition to complying with 16-50j-73, the

certificate holder shall notify the Council of the addition of any equipment to any approved tower.

11. A fence not lower than 8' shall surround each tower and associated equipment.
12. Unless necessary to comply with order 13, below, no lights shall be installed on any of these towers.
13. The facilities' construction and any future tower sharing shall be in accordance with all applicable federal, state, and municipal laws and regulations. Shared uses by entities not subject to jurisdiction pursuant to sections 16-50i and 16-50k of the CGS shall be subject to all applicable federal, state, and municipal laws and regulations.
14. Construction activities shall take place during daylight working hours.
15. This decision and order shall be void and the towers and associated equipment shall be dismantled and removed, or reapplication for any new use shall be made to the CSC before any such new use is made, if the towers do not provide or permanently cease to provide cellular service following completion of construction.
16. This decision and order shall be void if all construction authorized herein is not completed within three years of the issuance of this decision, or within three years of the completion of any appeal if appeal of this decision is taken, unless otherwise approved by the Council.

Pursuant to CGS section 16-50p, we hereby direct that a copy of the decision and order shall be served on each person listed below. A notice

of the issuance shall be published in The Record-Journal, The New Haven Register, The Branford Review, The Evening Sentinel, The Waterbury American, and The Waterbury Republican.

The parties to this proceeding are:

Metro Mobile CTS of New Haven, Inc. (Applicant)  
5 Eversley Avenue  
Norwalk, Connecticut 06855

ATTN: Armand Mascioli  
General Manager

Mr. Kevin B. Sullivan, Esq. (its attorneys)  
Byrne, Slater, Sandler, Shulman & Rouse, P.C.  
111 Pearl Street  
P.O. Box 3216  
Hartford, Connecticut 06103

Mr. Richard Rubin, Esq.  
Fleischman and Walsh, P.C.  
1725 N Street, N.W.  
Washington, D.C. 20036

Guilford Conservation Commission

represented by:

Mr. David B. Damer  
Chairman  
Guilford Conservation Commission  
440 Great Hill Road  
Guilford, Connecticut 06437

Mr. Robert W. Griswold, Jr.  
100 Rimmon Hill Road  
Beacon Falls, Connecticut 06403

Town of Hamden  
Memorial Town Hall  
2372 Whitney Avenue  
Hamden, Connecticut 06518

ATTN: Shirley Gonzales  
Town Planner



Guilford Planning and Zoning Commission

represented by:

Mr. David W. Fisher  
Chairman  
Town Hall  
31 Park Street  
Guilford, Connecticut 06437

Town of Hamden

represented by:

John DeNicola, Jr.  
Mayor  
Town of Hamden  
Memorial Town Hall  
2372 Whitney Avenue  
New Haven, Connecticut 06518

Citizens Park Council of New Haven

represented by:

Mr. John J. Ciarleglio  
President  
Citizens Park Council  
of New Haven  
36 Elmwood Road  
New Haven, Connecticut 06515

Mr. Thomas V. Keating  
343 Rimmon Hill Road  
Beacon Falls, Connecticut 06403

Ms. Evelyn M. Sirowich  
245 Rimmon Hill Road  
Beacon Falls, Connecticut 06403

Mr. Jack B. Levine  
11 White Birch Lane  
Beacon Falls, Connecticut 06403

Southern New England Telephone Company

represented by:

Mr. Peter J. Tyrrell, Esq.  
227 Church Street  
New Haven, Connecticut 06506

Mr. Dennis Bialecki  
96 West Road  
Beacon Falls, Connecticut 06403

Brittany Woods Homeowner's Association

represented by:

Mr. Stephen P. DeI Sole, Esq.  
DeI Sole & DeI Sole  
152 Temple Street  
P.O. Box 405  
New Haven, Connecticut 06502-0405

Ms. Barbara G. Schlein  
Box 2993 Westville Station  
New Haven, Connecticut 06515

Mr. & Mrs. Joseph T. Farrell, Jr.  
334 Rimmon Hill Road  
Beacon Falls, Connecticut 06403

Town of Beacon Falls

represented by:

The Honorable Leonard F. D'Amico  
First Selectman  
10 Maple Avenue  
Beacon Falls, Connecticut 06403

West Rock Ridge Park Association

represented by:

Mr. William L. Doheny Jr., D.D.S.  
President  
220 Mountain Road  
Hamden, Connecticut 06514

Department of Parks,  
Recreation & Trees

represented by:

Mr. Robert G. Sheeley  
Director  
Parks, Recreation & Trees  
P.O. Box 1416  
New Haven, Connecticut 06506

Town of Wallingford

represented by:

William W. Dickinson, Jr.  
Mayor  
Municipal Building  
350 Center Street  
P.O. Box 427  
Wallingford, Connecticut 06492

New Haven Sierra Club

represented by:

Ms. Laurie Klein  
270 Edgewood Avenue  
New Haven, Connecticut 06511

Peter M. Lerner  
State Representative  
8 Merritt Avenue  
Woodbridge, Connecticut 06525

Carleton J. Benson  
State Representative  
161 Scott Road  
Prospect, Connecticut 06712

Dr. Stephen Collins (service waived)  
Vice Chairman  
West Rock State Park  
Advisory Council  
Bethany, Connecticut

Mr. Louis Melillo (service waived)  
985 Wintergreen Avenue  
Hamden, Connecticut

Mr. John McGeever (service waived)  
339 Rimmon Hill  
Beacon Falls, Connecticut 06403

Senator John Consoli (service waived)  
51 Luke Hill Road  
Bethany, Connecticut 06525

Representative George P. Bassing (service waived)  
14 Oakwood Drive  
Seymour, Connecticut 06483

Dr. George D. Whitney (service waived)  
858 Oakwood Road  
Orange, Connecticut

Mr. Steve Molnar (service waived)  
205 West Road  
Beacon Falls, Connecticut

Mr. James W. Grandy (service waived)  
President  
Hamden Land Conservation Trust  
Hamden, Connecticut

Senator Richard S. Eaton (service waived)  
269 Mulberry Point Road  
Guilford, Connecticut 06437

Representative Robert M. Ward  
719 Totoket Road  
Northford, Connecticut 06472

Town of North Branford

represented by:

John Gesmonde, Esquire  
3127 Whitney Avenue  
Hamden, Connecticut 06518

Regina Smith  
1887 Middletown Avenue  
Northford, Connecticut 06472

(service waived)

Richard A. Nizolek  
The Restland Farm Corporation  
Route 17  
Northford, Connecticut 06472

Mary Liska  
83 Reeds Gap Road  
Northford, Connecticut 06472

Ben Bullard  
50 Christmas Hill Road  
Guilford, Connecticut 06437

(service waived)

Roland Robichaud  
31 Berncliff Drive  
North Branford, Connecticut 06471

(service waived)

Irene Flynn  
1926 Middletown Avenue  
Northford, Connecticut 06472

(service waived)

Charles Pope  
199 Donalds Road  
Guilford, Connecticut 06437

Richard Abate  
131 Manor Road  
Guilford, Connecticut 06437

(service waived)

City of Milford

represented by:

Mayor Alberta Jagoe  
Alderman Maurice Condon  
Alderman Frederick Lisman  
City Hall  
River Street  
Milford, Connecticut 06460

Thomas Scelfo  
81 Berncliff Drive  
North Branford, Connecticut 06471

(service waived)

Senator Thomas Scott  
22 Meyers Court  
Milford, Connecticut 06460

(service waived)

Helen Moore  
385 Oronoque Road  
Milford, Connecticut 06460

(service waived)

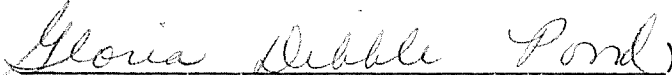

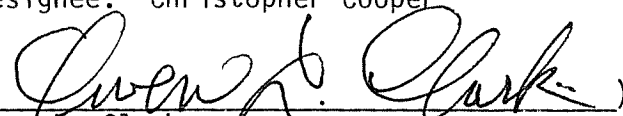

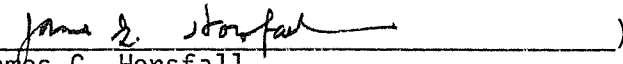
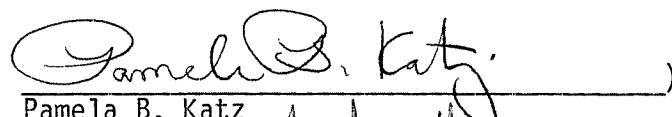
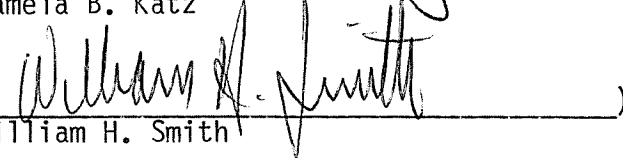

William Barberi  
298 Oronoque Road  
Milford, Connecticut 06460

(service waived)

C E R T I F I C A T I O N

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case or read the record thereof, and that we voted as follows:

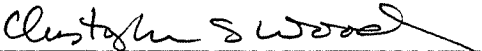
Dated at New Britain, Connecticut, this 14th day of April, 1986.

<u>Council Members</u>	<u>Vote Cast</u>
 Gloria Dibble Pond Chairperson	Yes
_____) Commissioner John Downey Designee: Commissioner Peter G. Boucher	Absent
 Commissioner Stanley Pad Designee: Christopher Cooper	No
 Owen L. Clark	Yes
 Mortimer A. Gelston	Yes
 James G. Horsfall	Yes
 Pamela B. Katz	Yes
 William H. Smith	No
 Colin C. Tait	No

STATE OF CONNECTICUT            )  
  :  
COUNTY OF HARTFORD            )        ss.        New Britain, April 14, 1986

I hereby certify that the foregoing is a true and correct copy of the decision and order issued by the Connecticut Siting Council, State of Connecticut.

ATTEST:

  
\_\_\_\_\_  
Christopher S. Wood, Executive Director  
Connecticut Siting Council

# Attachment 2





# WIRELESS COMMUNICATIONS FACILITY

SITE NAME:  
WEST HAVEN CT

SELF-SUPPORT TOWER  
24 ROCKDALE RD.  
WEST HAVEN, CT 06516

**ANTENNA MODIFICATION**

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

SUBMITTALS

NO	DATE	REVISION
0	11.20.20	REVIEW
1	02.20.21	PERMITTING/CONSTRUCTION

NO DATE DESCRIPTION

DRAWN BY: MRF  
CHECKED BY: DW

PROJECT NAME:  
**ANTMO  
VZS01  
DESIGN EXHIBITS**

SITE NAME:  
**WEST HAVEN CT**

SITE ADDRESS:  
**SELF-SUPPORT TOWER  
24 ROCKDALE RD.  
WEST HAVEN, CT 06516**

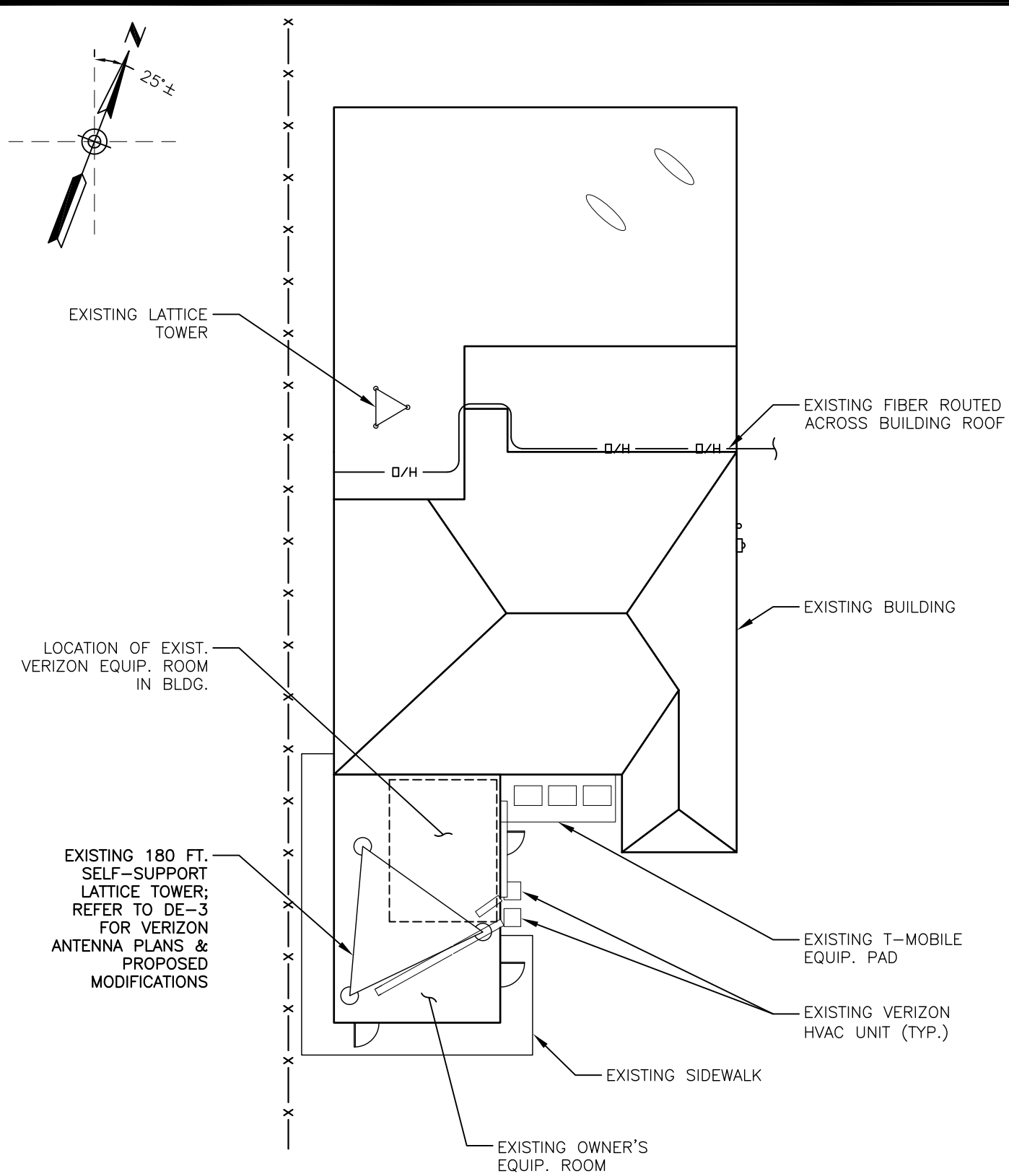
SHEET TITLE:  
**TITLE SHEET**

SHEET NUMBER:  
**DE-1**

PROJECT SUMMARY	
SITE NAME:	WEST HAVEN CT
SITE ADDRESS:	24 ROCKDALE RD. WEST HAVEN, CT 06516
PROPERTY OWNER:	RADIO COMMUNICATIONS CORP. ET AL 24 ROCKDALE RD. WEST HAVEN, CT 06516
TOWER OWNER/MGMT:	RADIO COMMUNICATIONS CORP./KNAPP
PARCEL ID:	059-0120-0-0000
COORDINATES:	41° 17' 26.60" N 72° 58' 03.30" W
VERIZON CONSTRUCTION:	WALTER CHARCZYNSKI (860) 306-1806
VERIZON REAL ESTATE:	ALEX TYURIN (860) 550-3195



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



**1 SITE LAYOUT**  
Scale: 1" = 20'

NOTES:  
 1. SITE LAYOUT IS COMPILED FROM EXISTING DRAWINGS ON FILE WITH THE CT SITING COUNCIL AND A LIMITED DESIGN VISIT ON 9-17-20 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.

- EXISTING VERIZON WIRELESS ANTENNA (TYP.); REFER TO DE-3 FOR PROPOSED MODIFICATIONS
- EXISTING VERIZON ANTENNAS  
EL. 146'-0"± A.G.L.
- EXISTING T-MOBILE ANTENNAS  
EL. 135'-0"± A.G.L.

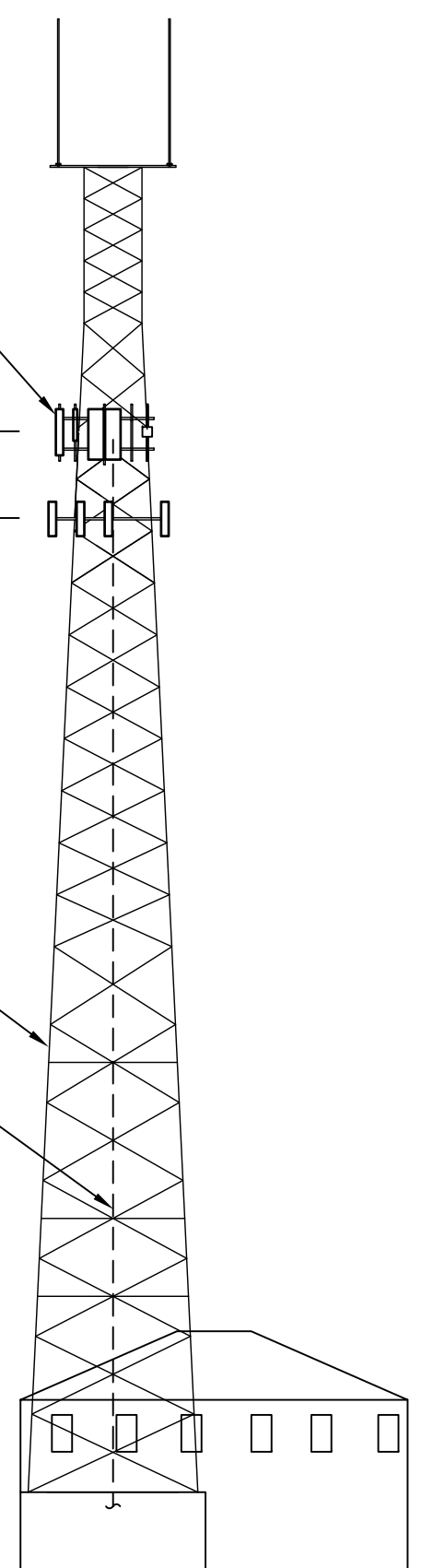
EXISTING 180 FT. SELF-SUPPORT LATTICE TOWER

PROPOSED (1) HYBRID CABLE TO REPLACE EXISTING HYBRID ROUTED UP LATTICE TOWER; EXISTING (1) HYBRID & (6) COAXIAL CABLES TO REMAIN

**6x12 CABLE  
LENGTH: 180 FT.**

NOTE:  
GROUND EQUIPMENT NOT SHOWN FOR CLARITY

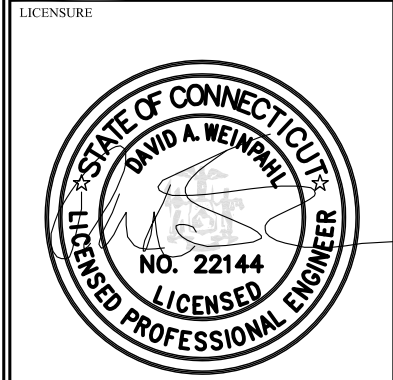
GRADE



**2 ELEVATION**  
Scale: NTS

20 ALEXANDER DRIVE  
WALLINGFORD, CT 06492

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



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NO	DATE	REVIEW
0	11.20.20	REVIEW
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NO	DATE	DESCRIPTION

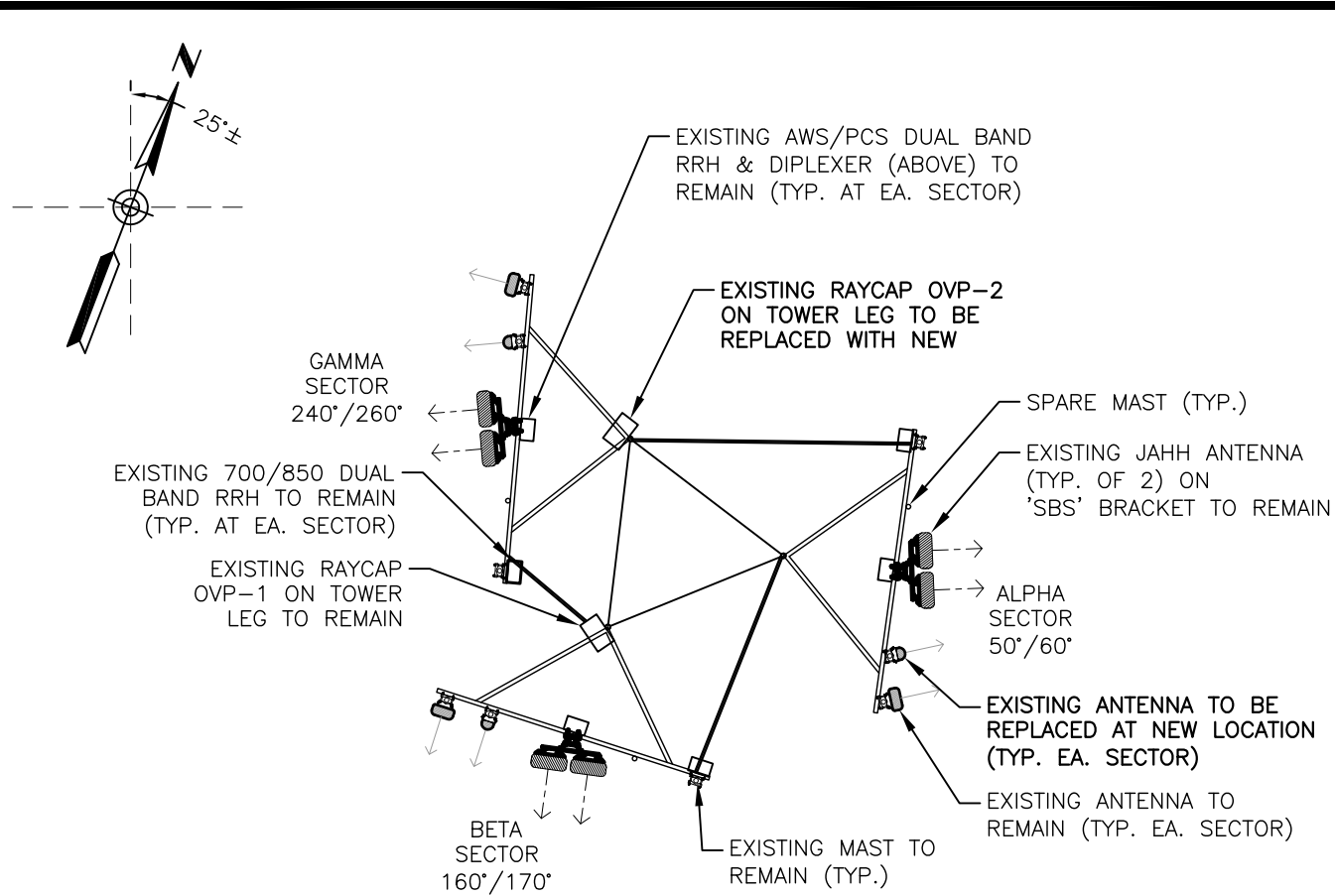
PROJECT NAME:  
**ANTMO  
VZS01  
DESIGN EXHIBITS**

SITE NAME:  
**WEST HAVEN CT**

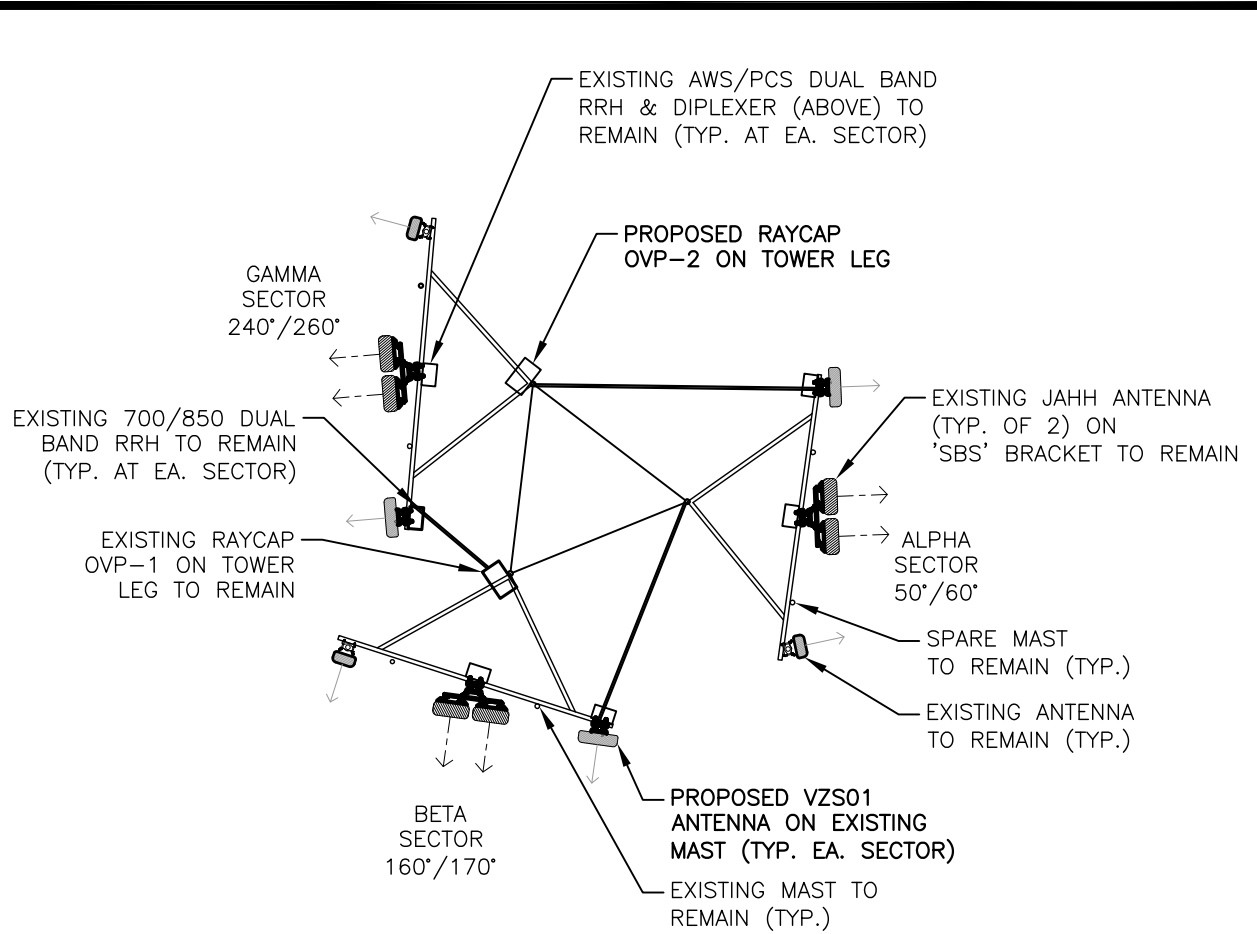
SITE ADDRESS:  
**SELF-SUPPORT TOWER  
24 ROCKDALE RD.  
WEST HAVEN, CT 06516**

SHEET TITLE:  
**SITE LAYOUT  
& ELEVATION**

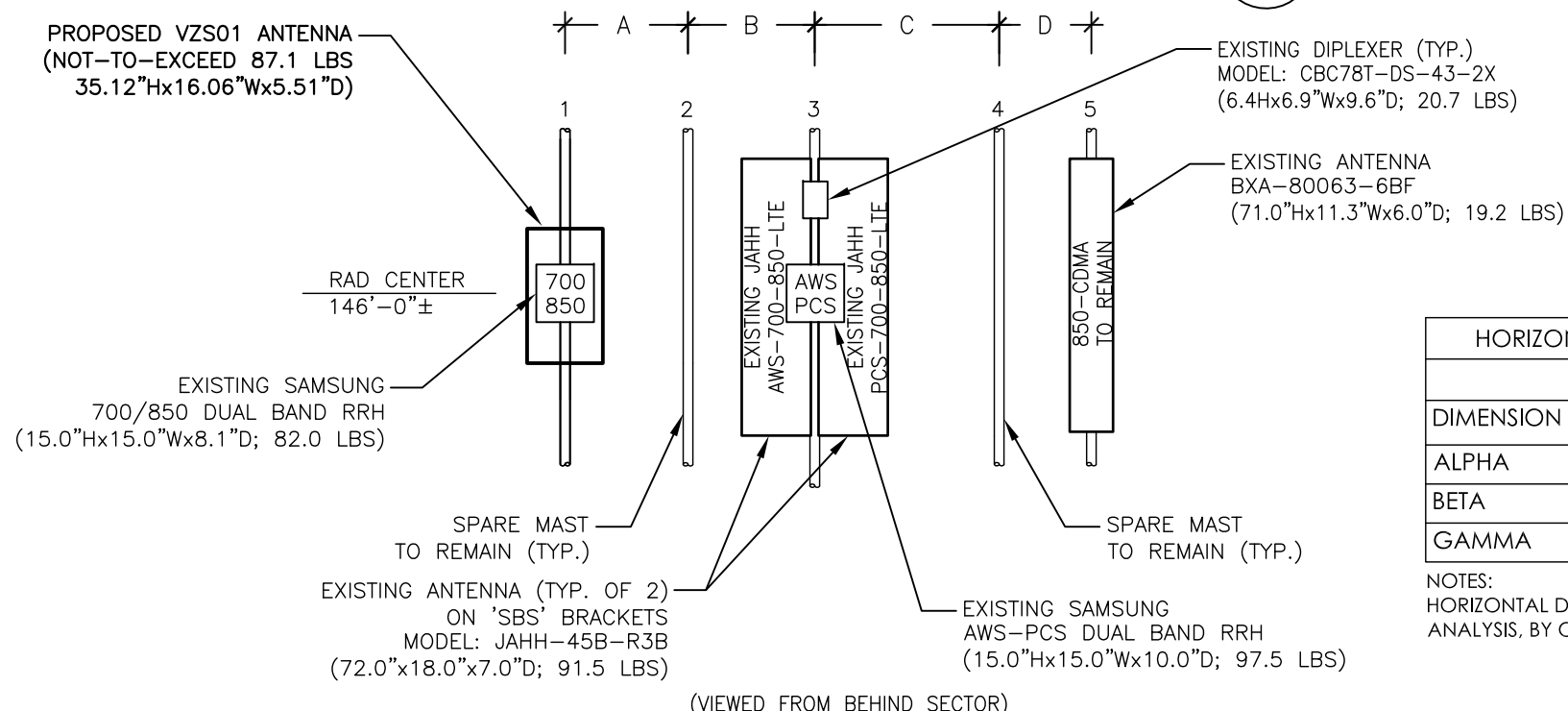
SHEET NUMBER:  
**DE-2**



**1 ANTENNA PLAN @ 146 FT. - EXISTING**  
 Scale: 1/8" = 1'-0"  
 DE-3



**2 ANTENNA PLAN @ 146 FT. - PROPOSED**  
 Scale: 1/8" = 1'-0"  
 DE-3



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

HORIZONTAL MAST SEPARATION				
EXISTING				
DIMENSION	A	B	C	D
ALPHA	2'-1"	3'-6"	3'-9"	1'-11"
BETA	2'-10"	2'-9"	3'-10"	2'-0"
GAMMA	2'-6"	2'-9"	4'-2"	2'-0"

NOTES:  
 HORIZONTAL DIMENSIONS TAKEN FROM MOUNT ANALYSIS, BY OTHERS.



20 ALEXANDER DRIVE  
 WALLINGFORD, CT 06492



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

LICENSURE



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

SUBMITTALS

NO	DATE	REVISION
0	11.20.20	REVIEW
1	02.20.21	PERMITTING/CONSTRUCTION

NO DATE DESCRIPTION

DRAWN BY: MRF

CHECKED BY: DW

PROJECT NAME:

**ANTMO  
 VZS01  
 DESIGN EXHIBITS**

SITE NAME:

**WEST HAVEN CT**

SITE ADDRESS:

**SELF-SUPPORT TOWER  
 24 ROCKDALE RD.  
 WEST HAVEN, CT 06516**

SHEET TITLE:

**ANTENNA PLANS  
 & ELEVATION**

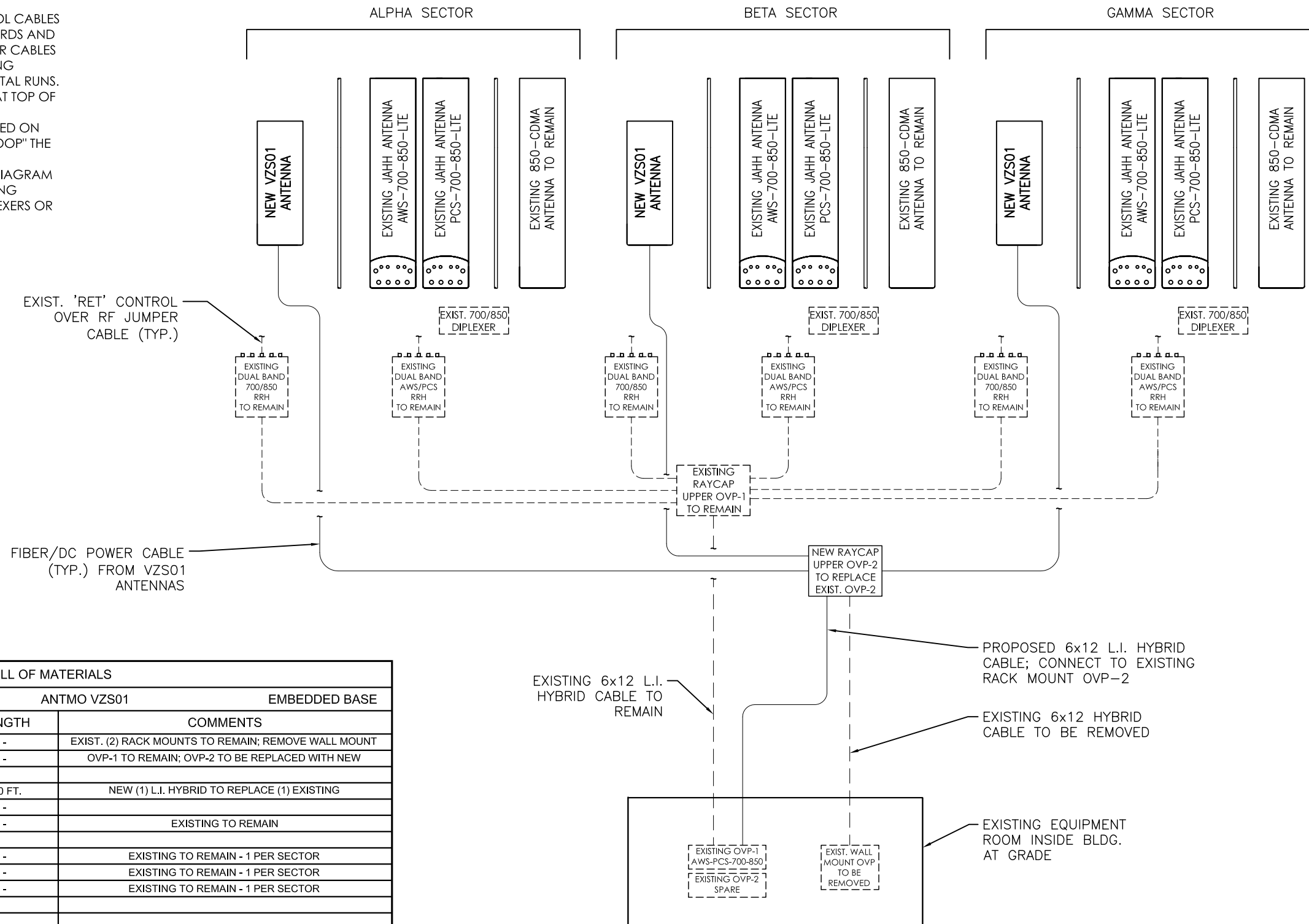
SHEET NUMBER:

**DE-3**

**GENERAL NOTES:**

1. 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.
2. 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.
3. ALL CABLES SHALL BE ROUTED AND SECURED ON STRUCTURAL MEMBERS ONLY - DO NOT "LOOP" THE CABLES IN MID-AIR BETWEEN ANTENNAS
4. 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
SITE NAME: WEST HAVEN CT      ANTMO VZS01      EMBEDDED BASE			
LOWER OVP	-	-	EXIST. (2) RACK MOUNTS TO REMAIN; REMOVE WALL MOUNT
6-CKT. UPPER OVP	1	-	OVP-1 TO REMAIN; OVP-2 TO BE REPLACED WITH NEW
6x12 HYBRID CABLE	1	180 FT.	NEW (1) L.I. HYBRID TO REPLACE (1) EXISTING
RET CONTROL CABLE	-	-	
1/2" JUMPERS	-	-	EXISTING TO REMAIN
AWS/PCS DUAL BAND RRH	-	-	EXISTING TO REMAIN - 1 PER SECTOR
700/850 DUAL BAND RRH	-	-	EXISTING TO REMAIN - 1 PER SECTOR
700/850 DIPLEXER	-	-	EXISTING TO REMAIN - 1 PER SECTOR
VZS01 ANTENNA	3	-	SAMSUNG INTEGRATED - 1 PER SECTOR
JAHH ANTENNA - AWS/700/850-LTE	-	-	EXISTING TO REMAIN - 1 PER SECTOR
JAHH ANTENNA - PCS/700/850-LTE	-	-	EXISTING TO REMAIN - 1 PER SECTOR
SBS BRACKETS	-	-	EXISTING TO REMAIN - 1 PER SECTOR
850-CDMA ANTENNA	-	-	EXISTING TO REMAIN - 1 PER SECTOR

- NOTES:
1. 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.
  2. CONTRACTOR SHALL DETERMINE AND PROVIDE ALL REQUIRED PRE-FAB JUMPER QUANTITIES AND LENGTHS, KEEPING ALL LENGTHS TO A MINIMUM.

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

20 ALEXANDER DRIVE  
WALLINGFORD, CT 06492

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



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

SUBMITTALS		
NO	DATE	REVISION
0	11.20.20	REVIEW
1	02.20.21	PERMITTING/CONSTRUCTION

NO	DATE	DESCRIPTION

PROJECT NAME:  
**ANTMO VZS01 DESIGN EXHIBITS**

SITE NAME:  
**WEST HAVEN CT**

SITE ADDRESS:  
**SELF-SUPPORT TOWER  
24 ROCKDALE RD.  
WEST HAVEN, CT 06516**

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.

**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	DESCRIPTION
0	11.20.20	REVIEW
1	02.20.21	PERMITTING/CONSTRUCTION

NO	DATE	DESCRIPTION

PROJECT NAME:  
**ANTMO  
VZS01  
DESIGN EXHIBITS**

SITE NAME:  
**WEST HAVEN CT**

SITE ADDRESS:  
**SELF-SUPPORT TOWER  
24 ROCKDALE RD.  
WEST HAVEN, CT 06516**

SHEET TITLE:  
**GENERAL  
CONSTRUCTION  
NOTES**

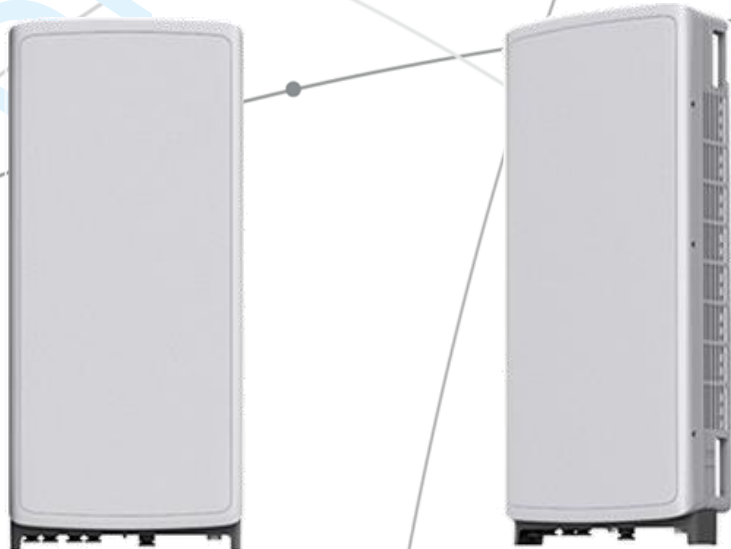
SHEET NUMBER:  
**DE-5**

## **SAMSUNG** C-Band 64T64R Massive MIMO

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

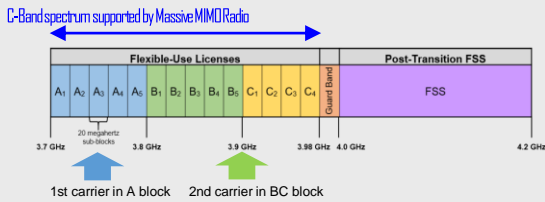


## Points of Differentiation

### Wide Bandwidth

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

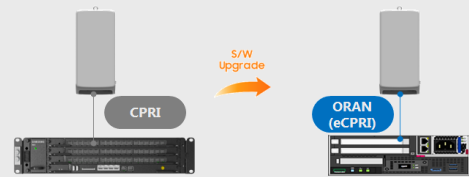
Samsung C-Band massive MIMO Radio uses C-Band 280 MHz spectrum at the same time, so it can cover all the bands the operator can be auctioned.



### Future Proof Product

Samsung C-Band Massive MIMO radio supports eCPRI interface, thus, it can be used as O-RAN Massive MIMO Radio in the future. To provide O-RAN service, operators only need to update software since the hardware is already ready.

With the support of O-RAN, operators can reduce OPEX/CAPEX by increasing compatibility between equipment and get opportunity to design and develop their network with best-in-class solution that interoperate.



### 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 increased user throughput by minimizing interference.



### Well Matched Design

Samsung's 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 48L and 87.1 lbs. This makes it easy to install the Radio.

It is designed to look solid and small, and in particular, the design with wrap around has a thinly looking effect so that it can be harmonized with the surrounding environment when installed.



## Technical Specifications

Item	Specification
Tech	NR
Brand	n77
Frequency Band	3700-3980 MHz
EIRP	78.5dBm (53.0 dBm+25.5 dB)
IBW/OBW	280 MHz / 200 MHz
Installation	Pole/Wall
Size/Weight	16.06 x 35.12 x 5.51 inch (50.95L) / 87.1 lbs

DRAFT

## **About Samsung Electronics Co., Ltd.**

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

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

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# Attachment 3

	General	Power	Density					
<b>Site Name: West Haven</b>								
<b>Tower Height: Verizon @ 146ft</b>								
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	CALC. POWER DENS	FREQ.	MAX. PERMISS. EXP.	FRACTION MPE	Total
Antenna 1	1	500	199	451.175	0.0048	0.3008	0.16%	
Antenna 2	1	500	199	451.975	0.0048	0.3013	0.16%	
Antenna 3	1	500	199	452.275	0.0048	0.3015	0.16%	
Antenna 4	1	500	199	452.8	0.0048	0.3019	0.16%	
Antenna 5	1	500	199	461.075	0.0048	0.3074	0.16%	
Antenna 6	1	500	199	462.475	0.0048	0.3083	0.16%	
Antenna 7	1	500	199	463.5	0.0048	0.3090	0.16%	
Antenna 8	1	500	199	463.875	0.0048	0.3093	0.16%	
Antenna 9	1	500	199	464.7	0.0048	0.3098	0.16%	
Antenna 10	1	500	199	452.975	0.0048	0.3020	0.16%	
Antenna 11	1	500	199	462.05	0.0048	0.3080	0.16%	
Antenna 12	1	500	199	459.075	0.0048	0.3061	0.16%	
Antenna 13	1	1400	199	454.075	0.0135	0.3027	0.45%	
Antenna 14	1	3500	199	929.6625	0.0338	0.6198	0.55%	
Antenna 15	1	3500	199	929.7625	0.0338	0.6198	0.55%	
Antenna 16	1	3500	199	929.7125	0.0338	0.6198	0.55%	
Antenna 17	1	3500	199	940.225	0.0338	0.6268	0.54%	
Antenna 18	1	1500	102	940	0.0585	0.6267	0.93%	
Antenna 19	1	500	199	162	0.0048	0.2000	0.24%	
Antenna 20	1	500	175	13600	0.0063	1.0000	0.06%	
TV Ch. 28	1	3500	178	554	0.0425	0.3693	1.15%	
T-Mobile	2	592	135	600	0.0256	0.4000	0.64%	
T-Mobile	1	1578	135	600	0.0341	0.4000	0.85%	
T-Mobile	2	649	135	700	0.0281	0.4667	0.60%	
T-Mobile	2	1102	135	1900	0.0476	1.0000	0.48%	
T-Mobile	2	2204	135	1900	0.0953	1.0000	0.95%	
T-Mobile	4	1538	135	2100	0.1329	1.0000	1.33%	
T-Mobile	2	6413	135	2500	0.2772	1.0000	2.77%	
T-Mobile	2	6413	135	2500	0.2772	1.0000	2.77%	
T-Mobile	4	1028	135	1900	0.0889	1.0000	0.89%	
T-Mobile	2	2057	135	1900	0.0889	1.0000	0.89%	
T-Mobile	2	1154	135	2100	0.0499	1.0000	0.50%	
<b>VZW 700</b>	<b>4</b>	<b>408</b>	<b>146</b>	<b>0.0029</b>	<b>746</b>	<b>0.4973</b>	<b>1.38%</b>	
<b>VZW Cellular CDMA</b>	<b>2</b>	<b>371</b>	<b>146</b>	<b>0.0012</b>	<b>869</b>	<b>0.5793</b>	<b>0.22%</b>	
<b>VZW Cellular</b>	<b>4</b>	<b>897</b>	<b>146</b>	<b>0.0034</b>	<b>880</b>	<b>0.5827</b>	<b>1.03%</b>	
<b>VZW PCS</b>	<b>4</b>	<b>2215</b>	<b>146</b>	<b>0.0073</b>	<b>1,970</b>	<b>1.0000</b>	<b>1.49%</b>	
<b>VZW AWS</b>	<b>4</b>	<b>2584</b>	<b>146</b>	<b>0.0073</b>	<b>2,145</b>	<b>1.0000</b>	<b>1.74%</b>	
<b>VZW CBAND</b>	<b>1</b>	<b>26002</b>	<b>146</b>	<b>0.0303</b>	<b>3,700</b>	<b>1.0000</b>	<b>4.39%</b>	
								<b>25.45%</b>
* Source: Siting Council								

# Attachment 4

# STRUCTURAL ANALYSIS REPORT

For



On Air Engineering, LLC  
88 Foundry Pond Road  
Cold Spring, NY 10516

Verizon Site Name: West Haven CT  
KM No. 201106.00

180' Self Support Tower  
24 Rockdale Road  
West Haven, CT 06516

Prepared By:



**KM CONSULTING ENGINEERS, INC.**

262 Upper Ferry Rd, Ewing, NJ 08628  
Ph: (609) 538-0400      [www.kmengr.com](http://www.kmengr.com)

November 23, 2020

Prepared to ANSI/TIA-222-G-4 December 2014  
Structural Standard for Antenna Supporting  
Structures and Antennas

**On Air Engineering  
West Haven CT**

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3.0 COMMENTARY.....	5
4.0 ANALYSIS PROCEDURE.....	6
5.0 TOWER ANALYSIS RESULTS.....	7
6.0 RECOMMENDATIONS.....	8
7.0 APPENDIX.....	9
Load Case No. 1: Existing tower superstructure with existing inventory and proposed Verizon Wireless installation.	

## **1.0 EXECUTIVE SUMMARY**

### **Structure**

Tower Manager: Radio Communications, Inc.

Location: 24 Rockdale Road  
West Haven, CT 06516  
41.291205, -72.967881

Manufacturer: Rohn (file no. 20141MF)

### **Equipment**

Existing tower inventory plus the proposed installation are detailed in Section 2.0 "Tower Inventory."

### **Synopsis**

Load Case No. 1: The existing tower superstructure with the current inventory and proposed Verizon installation.

The tower superstructure has sufficient capacity and therefore meets the current TIA standards. The tower superstructure is rated at 87.6% and the base foundation is rated at 53.9%.

## 2.0 TOWER INVENTORY

### DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
20' Dipole	191	Samsung 64T64R MMU (Verizon)	146
10' Whip	183.5	Samsung 64T64R MMU (Verizon)	146
10' Dipole	183	Samsung 64T64R MMU (Verizon)	146
10' Whip	182.5	(2) CBC78T-DS-43-2X (Verizon)	146
6' Yagi	182	(2) CBC78T-DS-43-2X (Verizon)	146
PG1N0F-0090-310	182	(2) CBC78T-DS-43-2X (Verizon)	146
16' Whip	182	Stand-Of T-Frame (Verizon)	143.5
6' Yagi	182	Stand-Of T-Frame (Verizon)	143.5
21' Whip	182	Stand-Of T-Frame (Verizon)	143.5
21' Whip	181.5	Radio 4449 B71/B85 (T-Mobile)	135
21' Whip	181.5	Radio 4449 B71/B85 (T-Mobile)	135
20' Dipole	181.5	AP259015-52	135
14' Inverted Whip	180 - 166	AIR6449 B41 (T-Mobile)	135
Top Platform	180	AIR6449 B41 (T-Mobile)	135
10' Inverted Whip	180 - 170	AIR6449 B41 (T-Mobile)	135
TMA	180	Radio 4415 B25 (T-Mobile)	135
TMA	180	Radio 4415 B25 (T-Mobile)	135
(2) Scala Panels	175.5	Radio 4415 B25 (T-Mobile)	135
Raycap (Verizon)	148.5	Stand-Of T-Frame (T-Mobile)	135
RHSDC-3315-PF-48 (Verizon)	148.5	Stand-Of T-Frame (T-Mobile)	135
B5/B13 Dual Band RRH (Verizon)	146	AIR 32 E2a/B66Aa (T-Mobile)	135
B5/B13 Dual Band RRH (Verizon)	146	AIR 32 E2a/B66Aa (T-Mobile)	135
B5/B13 Dual Band RRH (Verizon)	146	AIR 32 E2a/B66Aa (T-Mobile)	135
B2/B66a Dual Band RRH (Verizon)	146	AIR 3246 B66 (T-Mobile)	135
B2/B66a Dual Band RRH (Verizon)	146	AIR 3246 B66 (T-Mobile)	135
B2/B66a Dual Band RRH (Verizon)	146	AIR 3246 B66 (T-Mobile)	135
BSAMNT-SBS-2-3 (Verizon)	146	APXVAARR24_43-U-NA20 (T-Mobile)	135
BSAMNT-SBS-2-3 (Verizon)	146	APXVAARR24_43-U-NA20 (T-Mobile)	135
BSAMNT-SBS-2-3 (Verizon)	146	APXVAARR24_43-U-NA20 (T-Mobile)	135
(2) JAHH-45B-R3B (Verizon)	146	Stand-Of T-Frame (T-Mobile)	135
(2) JAHH-45B-R3B (Verizon)	146	Radio 4449 B71/B85 (T-Mobile)	135
(2) JAHH-45B-R3B (Verizon)	146	IBR1300	125
BXA-80063-6BF-EDIN-6 (Verizon)	146	Empty Mount	103
BXA-80063-6BF-EDIN-6 (Verizon)	146	2' yagi	102.5
BXA-80063-6BF-EDIN-6 (Verizon)	146	GPS	59.5
(2) 8' pipe mount	146	(2) GPS	18
(2) 8' pipe mount	146	(2) GPS	17.67
(2) 8' pipe mount	146		

#### **Proposed Verizon Loading:**

##### *Addition of:*

- \* (3) Samsung 64T64R MMU panel antennas @ 146' AGL
- \* (3) VZS01 RRH's @ 146' AGL
- \* (1) RHSDC-3315-PF-48 OVP @ 146' AGL
- \* (1) 1-5/8" 6x12 hybrid cable up to 146' AGL

##### *Removal of:*

- \* (3) BXA-171063-8BF-EDIN-0 panel antennas @ 146' AGL
- \* (1) OVP surge protector @ 148.5' AGL
- \* (1) 1-5/8" hybrid cable up to 146' AGL

### **3.0 COMMENTARY**

Our scope of work is to determine if the existing structure is capable of withstanding the additional stresses/forces imposed by the installation of the proposed Verizon equipment noted in the tower inventory.

Tower structure information and foundation information was obtained from previous structural analyses by KMCE. The tower has been reinforced as per KMCE drawings in November 1997, July 2002, January 2009, August 2012, and December 2014. The existing tower inventory was determined from a tower climb and mapping completed on February 16, 2015. The proposed loading was obtained from an RFDS dated 10/23/20 and a mount analysis by Maser Consulting Connecticut, dated 11/10/20, and from correspondence with the client.

The following report will provide analytical calculations and commentary regarding the capacity of the proposed tower and subsequent recommendations.



## **4.0 ANALYSIS PROCEDURE**

KM Consulting Engineers, Inc. carried out their structural analysis by correlating field inspection and tower member data into proprietary software designed specifically for communication tower analysis.

These programs run in conjunction with the guidelines set down in the ANSI/TIA-222-G Standard entitled "Structural Standard for Antenna Supporting Structures and Antennas."

The existing tower is analyzed by placing wind forces on the structure in 30° positional increments around the tower (i.e. wind pressure directly onto the tower corners, faces and parallel to the faces). This enables the user to "create" a three-dimensional representation, yielding results for worst case scenarios. In effect, the production of these results allows the user to study the structural integrity of the tower when influenced by wind forces from any direction.

The proceeding report includes analysis for the tower with the addition of antennas in the scenarios stated. For clarity, the analysis shall include worst case loadings and a typical elevation view with maximum foundation loads tabulated.

Should the client require to be furnished with a full copy of our analysis, we will gladly do so (approximately 80 pages).

### **Codes and Standards**

ACI - American Concrete Institute - *Building Code Requirements for Structural Concrete (ACI 318-14)*, 2014

AISC - American Institute of Steel Construction - *Manual of Steel Construction, 14th Edition*, 2011

TIA - Telecommunications Industry Association - *ANSI/TIA-222-G-4 Structural Standard for Antenna Supporting Structures and Antennas*, 2014

CSBC - Connecticut State Building Code 2018

ASCE - *Minimum Design Loads for Buildings and Other Structures (ASCE/SEI 7-10)*, 2010

## **5.0 TOWER ANALYSIS RESULTS**

The tower was analyzed for the inventory detailed in Section 2.0 “Tower Inventory”.

The basic wind speed of 97 MPH with no radial ice is in accordance with ANSI/TIA-222-G is taken from Appendix N in the 2018 Connecticut State Building Code for the nominal design wind speed for the municipality of West Haven, CT. The basic wind speed of 50 MPH concurrent with ¾” design ice thickness is taken from the ANSI/TIA-222-G listing applicable for New Haven County, CT. Additional criteria include Structure Class II, Exposure Category B, and Topographic Category 1.

All allowable capacities have been calculated to comply with the permitted EIA allowable increases (for wind). All bolts loaded in shear assume the threads **are included** in the shear plane.

**Load Case No. 1:** Proposed Verizon addition of (3) Samsung 64T64R MMU panel antennas, (3) VZS01 RRH's, (1) RHSDC-3315-PF-48 OVP, and (1) 1-5/8” 6x12 hybrid cable, and the removal of (3) BXA-171063-8BF-EDIN-0 panel antennas, (1) OVP surge protector, and (1) 1-5/8” hybrid cable.

The tower superstructure has sufficient capacity and therefore meets the current TIA standards. The tower superstructure is rated at 87.6% and the base foundation is rated at 53.9%.

<b>Foundation Capacity</b>		
Actual Uplift	Allowable Uplift	% Use
206.9 kips	384 kips	<b>53.9%</b>

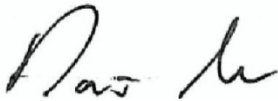
## **6.0 RECOMMENDATIONS**

Further to our calculations, we conclude that the tower superstructure has adequate capacity and therefore meets the current ANSI/TIA-222-G design standards. The tower is acceptable to support the proposed Verizon Wireless installation.

Please do not hesitate to contact our office with any questions or concerns regarding this report.

Sincerely,  
**KM CONSULTING ENGINEERS, INC**

Reviewed and Approved by:



Domenic Aversa, PE  
Project Manager



Michael L. Bohlinger, PE  
Principal  
CT License No. 20405

11/23/20

## **7.0 APPENDIX**

## **LOAD CASE 1**

### DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
20' Dipole	191	Samsung 64T64R MMU (Verizon)	146
10' Whip	183.5	Samsung 64T64R MMU (Verizon)	146
10' Dipole	183	Samsung 64T64R MMU (Verizon)	146
10' Whip	182.5	(2) CBC78T-DS-43-2X (Verizon)	146
6' Yagi	182	(2) CBC78T-DS-43-2X (Verizon)	146
PG1N0F-0090-310	182	(2) CBC78T-DS-43-2X (Verizon)	146
16' Whip	182	Stand-Off T-Frame (Verizon)	143.5
6' Yagi	182	Stand-Off T-Frame (Verizon)	143.5
21' Whip	182	Stand-Off T-Frame (Verizon)	143.5
21' Whip	181.5	Radio 4449 B71/B85 (T-Mobile)	135
21' Whip	181.5	Radio 4449 B71/B85 (T-Mobile)	135
20' Dipole	181.5	AP259015-52	135
14' Inverted Whip	180 - 166	AIR6449 B41 (T-Mobile)	135
Top Platform	180	AIR6449 B41 (T-Mobile)	135
10' Inverted Whip	180 - 170	AIR6449 B41 (T-Mobile)	135
TMA	180	Radio 4415 B25 (T-Mobile)	135
TMA	180	Radio 4415 B25 (T-Mobile)	135
(2) Scala Panels	175.5	Radio 4415 B25 (T-Mobile)	135
Raycap (Verizon)	148.5	Stand-Off T-Frame (T-Mobile)	135
RHSDC-3315-PF-48 (Verizon)	148.5	Stand-Off T-Frame (T-Mobile)	135
B5/B13 Dual Band RRH (Verizon)	146	AIR 32 B2a/B66Aa (T-Mobile)	135
B5/B13 Dual Band RRH (Verizon)	146	AIR 32 B2a/B66Aa (T-Mobile)	135
B5/B13 Dual Band RRH (Verizon)	146	AIR 32 B2a/B66Aa (T-Mobile)	135
B2/B66a Dual Band RRH (Verizon)	146	AIR 3246 B66 (T-Mobile)	135
B2/B66a Dual Band RRH (Verizon)	146	AIR 3246 B66 (T-Mobile)	135
B2/B66a Dual Band RRH (Verizon)	146	AIR 3246 B66 (T-Mobile)	135
BSAMNT-SBS-2-3 (Verizon)	146	APXVAARR24_43-U-NA20 (T-Mobile)	135
BSAMNT-SBS-2-3 (Verizon)	146	APXVAARR24_43-U-NA20 (T-Mobile)	135
BSAMNT-SBS-2-3 (Verizon)	146	APXVAARR24_43-U-NA20 (T-Mobile)	135
(2) JAHH-45B-R3B (Verizon)	146	Stand-Off T-Frame (T-Mobile)	135
(2) JAHH-45B-R3B (Verizon)	146	Radio 4449 B71/B85 (T-Mobile)	135
(2) JAHH-45B-R3B (Verizon)	146	IBR1300	125
BXA-80063-6BF-EDIN-6 (Verizon)	146	Empty Mount	103
BXA-80063-6BF-EDIN-6 (Verizon)	146	2' yagi	102.5
BXA-80063-6BF-EDIN-6 (Verizon)	146	GPS	59.5
(2) 8' pipe mount	146	(2) GPS	18
(2) 8' pipe mount	146	(2) GPS	17.67
(2) 8' pipe mount	146		

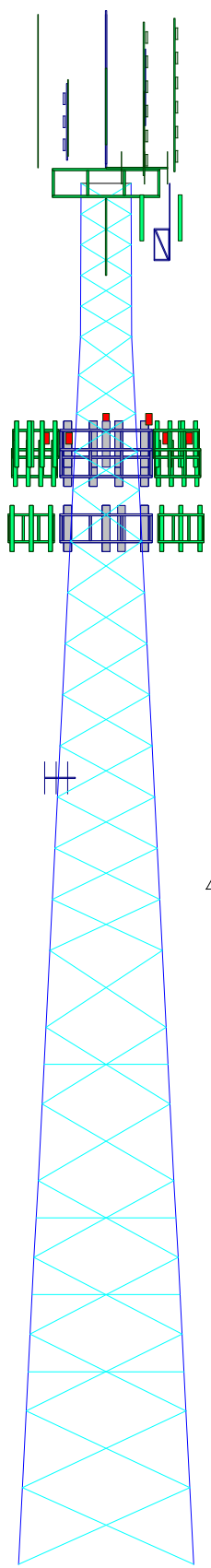
### SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	ROHN 2.5 STD (GR) w/ 5/8" Cable	F	ROHN 6 EH (GR) w/ 5/8" Cable (GR)
B	ROHN 2.5 X-STR (GR) w/ 5/8" Cable	G	L2x2x1/8 w/1.5" sch 40 pipe
C	ROHN 3 X-STR (GR) w/ 5/8" Cable	H	L2 1/2x2 1/2x3/16
D	ROHN 4 X-STR (GR) w/ 5/8" Cable	I	L3.5x3.5x1/4 w/ 2x1/4 plate
E	ROHN 5 STD (GR) w/ 5/8" Cable	J	L3 1/2x3 1/2x1/4

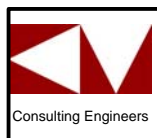
### MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi			

180.0 ft  
160.0 ft  
140.0 ft  
120.0 ft  
113.3 ft  
106.7 ft  
100.0 ft  
80.0 ft  
70.0 ft  
60.0 ft  
50.0 ft  
40.0 ft  
30.0 ft  
20.0 ft  
0.0 ft



Section	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14
Legs	ROHN 2 STD (GR)	A	B		C		D	E						
Leg Grade							A572-50							
Diagonals	L1 3/4x1 3/4x1/8		G		H		L3 1/2x3 1/2x1/4							
Diagonal Grade							A572-50							
Top Girts	L3x3x1/4													
Sec. Horizontals			N.A.						J	N.A.				
Face Width (ft)	6.5	6.6	8.625	10.65	11.325	12	12.675	14.7	15.7125	16.725	17.7375	18.75	19.7625	20.775
# Panels @ (ft)	5 @ 4	4 @ 5	9 @ 6.66667	9 @ 6.66667	9 @ 6.66667	9 @ 6.66667	9 @ 6.66667	9 @ 6.66667	9 @ 6.66667	9 @ 6.66667	9 @ 6.66667	9 @ 6.66667	9 @ 6.66667	9 @ 6.66667
Weight (lb)	806.2	890.1	1635.6	537.1	547.8	712.7	2096.0	1378.2	1790.1	1561.2	1906.1	2159.1	2216.3	9783.7



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Ewing, NJ 08628  
Phone: (609) 538-0400  
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Job: <b>West Haven 180' Self-Support Tower</b>		
Project: <b>201106.00</b>		
Client: <b>On Air Engineering</b>	Drawn by: <b>DCA</b>	App'd:
Code: <b>TIA-222-G</b>	Date: <b>11/23/20</b>	Scale: <b>NTS</b>
Path: K:\On Air Engineering\West Haven\Engineering\West Haven LC1.eri		Dwg No. <b>E-1</b>

**SYMBOL LIST**

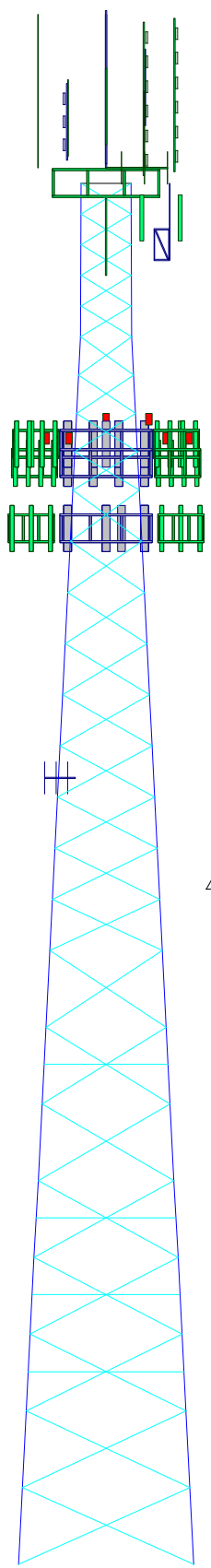
MARK	SIZE	MARK	SIZE
A	ROHN 2.5 STD (GR) w/ 5/8" Cable	F	ROHN 6 EH (GR) w/ 5/8" Cable (GR)
B	ROHN 2.5 X-STR (GR) w/ 5/8" Cable	G	L2x2x1/8 w/1.5" sch 40 pipe
C	ROHN 3 X-STR (GR) w/ 5/8" Cable	H	L2 1/2x2 1/2x3/16
D	ROHN 4 X-STR (GR) w/ 5/8" Cable	I	L3.5x3.5x1/4 w/ 2x1/4 plate
E	ROHN 5 STD (GR) w/ 5/8" Cable	J	L3 1/2x3 1/2x1/4

**MATERIAL STRENGTH**

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi			

**TOWER DESIGN NOTES**

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-G Standard.
3. Tower designed for a 97 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 50 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Structure Class II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. Grouted pipe f'c is 8 ksi
9. Tower legs have 5/8" diameter stainless steel cable(40K tension) in grouted leg.
10. TOWER RATING: 87.6%

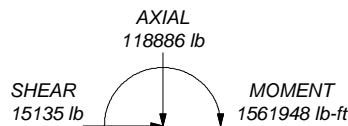


ALL REACTIONS ARE FACTORED

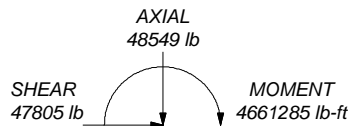
MAX. CORNER REACTIONS AT BASE:

DOWN: 252252 lb  
SHEAR: 29762 lb

UPLIFT: -206921 lb  
SHEAR: 24592 lb



TORQUE 13528 lb-ft  
50 mph WIND - 0.7500 in ICE



TORQUE 28884 lb-ft  
REACTIONS - 97 mph WIND

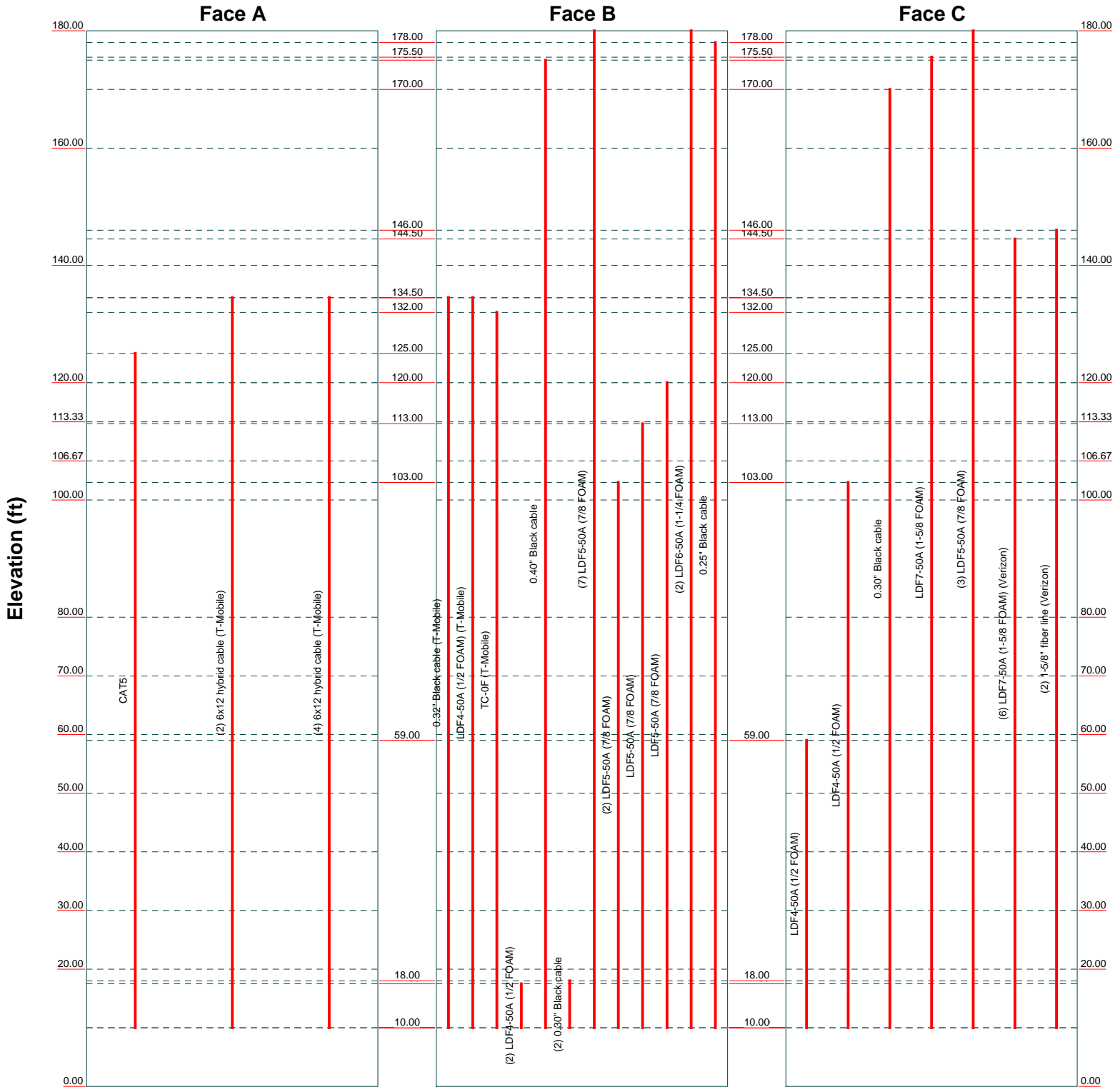
Section	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14
Legs	ROHN 2 STD (GR)	A	B	C	D	E	F							
Leg Grade							A572-50							
Diagonals	L1 1/2x1 1/2x1/8	L1 3/4x1 3/4x1/8	G	H			L3 1/2x3 1/2x1/4							
Diagonal Grade							A572-50							
Top Girts	L3x3x1/4						N.A.							
Sec. Horizontals			N.A.		J		L3 1/2x3 1/2x1/4	N.A.						
Face Width (ft)	6.5	6.6	8.625	10.65	11.325	12	14.7	15.7125	16.725	17.7375	18.75	19.7625	20.775	
# Panels @ (ft)	5 @ 4	4 @ 5	890.1	6.66667	537.1	9 @ 6.66667	8 @ 10	1790.1	1561.2	1906.1	2159.1	2216.3	9793.7	
Weight (lb)	906.2		1635.6		547.8	712.7	2096.0	1378.2	1561.2	1906.1	2159.1	2216.3	9793.7	

<p>Consulting Engineers</p>	<p><b>KM Consulting Engineers, Inc.</b> 262 Upper Ferry Road Ewing, NJ 08628 Phone: (609) 538-0400 FAX:</p>	<p>Job: <b>West Haven 180' Self-Support Tower</b></p>		
		<p>Project: <b>201106.00</b></p>	<p>Client: <b>On Air Engineering</b></p>	<p>Drawn by: <b>DCA</b></p>
		<p>Code: <b>TIA-222-G</b></p>	<p>Date: <b>11/23/20</b></p>	<p>Scale: <b>NTS</b></p>
		<p>Path: K:\On Air Engineering\West Haven\Engineering\West Haven LC1.eri</p>		
				<p>Dwg No. <b>E-1</b></p>

# Feed Line Distribution Chart

## 0' - 180'

— Round   
 — Flat   
 — App In Face   
 — App Out Face   
 — Truss Leg



**KM Consulting Engineers, Inc.**  
 262 Upper Ferry Road  
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Project: **201106.00**

Client: **On Air Engineering**

Drawn by: **DCA**

App'd:

Code: **TIA-222-G**

Date: **11/23/20**

Scale: **NTS**

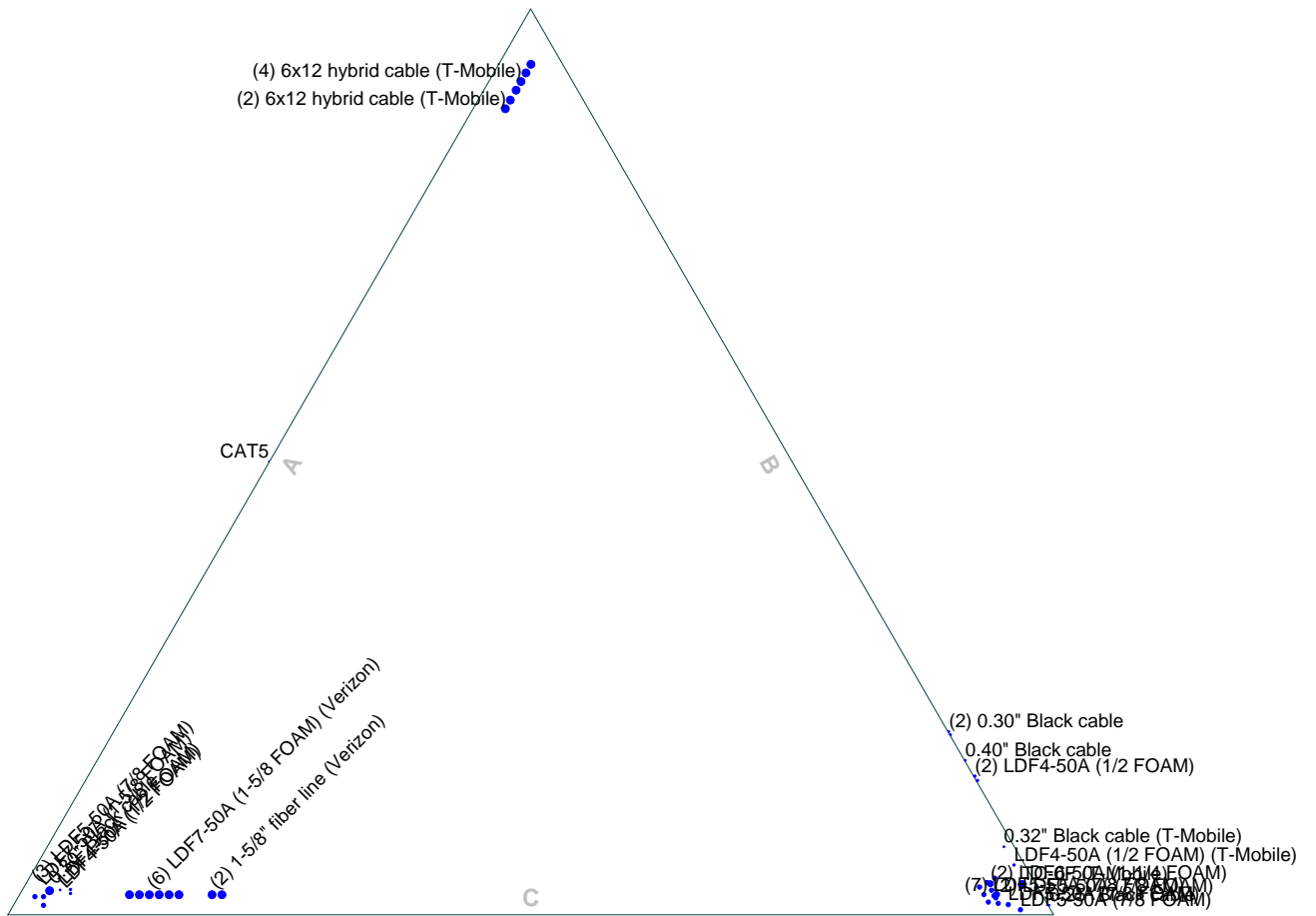
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Dwg No. **E-7**



# Feed Line Plan

Round Flat App In Face App Out Face

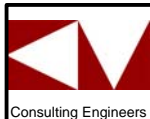
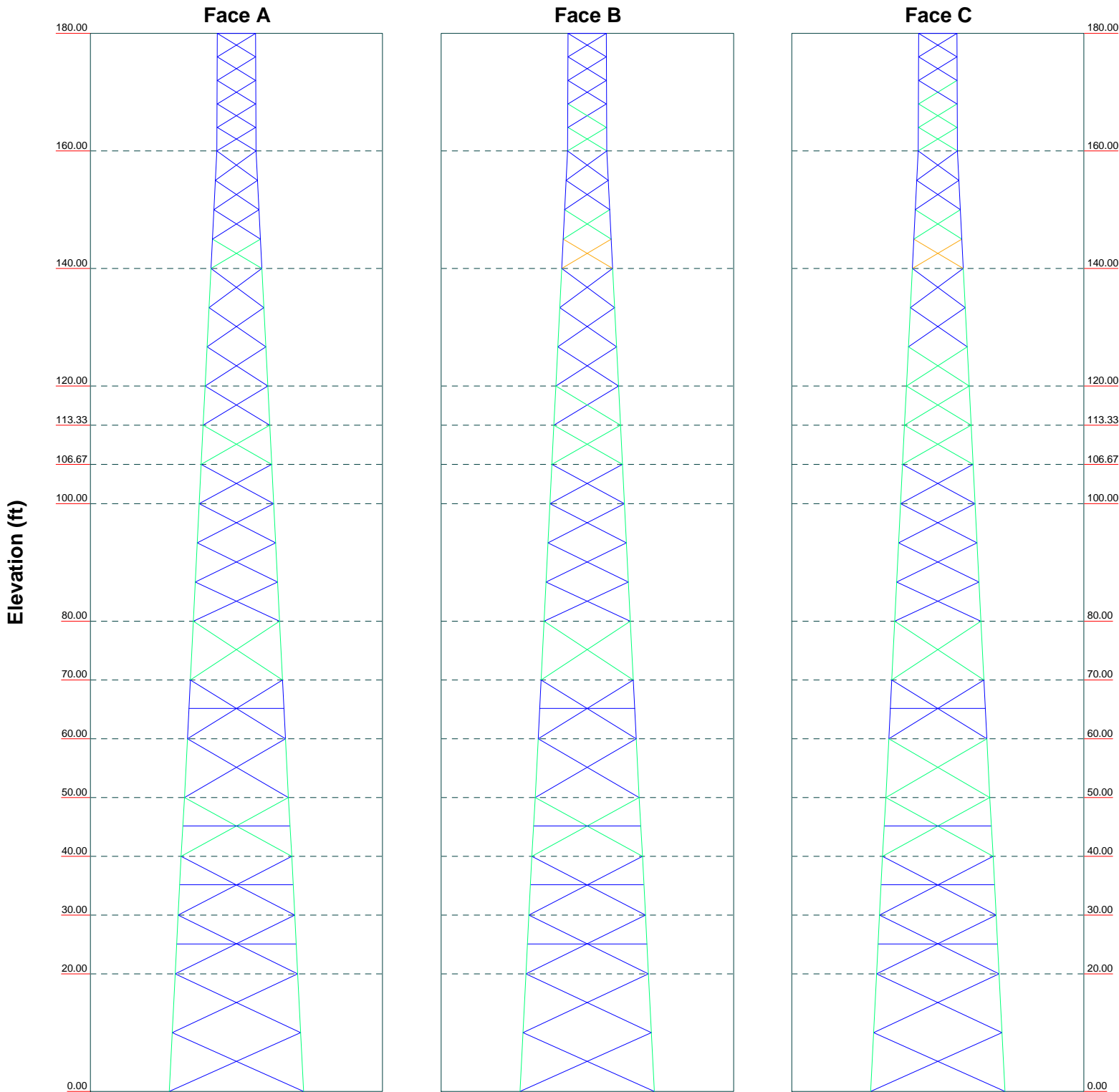


 Consulting Engineers	<b>KM Consulting Engineers, Inc.</b> 262 Upper Ferry Road Ewing, NJ 08628 Phone: (609) 538-0400 FAX:		Job: <b>West Haven 180' Self-Support Tower</b>		
	Project: <b>201106.00</b>				
	Client: <b>On Air Engineering</b>		Drawn by: <b>DCA</b>	App'd:	
	Code: <b>TIA-222-G</b>		Date: <b>11/23/20</b>	Scale: <b>NTS</b>	
	Path: <b>K:\On Air Engineering\West Haven\Engineering\West Haven LC1.eri</b>			Dwg No. <b>E-7</b>	

# Stress Distribution Chart

0' - 180'

■ > 100% 
 ■ 90%-100% 
 ■ 75%-90% 
 ■ 50%-75% 
 ■ < 50% Overstress



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Project: <b>201106.00</b>		
Client: <b>On Air Engineering</b>	Drawn by: <b>DCA</b>	App'd:
Code: <b>TIA-222-G</b>	Date: <b>11/23/20</b>	Scale: <b>NTS</b>
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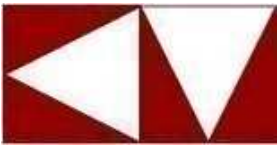
<b>tnxTower</b>  <b>KM Consulting Engineers, Inc.</b> 262 Upper Ferry Road Ewing, NJ 08628 Phone: (609) 538-0400 FAX:	<b>Job</b>	West Haven 180' Self-Support Tower	<b>Page</b>	48 of 49
	<b>Project</b>	201106.00	<b>Date</b>	10:09:41 11/23/20
	<b>Client</b>	On Air Engineering	<b>Designed by</b>	DCA

### Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	$\phi P_{allow}$ lb	% Capacity	Pass Fail
T1	180 - 160	Leg	ROHN 2 STD (GR)	2	-16513.40	47357.40	34.9	Pass
		Diagonal	L1 1/2x1 1/2x1/8	7	-2571.55	4237.09	60.7	Pass
T2	160 - 140	Top Girt	L3x3x1/4	4	-348.02	20560.00	1.7	Pass
		Leg	ROHN 2.5 STD (GR) w/ 5/8" Cable	38	-33935.80	85040.70	39.9	Pass
T3	140 - 120	Diagonal	L1 3/4x1 3/4x1/8	40	-3663.68	4183.54	87.6	Pass
		Leg	ROHN 2.5 X-STR (GR) w/ 5/8" Cable	65	-62300.20	89416.30	69.7	Pass
T4	120 - 113.333	Diagonal	L2x2x1/8 w/1.5" sch 40 pipe	67	-5709.91	10828.00	52.7	Pass
		Leg	ROHN 3 X-STR (GR) w/ 5/8" Cable	86	-71947.40	124199.00	57.9	Pass
T5	113.333 - 106.667	Diagonal	L2 1/2x2 1/2x3/16	88	-5830.41	10126.70	57.6	Pass
		Leg	ROHN 3 X-STR (GR) w/ 5/8" Cable	95	-82009.40	124199.00	66.0	Pass
T6	106.667 - 100	Diagonal	L2 1/2x2 1/2x3/16	97	-6023.01	9436.58	63.8	Pass
		Leg	ROHN 3 X-STR (GR) w/ 5/8" Cable	104	-91623.00	124199.00	73.8	Pass
T7	100 - 80	Diagonal	L3x3x1/4	106	-6329.12	18704.30	33.8	Pass
		Leg	ROHN 4 X-STR (GR) w/ 5/8" Cable	113	-122102.00	225464.00	54.2	Pass
T8	80 - 70	Diagonal	L3x3x1/4	115	-7030.35	15584.40	45.1	Pass
		Leg	ROHN 5 STD (GR) w/ 5/8" Cable	134	-134534.00	253652.00	53.0	Pass
T9	70 - 60	Diagonal	L3x3x1/4	137	-8130.25	12316.40	66.0	Pass
		Leg	ROHN 5 STD (GR) w/ 5/8" Cable	143	-149829.00	335317.00	44.7	Pass
T10	60 - 50	Diagonal	L3 1/2x3 1/2x1/4	146	-8643.64	17388.70	49.7	Pass
		Secondary Horizontal	L3 1/2x3 1/2x1/4	151	-2598.44	16359.70	15.9	Pass
T11	50 - 40	Leg	ROHN 5 X-STR (GR) w/ 5/8" Cable	155	-165583.00	262883.00	63.0	Pass
		Diagonal	L3 1/2x3 1/2x1/4	157	-8783.35	16180.50	54.3	Pass
T12	40 - 30	Leg	ROHN 5 X-STR (GR) w/ 5/8" Cable	164	-180643.00	347755.00	51.9	Pass
		Diagonal	L3 1/2x3 1/2x1/4	167	-9495.91	15078.40	63.0	Pass
T13	30 - 20	Secondary Horizontal	L3 1/2x3 1/2x1/4	172	-3132.83	13774.00	22.7	Pass
		Leg	ROHN 5 X-STR (GR) w/ 5/8" Cable	176	-196486.00	347854.00	56.5	Pass
T14	20 - 0	Diagonal	L3.5x3.5x1/4 w/ 2x1/4 plate	179	-9716.31	34444.50	28.2	Pass
		Secondary Horizontal	L3 1/2x3 1/2x1/4	185	-3407.58	12705.40	26.8	Pass
T13	30 - 20	Leg	ROHN 5 X-STR (GR) w/ 5/8" Cable	188	-211858.00	347943.00	60.9	Pass
		Diagonal	L3.5x3.5x1/4 w/ 2x1/4 plate	191	-10135.70	31753.50	31.9	Pass
T14	20 - 0	Secondary Horizontal	L3 1/2x3 1/2x1/4	196	-3674.19	11756.50	31.3	Pass
		Leg	ROHN 6 EH (GR) w/ 5/8" Cable (GR)	200	-244447.00	397313.00	61.5	Pass
		Diagonal	4x4x1/4 w/ sch 40	203	-10620.20	77127.90	13.8	Pass
							21.4 (b)	
							Summary	
							Leg (T6)	Pass
							Diagonal (T2)	Pass
							Secondary Horizontal (T13)	Pass

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	<b>Project</b> 201106.00	<b>Date</b> 10:09:41 11/23/20
	<b>Client</b> On Air Engineering	<b>Designed by</b> DCA

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	$\phi P_{allow}$ lb	% Capacity	Pass Fail
						Top Girt (T1)	1.7	Pass
						Bolt Checks	46.1	Pass
						<b>RATING =</b>	<b>87.6</b>	<b>Pass</b>

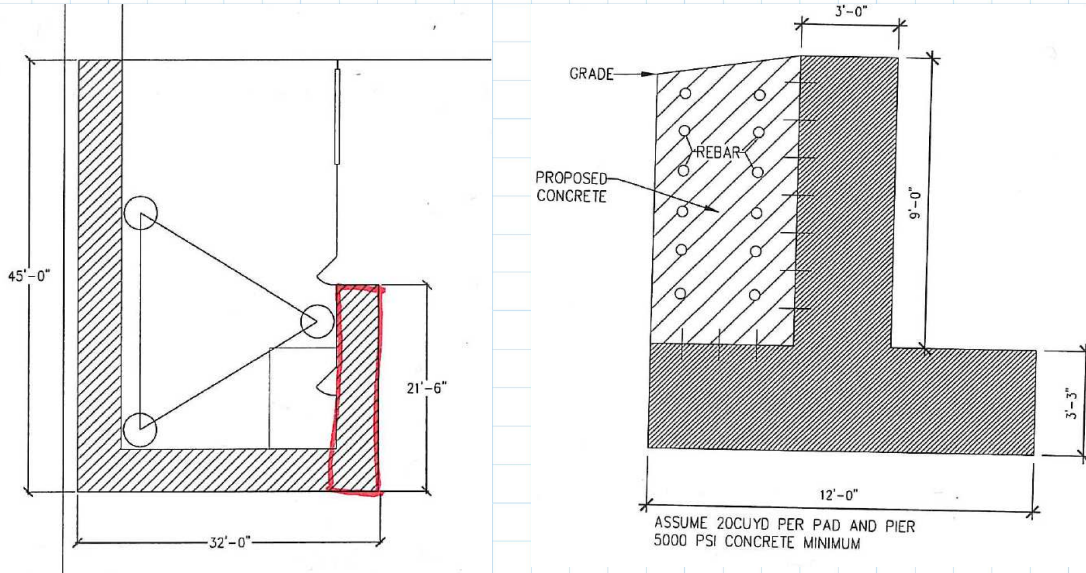


## Foundation Calculations

Allowable uplift prior to reinforcement: 467.96 k

Actual uplift from analysis: Actual := 305.55 k

Proposed Reinforcement:



Assume section marked in red as minimum supporting max corner reaction

$$\text{Volume} := 21.5 \cdot 4.5 \cdot 9 = 870.75 \text{ ft}^3 \text{ concrete}$$

$$\text{Weight} := 50 \frac{\text{lb}}{\text{ft}^3} \quad (150 \text{ lb/ft}^3 \text{ concrete} - 100 \text{ lb/ft}^3 \text{ soil})$$

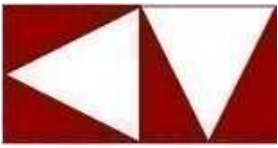
$$\text{Resistance} := \frac{\text{Volume} \cdot \text{Weight}}{1000} = 43.54 \text{ k}$$

$$\text{Total} := \text{Resistance} + 467.96 = 511.5 \text{ k}$$

$$\phi := 0.75$$

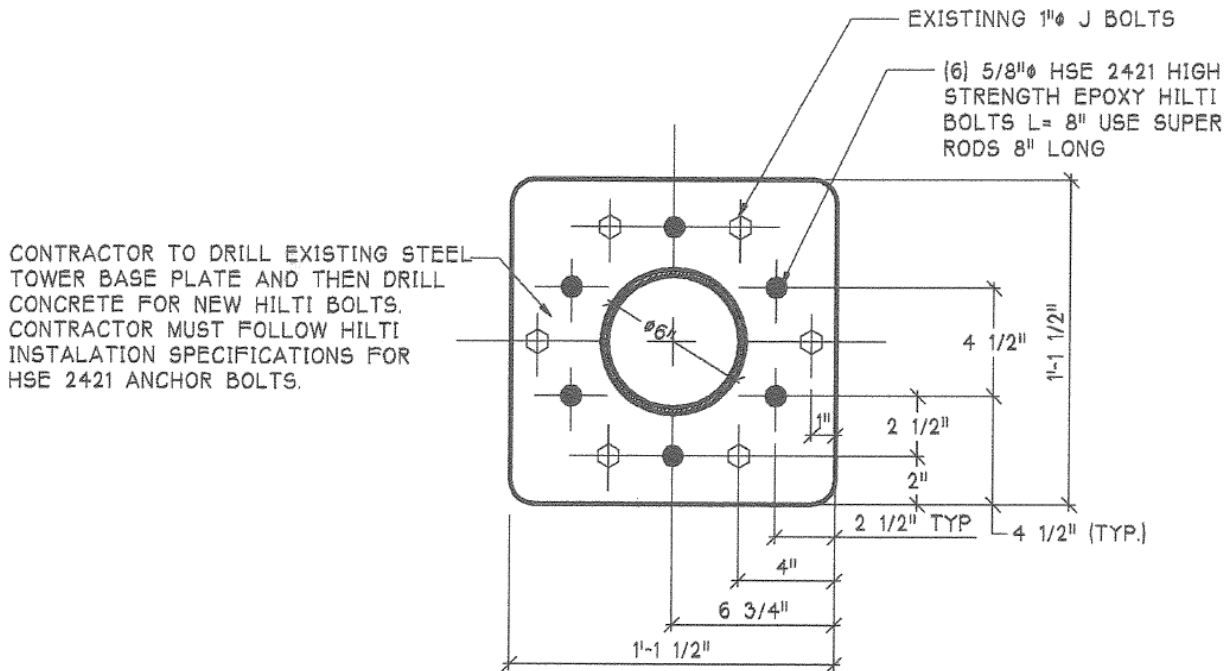
$$\text{Allow} := \text{Total} \cdot \phi = 383.623$$

$$\frac{\text{Actual}}{\text{Allow}} = 0.796 \quad \text{OK}$$



## Anchor Bolt Calculations

Existing anchor bolt configuration:



(6) Original 1" diameter A-490 anchor bolts:

Yield Strength:

$$F_y := 130 \text{ ksi}$$

Allowable Strength

$$F_{\text{allow}} := F_y \cdot 0.6 = 78 \text{ ksi}$$

Area of bolts:

$$A_b := 6 \cdot \pi \cdot (0.5)^2 = 4.712 \text{ in}^2$$

Allowable tension (per leg):

$$F_{\text{allow}} \cdot 4.712 = 367.5 \text{ k}$$

(6) reinforcement Hilti anchors:

Allowable tension (per bolt):

$$T_a := 6.25 \text{ k}$$

Total allowable tension:

$$T := 6 \cdot T_a = 37.5 \text{ k}$$

Total resistance:

$$T_{\text{total}} := 367.5 + 37.5 = 405 \text{ k}$$

Actual max tension per leg:

$$T_{\text{max}} := 305.6 \text{ k}$$

$$\frac{T_{\text{max}}}{T_{\text{total}}} = 0.755$$

OK



Maser Consulting Connecticut  
2000 Midlantic Drive, Suite 100  
Mt. Laurel, NJ 08054  
856.797.0412  
GDulnik@maserconsulting.com

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## Antenna Mount Analysis Report and PMI Requirements

### Mount Analysis

SMART Tool Project #: 10018157  
Maser Consulting Connecticut Project #: 20777340A

November 10, 2020

#### Site Information

Site ID: 468096-VZW / West Haven CT  
Site Name: West Haven CT  
Carrier Name: Verizon Wireless  
Address: 24 Rockdale Road  
West Haven, Connecticut 06516  
New Haven County  
Latitude: 41.291205°  
Longitude: -72.967881°

#### Structure Information

Tower Type: Self Support  
Mount Type: 12.00-Ft Sector Frame

**FUZE ID # 16227603**

#### Analysis Results

Sector Frame: **54.9% Pass**

#### **\*\*\*Contractor PMI Requirements:**

**Included at the end of this MA report**

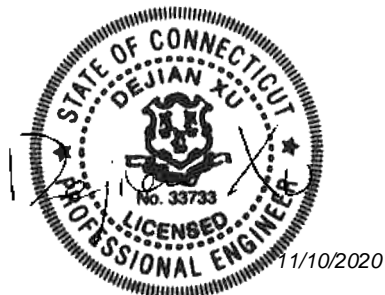
**Available & Submitted via portal at <https://pmi.vzwsmart.com>**

**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: Morgan Chatmon



## **Executive Summary:**

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

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

## **Sources of Information:**

<b>Document Type</b>	<b>Remarks</b>
<i>Radio Frequency Data Sheet (RFDS)</i>	<i>Verizon RFDS Site ID: 325095, dated October 23, 2020</i>
<i>Mount Mapping Report</i>	<i>RKS Design &amp; Engineering LLC, Site ID: VZW:468096, dated October 24, 2020</i>

## **Analysis Criteria:**

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), $V_{ULT}$ : 120 mph
	Ice Wind Speed (3-sec. Gust): 50 mph
	Design Ice Thickness: 1.00 in
	Risk Category: II
	Exposure Category: C
	Topographic Category: 1
	Topographic Feature Considered: N/A
	Topographic Method: N/A
	Ground Elevation Factor, $K_e$ : 0.995
Seismic Parameters:	$S_s$ : 0.200
	$S_1$ : 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 mounts:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
148.00	148.00	3	-	nL-Sub6 Antenna	Added
		1	Raycap	RHSDC-3315-PF-48	
		3	Amphenol	BXA-80063-6BF-EDIN	Retained
		6	Commscope	JAHH-45B-R3B	
		6	Commscope	CBC78T-DS-43-2X	
		1	Raycap	RHSDC-3315-PF-48*	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	

\* Equipment to be flush mounted directly to the Self Support. They are not mounted on sector mounts and are not included in this mount analysis.

Any proposed antennas not currently installed should be mounted such that the centerline of the antennas does not exceed 6 inches vertically from the center of the antenna mount(s).

**Standard Conditions:**

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

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

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

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

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

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

**Analysis Results:**

<b>Component</b>	<b>Utilization %</b>	<b>Pass/Fail</b>
<i>Antenna Pipe</i>	<i>22.6%</i>	<i>Pass</i>
<i>Standoff Plate</i>	<i>54.9%</i>	<i>Pass</i>
<i>Standoff Bracing</i>	<i>10.1%</i>	<i>Pass</i>
<i>Face Horizontal</i>	<i>42.3%</i>	<i>Pass</i>
<i>Standoff Horizontal</i>	<i>29.4%</i>	<i>Pass</i>
<i>Mount Connection</i>	<i>19.0%</i>	<i>Pass</i>

<b>Structure Rating – (Controlling Utilization of all Components)</b>	<b>54.9%</b>
---	--------------

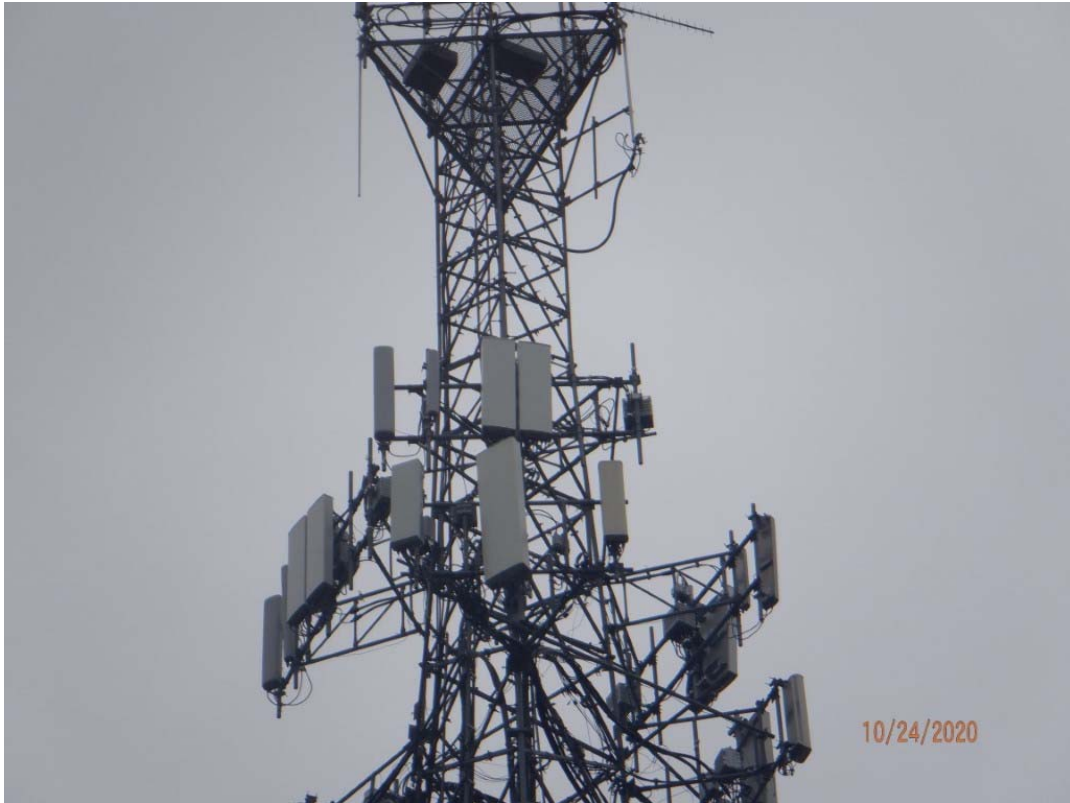
**Recommendation:**

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

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

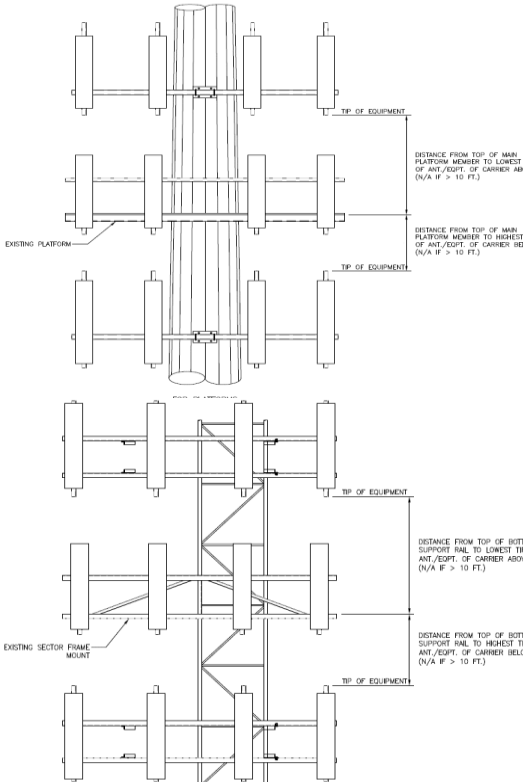
**Attachments:**

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





Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector		Sector B										
Sector A:	70.00	Deg	Leg A:	90.00	Deg	Ant <sub>1a</sub>	RFV01U-D2A	15.00	8.00	15.00		148.333	44.50	-8.00		15,253
Sector B:	190.00	Deg	Leg B:	210.00	Deg	Ant <sub>1b</sub>										
Sector C:	270.00	Deg	Leg C:	330.00	Deg	Ant <sub>1c</sub>										
Sector D:		Deg	Leg D:		Deg	Ant <sub>2a</sub>										
<b>Climbing Facility Information</b>						Ant <sub>2b</sub>										
Location:	210.00	Deg	Inside Corner Leg B			Ant <sub>2c</sub>										
Climbing Facility	Corrosion Type:	N/A				Ant <sub>3a</sub>	(2)CBC78T-DS-43-2X	6.90	6.40	9.60		150.625	12.00	-6.00		15,253
	Access:	Climbing path was unobstructed.				Ant <sub>3b</sub>	(2)JAHH-45B-R3B	18.00	7.00	72.00		148.042	43.00	15.50	160.00	15,253
	Condition:	Good condition.				Ant <sub>3c</sub>	RFV01U-D1A	15.00	10.00	15.00		148.708	35.00	-8.50		15,253
						Ant <sub>4a</sub>										
						Ant <sub>4b</sub>	BXA-171063-8BF-EDIN	6.00	4.00	48.50		149.167	34.50	8.50	160.00	15,255
						Ant <sub>4c</sub>										
						Ant <sub>5a</sub>										
						Ant <sub>5b</sub>	BXA-80063-6BF-EDIN	11.00	5.00	68.00		148.625	41.00	10.00	160.00	15,255
						Ant <sub>5c</sub>										
						Ant on Standoff										
						Ant on Standoff										
						Ant on Tower	RHSDC-3315-PF-48	15.70	10.20	25.60			79.00			253
						Ant on Tower										
						<b>Sector C</b>										
						Ant <sub>1a</sub>	RFV01U-D2A	15.00	8.00	15.00		148.333	44.50	-8.00		22,257
						Ant <sub>1b</sub>										
						Ant <sub>1c</sub>										
						Ant <sub>2a</sub>										
						Ant <sub>2b</sub>										
						Ant <sub>2c</sub>										
						Ant <sub>3a</sub>	(2)CBC78T-DS-43-2X	6.90	6.40	9.60		150.625	12.00	-6.00		22,257
						Ant <sub>3b</sub>	(2)JAHH-45B-R3B	18.00	7.00	72.00		148.042	43.00	15.50	240.00	22,257
						Ant <sub>3c</sub>	RFV01U-D1A	15.00	10.00	15.00		148.708	35.00	-8.50		22,257
						Ant <sub>4a</sub>										
						Ant <sub>4b</sub>	BXA-171063-12BF-ED	6.00	4.00	48.50		149.167	34.50	8.50	240.00	22,258
						Ant <sub>4c</sub>										
						Ant <sub>5a</sub>										
						Ant <sub>5b</sub>	BXA-80063-6BF-EDIN	11.00	5.00	68.00		148.625	41.00	10.00	240.00	22,258
						Ant <sub>5c</sub>										
						Ant on Standoff										
						Ant on Standoff										
						Ant on Tower	RRFDC-3315-PF-48	15.70	10.20	25.60			71.00			258
						Ant on Tower										
						<b>Sector D</b>										
						Ant <sub>1a</sub>										
						Ant <sub>1b</sub>										
						Ant <sub>1c</sub>										
						Ant <sub>2a</sub>										
						Ant <sub>2b</sub>										
						Ant <sub>2c</sub>										
						Ant <sub>3a</sub>										
						Ant <sub>3b</sub>										
						Ant <sub>3c</sub>										
						Ant <sub>4a</sub>										
						Ant <sub>4b</sub>										
						Ant <sub>4c</sub>										
						Ant <sub>5a</sub>										
						Ant <sub>5b</sub>										
						Ant <sub>5c</sub>										
						Ant on Standoff										
						Ant on Standoff										
						Ant on Tower										
						Ant on Tower										



Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #

1	COAX TOTAL (8): (6) FH 1.5"Ø, (2) 1.5"Ø HYBRID	
2		
3		
4		
5		
6		
7		
8		

**Mapping Notes**

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

**Standard Conditions**

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



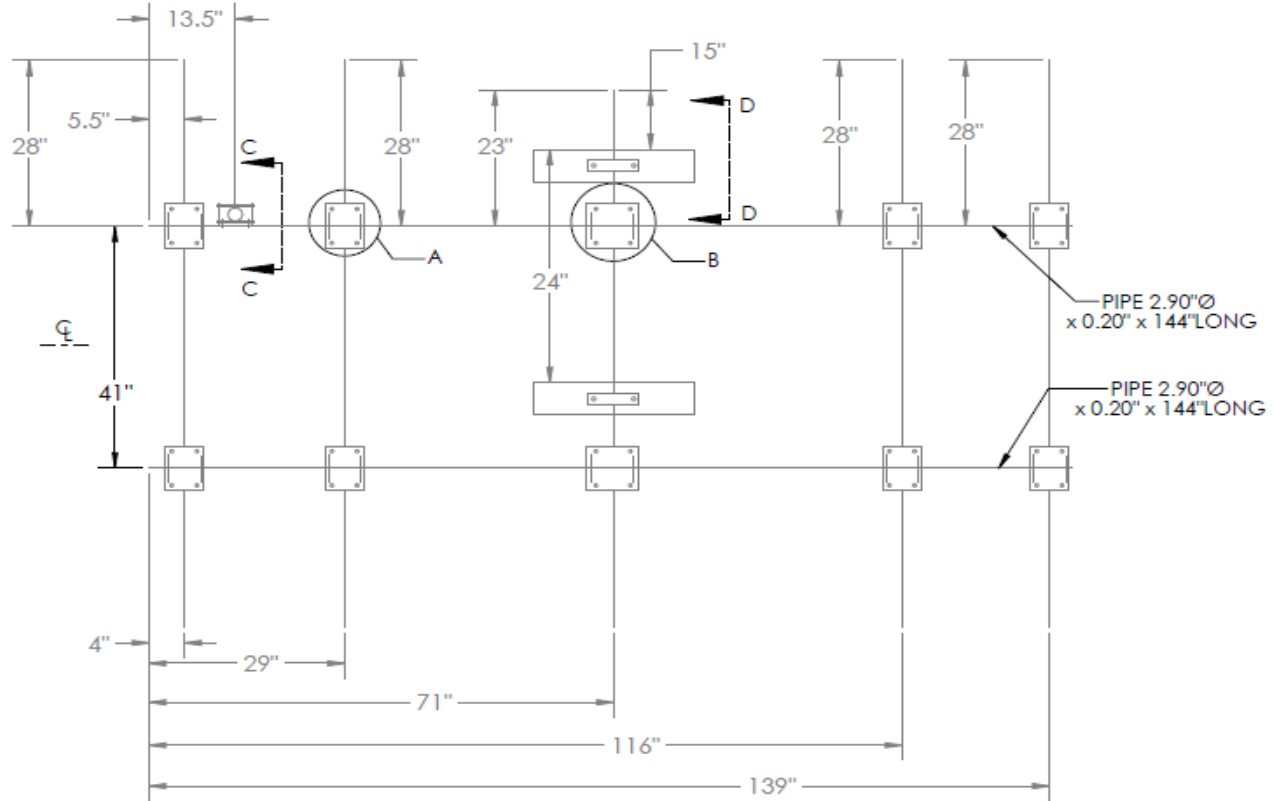
### Antenna Mount Mapping Form (PATENT PENDING)

FCC #  
UNKNOWN

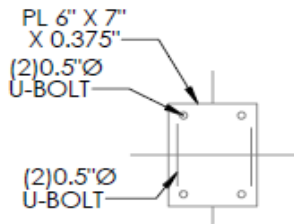
<b>Tower Owner:</b>	BOB KNAPP	<b>Mapping Date:</b>	10/24/2020
<b>Site Name:</b>	VZW:West Haven CT	<b>Tower Type:</b>	Self Support
<b>Site Number or ID:</b>	VZW:468096	<b>Tower Height (Ft.):</b>	UNKNOWN
<b>Mapping Contractor:</b>	RKS Design & Engineering LLC	<b>Mount Elevation (Ft.):</b>	148

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

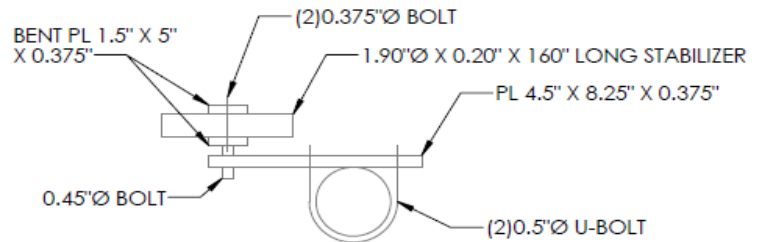
**Please Insert Sketches of the Antenna Mount**



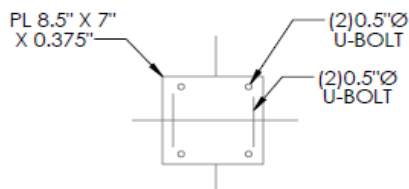
**SECTOR A**



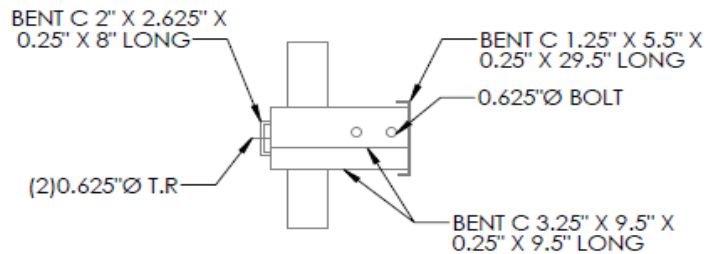
**DETAIL A**



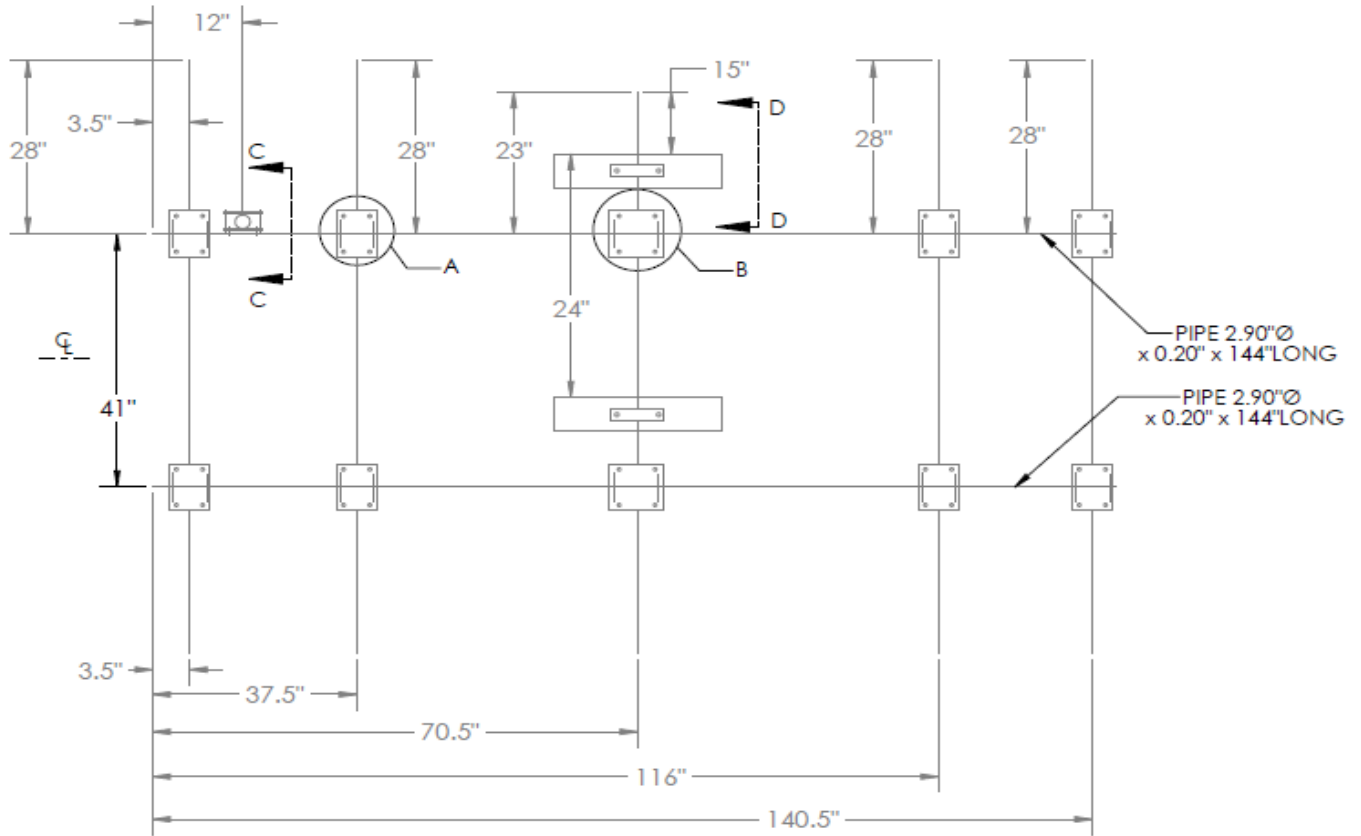
**SECTION C-C  
STABILIZER CONNECTION**



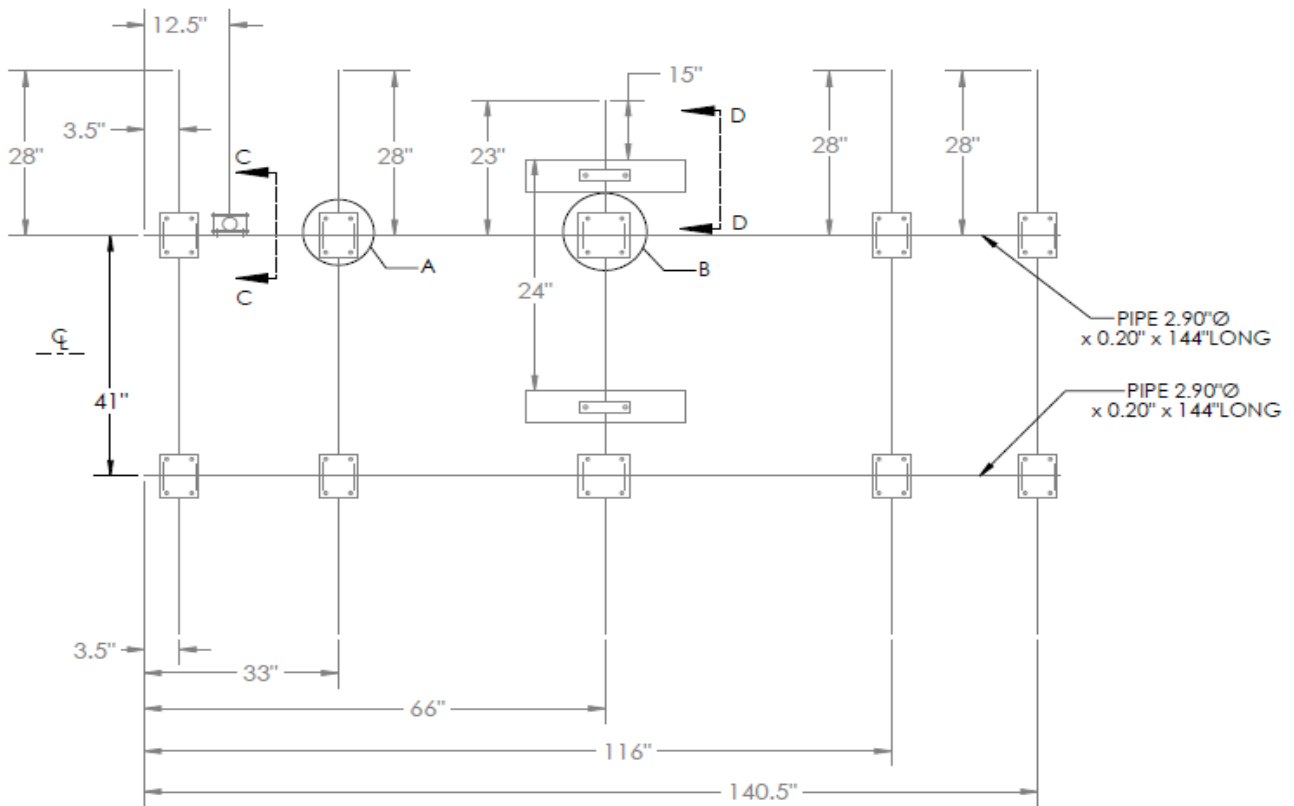
**DETAIL B**



**SECTION D-D**

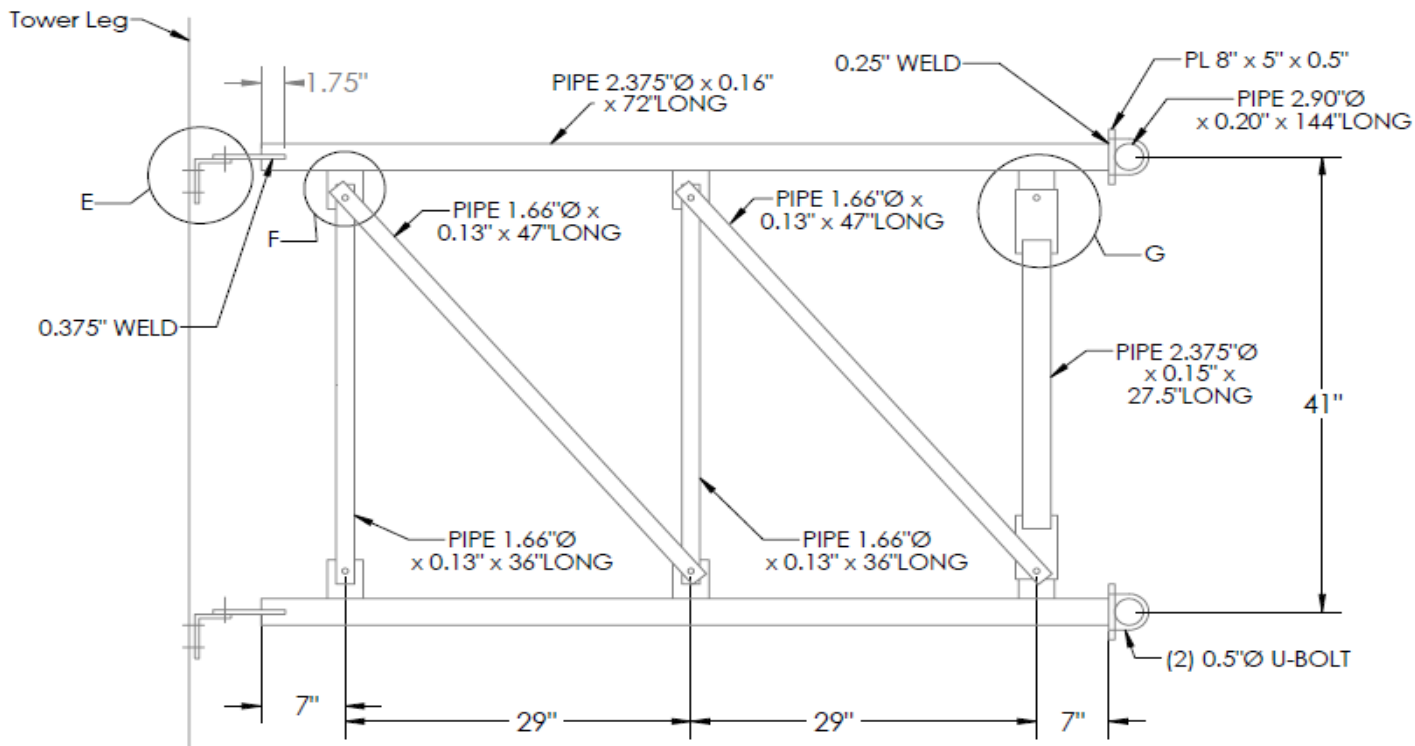


SECTOR B

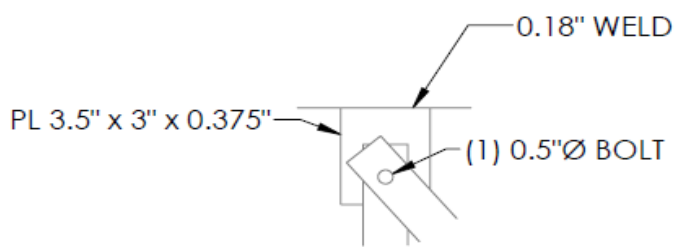
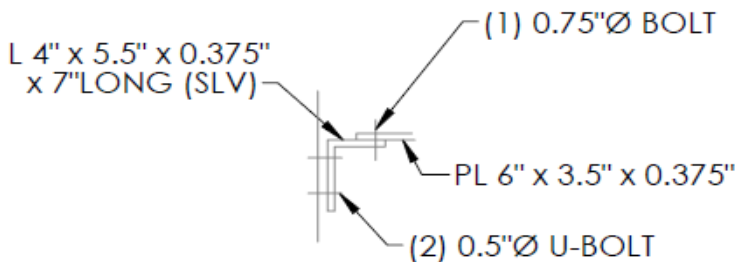


SECTOR C



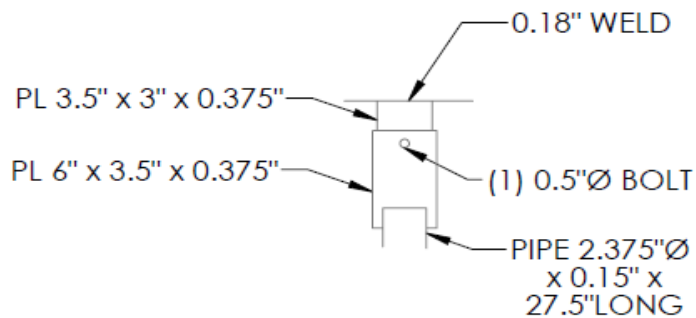


**STAND OFF VIEW**

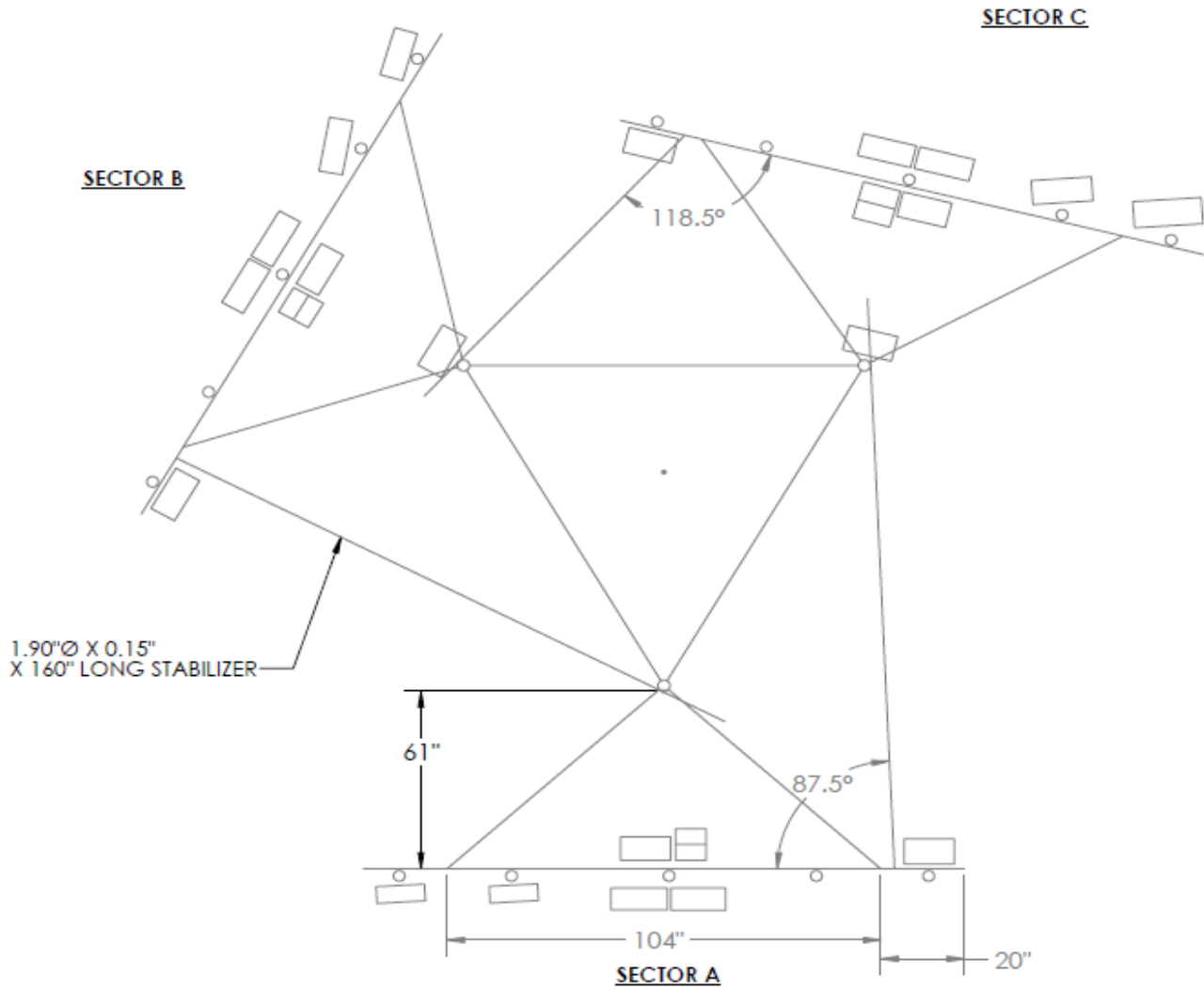


DETAIL E

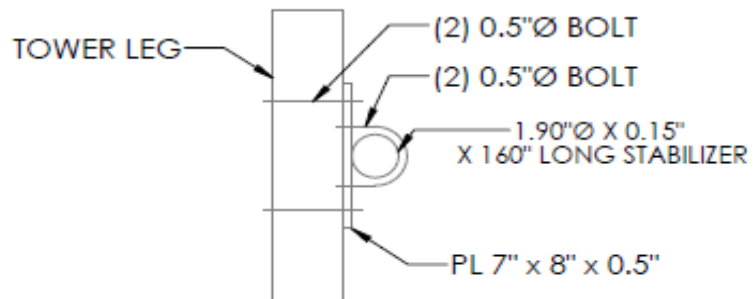
DETAIL F



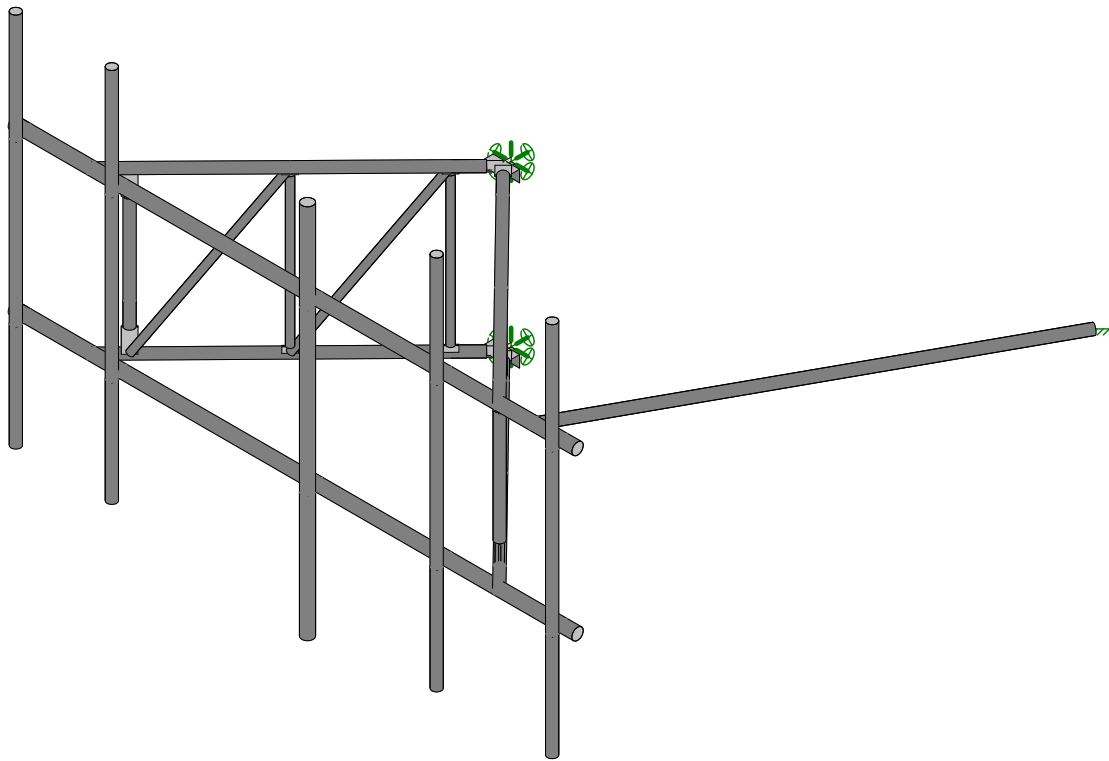
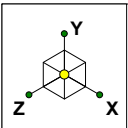
DETAIL G



ANTENNA PLAN VIEW



STABILIZER CONNECTION ON TOWER



Maser Consulting

MNC

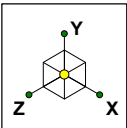
Project No. 20777340A

468096-VZW\_MT\_LOT\_SectorC\_H

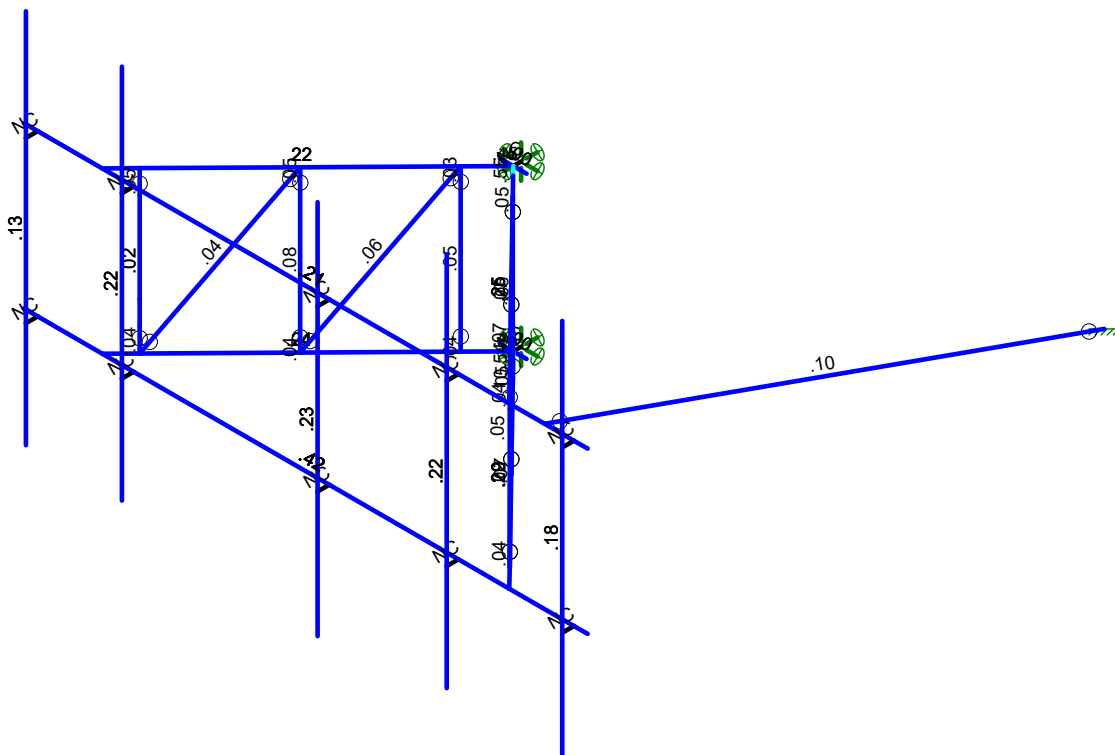
SK - 1

Nov 10, 2020 at 1:55 PM

468096-VZW\_MT\_LOT\_C\_H.r3d

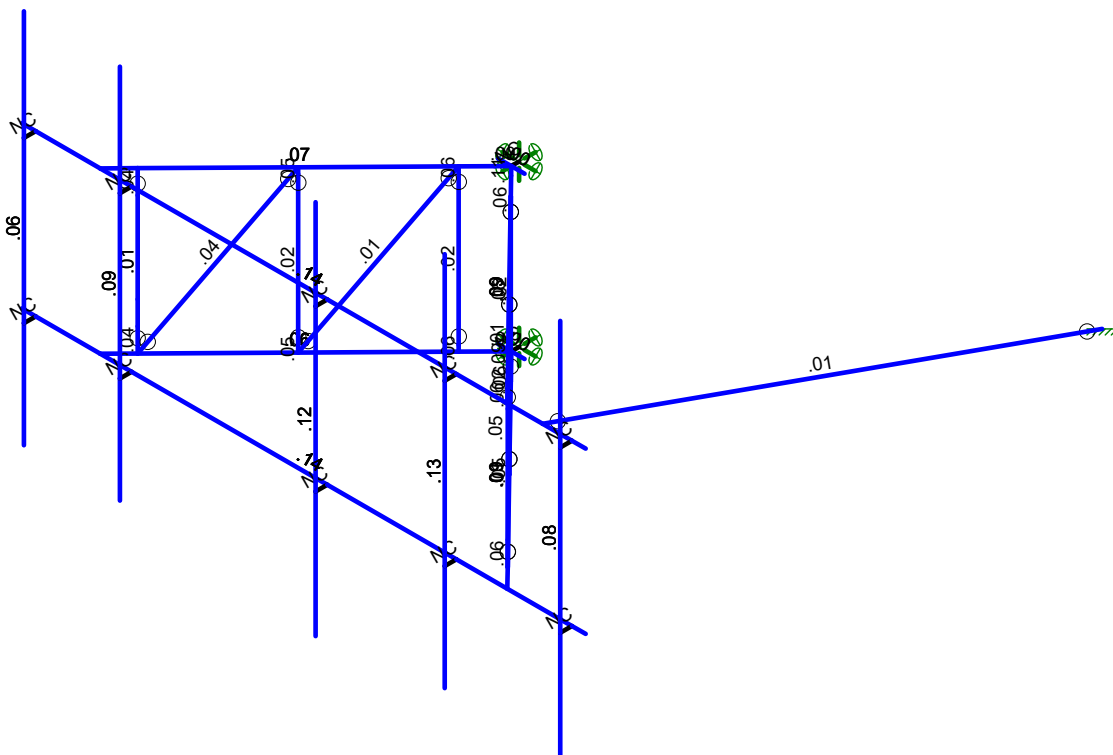
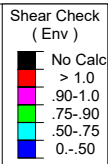
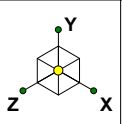


Code Check (Env)	
Black	No Calc
Red	> 1.0
Magenta	.90-1.0
Green	.75-.90
Cyan	.50-.75
Blue	0-.50



Member Code Checks Displayed (Enveloped)  
Envelope Only Solution

Maser Consulting	468096-VZW_MT_LOT_SectorC_H	SK - 2
MNC		Nov 10, 2020 at 1:56 PM
Project No. 20777340A		468096-VZW_MT_LOT_C_H.r3d



Member Shear Checks Displayed (Enveloped)  
Envelope Only Solution

Maser Consulting	468096-VZW_MT_LOT_SectorC_H	SK - 3
MNC		Nov 10, 2020 at 1:57 PM
Project No. 20777340A		468096-VZW_MT_LOT_C_H.r3d



**Basic Load Cases**

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	Antenna D	None					39		
2	Antenna Di	None					39		
3	Antenna Wo (0 Deg)	None					39		
4	Antenna Wo (30 Deg)	None					39		
5	Antenna Wo (60 Deg)	None					39		
6	Antenna Wo (90 Deg)	None					39		
7	Antenna Wo (120 Deg)	None					39		
8	Antenna Wo (150 Deg)	None					39		
9	Antenna Wo (180 Deg)	None					39		
10	Antenna Wo (210 Deg)	None					39		
11	Antenna Wo (240 Deg)	None					39		
12	Antenna Wo (270 Deg)	None					39		
13	Antenna Wo (300 Deg)	None					39		
14	Antenna Wo (330 Deg)	None					39		
15	Antenna Wi (0 Deg)	None					39		
16	Antenna Wi (30 Deg)	None					39		
17	Antenna Wi (60 Deg)	None					39		
18	Antenna Wi (90 Deg)	None					39		
19	Antenna Wi (120 Deg)	None					39		
20	Antenna Wi (150 Deg)	None					39		
21	Antenna Wi (180 Deg)	None					39		
22	Antenna Wi (210 Deg)	None					39		
23	Antenna Wi (240 Deg)	None					39		
24	Antenna Wi (270 Deg)	None					39		
25	Antenna Wi (300 Deg)	None					39		
26	Antenna Wi (330 Deg)	None					39		
27	Antenna Wm (0 Deg)	None					39		
28	Antenna Wm (30 Deg)	None					39		
29	Antenna Wm (60 Deg)	None					39		
30	Antenna Wm (90 Deg)	None					39		
31	Antenna Wm (120 De...	None					39		
32	Antenna Wm (150 De...	None					39		
33	Antenna Wm (180 De...	None					39		
34	Antenna Wm (210 De...	None					39		
35	Antenna Wm (240 De...	None					39		
36	Antenna Wm (270 De...	None					39		
37	Antenna Wm (300 De...	None					39		
38	Antenna Wm (330 De...	None					39		
39	Structure D	None		-1					
40	Structure Di	None						40	
41	Structure Wo (0 Deg)	None						80	
42	Structure Wo (30 Deg)	None						80	
43	Structure Wo (60 Deg)	None						80	
44	Structure Wo (90 Deg)	None						80	
45	Structure Wo (120 D...	None						80	
46	Structure Wo (150 D...	None						80	
47	Structure Wo (180 D...	None						80	
48	Structure Wo (210 D...	None						80	
49	Structure Wo (240 D...	None						80	
50	Structure Wo (270 D...	None						80	
51	Structure Wo (300 D...	None						80	
52	Structure Wo (330 D...	None						80	
53	Structure Wi (0 Deg)	None						80	
54	Structure Wi (30 Deg)	None						80	
55	Structure Wi (60 Deg)	None						80	
56	Structure Wi (90 Deg)	None						80	



**Basic Load Cases (Continued)**

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

**Load Combinations**

	Description	Sol..	PD..	SR..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..	BLC Fact..
1	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	3	1	41	1							
2	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	4	1	42	1							
3	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	5	1	43	1							
4	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	6	1	44	1							
5	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1							
6	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1							
7	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1							
8	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1							
9	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1							
10	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1							
11	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1							
12	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1							
13	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1			
14	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1			
15	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1			
16	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1			
17	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1			
18	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1			
19	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1			
20	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1			
21	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1			
22	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1			
23	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1			
24	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1			
25	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1					
26	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1					
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1					
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1					



**Load Combinations (Continued)**

	Description	Sol.	PD	SR	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.	BLC Fact.
29	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1	
30	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1	
31	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1	
32	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1	
33	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1	
34	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1	
35	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1	
36	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1	
37	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1	
38	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1	
39	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1	
40	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1	
41	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1	
42	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1	
43	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1	
44	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1	
45	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1	
46	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1	
47	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1	
48	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1	
49	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	79	1.5					
50	1.2D + 1.5..	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	N1	-0.166667	0	0.166667	0	
2	N5	-0.166667	-3.416667	0.166667	0	
3	N6	-0.447917	-3.416667	0.166667	0	
4	N7	0.114583	-3.416667	0.166667	0	
5	N10	-4.5	0	4.583333	0	
6	N11	4.166667	0	4.583333	0	
7	N11A	-6.166667	0	4.583333	0	
8	N12	5.833333	0	4.583333	0	
9	N14	-4.5	-3.416667	4.583333	0	
10	N15	4.166667	-3.416667	4.583333	0	
11	N16	-6.166667	-3.416667	4.583333	0	
12	N17	5.833333	-3.416667	4.583333	0	
13	N17A	-0.341752	0	0.345119	0	
14	N18	0.008419	0	0.345119	0	
15	N19	-0.341752	-3.416667	0.345119	0	
16	N20	0.008419	-3.416667	0.345119	0	
17	N21	0.38777	0	0.731765	0	
18	N22	0.38777	-3.416667	0.731765	0	
19	N23	2.08026	0	2.456803	0	
20	N24	2.08026	-3.416667	2.456803	0	
21	N25	3.77275	0	4.181841	0	
22	N26	3.77275	-3.416667	4.181841	0	
23	N27	0.38777	-3.291667	0.731765	0	
24	N28	2.08026	-3.291667	2.456803	0	
25	N29	0.38777	-.125	0.731765	0	
26	N30	2.08026	-.125	2.456803	0	
27	N31	3.77275	-2.916667	4.181841	0	
28	N32	3.77275	-.5	4.181841	0	
29	N33	-0.721103	0	0.731765	0	





**Joint Coordinates and Temperatures (Continued)**

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
30	N34	-0.721103	-3.416667	0.731765	0	
31	N35	-2.413593	0	2.456803	0	
32	N36	-2.413593	-3.416667	2.456803	0	
33	N37	-4.106083	0	4.181841	0	
34	N38	-4.106083	-3.416667	4.181841	0	
35	N39	-0.721103	-3.291667	0.731765	0	
36	N40	-2.413593	-3.291667	2.456803	0	
37	N41	-0.721103	-.125	0.731765	0	
38	N42	-2.413593	-.125	2.456803	0	
39	N43	-4.106083	-2.916667	4.181841	0	
40	N44	-4.106083	-.5	4.181841	0	
41	N45	-5.875	0	4.583333	0	
42	N46	-5.875	-3.416667	4.583333	0	
43	N47	-5.875	0	4.833333	0	
44	N48	-5.875	-3.416667	4.833333	0	
45	N49	-5.875	2.333333	4.833333	0	
46	N50	-5.875	-5.666667	4.833333	0	
47	N56	-0.166667	-5.75	4.833333	0	
48	N62	5.666667	-5.75	4.833333	0	
49	N65	-0.166667	-3.416667	0	0	
50	N66A	-4.106083	-2.416667	4.181841	0	
51	N58	-3.833333	0	4.583333	0	
52	N59	-3.833333	-3.416667	4.583333	0	
53	N60	-3.833333	0	4.833333	0	
54	N61A	-3.833333	-3.416667	4.833333	0	
55	N62A	-3.833333	2.333333	4.833333	0	
56	N63A	-3.833333	-5.666667	4.833333	0	
57	N64	0.333333	0	4.583333	0	
58	N65A	0.333333	-3.416667	4.583333	0	
59	N66	0.333333	0	4.833333	0	
60	N67	0.333333	-3.416667	4.833333	0	
61	N68	0.333333	1.916667	4.833333	0	
62	N69	0.333333	-6.083333	4.833333	0	
63	N70	3.083333	0	4.583333	0	
64	N71	3.083333	-3.416667	4.583333	0	
65	N72	3.083333	0	4.833333	0	
66	N73	3.083333	-3.416667	4.833333	0	
67	N74	3.083333	2.333333	4.833333	0	
68	N75	3.083333	-5.666667	4.833333	0	
69	N76	5.541667	0	4.583333	0	
70	N77	5.541667	-3.416667	4.583333	0	
71	N78	5.541667	0	4.833333	0	
72	N79	5.541667	-3.416667	4.833333	0	
73	N80A	5.541667	2.333333	4.833333	0	
74	N81	5.541667	-5.666667	4.833333	0	
75	N82	4.916667	0	4.583333	0	
76	N78A	-0.447917	0	0.166667	0	
77	N79A	0.114583	0	0.166667	0	
78	N80	-0.166667	0	0	0	
79	N80B	9.123363	0	-3.122565	0	

**Hot Rolled Steel Section Sets**

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Standoff Horizo...	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25



**Hot Rolled Steel Section Sets (Continued)**

	Label	Shape	Type	Design List	Material	Design R...	A [in <sup>2</sup> ]	Iyy [in <sup>4</sup> ]	Izz [in <sup>4</sup> ]	J [in <sup>4</sup> ]
3	Standoff Vertical	PIPE 1.25	Beam	Pipe	A53 Gr. B	Typical	.625	.184	.184	.368
4	Standoff Diagonal	PIPE 1.25	Beam	Pipe	A53 Gr. B	Typical	.625	.184	.184	.368
5	Face Horizontal	PIPE 2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
6	Tie Back	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
7	Standoff Bar	PL3/8X3	Beam	RECT	A36 Gr.36	Typical	1.125	.013	.844	.049
8	TES Mount Angle	L4X3X6	Beam	Single Angle	A36 Gr.36	Typical	2.49	1.89	3.94	.123
9	Standoff Vertica..	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
10	Mount Angle	L4X5.5X6	Beam	Single Angle	A36 Gr.36	Typical	3.422	4.79	10.595	.152
11	Antenna Pipe 2	PIPE 2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89

**Hot Rolled Steel Properties**

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

**Member Primary Data**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M3	N6	N7		90	TES Mount An...	Beam	Single Angle	A36 Gr.36	Typical
2	M5	N1	N17A		90	Standoff Bar	Beam	RECT	A36 Gr.36	Typical
3	M6	N1	N18		90	Standoff Bar	Beam	RECT	A36 Gr.36	Typical
4	M7	N11A	N12			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
5	M8	N5	N19		90	Standoff Bar	Beam	RECT	A36 Gr.36	Typical
6	M9	N5	N20		90	Standoff Bar	Beam	RECT	A36 Gr.36	Typical
7	M10	N16	N17			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
8	M11	N17A	N10			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
9	M12	N18	N11			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
10	M13	N19	N14			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
11	M14	N20	N15			Standoff Horiz...	Beam	Pipe	A53 Gr. B	Typical
12	M15	N21	N29	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
13	M16	N21	N24		90	Standoff Diago...	Beam	Pipe	A53 Gr. B	Typical
14	M17	N23	N30	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
15	M18	N23	N26		90	Standoff Diago...	Beam	Pipe	A53 Gr. B	Typical
16	M19	N26	N31	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
17	M20	N27	N22	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
18	M21	N28	N24	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
19	M22	N29	N27	N1		Standoff Diago...	Beam	Pipe	A53 Gr. B	Typical
20	M23	N30	N28	N1		Standoff Diago...	Beam	Pipe	A53 Gr. B	Typical
21	M24	N31	N32	N1		Standoff Vertic...	Column	Pipe	A53 Gr. B	Typical
22	M25	N32	N25	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
23	M26	N33	N41	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
24	M27	N33	N36		90	Standoff Diago...	Beam	Pipe	A53 Gr. B	Typical
25	M28	N35	N42	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
26	M29	N35	N38		90	Standoff Diago...	Beam	Pipe	A53 Gr. B	Typical
27	M30	N38	N43	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
28	M31	N39	N34	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
29	M32	N40	N36	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
30	M33	N41	N39	N1		Standoff Diago...	Beam	Pipe	A53 Gr. B	Typical
31	M34	N42	N40	N1		Standoff Diago...	Beam	Pipe	A53 Gr. B	Typical
32	M35	N43	N44	N1		Standoff Vertic...	Column	Pipe	A53 Gr. B	Typical
33	M36	N44	N37	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical



**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
34	M37	N45	N47			RIGID	None	None	RIGID	Typical
35	M38	N46	N48			RIGID	None	None	RIGID	Typical
36	MP5A	N50	N49			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
37	M46	N82	N80B			Tie Back	Beam	Pipe	A53 Gr. B	Typical
38	M46A	N5	N65			RIGID	None	None	RIGID	Typical
39	M41	N58	N60			RIGID	None	None	RIGID	Typical
40	M42	N59	N61A			RIGID	None	None	RIGID	Typical
41	MP4A	N63A	N62A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
42	M44	N64	N66			RIGID	None	None	RIGID	Typical
43	M45	N65A	N67			RIGID	None	None	RIGID	Typical
44	MP3A	N69	N68			Antenna Pipe 2	Column	Pipe	A53 Gr. B	Typical
45	M47	N70	N72			RIGID	None	None	RIGID	Typical
46	M48	N71	N73			RIGID	None	None	RIGID	Typical
47	MP2A	N75	N74			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
48	M50	N76	N78			RIGID	None	None	RIGID	Typical
49	M51	N77	N79			RIGID	None	None	RIGID	Typical
50	MP1A	N81	N80A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
51	M52	N78A	N79A		90	TES Mount An...	Beam	Single Angle	A36 Gr.36	Typical
52	M52A	N1	N80			RIGID	None	None	RIGID	Typical

**Member Advanced Data**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M3						Yes				None
2	M5						Yes	Default			None
3	M6						Yes	Default			None
4	M7						Yes				None
5	M8						Yes	Default			None
6	M9						Yes	Default			None
7	M10						Yes				None
8	M11						Yes				None
9	M12						Yes				None
10	M13						Yes				None
11	M14						Yes				None
12	M15	OOOOOX					Yes				None
13	M16	BenPIN	BenPIN				Yes	Default			None
14	M17	OOOOOX					Yes				None
15	M18	BenPIN	BenPIN				Yes	Default			None
16	M19	OOOOOX					Yes				None
17	M20		OOOOOO				Yes				None
18	M21		OOOOOO				Yes				None
19	M22						Yes				None
20	M23						Yes				None
21	M24						Yes	** NA **			None
22	M25		OOOOOO				Yes	Default			None
23	M26	OOOOOX					Yes				None
24	M27	BenPIN	BenPIN				Yes				None
25	M28	OOOOOX					Yes				None
26	M29	BenPIN	BenPIN				Yes				None
27	M30	OOOOOX					Yes				None
28	M31		OOOOOO				Yes				None
29	M32		OOOOOO				Yes				None
30	M33						Yes				None
31	M34						Yes				None
32	M35						Yes	** NA **			None
33	M36		OOOOOO				Yes				None



**Member Advanced Data (Continued)**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
34	M37						Yes	** NA **			None
35	M38						Yes	** NA **			None
36	MP5A						Yes	** NA **			None
37	M46	BenPIN	BenPIN				Yes	Default			None
38	M46A						Yes	** NA **			None
39	M41						Yes	** NA **			None
40	M42						Yes	** NA **			None
41	MP4A						Yes	** NA **			None
42	M44						Yes	** NA **			None
43	M45						Yes	** NA **			None
44	MP3A						Yes	** NA **			None
45	M47						Yes	** NA **			None
46	M48						Yes	** NA **			None
47	MP2A						Yes	** NA **			None
48	M50						Yes	** NA **			None
49	M51						Yes	** NA **			None
50	MP1A						Yes	** NA **			None
51	M52						Yes	** NA **			None
52	M52A						Yes	** NA **			None

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	Y	-40.8	3.04
2	MP2A	My	-.02	3.04
3	MP2A	Mz	0	3.04
4	MP2A	Y	-40.8	5.04
5	MP2A	My	-.02	5.04
6	MP2A	Mz	0	5.04
7	M11	Y	-32	2.98
8	M11	My	0	2.98
9	M11	Mz	0	2.98
10	MP5A	Y	-9.6	1.54
11	MP5A	My	-.008	1.54
12	MP5A	Mz	0	1.54
13	MP5A	Y	-9.6	6.54
14	MP5A	My	-.008	6.54
15	MP5A	Mz	0	6.54
16	MP3A	Y	-45.75	1.5
17	MP3A	My	-.059	1.5
18	MP3A	Mz	.034	1.5
19	MP3A	Y	-45.75	3.5
20	MP3A	My	-.059	3.5
21	MP3A	Mz	.034	3.5
22	MP3A	Y	-45.75	1.5
23	MP3A	My	-.059	1.5
24	MP3A	Mz	-.034	1.5
25	MP3A	Y	-45.75	3.5
26	MP3A	My	-.059	3.5
27	MP3A	Mz	-.034	3.5
28	MP3A	Y	-10.4	.5
29	MP3A	My	.005	.5
30	MP3A	Mz	.005	.5
31	MP3A	Y	-10.4	.5
32	MP3A	My	.005	.5
33	MP3A	Mz	-.005	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
34	MP3A	Y	-84.4	4.04
35	MP3A	My	.06	4.04
36	MP3A	Mz	0	4.04
37	MP1A	Y	-70.3	4.04
38	MP1A	My	.047	4.04
39	MP1A	Mz	0	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	Y	-36.168	3.04
2	MP2A	My	-.018	3.04
3	MP2A	Mz	0	3.04
4	MP2A	Y	-36.168	5.04
5	MP2A	My	-.018	5.04
6	MP2A	Mz	0	5.04
7	M11	Y	-64.161	2.98
8	M11	My	0	2.98
9	M11	Mz	0	2.98
10	MP5A	Y	-50.811	1.54
11	MP5A	My	-.042	1.54
12	MP5A	Mz	0	1.54
13	MP5A	Y	-50.811	6.54
14	MP5A	My	-.042	6.54
15	MP5A	Mz	0	6.54
16	MP3A	Y	-79.296	1.5
17	MP3A	My	-.102	1.5
18	MP3A	Mz	.059	1.5
19	MP3A	Y	-79.296	3.5
20	MP3A	My	-.102	3.5
21	MP3A	Mz	.059	3.5
22	MP3A	Y	-79.296	1.5
23	MP3A	My	-.102	1.5
24	MP3A	Mz	-.059	1.5
25	MP3A	Y	-79.296	3.5
26	MP3A	My	-.102	3.5
27	MP3A	Mz	-.059	3.5
28	MP3A	Y	-10.834	.5
29	MP3A	My	.005	.5
30	MP3A	Mz	.005	.5
31	MP3A	Y	-10.834	.5
32	MP3A	My	.005	.5
33	MP3A	Mz	-.005	.5
34	MP3A	Y	-45.248	4.04
35	MP3A	My	.032	4.04
36	MP3A	Mz	0	4.04
37	MP1A	Y	-40.695	4.04
38	MP1A	My	.027	4.04
39	MP1A	Mz	0	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	3.04
2	MP2A	Z	-86.826	3.04
3	MP2A	Mx	0	3.04
4	MP2A	X	0	5.04
5	MP2A	Z	-86.826	5.04



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP2A	Mx	0	5.04
7	M11	X	0	2.98
8	M11	Z	-96.225	2.98
9	M11	Mx	0	2.98
10	MP5A	X	0	1.54
11	MP5A	Z	-156.417	1.54
12	MP5A	Mx	0	1.54
13	MP5A	X	0	6.54
14	MP5A	Z	-156.417	6.54
15	MP5A	Mx	0	6.54
16	MP3A	X	0	1.5
17	MP3A	Z	-245.613	1.5
18	MP3A	Mx	-.184	1.5
19	MP3A	X	0	3.5
20	MP3A	Z	-245.613	3.5
21	MP3A	Mx	-.184	3.5
22	MP3A	X	0	1.5
23	MP3A	Z	-245.613	1.5
24	MP3A	Mx	.184	1.5
25	MP3A	X	0	3.5
26	MP3A	Z	-245.613	3.5
27	MP3A	Mx	.184	3.5
28	MP3A	X	0	.5
29	MP3A	Z	-15.943	.5
30	MP3A	Mx	-.008	.5
31	MP3A	X	0	.5
32	MP3A	Z	-15.943	.5
33	MP3A	Mx	.008	.5
34	MP3A	X	0	4.04
35	MP3A	Z	-80.578	4.04
36	MP3A	Mx	0	4.04
37	MP1A	X	0	4.04
38	MP1A	Z	-80.578	4.04
39	MP1A	Mx	0	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	38.343	3.04
2	MP2A	Z	-66.412	3.04
3	MP2A	Mx	-.019	3.04
4	MP2A	X	38.343	5.04
5	MP2A	Z	-66.412	5.04
6	MP2A	Mx	-.019	5.04
7	M11	X	42.533	2.98
8	M11	Z	-73.67	2.98
9	M11	Mx	0	2.98
10	MP5A	X	69.523	1.54
11	MP5A	Z	-120.418	1.54
12	MP5A	Mx	-.058	1.54
13	MP5A	X	69.523	6.54
14	MP5A	Z	-120.418	6.54
15	MP5A	Mx	-.058	6.54
16	MP3A	X	106.334	1.5
17	MP3A	Z	-184.175	1.5
18	MP3A	Mx	-.275	1.5
19	MP3A	X	106.334	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
20	MP3A	Z	-184.175	3.5
21	MP3A	Mx	-275	3.5
22	MP3A	X	106.334	1.5
23	MP3A	Z	-184.175	1.5
24	MP3A	Mx	.000783	1.5
25	MP3A	X	106.334	3.5
26	MP3A	Z	-184.175	3.5
27	MP3A	Mx	.000783	3.5
28	MP3A	X	7.358	.5
29	MP3A	Z	-12.744	.5
30	MP3A	Mx	-.003	.5
31	MP3A	X	7.358	.5
32	MP3A	Z	-12.744	.5
33	MP3A	Mx	.01	.5
34	MP3A	X	36.95	4.04
35	MP3A	Z	-63.999	4.04
36	MP3A	Mx	.026	4.04
37	MP1A	X	35.67	4.04
38	MP1A	Z	-61.783	4.04
39	MP1A	Mx	.024	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	48.847	3.04
2	MP2A	Z	-28.202	3.04
3	MP2A	Mx	-.024	3.04
4	MP2A	X	48.847	5.04
5	MP2A	Z	-28.202	5.04
6	MP2A	Mx	-.024	5.04
7	M11	X	83.334	2.98
8	M11	Z	-48.113	2.98
9	M11	Mx	0	2.98
10	MP5A	X	90.331	1.54
11	MP5A	Z	-52.153	1.54
12	MP5A	Mx	-.075	1.54
13	MP5A	X	90.331	6.54
14	MP5A	Z	-52.153	6.54
15	MP5A	Mx	-.075	6.54
16	MP3A	X	127.111	1.5
17	MP3A	Z	-73.388	1.5
18	MP3A	Mx	-.219	1.5
19	MP3A	X	127.111	3.5
20	MP3A	Z	-73.388	3.5
21	MP3A	Mx	-.219	3.5
22	MP3A	X	127.111	1.5
23	MP3A	Z	-73.388	1.5
24	MP3A	Mx	-.109	1.5
25	MP3A	X	127.111	3.5
26	MP3A	Z	-73.388	3.5
27	MP3A	Mx	-.109	3.5
28	MP3A	X	10.617	.5
29	MP3A	Z	-6.13	.5
30	MP3A	Mx	.002	.5
31	MP3A	X	10.617	.5
32	MP3A	Z	-6.13	.5
33	MP3A	Mx	.008	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
34	MP3A	X	52.431	4.04
35	MP3A	Z	-30.271	4.04
36	MP3A	Mx	.037	4.04
37	MP1A	X	45.783	4.04
38	MP1A	Z	-26.433	4.04
39	MP1A	Mx	.031	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	46.262	3.04
2	MP2A	Z	0	3.04
3	MP2A	Mx	-.023	3.04
4	MP2A	X	46.262	5.04
5	MP2A	Z	0	5.04
6	MP2A	Mx	-.023	5.04
7	M11	X	118.543	2.98
8	M11	Z	0	2.98
9	M11	Mx	0	2.98
10	MP5A	X	86.934	1.54
11	MP5A	Z	0	1.54
12	MP5A	Mx	-.072	1.54
13	MP5A	X	86.934	6.54
14	MP5A	Z	0	6.54
15	MP5A	Mx	-.072	6.54
16	MP3A	X	113.83	1.5
17	MP3A	Z	0	1.5
18	MP3A	Mx	-.147	1.5
19	MP3A	X	113.83	3.5
20	MP3A	Z	0	3.5
21	MP3A	Mx	-.147	3.5
22	MP3A	X	113.83	1.5
23	MP3A	Z	0	1.5
24	MP3A	Mx	-.147	1.5
25	MP3A	X	113.83	3.5
26	MP3A	Z	0	3.5
27	MP3A	Mx	-.147	3.5
28	MP3A	X	11.031	.5
29	MP3A	Z	0	.5
30	MP3A	Mx	.006	.5
31	MP3A	X	11.031	.5
32	MP3A	Z	0	.5
33	MP3A	Mx	.006	.5
34	MP3A	X	53.863	4.04
35	MP3A	Z	0	4.04
36	MP3A	Mx	.038	4.04
37	MP1A	X	43.629	4.04
38	MP1A	Z	0	4.04
39	MP1A	Mx	.029	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	48.847	3.04
2	MP2A	Z	28.202	3.04
3	MP2A	Mx	-.024	3.04
4	MP2A	X	48.847	5.04
5	MP2A	Z	28.202	5.04





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP2A	Mx	-.024	5.04
7	M11	X	112.324	2.98
8	M11	Z	64.851	2.98
9	M11	Mx	0	2.98
10	MP5A	X	90.331	1.54
11	MP5A	Z	52.153	1.54
12	MP5A	Mx	-.075	1.54
13	MP5A	X	90.331	6.54
14	MP5A	Z	52.153	6.54
15	MP5A	Mx	-.075	6.54
16	MP3A	X	127.111	1.5
17	MP3A	Z	73.388	1.5
18	MP3A	Mx	-.109	1.5
19	MP3A	X	127.111	3.5
20	MP3A	Z	73.388	3.5
21	MP3A	Mx	-.109	3.5
22	MP3A	X	127.111	1.5
23	MP3A	Z	73.388	1.5
24	MP3A	Mx	-.219	1.5
25	MP3A	X	127.111	3.5
26	MP3A	Z	73.388	3.5
27	MP3A	Mx	-.219	3.5
28	MP3A	X	10.617	.5
29	MP3A	Z	6.13	.5
30	MP3A	Mx	.008	.5
31	MP3A	X	10.617	.5
32	MP3A	Z	6.13	.5
33	MP3A	Mx	.002	.5
34	MP3A	X	52.431	4.04
35	MP3A	Z	30.271	4.04
36	MP3A	Mx	.037	4.04
37	MP1A	X	45.783	4.04
38	MP1A	Z	26.433	4.04
39	MP1A	Mx	.031	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	38.343	3.04
2	MP2A	Z	66.412	3.04
3	MP2A	Mx	-.019	3.04
4	MP2A	X	38.343	5.04
5	MP2A	Z	66.412	5.04
6	MP2A	Mx	-.019	5.04
7	M11	X	59.271	2.98
8	M11	Z	102.661	2.98
9	M11	Mx	0	2.98
10	MP5A	X	69.523	1.54
11	MP5A	Z	120.418	1.54
12	MP5A	Mx	-.058	1.54
13	MP5A	X	69.523	6.54
14	MP5A	Z	120.418	6.54
15	MP5A	Mx	-.058	6.54
16	MP3A	X	106.334	1.5
17	MP3A	Z	184.175	1.5
18	MP3A	Mx	.000783	1.5
19	MP3A	X	106.334	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
20	MP3A	Z	184.175	3.5
21	MP3A	Mx	.000783	3.5
22	MP3A	X	106.334	1.5
23	MP3A	Z	184.175	1.5
24	MP3A	Mx	-.275	1.5
25	MP3A	X	106.334	3.5
26	MP3A	Z	184.175	3.5
27	MP3A	Mx	-.275	3.5
28	MP3A	X	7.358	.5
29	MP3A	Z	12.744	.5
30	MP3A	Mx	.01	.5
31	MP3A	X	7.358	.5
32	MP3A	Z	12.744	.5
33	MP3A	Mx	-.003	.5
34	MP3A	X	36.95	4.04
35	MP3A	Z	63.999	4.04
36	MP3A	Mx	.026	4.04
37	MP1A	X	35.67	4.04
38	MP1A	Z	61.783	4.04
39	MP1A	Mx	.024	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	0	3.04
2	MP2A	Z	86.826	3.04
3	MP2A	Mx	0	3.04
4	MP2A	X	0	5.04
5	MP2A	Z	86.826	5.04
6	MP2A	Mx	0	5.04
7	M11	X	0	2.98
8	M11	Z	96.225	2.98
9	M11	Mx	0	2.98
10	MP5A	X	0	1.54
11	MP5A	Z	156.417	1.54
12	MP5A	Mx	0	1.54
13	MP5A	X	0	6.54
14	MP5A	Z	156.417	6.54
15	MP5A	Mx	0	6.54
16	MP3A	X	0	1.5
17	MP3A	Z	245.613	1.5
18	MP3A	Mx	.184	1.5
19	MP3A	X	0	3.5
20	MP3A	Z	245.613	3.5
21	MP3A	Mx	.184	3.5
22	MP3A	X	0	1.5
23	MP3A	Z	245.613	1.5
24	MP3A	Mx	-.184	1.5
25	MP3A	X	0	3.5
26	MP3A	Z	245.613	3.5
27	MP3A	Mx	-.184	3.5
28	MP3A	X	0	.5
29	MP3A	Z	15.943	.5
30	MP3A	Mx	.008	.5
31	MP3A	X	0	.5
32	MP3A	Z	15.943	.5
33	MP3A	Mx	-.008	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
34	MP3A	X	0	4.04
35	MP3A	Z	80.578	4.04
36	MP3A	Mx	0	4.04
37	MP1A	X	0	4.04
38	MP1A	Z	80.578	4.04
39	MP1A	Mx	0	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-38.343	3.04
2	MP2A	Z	66.412	3.04
3	MP2A	Mx	.019	3.04
4	MP2A	X	-38.343	5.04
5	MP2A	Z	66.412	5.04
6	MP2A	Mx	.019	5.04
7	M11	X	-42.533	2.98
8	M11	Z	73.67	2.98
9	M11	Mx	0	2.98
10	MP5A	X	-69.523	1.54
11	MP5A	Z	120.418	1.54
12	MP5A	Mx	.058	1.54
13	MP5A	X	-69.523	6.54
14	MP5A	Z	120.418	6.54
15	MP5A	Mx	.058	6.54
16	MP3A	X	-106.334	1.5
17	MP3A	Z	184.175	1.5
18	MP3A	Mx	.275	1.5
19	MP3A	X	-106.334	3.5
20	MP3A	Z	184.175	3.5
21	MP3A	Mx	.275	3.5
22	MP3A	X	-106.334	1.5
23	MP3A	Z	184.175	1.5
24	MP3A	Mx	-.000783	1.5
25	MP3A	X	-106.334	3.5
26	MP3A	Z	184.175	3.5
27	MP3A	Mx	-.000783	3.5
28	MP3A	X	-7.358	.5
29	MP3A	Z	12.744	.5
30	MP3A	Mx	.003	.5
31	MP3A	X	-7.358	.5
32	MP3A	Z	12.744	.5
33	MP3A	Mx	-.01	.5
34	MP3A	X	-36.95	4.04
35	MP3A	Z	63.999	4.04
36	MP3A	Mx	-.026	4.04
37	MP1A	X	-35.67	4.04
38	MP1A	Z	61.783	4.04
39	MP1A	Mx	-.024	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-48.847	3.04
2	MP2A	Z	28.202	3.04
3	MP2A	Mx	.024	3.04
4	MP2A	X	-48.847	5.04
5	MP2A	Z	28.202	5.04



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP2A	Mx	.024	5.04
7	M11	X	-83.334	2.98
8	M11	Z	48.113	2.98
9	M11	Mx	0	2.98
10	MP5A	X	-90.331	1.54
11	MP5A	Z	52.153	1.54
12	MP5A	Mx	.075	1.54
13	MP5A	X	-90.331	6.54
14	MP5A	Z	52.153	6.54
15	MP5A	Mx	.075	6.54
16	MP3A	X	-127.111	1.5
17	MP3A	Z	73.388	1.5
18	MP3A	Mx	.219	1.5
19	MP3A	X	-127.111	3.5
20	MP3A	Z	73.388	3.5
21	MP3A	Mx	.219	3.5
22	MP3A	X	-127.111	1.5
23	MP3A	Z	73.388	1.5
24	MP3A	Mx	.109	1.5
25	MP3A	X	-127.111	3.5
26	MP3A	Z	73.388	3.5
27	MP3A	Mx	.109	3.5
28	MP3A	X	-10.617	.5
29	MP3A	Z	6.13	.5
30	MP3A	Mx	-.002	.5
31	MP3A	X	-10.617	.5
32	MP3A	Z	6.13	.5
33	MP3A	Mx	-.008	.5
34	MP3A	X	-52.431	4.04
35	MP3A	Z	30.271	4.04
36	MP3A	Mx	-.037	4.04
37	MP1A	X	-45.783	4.04
38	MP1A	Z	26.433	4.04
39	MP1A	Mx	-.031	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-46.262	3.04
2	MP2A	Z	0	3.04
3	MP2A	Mx	.023	3.04
4	MP2A	X	-46.262	5.04
5	MP2A	Z	0	5.04
6	MP2A	Mx	.023	5.04
7	M11	X	-118.543	2.98
8	M11	Z	0	2.98
9	M11	Mx	0	2.98
10	MP5A	X	-86.934	1.54
11	MP5A	Z	0	1.54
12	MP5A	Mx	.072	1.54
13	MP5A	X	-86.934	6.54
14	MP5A	Z	0	6.54
15	MP5A	Mx	.072	6.54
16	MP3A	X	-113.83	1.5
17	MP3A	Z	0	1.5
18	MP3A	Mx	.147	1.5
19	MP3A	X	-113.83	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
20	MP3A	Z	0	3.5
21	MP3A	Mx	.147	3.5
22	MP3A	X	-113.83	1.5
23	MP3A	Z	0	1.5
24	MP3A	Mx	.147	1.5
25	MP3A	X	-113.83	3.5
26	MP3A	Z	0	3.5
27	MP3A	Mx	.147	3.5
28	MP3A	X	-11.031	.5
29	MP3A	Z	0	.5
30	MP3A	Mx	-.006	.5
31	MP3A	X	-11.031	.5
32	MP3A	Z	0	.5
33	MP3A	Mx	-.006	.5
34	MP3A	X	-53.863	4.04
35	MP3A	Z	0	4.04
36	MP3A	Mx	-.038	4.04
37	MP1A	X	-43.629	4.04
38	MP1A	Z	0	4.04
39	MP1A	Mx	-.029	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-48.847	3.04
2	MP2A	Z	-28.202	3.04
3	MP2A	Mx	.024	3.04
4	MP2A	X	-48.847	5.04
5	MP2A	Z	-28.202	5.04
6	MP2A	Mx	.024	5.04
7	M11	X	-112.324	2.98
8	M11	Z	-64.851	2.98
9	M11	Mx	0	2.98
10	MP5A	X	-90.331	1.54
11	MP5A	Z	-52.153	1.54
12	MP5A	Mx	.075	1.54
13	MP5A	X	-90.331	6.54
14	MP5A	Z	-52.153	6.54
15	MP5A	Mx	.075	6.54
16	MP3A	X	-127.111	1.5
17	MP3A	Z	-73.388	1.5
18	MP3A	Mx	.109	1.5
19	MP3A	X	-127.111	3.5
20	MP3A	Z	-73.388	3.5
21	MP3A	Mx	.109	3.5
22	MP3A	X	-127.111	1.5
23	MP3A	Z	-73.388	1.5
24	MP3A	Mx	.219	1.5
25	MP3A	X	-127.111	3.5
26	MP3A	Z	-73.388	3.5
27	MP3A	Mx	.219	3.5
28	MP3A	X	-10.617	.5
29	MP3A	Z	-6.13	.5
30	MP3A	Mx	-.008	.5
31	MP3A	X	-10.617	.5
32	MP3A	Z	-6.13	.5
33	MP3A	Mx	-.002	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
34	MP3A	X	-52.431	4.04
35	MP3A	Z	-30.271	4.04
36	MP3A	Mx	-.037	4.04
37	MP1A	X	-45.783	4.04
38	MP1A	Z	-26.433	4.04
39	MP1A	Mx	-.031	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-38.343	3.04
2	MP2A	Z	-66.412	3.04
3	MP2A	Mx	.019	3.04
4	MP2A	X	-38.343	5.04
5	MP2A	Z	-66.412	5.04
6	MP2A	Mx	.019	5.04
7	M11	X	-59.271	2.98
8	M11	Z	-102.661	2.98
9	M11	Mx	0	2.98
10	MP5A	X	-69.523	1.54
11	MP5A	Z	-120.418	1.54
12	MP5A	Mx	.058	1.54
13	MP5A	X	-69.523	6.54
14	MP5A	Z	-120.418	6.54
15	MP5A	Mx	.058	6.54
16	MP3A	X	-106.334	1.5
17	MP3A	Z	-184.175	1.5
18	MP3A	Mx	-.000783	1.5
19	MP3A	X	-106.334	3.5
20	MP3A	Z	-184.175	3.5
21	MP3A	Mx	-.000783	3.5
22	MP3A	X	-106.334	1.5
23	MP3A	Z	-184.175	1.5
24	MP3A	Mx	.275	1.5
25	MP3A	X	-106.334	3.5
26	MP3A	Z	-184.175	3.5
27	MP3A	Mx	.275	3.5
28	MP3A	X	-7.358	.5
29	MP3A	Z	-12.744	.5
30	MP3A	Mx	-.01	.5
31	MP3A	X	-7.358	.5
32	MP3A	Z	-12.744	.5
33	MP3A	Mx	.003	.5
34	MP3A	X	-36.95	4.04
35	MP3A	Z	-63.999	4.04
36	MP3A	Mx	-.026	4.04
37	MP1A	X	-35.67	4.04
38	MP1A	Z	-61.783	4.04
39	MP1A	Mx	-.024	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	3.04
2	MP2A	Z	-17.121	3.04
3	MP2A	Mx	0	3.04
4	MP2A	X	0	5.04
5	MP2A	Z	-17.121	5.04



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP2A	Mx	0	5.04
7	M11	X	0	2.98
8	M11	Z	-19.829	2.98
9	M11	Mx	0	2.98
10	MP5A	X	0	1.54
11	MP5A	Z	-30.155	1.54
12	MP5A	Mx	0	1.54
13	MP5A	X	0	6.54
14	MP5A	Z	-30.155	6.54
15	MP5A	Mx	0	6.54
16	MP3A	X	0	1.5
17	MP3A	Z	-46.172	1.5
18	MP3A	Mx	-.035	1.5
19	MP3A	X	0	3.5
20	MP3A	Z	-46.172	3.5
21	MP3A	Mx	-.035	3.5
22	MP3A	X	0	1.5
23	MP3A	Z	-46.172	1.5
24	MP3A	Mx	.035	1.5
25	MP3A	X	0	3.5
26	MP3A	Z	-46.172	3.5
27	MP3A	Mx	.035	3.5
28	MP3A	X	0	.5
29	MP3A	Z	-4.073	.5
30	MP3A	Mx	-.002	.5
31	MP3A	X	0	.5
32	MP3A	Z	-4.073	.5
33	MP3A	Mx	.002	.5
34	MP3A	X	0	4.04
35	MP3A	Z	-16.758	4.04
36	MP3A	Mx	0	4.04
37	MP1A	X	0	4.04
38	MP1A	Z	-16.758	4.04
39	MP1A	Mx	0	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	7.623	3.04
2	MP2A	Z	-13.203	3.04
3	MP2A	Mx	-.004	3.04
4	MP2A	X	7.623	5.04
5	MP2A	Z	-13.203	5.04
6	MP2A	Mx	-.004	5.04
7	M11	X	8.89	2.98
8	M11	Z	-15.397	2.98
9	M11	Mx	0	2.98
10	MP5A	X	13.541	1.54
11	MP5A	Z	-23.454	1.54
12	MP5A	Mx	-.011	1.54
13	MP5A	X	13.541	6.54
14	MP5A	Z	-23.454	6.54
15	MP5A	Mx	-.011	6.54
16	MP3A	X	20.163	1.5
17	MP3A	Z	-34.923	1.5
18	MP3A	Mx	-.052	1.5
19	MP3A	X	20.163	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
20	MP3A	Z	-34.923	3.5
21	MP3A	Mx	-.052	3.5
22	MP3A	X	20.163	1.5
23	MP3A	Z	-34.923	1.5
24	MP3A	Mx	.000148	1.5
25	MP3A	X	20.163	3.5
26	MP3A	Z	-34.923	3.5
27	MP3A	Mx	.000148	3.5
28	MP3A	X	1.91	.5
29	MP3A	Z	-3.308	.5
30	MP3A	Mx	-.000699	.5
31	MP3A	X	1.91	.5
32	MP3A	Z	-3.308	.5
33	MP3A	Mx	.003	.5
34	MP3A	X	7.742	4.04
35	MP3A	Z	-13.409	4.04
36	MP3A	Mx	.005	4.04
37	MP1A	X	7.5	4.04
38	MP1A	Z	-12.99	4.04
39	MP1A	Mx	.005	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	9.953	3.04
2	MP2A	Z	-5.747	3.04
3	MP2A	Mx	-.005	3.04
4	MP2A	X	9.953	5.04
5	MP2A	Z	-5.747	5.04
6	MP2A	Mx	-.005	5.04
7	M11	X	17.172	2.98
8	M11	Z	-9.914	2.98
9	M11	Mx	0	2.98
10	MP5A	X	18.131	1.54
11	MP5A	Z	-10.468	1.54
12	MP5A	Mx	-.015	1.54
13	MP5A	X	18.131	6.54
14	MP5A	Z	-10.468	6.54
15	MP5A	Mx	-.015	6.54
16	MP3A	X	24.796	1.5
17	MP3A	Z	-14.316	1.5
18	MP3A	Mx	-.043	1.5
19	MP3A	X	24.796	3.5
20	MP3A	Z	-14.316	3.5
21	MP3A	Mx	-.043	3.5
22	MP3A	X	24.796	1.5
23	MP3A	Z	-14.316	1.5
24	MP3A	Mx	-.021	1.5
25	MP3A	X	24.796	3.5
26	MP3A	Z	-14.316	3.5
27	MP3A	Mx	-.021	3.5
28	MP3A	X	2.868	.5
29	MP3A	Z	-1.656	.5
30	MP3A	Mx	.000606	.5
31	MP3A	X	2.868	.5
32	MP3A	Z	-1.656	.5
33	MP3A	Mx	.002	.5





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
34	MP3A	X	11.202	4.04
35	MP3A	Z	-6.467	4.04
36	MP3A	Mx	.008	4.04
37	MP1A	X	9.944	4.04
38	MP1A	Z	-5.741	4.04
39	MP1A	Mx	.007	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	9.617	3.04
2	MP2A	Z	0	3.04
3	MP2A	Mx	-.005	3.04
4	MP2A	X	9.617	5.04
5	MP2A	Z	0	5.04
6	MP2A	Mx	-.005	5.04
7	M11	X	23.928	2.98
8	M11	Z	0	2.98
9	M11	Mx	0	2.98
10	MP5A	X	17.863	1.54
11	MP5A	Z	0	1.54
12	MP5A	Mx	-.015	1.54
13	MP5A	X	17.863	6.54
14	MP5A	Z	0	6.54
15	MP5A	Mx	-.015	6.54
16	MP3A	X	22.785	1.5
17	MP3A	Z	0	1.5
18	MP3A	Mx	-.029	1.5
19	MP3A	X	22.785	3.5
20	MP3A	Z	0	3.5
21	MP3A	Mx	-.029	3.5
22	MP3A	X	22.785	1.5
23	MP3A	Z	0	1.5
24	MP3A	Mx	-.029	1.5
25	MP3A	X	22.785	3.5
26	MP3A	Z	0	3.5
27	MP3A	Mx	-.029	3.5
28	MP3A	X	3.058	.5
29	MP3A	Z	0	.5
30	MP3A	Mx	.002	.5
31	MP3A	X	3.058	.5
32	MP3A	Z	0	.5
33	MP3A	Mx	.002	.5
34	MP3A	X	11.66	4.04
35	MP3A	Z	0	4.04
36	MP3A	Mx	.008	4.04
37	MP1A	X	9.723	4.04
38	MP1A	Z	0	4.04
39	MP1A	Mx	.006	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	9.953	3.04
2	MP2A	Z	5.747	3.04
3	MP2A	Mx	-.005	3.04
4	MP2A	X	9.953	5.04
5	MP2A	Z	5.747	5.04



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP2A	Mx	-.005	5.04
7	M11	X	22.498	2.98
8	M11	Z	12.989	2.98
9	M11	Mx	0	2.98
10	MP5A	X	18.131	1.54
11	MP5A	Z	10.468	1.54
12	MP5A	Mx	-.015	1.54
13	MP5A	X	18.131	6.54
14	MP5A	Z	10.468	6.54
15	MP5A	Mx	-.015	6.54
16	MP3A	X	24.796	1.5
17	MP3A	Z	14.316	1.5
18	MP3A	Mx	-.021	1.5
19	MP3A	X	24.796	3.5
20	MP3A	Z	14.316	3.5
21	MP3A	Mx	-.021	3.5
22	MP3A	X	24.796	1.5
23	MP3A	Z	14.316	1.5
24	MP3A	Mx	-.043	1.5
25	MP3A	X	24.796	3.5
26	MP3A	Z	14.316	3.5
27	MP3A	Mx	-.043	3.5
28	MP3A	X	2.868	.5
29	MP3A	Z	1.656	.5
30	MP3A	Mx	.002	.5
31	MP3A	X	2.868	.5
32	MP3A	Z	1.656	.5
33	MP3A	Mx	.000606	.5
34	MP3A	X	11.202	4.04
35	MP3A	Z	6.467	4.04
36	MP3A	Mx	.008	4.04
37	MP1A	X	9.944	4.04
38	MP1A	Z	5.741	4.04
39	MP1A	Mx	.007	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	7.623	3.04
2	MP2A	Z	13.203	3.04
3	MP2A	Mx	-.004	3.04
4	MP2A	X	7.623	5.04
5	MP2A	Z	13.203	5.04
6	MP2A	Mx	-.004	5.04
7	M11	X	11.964	2.98
8	M11	Z	20.723	2.98
9	M11	Mx	0	2.98
10	MP5A	X	13.541	1.54
11	MP5A	Z	23.454	1.54
12	MP5A	Mx	-.011	1.54
13	MP5A	X	13.541	6.54
14	MP5A	Z	23.454	6.54
15	MP5A	Mx	-.011	6.54
16	MP3A	X	20.163	1.5
17	MP3A	Z	34.923	1.5
18	MP3A	Mx	.000148	1.5
19	MP3A	X	20.163	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
20	MP3A	Z	34.923	3.5
21	MP3A	Mx	.000148	3.5
22	MP3A	X	20.163	1.5
23	MP3A	Z	34.923	1.5
24	MP3A	Mx	-.052	1.5
25	MP3A	X	20.163	3.5
26	MP3A	Z	34.923	3.5
27	MP3A	Mx	-.052	3.5
28	MP3A	X	1.91	.5
29	MP3A	Z	3.308	.5
30	MP3A	Mx	.003	.5
31	MP3A	X	1.91	.5
32	MP3A	Z	3.308	.5
33	MP3A	Mx	-.000699	.5
34	MP3A	X	7.742	4.04
35	MP3A	Z	13.409	4.04
36	MP3A	Mx	.005	4.04
37	MP1A	X	7.5	4.04
38	MP1A	Z	12.99	4.04
39	MP1A	Mx	.005	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	3.04
2	MP2A	Z	17.121	3.04
3	MP2A	Mx	0	3.04
4	MP2A	X	0	5.04
5	MP2A	Z	17.121	5.04
6	MP2A	Mx	0	5.04
7	M11	X	0	2.98
8	M11	Z	19.829	2.98
9	M11	Mx	0	2.98
10	MP5A	X	0	1.54
11	MP5A	Z	30.155	1.54
12	MP5A	Mx	0	1.54
13	MP5A	X	0	6.54
14	MP5A	Z	30.155	6.54
15	MP5A	Mx	0	6.54
16	MP3A	X	0	1.5
17	MP3A	Z	46.172	1.5
18	MP3A	Mx	.035	1.5
19	MP3A	X	0	3.5
20	MP3A	Z	46.172	3.5
21	MP3A	Mx	.035	3.5
22	MP3A	X	0	1.5
23	MP3A	Z	46.172	1.5
24	MP3A	Mx	-.035	1.5
25	MP3A	X	0	3.5
26	MP3A	Z	46.172	3.5
27	MP3A	Mx	-.035	3.5
28	MP3A	X	0	.5
29	MP3A	Z	4.073	.5
30	MP3A	Mx	.002	.5
31	MP3A	X	0	.5
32	MP3A	Z	4.073	.5
33	MP3A	Mx	-.002	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
34	MP3A	X	0	4.04
35	MP3A	Z	16.758	4.04
36	MP3A	Mx	0	4.04
37	MP1A	X	0	4.04
38	MP1A	Z	16.758	4.04
39	MP1A	Mx	0	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-7.623	3.04
2	MP2A	Z	13.203	3.04
3	MP2A	Mx	.004	3.04
4	MP2A	X	-7.623	5.04
5	MP2A	Z	13.203	5.04
6	MP2A	Mx	.004	5.04
7	M11	X	-8.89	2.98
8	M11	Z	15.397	2.98
9	M11	Mx	0	2.98
10	MP5A	X	-13.541	1.54
11	MP5A	Z	23.454	1.54
12	MP5A	Mx	.011	1.54
13	MP5A	X	-13.541	6.54
14	MP5A	Z	23.454	6.54
15	MP5A	Mx	.011	6.54
16	MP3A	X	-20.163	1.5
17	MP3A	Z	34.923	1.5
18	MP3A	Mx	.052	1.5
19	MP3A	X	-20.163	3.5
20	MP3A	Z	34.923	3.5
21	MP3A	Mx	.052	3.5
22	MP3A	X	-20.163	1.5
23	MP3A	Z	34.923	1.5
24	MP3A	Mx	-.000148	1.5
25	MP3A	X	-20.163	3.5
26	MP3A	Z	34.923	3.5
27	MP3A	Mx	-.000148	3.5
28	MP3A	X	-1.91	.5
29	MP3A	Z	3.308	.5
30	MP3A	Mx	.000699	.5
31	MP3A	X	-1.91	.5
32	MP3A	Z	3.308	.5
33	MP3A	Mx	-.003	.5
34	MP3A	X	-7.742	4.04
35	MP3A	Z	13.409	4.04
36	MP3A	Mx	-.005	4.04
37	MP1A	X	-7.5	4.04
38	MP1A	Z	12.99	4.04
39	MP1A	Mx	-.005	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-9.953	3.04
2	MP2A	Z	5.747	3.04
3	MP2A	Mx	.005	3.04
4	MP2A	X	-9.953	5.04
5	MP2A	Z	5.747	5.04



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP2A	Mx	.005	5.04
7	M11	X	-17.172	2.98
8	M11	Z	9.914	2.98
9	M11	Mx	0	2.98
10	MP5A	X	-18.131	1.54
11	MP5A	Z	10.468	1.54
12	MP5A	Mx	.015	1.54
13	MP5A	X	-18.131	6.54
14	MP5A	Z	10.468	6.54
15	MP5A	Mx	.015	6.54
16	MP3A	X	-24.796	1.5
17	MP3A	Z	14.316	1.5
18	MP3A	Mx	.043	1.5
19	MP3A	X	-24.796	3.5
20	MP3A	Z	14.316	3.5
21	MP3A	Mx	.043	3.5
22	MP3A	X	-24.796	1.5
23	MP3A	Z	14.316	1.5
24	MP3A	Mx	.021	1.5
25	MP3A	X	-24.796	3.5
26	MP3A	Z	14.316	3.5
27	MP3A	Mx	.021	3.5
28	MP3A	X	-2.868	.5
29	MP3A	Z	1.656	.5
30	MP3A	Mx	-.000606	.5
31	MP3A	X	-2.868	.5
32	MP3A	Z	1.656	.5
33	MP3A	Mx	-.002	.5
34	MP3A	X	-11.202	4.04
35	MP3A	Z	6.467	4.04
36	MP3A	Mx	-.008	4.04
37	MP1A	X	-9.944	4.04
38	MP1A	Z	5.741	4.04
39	MP1A	Mx	-.007	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-9.617	3.04
2	MP2A	Z	0	3.04
3	MP2A	Mx	.005	3.04
4	MP2A	X	-9.617	5.04
5	MP2A	Z	0	5.04
6	MP2A	Mx	.005	5.04
7	M11	X	-23.928	2.98
8	M11	Z	0	2.98
9	M11	Mx	0	2.98
10	MP5A	X	-17.863	1.54
11	MP5A	Z	0	1.54
12	MP5A	Mx	.015	1.54
13	MP5A	X	-17.863	6.54
14	MP5A	Z	0	6.54
15	MP5A	Mx	.015	6.54
16	MP3A	X	-22.785	1.5
17	MP3A	Z	0	1.5
18	MP3A	Mx	.029	1.5
19	MP3A	X	-22.785	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
20	MP3A	Z	0	3.5
21	MP3A	Mx	.029	3.5
22	MP3A	X	-22.785	1.5
23	MP3A	Z	0	1.5
24	MP3A	Mx	.029	1.5
25	MP3A	X	-22.785	3.5
26	MP3A	Z	0	3.5
27	MP3A	Mx	.029	3.5
28	MP3A	X	-3.058	.5
29	MP3A	Z	0	.5
30	MP3A	Mx	-.002	.5
31	MP3A	X	-3.058	.5
32	MP3A	Z	0	.5
33	MP3A	Mx	-.002	.5
34	MP3A	X	-11.66	4.04
35	MP3A	Z	0	4.04
36	MP3A	Mx	-.008	4.04
37	MP1A	X	-9.723	4.04
38	MP1A	Z	0	4.04
39	MP1A	Mx	-.006	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-9.953	3.04
2	MP2A	Z	-5.747	3.04
3	MP2A	Mx	.005	3.04
4	MP2A	X	-9.953	5.04
5	MP2A	Z	-5.747	5.04
6	MP2A	Mx	.005	5.04
7	M11	X	-22.498	2.98
8	M11	Z	-12.989	2.98
9	M11	Mx	0	2.98
10	MP5A	X	-18.131	1.54
11	MP5A	Z	-10.468	1.54
12	MP5A	Mx	.015	1.54
13	MP5A	X	-18.131	6.54
14	MP5A	Z	-10.468	6.54
15	MP5A	Mx	.015	6.54
16	MP3A	X	-24.796	1.5
17	MP3A	Z	-14.316	1.5
18	MP3A	Mx	.021	1.5
19	MP3A	X	-24.796	3.5
20	MP3A	Z	-14.316	3.5
21	MP3A	Mx	.021	3.5
22	MP3A	X	-24.796	1.5
23	MP3A	Z	-14.316	1.5
24	MP3A	Mx	.043	1.5
25	MP3A	X	-24.796	3.5
26	MP3A	Z	-14.316	3.5
27	MP3A	Mx	.043	3.5
28	MP3A	X	-2.868	.5
29	MP3A	Z	-1.656	.5
30	MP3A	Mx	-.002	.5
31	MP3A	X	-2.868	.5
32	MP3A	Z	-1.656	.5
33	MP3A	Mx	-.000606	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
34	MP3A	X	-11.202	4.04
35	MP3A	Z	-6.467	4.04
36	MP3A	Mx	-.008	4.04
37	MP1A	X	-9.944	4.04
38	MP1A	Z	-5.741	4.04
39	MP1A	Mx	-.007	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-7.623	3.04
2	MP2A	Z	-13.203	3.04
3	MP2A	Mx	.004	3.04
4	MP2A	X	-7.623	5.04
5	MP2A	Z	-13.203	5.04
6	MP2A	Mx	.004	5.04
7	M11	X	-11.964	2.98
8	M11	Z	-20.723	2.98
9	M11	Mx	0	2.98
10	MP5A	X	-13.541	1.54
11	MP5A	Z	-23.454	1.54
12	MP5A	Mx	.011	1.54
13	MP5A	X	-13.541	6.54
14	MP5A	Z	-23.454	6.54
15	MP5A	Mx	.011	6.54
16	MP3A	X	-20.163	1.5
17	MP3A	Z	-34.923	1.5
18	MP3A	Mx	-.000148	1.5
19	MP3A	X	-20.163	3.5
20	MP3A	Z	-34.923	3.5
21	MP3A	Mx	-.000148	3.5
22	MP3A	X	-20.163	1.5
23	MP3A	Z	-34.923	1.5
24	MP3A	Mx	.052	1.5
25	MP3A	X	-20.163	3.5
26	MP3A	Z	-34.923	3.5
27	MP3A	Mx	.052	3.5
28	MP3A	X	-1.91	.5
29	MP3A	Z	-3.308	.5
30	MP3A	Mx	-.003	.5
31	MP3A	X	-1.91	.5
32	MP3A	Z	-3.308	.5
33	MP3A	Mx	.000699	.5
34	MP3A	X	-7.742	4.04
35	MP3A	Z	-13.409	4.04
36	MP3A	Mx	-.005	4.04
37	MP1A	X	-7.5	4.04
38	MP1A	Z	-12.99	4.04
39	MP1A	Mx	-.005	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	3.04
2	MP2A	Z	-15.074	3.04
3	MP2A	Mx	0	3.04
4	MP2A	X	0	5.04
5	MP2A	Z	-15.074	5.04



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP2A	Mx	0	5.04
7	M11	X	0	2.98
8	M11	Z	-16.706	2.98
9	M11	Mx	0	2.98
10	MP5A	X	0	1.54
11	MP5A	Z	-27.156	1.54
12	MP5A	Mx	0	1.54
13	MP5A	X	0	6.54
14	MP5A	Z	-27.156	6.54
15	MP5A	Mx	0	6.54
16	MP3A	X	0	1.5
17	MP3A	Z	-42.641	1.5
18	MP3A	Mx	-.032	1.5
19	MP3A	X	0	3.5
20	MP3A	Z	-42.641	3.5
21	MP3A	Mx	-.032	3.5
22	MP3A	X	0	1.5
23	MP3A	Z	-42.641	1.5
24	MP3A	Mx	.032	1.5
25	MP3A	X	0	3.5
26	MP3A	Z	-42.641	3.5
27	MP3A	Mx	.032	3.5
28	MP3A	X	0	.5
29	MP3A	Z	-2.768	.5
30	MP3A	Mx	-.001	.5
31	MP3A	X	0	.5
32	MP3A	Z	-2.768	.5
33	MP3A	Mx	.001	.5
34	MP3A	X	0	4.04
35	MP3A	Z	-13.989	4.04
36	MP3A	Mx	0	4.04
37	MP1A	X	0	4.04
38	MP1A	Z	-13.989	4.04
39	MP1A	Mx	0	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	6.657	3.04
2	MP2A	Z	-11.53	3.04
3	MP2A	Mx	-.003	3.04
4	MP2A	X	6.657	5.04
5	MP2A	Z	-11.53	5.04
6	MP2A	Mx	-.003	5.04
7	M11	X	7.384	2.98
8	M11	Z	-12.79	2.98
9	M11	Mx	0	2.98
10	MP5A	X	12.07	1.54
11	MP5A	Z	-20.906	1.54
12	MP5A	Mx	-.01	1.54
13	MP5A	X	12.07	6.54
14	MP5A	Z	-20.906	6.54
15	MP5A	Mx	-.01	6.54
16	MP3A	X	18.461	1.5
17	MP3A	Z	-31.975	1.5
18	MP3A	Mx	-.048	1.5
19	MP3A	X	18.461	3.5





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
20	MP3A	Z	-31.975	3.5
21	MP3A	Mx	-.048	3.5
22	MP3A	X	18.461	1.5
23	MP3A	Z	-31.975	1.5
24	MP3A	Mx	.000136	1.5
25	MP3A	X	18.461	3.5
26	MP3A	Z	-31.975	3.5
27	MP3A	Mx	.000136	3.5
28	MP3A	X	1.277	.5
29	MP3A	Z	-2.212	.5
30	MP3A	Mx	-.000468	.5
31	MP3A	X	1.277	.5
32	MP3A	Z	-2.212	.5
33	MP3A	Mx	.002	.5
34	MP3A	X	6.415	4.04
35	MP3A	Z	-11.111	4.04
36	MP3A	Mx	.005	4.04
37	MP1A	X	6.193	4.04
38	MP1A	Z	-10.726	4.04
39	MP1A	Mx	.004	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	8.48	3.04
2	MP2A	Z	-4.896	3.04
3	MP2A	Mx	-.004	3.04
4	MP2A	X	8.48	5.04
5	MP2A	Z	-4.896	5.04
6	MP2A	Mx	-.004	5.04
7	M11	X	14.468	2.98
8	M11	Z	-8.353	2.98
9	M11	Mx	0	2.98
10	MP5A	X	15.682	1.54
11	MP5A	Z	-9.054	1.54
12	MP5A	Mx	-.013	1.54
13	MP5A	X	15.682	6.54
14	MP5A	Z	-9.054	6.54
15	MP5A	Mx	-.013	6.54
16	MP3A	X	22.068	1.5
17	MP3A	Z	-12.741	1.5
18	MP3A	Mx	-.038	1.5
19	MP3A	X	22.068	3.5
20	MP3A	Z	-12.741	3.5
21	MP3A	Mx	-.038	3.5
22	MP3A	X	22.068	1.5
23	MP3A	Z	-12.741	1.5
24	MP3A	Mx	-.019	1.5
25	MP3A	X	22.068	3.5
26	MP3A	Z	-12.741	3.5
27	MP3A	Mx	-.019	3.5
28	MP3A	X	1.843	.5
29	MP3A	Z	-1.064	.5
30	MP3A	Mx	.00039	.5
31	MP3A	X	1.843	.5
32	MP3A	Z	-1.064	.5
33	MP3A	Mx	.001	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
34	MP3A	X	9.103	4.04
35	MP3A	Z	-5.255	4.04
36	MP3A	Mx	.006	4.04
37	MP1A	X	7.949	4.04
38	MP1A	Z	-4.589	4.04
39	MP1A	Mx	.005	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	8.032	3.04
2	MP2A	Z	0	3.04
3	MP2A	Mx	-.004	3.04
4	MP2A	X	8.032	5.04
5	MP2A	Z	0	5.04
6	MP2A	Mx	-.004	5.04
7	M11	X	20.58	2.98
8	M11	Z	0	2.98
9	M11	Mx	0	2.98
10	MP5A	X	15.093	1.54
11	MP5A	Z	0	1.54
12	MP5A	Mx	-.013	1.54
13	MP5A	X	15.093	6.54
14	MP5A	Z	0	6.54
15	MP5A	Mx	-.013	6.54
16	MP3A	X	19.762	1.5
17	MP3A	Z	0	1.5
18	MP3A	Mx	-.026	1.5
19	MP3A	X	19.762	3.5
20	MP3A	Z	0	3.5
21	MP3A	Mx	-.026	3.5
22	MP3A	X	19.762	1.5
23	MP3A	Z	0	1.5
24	MP3A	Mx	-.026	1.5
25	MP3A	X	19.762	3.5
26	MP3A	Z	0	3.5
27	MP3A	Mx	-.026	3.5
28	MP3A	X	1.915	.5
29	MP3A	Z	0	.5
30	MP3A	Mx	.000958	.5
31	MP3A	X	1.915	.5
32	MP3A	Z	0	.5
33	MP3A	Mx	.000958	.5
34	MP3A	X	9.351	4.04
35	MP3A	Z	0	4.04
36	MP3A	Mx	.007	4.04
37	MP1A	X	7.574	4.04
38	MP1A	Z	0	4.04
39	MP1A	Mx	.005	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	8.48	3.04
2	MP2A	Z	4.896	3.04
3	MP2A	Mx	-.004	3.04
4	MP2A	X	8.48	5.04
5	MP2A	Z	4.896	5.04



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP2A	Mx	-0.04	5.04
7	M11	X	19.501	2.98
8	M11	Z	11.259	2.98
9	M11	Mx	0	2.98
10	MP5A	X	15.682	1.54
11	MP5A	Z	9.054	1.54
12	MP5A	Mx	-0.13	1.54
13	MP5A	X	15.682	6.54
14	MP5A	Z	9.054	6.54
15	MP5A	Mx	-0.13	6.54
16	MP3A	X	22.068	1.5
17	MP3A	Z	12.741	1.5
18	MP3A	Mx	-0.19	1.5
19	MP3A	X	22.068	3.5
20	MP3A	Z	12.741	3.5
21	MP3A	Mx	-0.19	3.5
22	MP3A	X	22.068	1.5
23	MP3A	Z	12.741	1.5
24	MP3A	Mx	-0.38	1.5
25	MP3A	X	22.068	3.5
26	MP3A	Z	12.741	3.5
27	MP3A	Mx	-0.38	3.5
28	MP3A	X	1.843	.5
29	MP3A	Z	1.064	.5
30	MP3A	Mx	.001	.5
31	MP3A	X	1.843	.5
32	MP3A	Z	1.064	.5
33	MP3A	Mx	.00039	.5
34	MP3A	X	9.103	4.04
35	MP3A	Z	5.255	4.04
36	MP3A	Mx	.006	4.04
37	MP1A	X	7.949	4.04
38	MP1A	Z	4.589	4.04
39	MP1A	Mx	.005	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	6.657	3.04
2	MP2A	Z	11.53	3.04
3	MP2A	Mx	-0.03	3.04
4	MP2A	X	6.657	5.04
5	MP2A	Z	11.53	5.04
6	MP2A	Mx	-0.03	5.04
7	M11	X	10.29	2.98
8	M11	Z	17.823	2.98
9	M11	Mx	0	2.98
10	MP5A	X	12.07	1.54
11	MP5A	Z	20.906	1.54
12	MP5A	Mx	-0.1	1.54
13	MP5A	X	12.07	6.54
14	MP5A	Z	20.906	6.54
15	MP5A	Mx	-0.1	6.54
16	MP3A	X	18.461	1.5
17	MP3A	Z	31.975	1.5
18	MP3A	Mx	.000136	1.5
19	MP3A	X	18.461	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
20	MP3A	Z	31.975	3.5
21	MP3A	Mx	.000136	3.5
22	MP3A	X	18.461	1.5
23	MP3A	Z	31.975	1.5
24	MP3A	Mx	-.048	1.5
25	MP3A	X	18.461	3.5
26	MP3A	Z	31.975	3.5
27	MP3A	Mx	-.048	3.5
28	MP3A	X	1.277	.5
29	MP3A	Z	2.212	.5
30	MP3A	Mx	.002	.5
31	MP3A	X	1.277	.5
32	MP3A	Z	2.212	.5
33	MP3A	Mx	-.000468	.5
34	MP3A	X	6.415	4.04
35	MP3A	Z	11.111	4.04
36	MP3A	Mx	.005	4.04
37	MP1A	X	6.193	4.04
38	MP1A	Z	10.726	4.04
39	MP1A	Mx	.004	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	0	3.04
2	MP2A	Z	15.074	3.04
3	MP2A	Mx	0	3.04
4	MP2A	X	0	5.04
5	MP2A	Z	15.074	5.04
6	MP2A	Mx	0	5.04
7	M11	X	0	2.98
8	M11	Z	16.706	2.98
9	M11	Mx	0	2.98
10	MP5A	X	0	1.54
11	MP5A	Z	27.156	1.54
12	MP5A	Mx	0	1.54
13	MP5A	X	0	6.54
14	MP5A	Z	27.156	6.54
15	MP5A	Mx	0	6.54
16	MP3A	X	0	1.5
17	MP3A	Z	42.641	1.5
18	MP3A	Mx	.032	1.5
19	MP3A	X	0	3.5
20	MP3A	Z	42.641	3.5
21	MP3A	Mx	.032	3.5
22	MP3A	X	0	1.5
23	MP3A	Z	42.641	1.5
24	MP3A	Mx	-.032	1.5
25	MP3A	X	0	3.5
26	MP3A	Z	42.641	3.5
27	MP3A	Mx	-.032	3.5
28	MP3A	X	0	.5
29	MP3A	Z	2.768	.5
30	MP3A	Mx	.001	.5
31	MP3A	X	0	.5
32	MP3A	Z	2.768	.5
33	MP3A	Mx	-.001	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
34	MP3A	X	0	4.04
35	MP3A	Z	13.989	4.04
36	MP3A	Mx	0	4.04
37	MP1A	X	0	4.04
38	MP1A	Z	13.989	4.04
39	MP1A	Mx	0	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-6.657	3.04
2	MP2A	Z	11.53	3.04
3	MP2A	Mx	.003	3.04
4	MP2A	X	-6.657	5.04
5	MP2A	Z	11.53	5.04
6	MP2A	Mx	.003	5.04
7	M11	X	-7.384	2.98
8	M11	Z	12.79	2.98
9	M11	Mx	0	2.98
10	MP5A	X	-12.07	1.54
11	MP5A	Z	20.906	1.54
12	MP5A	Mx	.01	1.54
13	MP5A	X	-12.07	6.54
14	MP5A	Z	20.906	6.54
15	MP5A	Mx	.01	6.54
16	MP3A	X	-18.461	1.5
17	MP3A	Z	31.975	1.5
18	MP3A	Mx	.048	1.5
19	MP3A	X	-18.461	3.5
20	MP3A	Z	31.975	3.5
21	MP3A	Mx	.048	3.5
22	MP3A	X	-18.461	1.5
23	MP3A	Z	31.975	1.5
24	MP3A	Mx	-.000136	1.5
25	MP3A	X	-18.461	3.5
26	MP3A	Z	31.975	3.5
27	MP3A	Mx	-.000136	3.5
28	MP3A	X	-1.277	.5
29	MP3A	Z	2.212	.5
30	MP3A	Mx	.000468	.5
31	MP3A	X	-1.277	.5
32	MP3A	Z	2.212	.5
33	MP3A	Mx	-.002	.5
34	MP3A	X	-6.415	4.04
35	MP3A	Z	11.111	4.04
36	MP3A	Mx	-.005	4.04
37	MP1A	X	-6.193	4.04
38	MP1A	Z	10.726	4.04
39	MP1A	Mx	-.004	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	-8.48	3.04
2	MP2A	Z	4.896	3.04
3	MP2A	Mx	.004	3.04
4	MP2A	X	-8.48	5.04
5	MP2A	Z	4.896	5.04



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP2A	Mx	.004	5.04
7	M11	X	-14.468	2.98
8	M11	Z	8.353	2.98
9	M11	Mx	0	2.98
10	MP5A	X	-15.682	1.54
11	MP5A	Z	9.054	1.54
12	MP5A	Mx	.013	1.54
13	MP5A	X	-15.682	6.54
14	MP5A	Z	9.054	6.54
15	MP5A	Mx	.013	6.54
16	MP3A	X	-22.068	1.5
17	MP3A	Z	12.741	1.5
18	MP3A	Mx	.038	1.5
19	MP3A	X	-22.068	3.5
20	MP3A	Z	12.741	3.5
21	MP3A	Mx	.038	3.5
22	MP3A	X	-22.068	1.5
23	MP3A	Z	12.741	1.5
24	MP3A	Mx	.019	1.5
25	MP3A	X	-22.068	3.5
26	MP3A	Z	12.741	3.5
27	MP3A	Mx	.019	3.5
28	MP3A	X	-1.843	.5
29	MP3A	Z	1.064	.5
30	MP3A	Mx	-.00039	.5
31	MP3A	X	-1.843	.5
32	MP3A	Z	1.064	.5
33	MP3A	Mx	-.001	.5
34	MP3A	X	-9.103	4.04
35	MP3A	Z	5.255	4.04
36	MP3A	Mx	-.006	4.04
37	MP1A	X	-7.949	4.04
38	MP1A	Z	4.589	4.04
39	MP1A	Mx	-.005	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-8.032	3.04
2	MP2A	Z	0	3.04
3	MP2A	Mx	.004	3.04
4	MP2A	X	-8.032	5.04
5	MP2A	Z	0	5.04
6	MP2A	Mx	.004	5.04
7	M11	X	-20.58	2.98
8	M11	Z	0	2.98
9	M11	Mx	0	2.98
10	MP5A	X	-15.093	1.54
11	MP5A	Z	0	1.54
12	MP5A	Mx	.013	1.54
13	MP5A	X	-15.093	6.54
14	MP5A	Z	0	6.54
15	MP5A	Mx	.013	6.54
16	MP3A	X	-19.762	1.5
17	MP3A	Z	0	1.5
18	MP3A	Mx	.026	1.5
19	MP3A	X	-19.762	3.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
20	MP3A	Z	0	3.5
21	MP3A	Mx	.026	3.5
22	MP3A	X	-19.762	1.5
23	MP3A	Z	0	1.5
24	MP3A	Mx	.026	1.5
25	MP3A	X	-19.762	3.5
26	MP3A	Z	0	3.5
27	MP3A	Mx	.026	3.5
28	MP3A	X	-1.915	.5
29	MP3A	Z	0	.5
30	MP3A	Mx	-.000958	.5
31	MP3A	X	-1.915	.5
32	MP3A	Z	0	.5
33	MP3A	Mx	-.000958	.5
34	MP3A	X	-9.351	4.04
35	MP3A	Z	0	4.04
36	MP3A	Mx	-.007	4.04
37	MP1A	X	-7.574	4.04
38	MP1A	Z	0	4.04
39	MP1A	Mx	-.005	4.04

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP2A	X	-8.48	3.04
2	MP2A	Z	-4.896	3.04
3	MP2A	Mx	.004	3.04
4	MP2A	X	-8.48	5.04
5	MP2A	Z	-4.896	5.04
6	MP2A	Mx	.004	5.04
7	M11	X	-19.501	2.98
8	M11	Z	-11.259	2.98
9	M11	Mx	0	2.98
10	MP5A	X	-15.682	1.54
11	MP5A	Z	-9.054	1.54
12	MP5A	Mx	.013	1.54
13	MP5A	X	-15.682	6.54
14	MP5A	Z	-9.054	6.54
15	MP5A	Mx	.013	6.54
16	MP3A	X	-22.068	1.5
17	MP3A	Z	-12.741	1.5
18	MP3A	Mx	.019	1.5
19	MP3A	X	-22.068	3.5
20	MP3A	Z	-12.741	3.5
21	MP3A	Mx	.019	3.5
22	MP3A	X	-22.068	1.5
23	MP3A	Z	-12.741	1.5
24	MP3A	Mx	.038	1.5
25	MP3A	X	-22.068	3.5
26	MP3A	Z	-12.741	3.5
27	MP3A	Mx	.038	3.5
28	MP3A	X	-1.843	.5
29	MP3A	Z	-1.064	.5
30	MP3A	Mx	-.001	.5
31	MP3A	X	-1.843	.5
32	MP3A	Z	-1.064	.5
33	MP3A	Mx	-.00039	.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3A	X	-9.103	4.04
35	MP3A	Z	-5.255	4.04
36	MP3A	Mx	-.006	4.04
37	MP1A	X	-7.949	4.04
38	MP1A	Z	-4.589	4.04
39	MP1A	Mx	-.005	4.04

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.657	3.04
2	MP2A	Z	-11.53	3.04
3	MP2A	Mx	.003	3.04
4	MP2A	X	-6.657	5.04
5	MP2A	Z	-11.53	5.04
6	MP2A	Mx	.003	5.04
7	M11	X	-10.29	2.98
8	M11	Z	-17.823	2.98
9	M11	Mx	0	2.98
10	MP5A	X	-12.07	1.54
11	MP5A	Z	-20.906	1.54
12	MP5A	Mx	.01	1.54
13	MP5A	X	-12.07	6.54
14	MP5A	Z	-20.906	6.54
15	MP5A	Mx	.01	6.54
16	MP3A	X	-18.461	1.5
17	MP3A	Z	-31.975	1.5
18	MP3A	Mx	-.000136	1.5
19	MP3A	X	-18.461	3.5
20	MP3A	Z	-31.975	3.5
21	MP3A	Mx	-.000136	3.5
22	MP3A	X	-18.461	1.5
23	MP3A	Z	-31.975	1.5
24	MP3A	Mx	.048	1.5
25	MP3A	X	-18.461	3.5
26	MP3A	Z	-31.975	3.5
27	MP3A	Mx	.048	3.5
28	MP3A	X	-1.277	.5
29	MP3A	Z	-2.212	.5
30	MP3A	Mx	-.002	.5
31	MP3A	X	-1.277	.5
32	MP3A	Z	-2.212	.5
33	MP3A	Mx	.000468	.5
34	MP3A	X	-6.415	4.04
35	MP3A	Z	-11.111	4.04
36	MP3A	Mx	-.005	4.04
37	MP1A	X	-6.193	4.04
38	MP1A	Z	-10.726	4.04
39	MP1A	Mx	-.004	4.04

**Member Point Loads (BLC 77 : Lm1)**

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M10	Y	-500	%54

**Member Point Loads (BLC 78 : Lm2)**

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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**Member Point Loads (BLC 78 : Lm2) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M10	Y	-500	%77

**Member Point Loads (BLC 79 : Lv1)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M10	Y	-250	0

**Member Point Loads (BLC 80 : Lv2)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M10	Y	-250	%50

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

	Member Label	Direction	Start Magnitude[lb/ft. ...]	End Magnitude[lb/ft. ...]	Start Location[ft. %]	End Location[ft. %]
1	M3	Y	-8.747	-8.747	0	%100
2	M5	Y	-5.941	-5.941	0	%100
3	M6	Y	-5.941	-5.941	0	%100
4	M7	Y	-5.731	-5.731	0	%100
5	M8	Y	-5.941	-5.941	0	%100
6	M9	Y	-5.941	-5.941	0	%100
7	M10	Y	-5.731	-5.731	0	%100
8	M11	Y	-5.021	-5.021	0	%100
9	M12	Y	-5.021	-5.021	0	%100
10	M13	Y	-5.021	-5.021	0	%100
11	M14	Y	-5.021	-5.021	0	%100
12	M15	Y	-5.941	-5.941	0	%100
13	M16	Y	-4.006	-4.006	0	%100
14	M17	Y	-5.941	-5.941	0	%100
15	M18	Y	-4.006	-4.006	0	%100
16	M19	Y	-5.941	-5.941	0	%100
17	M20	Y	-5.941	-5.941	0	%100
18	M21	Y	-5.941	-5.941	0	%100
19	M22	Y	-4.006	-4.006	0	%100
20	M23	Y	-4.006	-4.006	0	%100
21	M24	Y	-5.021	-5.021	0	%100
22	M25	Y	-5.941	-5.941	0	%100
23	M26	Y	-5.941	-5.941	0	%100
24	M27	Y	-4.006	-4.006	0	%100
25	M28	Y	-5.941	-5.941	0	%100
26	M29	Y	-4.006	-4.006	0	%100
27	M30	Y	-5.941	-5.941	0	%100
28	M31	Y	-5.941	-5.941	0	%100
29	M32	Y	-5.941	-5.941	0	%100
30	M33	Y	-4.006	-4.006	0	%100
31	M34	Y	-4.006	-4.006	0	%100
32	M35	Y	-5.021	-5.021	0	%100
33	M36	Y	-5.941	-5.941	0	%100
34	MP5A	Y	-5.021	-5.021	0	%100
35	M46	Y	-5.021	-5.021	0	%100
36	MP4A	Y	-5.021	-5.021	0	%100
37	MP3A	Y	-5.731	-5.731	0	%100
38	MP2A	Y	-5.021	-5.021	0	%100
39	MP1A	Y	-5.021	-5.021	0	%100
40	M52	Y	-8.747	-8.747	0	%100



Company : Maser Consulting  
 Designer : MNC  
 Job Number : Project No. 20777340A  
 Model Name : 468096-VZW\_MT\_LOT\_SectorC\_H

Nov 10, 2020  
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 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	M3	X	0	0	0	%100
2	M3	Z	-12.927	-12.927	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	-.793	-.793	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	-.793	-.793	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	-12.388	-12.388	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	-.793	-.793	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	-.793	-.793	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	-12.388	-12.388	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	-5.019	-5.019	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	-5.019	-5.019	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	-5.019	-5.019	0	%100
21	M14	X	0	0	0	%100
22	M14	Z	-5.019	-5.019	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	-1.706	-1.706	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	-5.346	-5.346	0	%100
27	M17	X	0	0	0	%100
28	M17	Z	-1.706	-1.706	0	%100
29	M18	X	0	0	0	%100
30	M18	Z	-5.346	-5.346	0	%100
31	M19	X	0	0	0	%100
32	M19	Z	-2.289	-2.289	0	%100
33	M20	X	0	0	0	%100
34	M20	Z	-1.706	-1.706	0	%100
35	M21	X	0	0	0	%100
36	M21	Z	-1.706	-1.706	0	%100
37	M22	X	0	0	0	%100
38	M22	Z	-5.946	-5.946	0	%100
39	M23	X	0	0	0	%100
40	M23	Z	-5.946	-5.946	0	%100
41	M24	X	0	0	0	%100
42	M24	Z	-7.097	-7.097	0	%100
43	M25	X	0	0	0	%100
44	M25	Z	-2.289	-2.289	0	%100
45	M26	X	0	0	0	%100
46	M26	Z	-1.706	-1.706	0	%100
47	M27	X	0	0	0	%100
48	M27	Z	-5.346	-5.346	0	%100
49	M28	X	0	0	0	%100
50	M28	Z	-1.706	-1.706	0	%100
51	M29	X	0	0	0	%100
52	M29	Z	-5.346	-5.346	0	%100
53	M30	X	0	0	0	%100
54	M30	Z	-2.289	-2.289	0	%100
55	M31	X	0	0	0	%100
56	M31	Z	-1.706	-1.706	0	%100
57	M32	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,...	Start Location[ft, %]	End Location[ft, %]
58	M32	Z	-1.706	-1.706	0	%100
59	M33	X	0	0	0	%100
60	M33	Z	-5.946	-5.946	0	%100
61	M34	X	0	0	0	%100
62	M34	Z	-5.946	-5.946	0	%100
63	M35	X	0	0	0	%100
64	M35	Z	-7.097	-7.097	0	%100
65	M36	X	0	0	0	%100
66	M36	Z	-2.289	-2.289	0	%100
67	MP5A	X	0	0	0	%100
68	MP5A	Z	-8.907	-8.907	0	%100
69	M46	X	0	0	0	%100
70	M46	Z	-2.35	-2.35	0	%100
71	MP4A	X	0	0	0	%100
72	MP4A	Z	-8.907	-8.907	0	%100
73	MP3A	X	0	0	0	%100
74	MP3A	Z	-10.639	-10.639	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	-8.907	-8.907	0	%100
77	MP1A	X	0	0	0	%100
78	MP1A	Z	-8.907	-8.907	0	%100
79	M52	X	0	0	0	%100
80	M52	Z	-12.927	-12.927	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	M3	X	4.848	4.848	0	%100
2	M3	Z	-8.396	-8.396	0	%100
3	M5	X	.05	.05	0	%100
4	M5	Z	-.087	-.087	0	%100
5	M6	X	.75	.75	0	%100
6	M6	Z	-1.299	-1.299	0	%100
7	M7	X	4.646	4.646	0	%100
8	M7	Z	-8.046	-8.046	0	%100
9	M8	X	.05	.05	0	%100
10	M8	Z	-.087	-.087	0	%100
11	M9	X	.75	.75	0	%100
12	M9	Z	-1.299	-1.299	0	%100
13	M10	X	4.646	4.646	0	%100
14	M10	Z	-8.046	-8.046	0	%100
15	M11	X	.319	.319	0	%100
16	M11	Z	-.552	-.552	0	%100
17	M12	X	4.749	4.749	0	%100
18	M12	Z	-8.226	-8.226	0	%100
19	M13	X	.319	.319	0	%100
20	M13	Z	-.552	-.552	0	%100
21	M14	X	4.749	4.749	0	%100
22	M14	Z	-8.226	-8.226	0	%100
23	M15	X	2.255	2.255	0	%100
24	M15	Z	-3.907	-3.907	0	%100
25	M16	X	2.931	2.931	0	%100
26	M16	Z	-5.076	-5.076	0	%100
27	M17	X	2.255	2.255	0	%100
28	M17	Z	-3.907	-3.907	0	%100
29	M18	X	2.931	2.931	0	%100
30	M18	Z	-5.076	-5.076	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
31	M19	X	2.474	2.474	0	%100
32	M19	Z	-4.286	-4.286	0	%100
33	M20	X	2.255	2.255	0	%100
34	M20	Z	-3.907	-3.907	0	%100
35	M21	X	2.255	2.255	0	%100
36	M21	Z	-3.907	-3.907	0	%100
37	M22	X	3.089	3.089	0	%100
38	M22	Z	-5.351	-5.351	0	%100
39	M23	X	3.089	3.089	0	%100
40	M23	Z	-5.351	-5.351	0	%100
41	M24	X	3.638	3.638	0	%100
42	M24	Z	-6.301	-6.301	0	%100
43	M25	X	2.474	2.474	0	%100
44	M25	Z	-4.286	-4.286	0	%100
45	M26	X	2.255	2.255	0	%100
46	M26	Z	-3.907	-3.907	0	%100
47	M27	X	2.421	2.421	0	%100
48	M27	Z	-4.193	-4.193	0	%100
49	M28	X	2.255	2.255	0	%100
50	M28	Z	-3.907	-3.907	0	%100
51	M29	X	2.421	2.421	0	%100
52	M29	Z	-4.193	-4.193	0	%100
53	M30	X	2.474	2.474	0	%100
54	M30	Z	-4.286	-4.286	0	%100
55	M31	X	2.255	2.255	0	%100
56	M31	Z	-3.907	-3.907	0	%100
57	M32	X	2.255	2.255	0	%100
58	M32	Z	-3.907	-3.907	0	%100
59	M33	X	3.089	3.089	0	%100
60	M33	Z	-5.351	-5.351	0	%100
61	M34	X	3.089	3.089	0	%100
62	M34	Z	-5.351	-5.351	0	%100
63	M35	X	3.638	3.638	0	%100
64	M35	Z	-6.301	-6.301	0	%100
65	M36	X	2.474	2.474	0	%100
66	M36	Z	-4.286	-4.286	0	%100
67	MP5A	X	4.619	4.619	0	%100
68	MP5A	Z	-8.001	-8.001	0	%100
69	M46	X	.003	.003	0	%100
70	M46	Z	-.005	-.005	0	%100
71	MP4A	X	4.619	4.619	0	%100
72	MP4A	Z	-8.001	-8.001	0	%100
73	MP3A	X	5.538	5.538	0	%100
74	MP3A	Z	-9.592	-9.592	0	%100
75	MP2A	X	4.619	4.619	0	%100
76	MP2A	Z	-8.001	-8.001	0	%100
77	MP1A	X	4.619	4.619	0	%100
78	MP1A	Z	-8.001	-8.001	0	%100
79	M52	X	4.848	4.848	0	%100
80	M52	Z	-8.396	-8.396	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
1	M3	X	2.799	2.799	0	%100
2	M3	Z	-1.616	-1.616	0	%100
3	M5	X	.101	.101	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
4	M5	Z	-.058	-.058	0 %100
5	M6	X	1.312	1.312	0 %100
6	M6	Z	-.758	-.758	0 %100
7	M7	X	2.682	2.682	0 %100
8	M7	Z	-1.549	-1.549	0 %100
9	M8	X	.101	.101	0 %100
10	M8	Z	-.058	-.058	0 %100
11	M9	X	1.312	1.312	0 %100
12	M9	Z	-.758	-.758	0 %100
13	M10	X	2.682	2.682	0 %100
14	M10	Z	-1.549	-1.549	0 %100
15	M11	X	.637	.637	0 %100
16	M11	Z	-.368	-.368	0 %100
17	M12	X	8.311	8.311	0 %100
18	M12	Z	-4.798	-4.798	0 %100
19	M13	X	.637	.637	0 %100
20	M13	Z	-.368	-.368	0 %100
21	M14	X	8.311	8.311	0 %100
22	M14	Z	-4.798	-4.798	0 %100
23	M15	X	8.766	8.766	0 %100
24	M15	Z	-5.061	-5.061	0 %100
25	M16	X	5.086	5.086	0 %100
26	M16	Z	-2.936	-2.936	0 %100
27	M17	X	8.766	8.766	0 %100
28	M17	Z	-5.061	-5.061	0 %100
29	M18	X	5.086	5.086	0 %100
30	M18	Z	-2.936	-2.936	0 %100
31	M19	X	8.892	8.892	0 %100
32	M19	Z	-5.134	-5.134	0 %100
33	M20	X	8.766	8.766	0 %100
34	M20	Z	-5.061	-5.061	0 %100
35	M21	X	8.766	8.766	0 %100
36	M21	Z	-5.061	-5.061	0 %100
37	M22	X	5.752	5.752	0 %100
38	M22	Z	-3.321	-3.321	0 %100
39	M23	X	5.752	5.752	0 %100
40	M23	Z	-3.321	-3.321	0 %100
41	M24	X	6.609	6.609	0 %100
42	M24	Z	-3.816	-3.816	0 %100
43	M25	X	8.892	8.892	0 %100
44	M25	Z	-5.134	-5.134	0 %100
45	M26	X	8.766	8.766	0 %100
46	M26	Z	-5.061	-5.061	0 %100
47	M27	X	4.202	4.202	0 %100
48	M27	Z	-2.426	-2.426	0 %100
49	M28	X	8.766	8.766	0 %100
50	M28	Z	-5.061	-5.061	0 %100
51	M29	X	4.202	4.202	0 %100
52	M29	Z	-2.426	-2.426	0 %100
53	M30	X	8.892	8.892	0 %100
54	M30	Z	-5.134	-5.134	0 %100
55	M31	X	8.766	8.766	0 %100
56	M31	Z	-5.061	-5.061	0 %100
57	M32	X	8.766	8.766	0 %100
58	M32	Z	-5.061	-5.061	0 %100
59	M33	X	5.752	5.752	0 %100
60	M33	Z	-3.321	-3.321	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
61	M34	X	5.752	5.752	0	%100
62	M34	Z	-3.321	-3.321	0	%100
63	M35	X	6.609	6.609	0	%100
64	M35	Z	-3.816	-3.816	0	%100
65	M36	X	8.892	8.892	0	%100
66	M36	Z	-5.134	-5.134	0	%100
67	MP5A	X	8.575	8.575	0	%100
68	MP5A	Z	-4.951	-4.951	0	%100
69	M46	X	2.402	2.402	0	%100
70	M46	Z	-1.387	-1.387	0	%100
71	MP4A	X	8.575	8.575	0	%100
72	MP4A	Z	-4.951	-4.951	0	%100
73	MP3A	X	10.35	10.35	0	%100
74	MP3A	Z	-5.976	-5.976	0	%100
75	MP2A	X	8.575	8.575	0	%100
76	MP2A	Z	-4.951	-4.951	0	%100
77	MP1A	X	8.575	8.575	0	%100
78	MP1A	Z	-4.951	-4.951	0	%100
79	M52	X	2.799	2.799	0	%100
80	M52	Z	-1.616	-1.616	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	.823	.823	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	.823	.823	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	.823	.823	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	.823	.823	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M11	X	5.214	5.214	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	5.214	5.214	0	%100
18	M12	Z	0	0	0	%100
19	M13	X	5.214	5.214	0	%100
20	M13	Z	0	0	0	%100
21	M14	X	5.214	5.214	0	%100
22	M14	Z	0	0	0	%100
23	M15	X	12.927	12.927	0	%100
24	M15	Z	0	0	0	%100
25	M16	X	5.368	5.368	0	%100
26	M16	Z	0	0	0	%100
27	M17	X	12.927	12.927	0	%100
28	M17	Z	0	0	0	%100
29	M18	X	5.368	5.368	0	%100
30	M18	Z	0	0	0	%100
31	M19	X	12.927	12.927	0	%100
32	M19	Z	0	0	0	%100
33	M20	X	12.927	12.927	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
34	M20	Z	0	0	0	%100
35	M21	X	12.927	12.927	0	%100
36	M21	Z	0	0	0	%100
37	M22	X	6.874	6.874	0	%100
38	M22	Z	0	0	0	%100
39	M23	X	6.874	6.874	0	%100
40	M23	Z	0	0	0	%100
41	M24	X	7.81	7.81	0	%100
42	M24	Z	0	0	0	%100
43	M25	X	12.927	12.927	0	%100
44	M25	Z	0	0	0	%100
45	M26	X	12.927	12.927	0	%100
46	M26	Z	0	0	0	%100
47	M27	X	5.368	5.368	0	%100
48	M27	Z	0	0	0	%100
49	M28	X	12.927	12.927	0	%100
50	M28	Z	0	0	0	%100
51	M29	X	5.368	5.368	0	%100
52	M29	Z	0	0	0	%100
53	M30	X	12.927	12.927	0	%100
54	M30	Z	0	0	0	%100
55	M31	X	12.927	12.927	0	%100
56	M31	Z	0	0	0	%100
57	M32	X	12.927	12.927	0	%100
58	M32	Z	0	0	0	%100
59	M33	X	6.874	6.874	0	%100
60	M33	Z	0	0	0	%100
61	M34	X	6.874	6.874	0	%100
62	M34	Z	0	0	0	%100
63	M35	X	7.81	7.81	0	%100
64	M35	Z	0	0	0	%100
65	M36	X	12.927	12.927	0	%100
66	M36	Z	0	0	0	%100
67	MP5A	X	10.234	10.234	0	%100
68	MP5A	Z	0	0	0	%100
69	M46	X	7.884	7.884	0	%100
70	M46	Z	0	0	0	%100
71	MP4A	X	10.234	10.234	0	%100
72	MP4A	Z	0	0	0	%100
73	MP3A	X	12.388	12.388	0	%100
74	MP3A	Z	0	0	0	%100
75	MP2A	X	10.234	10.234	0	%100
76	MP2A	Z	0	0	0	%100
77	MP1A	X	10.234	10.234	0	%100
78	MP1A	Z	0	0	0	%100
79	M52	X	0	0	0	%100
80	M52	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....	Start Location[ft, %]	End Location[ft, %]
1	M3	X	2.799	2.799	0	%100
2	M3	Z	1.616	1.616	0	%100
3	M5	X	1.312	1.312	0	%100
4	M5	Z	.758	.758	0	%100
5	M6	X	.101	.101	0	%100
6	M6	Z	.058	.058	0	%100



Company : Maser Consulting  
 Designer : MNC  
 Job Number : Project No. 20777340A  
 Model Name : 468096-VZW\_MT\_LOT\_SectorC\_H

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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....	Start Location[ft, %]	End Location[ft, %]
7	M7	X	2.682	2.682	0 %100
8	M7	Z	1.549	1.549	0 %100
9	M8	X	1.312	1.312	0 %100
10	M8	Z	.758	.758	0 %100
11	M9	X	.101	.101	0 %100
12	M9	Z	.058	.058	0 %100
13	M10	X	2.682	2.682	0 %100
14	M10	Z	1.549	1.549	0 %100
15	M11	X	8.311	8.311	0 %100
16	M11	Z	4.798	4.798	0 %100
17	M12	X	.637	.637	0 %100
18	M12	Z	.368	.368	0 %100
19	M13	X	8.311	8.311	0 %100
20	M13	Z	4.798	4.798	0 %100
21	M14	X	.637	.637	0 %100
22	M14	Z	.368	.368	0 %100
23	M15	X	8.766	8.766	0 %100
24	M15	Z	5.061	5.061	0 %100
25	M16	X	4.202	4.202	0 %100
26	M16	Z	2.426	2.426	0 %100
27	M17	X	8.766	8.766	0 %100
28	M17	Z	5.061	5.061	0 %100
29	M18	X	4.202	4.202	0 %100
30	M18	Z	2.426	2.426	0 %100
31	M19	X	8.892	8.892	0 %100
32	M19	Z	5.134	5.134	0 %100
33	M20	X	8.766	8.766	0 %100
34	M20	Z	5.061	5.061	0 %100
35	M21	X	8.766	8.766	0 %100
36	M21	Z	5.061	5.061	0 %100
37	M22	X	5.752	5.752	0 %100
38	M22	Z	3.321	3.321	0 %100
39	M23	X	5.752	5.752	0 %100
40	M23	Z	3.321	3.321	0 %100
41	M24	X	6.609	6.609	0 %100
42	M24	Z	3.816	3.816	0 %100
43	M25	X	8.892	8.892	0 %100
44	M25	Z	5.134	5.134	0 %100
45	M26	X	8.766	8.766	0 %100
46	M26	Z	5.061	5.061	0 %100
47	M27	X	5.086	5.086	0 %100
48	M27	Z	2.936	2.936	0 %100
49	M28	X	8.766	8.766	0 %100
50	M28	Z	5.061	5.061	0 %100
51	M29	X	5.086	5.086	0 %100
52	M29	Z	2.936	2.936	0 %100
53	M30	X	8.892	8.892	0 %100
54	M30	Z	5.134	5.134	0 %100
55	M31	X	8.766	8.766	0 %100
56	M31	Z	5.061	5.061	0 %100
57	M32	X	8.766	8.766	0 %100
58	M32	Z	5.061	5.061	0 %100
59	M33	X	5.752	5.752	0 %100
60	M33	Z	3.321	3.321	0 %100
61	M34	X	5.752	5.752	0 %100
62	M34	Z	3.321	3.321	0 %100
63	M35	X	6.609	6.609	0 %100





Company : Maser Consulting  
 Designer : MNC  
 Job Number : Project No. 20777340A  
 Model Name : 468096-VZW\_MT\_LOT\_SectorC\_H

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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....	Start Location[ft, %]	End Location[ft, %]
64	M35	Z	3.816	3.816	0	%100
65	M36	X	8.892	8.892	0	%100
66	M36	Z	5.134	5.134	0	%100
67	MP5A	X	8.575	8.575	0	%100
68	MP5A	Z	4.951	4.951	0	%100
69	M46	X	8.858	8.858	0	%100
70	M46	Z	5.114	5.114	0	%100
71	MP4A	X	8.575	8.575	0	%100
72	MP4A	Z	4.951	4.951	0	%100
73	MP3A	X	10.35	10.35	0	%100
74	MP3A	Z	5.976	5.976	0	%100
75	MP2A	X	8.575	8.575	0	%100
76	MP2A	Z	4.951	4.951	0	%100
77	MP1A	X	8.575	8.575	0	%100
78	MP1A	Z	4.951	4.951	0	%100
79	M52	X	2.799	2.799	0	%100
80	M52	Z	1.616	1.616	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
1	M3	X	4.848	4.848	0	%100
2	M3	Z	8.396	8.396	0	%100
3	M5	X	.75	.75	0	%100
4	M5	Z	1.299	1.299	0	%100
5	M6	X	.05	.05	0	%100
6	M6	Z	.087	.087	0	%100
7	M7	X	4.646	4.646	0	%100
8	M7	Z	8.046	8.046	0	%100
9	M8	X	.75	.75	0	%100
10	M8	Z	1.299	1.299	0	%100
11	M9	X	.05	.05	0	%100
12	M9	Z	.087	.087	0	%100
13	M10	X	4.646	4.646	0	%100
14	M10	Z	8.046	8.046	0	%100
15	M11	X	4.749	4.749	0	%100
16	M11	Z	8.226	8.226	0	%100
17	M12	X	.319	.319	0	%100
18	M12	Z	.552	.552	0	%100
19	M13	X	4.749	4.749	0	%100
20	M13	Z	8.226	8.226	0	%100
21	M14	X	.319	.319	0	%100
22	M14	Z	.552	.552	0	%100
23	M15	X	2.255	2.255	0	%100
24	M15	Z	3.907	3.907	0	%100
25	M16	X	2.421	2.421	0	%100
26	M16	Z	4.193	4.193	0	%100
27	M17	X	2.255	2.255	0	%100
28	M17	Z	3.907	3.907	0	%100
29	M18	X	2.421	2.421	0	%100
30	M18	Z	4.193	4.193	0	%100
31	M19	X	2.474	2.474	0	%100
32	M19	Z	4.286	4.286	0	%100
33	M20	X	2.255	2.255	0	%100
34	M20	Z	3.907	3.907	0	%100
35	M21	X	2.255	2.255	0	%100
36	M21	Z	3.907	3.907	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
37	M22	X	3.089	3.089	0	%100
38	M22	Z	5.351	5.351	0	%100
39	M23	X	3.089	3.089	0	%100
40	M23	Z	5.351	5.351	0	%100
41	M24	X	3.638	3.638	0	%100
42	M24	Z	6.301	6.301	0	%100
43	M25	X	2.474	2.474	0	%100
44	M25	Z	4.286	4.286	0	%100
45	M26	X	2.255	2.255	0	%100
46	M26	Z	3.907	3.907	0	%100
47	M27	X	2.931	2.931	0	%100
48	M27	Z	5.076	5.076	0	%100
49	M28	X	2.255	2.255	0	%100
50	M28	Z	3.907	3.907	0	%100
51	M29	X	2.931	2.931	0	%100
52	M29	Z	5.076	5.076	0	%100
53	M30	X	2.474	2.474	0	%100
54	M30	Z	4.286	4.286	0	%100
55	M31	X	2.255	2.255	0	%100
56	M31	Z	3.907	3.907	0	%100
57	M32	X	2.255	2.255	0	%100
58	M32	Z	3.907	3.907	0	%100
59	M33	X	3.089	3.089	0	%100
60	M33	Z	5.351	5.351	0	%100
61	M34	X	3.089	3.089	0	%100
62	M34	Z	5.351	5.351	0	%100
63	M35	X	3.638	3.638	0	%100
64	M35	Z	6.301	6.301	0	%100
65	M36	X	2.474	2.474	0	%100
66	M36	Z	4.286	4.286	0	%100
67	MP5A	X	4.619	4.619	0	%100
68	MP5A	Z	8.001	8.001	0	%100
69	M46	X	3.73	3.73	0	%100
70	M46	Z	6.461	6.461	0	%100
71	MP4A	X	4.619	4.619	0	%100
72	MP4A	Z	8.001	8.001	0	%100
73	MP3A	X	5.538	5.538	0	%100
74	MP3A	Z	9.592	9.592	0	%100
75	MP2A	X	4.619	4.619	0	%100
76	MP2A	Z	8.001	8.001	0	%100
77	MP1A	X	4.619	4.619	0	%100
78	MP1A	Z	8.001	8.001	0	%100
79	M52	X	4.848	4.848	0	%100
80	M52	Z	8.396	8.396	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	M3	X	0	0	0	%100
2	M3	Z	12.927	12.927	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	.793	.793	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	.793	.793	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	12.388	12.388	0	%100
9	M8	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....]	Start Location[ft.%]	End Location[ft.%]
10	M8	Z	.793	.793	0 %100
11	M9	X	0	0	0 %100
12	M9	Z	.793	.793	0 %100
13	M10	X	0	0	0 %100
14	M10	Z	12.388	12.388	0 %100
15	M11	X	0	0	0 %100
16	M11	Z	5.019	5.019	0 %100
17	M12	X	0	0	0 %100
18	M12	Z	5.019	5.019	0 %100
19	M13	X	0	0	0 %100
20	M13	Z	5.019	5.019	0 %100
21	M14	X	0	0	0 %100
22	M14	Z	5.019	5.019	0 %100
23	M15	X	0	0	0 %100
24	M15	Z	1.706	1.706	0 %100
25	M16	X	0	0	0 %100
26	M16	Z	5.346	5.346	0 %100
27	M17	X	0	0	0 %100
28	M17	Z	1.706	1.706	0 %100
29	M18	X	0	0	0 %100
30	M18	Z	5.346	5.346	0 %100
31	M19	X	0	0	0 %100
32	M19	Z	2.289	2.289	0 %100
33	M20	X	0	0	0 %100
34	M20	Z	1.706	1.706	0 %100
35	M21	X	0	0	0 %100
36	M21	Z	1.706	1.706	0 %100
37	M22	X	0	0	0 %100
38	M22	Z	5.946	5.946	0 %100
39	M23	X	0	0	0 %100
40	M23	Z	5.946	5.946	0 %100
41	M24	X	0	0	0 %100
42	M24	Z	7.097	7.097	0 %100
43	M25	X	0	0	0 %100
44	M25	Z	2.289	2.289	0 %100
45	M26	X	0	0	0 %100
46	M26	Z	1.706	1.706	0 %100
47	M27	X	0	0	0 %100
48	M27	Z	5.346	5.346	0 %100
49	M28	X	0	0	0 %100
50	M28	Z	1.706	1.706	0 %100
51	M29	X	0	0	0 %100
52	M29	Z	5.346	5.346	0 %100
53	M30	X	0	0	0 %100
54	M30	Z	2.289	2.289	0 %100
55	M31	X	0	0	0 %100
56	M31	Z	1.706	1.706	0 %100
57	M32	X	0	0	0 %100
58	M32	Z	1.706	1.706	0 %100
59	M33	X	0	0	0 %100
60	M33	Z	5.946	5.946	0 %100
61	M34	X	0	0	0 %100
62	M34	Z	5.946	5.946	0 %100
63	M35	X	0	0	0 %100
64	M35	Z	7.097	7.097	0 %100
65	M36	X	0	0	0 %100
66	M36	Z	2.289	2.289	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
67	MP5A	X	0	0	0	%100
68	MP5A	Z	8.907	8.907	0	%100
69	M46	X	0	0	0	%100
70	M46	Z	2.35	2.35	0	%100
71	MP4A	X	0	0	0	%100
72	MP4A	Z	8.907	8.907	0	%100
73	MP3A	X	0	0	0	%100
74	MP3A	Z	10.639	10.639	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	8.907	8.907	0	%100
77	MP1A	X	0	0	0	%100
78	MP1A	Z	8.907	8.907	0	%100
79	M52	X	0	0	0	%100
80	M52	Z	12.927	12.927	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	M3	X	-4.848	-4.848	0	%100
2	M3	Z	8.396	8.396	0	%100
3	M5	X	-.05	-.05	0	%100
4	M5	Z	.087	.087	0	%100
5	M6	X	-.75	-.75	0	%100
6	M6	Z	1.299	1.299	0	%100
7	M7	X	-4.646	-4.646	0	%100
8	M7	Z	8.046	8.046	0	%100
9	M8	X	-.05	-.05	0	%100
10	M8	Z	.087	.087	0	%100
11	M9	X	-.75	-.75	0	%100
12	M9	Z	1.299	1.299	0	%100
13	M10	X	-4.646	-4.646	0	%100
14	M10	Z	8.046	8.046	0	%100
15	M11	X	-.319	-.319	0	%100
16	M11	Z	.552	.552	0	%100
17	M12	X	-4.749	-4.749	0	%100
18	M12	Z	8.226	8.226	0	%100
19	M13	X	-.319	-.319	0	%100
20	M13	Z	.552	.552	0	%100
21	M14	X	-4.749	-4.749	0	%100
22	M14	Z	8.226	8.226	0	%100
23	M15	X	-2.255	-2.255	0	%100
24	M15	Z	3.907	3.907	0	%100
25	M16	X	-2.931	-2.931	0	%100
26	M16	Z	5.076	5.076	0	%100
27	M17	X	-2.255	-2.255	0	%100
28	M17	Z	3.907	3.907	0	%100
29	M18	X	-2.931	-2.931	0	%100
30	M18	Z	5.076	5.076	0	%100
31	M19	X	-2.474	-2.474	0	%100
32	M19	Z	4.286	4.286	0	%100
33	M20	X	-2.255	-2.255	0	%100
34	M20	Z	3.907	3.907	0	%100
35	M21	X	-2.255	-2.255	0	%100
36	M21	Z	3.907	3.907	0	%100
37	M22	X	-3.089	-3.089	0	%100
38	M22	Z	5.351	5.351	0	%100
39	M23	X	-3.089	-3.089	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
40	M23	Z	5.351	5.351	0 %100
41	M24	X	-3.638	-3.638	0 %100
42	M24	Z	6.301	6.301	0 %100
43	M25	X	-2.474	-2.474	0 %100
44	M25	Z	4.286	4.286	0 %100
45	M26	X	-2.255	-2.255	0 %100
46	M26	Z	3.907	3.907	0 %100
47	M27	X	-2.421	-2.421	0 %100
48	M27	Z	4.193	4.193	0 %100
49	M28	X	-2.255	-2.255	0 %100
50	M28	Z	3.907	3.907	0 %100
51	M29	X	-2.421	-2.421	0 %100
52	M29	Z	4.193	4.193	0 %100
53	M30	X	-2.474	-2.474	0 %100
54	M30	Z	4.286	4.286	0 %100
55	M31	X	-2.255	-2.255	0 %100
56	M31	Z	3.907	3.907	0 %100
57	M32	X	-2.255	-2.255	0 %100
58	M32	Z	3.907	3.907	0 %100
59	M33	X	-3.089	-3.089	0 %100
60	M33	Z	5.351	5.351	0 %100
61	M34	X	-3.089	-3.089	0 %100
62	M34	Z	5.351	5.351	0 %100
63	M35	X	-3.638	-3.638	0 %100
64	M35	Z	6.301	6.301	0 %100
65	M36	X	-2.474	-2.474	0 %100
66	M36	Z	4.286	4.286	0 %100
67	MP5A	X	-4.619	-4.619	0 %100
68	MP5A	Z	8.001	8.001	0 %100
69	M46	X	-.003	-.003	0 %100
70	M46	Z	.005	.005	0 %100
71	MP4A	X	-4.619	-4.619	0 %100
72	MP4A	Z	8.001	8.001	0 %100
73	MP3A	X	-5.538	-5.538	0 %100
74	MP3A	Z	9.592	9.592	0 %100
75	MP2A	X	-4.619	-4.619	0 %100
76	MP2A	Z	8.001	8.001	0 %100
77	MP1A	X	-4.619	-4.619	0 %100
78	MP1A	Z	8.001	8.001	0 %100
79	M52	X	-4.848	-4.848	0 %100
80	M52	Z	8.396	8.396	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	M3	X	-2.799	-2.799	0 %100
2	M3	Z	1.616	1.616	0 %100
3	M5	X	-.101	-.101	0 %100
4	M5	Z	.058	.058	0 %100
5	M6	X	-1.312	-1.312	0 %100
6	M6	Z	.758	.758	0 %100
7	M7	X	-2.682	-2.682	0 %100
8	M7	Z	1.549	1.549	0 %100
9	M8	X	-.101	-.101	0 %100
10	M8	Z	.058	.058	0 %100
11	M9	X	-1.312	-1.312	0 %100
12	M9	Z	.758	.758	0 %100



Company : Maser Consulting  
 Designer : MNC  
 Job Number : Project No. 20777340A  
 Model Name : 468096-VZW\_MT\_LOT\_SectorC\_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....	Start Location[ft.%,]	End Location[ft.%,]
13	M10	X	-2.682	-2.682	0 %100
14	M10	Z	1.549	1.549	0 %100
15	M11	X	-.637	-.637	0 %100
16	M11	Z	.368	.368	0 %100
17	M12	X	-8.311	-8.311	0 %100
18	M12	Z	4.798	4.798	0 %100
19	M13	X	-.637	-.637	0 %100
20	M13	Z	.368	.368	0 %100
21	M14	X	-8.311	-8.311	0 %100
22	M14	Z	4.798	4.798	0 %100
23	M15	X	-8.766	-8.766	0 %100
24	M15	Z	5.061	5.061	0 %100
25	M16	X	-5.086	-5.086	0 %100
26	M16	Z	2.936	2.936	0 %100
27	M17	X	-8.766	-8.766	0 %100
28	M17	Z	5.061	5.061	0 %100
29	M18	X	-5.086	-5.086	0 %100
30	M18	Z	2.936	2.936	0 %100
31	M19	X	-8.892	-8.892	0 %100
32	M19	Z	5.134	5.134	0 %100
33	M20	X	-8.766	-8.766	0 %100
34	M20	Z	5.061	5.061	0 %100
35	M21	X	-8.766	-8.766	0 %100
36	M21	Z	5.061	5.061	0 %100
37	M22	X	-5.752	-5.752	0 %100
38	M22	Z	3.321	3.321	0 %100
39	M23	X	-5.752	-5.752	0 %100
40	M23	Z	3.321	3.321	0 %100
41	M24	X	-6.609	-6.609	0 %100
42	M24	Z	3.816	3.816	0 %100
43	M25	X	-8.892	-8.892	0 %100
44	M25	Z	5.134	5.134	0 %100
45	M26	X	-8.766	-8.766	0 %100
46	M26	Z	5.061	5.061	0 %100
47	M27	X	-4.202	-4.202	0 %100
48	M27	Z	2.426	2.426	0 %100
49	M28	X	-8.766	-8.766	0 %100
50	M28	Z	5.061	5.061	0 %100
51	M29	X	-4.202	-4.202	0 %100
52	M29	Z	2.426	2.426	0 %100
53	M30	X	-8.892	-8.892	0 %100
54	M30	Z	5.134	5.134	0 %100
55	M31	X	-8.766	-8.766	0 %100
56	M31	Z	5.061	5.061	0 %100
57	M32	X	-8.766	-8.766	0 %100
58	M32	Z	5.061	5.061	0 %100
59	M33	X	-5.752	-5.752	0 %100
60	M33	Z	3.321	3.321	0 %100
61	M34	X	-5.752	-5.752	0 %100
62	M34	Z	3.321	3.321	0 %100
63	M35	X	-6.609	-6.609	0 %100
64	M35	Z	3.816	3.816	0 %100
65	M36	X	-8.892	-8.892	0 %100
66	M36	Z	5.134	5.134	0 %100
67	MP5A	X	-8.575	-8.575	0 %100
68	MP5A	Z	4.951	4.951	0 %100
69	M46	X	-2.402	-2.402	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
70	M46	Z	1.387	1.387	0	%100
71	MP4A	X	-8.575	-8.575	0	%100
72	MP4A	Z	4.951	4.951	0	%100
73	MP3A	X	-10.35	-10.35	0	%100
74	MP3A	Z	5.976	5.976	0	%100
75	MP2A	X	-8.575	-8.575	0	%100
76	MP2A	Z	4.951	4.951	0	%100
77	MP1A	X	-8.575	-8.575	0	%100
78	MP1A	Z	4.951	4.951	0	%100
79	M52	X	-2.799	-2.799	0	%100
80	M52	Z	1.616	1.616	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	-0.823	-0.823	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	-0.823	-0.823	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	-0.823	-0.823	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	-0.823	-0.823	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M11	X	-5.214	-5.214	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	-5.214	-5.214	0	%100
18	M12	Z	0	0	0	%100
19	M13	X	-5.214	-5.214	0	%100
20	M13	Z	0	0	0	%100
21	M14	X	-5.214	-5.214	0	%100
22	M14	Z	0	0	0	%100
23	M15	X	-12.927	-12.927	0	%100
24	M15	Z	0	0	0	%100
25	M16	X	-5.368	-5.368	0	%100
26	M16	Z	0	0	0	%100
27	M17	X	-12.927	-12.927	0	%100
28	M17	Z	0	0	0	%100
29	M18	X	-5.368	-5.368	0	%100
30	M18	Z	0	0	0	%100
31	M19	X	-12.927	-12.927	0	%100
32	M19	Z	0	0	0	%100
33	M20	X	-12.927	-12.927	0	%100
34	M20	Z	0	0	0	%100
35	M21	X	-12.927	-12.927	0	%100
36	M21	Z	0	0	0	%100
37	M22	X	-6.874	-6.874	0	%100
38	M22	Z	0	0	0	%100
39	M23	X	-6.874	-6.874	0	%100
40	M23	Z	0	0	0	%100
41	M24	X	-7.81	-7.81	0	%100
42	M24	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....	Start Location[ft, %]	End Location[ft, %]
43	M25	X	-12.927	-12.927	0 %100
44	M25	Z	0	0	0 %100
45	M26	X	-12.927	-12.927	0 %100
46	M26	Z	0	0	0 %100
47	M27	X	-5.368	-5.368	0 %100
48	M27	Z	0	0	0 %100
49	M28	X	-12.927	-12.927	0 %100
50	M28	Z	0	0	0 %100
51	M29	X	-5.368	-5.368	0 %100
52	M29	Z	0	0	0 %100
53	M30	X	-12.927	-12.927	0 %100
54	M30	Z	0	0	0 %100
55	M31	X	-12.927	-12.927	0 %100
56	M31	Z	0	0	0 %100
57	M32	X	-12.927	-12.927	0 %100
58	M32	Z	0	0	0 %100
59	M33	X	-6.874	-6.874	0 %100
60	M33	Z	0	0	0 %100
61	M34	X	-6.874	-6.874	0 %100
62	M34	Z	0	0	0 %100
63	M35	X	-7.81	-7.81	0 %100
64	M35	Z	0	0	0 %100
65	M36	X	-12.927	-12.927	0 %100
66	M36	Z	0	0	0 %100
67	MP5A	X	-10.234	-10.234	0 %100
68	MP5A	Z	0	0	0 %100
69	M46	X	-7.884	-7.884	0 %100
70	M46	Z	0	0	0 %100
71	MP4A	X	-10.234	-10.234	0 %100
72	MP4A	Z	0	0	0 %100
73	MP3A	X	-12.388	-12.388	0 %100
74	MP3A	Z	0	0	0 %100
75	MP2A	X	-10.234	-10.234	0 %100
76	MP2A	Z	0	0	0 %100
77	MP1A	X	-10.234	-10.234	0 %100
78	MP1A	Z	0	0	0 %100
79	M52	X	0	0	0 %100
80	M52	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....	Start Location[ft, %]	End Location[ft, %]
1	M3	X	-2.799	-2.799	0 %100
2	M3	Z	-1.616	-1.616	0 %100
3	M5	X	-1.312	-1.312	0 %100
4	M5	Z	-0.758	-0.758	0 %100
5	M6	X	-0.101	-0.101	0 %100
6	M6	Z	-0.058	-0.058	0 %100
7	M7	X	-2.682	-2.682	0 %100
8	M7	Z	-1.549	-1.549	0 %100
9	M8	X	-1.312	-1.312	0 %100
10	M8	Z	-0.758	-0.758	0 %100
11	M9	X	-0.101	-0.101	0 %100
12	M9	Z	-0.058	-0.058	0 %100
13	M10	X	-2.682	-2.682	0 %100
14	M10	Z	-1.549	-1.549	0 %100
15	M11	X	-8.311	-8.311	0 %100





Company : Maser Consulting  
 Designer : MNC  
 Job Number : Project No. 20777340A  
 Model Name : 468096-VZW\_MT\_LOT\_SectorC\_H

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
16	M11	Z	-4.798	-4.798	0	%100
17	M12	X	-.637	-.637	0	%100
18	M12	Z	-.368	-.368	0	%100
19	M13	X	-8.311	-8.311	0	%100
20	M13	Z	-4.798	-4.798	0	%100
21	M14	X	-.637	-.637	0	%100
22	M14	Z	-.368	-.368	0	%100
23	M15	X	-8.766	-8.766	0	%100
24	M15	Z	-5.061	-5.061	0	%100
25	M16	X	-4.202	-4.202	0	%100
26	M16	Z	-2.426	-2.426	0	%100
27	M17	X	-8.766	-8.766	0	%100
28	M17	Z	-5.061	-5.061	0	%100
29	M18	X	-4.202	-4.202	0	%100
30	M18	Z	-2.426	-2.426	0	%100
31	M19	X	-8.892	-8.892	0	%100
32	M19	Z	-5.134	-5.134	0	%100
33	M20	X	-8.766	-8.766	0	%100
34	M20	Z	-5.061	-5.061	0	%100
35	M21	X	-8.766	-8.766	0	%100
36	M21	Z	-5.061	-5.061	0	%100
37	M22	X	-5.752	-5.752	0	%100
38	M22	Z	-3.321	-3.321	0	%100
39	M23	X	-5.752	-5.752	0	%100
40	M23	Z	-3.321	-3.321	0	%100
41	M24	X	-6.609	-6.609	0	%100
42	M24	Z	-3.816	-3.816	0	%100
43	M25	X	-8.892	-8.892	0	%100
44	M25	Z	-5.134	-5.134	0	%100
45	M26	X	-8.766	-8.766	0	%100
46	M26	Z	-5.061	-5.061	0	%100
47	M27	X	-5.086	-5.086	0	%100
48	M27	Z	-2.936	-2.936	0	%100
49	M28	X	-8.766	-8.766	0	%100
50	M28	Z	-5.061	-5.061	0	%100
51	M29	X	-5.086	-5.086	0	%100
52	M29	Z	-2.936	-2.936	0	%100
53	M30	X	-8.892	-8.892	0	%100
54	M30	Z	-5.134	-5.134	0	%100
55	M31	X	-8.766	-8.766	0	%100
56	M31	Z	-5.061	-5.061	0	%100
57	M32	X	-8.766	-8.766	0	%100
58	M32	Z	-5.061	-5.061	0	%100
59	M33	X	-5.752	-5.752	0	%100
60	M33	Z	-3.321	-3.321	0	%100
61	M34	X	-5.752	-5.752	0	%100
62	M34	Z	-3.321	-3.321	0	%100
63	M35	X	-6.609	-6.609	0	%100
64	M35	Z	-3.816	-3.816	0	%100
65	M36	X	-8.892	-8.892	0	%100
66	M36	Z	-5.134	-5.134	0	%100
67	MP5A	X	-8.575	-8.575	0	%100
68	MP5A	Z	-4.951	-4.951	0	%100
69	M46	X	-8.858	-8.858	0	%100
70	M46	Z	-5.114	-5.114	0	%100
71	MP4A	X	-8.575	-8.575	0	%100
72	MP4A	Z	-4.951	-4.951	0	%100



Company : Maser Consulting  
 Designer : MNC  
 Job Number : Project No. 20777340A  
 Model Name : 468096-VZW\_MT\_LOT\_SectorC\_H

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
73	MP3A	X	-10.35	-10.35	0 %100
74	MP3A	Z	-5.976	-5.976	0 %100
75	MP2A	X	-8.575	-8.575	0 %100
76	MP2A	Z	-4.951	-4.951	0 %100
77	MP1A	X	-8.575	-8.575	0 %100
78	MP1A	Z	-4.951	-4.951	0 %100
79	M52	X	-2.799	-2.799	0 %100
80	M52	Z	-1.616	-1.616	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	M3	X	-4.848	-4.848	0 %100
2	M3	Z	-8.396	-8.396	0 %100
3	M5	X	-.75	-.75	0 %100
4	M5	Z	-1.299	-1.299	0 %100
5	M6	X	-.05	-.05	0 %100
6	M6	Z	-.087	-.087	0 %100
7	M7	X	-4.646	-4.646	0 %100
8	M7	Z	-8.046	-8.046	0 %100
9	M8	X	-.75	-.75	0 %100
10	M8	Z	-1.299	-1.299	0 %100
11	M9	X	-.05	-.05	0 %100
12	M9	Z	-.087	-.087	0 %100
13	M10	X	-4.646	-4.646	0 %100
14	M10	Z	-8.046	-8.046	0 %100
15	M11	X	-4.749	-4.749	0 %100
16	M11	Z	-8.226	-8.226	0 %100
17	M12	X	-.319	-.319	0 %100
18	M12	Z	-.552	-.552	0 %100
19	M13	X	-4.749	-4.749	0 %100
20	M13	Z	-8.226	-8.226	0 %100
21	M14	X	-.319	-.319	0 %100
22	M14	Z	-.552	-.552	0 %100
23	M15	X	-2.255	-2.255	0 %100
24	M15	Z	-3.907	-3.907	0 %100
25	M16	X	-2.421	-2.421	0 %100
26	M16	Z	-4.193	-4.193	0 %100
27	M17	X	-2.255	-2.255	0 %100
28	M17	Z	-3.907	-3.907	0 %100
29	M18	X	-2.421	-2.421	0 %100
30	M18	Z	-4.193	-4.193	0 %100
31	M19	X	-2.474	-2.474	0 %100
32	M19	Z	-4.286	-4.286	0 %100
33	M20	X	-2.255	-2.255	0 %100
34	M20	Z	-3.907	-3.907	0 %100
35	M21	X	-2.255	-2.255	0 %100
36	M21	Z	-3.907	-3.907	0 %100
37	M22	X	-3.089	-3.089	0 %100
38	M22	Z	-5.351	-5.351	0 %100
39	M23	X	-3.089	-3.089	0 %100
40	M23	Z	-5.351	-5.351	0 %100
41	M24	X	-3.638	-3.638	0 %100
42	M24	Z	-6.301	-6.301	0 %100
43	M25	X	-2.474	-2.474	0 %100
44	M25	Z	-4.286	-4.286	0 %100
45	M26	X	-2.255	-2.255	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
46	M26	Z	-3.907	-3.907	0	%100
47	M27	X	-2.931	-2.931	0	%100
48	M27	Z	-5.076	-5.076	0	%100
49	M28	X	-2.255	-2.255	0	%100
50	M28	Z	-3.907	-3.907	0	%100
51	M29	X	-2.931	-2.931	0	%100
52	M29	Z	-5.076	-5.076	0	%100
53	M30	X	-2.474	-2.474	0	%100
54	M30	Z	-4.286	-4.286	0	%100
55	M31	X	-2.255	-2.255	0	%100
56	M31	Z	-3.907	-3.907	0	%100
57	M32	X	-2.255	-2.255	0	%100
58	M32	Z	-3.907	-3.907	0	%100
59	M33	X	-3.089	-3.089	0	%100
60	M33	Z	-5.351	-5.351	0	%100
61	M34	X	-3.089	-3.089	0	%100
62	M34	Z	-5.351	-5.351	0	%100
63	M35	X	-3.638	-3.638	0	%100
64	M35	Z	-6.301	-6.301	0	%100
65	M36	X	-2.474	-2.474	0	%100
66	M36	Z	-4.286	-4.286	0	%100
67	MP5A	X	-4.619	-4.619	0	%100
68	MP5A	Z	-8.001	-8.001	0	%100
69	M46	X	-3.73	-3.73	0	%100
70	M46	Z	-6.461	-6.461	0	%100
71	MP4A	X	-4.619	-4.619	0	%100
72	MP4A	Z	-8.001	-8.001	0	%100
73	MP3A	X	-5.538	-5.538	0	%100
74	MP3A	Z	-9.592	-9.592	0	%100
75	MP2A	X	-4.619	-4.619	0	%100
76	MP2A	Z	-8.001	-8.001	0	%100
77	MP1A	X	-4.619	-4.619	0	%100
78	MP1A	Z	-8.001	-8.001	0	%100
79	M52	X	-4.848	-4.848	0	%100
80	M52	Z	-8.396	-8.396	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
1	M3	X	0	0	0	%100
2	M3	Z	-3.271	-3.271	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	-.635	-.635	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	-.635	-.635	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	-3.889	-3.889	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	-.635	-.635	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	-.635	-.635	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	-3.889	-3.889	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	-1.724	-1.724	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	-1.724	-1.724	0	%100



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 Designer : MNC  
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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....	Start Location[ft.%,]	End Location[ft.%,]
19	M13	X	0	0	%100
20	M13	Z	-1.724	-1.724	%100
21	M14	X	0	0	%100
22	M14	Z	-1.724	-1.724	%100
23	M15	X	0	0	%100
24	M15	Z	-1.31	-1.31	%100
25	M16	X	0	0	%100
26	M16	Z	-2.281	-2.281	%100
27	M17	X	0	0	%100
28	M17	Z	-1.31	-1.31	%100
29	M18	X	0	0	%100
30	M18	Z	-2.281	-2.281	%100
31	M19	X	0	0	%100
32	M19	Z	-1.414	-1.414	%100
33	M20	X	0	0	%100
34	M20	Z	-1.31	-1.31	%100
35	M21	X	0	0	%100
36	M21	Z	-1.31	-1.31	%100
37	M22	X	0	0	%100
38	M22	Z	-2.492	-2.492	%100
39	M23	X	0	0	%100
40	M23	Z	-2.492	-2.492	%100
41	M24	X	0	0	%100
42	M24	Z	-2.568	-2.568	%100
43	M25	X	0	0	%100
44	M25	Z	-1.414	-1.414	%100
45	M26	X	0	0	%100
46	M26	Z	-1.31	-1.31	%100
47	M27	X	0	0	%100
48	M27	Z	-2.281	-2.281	%100
49	M28	X	0	0	%100
50	M28	Z	-1.31	-1.31	%100
51	M29	X	0	0	%100
52	M29	Z	-2.281	-2.281	%100
53	M30	X	0	0	%100
54	M30	Z	-1.414	-1.414	%100
55	M31	X	0	0	%100
56	M31	Z	-1.31	-1.31	%100
57	M32	X	0	0	%100
58	M32	Z	-1.31	-1.31	%100
59	M33	X	0	0	%100
60	M33	Z	-2.492	-2.492	%100
61	M34	X	0	0	%100
62	M34	Z	-2.492	-2.492	%100
63	M35	X	0	0	%100
64	M35	Z	-2.568	-2.568	%100
65	M36	X	0	0	%100
66	M36	Z	-1.414	-1.414	%100
67	MP5A	X	0	0	%100
68	MP5A	Z	-3.285	-3.285	%100
69	M46	X	0	0	%100
70	M46	Z	-.807	-.807	%100
71	MP4A	X	0	0	%100
72	MP4A	Z	-3.285	-3.285	%100
73	MP3A	X	0	0	%100
74	MP3A	Z	-3.585	-3.585	%100
75	MP2A	X	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....]	Start Location[ft.%]	End Location[ft.%]
76	MP2A	Z	-3.285	-3.285	0	%100
77	MP1A	X	0	0	0	%100
78	MP1A	Z	-3.285	-3.285	0	%100
79	M52	X	0	0	0	%100
80	M52	Z	-3.271	-3.271	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M3	X	1.227	1.227	0	%100
2	M3	Z	-2.125	-2.125	0	%100
3	M5	X	.04	.04	0	%100
4	M5	Z	-.07	-.07	0	%100
5	M6	X	.601	.601	0	%100
6	M6	Z	-1.041	-1.041	0	%100
7	M7	X	1.458	1.458	0	%100
8	M7	Z	-2.526	-2.526	0	%100
9	M8	X	.04	.04	0	%100
10	M8	Z	-.07	-.07	0	%100
11	M9	X	.601	.601	0	%100
12	M9	Z	-1.041	-1.041	0	%100
13	M10	X	1.458	1.458	0	%100
14	M10	Z	-2.526	-2.526	0	%100
15	M11	X	.11	.11	0	%100
16	M11	Z	-.19	-.19	0	%100
17	M12	X	1.631	1.631	0	%100
18	M12	Z	-2.826	-2.826	0	%100
19	M13	X	.11	.11	0	%100
20	M13	Z	-.19	-.19	0	%100
21	M14	X	1.631	1.631	0	%100
22	M14	Z	-2.826	-2.826	0	%100
23	M15	X	.899	.899	0	%100
24	M15	Z	-1.556	-1.556	0	%100
25	M16	X	1.304	1.304	0	%100
26	M16	Z	-2.259	-2.259	0	%100
27	M17	X	.899	.899	0	%100
28	M17	Z	-1.556	-1.556	0	%100
29	M18	X	1.304	1.304	0	%100
30	M18	Z	-2.259	-2.259	0	%100
31	M19	X	.938	.938	0	%100
32	M19	Z	-1.625	-1.625	0	%100
33	M20	X	.899	.899	0	%100
34	M20	Z	-1.556	-1.556	0	%100
35	M21	X	.899	.899	0	%100
36	M21	Z	-1.556	-1.556	0	%100
37	M22	X	1.266	1.266	0	%100
38	M22	Z	-2.193	-2.193	0	%100
39	M23	X	1.266	1.266	0	%100
40	M23	Z	-2.193	-2.193	0	%100
41	M24	X	1.299	1.299	0	%100
42	M24	Z	-2.25	-2.25	0	%100
43	M25	X	.938	.938	0	%100
44	M25	Z	-1.625	-1.625	0	%100
45	M26	X	.899	.899	0	%100
46	M26	Z	-1.556	-1.556	0	%100
47	M27	X	.98	.98	0	%100
48	M27	Z	-1.698	-1.698	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
49	M28	X	.899	.899	0	%100
50	M28	Z	-1.556	-1.556	0	%100
51	M29	X	.98	.98	0	%100
52	M29	Z	-1.698	-1.698	0	%100
53	M30	X	.938	.938	0	%100
54	M30	Z	-1.625	-1.625	0	%100
55	M31	X	.899	.899	0	%100
56	M31	Z	-1.556	-1.556	0	%100
57	M32	X	.899	.899	0	%100
58	M32	Z	-1.556	-1.556	0	%100
59	M33	X	1.266	1.266	0	%100
60	M33	Z	-2.193	-2.193	0	%100
61	M34	X	1.266	1.266	0	%100
62	M34	Z	-2.193	-2.193	0	%100
63	M35	X	1.299	1.299	0	%100
64	M35	Z	-2.25	-2.25	0	%100
65	M36	X	.938	.938	0	%100
66	M36	Z	-1.625	-1.625	0	%100
67	MP5A	X	1.671	1.671	0	%100
68	MP5A	Z	-2.895	-2.895	0	%100
69	M46	X	.001	.001	0	%100
70	M46	Z	-.002	-.002	0	%100
71	MP4A	X	1.671	1.671	0	%100
72	MP4A	Z	-2.895	-2.895	0	%100
73	MP3A	X	1.831	1.831	0	%100
74	MP3A	Z	-3.171	-3.171	0	%100
75	MP2A	X	1.671	1.671	0	%100
76	MP2A	Z	-2.895	-2.895	0	%100
77	MP1A	X	1.671	1.671	0	%100
78	MP1A	Z	-2.895	-2.895	0	%100
79	M52	X	1.227	1.227	0	%100
80	M52	Z	-2.125	-2.125	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	M3	X	.708	.708	0	%100
2	M3	Z	-.409	-.409	0	%100
3	M5	X	.081	.081	0	%100
4	M5	Z	-.046	-.046	0	%100
5	M6	X	1.051	1.051	0	%100
6	M6	Z	-.607	-.607	0	%100
7	M7	X	.842	.842	0	%100
8	M7	Z	-.486	-.486	0	%100
9	M8	X	.081	.081	0	%100
10	M8	Z	-.046	-.046	0	%100
11	M9	X	1.051	1.051	0	%100
12	M9	Z	-.607	-.607	0	%100
13	M10	X	.842	.842	0	%100
14	M10	Z	-.486	-.486	0	%100
15	M11	X	.219	.219	0	%100
16	M11	Z	-.126	-.126	0	%100
17	M12	X	2.855	2.855	0	%100
18	M12	Z	-1.648	-1.648	0	%100
19	M13	X	.219	.219	0	%100
20	M13	Z	-.126	-.126	0	%100
21	M14	X	2.855	2.855	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
22	M14	Z	-1.648	-1.648	0 %100
23	M15	X	2.4	2.4	0 %100
24	M15	Z	-1.386	-1.386	0 %100
25	M16	X	2.265	2.265	0 %100
26	M16	Z	-1.308	-1.308	0 %100
27	M17	X	2.4	2.4	0 %100
28	M17	Z	-1.386	-1.386	0 %100
29	M18	X	2.265	2.265	0 %100
30	M18	Z	-1.308	-1.308	0 %100
31	M19	X	2.424	2.424	0 %100
32	M19	Z	-1.4	-1.4	0 %100
33	M20	X	2.4	2.4	0 %100
34	M20	Z	-1.386	-1.386	0 %100
35	M21	X	2.4	2.4	0 %100
36	M21	Z	-1.386	-1.386	0 %100
37	M22	X	2.263	2.263	0 %100
38	M22	Z	-1.307	-1.307	0 %100
39	M23	X	2.263	2.263	0 %100
40	M23	Z	-1.307	-1.307	0 %100
41	M24	X	2.304	2.304	0 %100
42	M24	Z	-1.33	-1.33	0 %100
43	M25	X	2.424	2.424	0 %100
44	M25	Z	-1.4	-1.4	0 %100
45	M26	X	2.4	2.4	0 %100
46	M26	Z	-1.386	-1.386	0 %100
47	M27	X	1.704	1.704	0 %100
48	M27	Z	-0.984	-0.984	0 %100
49	M28	X	2.4	2.4	0 %100
50	M28	Z	-1.386	-1.386	0 %100
51	M29	X	1.704	1.704	0 %100
52	M29	Z	-0.984	-0.984	0 %100
53	M30	X	2.424	2.424	0 %100
54	M30	Z	-1.4	-1.4	0 %100
55	M31	X	2.4	2.4	0 %100
56	M31	Z	-1.386	-1.386	0 %100
57	M32	X	2.4	2.4	0 %100
58	M32	Z	-1.386	-1.386	0 %100
59	M33	X	2.263	2.263	0 %100
60	M33	Z	-1.307	-1.307	0 %100
61	M34	X	2.263	2.263	0 %100
62	M34	Z	-1.307	-1.307	0 %100
63	M35	X	2.304	2.304	0 %100
64	M35	Z	-1.33	-1.33	0 %100
65	M36	X	2.424	2.424	0 %100
66	M36	Z	-1.4	-1.4	0 %100
67	MP5A	X	2.994	2.994	0 %100
68	MP5A	Z	-1.729	-1.729	0 %100
69	M46	X	0.825	0.825	0 %100
70	M46	Z	-0.476	-0.476	0 %100
71	MP4A	X	2.994	2.994	0 %100
72	MP4A	Z	-1.729	-1.729	0 %100
73	MP3A	X	3.302	3.302	0 %100
74	MP3A	Z	-1.907	-1.907	0 %100
75	MP2A	X	2.994	2.994	0 %100
76	MP2A	Z	-1.729	-1.729	0 %100
77	MP1A	X	2.994	2.994	0 %100
78	MP1A	Z	-1.729	-1.729	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
79	M52	X	.708	.708	0	%100
80	M52	Z	-.409	-.409	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	.66	.66	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	.66	.66	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	.66	.66	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	.66	.66	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M11	X	1.791	1.791	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	1.791	1.791	0	%100
18	M12	Z	0	0	0	%100
19	M13	X	1.791	1.791	0	%100
20	M13	Z	0	0	0	%100
21	M14	X	1.791	1.791	0	%100
22	M14	Z	0	0	0	%100
23	M15	X	3.258	3.258	0	%100
24	M15	Z	0	0	0	%100
25	M16	X	2.295	2.295	0	%100
26	M16	Z	0	0	0	%100
27	M17	X	3.258	3.258	0	%100
28	M17	Z	0	0	0	%100
29	M18	X	2.295	2.295	0	%100
30	M18	Z	0	0	0	%100
31	M19	X	3.261	3.261	0	%100
32	M19	Z	0	0	0	%100
33	M20	X	3.258	3.258	0	%100
34	M20	Z	0	0	0	%100
35	M21	X	3.258	3.258	0	%100
36	M21	Z	0	0	0	%100
37	M22	X	2.653	2.653	0	%100
38	M22	Z	0	0	0	%100
39	M23	X	2.653	2.653	0	%100
40	M23	Z	0	0	0	%100
41	M24	X	2.691	2.691	0	%100
42	M24	Z	0	0	0	%100
43	M25	X	3.261	3.261	0	%100
44	M25	Z	0	0	0	%100
45	M26	X	3.258	3.258	0	%100
46	M26	Z	0	0	0	%100
47	M27	X	2.295	2.295	0	%100
48	M27	Z	0	0	0	%100
49	M28	X	3.258	3.258	0	%100
50	M28	Z	0	0	0	%100
51	M29	X	2.295	2.295	0	%100





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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
52	M29	Z	0	0	0	%100
53	M30	X	3.261	3.261	0	%100
54	M30	Z	0	0	0	%100
55	M31	X	3.258	3.258	0	%100
56	M31	Z	0	0	0	%100
57	M32	X	3.258	3.258	0	%100
58	M32	Z	0	0	0	%100
59	M33	X	2.653	2.653	0	%100
60	M33	Z	0	0	0	%100
61	M34	X	2.653	2.653	0	%100
62	M34	Z	0	0	0	%100
63	M35	X	2.691	2.691	0	%100
64	M35	Z	0	0	0	%100
65	M36	X	3.261	3.261	0	%100
66	M36	Z	0	0	0	%100
67	MP5A	X	3.515	3.515	0	%100
68	MP5A	Z	0	0	0	%100
69	M46	X	2.708	2.708	0	%100
70	M46	Z	0	0	0	%100
71	MP4A	X	3.515	3.515	0	%100
72	MP4A	Z	0	0	0	%100
73	MP3A	X	3.889	3.889	0	%100
74	MP3A	Z	0	0	0	%100
75	MP2A	X	3.515	3.515	0	%100
76	MP2A	Z	0	0	0	%100
77	MP1A	X	3.515	3.515	0	%100
78	MP1A	Z	0	0	0	%100
79	M52	X	0	0	0	%100
80	M52	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....	Start Location[ft.%]	End Location[ft.%]
1	M3	X	.708	.708	0	%100
2	M3	Z	.409	.409	0	%100
3	M5	X	1.051	1.051	0	%100
4	M5	Z	.607	.607	0	%100
5	M6	X	.081	.081	0	%100
6	M6	Z	.046	.046	0	%100
7	M7	X	.842	.842	0	%100
8	M7	Z	.486	.486	0	%100
9	M8	X	1.051	1.051	0	%100
10	M8	Z	.607	.607	0	%100
11	M9	X	.081	.081	0	%100
12	M9	Z	.046	.046	0	%100
13	M10	X	.842	.842	0	%100
14	M10	Z	.486	.486	0	%100
15	M11	X	2.855	2.855	0	%100
16	M11	Z	1.648	1.648	0	%100
17	M12	X	.219	.219	0	%100
18	M12	Z	.126	.126	0	%100
19	M13	X	2.855	2.855	0	%100
20	M13	Z	1.648	1.648	0	%100
21	M14	X	.219	.219	0	%100
22	M14	Z	.126	.126	0	%100
23	M15	X	2.4	2.4	0	%100
24	M15	Z	1.386	1.386	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
25	M16	X	1.704	1.704	0 %100
26	M16	Z	.984	.984	0 %100
27	M17	X	2.4	2.4	0 %100
28	M17	Z	1.386	1.386	0 %100
29	M18	X	1.704	1.704	0 %100
30	M18	Z	.984	.984	0 %100
31	M19	X	2.424	2.424	0 %100
32	M19	Z	1.4	1.4	0 %100
33	M20	X	2.4	2.4	0 %100
34	M20	Z	1.386	1.386	0 %100
35	M21	X	2.4	2.4	0 %100
36	M21	Z	1.386	1.386	0 %100
37	M22	X	2.263	2.263	0 %100
38	M22	Z	1.307	1.307	0 %100
39	M23	X	2.263	2.263	0 %100
40	M23	Z	1.307	1.307	0 %100
41	M24	X	2.304	2.304	0 %100
42	M24	Z	1.33	1.33	0 %100
43	M25	X	2.424	2.424	0 %100
44	M25	Z	1.4	1.4	0 %100
45	M26	X	2.4	2.4	0 %100
46	M26	Z	1.386	1.386	0 %100
47	M27	X	2.265	2.265	0 %100
48	M27	Z	1.308	1.308	0 %100
49	M28	X	2.4	2.4	0 %100
50	M28	Z	1.386	1.386	0 %100
51	M29	X	2.265	2.265	0 %100
52	M29	Z	1.308	1.308	0 %100
53	M30	X	2.424	2.424	0 %100
54	M30	Z	1.4	1.4	0 %100
55	M31	X	2.4	2.4	0 %100
56	M31	Z	1.386	1.386	0 %100
57	M32	X	2.4	2.4	0 %100
58	M32	Z	1.386	1.386	0 %100
59	M33	X	2.263	2.263	0 %100
60	M33	Z	1.307	1.307	0 %100
61	M34	X	2.263	2.263	0 %100
62	M34	Z	1.307	1.307	0 %100
63	M35	X	2.304	2.304	0 %100
64	M35	Z	1.33	1.33	0 %100
65	M36	X	2.424	2.424	0 %100
66	M36	Z	1.4	1.4	0 %100
67	MP5A	X	2.994	2.994	0 %100
68	MP5A	Z	1.729	1.729	0 %100
69	M46	X	3.042	3.042	0 %100
70	M46	Z	1.757	1.757	0 %100
71	MP4A	X	2.994	2.994	0 %100
72	MP4A	Z	1.729	1.729	0 %100
73	MP3A	X	3.302	3.302	0 %100
74	MP3A	Z	1.907	1.907	0 %100
75	MP2A	X	2.994	2.994	0 %100
76	MP2A	Z	1.729	1.729	0 %100
77	MP1A	X	2.994	2.994	0 %100
78	MP1A	Z	1.729	1.729	0 %100
79	M52	X	.708	.708	0 %100
80	M52	Z	.409	.409	0 %100



Company : Maser Consulting  
 Designer : MNC  
 Job Number : Project No. 20777340A  
 Model Name : 468096-VZW\_MT\_LOT\_SectorC\_H

Nov 10, 2020  
 1:58 PM  
 Checked By: \_\_\_\_\_

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	M3	X	1.227	1.227	0	%100
2	M3	Z	2.125	2.125	0	%100
3	M5	X	.601	.601	0	%100
4	M5	Z	1.041	1.041	0	%100
5	M6	X	.04	.04	0	%100
6	M6	Z	.07	.07	0	%100
7	M7	X	1.458	1.458	0	%100
8	M7	Z	2.526	2.526	0	%100
9	M8	X	.601	.601	0	%100
10	M8	Z	1.041	1.041	0	%100
11	M9	X	.04	.04	0	%100
12	M9	Z	.07	.07	0	%100
13	M10	X	1.458	1.458	0	%100
14	M10	Z	2.526	2.526	0	%100
15	M11	X	1.631	1.631	0	%100
16	M11	Z	2.826	2.826	0	%100
17	M12	X	.11	.11	0	%100
18	M12	Z	.19	.19	0	%100
19	M13	X	1.631	1.631	0	%100
20	M13	Z	2.826	2.826	0	%100
21	M14	X	.11	.11	0	%100
22	M14	Z	.19	.19	0	%100
23	M15	X	.899	.899	0	%100
24	M15	Z	1.556	1.556	0	%100
25	M16	X	.98	.98	0	%100
26	M16	Z	1.698	1.698	0	%100
27	M17	X	.899	.899	0	%100
28	M17	Z	1.556	1.556	0	%100
29	M18	X	.98	.98	0	%100
30	M18	Z	1.698	1.698	0	%100
31	M19	X	.938	.938	0	%100
32	M19	Z	1.625	1.625	0	%100
33	M20	X	.899	.899	0	%100
34	M20	Z	1.556	1.556	0	%100
35	M21	X	.899	.899	0	%100
36	M21	Z	1.556	1.556	0	%100
37	M22	X	1.266	1.266	0	%100
38	M22	Z	2.193	2.193	0	%100
39	M23	X	1.266	1.266	0	%100
40	M23	Z	2.193	2.193	0	%100
41	M24	X	1.299	1.299	0	%100
42	M24	Z	2.25	2.25	0	%100
43	M25	X	.938	.938	0	%100
44	M25	Z	1.625	1.625	0	%100
45	M26	X	.899	.899	0	%100
46	M26	Z	1.556	1.556	0	%100
47	M27	X	1.304	1.304	0	%100
48	M27	Z	2.259	2.259	0	%100
49	M28	X	.899	.899	0	%100
50	M28	Z	1.556	1.556	0	%100
51	M29	X	1.304	1.304	0	%100
52	M29	Z	2.259	2.259	0	%100
53	M30	X	.938	.938	0	%100
54	M30	Z	1.625	1.625	0	%100
55	M31	X	.899	.899	0	%100
56	M31	Z	1.556	1.556	0	%100
57	M32	X	.899	.899	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
58	M32	Z	1.556	1.556	0	%100
59	M33	X	1.266	1.266	0	%100
60	M33	Z	2.193	2.193	0	%100
61	M34	X	1.266	1.266	0	%100
62	M34	Z	2.193	2.193	0	%100
63	M35	X	1.299	1.299	0	%100
64	M35	Z	2.25	2.25	0	%100
65	M36	X	.938	.938	0	%100
66	M36	Z	1.625	1.625	0	%100
67	MP5A	X	1.671	1.671	0	%100
68	MP5A	Z	2.895	2.895	0	%100
69	M46	X	1.281	1.281	0	%100
70	M46	Z	2.219	2.219	0	%100
71	MP4A	X	1.671	1.671	0	%100
72	MP4A	Z	2.895	2.895	0	%100
73	MP3A	X	1.831	1.831	0	%100
74	MP3A	Z	3.171	3.171	0	%100
75	MP2A	X	1.671	1.671	0	%100
76	MP2A	Z	2.895	2.895	0	%100
77	MP1A	X	1.671	1.671	0	%100
78	MP1A	Z	2.895	2.895	0	%100
79	M52	X	1.227	1.227	0	%100
80	M52	Z	2.125	2.125	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	M3	X	0	0	0	%100
2	M3	Z	3.271	3.271	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	.635	.635	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	.635	.635	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	3.889	3.889	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	.635	.635	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	.635	.635	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	3.889	3.889	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	1.724	1.724	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	1.724	1.724	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	1.724	1.724	0	%100
21	M14	X	0	0	0	%100
22	M14	Z	1.724	1.724	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	1.31	1.31	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	2.281	2.281	0	%100
27	M17	X	0	0	0	%100
28	M17	Z	1.31	1.31	0	%100
29	M18	X	0	0	0	%100
30	M18	Z	2.281	2.281	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
31	M19	X	0	0	0	%100
32	M19	Z	1.414	1.414	0	%100
33	M20	X	0	0	0	%100
34	M20	Z	1.31	1.31	0	%100
35	M21	X	0	0	0	%100
36	M21	Z	1.31	1.31	0	%100
37	M22	X	0	0	0	%100
38	M22	Z	2.492	2.492	0	%100
39	M23	X	0	0	0	%100
40	M23	Z	2.492	2.492	0	%100
41	M24	X	0	0	0	%100
42	M24	Z	2.568	2.568	0	%100
43	M25	X	0	0	0	%100
44	M25	Z	1.414	1.414	0	%100
45	M26	X	0	0	0	%100
46	M26	Z	1.31	1.31	0	%100
47	M27	X	0	0	0	%100
48	M27	Z	2.281	2.281	0	%100
49	M28	X	0	0	0	%100
50	M28	Z	1.31	1.31	0	%100
51	M29	X	0	0	0	%100
52	M29	Z	2.281	2.281	0	%100
53	M30	X	0	0	0	%100
54	M30	Z	1.414	1.414	0	%100
55	M31	X	0	0	0	%100
56	M31	Z	1.31	1.31	0	%100
57	M32	X	0	0	0	%100
58	M32	Z	1.31	1.31	0	%100
59	M33	X	0	0	0	%100
60	M33	Z	2.492	2.492	0	%100
61	M34	X	0	0	0	%100
62	M34	Z	2.492	2.492	0	%100
63	M35	X	0	0	0	%100
64	M35	Z	2.568	2.568	0	%100
65	M36	X	0	0	0	%100
66	M36	Z	1.414	1.414	0	%100
67	MP5A	X	0	0	0	%100
68	MP5A	Z	3.285	3.285	0	%100
69	M46	X	0	0	0	%100
70	M46	Z	.807	.807	0	%100
71	MP4A	X	0	0	0	%100
72	MP4A	Z	3.285	3.285	0	%100
73	MP3A	X	0	0	0	%100
74	MP3A	Z	3.585	3.585	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	3.285	3.285	0	%100
77	MP1A	X	0	0	0	%100
78	MP1A	Z	3.285	3.285	0	%100
79	M52	X	0	0	0	%100
80	M52	Z	3.271	3.271	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	M3	X	-1.227	-1.227	0	%100
2	M3	Z	2.125	2.125	0	%100
3	M5	X	-.04	-.04	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft,%]	End Location[ft,%]
4	M5	Z	.07	.07	0 %100
5	M6	X	-.601	-.601	0 %100
6	M6	Z	1.041	1.041	0 %100
7	M7	X	-1.458	-1.458	0 %100
8	M7	Z	2.526	2.526	0 %100
9	M8	X	-.04	-.04	0 %100
10	M8	Z	.07	.07	0 %100
11	M9	X	-.601	-.601	0 %100
12	M9	Z	1.041	1.041	0 %100
13	M10	X	-1.458	-1.458	0 %100
14	M10	Z	2.526	2.526	0 %100
15	M11	X	-.11	-.11	0 %100
16	M11	Z	.19	.19	0 %100
17	M12	X	-1.631	-1.631	0 %100
18	M12	Z	2.826	2.826	0 %100
19	M13	X	-.11	-.11	0 %100
20	M13	Z	.19	.19	0 %100
21	M14	X	-1.631	-1.631	0 %100
22	M14	Z	2.826	2.826	0 %100
23	M15	X	-.899	-.899	0 %100
24	M15	Z	1.556	1.556	0 %100
25	M16	X	-1.304	-1.304	0 %100
26	M16	Z	2.259	2.259	0 %100
27	M17	X	-.899	-.899	0 %100
28	M17	Z	1.556	1.556	0 %100
29	M18	X	-1.304	-1.304	0 %100
30	M18	Z	2.259	2.259	0 %100
31	M19	X	-.938	-.938	0 %100
32	M19	Z	1.625	1.625	0 %100
33	M20	X	-.899	-.899	0 %100
34	M20	Z	1.556	1.556	0 %100
35	M21	X	-.899	-.899	0 %100
36	M21	Z	1.556	1.556	0 %100
37	M22	X	-1.266	-1.266	0 %100
38	M22	Z	2.193	2.193	0 %100
39	M23	X	-1.266	-1.266	0 %100
40	M23	Z	2.193	2.193	0 %100
41	M24	X	-1.299	-1.299	0 %100
42	M24	Z	2.25	2.25	0 %100
43	M25	X	-.938	-.938	0 %100
44	M25	Z	1.625	1.625	0 %100
45	M26	X	-.899	-.899	0 %100
46	M26	Z	1.556	1.556	0 %100
47	M27	X	-.98	-.98	0 %100
48	M27	Z	1.698	1.698	0 %100
49	M28	X	-.899	-.899	0 %100
50	M28	Z	1.556	1.556	0 %100
51	M29	X	-.98	-.98	0 %100
52	M29	Z	1.698	1.698	0 %100
53	M30	X	-.938	-.938	0 %100
54	M30	Z	1.625	1.625	0 %100
55	M31	X	-.899	-.899	0 %100
56	M31	Z	1.556	1.556	0 %100
57	M32	X	-.899	-.899	0 %100
58	M32	Z	1.556	1.556	0 %100
59	M33	X	-1.266	-1.266	0 %100
60	M33	Z	2.193	2.193	0 %100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
61	M34	X	-1.266	-1.266	0 %100
62	M34	Z	2.193	2.193	0 %100
63	M35	X	-1.299	-1.299	0 %100
64	M35	Z	2.25	2.25	0 %100
65	M36	X	-.938	-.938	0 %100
66	M36	Z	1.625	1.625	0 %100
67	MP5A	X	-1.671	-1.671	0 %100
68	MP5A	Z	2.895	2.895	0 %100
69	M46	X	-.001	-.001	0 %100
70	M46	Z	.002	.002	0 %100
71	MP4A	X	-1.671	-1.671	0 %100
72	MP4A	Z	2.895	2.895	0 %100
73	MP3A	X	-1.831	-1.831	0 %100
74	MP3A	Z	3.171	3.171	0 %100
75	MP2A	X	-1.671	-1.671	0 %100
76	MP2A	Z	2.895	2.895	0 %100
77	MP1A	X	-1.671	-1.671	0 %100
78	MP1A	Z	2.895	2.895	0 %100
79	M52	X	-1.227	-1.227	0 %100
80	M52	Z	2.125	2.125	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	M3	X	-.708	-.708	0 %100
2	M3	Z	.409	.409	0 %100
3	M5	X	-.081	-.081	0 %100
4	M5	Z	.046	.046	0 %100
5	M6	X	-1.051	-1.051	0 %100
6	M6	Z	.607	.607	0 %100
7	M7	X	-.842	-.842	0 %100
8	M7	Z	.486	.486	0 %100
9	M8	X	-.081	-.081	0 %100
10	M8	Z	.046	.046	0 %100
11	M9	X	-1.051	-1.051	0 %100
12	M9	Z	.607	.607	0 %100
13	M10	X	-.842	-.842	0 %100
14	M10	Z	.486	.486	0 %100
15	M11	X	-.219	-.219	0 %100
16	M11	Z	.126	.126	0 %100
17	M12	X	-2.855	-2.855	0 %100
18	M12	Z	1.648	1.648	0 %100
19	M13	X	-.219	-.219	0 %100
20	M13	Z	.126	.126	0 %100
21	M14	X	-2.855	-2.855	0 %100
22	M14	Z	1.648	1.648	0 %100
23	M15	X	-2.4	-2.4	0 %100
24	M15	Z	1.386	1.386	0 %100
25	M16	X	-2.265	-2.265	0 %100
26	M16	Z	1.308	1.308	0 %100
27	M17	X	-2.4	-2.4	0 %100
28	M17	Z	1.386	1.386	0 %100
29	M18	X	-2.265	-2.265	0 %100
30	M18	Z	1.308	1.308	0 %100
31	M19	X	-2.424	-2.424	0 %100
32	M19	Z	1.4	1.4	0 %100
33	M20	X	-2.4	-2.4	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
34	M20	Z	1.386	1.386	0	%100
35	M21	X	-2.4	-2.4	0	%100
36	M21	Z	1.386	1.386	0	%100
37	M22	X	-2.263	-2.263	0	%100
38	M22	Z	1.307	1.307	0	%100
39	M23	X	-2.263	-2.263	0	%100
40	M23	Z	1.307	1.307	0	%100
41	M24	X	-2.304	-2.304	0	%100
42	M24	Z	1.33	1.33	0	%100
43	M25	X	-2.424	-2.424	0	%100
44	M25	Z	1.4	1.4	0	%100
45	M26	X	-2.4	-2.4	0	%100
46	M26	Z	1.386	1.386	0	%100
47	M27	X	-1.704	-1.704	0	%100
48	M27	Z	.984	.984	0	%100
49	M28	X	-2.4	-2.4	0	%100
50	M28	Z	1.386	1.386	0	%100
51	M29	X	-1.704	-1.704	0	%100
52	M29	Z	.984	.984	0	%100
53	M30	X	-2.424	-2.424	0	%100
54	M30	Z	1.4	1.4	0	%100
55	M31	X	-2.4	-2.4	0	%100
56	M31	Z	1.386	1.386	0	%100
57	M32	X	-2.4	-2.4	0	%100
58	M32	Z	1.386	1.386	0	%100
59	M33	X	-2.263	-2.263	0	%100
60	M33	Z	1.307	1.307	0	%100
61	M34	X	-2.263	-2.263	0	%100
62	M34	Z	1.307	1.307	0	%100
63	M35	X	-2.304	-2.304	0	%100
64	M35	Z	1.33	1.33	0	%100
65	M36	X	-2.424	-2.424	0	%100
66	M36	Z	1.4	1.4	0	%100
67	MP5A	X	-2.994	-2.994	0	%100
68	MP5A	Z	1.729	1.729	0	%100
69	M46	X	-.825	-.825	0	%100
70	M46	Z	.476	.476	0	%100
71	MP4A	X	-2.994	-2.994	0	%100
72	MP4A	Z	1.729	1.729	0	%100
73	MP3A	X	-3.302	-3.302	0	%100
74	MP3A	Z	1.907	1.907	0	%100
75	MP2A	X	-2.994	-2.994	0	%100
76	MP2A	Z	1.729	1.729	0	%100
77	MP1A	X	-2.994	-2.994	0	%100
78	MP1A	Z	1.729	1.729	0	%100
79	M52	X	-.708	-.708	0	%100
80	M52	Z	.409	.409	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
1	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	-.66	-.66	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	-.66	-.66	0	%100
6	M6	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....	Start Location[ft.%,]	End Location[ft.%,]
7	M7	X	0	0	%100
8	M7	Z	0	0	%100
9	M8	X	-.66	-.66	%100
10	M8	Z	0	0	%100
11	M9	X	-.66	-.66	%100
12	M9	Z	0	0	%100
13	M10	X	0	0	%100
14	M10	Z	0	0	%100
15	M11	X	-1.791	-1.791	%100
16	M11	Z	0	0	%100
17	M12	X	-1.791	-1.791	%100
18	M12	Z	0	0	%100
19	M13	X	-1.791	-1.791	%100
20	M13	Z	0	0	%100
21	M14	X	-1.791	-1.791	%100
22	M14	Z	0	0	%100
23	M15	X	-3.258	-3.258	%100
24	M15	Z	0	0	%100
25	M16	X	-2.295	-2.295	%100
26	M16	Z	0	0	%100
27	M17	X	-3.258	-3.258	%100
28	M17	Z	0	0	%100
29	M18	X	-2.295	-2.295	%100
30	M18	Z	0	0	%100
31	M19	X	-3.261	-3.261	%100
32	M19	Z	0	0	%100
33	M20	X	-3.258	-3.258	%100
34	M20	Z	0	0	%100
35	M21	X	-3.258	-3.258	%100
36	M21	Z	0	0	%100
37	M22	X	-2.653	-2.653	%100
38	M22	Z	0	0	%100
39	M23	X	-2.653	-2.653	%100
40	M23	Z	0	0	%100
41	M24	X	-2.691	-2.691	%100
42	M24	Z	0	0	%100
43	M25	X	-3.261	-3.261	%100
44	M25	Z	0	0	%100
45	M26	X	-3.258	-3.258	%100
46	M26	Z	0	0	%100
47	M27	X	-2.295	-2.295	%100
48	M27	Z	0	0	%100
49	M28	X	-3.258	-3.258	%100
50	M28	Z	0	0	%100
51	M29	X	-2.295	-2.295	%100
52	M29	Z	0	0	%100
53	M30	X	-3.261	-3.261	%100
54	M30	Z	0	0	%100
55	M31	X	-3.258	-3.258	%100
56	M31	Z	0	0	%100
57	M32	X	-3.258	-3.258	%100
58	M32	Z	0	0	%100
59	M33	X	-2.653	-2.653	%100
60	M33	Z	0	0	%100
61	M34	X	-2.653	-2.653	%100
62	M34	Z	0	0	%100
63	M35	X	-2.691	-2.691	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
64	M35	Z	0	0	0	%100
65	M36	X	-3.261	-3.261	0	%100
66	M36	Z	0	0	0	%100
67	MP5A	X	-3.515	-3.515	0	%100
68	MP5A	Z	0	0	0	%100
69	M46	X	-2.708	-2.708	0	%100
70	M46	Z	0	0	0	%100
71	MP4A	X	-3.515	-3.515	0	%100
72	MP4A	Z	0	0	0	%100
73	MP3A	X	-3.889	-3.889	0	%100
74	MP3A	Z	0	0	0	%100
75	MP2A	X	-3.515	-3.515	0	%100
76	MP2A	Z	0	0	0	%100
77	MP1A	X	-3.515	-3.515	0	%100
78	MP1A	Z	0	0	0	%100
79	M52	X	0	0	0	%100
80	M52	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	M3	X	-.708	-.708	0	%100
2	M3	Z	-.409	-.409	0	%100
3	M5	X	-1.051	-1.051	0	%100
4	M5	Z	-.607	-.607	0	%100
5	M6	X	-.081	-.081	0	%100
6	M6	Z	-.046	-.046	0	%100
7	M7	X	-.842	-.842	0	%100
8	M7	Z	-.486	-.486	0	%100
9	M8	X	-1.051	-1.051	0	%100
10	M8	Z	-.607	-.607	0	%100
11	M9	X	-.081	-.081	0	%100
12	M9	Z	-.046	-.046	0	%100
13	M10	X	-.842	-.842	0	%100
14	M10	Z	-.486	-.486	0	%100
15	M11	X	-2.855	-2.855	0	%100
16	M11	Z	-1.648	-1.648	0	%100
17	M12	X	-.219	-.219	0	%100
18	M12	Z	-.126	-.126	0	%100
19	M13	X	-2.855	-2.855	0	%100
20	M13	Z	-1.648	-1.648	0	%100
21	M14	X	-.219	-.219	0	%100
22	M14	Z	-.126	-.126	0	%100
23	M15	X	-2.4	-2.4	0	%100
24	M15	Z	-1.386	-1.386	0	%100
25	M16	X	-1.704	-1.704	0	%100
26	M16	Z	-.984	-.984	0	%100
27	M17	X	-2.4	-2.4	0	%100
28	M17	Z	-1.386	-1.386	0	%100
29	M18	X	-1.704	-1.704	0	%100
30	M18	Z	-.984	-.984	0	%100
31	M19	X	-2.424	-2.424	0	%100
32	M19	Z	-1.4	-1.4	0	%100
33	M20	X	-2.4	-2.4	0	%100
34	M20	Z	-1.386	-1.386	0	%100
35	M21	X	-2.4	-2.4	0	%100
36	M21	Z	-1.386	-1.386	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
37	M22	X	-2.263	-2.263	0	%100
38	M22	Z	-1.307	-1.307	0	%100
39	M23	X	-2.263	-2.263	0	%100
40	M23	Z	-1.307	-1.307	0	%100
41	M24	X	-2.304	-2.304	0	%100
42	M24	Z	-1.33	-1.33	0	%100
43	M25	X	-2.424	-2.424	0	%100
44	M25	Z	-1.4	-1.4	0	%100
45	M26	X	-2.4	-2.4	0	%100
46	M26	Z	-1.386	-1.386	0	%100
47	M27	X	-2.265	-2.265	0	%100
48	M27	Z	-1.308	-1.308	0	%100
49	M28	X	-2.4	-2.4	0	%100
50	M28	Z	-1.386	-1.386	0	%100
51	M29	X	-2.265	-2.265	0	%100
52	M29	Z	-1.308	-1.308	0	%100
53	M30	X	-2.424	-2.424	0	%100
54	M30	Z	-1.4	-1.4	0	%100
55	M31	X	-2.4	-2.4	0	%100
56	M31	Z	-1.386	-1.386	0	%100
57	M32	X	-2.4	-2.4	0	%100
58	M32	Z	-1.386	-1.386	0	%100
59	M33	X	-2.263	-2.263	0	%100
60	M33	Z	-1.307	-1.307	0	%100
61	M34	X	-2.263	-2.263	0	%100
62	M34	Z	-1.307	-1.307	0	%100
63	M35	X	-2.304	-2.304	0	%100
64	M35	Z	-1.33	-1.33	0	%100
65	M36	X	-2.424	-2.424	0	%100
66	M36	Z	-1.4	-1.4	0	%100
67	MP5A	X	-2.994	-2.994	0	%100
68	MP5A	Z	-1.729	-1.729	0	%100
69	M46	X	-3.042	-3.042	0	%100
70	M46	Z	-1.757	-1.757	0	%100
71	MP4A	X	-2.994	-2.994	0	%100
72	MP4A	Z	-1.729	-1.729	0	%100
73	MP3A	X	-3.302	-3.302	0	%100
74	MP3A	Z	-1.907	-1.907	0	%100
75	MP2A	X	-2.994	-2.994	0	%100
76	MP2A	Z	-1.729	-1.729	0	%100
77	MP1A	X	-2.994	-2.994	0	%100
78	MP1A	Z	-1.729	-1.729	0	%100
79	M52	X	-.708	-.708	0	%100
80	M52	Z	-.409	-.409	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	M3	X	-1.227	-1.227	0	%100
2	M3	Z	-2.125	-2.125	0	%100
3	M5	X	-.601	-.601	0	%100
4	M5	Z	-1.041	-1.041	0	%100
5	M6	X	-.04	-.04	0	%100
6	M6	Z	-.07	-.07	0	%100
7	M7	X	-1.458	-1.458	0	%100
8	M7	Z	-2.526	-2.526	0	%100
9	M8	X	-.601	-.601	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
10	M8	Z	-1.041	-1.041	0 %100
11	M9	X	-.04	-.04	0 %100
12	M9	Z	-.07	-.07	0 %100
13	M10	X	-1.458	-1.458	0 %100
14	M10	Z	-2.526	-2.526	0 %100
15	M11	X	-1.631	-1.631	0 %100
16	M11	Z	-2.826	-2.826	0 %100
17	M12	X	-.11	-.11	0 %100
18	M12	Z	-.19	-.19	0 %100
19	M13	X	-1.631	-1.631	0 %100
20	M13	Z	-2.826	-2.826	0 %100
21	M14	X	-.11	-.11	0 %100
22	M14	Z	-.19	-.19	0 %100
23	M15	X	-.899	-.899	0 %100
24	M15	Z	-1.556	-1.556	0 %100
25	M16	X	-.98	-.98	0 %100
26	M16	Z	-1.698	-1.698	0 %100
27	M17	X	-.899	-.899	0 %100
28	M17	Z	-1.556	-1.556	0 %100
29	M18	X	-.98	-.98	0 %100
30	M18	Z	-1.698	-1.698	0 %100
31	M19	X	-.938	-.938	0 %100
32	M19	Z	-1.625	-1.625	0 %100
33	M20	X	-.899	-.899	0 %100
34	M20	Z	-1.556	-1.556	0 %100
35	M21	X	-.899	-.899	0 %100
36	M21	Z	-1.556	-1.556	0 %100
37	M22	X	-1.266	-1.266	0 %100
38	M22	Z	-2.193	-2.193	0 %100
39	M23	X	-1.266	-1.266	0 %100
40	M23	Z	-2.193	-2.193	0 %100
41	M24	X	-1.299	-1.299	0 %100
42	M24	Z	-2.25	-2.25	0 %100
43	M25	X	-.938	-.938	0 %100
44	M25	Z	-1.625	-1.625	0 %100
45	M26	X	-.899	-.899	0 %100
46	M26	Z	-1.556	-1.556	0 %100
47	M27	X	-1.304	-1.304	0 %100
48	M27	Z	-2.259	-2.259	0 %100
49	M28	X	-.899	-.899	0 %100
50	M28	Z	-1.556	-1.556	0 %100
51	M29	X	-1.304	-1.304	0 %100
52	M29	Z	-2.259	-2.259	0 %100
53	M30	X	-.938	-.938	0 %100
54	M30	Z	-1.625	-1.625	0 %100
55	M31	X	-.899	-.899	0 %100
56	M31	Z	-1.556	-1.556	0 %100
57	M32	X	-.899	-.899	0 %100
58	M32	Z	-1.556	-1.556	0 %100
59	M33	X	-1.266	-1.266	0 %100
60	M33	Z	-2.193	-2.193	0 %100
61	M34	X	-1.266	-1.266	0 %100
62	M34	Z	-2.193	-2.193	0 %100
63	M35	X	-1.299	-1.299	0 %100
64	M35	Z	-2.25	-2.25	0 %100
65	M36	X	-.938	-.938	0 %100
66	M36	Z	-1.625	-1.625	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
67	MP5A	X	-1.671	-1.671	0	%100
68	MP5A	Z	-2.895	-2.895	0	%100
69	M46	X	-1.281	-1.281	0	%100
70	M46	Z	-2.219	-2.219	0	%100
71	MP4A	X	-1.671	-1.671	0	%100
72	MP4A	Z	-2.895	-2.895	0	%100
73	MP3A	X	-1.831	-1.831	0	%100
74	MP3A	Z	-3.171	-3.171	0	%100
75	MP2A	X	-1.671	-1.671	0	%100
76	MP2A	Z	-2.895	-2.895	0	%100
77	MP1A	X	-1.671	-1.671	0	%100
78	MP1A	Z	-2.895	-2.895	0	%100
79	M52	X	-1.227	-1.227	0	%100
80	M52	Z	-2.125	-2.125	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	M3	X	0	0	0	%100
2	M3	Z	-2.244	-2.244	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	-.138	-.138	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	-.138	-.138	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	-2.151	-2.151	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	-.138	-.138	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	-.138	-.138	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	-2.151	-2.151	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	-.871	-.871	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	-.871	-.871	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	-.871	-.871	0	%100
21	M14	X	0	0	0	%100
22	M14	Z	-.871	-.871	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	-.296	-.296	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	-.928	-.928	0	%100
27	M17	X	0	0	0	%100
28	M17	Z	-.296	-.296	0	%100
29	M18	X	0	0	0	%100
30	M18	Z	-.928	-.928	0	%100
31	M19	X	0	0	0	%100
32	M19	Z	-.397	-.397	0	%100
33	M20	X	0	0	0	%100
34	M20	Z	-.296	-.296	0	%100
35	M21	X	0	0	0	%100
36	M21	Z	-.296	-.296	0	%100
37	M22	X	0	0	0	%100
38	M22	Z	-1.032	-1.032	0	%100
39	M23	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
40	M23	Z	-1.032	-1.032	0 %100
41	M24	X	0	0	0 %100
42	M24	Z	-1.232	-1.232	0 %100
43	M25	X	0	0	0 %100
44	M25	Z	-.397	-.397	0 %100
45	M26	X	0	0	0 %100
46	M26	Z	-.296	-.296	0 %100
47	M27	X	0	0	0 %100
48	M27	Z	-.928	-.928	0 %100
49	M28	X	0	0	0 %100
50	M28	Z	-.296	-.296	0 %100
51	M29	X	0	0	0 %100
52	M29	Z	-.928	-.928	0 %100
53	M30	X	0	0	0 %100
54	M30	Z	-.397	-.397	0 %100
55	M31	X	0	0	0 %100
56	M31	Z	-.296	-.296	0 %100
57	M32	X	0	0	0 %100
58	M32	Z	-.296	-.296	0 %100
59	M33	X	0	0	0 %100
60	M33	Z	-1.032	-1.032	0 %100
61	M34	X	0	0	0 %100
62	M34	Z	-1.032	-1.032	0 %100
63	M35	X	0	0	0 %100
64	M35	Z	-1.232	-1.232	0 %100
65	M36	X	0	0	0 %100
66	M36	Z	-.397	-.397	0 %100
67	MP5A	X	0	0	0 %100
68	MP5A	Z	-1.546	-1.546	0 %100
69	M46	X	0	0	0 %100
70	M46	Z	-.408	-.408	0 %100
71	MP4A	X	0	0	0 %100
72	MP4A	Z	-1.546	-1.546	0 %100
73	MP3A	X	0	0	0 %100
74	MP3A	Z	-1.847	-1.847	0 %100
75	MP2A	X	0	0	0 %100
76	MP2A	Z	-1.546	-1.546	0 %100
77	MP1A	X	0	0	0 %100
78	MP1A	Z	-1.546	-1.546	0 %100
79	M52	X	0	0	0 %100
80	M52	Z	-2.244	-2.244	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
1	M3	X	.842	.842	0 %100
2	M3	Z	-1.458	-1.458	0 %100
3	M5	X	.009	.009	0 %100
4	M5	Z	-.015	-.015	0 %100
5	M6	X	.13	.13	0 %100
6	M6	Z	-.225	-.225	0 %100
7	M7	X	.807	.807	0 %100
8	M7	Z	-1.397	-1.397	0 %100
9	M8	X	.009	.009	0 %100
10	M8	Z	-.015	-.015	0 %100
11	M9	X	.13	.13	0 %100
12	M9	Z	-.225	-.225	0 %100



Company : Maser Consulting  
 Designer : MNC  
 Job Number : Project No. 20777340A  
 Model Name : 468096-VZW\_MT\_LOT\_SectorC\_H

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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....	Start Location[ft.%,]	End Location[ft.%,]
13	M10	X	.807	.807	0 %100
14	M10	Z	-1.397	-1.397	0 %100
15	M11	X	.055	.055	0 %100
16	M11	Z	-.096	-.096	0 %100
17	M12	X	.825	.825	0 %100
18	M12	Z	-1.428	-1.428	0 %100
19	M13	X	.055	.055	0 %100
20	M13	Z	-.096	-.096	0 %100
21	M14	X	.825	.825	0 %100
22	M14	Z	-1.428	-1.428	0 %100
23	M15	X	.392	.392	0 %100
24	M15	Z	-.678	-.678	0 %100
25	M16	X	.509	.509	0 %100
26	M16	Z	-.881	-.881	0 %100
27	M17	X	.392	.392	0 %100
28	M17	Z	-.678	-.678	0 %100
29	M18	X	.509	.509	0 %100
30	M18	Z	-.881	-.881	0 %100
31	M19	X	.43	.43	0 %100
32	M19	Z	-.744	-.744	0 %100
33	M20	X	.392	.392	0 %100
34	M20	Z	-.678	-.678	0 %100
35	M21	X	.392	.392	0 %100
36	M21	Z	-.678	-.678	0 %100
37	M22	X	.536	.536	0 %100
38	M22	Z	-.929	-.929	0 %100
39	M23	X	.536	.536	0 %100
40	M23	Z	-.929	-.929	0 %100
41	M24	X	.632	.632	0 %100
42	M24	Z	-1.094	-1.094	0 %100
43	M25	X	.43	.43	0 %100
44	M25	Z	-.744	-.744	0 %100
45	M26	X	.392	.392	0 %100
46	M26	Z	-.678	-.678	0 %100
47	M27	X	.42	.42	0 %100
48	M27	Z	-.728	-.728	0 %100
49	M28	X	.392	.392	0 %100
50	M28	Z	-.678	-.678	0 %100
51	M29	X	.42	.42	0 %100
52	M29	Z	-.728	-.728	0 %100
53	M30	X	.43	.43	0 %100
54	M30	Z	-.744	-.744	0 %100
55	M31	X	.392	.392	0 %100
56	M31	Z	-.678	-.678	0 %100
57	M32	X	.392	.392	0 %100
58	M32	Z	-.678	-.678	0 %100
59	M33	X	.536	.536	0 %100
60	M33	Z	-.929	-.929	0 %100
61	M34	X	.536	.536	0 %100
62	M34	Z	-.929	-.929	0 %100
63	M35	X	.632	.632	0 %100
64	M35	Z	-1.094	-1.094	0 %100
65	M36	X	.43	.43	0 %100
66	M36	Z	-.744	-.744	0 %100
67	MP5A	X	.802	.802	0 %100
68	MP5A	Z	-1.389	-1.389	0 %100
69	M46	X	.000508	.000508	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
70	M46	Z	-.000879	-.000879	0	%100
71	MP4A	X	.802	.802	0	%100
72	MP4A	Z	-1.389	-1.389	0	%100
73	MP3A	X	.961	.961	0	%100
74	MP3A	Z	-1.665	-1.665	0	%100
75	MP2A	X	.802	.802	0	%100
76	MP2A	Z	-1.389	-1.389	0	%100
77	MP1A	X	.802	.802	0	%100
78	MP1A	Z	-1.389	-1.389	0	%100
79	M52	X	.842	.842	0	%100
80	M52	Z	-1.458	-1.458	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M3	X	.486	.486	0	%100
2	M3	Z	-.281	-.281	0	%100
3	M5	X	.017	.017	0	%100
4	M5	Z	-.01	-.01	0	%100
5	M6	X	.228	.228	0	%100
6	M6	Z	-.132	-.132	0	%100
7	M7	X	.466	.466	0	%100
8	M7	Z	-.269	-.269	0	%100
9	M8	X	.017	.017	0	%100
10	M8	Z	-.01	-.01	0	%100
11	M9	X	.228	.228	0	%100
12	M9	Z	-.132	-.132	0	%100
13	M10	X	.466	.466	0	%100
14	M10	Z	-.269	-.269	0	%100
15	M11	X	.111	.111	0	%100
16	M11	Z	-.064	-.064	0	%100
17	M12	X	1.443	1.443	0	%100
18	M12	Z	-.833	-.833	0	%100
19	M13	X	.111	.111	0	%100
20	M13	Z	-.064	-.064	0	%100
21	M14	X	1.443	1.443	0	%100
22	M14	Z	-.833	-.833	0	%100
23	M15	X	1.522	1.522	0	%100
24	M15	Z	-.879	-.879	0	%100
25	M16	X	.883	.883	0	%100
26	M16	Z	-.51	-.51	0	%100
27	M17	X	1.522	1.522	0	%100
28	M17	Z	-.879	-.879	0	%100
29	M18	X	.883	.883	0	%100
30	M18	Z	-.51	-.51	0	%100
31	M19	X	1.544	1.544	0	%100
32	M19	Z	-.891	-.891	0	%100
33	M20	X	1.522	1.522	0	%100
34	M20	Z	-.879	-.879	0	%100
35	M21	X	1.522	1.522	0	%100
36	M21	Z	-.879	-.879	0	%100
37	M22	X	.999	.999	0	%100
38	M22	Z	-.577	-.577	0	%100
39	M23	X	.999	.999	0	%100
40	M23	Z	-.577	-.577	0	%100
41	M24	X	1.147	1.147	0	%100
42	M24	Z	-.662	-.662	0	%100





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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
43	M25	X	1.544	1.544	0	%100
44	M25	Z	-.891	-.891	0	%100
45	M26	X	1.522	1.522	0	%100
46	M26	Z	-.879	-.879	0	%100
47	M27	X	.73	.73	0	%100
48	M27	Z	-.421	-.421	0	%100
49	M28	X	1.522	1.522	0	%100
50	M28	Z	-.879	-.879	0	%100
51	M29	X	.73	.73	0	%100
52	M29	Z	-.421	-.421	0	%100
53	M30	X	1.544	1.544	0	%100
54	M30	Z	-.891	-.891	0	%100
55	M31	X	1.522	1.522	0	%100
56	M31	Z	-.879	-.879	0	%100
57	M32	X	1.522	1.522	0	%100
58	M32	Z	-.879	-.879	0	%100
59	M33	X	.999	.999	0	%100
60	M33	Z	-.577	-.577	0	%100
61	M34	X	.999	.999	0	%100
62	M34	Z	-.577	-.577	0	%100
63	M35	X	1.147	1.147	0	%100
64	M35	Z	-.662	-.662	0	%100
65	M36	X	1.544	1.544	0	%100
66	M36	Z	-.891	-.891	0	%100
67	MP5A	X	1.489	1.489	0	%100
68	MP5A	Z	-.86	-.86	0	%100
69	M46	X	.417	.417	0	%100
70	M46	Z	-.241	-.241	0	%100
71	MP4A	X	1.489	1.489	0	%100
72	MP4A	Z	-.86	-.86	0	%100
73	MP3A	X	1.797	1.797	0	%100
74	MP3A	Z	-1.037	-1.037	0	%100
75	MP2A	X	1.489	1.489	0	%100
76	MP2A	Z	-.86	-.86	0	%100
77	MP1A	X	1.489	1.489	0	%100
78	MP1A	Z	-.86	-.86	0	%100
79	M52	X	.486	.486	0	%100
80	M52	Z	-.281	-.281	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
1	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	.143	.143	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	.143	.143	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	.143	.143	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	.143	.143	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M11	X	.905	.905	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
16	M11	Z	0	0	%100
17	M12	X	.905	.905	%100
18	M12	Z	0	0	%100
19	M13	X	.905	.905	%100
20	M13	Z	0	0	%100
21	M14	X	.905	.905	%100
22	M14	Z	0	0	%100
23	M15	X	2.244	2.244	%100
24	M15	Z	0	0	%100
25	M16	X	.932	.932	%100
26	M16	Z	0	0	%100
27	M17	X	2.244	2.244	%100
28	M17	Z	0	0	%100
29	M18	X	.932	.932	%100
30	M18	Z	0	0	%100
31	M19	X	2.244	2.244	%100
32	M19	Z	0	0	%100
33	M20	X	2.244	2.244	%100
34	M20	Z	0	0	%100
35	M21	X	2.244	2.244	%100
36	M21	Z	0	0	%100
37	M22	X	1.193	1.193	%100
38	M22	Z	0	0	%100
39	M23	X	1.193	1.193	%100
40	M23	Z	0	0	%100
41	M24	X	1.356	1.356	%100
42	M24	Z	0	0	%100
43	M25	X	2.244	2.244	%100
44	M25	Z	0	0	%100
45	M26	X	2.244	2.244	%100
46	M26	Z	0	0	%100
47	M27	X	.932	.932	%100
48	M27	Z	0	0	%100
49	M28	X	2.244	2.244	%100
50	M28	Z	0	0	%100
51	M29	X	.932	.932	%100
52	M29	Z	0	0	%100
53	M30	X	2.244	2.244	%100
54	M30	Z	0	0	%100
55	M31	X	2.244	2.244	%100
56	M31	Z	0	0	%100
57	M32	X	2.244	2.244	%100
58	M32	Z	0	0	%100
59	M33	X	1.193	1.193	%100
60	M33	Z	0	0	%100
61	M34	X	1.193	1.193	%100
62	M34	Z	0	0	%100
63	M35	X	1.356	1.356	%100
64	M35	Z	0	0	%100
65	M36	X	2.244	2.244	%100
66	M36	Z	0	0	%100
67	MP5A	X	1.777	1.777	%100
68	MP5A	Z	0	0	%100
69	M46	X	1.369	1.369	%100
70	M46	Z	0	0	%100
71	MP4A	X	1.777	1.777	%100
72	MP4A	Z	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
73	MP3A	X	2.151	2.151	0	%100
74	MP3A	Z	0	0	0	%100
75	MP2A	X	1.777	1.777	0	%100
76	MP2A	Z	0	0	0	%100
77	MP1A	X	1.777	1.777	0	%100
78	MP1A	Z	0	0	0	%100
79	M52	X	0	0	0	%100
80	M52	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....	Start Location[ft.%,]	End Location[ft.%,]
1	M3	X	.486	.486	0	%100
2	M3	Z	.281	.281	0	%100
3	M5	X	.228	.228	0	%100
4	M5	Z	.132	.132	0	%100
5	M6	X	.017	.017	0	%100
6	M6	Z	.01	.01	0	%100
7	M7	X	.466	.466	0	%100
8	M7	Z	.269	.269	0	%100
9	M8	X	.228	.228	0	%100
10	M8	Z	.132	.132	0	%100
11	M9	X	.017	.017	0	%100
12	M9	Z	.01	.01	0	%100
13	M10	X	.466	.466	0	%100
14	M10	Z	.269	.269	0	%100
15	M11	X	1.443	1.443	0	%100
16	M11	Z	.833	.833	0	%100
17	M12	X	.111	.111	0	%100
18	M12	Z	.064	.064	0	%100
19	M13	X	1.443	1.443	0	%100
20	M13	Z	.833	.833	0	%100
21	M14	X	.111	.111	0	%100
22	M14	Z	.064	.064	0	%100
23	M15	X	1.522	1.522	0	%100
24	M15	Z	.879	.879	0	%100
25	M16	X	.73	.73	0	%100
26	M16	Z	.421	.421	0	%100
27	M17	X	1.522	1.522	0	%100
28	M17	Z	.879	.879	0	%100
29	M18	X	.73	.73	0	%100
30	M18	Z	.421	.421	0	%100
31	M19	X	1.544	1.544	0	%100
32	M19	Z	.891	.891	0	%100
33	M20	X	1.522	1.522	0	%100
34	M20	Z	.879	.879	0	%100
35	M21	X	1.522	1.522	0	%100
36	M21	Z	.879	.879	0	%100
37	M22	X	.999	.999	0	%100
38	M22	Z	.577	.577	0	%100
39	M23	X	.999	.999	0	%100
40	M23	Z	.577	.577	0	%100
41	M24	X	1.147	1.147	0	%100
42	M24	Z	.662	.662	0	%100
43	M25	X	1.544	1.544	0	%100
44	M25	Z	.891	.891	0	%100
45	M26	X	1.522	1.522	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
46	M26	Z	.879	.879	0	%100
47	M27	X	.883	.883	0	%100
48	M27	Z	.51	.51	0	%100
49	M28	X	1.522	1.522	0	%100
50	M28	Z	.879	.879	0	%100
51	M29	X	.883	.883	0	%100
52	M29	Z	.51	.51	0	%100
53	M30	X	1.544	1.544	0	%100
54	M30	Z	.891	.891	0	%100
55	M31	X	1.522	1.522	0	%100
56	M31	Z	.879	.879	0	%100
57	M32	X	1.522	1.522	0	%100
58	M32	Z	.879	.879	0	%100
59	M33	X	.999	.999	0	%100
60	M33	Z	.577	.577	0	%100
61	M34	X	.999	.999	0	%100
62	M34	Z	.577	.577	0	%100
63	M35	X	1.147	1.147	0	%100
64	M35	Z	.662	.662	0	%100
65	M36	X	1.544	1.544	0	%100
66	M36	Z	.891	.891	0	%100
67	MP5A	X	1.489	1.489	0	%100
68	MP5A	Z	.86	.86	0	%100
69	M46	X	1.538	1.538	0	%100
70	M46	Z	.888	.888	0	%100
71	MP4A	X	1.489	1.489	0	%100
72	MP4A	Z	.86	.86	0	%100
73	MP3A	X	1.797	1.797	0	%100
74	MP3A	Z	1.037	1.037	0	%100
75	MP2A	X	1.489	1.489	0	%100
76	MP2A	Z	.86	.86	0	%100
77	MP1A	X	1.489	1.489	0	%100
78	MP1A	Z	.86	.86	0	%100
79	M52	X	.486	.486	0	%100
80	M52	Z	.281	.281	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	M3	X	.842	.842	0	%100
2	M3	Z	1.458	1.458	0	%100
3	M5	X	.13	.13	0	%100
4	M5	Z	.225	.225	0	%100
5	M6	X	.009	.009	0	%100
6	M6	Z	.015	.015	0	%100
7	M7	X	.807	.807	0	%100
8	M7	Z	1.397	1.397	0	%100
9	M8	X	.13	.13	0	%100
10	M8	Z	.225	.225	0	%100
11	M9	X	.009	.009	0	%100
12	M9	Z	.015	.015	0	%100
13	M10	X	.807	.807	0	%100
14	M10	Z	1.397	1.397	0	%100
15	M11	X	.825	.825	0	%100
16	M11	Z	1.428	1.428	0	%100
17	M12	X	.055	.055	0	%100
18	M12	Z	.096	.096	0	%100



Company : Maser Consulting  
 Designer : MNC  
 Job Number : Project No. 20777340A  
 Model Name : 468096-VZW\_MT\_LOT\_SectorC\_H

Nov 10, 2020  
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 Checked By: \_\_\_\_\_

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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
19	M13	X	.825	.825	0 %100
20	M13	Z	1.428	1.428	0 %100
21	M14	X	.055	.055	0 %100
22	M14	Z	.096	.096	0 %100
23	M15	X	.392	.392	0 %100
24	M15	Z	.678	.678	0 %100
25	M16	X	.42	.42	0 %100
26	M16	Z	.728	.728	0 %100
27	M17	X	.392	.392	0 %100
28	M17	Z	.678	.678	0 %100
29	M18	X	.42	.42	0 %100
30	M18	Z	.728	.728	0 %100
31	M19	X	.43	.43	0 %100
32	M19	Z	.744	.744	0 %100
33	M20	X	.392	.392	0 %100
34	M20	Z	.678	.678	0 %100
35	M21	X	.392	.392	0 %100
36	M21	Z	.678	.678	0 %100
37	M22	X	.536	.536	0 %100
38	M22	Z	.929	.929	0 %100
39	M23	X	.536	.536	0 %100
40	M23	Z	.929	.929	0 %100
41	M24	X	.632	.632	0 %100
42	M24	Z	1.094	1.094	0 %100
43	M25	X	.43	.43	0 %100
44	M25	Z	.744	.744	0 %100
45	M26	X	.392	.392	0 %100
46	M26	Z	.678	.678	0 %100
47	M27	X	.509	.509	0 %100
48	M27	Z	.881	.881	0 %100
49	M28	X	.392	.392	0 %100
50	M28	Z	.678	.678	0 %100
51	M29	X	.509	.509	0 %100
52	M29	Z	.881	.881	0 %100
53	M30	X	.43	.43	0 %100
54	M30	Z	.744	.744	0 %100
55	M31	X	.392	.392	0 %100
56	M31	Z	.678	.678	0 %100
57	M32	X	.392	.392	0 %100
58	M32	Z	.678	.678	0 %100
59	M33	X	.536	.536	0 %100
60	M33	Z	.929	.929	0 %100
61	M34	X	.536	.536	0 %100
62	M34	Z	.929	.929	0 %100
63	M35	X	.632	.632	0 %100
64	M35	Z	1.094	1.094	0 %100
65	M36	X	.43	.43	0 %100
66	M36	Z	.744	.744	0 %100
67	MP5A	X	.802	.802	0 %100
68	MP5A	Z	1.389	1.389	0 %100
69	M46	X	.648	.648	0 %100
70	M46	Z	1.122	1.122	0 %100
71	MP4A	X	.802	.802	0 %100
72	MP4A	Z	1.389	1.389	0 %100
73	MP3A	X	.961	.961	0 %100
74	MP3A	Z	1.665	1.665	0 %100
75	MP2A	X	.802	.802	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
76	MP2A	Z	1.389	1.389	0	%100
77	MP1A	X	.802	.802	0	%100
78	MP1A	Z	1.389	1.389	0	%100
79	M52	X	.842	.842	0	%100
80	M52	Z	1.458	1.458	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M3	X	0	0	0	%100
2	M3	Z	2.244	2.244	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	.138	.138	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	.138	.138	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	2.151	2.151	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	.138	.138	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	.138	.138	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	2.151	2.151	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	.871	.871	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	.871	.871	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	.871	.871	0	%100
21	M14	X	0	0	0	%100
22	M14	Z	.871	.871	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	.296	.296	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	.928	.928	0	%100
27	M17	X	0	0	0	%100
28	M17	Z	.296	.296	0	%100
29	M18	X	0	0	0	%100
30	M18	Z	.928	.928	0	%100
31	M19	X	0	0	0	%100
32	M19	Z	.397	.397	0	%100
33	M20	X	0	0	0	%100
34	M20	Z	.296	.296	0	%100
35	M21	X	0	0	0	%100
36	M21	Z	.296	.296	0	%100
37	M22	X	0	0	0	%100
38	M22	Z	1.032	1.032	0	%100
39	M23	X	0	0	0	%100
40	M23	Z	1.032	1.032	0	%100
41	M24	X	0	0	0	%100
42	M24	Z	1.232	1.232	0	%100
43	M25	X	0	0	0	%100
44	M25	Z	.397	.397	0	%100
45	M26	X	0	0	0	%100
46	M26	Z	.296	.296	0	%100
47	M27	X	0	0	0	%100
48	M27	Z	.928	.928	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
49	M28	X	0	0	0	%100
50	M28	Z	.296	.296	0	%100
51	M29	X	0	0	0	%100
52	M29	Z	.928	.928	0	%100
53	M30	X	0	0	0	%100
54	M30	Z	.397	.397	0	%100
55	M31	X	0	0	0	%100
56	M31	Z	.296	.296	0	%100
57	M32	X	0	0	0	%100
58	M32	Z	.296	.296	0	%100
59	M33	X	0	0	0	%100
60	M33	Z	1.032	1.032	0	%100
61	M34	X	0	0	0	%100
62	M34	Z	1.032	1.032	0	%100
63	M35	X	0	0	0	%100
64	M35	Z	1.232	1.232	0	%100
65	M36	X	0	0	0	%100
66	M36	Z	.397	.397	0	%100
67	MP5A	X	0	0	0	%100
68	MP5A	Z	1.546	1.546	0	%100
69	M46	X	0	0	0	%100
70	M46	Z	.408	.408	0	%100
71	MP4A	X	0	0	0	%100
72	MP4A	Z	1.546	1.546	0	%100
73	MP3A	X	0	0	0	%100
74	MP3A	Z	1.847	1.847	0	%100
75	MP2A	X	0	0	0	%100
76	MP2A	Z	1.546	1.546	0	%100
77	MP1A	X	0	0	0	%100
78	MP1A	Z	1.546	1.546	0	%100
79	M52	X	0	0	0	%100
80	M52	Z	2.244	2.244	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
1	M3	X	-.842	-.842	0	%100
2	M3	Z	1.458	1.458	0	%100
3	M5	X	-.009	-.009	0	%100
4	M5	Z	.015	.015	0	%100
5	M6	X	-.13	-.13	0	%100
6	M6	Z	.225	.225	0	%100
7	M7	X	-.807	-.807	0	%100
8	M7	Z	1.397	1.397	0	%100
9	M8	X	-.009	-.009	0	%100
10	M8	Z	.015	.015	0	%100
11	M9	X	-.13	-.13	0	%100
12	M9	Z	.225	.225	0	%100
13	M10	X	-.807	-.807	0	%100
14	M10	Z	1.397	1.397	0	%100
15	M11	X	-.055	-.055	0	%100
16	M11	Z	.096	.096	0	%100
17	M12	X	-.825	-.825	0	%100
18	M12	Z	1.428	1.428	0	%100
19	M13	X	-.055	-.055	0	%100
20	M13	Z	.096	.096	0	%100
21	M14	X	-.825	-.825	0	%100



Company : Maser Consulting  
 Designer : MNC  
 Job Number : Project No. 20777340A  
 Model Name : 468096-VZW\_MT\_LOT\_SectorC\_H

Nov 10, 2020  
 1:58 PM  
 Checked By: \_\_\_\_\_

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

Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
22	M14	Z	1.428	1.428	0 %100
23	M15	X	-.392	-.392	0 %100
24	M15	Z	.678	.678	0 %100
25	M16	X	-.509	-.509	0 %100
26	M16	Z	.881	.881	0 %100
27	M17	X	-.392	-.392	0 %100
28	M17	Z	.678	.678	0 %100
29	M18	X	-.509	-.509	0 %100
30	M18	Z	.881	.881	0 %100
31	M19	X	-.43	-.43	0 %100
32	M19	Z	.744	.744	0 %100
33	M20	X	-.392	-.392	0 %100
34	M20	Z	.678	.678	0 %100
35	M21	X	-.392	-.392	0 %100
36	M21	Z	.678	.678	0 %100
37	M22	X	-.536	-.536	0 %100
38	M22	Z	.929	.929	0 %100
39	M23	X	-.536	-.536	0 %100
40	M23	Z	.929	.929	0 %100
41	M24	X	-.632	-.632	0 %100
42	M24	Z	1.094	1.094	0 %100
43	M25	X	-.43	-.43	0 %100
44	M25	Z	.744	.744	0 %100
45	M26	X	-.392	-.392	0 %100
46	M26	Z	.678	.678	0 %100
47	M27	X	-.42	-.42	0 %100
48	M27	Z	.728	.728	0 %100
49	M28	X	-.392	-.392	0 %100
50	M28	Z	.678	.678	0 %100
51	M29	X	-.42	-.42	0 %100
52	M29	Z	.728	.728	0 %100
53	M30	X	-.43	-.43	0 %100
54	M30	Z	.744	.744	0 %100
55	M31	X	-.392	-.392	0 %100
56	M31	Z	.678	.678	0 %100
57	M32	X	-.392	-.392	0 %100
58	M32	Z	.678	.678	0 %100
59	M33	X	-.536	-.536	0 %100
60	M33	Z	.929	.929	0 %100
61	M34	X	-.536	-.536	0 %100
62	M34	Z	.929	.929	0 %100
63	M35	X	-.632	-.632	0 %100
64	M35	Z	1.094	1.094	0 %100
65	M36	X	-.43	-.43	0 %100
66	M36	Z	.744	.744	0 %100
67	MP5A	X	-.802	-.802	0 %100
68	MP5A	Z	1.389	1.389	0 %100
69	M46	X	-.000508	-.000508	0 %100
70	M46	Z	.000879	.000879	0 %100
71	MP4A	X	-.802	-.802	0 %100
72	MP4A	Z	1.389	1.389	0 %100
73	MP3A	X	-.961	-.961	0 %100
74	MP3A	Z	1.665	1.665	0 %100
75	MP2A	X	-.802	-.802	0 %100
76	MP2A	Z	1.389	1.389	0 %100
77	MP1A	X	-.802	-.802	0 %100
78	MP1A	Z	1.389	1.389	0 %100





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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
79	M52	X	-.842	-.842	0	%100
80	M52	Z	1.458	1.458	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
1	M3	X	-.486	-.486	0	%100
2	M3	Z	.281	.281	0	%100
3	M5	X	-.017	-.017	0	%100
4	M5	Z	.01	.01	0	%100
5	M6	X	-.228	-.228	0	%100
6	M6	Z	.132	.132	0	%100
7	M7	X	-.466	-.466	0	%100
8	M7	Z	.269	.269	0	%100
9	M8	X	-.017	-.017	0	%100
10	M8	Z	.01	.01	0	%100
11	M9	X	-.228	-.228	0	%100
12	M9	Z	.132	.132	0	%100
13	M10	X	-.466	-.466	0	%100
14	M10	Z	.269	.269	0	%100
15	M11	X	-.111	-.111	0	%100
16	M11	Z	.064	.064	0	%100
17	M12	X	-1.443	-1.443	0	%100
18	M12	Z	.833	.833	0	%100
19	M13	X	-.111	-.111	0	%100
20	M13	Z	.064	.064	0	%100
21	M14	X	-1.443	-1.443	0	%100
22	M14	Z	.833	.833	0	%100
23	M15	X	-1.522	-1.522	0	%100
24	M15	Z	.879	.879	0	%100
25	M16	X	-.883	-.883	0	%100
26	M16	Z	.51	.51	0	%100
27	M17	X	-1.522	-1.522	0	%100
28	M17	Z	.879	.879	0	%100
29	M18	X	-.883	-.883	0	%100
30	M18	Z	.51	.51	0	%100
31	M19	X	-1.544	-1.544	0	%100
32	M19	Z	.891	.891	0	%100
33	M20	X	-1.522	-1.522	0	%100
34	M20	Z	.879	.879	0	%100
35	M21	X	-1.522	-1.522	0	%100
36	M21	Z	.879	.879	0	%100
37	M22	X	-.999	-.999	0	%100
38	M22	Z	.577	.577	0	%100
39	M23	X	-.999	-.999	0	%100
40	M23	Z	.577	.577	0	%100
41	M24	X	-1.147	-1.147	0	%100
42	M24	Z	.662	.662	0	%100
43	M25	X	-1.544	-1.544	0	%100
44	M25	Z	.891	.891	0	%100
45	M26	X	-1.522	-1.522	0	%100
46	M26	Z	.879	.879	0	%100
47	M27	X	-.73	-.73	0	%100
48	M27	Z	.421	.421	0	%100
49	M28	X	-1.522	-1.522	0	%100
50	M28	Z	.879	.879	0	%100
51	M29	X	-.73	-.73	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
52	M29	Z	.421	.421	0	%100
53	M30	X	-1.544	-1.544	0	%100
54	M30	Z	.891	.891	0	%100
55	M31	X	-1.522	-1.522	0	%100
56	M31	Z	.879	.879	0	%100
57	M32	X	-1.522	-1.522	0	%100
58	M32	Z	.879	.879	0	%100
59	M33	X	-.999	-.999	0	%100
60	M33	Z	.577	.577	0	%100
61	M34	X	-.999	-.999	0	%100
62	M34	Z	.577	.577	0	%100
63	M35	X	-1.147	-1.147	0	%100
64	M35	Z	.662	.662	0	%100
65	M36	X	-1.544	-1.544	0	%100
66	M36	Z	.891	.891	0	%100
67	MP5A	X	-1.489	-1.489	0	%100
68	MP5A	Z	.86	.86	0	%100
69	M46	X	-.417	-.417	0	%100
70	M46	Z	.241	.241	0	%100
71	MP4A	X	-1.489	-1.489	0	%100
72	MP4A	Z	.86	.86	0	%100
73	MP3A	X	-1.797	-1.797	0	%100
74	MP3A	Z	1.037	1.037	0	%100
75	MP2A	X	-1.489	-1.489	0	%100
76	MP2A	Z	.86	.86	0	%100
77	MP1A	X	-1.489	-1.489	0	%100
78	MP1A	Z	.86	.86	0	%100
79	M52	X	-.486	-.486	0	%100
80	M52	Z	.281	.281	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
1	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	-.143	-.143	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	-.143	-.143	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	-.143	-.143	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	-.143	-.143	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M11	X	-.905	-.905	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	-.905	-.905	0	%100
18	M12	Z	0	0	0	%100
19	M13	X	-.905	-.905	0	%100
20	M13	Z	0	0	0	%100
21	M14	X	-.905	-.905	0	%100
22	M14	Z	0	0	0	%100
23	M15	X	-2.244	-2.244	0	%100
24	M15	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....	Start Location[ft.%,]	End Location[ft.%,]
25	M16	X	-.932	-.932	0 %100
26	M16	Z	0	0	0 %100
27	M17	X	-2.244	-2.244	0 %100
28	M17	Z	0	0	0 %100
29	M18	X	-.932	-.932	0 %100
30	M18	Z	0	0	0 %100
31	M19	X	-2.244	-2.244	0 %100
32	M19	Z	0	0	0 %100
33	M20	X	-2.244	-2.244	0 %100
34	M20	Z	0	0	0 %100
35	M21	X	-2.244	-2.244	0 %100
36	M21	Z	0	0	0 %100
37	M22	X	-1.193	-1.193	0 %100
38	M22	Z	0	0	0 %100
39	M23	X	-1.193	-1.193	0 %100
40	M23	Z	0	0	0 %100
41	M24	X	-1.356	-1.356	0 %100
42	M24	Z	0	0	0 %100
43	M25	X	-2.244	-2.244	0 %100
44	M25	Z	0	0	0 %100
45	M26	X	-2.244	-2.244	0 %100
46	M26	Z	0	0	0 %100
47	M27	X	-.932	-.932	0 %100
48	M27	Z	0	0	0 %100
49	M28	X	-2.244	-2.244	0 %100
50	M28	Z	0	0	0 %100
51	M29	X	-.932	-.932	0 %100
52	M29	Z	0	0	0 %100
53	M30	X	-2.244	-2.244	0 %100
54	M30	Z	0	0	0 %100
55	M31	X	-2.244	-2.244	0 %100
56	M31	Z	0	0	0 %100
57	M32	X	-2.244	-2.244	0 %100
58	M32	Z	0	0	0 %100
59	M33	X	-1.193	-1.193	0 %100
60	M33	Z	0	0	0 %100
61	M34	X	-1.193	-1.193	0 %100
62	M34	Z	0	0	0 %100
63	M35	X	-1.356	-1.356	0 %100
64	M35	Z	0	0	0 %100
65	M36	X	-2.244	-2.244	0 %100
66	M36	Z	0	0	0 %100
67	MP5A	X	-1.777	-1.777	0 %100
68	MP5A	Z	0	0	0 %100
69	M46	X	-1.369	-1.369	0 %100
70	M46	Z	0	0	0 %100
71	MP4A	X	-1.777	-1.777	0 %100
72	MP4A	Z	0	0	0 %100
73	MP3A	X	-2.151	-2.151	0 %100
74	MP3A	Z	0	0	0 %100
75	MP2A	X	-1.777	-1.777	0 %100
76	MP2A	Z	0	0	0 %100
77	MP1A	X	-1.777	-1.777	0 %100
78	MP1A	Z	0	0	0 %100
79	M52	X	0	0	0 %100
80	M52	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....	Start Location[ft.%,]	End Location[ft.%,]
1	M3	X	-486	-486	0 %100
2	M3	Z	-281	-281	0 %100
3	M5	X	-228	-228	0 %100
4	M5	Z	-132	-132	0 %100
5	M6	X	-017	-017	0 %100
6	M6	Z	-01	-01	0 %100
7	M7	X	-466	-466	0 %100
8	M7	Z	-269	-269	0 %100
9	M8	X	-228	-228	0 %100
10	M8	Z	-132	-132	0 %100
11	M9	X	-017	-017	0 %100
12	M9	Z	-01	-01	0 %100
13	M10	X	-466	-466	0 %100
14	M10	Z	-269	-269	0 %100
15	M11	X	-1.443	-1.443	0 %100
16	M11	Z	-833	-833	0 %100
17	M12	X	-111	-111	0 %100
18	M12	Z	-064	-064	0 %100
19	M13	X	-1.443	-1.443	0 %100
20	M13	Z	-833	-833	0 %100
21	M14	X	-111	-111	0 %100
22	M14	Z	-064	-064	0 %100
23	M15	X	-1.522	-1.522	0 %100
24	M15	Z	-879	-879	0 %100
25	M16	X	-73	-73	0 %100
26	M16	Z	-421	-421	0 %100
27	M17	X	-1.522	-1.522	0 %100
28	M17	Z	-879	-879	0 %100
29	M18	X	-73	-73	0 %100
30	M18	Z	-421	-421	0 %100
31	M19	X	-1.544	-1.544	0 %100
32	M19	Z	-891	-891	0 %100
33	M20	X	-1.522	-1.522	0 %100
34	M20	Z	-879	-879	0 %100
35	M21	X	-1.522	-1.522	0 %100
36	M21	Z	-879	-879	0 %100
37	M22	X	-999	-999	0 %100
38	M22	Z	-577	-577	0 %100
39	M23	X	-999	-999	0 %100
40	M23	Z	-577	-577	0 %100
41	M24	X	-1.147	-1.147	0 %100
42	M24	Z	-662	-662	0 %100
43	M25	X	-1.544	-1.544	0 %100
44	M25	Z	-891	-891	0 %100
45	M26	X	-1.522	-1.522	0 %100
46	M26	Z	-879	-879	0 %100
47	M27	X	-883	-883	0 %100
48	M27	Z	-51	-51	0 %100
49	M28	X	-1.522	-1.522	0 %100
50	M28	Z	-879	-879	0 %100
51	M29	X	-883	-883	0 %100
52	M29	Z	-51	-51	0 %100
53	M30	X	-1.544	-1.544	0 %100
54	M30	Z	-891	-891	0 %100
55	M31	X	-1.522	-1.522	0 %100
56	M31	Z	-879	-879	0 %100
57	M32	X	-1.522	-1.522	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
58	M32	Z	- .879	- .879	0	%100
59	M33	X	- .999	- .999	0	%100
60	M33	Z	- .577	- .577	0	%100
61	M34	X	- .999	- .999	0	%100
62	M34	Z	- .577	- .577	0	%100
63	M35	X	- 1.147	- 1.147	0	%100
64	M35	Z	- .662	- .662	0	%100
65	M36	X	- 1.544	- 1.544	0	%100
66	M36	Z	- .891	- .891	0	%100
67	MP5A	X	- 1.489	- 1.489	0	%100
68	MP5A	Z	- .86	- .86	0	%100
69	M46	X	- 1.538	- 1.538	0	%100
70	M46	Z	- .888	- .888	0	%100
71	MP4A	X	- 1.489	- 1.489	0	%100
72	MP4A	Z	- .86	- .86	0	%100
73	MP3A	X	- 1.797	- 1.797	0	%100
74	MP3A	Z	- 1.037	- 1.037	0	%100
75	MP2A	X	- 1.489	- 1.489	0	%100
76	MP2A	Z	- .86	- .86	0	%100
77	MP1A	X	- 1.489	- 1.489	0	%100
78	MP1A	Z	- .86	- .86	0	%100
79	M52	X	- .486	- .486	0	%100
80	M52	Z	- .281	- .281	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft, %]	End Location[ft, %]
1	M3	X	- .842	- .842	0	%100
2	M3	Z	- 1.458	- 1.458	0	%100
3	M5	X	- .13	- .13	0	%100
4	M5	Z	- .225	- .225	0	%100
5	M6	X	- .009	- .009	0	%100
6	M6	Z	- .015	- .015	0	%100
7	M7	X	- .807	- .807	0	%100
8	M7	Z	- 1.397	- 1.397	0	%100
9	M8	X	- .13	- .13	0	%100
10	M8	Z	- .225	- .225	0	%100
11	M9	X	- .009	- .009	0	%100
12	M9	Z	- .015	- .015	0	%100
13	M10	X	- .807	- .807	0	%100
14	M10	Z	- 1.397	- 1.397	0	%100
15	M11	X	- .825	- .825	0	%100
16	M11	Z	- 1.428	- 1.428	0	%100
17	M12	X	- .055	- .055	0	%100
18	M12	Z	- .096	- .096	0	%100
19	M13	X	- .825	- .825	0	%100
20	M13	Z	- 1.428	- 1.428	0	%100
21	M14	X	- .055	- .055	0	%100
22	M14	Z	- .096	- .096	0	%100
23	M15	X	- .392	- .392	0	%100
24	M15	Z	- .678	- .678	0	%100
25	M16	X	- .42	- .42	0	%100
26	M16	Z	- .728	- .728	0	%100
27	M17	X	- .392	- .392	0	%100
28	M17	Z	- .678	- .678	0	%100
29	M18	X	- .42	- .42	0	%100
30	M18	Z	- .728	- .728	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%,]	End Location[ft.%,]
31	M19	X	-43	-43	0 %100
32	M19	Z	-744	-744	0 %100
33	M20	X	-392	-392	0 %100
34	M20	Z	-678	-678	0 %100
35	M21	X	-392	-392	0 %100
36	M21	Z	-678	-678	0 %100
37	M22	X	-536	-536	0 %100
38	M22	Z	-929	-929	0 %100
39	M23	X	-536	-536	0 %100
40	M23	Z	-929	-929	0 %100
41	M24	X	-632	-632	0 %100
42	M24	Z	-1.094	-1.094	0 %100
43	M25	X	-43	-43	0 %100
44	M25	Z	-744	-744	0 %100
45	M26	X	-392	-392	0 %100
46	M26	Z	-678	-678	0 %100
47	M27	X	-509	-509	0 %100
48	M27	Z	-881	-881	0 %100
49	M28	X	-392	-392	0 %100
50	M28	Z	-678	-678	0 %100
51	M29	X	-509	-509	0 %100
52	M29	Z	-881	-881	0 %100
53	M30	X	-43	-43	0 %100
54	M30	Z	-744	-744	0 %100
55	M31	X	-392	-392	0 %100
56	M31	Z	-678	-678	0 %100
57	M32	X	-392	-392	0 %100
58	M32	Z	-678	-678	0 %100
59	M33	X	-536	-536	0 %100
60	M33	Z	-929	-929	0 %100
61	M34	X	-536	-536	0 %100
62	M34	Z	-929	-929	0 %100
63	M35	X	-632	-632	0 %100
64	M35	Z	-1.094	-1.094	0 %100
65	M36	X	-43	-43	0 %100
66	M36	Z	-744	-744	0 %100
67	MP5A	X	-802	-802	0 %100
68	MP5A	Z	-1.389	-1.389	0 %100
69	M46	X	-648	-648	0 %100
70	M46	Z	-1.122	-1.122	0 %100
71	MP4A	X	-802	-802	0 %100
72	MP4A	Z	-1.389	-1.389	0 %100
73	MP3A	X	-961	-961	0 %100
74	MP3A	Z	-1.665	-1.665	0 %100
75	MP2A	X	-802	-802	0 %100
76	MP2A	Z	-1.389	-1.389	0 %100
77	MP1A	X	-802	-802	0 %100
78	MP1A	Z	-1.389	-1.389	0 %100
79	M52	X	-842	-842	0 %100
80	M52	Z	-1.458	-1.458	0 %100

**Member Area Loads**

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



### Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N65	max	1337.955	11	1207.029	20	3491.374	13	-.171	7	0	51	.069	9
2		min	-852.678	5	570.537	9	-486.657	7	-.37	13	0	1	-.046	3
3	N80	max	388.872	49	1293.356	14	39.982	12	-.175	7	0	51	.076	9
4		min	-972.288	40	603.718	7	-3437.125	18	-.393	13	0	1	-.051	3
5	N80B	max	551.779	11	40.537	23	915.5	5	.002	29	0	51	.006	11
6		min	-550.657	5	18.153	41	-916.616	11	-.004	11	0	1	-.004	29
7	Totals:	max	1837.133	11	2539.644	15	2786.186	1						
8		min	-1837.134	5	1193.689	9	-2786.189	7						

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

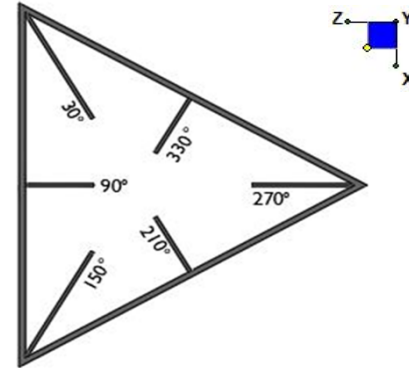
Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [...]	phi*Pnt [...]	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M3	L4X3X6	.000	.281	18	.000	.281	z	24	80199.017	80676	2.686	7.063	1... H2-1
2	M5	PL3/8X3	.446	0	15	.087	0	y	11	34985.705	36450	.284	2.279	1... H1-1b
3	M6	PL3/8X3	.549	0	44	.110	0	y	2	34985.705	36450	.284	2.279	1... H1-1b
4	M7	PIPE 2.5	.210	6.5	29	.136	10.375		11	15797.3	50715	3.596	3.596	1.6 H1-1b
5	M8	PL3/8X3	.445	0	14	.073	.25	y	9	34985.705	36450	.284	2.279	1... H1-1b
6	M9	PL3/8X3	.537	0	48	.087	0	y	2	34985.705	36450	.284	2.279	1... H1-1b
7	M10	PIPE 2.5	.423	6.5	1	.144	9.25		12	15797.3	50715	3.596	3.596	1... H1-1b
8	M11	PIPE 2.0	.218	.495	17	.065	0		15	21054.34	32130	1.872	1.872	2... H1-1b
9	M12	PIPE 2.0	.252	.495	44	.085	5.381		21	21054.34	32130	1.872	1.872	2... H1-1b
10	M13	PIPE 2.0	.245	.557	15	.063	0		17	21054.34	32130	1.872	1.872	2... H1-1b
11	M14	PIPE 2.0	.294	5.937	1	.095	5.381		37	21054.34	32130	1.872	1.872	2... H1-1b
12	M15	PL3/8X3	.051	0	38	.055	0	y	8	36078.278	36450	.284	2.279	1... H1-1b
13	M16	PIPE 1.25	.070	2.092	23	.010	4.185		12	12699.069	19687.5	.801	.801	1... H1-1b
14	M17	PL3/8X3	.072	0	44	.051	0	y	2	36078.278	36450	.284	2.279	1... H1-1b
15	M18	PIPE 1.25	.053	2.092	23	.046	4.185		1	12699.069	19687.5	.801	.801	1... H1-1b
16	M19	PL3/8X3	.038	0	36	.061	0	y	12	30936.41	36450	.284	2.279	1... H1-1b
17	M20	PL3/8X3	.054	.125	15	.055	.125	y	8	36078.278	36450	.284	2.279	1... H1-1b
18	M21	PL3/8X3	.071	.125	43	.051	.125	y	2	36078.278	36450	.284	2.279	1... H1-1b
19	M22	PIPE 1.25	.057	3.167	45	.019	3.167		2	15316.663	19687.5	.801	.801	1... H1-1b*
20	M23	PIPE 1.25	.101	3.167	45	.017	3.167		2	15316.663	19687.5	.801	.801	1... H1-1b*
21	M24	PIPE 2.0	.023	0	23	.009	0		12	29957.096	32130	1.872	1.872	1... H1-1b*
22	M25	PL3/8X3	.042	.5	9	.061	.5	y	12	30936.41	36450	.284	2.279	1... H1-1b
23	M26	PL3/8X3	.027	.125	23	.057	0	y	9	36078.278	36450	.284	2.279	1... H1-1b
24	M27	PIPE 1.25	.062	2.092	15	.009	4.185		5	12699.069	19687.5	.801	.801	1... H1-1b
25	M28	PL3/8X3	.046	0	27	.047	0	y	5	36078.278	36450	.284	2.279	1... H1-1b
26	M29	PIPE 1.25	.043	2.092	15	.038	0		1	12699.069	19687.5	.801	.801	1... H1-1b
27	M30	PL3/8X3	.038	0	2	.036	0	y	2	30936.41	36450	.284	2.279	1... H1-1b
28	M31	PL3/8X3	.037	.125	11	.057	.125	y	9	36078.278	36450	.284	2.279	1... H1-1b
29	M32	PL3/8X3	.045	.125	14	.047	.125	y	5	36078.278	36450	.284	2.279	1... H1-1b
30	M33	PIPE 1.25	.049	3.167	15	.019	3.167		9	15316.663	19687.5	.801	.801	1... H1-1b*
31	M34	PIPE 1.25	.083	3.167	15	.016	0		5	15316.663	19687.5	.801	.801	1... H1-1b*
32	M35	PIPE 2.0	.018	0	14	.006	0		2	29957.096	32130	1.872	1.872	1... H1-1b*
33	M36	PL3/8X3	.046	.5	5	.036	.5	y	2	30936.41	36450	.284	2.279	1... H1-1b
34	MP5A	PIPE 2.0	.132	2.25	2	.058	5.667		9	14916.096	32130	1.872	1.872	2... H1-1b
35	M46	PIPE 2.0	.099	4.39	5	.009	0		11	12751.488	32130	1.872	1.872	1... H1-1b
36	MP4A	PIPE 2.0	.221	5.667	3	.091	5.667		2	14916.096	32130	1.872	1.872	4... H1-1b
37	MP3A	PIPE 2.5	.226	2.667	1	.123	2.667		5	30038.461	50715	3.596	3.596	2... H1-1b
38	MP2A	PIPE 2.0	.222	5.667	35	.129	2.25		12	14916.096	32130	1.872	1.872	4... H1-1b
39	MP1A	PIPE 2.0	.176	2.25	12	.083	4.083		12	14916.096	32130	1.872	1.872	3... H1-1b
40	M52	L4X3X6	.000	.281	18	.000	.281	z	24	80199.017	80676	2.686	7.063	1... H2-1



## I. Mount-to-Tower Connection Check

### RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N65	90
N80	90



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):

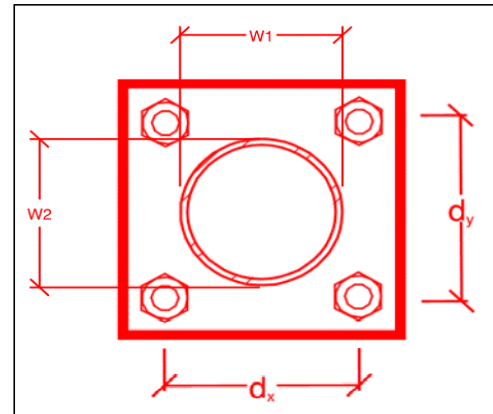
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
2
5
3.375
U-Bolt
0.5
6.2
1.8
16.3
9.8
19.0%*
9.1%



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



## Mount Desktop – Post Modification Inspection (PMI) Report Requirements

### Documents & Photos Required from Contractor – **Passing Mount Analysis**

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

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

#### **Base Requirements:**


















- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to <https://pmi.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 equipment modifications
  - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed
- **Photos taken at Mount Elevation**
  - Photos showing each individual sector before and also after installation of equipment.
    - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis



**Schedule A – Photo & Document File Structure**

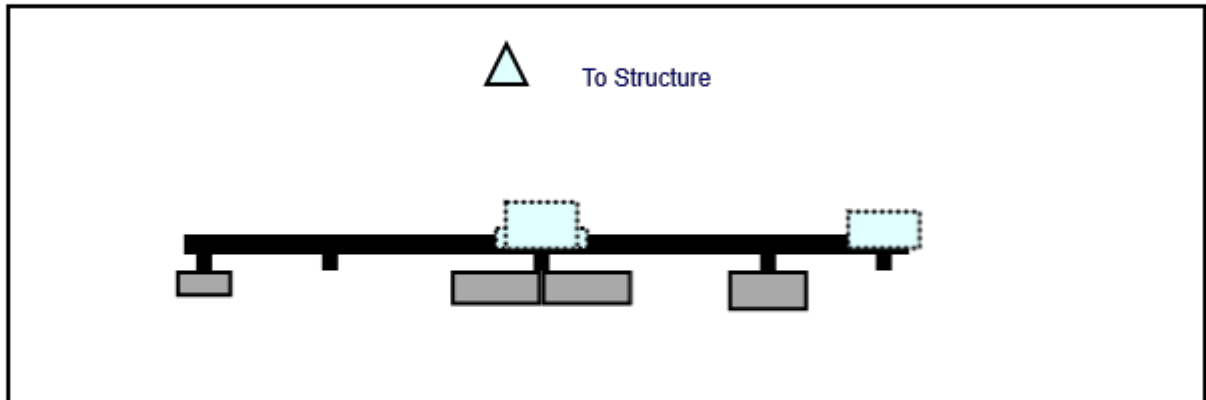
-  VzW Site Number / Name
  -  Base & “During Installation” Photos
  -  Pre-Installation Photos
    -  Alpha
    -  Beta
    -  Gamma
    -  Ground Level
    -  Tape Drop
  -  Post-Installation Photos
    -  Alpha
    -  Beta
    -  Gamma
    -  Ground Level
    -  Tape Drop
    -  Photos of climbing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

Sector: **A**  
 Structure Type: Self Support  
 Mount Elev: 148.00

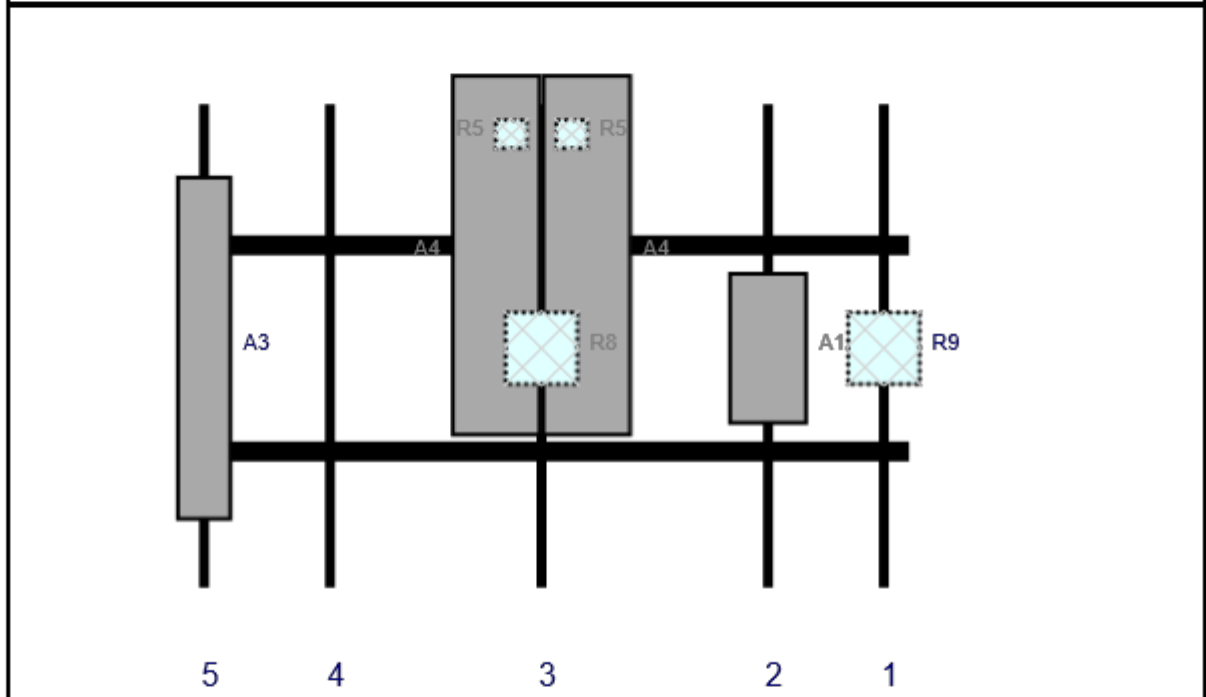
11/10/2020

Page: 1

Plan View



Front View  
Looking at Structure



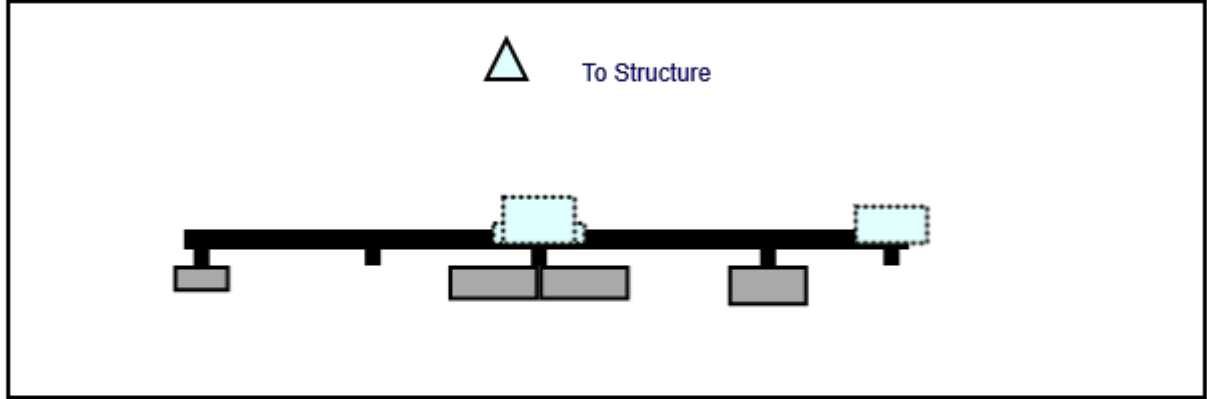
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R9	B5/B13 RRH-BR04C	15	15	139	1	a	Behind	48.48	0	Retained	10/24/2020
A1	nL-Sub6 Antenna	30.4	15.9	116	2	a	Front	48.48	0	Added	
A4	JAHH-45B-R3B	72	18	71	3	a	Front	30	9	Retained	10/24/2020
A4	JAHH-45B-R3B	72	18	71	3	b	Front	30	-9	Retained	10/24/2020
R5	CBC78T-DS-43-2X	6.4	6.9	71	3	a	Behind	6	6	Retained	10/24/2020
R5	CBC78T-DS-43-2X	6.4	6.9	71	3	b	Behind	6	-6	Retained	10/24/2020
R8	B2/B66A RRH-BR049	15	15	71	3	a	Behind	48.48	0	Retained	10/24/2020
A3	BXA-80063-6BF-EDIN	68.6	11.2	4	5	a	Front	48.48	0	Retained	10/24/2020

Sector: **B**  
 Structure Type: Self Support  
 Mount Elev: 148.00

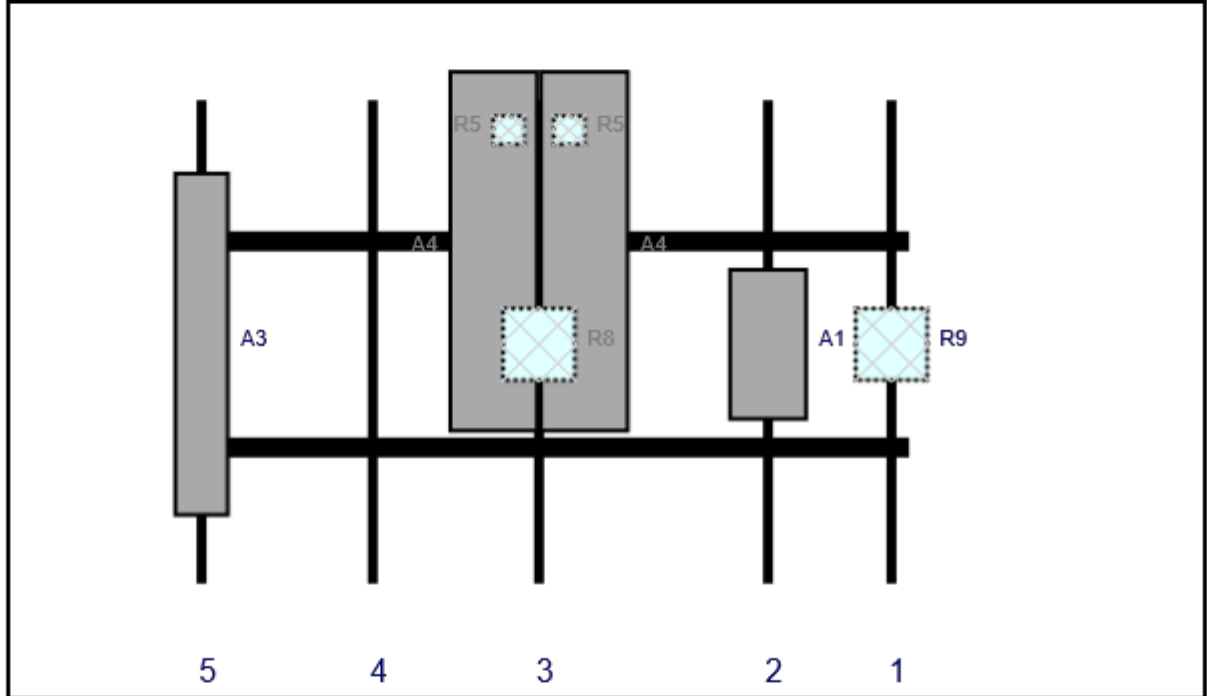
11/10/2020

Page: 2

Plan View



Front View  
Looking at Structure



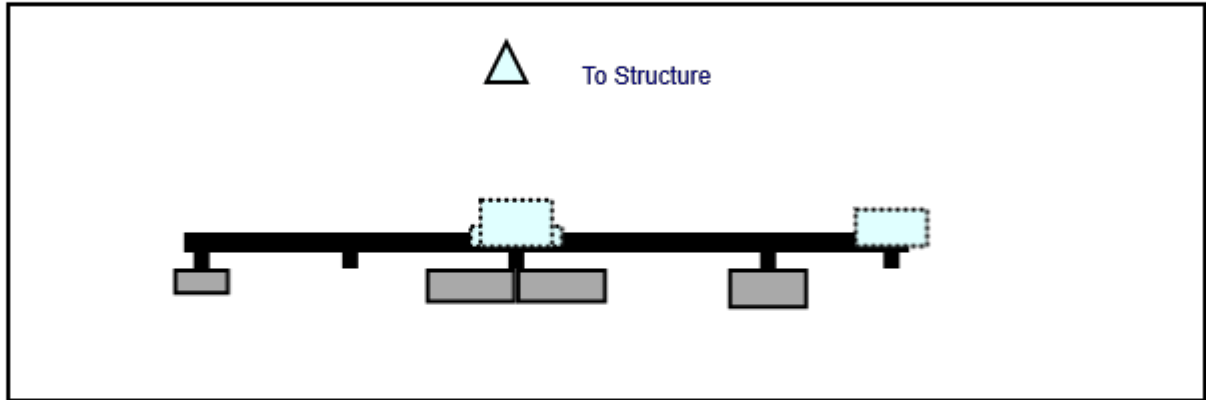
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R9	B5/B13 RRH-BR04C	15	15	140.5	1	a	Behind	48.48	0	Retained	10/24/2020
A1	nL-Sub6 Antenna	30.4	15.9	116	2	a	Front	48.48	0	Added	
A4	JAHH-45B-R3B	72	18	70.5	3	a	Front	30	9	Retained	10/24/2020
A4	JAHH-45B-R3B	72	18	70.5	3	b	Front	30	-9	Retained	10/24/2020
R5	CBC78T-DS-43-2X	6.4	6.9	70.5	3	a	Behind	6	6	Retained	10/24/2020
R5	CBC78T-DS-43-2X	6.4	6.9	70.5	3	b	Behind	6	-6	Retained	10/24/2020
R8	B2/B66A RRH-BR049	15	15	70.5	3	a	Behind	48.48	0	Retained	10/24/2020
A3	BXA-80063-6BF-EDIN	68.6	11.2	3.5	5	a	Front	48.48	0	Retained	10/24/2020

Sector: **C**  
 Structure Type: Self Support  
 Mount Elev: 148.00

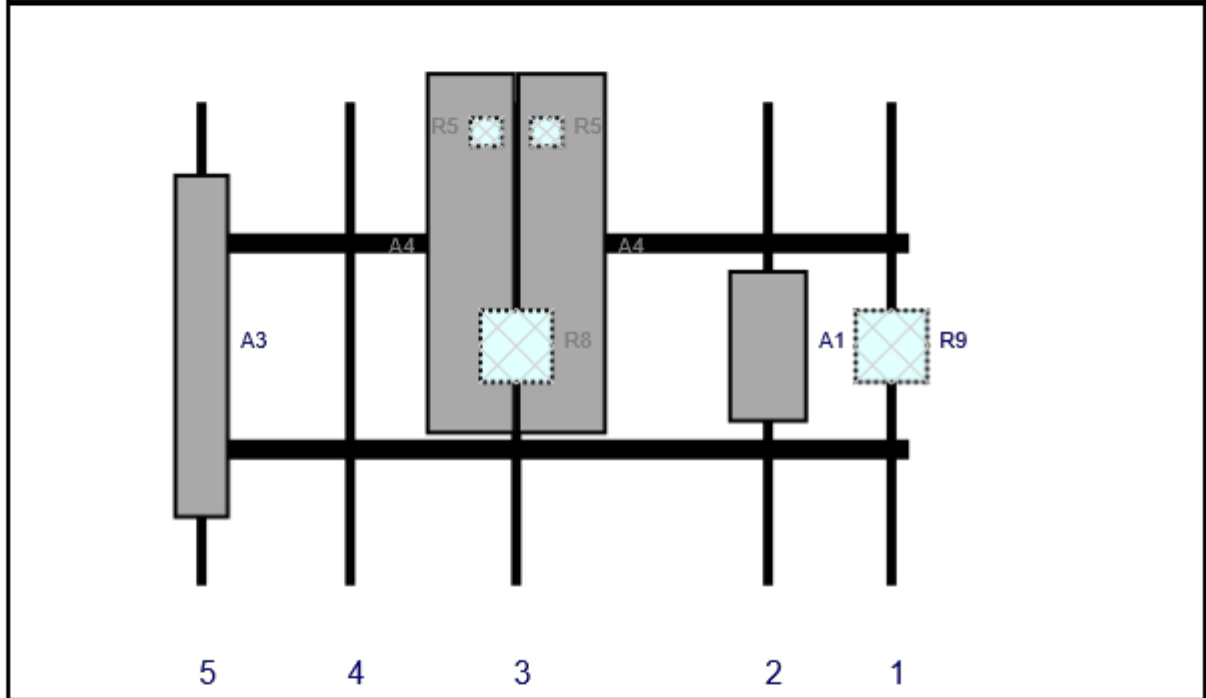
11/10/2020

Page: 3

Plan View



Front View  
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R9	B5/B13 RRH-BR04C	15	15	140.5	1	a	Behind	48.48	0	Retained	10/24/2020
A1	nL-Sub6 Antenna	30.4	15.9	116	2	a	Front	48.48	0	Added	
A4	JAHH-45B-R3B	72	18	66	3	a	Front	30	9	Retained	10/24/2020
A4	JAHH-45B-R3B	72	18	66	3	b	Front	30	-9	Retained	10/24/2020
R5	CBC78T-DS-43-2X	6.4	6.9	66	3	a	Behind	6	6	Retained	10/24/2020
R5	CBC78T-DS-43-2X	6.4	6.9	66	3	b	Behind	6	-6	Retained	10/24/2020
R8	B2/B66A RRH-BR049	15	15	66	3	a	Behind	48.48	0	Retained	10/24/2020
A3	BXA-80063-6BF-EDIN	68.6	11.2	3.5	5	a	Front	48.48	0	Retained	10/24/2020

**Subject**

TIA-222-H Adoption and Wind Speed Usage

**Site Information**

Site ID: 468096-VZW / West Haven CT  
Site Name: West Haven CT  
Carrier Name: Verizon Wireless  
Address: 24 Rockdale Road  
West Haven, Connecticut 06516  
Middlesex County  
Latitude: 41.291205°  
Longitude: -72.967881°

**Structure Information**

Tower Type: Self Support  
Mount Type: 12.00-Ft Sector Frame

To Whom It May Concern,

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

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

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

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

Sincerely,



Dejian Xu, PE  
Technical Specialist

March 29, 2021

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

**Re:** Verizon Wireless antenna Model Clarification for CT Siting Council

Dear Mr. Leone,

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

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

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

Very truly yours,  
MASER CONSULTING CONNECTICUT



Petros I. Ioukalis  
Connecticut Professional Engineer  
License Number: 32577



# Attachment 5

# City of West Haven, Connecticut - Assessment Parcel Map

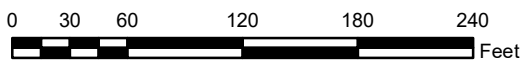
Parcel: 059-0120-0-0000 Address: 24 ROCKDALE RD



N



Approximate Scale: 1 inch = 100 feet



Map Produced: April 2021

Disclaimer: This map is for informational purposes only. All information is subject to verification by any user. The City of West Haven and its mapping contractors assume no legal responsibility for the information contained herein.



# City of West Haven, CT

## Property Listing Report

Map Block Lot

059-0120-0-0000

Building # 1

Section # 1

Account

00007905

### Property Information

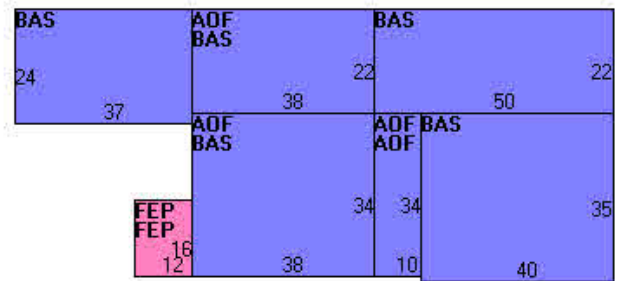
Property Location	24 ROCKDALE RD
Owner	KNAPP ANDREW W & KNAPP ROBERT C & RADIO
Co-Owner	COMMUNICATIONS CORPORATION & SV
Mailing Address	24 ROCKDALE RD WEST HAVEN CT 06516
Land Use	3320 SVC SHOP MDL-94
Land Class	C
Zoning Code	R2
Census Tract	

Street Index	C400
Acreage	0.21
Utilities	Public Water,Public Sewer
Lot Setting/Desc	
Additional Info	

### Photo



### Sketch



### Primary Construction Details

Year Built	1959
Stories	2
Building Style	Light Industrial
Building Use	Ind/Comm
Building Condition	G
Occupancy	1.00
Extra Fixtures	0
Bath Style	NA
Kitchen Style	NA
AC Type	01
Heating Type	Forced Air-Duc
Heating Fuel	Gas

Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Total Rooms	
Roof Style	Flat
Roof Cover	T&G/Rubber
Interior Floors 1	Concr-Finished
Interior Floors 2	Vinyl/Asphalt
Exterior Walls	Concr/Cinder
Exterior Walls 2	Brick/Masonry
Interior Walls	Minim/Masonry
Interior Walls 2	Drywall/Sheet

(\*Industrial / Commercial Details)

Building Desc.	SVC SHOP MDL-94
Building Grade	Average +10
Heat / AC	HEAT/AC SPLIT
Frame Type	MASONRY
Baths / Plumbing	AVERAGE
Ceiling / Wall	SUS-CEIL & WL
Rooms / Prtns	AVERAGE
Wall Height	12.00
First Floor Use	3320



# Attachment 6



# Certificate of Mailing — Firm

Name and Address of Sender

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

TOTAL NO.  
of Pieces Listed by Sender

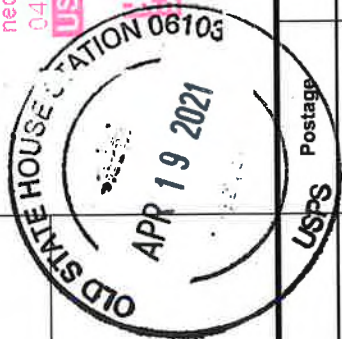
TOTAL NO.  
of Pieces Received at Post Office™

Affix Stamp Here  
Postmark with Date of Receipt.

3

Postmaster, per (name of receiving employee)

neopost  
04/19/2021  
US POSTAGE \$002.89  
ZIP 06103  
041L12203937



USPS® Tracking Number  
Firm-specific Identifier

Address  
(Name, Street, City, State, and ZIP Code™)

Nancy R. Rossi, Mayor  
City of West Haven  
355 Main Street  
West Haven, CT 06516

Fred Messoro, Comm. Plan. & Dev.  
City of West Haven  
356 Main Street  
West Haven, CT 06516

Radio Comm. Corporation  
Attn.: Bob Knapp  
West Haven, CT 06516

Parcel Airlift

Special Handling

Fee

Postage

1.

2.

3.

4.

5.

6.