



John Coleman, Project Manager
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (240) 615 -7389
JColeman@clinellc.com

October 20, 2021

Melanie A. Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

**RE: Notice of Exempt Modification // Site: N. STONINGTON (ATC: 207945)
118B WINTECHOG HILL ROAD, NORTH STONINGTON, CT 06359
N 41.46080043 // W -71.92893309**

Dear Ms. Bachman,

Cellco Partnership d/b/a Verizon Wireless currently maintains twelve (12) antenna at the 184-ft level on the existing 350ft Guyed tower, located at 118B Wintechog Hill Road, N. Stonington, CT. The tower is owned by American Tower. The property is also owned by American Tower. The Council approved Verizon Wireless use of the existing tower in 1988. Verizon Wireless now intends to remove three (3) antenna, six (6) RRH's and install three (3) new antenna for the LTE (3700 MHz) replacements for its 5G upgrade. Additionally, Verizon Wireless intends to install six (6) new Remote Radio Heads (RRHs); altogether updating leased equipment rights, as reflected by the final configuration outlined in the structural analysis and proposed hereby).

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §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 Michael A. Urgo, First Selectman, its Building Official, Timothy Brennan, American Tower, the tower owner, and the property owner, American Tower.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2). Enclosed to accommodate this filing are construction drawings dated September 27, 2021, by Dewberry Engineers Inc, a structural analysis dated August 30, 2021, by Tower Engineering Professionals, and a structural mount analysis by Maser Consulting Connecticut date August 23, 2021, and radio frequency (RF) analysis table showing worst-case RF emission calculation by Verizon Wireless RF Design Engineering.

1. The proposed modifications will not result in an increase in the height of the existing structure.
2. The proposed modifications 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 operation of the new antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis by Tower Engineering Professionals, dated August 30, 2021, and a structural mount analysis by Maser Consulting Connecticut, dated August 23, 2021, pursuant to certain conditions defined therein. Design and engineering are fully illustrated within final construction drawings, signed and stamped dated September 27, 2021.

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

Sincerely,

John Coleman

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Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (240) 615 -7389
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Attachments

cc: Michael A. Urgo – First Selectman – Chief Elected Official
Timothy Brennan, Building Official - as P&Z official
American Tower Corporation - as tower owner
American Tower Corporation – as ground owner

UPS CampusShip: View/Print Label

- 1. Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
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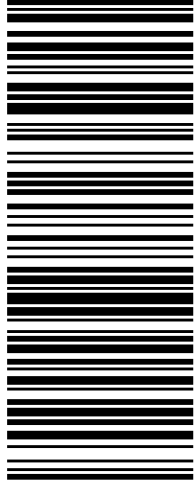

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<p>JOHN COLEMAN 2406157389 CENTERLINE COMMUNICATIONS, LLC 750 WEST CENTER STREET WEST BRIDGEWATER MA 02379</p> <p>SHIP TO: TIMOTHY BRENNAN MICHAEL A. URGO 40 MAIN STREET NORTH STONINGTON CT 06359-1612</p>	<p>1 LBS</p> <p style="text-align: right;">1 OF 1</p>	<p>CT 063 0-02</p> 	<p>UPS GROUND</p> <p>TRACKING #: 1Z 9Y4 503 03 3066 9352</p> 	<p>BILLING: P/P</p> <p>Reference # 1: 207945 Reference # 2: N. Stonington CS2218</p> <p style="font-size: small;">W/NTNV50 43.0A 10/2021*</p> 
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From: [UPS](#)
To: [John Coleman](#)
Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030330669352
Date: Friday, October 22, 2021 10:43:58 AM



Hello, your package has been delivered.

Delivery Date: Friday, 10/22/2021

Delivery Time: 10:41 AM

Left At: OFFICE

Signed by: PANCARO

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030330669352
Ship To:	MICHAEL A. URGO 40 MAIN STREET NORTH STONINGTON, CT 063591612 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	0.5 LBS
Reference Number:	207945
Reference Number:	N. STONINGTON



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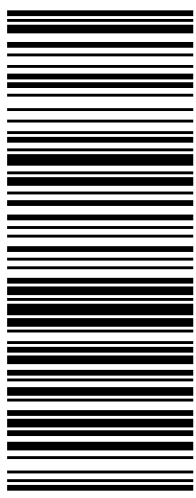

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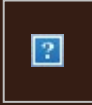
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<p>JOHN COLEMAN 2406157389 CENTERLINE COMMUNICATIONS, LLC 750 WEST CENTER STREET WEST BRIDGEWATER MA 02379</p> <p>SHIP TO: STORER COMM OF GROTON INC 32ND FLOOR ONE COMCAST CENTER PHILADELPHIA PA 19103-2855</p>	<p>1 OF 1</p> <p>1 LBS</p>	<p>PA 191 9-10</p> 	<p>UPS GROUND</p> <p>TRACKING #: 1Z 9Y4 503 03 2084 3968</p> 
<p>BILLING: P/P</p>		<p>Reference # 1: 207945 Reference # 2: N. Stonington CS2218 W/NTNV50 43.0A 10/2021*</p> 	

From: [UPS](#)
To: [John Coleman](#)
Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030320843968
Date: Monday, October 25, 2021 10:10:45 AM



Hello, your package has been delivered.

Delivery Date: Monday, 10/25/2021

Delivery Time: 10:09 AM

Left At: MAIL ROOM

Signed by: FD

CENTERLINE SITE ACQUISITION

Tracking Number: [1Z9Y45030320843968](#)

Ship To: STORER COMM OF GROTON INC
ONE COMCAST CENTER
32ND FLOOR
PHILADELPHIA, PA 191032855
US

Number of Packages: 1

UPS Service: UPS Ground

Package Weight: 0.5 LBS

Reference Number: 207945

Reference Number: N. STONINGTON



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DOCKET NO. 91A - SNET Cellular, Inc.,
Amended Certificate of Environmental
Compatibility and Public Need for
cellular telephone antennas and
associated equipment in the Town
of North Stonington, Connecticut.

Connecticut

Siting

Council

April 30, 1990

DECISION AND ORDER

Pursuant to the foregoing Findings of Fact, Opinion, and record in Docket No. 91, the Connecticut Siting Council hereby directs that an amended Certificate of Environmental Compatibility and Public Need as provided by Section 16-501 of the General Statutes of Connecticut (CGS) be issued to SNET Cellular, Inc., for the construction, operation, and maintenance of a cellular telephone facility and associated equipment off of Wintechog Hill Road in the Town of North Stonington, Connecticut.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in Docket No. 91, with changes as specified in this amendment.

The Certificate Holder shall abide by all of the conditions issued by the Council in its Decision and Order for Docket No. 91, dated March 22, 1988.

Pursuant to CGS Section 16-50p, we hereby direct that a copy of this Decision and Order be served on each person listed below, and that a notice of issuance shall be published in the New London Day.

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

The Parties to this proceeding are:

SNET Cellular, Inc.
555 Long Wharf Drive
New Haven, CT 06511

(Applicant)

Peter J. Tyrrell
Senior Attorney
227 Church Street
New Haven, CT 06510

(Its Attorney)


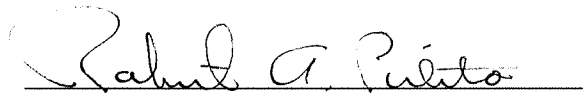

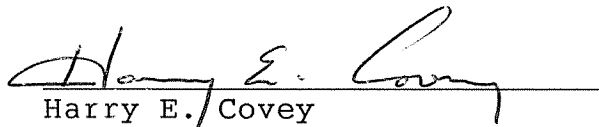

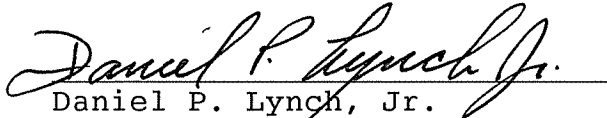

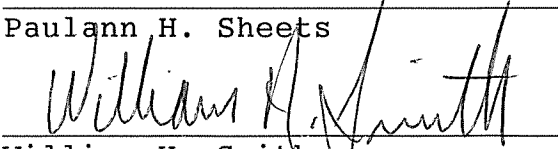

RKE/bd

4339E

CERTIFICATION

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case in Docket No. 91A - SNET Cellular, Inc., Amended Certificate for Environmental Compatibility and Public Need for cellular telephone antennas and associated equipment in the Town of North Stonington, Connecticut or read the record thereof, and that we voted as follows:

Dated at New Britain, Connecticut the 30th day of April, 1990.

<u>Council Members</u>	<u>Vote Cast</u>
 Gloria Dibble Pond Chairperson	Yes
 Commissioner Peter Boucher Designee: Robert A. Pulito	Yes
 Commissioner Leslie Carothers Designee: Brian Emerick	Yes
 Harry E. Covey	Abstain
 Mortimer A. Gelston	Yes
 Daniel P. Lynch, Jr.	Yes
 Paulann H. Sheets	Yes
 William H. Smith	Yes
 Colin C. Tait	Yes



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

Replacement Antenna Mount Analysis Report and PMI Requirements

Mount Analysis-R

SMART Tool Project #: 10037886
Maser Consulting Connecticut Project #: 21777026A

August 23, 2021

Site Information

Site ID: 468207-VZW / N STONINGTON CT
Site Name: N STONINGTON CT
Carrier Name: Verizon Wireless
Address: 118B Wintechog Hill Rd.
North Stonington, Connecticut 06359
New London County
Latitude: 41.460833°
Longitude: -71.928889°

Structure Information

Tower Type: 350-Ft Guyed
Mount Type: 12.50-Ft Sector Frame

FUZE ID # 16271981

Analysis Results

Sector Frame: 39.6% Pass

***Contractor PMI Requirements:

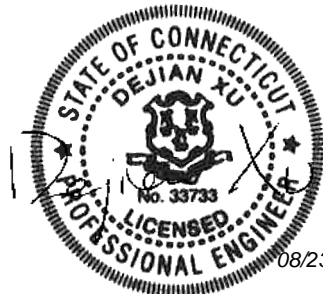
Included at the end of this MA report

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

Contractor - Please Review Specific Site PMI Requirements Upon Award

Requirements may also be Noted on A & E drawings

Report Prepared By: Dave Boddie



08/23/2021

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:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS Site ID: 324432, dated August 17, 2021
Mount Assembly Drawings	Site Pro 1, Drawing #: VFA12-HD

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 127 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 : 0.985
Seismic Parameters:	S_s : 0.188 S_1 : 0.053
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
184.00	184.00	3	Samsung	MT6407-77A	Added
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		6	Andrew	SBNHH-1D65A	Retained
		2	Amphenol	BXA-80080-4CF-EDIN	
		1	Amphenol	BXA-80063-6CF	
		1	Raycap	RCMDC-6627-PF-48*	

* Equipment to be flush mounted directly to the Guyed Tower. They are not mounted on Sector Frame 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 mounts.

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

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

Standard Conditions:

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - o Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - o HSS (Rectangular) ASTM 500 (Gr. B-46)
 - o Pipe ASTM A53 (Gr. B-35)
 - o Threaded Rod F1554 (Gr. 36)
 - o Bolts ASTM A325

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

Analysis Results:

Component	Utilization %	Pass/Fail
Horizontal mount pipe	26.0%	Pass
Standoff Plate	39.0%	Pass
Standoff Horizontal	24.3%	Pass
Standoff Diagonal	7.7%	Pass
Antenna Pipe	39.6%	Pass
Standoff Vertical	7.7%	Pass
Tieback	6.6%	Pass
Tower Connection	10.0%	Pass

Structure Rating – (Controlling Utilization of all Components)	39.6%
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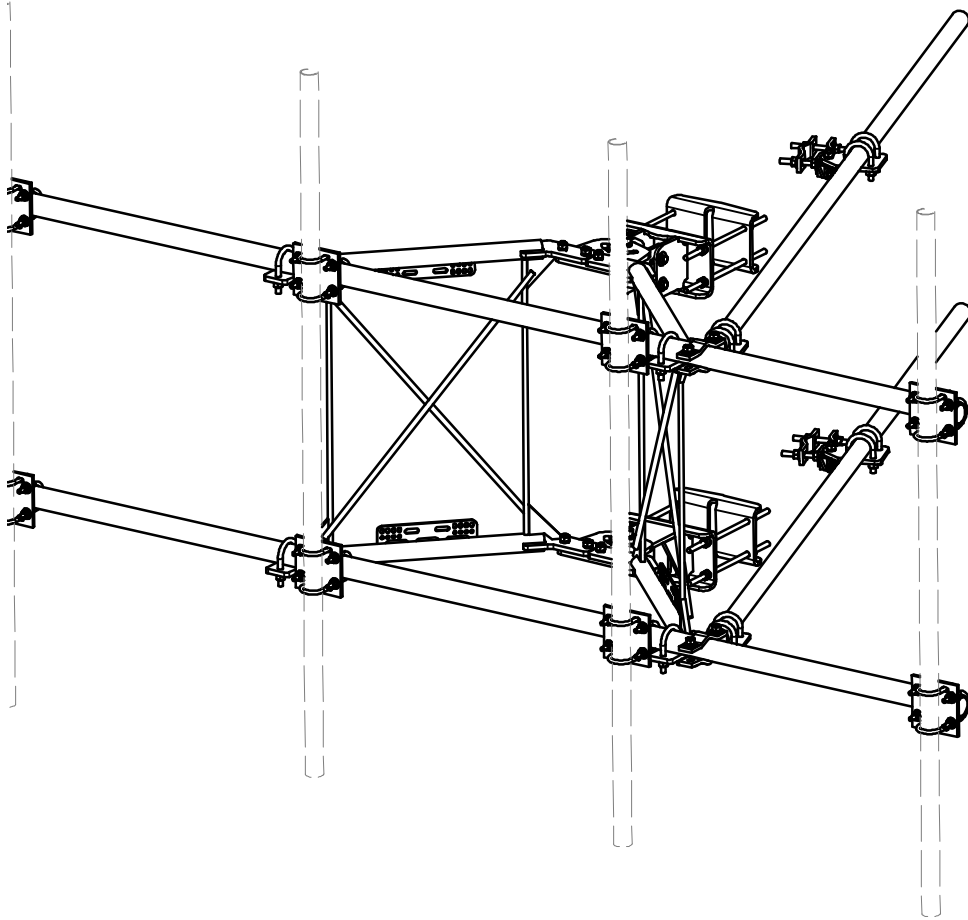
Recommendation:

The proposed 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 Assembly Drawings
2. Analysis Calculations
3. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
4. Antenna Placement Diagrams
5. TIA Adoption and Wind Speed Usage Letter



PARTS LIST

ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	X-VFAW	SUPPORT ARM		71.41	142.81
2	1	X-HDCAMTBW	CLAMP WELDMENT FOR BCAM-HD		33.86	33.86
3	1	X-MHTPHD	MULTI-HOLE TAPER PLATE WELDMENT		36.24	36.24
4	2	X-VFAPL4	VFA-HD PIVOT PLATE	12 in	15.88	31.77
5	2	X-LCBP4	BENT BACKING PLATE	13 in	19.00	38.01
6	1	X-HDCAMSS	ANGLE ADJUSTMENT WELDMENT FOR BCAM-HD		16.39	16.39
7	4	X-SPTB	SLIDING PIPE TIE BACK PLATE	5 1/2 in	5.87	23.49
8	1	X-HDCAMSP	POSITIONING PLATE WELDMENT FOR BCAM-HD		2.58	2.58
9	4	X-TBCA	TIE BACK CLIP ANGLE		2.01	8.02
10	8	SCX2	CROSSOVER PLATE	7 in	4.80	38.37
11	4	MCP	CLAMP HALF 1/2" THICK, 11-5/8" LONG	12 1/16 in	3.59	14.37
12	8	DCP	1/2" THICK, 5-3/4" CNTER TO CENTER CLAMP HALF	8 1/8 in	2.36	18.90
13	2	P2126	2-3/8" X 126" (2" SCH. 40) GALVANIZED PIPE	126 in	40.75	81.50
14	2	P30150	2-7/8" X 150" (2-1/2" SCH. 40) GALVANIZED PIPE	150 in	76.94	153.87
15	4	A34212	3/4" x 2-1/2" UNC HEX BOLT (A325)	2 1/2 in	0.48	1.92
16	4	G34FW	3/4" HDG USS FLATWASHER		0.06	0.24
17	4	G34LW	3/4" HDG LOCKWASHER		0.04	0.17
18	4	G34NUT	3/4" HDG HEAVY 2H HEX NUT		0.21	0.85
19	8	G58R-18	5/8" x 18" THREADED ROD (HDG.)	18 in	0.40	3.19
20	4	G58R-12	5/8" x 12" THREADED ROD (HDG.)		1.05	4.18
21	4	G58R-8	5/8" x 8" THREADED ROD (HDG.)		0.70	2.79
22	4	X-UB5300	5/8" X 3" X 5-1/4" X 2-1/2" U-BOLT (HDG.)		1.15	4.60
23	8	X-UB5258	5/8" X 2-5/8" X 4-1/2" X 2" U-BOLT (HDG.)		1.00	8.00
24	2	G5807	5/8" x 7" HDG HEX BOLT GR5 FULL THREAD	7 in	0.70	1.41
25	1	G5806	5/8" x 6" HDG HEX BOLT GR5 FULL THREAD	6 in	0.62	0.62
26	8	G5804	5/8" x 4" HDG HEX BOLT GR5		0.44	3.55
27	4	G5802	5/8" x 2" HDG HEX BOLT GR5		0.27	1.08
28	8	A582114	5/8" x 2-1/4" HDG A325 HEX BOLT	2 1/4 in	0.31	2.50
29	25	G58FW	5/8" HDG USS FLATWASHER	1/8 in	0.07	1.76
30	66	G58LW	5/8" HDG LOCKWASHER		0.03	1.72
31	71	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	9.22
32	32	X-UB1300	1/2" X 3" X 5" X 2" GALV U-BOLT		0.74	23.64
33	16	X-UB1212	1/2" X 2" X 3" X 1-1/4" U-BOLT (HDG.)		0.60	9.56
34	64	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	2.18
35	64	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.89
36	64	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	4.58
					TOTAL WT. #	738.06

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
D	UPDATED BCAM VERSION 1 TO BCAM VERSION 2		CEK	6/29/2018
C	UPDATED PIN LEG CONNECTION TO B-CAM CONNECTION		CEK	12/7/2017
B	CHANGED TIE-BACK BACK CONNECTION		CEK	7/31/2017
A	CHANGED TIE-BACK FRONT CONNECTION		CEK	2/2/2017
REVISION HISTORY				

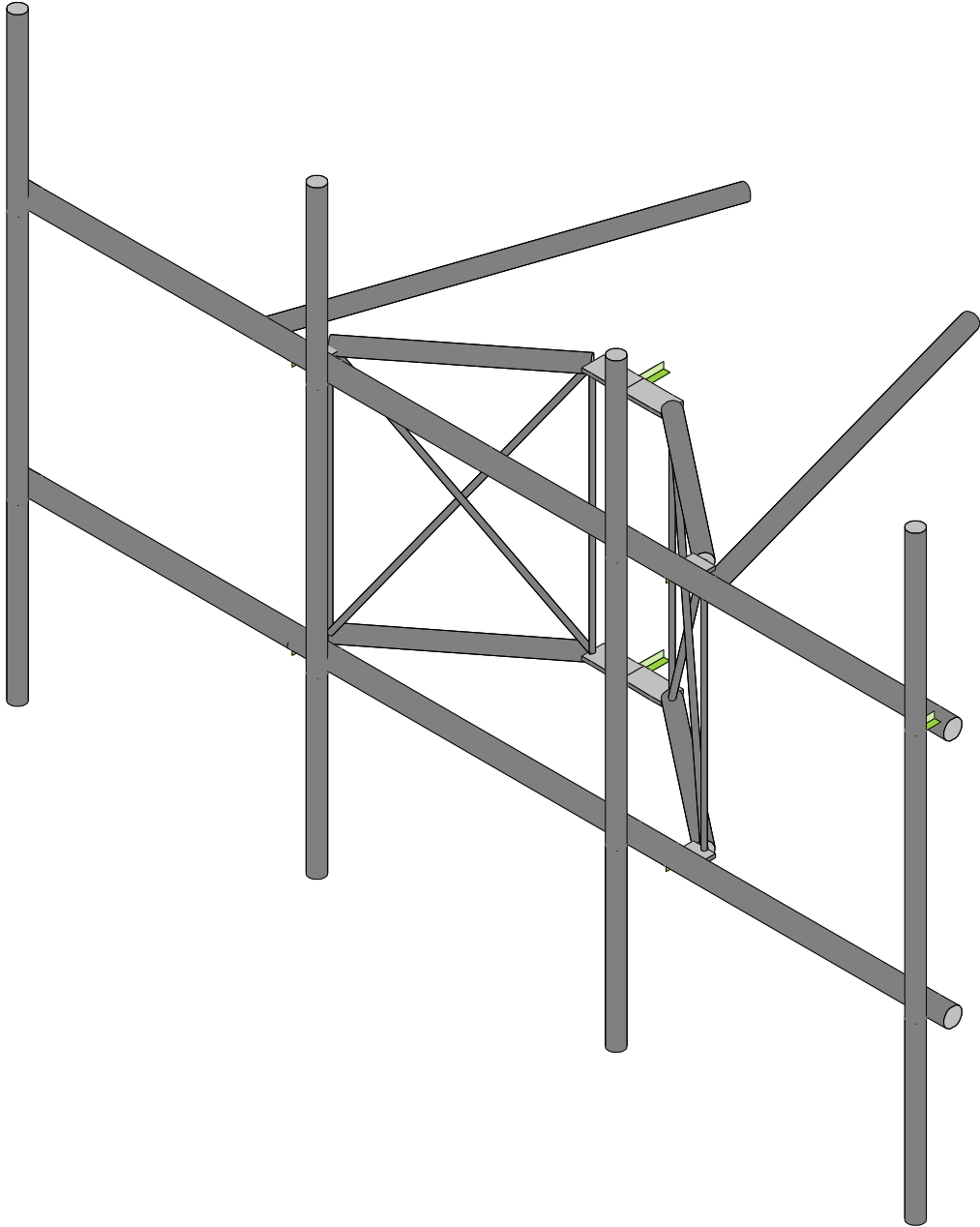
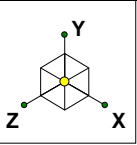
TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
 SAWED, SHEARED AND GAS CUT EDGES ($\pm 0.030"$)
 DRILLED AND GAS CUT HOLES ($\pm 0.030"$) - NO CONING OF HOLES
 LASER CUT EDGES AND HOLES ($\pm 0.010"$) - NO CONING OF HOLES
 BENDS ARE $\pm 1/2$ DEGREE
 ALL OTHER MACHINING ($\pm 0.030"$)
 ALL OTHER ASSEMBLY ($\pm 0.080"$)

PROPRIETARY NOTE:
 THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

DESCRIPTION			
12' 6" HEAVY DUTY V-FRAME ASSEMBLY WITH TWO STIFF ARMS			
CPD NO.	DRAWN BY	ENG. APPROVAL	
	CEK	1/25/2017	
CLASS	SUB	DRAWING USAGE	CHECKED BY
81	02	CUSTOMER	BMC 12/13/2017

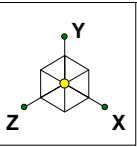
	Engineering Support Team: 1-888-753-7446	Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX
	A valmont COMPANY	
PART NO.		VFA12-HD
DWG. NO.		VFA12-HD



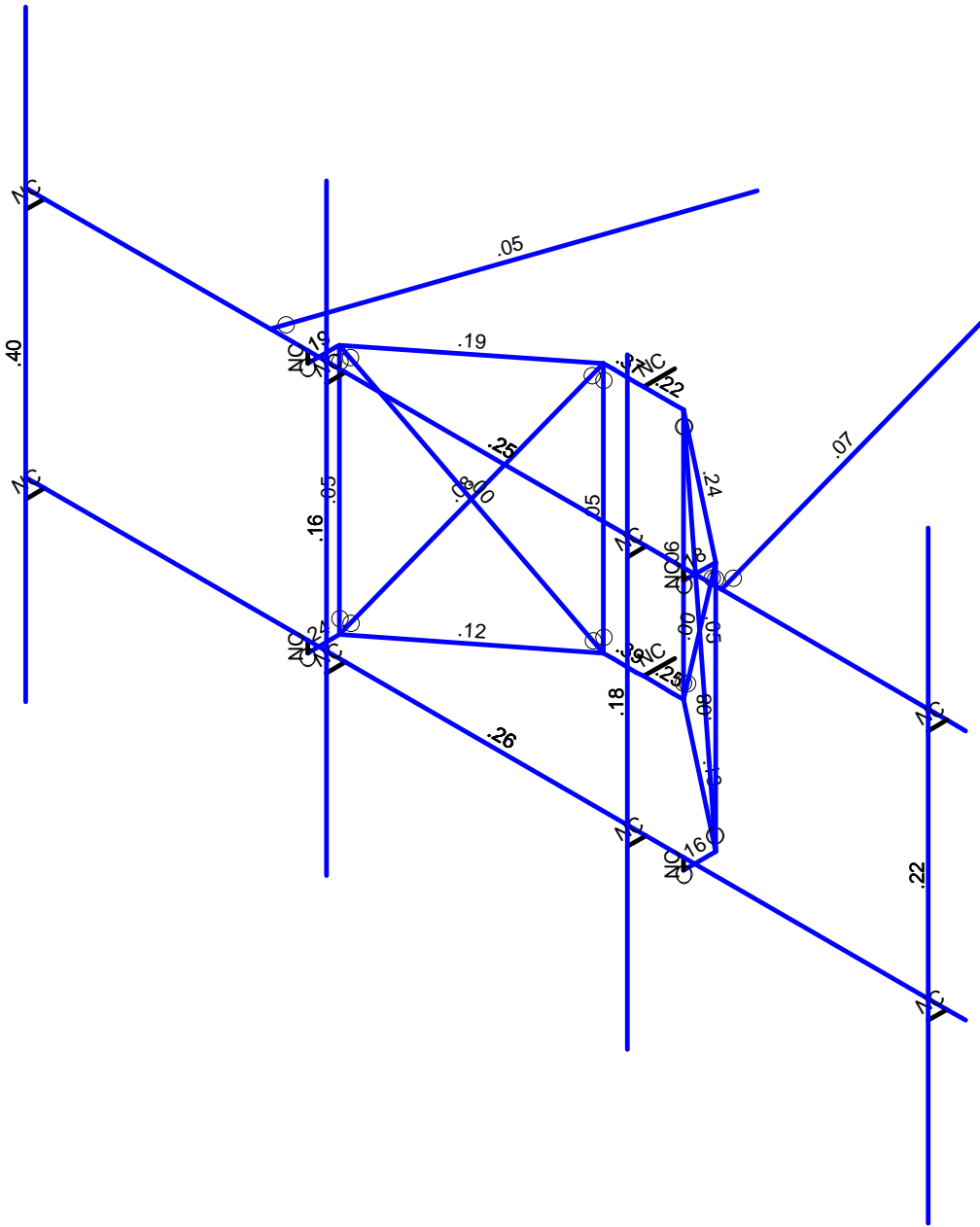
Maser Consulting
DAB
Project No. 21777026A

468207_VZW_MT_LOT_A_H

SK - 1
Aug 19, 2021 at 3:17 PM
468207-VZW_MT_LOT_A_H.r3d



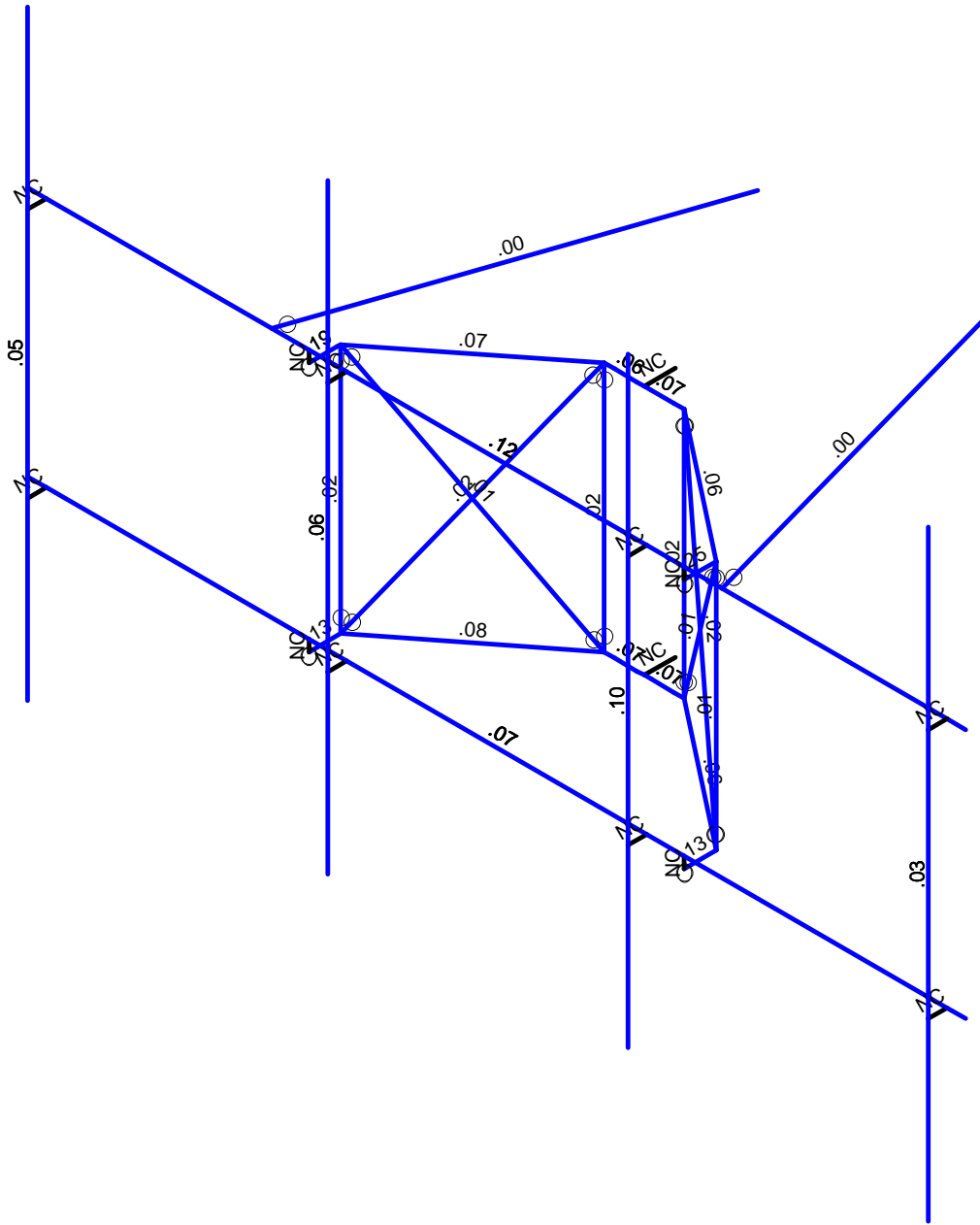
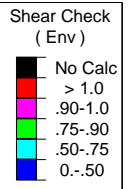
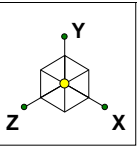
Code Check (Env)	
Black	No Calc
Red	> 1.0
Magenta	.90-1.0
Green	.75-.90
Cyan	.50-.75
Blue	0-.50



Maser Consulting
DAB
Project No. 21777026A

468207-VZW_MT_LOT_A_R

SK - 2
Aug 23, 2021 at 4:14 PM
468207-VZW_MT_LOT_A_H 39.6...



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DAB
Project No. 21777026A

468207-VZW_MT_LOT_A_R

SK - 3
Aug 23, 2021 at 4:15 PM
468207-VZW_MT_LOT_A_H 39.6...



Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotat...	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N1			Horizontal mount pipe	Beam	Pipe	Q235	Typical
2	M2	N4	N3			Horizontal mount pipe	Beam	Pipe	Q235	Typical
3	M3	N5	N13			RIGID	None	None	RIGID	Typical
4	M4	N6	N14			RIGID	None	None	RIGID	Typical
5	M5	N8	N16			RIGID	None	None	RIGID	Typical
6	M6	N7	N15			RIGID	None	None	RIGID	Typical
7	M9	N10	N18			RIGID	None	None	RIGID	Typical
8	M10	N9	N17			RIGID	None	None	RIGID	Typical
9	M11	N12	N20			RIGID	None	None	RIGID	Typical
10	M12	N11	N19			RIGID	None	None	RIGID	Typical
11	M13	N22	N26		90	Standoff Plate	Beam	BAR	Q235	Typical
12	M14	N21	N25		90	Standoff Plate	Beam	BAR	Q235	Typical
13	M15	N23	N27		90	Standoff Plate	Beam	BAR	Q235	Typical
14	M16	N24	N28		90	Standoff Plate	Beam	BAR	Q235	Typical
15	M17	N26	N32			Standoff Horizontal	Beam	Pipe	Q235	Typical
16	M18	N25	N31			Standoff Horizontal	Beam	Pipe	Q235	Typical
17	M19	N27	N33			Standoff Horizontal	Beam	Pipe	Q235	Typical
18	M20	N28	N34			Standoff Horizontal	Beam	Pipe	Q235	Typical
19	M21	N32	N30		90	Standoff Plate	Beam	BAR	Q235	Typical
20	M22	N34	N30		90	Standoff Plate	Beam	BAR	Q235	Typical
21	M23	N31	N29		90	Standoff Plate	Beam	BAR	Q235	Typical
22	M24	N33	N29		90	Standoff Plate	Beam	BAR	Q235	Typical
23	M25	N31	N26			Standoff Diagonal	Beam	BAR	Q235	Typical
24	M26	N32	N25			Standoff Diagonal	Beam	BAR	Q235	Typical
25	M27	N33	N28			Standoff Diagonal	Beam	BAR	Q235	Typical
26	M28	N27	N34			Standoff Diagonal	Beam	BAR	Q235	Typical
27	M29	N29	N35			RIGID	None	None	RIGID	Typical
28	M30	N30	N36			RIGID	None	None	RIGID	Typical
29	MP4A	N39	N43			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
30	MP3A	N40	N44			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
31	MP2A	N41	N45			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
32	MP1A	N42	N46			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
33	M44	N25	N26			Standoff Vertical	Beam	BAR	Q235	Typical
34	M45	N31	N32			Standoff Vertical	Beam	BAR	Q235	Typical
35	M46	N33	N34			Standoff Vertical	Beam	BAR	Q235	Typical
36	M47	N27	N28			Standoff Vertical	Beam	BAR	Q235	Typical
37	M47B	N22	N60			RIGID	None	None	RIGID	Typical
38	M48A	N21	N59			RIGID	None	None	RIGID	Typical
39	M49A	N24	N62			RIGID	None	None	RIGID	Typical
40	M50A	N23	N61			RIGID	None	None	RIGID	Typical
41	M51A	N30	N36			RIGID	None	None	RIGID	Typical
42	M52A	N29	N35			RIGID	None	None	RIGID	Typical
43	M43	N59A	N64			Tieback	Beam	Pipe	Q235	Typical
44	M44A	N60A	N63			Tieback	Beam	Pipe	Q235	Typical

Joint Loads and Enforced Displacements

Joint Label	L,D,M	Direction	Magnitude(lb,k-ft), (in,rad), (lb*s^2/...
No Data to Print ...			

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-5.894	-5.894	0	%100
2	M2	Y	-5.894	-5.894	0	%100
3	M13	Y	-6.881	-6.881	0	%100
4	M14	Y	-6.881	-6.881	0	%100
5	M15	Y	-6.881	-6.881	0	%100
6	M16	Y	-6.881	-6.881	0	%100
7	M17	Y	-5.168	-5.168	0	%100
8	M18	Y	-5.168	-5.168	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	M19	Y	-5.168	-5.168	0	%100
10	M20	Y	-5.168	-5.168	0	%100
11	M21	Y	-6.881	-6.881	0	%100
12	M22	Y	-6.881	-6.881	0	%100
13	M23	Y	-6.881	-6.881	0	%100
14	M24	Y	-6.881	-6.881	0	%100
15	M25	Y	-2.811	-2.811	0	%100
16	M26	Y	-2.811	-2.811	0	%100
17	M27	Y	-2.811	-2.811	0	%100
18	M28	Y	-2.811	-2.811	0	%100
19	MP4A	Y	-5.168	-5.168	0	%100
20	MP3A	Y	-5.168	-5.168	0	%100
21	MP2A	Y	-5.168	-5.168	0	%100
22	MP1A	Y	-5.168	-5.168	0	%100
23	M44	Y	-2.63	-2.63	0	%100
24	M45	Y	-2.63	-2.63	0	%100
25	M46	Y	-2.63	-2.63	0	%100
26	M47	Y	-2.63	-2.63	0	%100
27	M43	Y	-5.168	-5.168	0	%100
28	M44A	Y	-5.168	-5.168	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-14.379	-14.379	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-14.379	-14.379	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	-5.677	-5.677	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-5.677	-5.677	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-5.677	-5.677	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-5.677	-5.677	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-3.126	-3.126	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-3.126	-3.126	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-3.126	-3.126	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-3.126	-3.126	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-3.238	-3.238	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-3.238	-3.238	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-3.238	-3.238	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-3.238	-3.238	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-11.878	-11.878	0	%100
39	MP3A	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	MP3A	Z	-11.878	-11.878	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-11.878	-11.878	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-11.878	-11.878	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	-3.126	-3.126	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-3.126	-3.126	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	-3.126	-3.126	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-3.126	-3.126	0	%100
53	M43	X	0	0	0	%100
54	M43	Z	-997	-997	0	%100
55	M44A	X	0	0	0	%100
56	M44A	Z	-997	-997	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.392	5.392	0	%100
2	M1	Z	-9.339	-9.339	0	%100
3	M2	X	5.392	5.392	0	%100
4	M2	Z	-9.339	-9.339	0	%100
5	M13	X	.391	.391	0	%100
6	M13	Z	-.677	-.677	0	%100
7	M14	X	.391	.391	0	%100
8	M14	Z	-.677	-.677	0	%100
9	M15	X	.391	.391	0	%100
10	M15	Z	-.677	-.677	0	%100
11	M16	X	.391	.391	0	%100
12	M16	Z	-.677	-.677	0	%100
13	M17	X	.639	.639	0	%100
14	M17	Z	-1.107	-1.107	0	%100
15	M18	X	.639	.639	0	%100
16	M18	Z	-1.107	-1.107	0	%100
17	M19	X	4.489	4.489	0	%100
18	M19	Z	-7.775	-7.775	0	%100
19	M20	X	4.489	4.489	0	%100
20	M20	Z	-7.775	-7.775	0	%100
21	M21	X	1.172	1.172	0	%100
22	M21	Z	-2.03	-2.03	0	%100
23	M22	X	1.172	1.172	0	%100
24	M22	Z	-2.03	-2.03	0	%100
25	M23	X	1.172	1.172	0	%100
26	M23	Z	-2.03	-2.03	0	%100
27	M24	X	1.172	1.172	0	%100
28	M24	Z	-2.03	-2.03	0	%100
29	M25	X	1.294	1.294	0	%100
30	M25	Z	-2.242	-2.242	0	%100
31	M26	X	1.294	1.294	0	%100
32	M26	Z	-2.242	-2.242	0	%100
33	M27	X	1.862	1.862	0	%100
34	M27	Z	-3.225	-3.225	0	%100
35	M28	X	1.862	1.862	0	%100
36	M28	Z	-3.225	-3.225	0	%100
37	MP4A	X	5.939	5.939	0	%100
38	MP4A	Z	-10.287	-10.287	0	%100
39	MP3A	X	5.939	5.939	0	%100
40	MP3A	Z	-10.287	-10.287	0	%100
41	MP2A	X	5.939	5.939	0	%100
42	MP2A	Z	-10.287	-10.287	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
43	MP1A	X	5.939	5.939	0	%100
44	MP1A	Z	-10.287	-10.287	0	%100
45	M44	X	1.563	1.563	0	%100
46	M44	Z	-2.707	-2.707	0	%100
47	M45	X	1.563	1.563	0	%100
48	M45	Z	-2.707	-2.707	0	%100
49	M46	X	1.563	1.563	0	%100
50	M46	Z	-2.707	-2.707	0	%100
51	M47	X	1.563	1.563	0	%100
52	M47	Z	-2.707	-2.707	0	%100
53	M43	X	.316	.316	0	%100
54	M43	Z	-.547	-.547	0	%100
55	M44A	X	3.155	3.155	0	%100
56	M44A	Z	-5.464	-5.464	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	3.113	3.113	0	%100
2	M1	Z	-1.797	-1.797	0	%100
3	M2	X	3.113	3.113	0	%100
4	M2	Z	-1.797	-1.797	0	%100
5	M13	X	2.03	2.03	0	%100
6	M13	Z	-1.172	-1.172	0	%100
7	M14	X	2.03	2.03	0	%100
8	M14	Z	-1.172	-1.172	0	%100
9	M15	X	2.03	2.03	0	%100
10	M15	Z	-1.172	-1.172	0	%100
11	M16	X	2.03	2.03	0	%100
12	M16	Z	-1.172	-1.172	0	%100
13	M17	X	.156	.156	0	%100
14	M17	Z	-.09	-.09	0	%100
15	M18	X	.156	.156	0	%100
16	M18	Z	-.09	-.09	0	%100
17	M19	X	6.824	6.824	0	%100
18	M19	Z	-3.94	-3.94	0	%100
19	M20	X	6.824	6.824	0	%100
20	M20	Z	-3.94	-3.94	0	%100
21	M21	X	.677	.677	0	%100
22	M21	Z	-.391	-.391	0	%100
23	M22	X	.677	.677	0	%100
24	M22	Z	-.391	-.391	0	%100
25	M23	X	.677	.677	0	%100
26	M23	Z	-.391	-.391	0	%100
27	M24	X	.677	.677	0	%100
28	M24	Z	-.391	-.391	0	%100
29	M25	X	2.102	2.102	0	%100
30	M25	Z	-1.213	-1.213	0	%100
31	M26	X	2.102	2.102	0	%100
32	M26	Z	-1.213	-1.213	0	%100
33	M27	X	3.085	3.085	0	%100
34	M27	Z	-1.781	-1.781	0	%100
35	M28	X	3.085	3.085	0	%100
36	M28	Z	-1.781	-1.781	0	%100
37	MP4A	X	10.287	10.287	0	%100
38	MP4A	Z	-5.939	-5.939	0	%100
39	MP3A	X	10.287	10.287	0	%100
40	MP3A	Z	-5.939	-5.939	0	%100
41	MP2A	X	10.287	10.287	0	%100
42	MP2A	Z	-5.939	-5.939	0	%100
43	MP1A	X	10.287	10.287	0	%100
44	MP1A	Z	-5.939	-5.939	0	%100
45	M44	X	2.707	2.707	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M44	Z	-1.563	-1.563	0	%100
47	M45	X	2.707	2.707	0	%100
48	M45	Z	-1.563	-1.563	0	%100
49	M46	X	2.707	2.707	0	%100
50	M46	Z	-1.563	-1.563	0	%100
51	M47	X	2.707	2.707	0	%100
52	M47	Z	-1.563	-1.563	0	%100
53	M43	X	4.83	4.83	0	%100
54	M43	Z	-2.789	-2.789	0	%100
55	M44A	X	9.748	9.748	0	%100
56	M44A	Z	-5.628	-5.628	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	3.126	3.126	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	3.126	3.126	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	3.126	3.126	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	3.126	3.126	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	3.481	3.481	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	3.481	3.481	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	3.481	3.481	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	3.481	3.481	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	2.914	2.914	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	2.914	2.914	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	2.914	2.914	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	2.914	2.914	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	11.878	11.878	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	11.878	11.878	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	11.878	11.878	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	11.878	11.878	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	3.126	3.126	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	3.126	3.126	0	%100
48	M45	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	M46	X	3.126	3.126	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	3.126	3.126	0	%100
52	M47	Z	0	0	0	%100
53	M43	X	10.89	10.89	0	%100
54	M43	Z	0	0	0	%100
55	M44A	X	10.89	10.89	0	%100
56	M44A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.113	3.113	0	%100
2	M1	Z	1.797	1.797	0	%100
3	M2	X	3.113	3.113	0	%100
4	M2	Z	1.797	1.797	0	%100
5	M13	X	2.03	2.03	0	%100
6	M13	Z	1.172	1.172	0	%100
7	M14	X	2.03	2.03	0	%100
8	M14	Z	1.172	1.172	0	%100
9	M15	X	2.03	2.03	0	%100
10	M15	Z	1.172	1.172	0	%100
11	M16	X	2.03	2.03	0	%100
12	M16	Z	1.172	1.172	0	%100
13	M17	X	6.824	6.824	0	%100
14	M17	Z	3.94	3.94	0	%100
15	M18	X	6.824	6.824	0	%100
16	M18	Z	3.94	3.94	0	%100
17	M19	X	.156	.156	0	%100
18	M19	Z	.09	.09	0	%100
19	M20	X	.156	.156	0	%100
20	M20	Z	.09	.09	0	%100
21	M21	X	.677	.677	0	%100
22	M21	Z	.391	.391	0	%100
23	M22	X	.677	.677	0	%100
24	M22	Z	.391	.391	0	%100
25	M23	X	.677	.677	0	%100
26	M23	Z	.391	.391	0	%100
27	M24	X	.677	.677	0	%100
28	M24	Z	.391	.391	0	%100
29	M25	X	3.085	3.085	0	%100
30	M25	Z	1.781	1.781	0	%100
31	M26	X	3.085	3.085	0	%100
32	M26	Z	1.781	1.781	0	%100
33	M27	X	2.102	2.102	0	%100
34	M27	Z	1.213	1.213	0	%100
35	M28	X	2.102	2.102	0	%100
36	M28	Z	1.213	1.213	0	%100
37	MP4A	X	10.287	10.287	0	%100
38	MP4A	Z	5.939	5.939	0	%100
39	MP3A	X	10.287	10.287	0	%100
40	MP3A	Z	5.939	5.939	0	%100
41	MP2A	X	10.287	10.287	0	%100
42	MP2A	Z	5.939	5.939	0	%100
43	MP1A	X	10.287	10.287	0	%100
44	MP1A	Z	5.939	5.939	0	%100
45	M44	X	2.707	2.707	0	%100
46	M44	Z	1.563	1.563	0	%100
47	M45	X	2.707	2.707	0	%100
48	M45	Z	1.563	1.563	0	%100
49	M46	X	2.707	2.707	0	%100
50	M46	Z	1.563	1.563	0	%100
51	M47	X	2.707	2.707	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
52	M47	Z	1.563	1.563	0	%100
53	M43	X	9.748	9.748	0	%100
54	M43	Z	5.628	5.628	0	%100
55	M44A	X	4.83	4.83	0	%100
56	M44A	Z	2.789	2.789	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	5.392	5.392	0	%100
2	M1	Z	9.339	9.339	0	%100
3	M2	X	5.392	5.392	0	%100
4	M2	Z	9.339	9.339	0	%100
5	M13	X	.391	.391	0	%100
6	M13	Z	.677	.677	0	%100
7	M14	X	.391	.391	0	%100
8	M14	Z	.677	.677	0	%100
9	M15	X	.391	.391	0	%100
10	M15	Z	.677	.677	0	%100
11	M16	X	.391	.391	0	%100
12	M16	Z	.677	.677	0	%100
13	M17	X	4.489	4.489	0	%100
14	M17	Z	7.775	7.775	0	%100
15	M18	X	4.489	4.489	0	%100
16	M18	Z	7.775	7.775	0	%100
17	M19	X	.639	.639	0	%100
18	M19	Z	1.107	1.107	0	%100
19	M20	X	.639	.639	0	%100
20	M20	Z	1.107	1.107	0	%100
21	M21	X	1.172	1.172	0	%100
22	M21	Z	2.03	2.03	0	%100
23	M22	X	1.172	1.172	0	%100
24	M22	Z	2.03	2.03	0	%100
25	M23	X	1.172	1.172	0	%100
26	M23	Z	2.03	2.03	0	%100
27	M24	X	1.172	1.172	0	%100
28	M24	Z	2.03	2.03	0	%100
29	M25	X	1.862	1.862	0	%100
30	M25	Z	3.225	3.225	0	%100
31	M26	X	1.862	1.862	0	%100
32	M26	Z	3.225	3.225	0	%100
33	M27	X	1.294	1.294	0	%100
34	M27	Z	2.242	2.242	0	%100
35	M28	X	1.294	1.294	0	%100
36	M28	Z	2.242	2.242	0	%100
37	MP4A	X	5.939	5.939	0	%100
38	MP4A	Z	10.287	10.287	0	%100
39	MP3A	X	5.939	5.939	0	%100
40	MP3A	Z	10.287	10.287	0	%100
41	MP2A	X	5.939	5.939	0	%100
42	MP2A	Z	10.287	10.287	0	%100
43	MP1A	X	5.939	5.939	0	%100
44	MP1A	Z	10.287	10.287	0	%100
45	M44	X	1.563	1.563	0	%100
46	M44	Z	2.707	2.707	0	%100
47	M45	X	1.563	1.563	0	%100
48	M45	Z	2.707	2.707	0	%100
49	M46	X	1.563	1.563	0	%100
50	M46	Z	2.707	2.707	0	%100
51	M47	X	1.563	1.563	0	%100
52	M47	Z	2.707	2.707	0	%100
53	M43	X	3.155	3.155	0	%100
54	M43	Z	5.464	5.464	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
55	M44A	X	.316	.316	0	%100
56	M44A	Z	.547	.547	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	14.379	14.379	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	14.379	14.379	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	5.677	5.677	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	5.677	5.677	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	5.677	5.677	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	5.677	5.677	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	3.126	3.126	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	3.126	3.126	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	3.126	3.126	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	3.126	3.126	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	3.238	3.238	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	3.238	3.238	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	3.238	3.238	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	3.238	3.238	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	11.878	11.878	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	11.878	11.878	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	11.878	11.878	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	11.878	11.878	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	3.126	3.126	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	3.126	3.126	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	3.126	3.126	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	3.126	3.126	0	%100
53	M43	X	0	0	0	%100
54	M43	Z	.997	.997	0	%100
55	M44A	X	0	0	0	%100
56	M44A	Z	.997	.997	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.392	-5.392	0	%100
2	M1	Z	9.339	9.339	0	%100
3	M2	X	-5.392	-5.392	0	%100
4	M2	Z	9.339	9.339	0	%100
5	M13	X	-.391	-.391	0	%100
6	M13	Z	.677	.677	0	%100
7	M14	X	-.391	-.391	0	%100
8	M14	Z	.677	.677	0	%100
9	M15	X	-.391	-.391	0	%100
10	M15	Z	.677	.677	0	%100
11	M16	X	-.391	-.391	0	%100
12	M16	Z	.677	.677	0	%100
13	M17	X	-.639	-.639	0	%100
14	M17	Z	1.107	1.107	0	%100
15	M18	X	-.639	-.639	0	%100
16	M18	Z	1.107	1.107	0	%100
17	M19	X	-4.489	-4.489	0	%100
18	M19	Z	7.775	7.775	0	%100
19	M20	X	-4.489	-4.489	0	%100
20	M20	Z	7.775	7.775	0	%100
21	M21	X	-1.172	-1.172	0	%100
22	M21	Z	2.03	2.03	0	%100
23	M22	X	-1.172	-1.172	0	%100
24	M22	Z	2.03	2.03	0	%100
25	M23	X	-1.172	-1.172	0	%100
26	M23	Z	2.03	2.03	0	%100
27	M24	X	-1.172	-1.172	0	%100
28	M24	Z	2.03	2.03	0	%100
29	M25	X	-1.294	-1.294	0	%100
30	M25	Z	2.242	2.242	0	%100
31	M26	X	-1.294	-1.294	0	%100
32	M26	Z	2.242	2.242	0	%100
33	M27	X	-1.862	-1.862	0	%100
34	M27	Z	3.225	3.225	0	%100
35	M28	X	-1.862	-1.862	0	%100
36	M28	Z	3.225	3.225	0	%100
37	MP4A	X	-5.939	-5.939	0	%100
38	MP4A	Z	10.287	10.287	0	%100
39	MP3A	X	-5.939	-5.939	0	%100
40	MP3A	Z	10.287	10.287	0	%100
41	MP2A	X	-5.939	-5.939	0	%100
42	MP2A	Z	10.287	10.287	0	%100
43	MP1A	X	-5.939	-5.939	0	%100
44	MP1A	Z	10.287	10.287	0	%100
45	M44	X	-1.563	-1.563	0	%100
46	M44	Z	2.707	2.707	0	%100
47	M45	X	-1.563	-1.563	0	%100
48	M45	Z	2.707	2.707	0	%100
49	M46	X	-1.563	-1.563	0	%100
50	M46	Z	2.707	2.707	0	%100
51	M47	X	-1.563	-1.563	0	%100
52	M47	Z	2.707	2.707	0	%100
53	M43	X	-.316	-.316	0	%100
54	M43	Z	.547	.547	0	%100
55	M44A	X	-3.155	-3.155	0	%100
56	M44A	Z	5.464	5.464	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.113	-3.113	0	%100
2	M1	Z	1.797	1.797	0	%100
3	M2	X	-3.113	-3.113	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
4	M2	Z	1.797	1.797	0	%100
5	M13	X	-2.03	-2.03	0	%100
6	M13	Z	1.172	1.172	0	%100
7	M14	X	-2.03	-2.03	0	%100
8	M14	Z	1.172	1.172	0	%100
9	M15	X	-2.03	-2.03	0	%100
10	M15	Z	1.172	1.172	0	%100
11	M16	X	-2.03	-2.03	0	%100
12	M16	Z	1.172	1.172	0	%100
13	M17	X	-1.156	-1.156	0	%100
14	M17	Z	.09	.09	0	%100
15	M18	X	-1.156	-1.156	0	%100
16	M18	Z	.09	.09	0	%100
17	M19	X	-6.824	-6.824	0	%100
18	M19	Z	3.94	3.94	0	%100
19	M20	X	-6.824	-6.824	0	%100
20	M20	Z	3.94	3.94	0	%100
21	M21	X	-.677	-.677	0	%100
22	M21	Z	.391	.391	0	%100
23	M22	X	-.677	-.677	0	%100
24	M22	Z	.391	.391	0	%100
25	M23	X	-.677	-.677	0	%100
26	M23	Z	.391	.391	0	%100
27	M24	X	-.677	-.677	0	%100
28	M24	Z	.391	.391	0	%100
29	M25	X	-2.102	-2.102	0	%100
30	M25	Z	1.213	1.213	0	%100
31	M26	X	-2.102	-2.102	0	%100
32	M26	Z	1.213	1.213	0	%100
33	M27	X	-3.085	-3.085	0	%100
34	M27	Z	1.781	1.781	0	%100
35	M28	X	-3.085	-3.085	0	%100
36	M28	Z	1.781	1.781	0	%100
37	MP4A	X	-10.287	-10.287	0	%100
38	MP4A	Z	5.939	5.939	0	%100
39	MP3A	X	-10.287	-10.287	0	%100
40	MP3A	Z	5.939	5.939	0	%100
41	MP2A	X	-10.287	-10.287	0	%100
42	MP2A	Z	5.939	5.939	0	%100
43	MP1A	X	-10.287	-10.287	0	%100
44	MP1A	Z	5.939	5.939	0	%100
45	M44	X	-2.707	-2.707	0	%100
46	M44	Z	1.563	1.563	0	%100
47	M45	X	-2.707	-2.707	0	%100
48	M45	Z	1.563	1.563	0	%100
49	M46	X	-2.707	-2.707	0	%100
50	M46	Z	1.563	1.563	0	%100
51	M47	X	-2.707	-2.707	0	%100
52	M47	Z	1.563	1.563	0	%100
53	M43	X	-4.83	-4.83	0	%100
54	M43	Z	2.789	2.789	0	%100
55	M44A	X	-9.748	-9.748	0	%100
56	M44A	Z	5.628	5.628	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-3.126	-3.126	0	%100
6	M13	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
7	M14	X	-3.126	-3.126	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-3.126	-3.126	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-3.126	-3.126	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	-3.481	-3.481	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	-3.481	-3.481	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-3.481	-3.481	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-3.481	-3.481	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-2.914	-2.914	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-2.914	-2.914	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-2.914	-2.914	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-2.914	-2.914	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	-11.878	-11.878	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-11.878	-11.878	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	-11.878	-11.878	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	-11.878	-11.878	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	-3.126	-3.126	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	-3.126	-3.126	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	-3.126	-3.126	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	-3.126	-3.126	0	%100
52	M47	Z	0	0	0	%100
53	M43	X	-10.89	-10.89	0	%100
54	M43	Z	0	0	0	%100
55	M44A	X	-10.89	-10.89	0	%100
56	M44A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-3.113	-3.113	0	%100
2	M1	Z	-1.797	-1.797	0	%100
3	M2	X	-3.113	-3.113	0	%100
4	M2	Z	-1.797	-1.797	0	%100
5	M13	X	-2.03	-2.03	0	%100
6	M13	Z	-1.172	-1.172	0	%100
7	M14	X	-2.03	-2.03	0	%100
8	M14	Z	-1.172	-1.172	0	%100
9	M15	X	-2.03	-2.03	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M15	Z	-1.172	-1.172	0	%100
11	M16	X	-2.03	-2.03	0	%100
12	M16	Z	-1.172	-1.172	0	%100
13	M17	X	-6.824	-6.824	0	%100
14	M17	Z	-3.94	-3.94	0	%100
15	M18	X	-6.824	-6.824	0	%100
16	M18	Z	-3.94	-3.94	0	%100
17	M19	X	-1.56	-1.56	0	%100
18	M19	Z	-.09	-.09	0	%100
19	M20	X	-1.56	-1.56	0	%100
20	M20	Z	-.09	-.09	0	%100
21	M21	X	-.677	-.677	0	%100
22	M21	Z	-.391	-.391	0	%100
23	M22	X	-.677	-.677	0	%100
24	M22	Z	-.391	-.391	0	%100
25	M23	X	-.677	-.677	0	%100
26	M23	Z	-.391	-.391	0	%100
27	M24	X	-.677	-.677	0	%100
28	M24	Z	-.391	-.391	0	%100
29	M25	X	-3.085	-3.085	0	%100
30	M25	Z	-1.781	-1.781	0	%100
31	M26	X	-3.085	-3.085	0	%100
32	M26	Z	-1.781	-1.781	0	%100
33	M27	X	-2.102	-2.102	0	%100
34	M27	Z	-1.213	-1.213	0	%100
35	M28	X	-2.102	-2.102	0	%100
36	M28	Z	-1.213	-1.213	0	%100
37	MP4A	X	-10.287	-10.287	0	%100
38	MP4A	Z	-5.939	-5.939	0	%100
39	MP3A	X	-10.287	-10.287	0	%100
40	MP3A	Z	-5.939	-5.939	0	%100
41	MP2A	X	-10.287	-10.287	0	%100
42	MP2A	Z	-5.939	-5.939	0	%100
43	MP1A	X	-10.287	-10.287	0	%100
44	MP1A	Z	-5.939	-5.939	0	%100
45	M44	X	-2.707	-2.707	0	%100
46	M44	Z	-1.563	-1.563	0	%100
47	M45	X	-2.707	-2.707	0	%100
48	M45	Z	-1.563	-1.563	0	%100
49	M46	X	-2.707	-2.707	0	%100
50	M46	Z	-1.563	-1.563	0	%100
51	M47	X	-2.707	-2.707	0	%100
52	M47	Z	-1.563	-1.563	0	%100
53	M43	X	-9.748	-9.748	0	%100
54	M43	Z	-5.628	-5.628	0	%100
55	M44A	X	-4.83	-4.83	0	%100
56	M44A	Z	-2.789	-2.789	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.392	-5.392	0	%100
2	M1	Z	-9.339	-9.339	0	%100
3	M2	X	-5.392	-5.392	0	%100
4	M2	Z	-9.339	-9.339	0	%100
5	M13	X	-.391	-.391	0	%100
6	M13	Z	-.677	-.677	0	%100
7	M14	X	-.391	-.391	0	%100
8	M14	Z	-.677	-.677	0	%100
9	M15	X	-.391	-.391	0	%100
10	M15	Z	-.677	-.677	0	%100
11	M16	X	-.391	-.391	0	%100
12	M16	Z	-.677	-.677	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
13	M17	X	-4.489	-4.489	0	%100
14	M17	Z	-7.775	-7.775	0	%100
15	M18	X	-4.489	-4.489	0	%100
16	M18	Z	-7.775	-7.775	0	%100
17	M19	X	-639	-639	0	%100
18	M19	Z	-1.107	-1.107	0	%100
19	M20	X	-639	-639	0	%100
20	M20	Z	-1.107	-1.107	0	%100
21	M21	X	-1.172	-1.172	0	%100
22	M21	Z	-2.03	-2.03	0	%100
23	M22	X	-1.172	-1.172	0	%100
24	M22	Z	-2.03	-2.03	0	%100
25	M23	X	-1.172	-1.172	0	%100
26	M23	Z	-2.03	-2.03	0	%100
27	M24	X	-1.172	-1.172	0	%100
28	M24	Z	-2.03	-2.03	0	%100
29	M25	X	-1.862	-1.862	0	%100
30	M25	Z	-3.225	-3.225	0	%100
31	M26	X	-1.862	-1.862	0	%100
32	M26	Z	-3.225	-3.225	0	%100
33	M27	X	-1.294	-1.294	0	%100
34	M27	Z	-2.242	-2.242	0	%100
35	M28	X	-1.294	-1.294	0	%100
36	M28	Z	-2.242	-2.242	0	%100
37	MP4A	X	-5.939	-5.939	0	%100
38	MP4A	Z	-10.287	-10.287	0	%100
39	MP3A	X	-5.939	-5.939	0	%100
40	MP3A	Z	-10.287	-10.287	0	%100
41	MP2A	X	-5.939	-5.939	0	%100
42	MP2A	Z	-10.287	-10.287	0	%100
43	MP1A	X	-5.939	-5.939	0	%100
44	MP1A	Z	-10.287	-10.287	0	%100
45	M44	X	-1.563	-1.563	0	%100
46	M44	Z	-2.707	-2.707	0	%100
47	M45	X	-1.563	-1.563	0	%100
48	M45	Z	-2.707	-2.707	0	%100
49	M46	X	-1.563	-1.563	0	%100
50	M46	Z	-2.707	-2.707	0	%100
51	M47	X	-1.563	-1.563	0	%100
52	M47	Z	-2.707	-2.707	0	%100
53	M43	X	-3.155	-3.155	0	%100
54	M43	Z	-5.464	-5.464	0	%100
55	M44A	X	-316	-316	0	%100
56	M44A	Z	-547	-547	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-4.07	-4.07	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-4.07	-4.07	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	-1.76	-1.76	0	%100
15	M18	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M18	Z	-1.76	-1.76	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-1.76	-1.76	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-1.76	-1.76	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-1.565	-1.565	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-1.565	-1.565	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-1.565	-1.565	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-1.565	-1.565	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-1.975	-1.975	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-1.975	-1.975	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-1.975	-1.975	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-1.975	-1.975	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-3.682	-3.682	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-3.682	-3.682	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-3.682	-3.682	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-3.682	-3.682	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	-2.047	-2.047	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-2.047	-2.047	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	-2.047	-2.047	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-2.047	-2.047	0	%100
53	M43	X	0	0	0	%100
54	M43	Z	-.309	-.309	0	%100
55	M44A	X	0	0	0	%100
56	M44A	Z	-.309	-.309	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.526	1.526	0	%100
2	M1	Z	-2.643	-2.643	0	%100
3	M2	X	1.526	1.526	0	%100
4	M2	Z	-2.643	-2.643	0	%100
5	M13	X	.195	.195	0	%100
6	M13	Z	-.337	-.337	0	%100
7	M14	X	.195	.195	0	%100
8	M14	Z	-.337	-.337	0	%100
9	M15	X	.195	.195	0	%100
10	M15	Z	-.337	-.337	0	%100
11	M16	X	.195	.195	0	%100
12	M16	Z	-.337	-.337	0	%100
13	M17	X	.198	.198	0	%100
14	M17	Z	-.343	-.343	0	%100
15	M18	X	.198	.198	0	%100
16	M18	Z	-.343	-.343	0	%100
17	M19	X	1.392	1.392	0	%100
18	M19	Z	-2.41	-2.41	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M20	X	1.392	1.392	0	%100
20	M20	Z	-2.41	-2.41	0	%100
21	M21	X	.587	.587	0	%100
22	M21	Z	-1.016	-1.016	0	%100
23	M22	X	.587	.587	0	%100
24	M22	Z	-1.016	-1.016	0	%100
25	M23	X	.587	.587	0	%100
26	M23	Z	-1.016	-1.016	0	%100
27	M24	X	.587	.587	0	%100
28	M24	Z	-1.016	-1.016	0	%100
29	M25	X	.79	.79	0	%100
30	M25	Z	-1.368	-1.368	0	%100
31	M26	X	.79	.79	0	%100
32	M26	Z	-1.368	-1.368	0	%100
33	M27	X	1.136	1.136	0	%100
34	M27	Z	-1.967	-1.967	0	%100
35	M28	X	1.136	1.136	0	%100
36	M28	Z	-1.967	-1.967	0	%100
37	MP4A	X	1.841	1.841	0	%100
38	MP4A	Z	-3.189	-3.189	0	%100
39	MP3A	X	1.841	1.841	0	%100
40	MP3A	Z	-3.189	-3.189	0	%100
41	MP2A	X	1.841	1.841	0	%100
42	MP2A	Z	-3.189	-3.189	0	%100
43	MP1A	X	1.841	1.841	0	%100
44	MP1A	Z	-3.189	-3.189	0	%100
45	M44	X	1.024	1.024	0	%100
46	M44	Z	-1.773	-1.773	0	%100
47	M45	X	1.024	1.024	0	%100
48	M45	Z	-1.773	-1.773	0	%100
49	M46	X	1.024	1.024	0	%100
50	M46	Z	-1.773	-1.773	0	%100
51	M47	X	1.024	1.024	0	%100
52	M47	Z	-1.773	-1.773	0	%100
53	M43	X	.098	.098	0	%100
54	M43	Z	-.169	-.169	0	%100
55	M44A	X	.978	.978	0	%100
56	M44A	Z	-1.694	-1.694	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.881	.881	0	%100
2	M1	Z	-.509	-.509	0	%100
3	M2	X	.881	.881	0	%100
4	M2	Z	-.509	-.509	0	%100
5	M13	X	1.012	1.012	0	%100
6	M13	Z	-.584	-.584	0	%100
7	M14	X	1.012	1.012	0	%100
8	M14	Z	-.584	-.584	0	%100
9	M15	X	1.012	1.012	0	%100
10	M15	Z	-.584	-.584	0	%100
11	M16	X	1.012	1.012	0	%100
12	M16	Z	-.584	-.584	0	%100
13	M17	X	.048	.048	0	%100
14	M17	Z	-.028	-.028	0	%100
15	M18	X	.048	.048	0	%100
16	M18	Z	-.028	-.028	0	%100
17	M19	X	2.116	2.116	0	%100
18	M19	Z	-1.221	-1.221	0	%100
19	M20	X	2.116	2.116	0	%100
20	M20	Z	-1.221	-1.221	0	%100
21	M21	X	.339	.339	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
22	M21	Z	-.196	-.196	0	%100
23	M22	X	.339	.339	0	%100
24	M22	Z	-.196	-.196	0	%100
25	M23	X	.339	.339	0	%100
26	M23	Z	-.196	-.196	0	%100
27	M24	X	.339	.339	0	%100
28	M24	Z	-.196	-.196	0	%100
29	M25	X	1.282	1.282	0	%100
30	M25	Z	-.74	-.74	0	%100
31	M26	X	1.282	1.282	0	%100
32	M26	Z	-.74	-.74	0	%100
33	M27	X	1.882	1.882	0	%100
34	M27	Z	-1.086	-1.086	0	%100
35	M28	X	1.882	1.882	0	%100
36	M28	Z	-1.086	-1.086	0	%100
37	MP4A	X	3.189	3.189	0	%100
38	MP4A	Z	-1.841	-1.841	0	%100
39	MP3A	X	3.189	3.189	0	%100
40	MP3A	Z	-1.841	-1.841	0	%100
41	MP2A	X	3.189	3.189	0	%100
42	MP2A	Z	-1.841	-1.841	0	%100
43	MP1A	X	3.189	3.189	0	%100
44	MP1A	Z	-1.841	-1.841	0	%100
45	M44	X	1.773	1.773	0	%100
46	M44	Z	-1.024	-1.024	0	%100
47	M45	X	1.773	1.773	0	%100
48	M45	Z	-1.024	-1.024	0	%100
49	M46	X	1.773	1.773	0	%100
50	M46	Z	-1.024	-1.024	0	%100
51	M47	X	1.773	1.773	0	%100
52	M47	Z	-1.024	-1.024	0	%100
53	M43	X	1.497	1.497	0	%100
54	M43	Z	-.865	-.865	0	%100
55	M44A	X	3.022	3.022	0	%100
56	M44A	Z	-1.745	-1.745	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	1.558	1.558	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	1.558	1.558	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	1.558	1.558	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	1.558	1.558	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	1.079	1.079	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	1.079	1.079	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	1.079	1.079	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	1.079	1.079	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]	
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	1.777	1.777	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	1.777	1.777	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	1.777	1.777	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	1.777	1.777	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	3.682	3.682	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	3.682	3.682	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	3.682	3.682	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	3.682	3.682	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	2.047	2.047	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	2.047	2.047	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	2.047	2.047	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	2.047	2.047	0	%100
52	M47	Z	0	0	0	%100
53	M43	X	3.376	3.376	0	%100
54	M43	Z	0	0	0	%100
55	M44A	X	3.376	3.376	0	%100
56	M44A	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]	
1	M1	X	.881	.881	0	%100
2	M1	Z	.509	.509	0	%100
3	M2	X	.881	.881	0	%100
4	M2	Z	.509	.509	0	%100
5	M13	X	1.012	1.012	0	%100
6	M13	Z	.584	.584	0	%100
7	M14	X	1.012	1.012	0	%100
8	M14	Z	.584	.584	0	%100
9	M15	X	1.012	1.012	0	%100
10	M15	Z	.584	.584	0	%100
11	M16	X	1.012	1.012	0	%100
12	M16	Z	.584	.584	0	%100
13	M17	X	2.116	2.116	0	%100
14	M17	Z	1.221	1.221	0	%100
15	M18	X	2.116	2.116	0	%100
16	M18	Z	1.221	1.221	0	%100
17	M19	X	.048	.048	0	%100
18	M19	Z	.028	.028	0	%100
19	M20	X	.048	.048	0	%100
20	M20	Z	.028	.028	0	%100
21	M21	X	.339	.339	0	%100
22	M21	Z	.196	.196	0	%100
23	M22	X	.339	.339	0	%100
24	M22	Z	.196	.196	0	%100
25	M23	X	.339	.339	0	%100
26	M23	Z	.196	.196	0	%100
27	M24	X	.339	.339	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M24	Z	.196	.196	0	%100
29	M25	X	1.882	1.882	0	%100
30	M25	Z	1.086	1.086	0	%100
31	M26	X	1.882	1.882	0	%100
32	M26	Z	1.086	1.086	0	%100
33	M27	X	1.282	1.282	0	%100
34	M27	Z	.74	.74	0	%100
35	M28	X	1.282	1.282	0	%100
36	M28	Z	.74	.74	0	%100
37	MP4A	X	3.189	3.189	0	%100
38	MP4A	Z	1.841	1.841	0	%100
39	MP3A	X	3.189	3.189	0	%100
40	MP3A	Z	1.841	1.841	0	%100
41	MP2A	X	3.189	3.189	0	%100
42	MP2A	Z	1.841	1.841	0	%100
43	MP1A	X	3.189	3.189	0	%100
44	MP1A	Z	1.841	1.841	0	%100
45	M44	X	1.773	1.773	0	%100
46	M44	Z	1.024	1.024	0	%100
47	M45	X	1.773	1.773	0	%100
48	M45	Z	1.024	1.024	0	%100
49	M46	X	1.773	1.773	0	%100
50	M46	Z	1.024	1.024	0	%100
51	M47	X	1.773	1.773	0	%100
52	M47	Z	1.024	1.024	0	%100
53	M43	X	3.022	3.022	0	%100
54	M43	Z	1.745	1.745	0	%100
55	M44A	X	1.497	1.497	0	%100
56	M44A	Z	.865	.865	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.526	1.526	0	%100
2	M1	Z	2.643	2.643	0	%100
3	M2	X	1.526	1.526	0	%100
4	M2	Z	2.643	2.643	0	%100
5	M13	X	.195	.195	0	%100
6	M13	Z	.337	.337	0	%100
7	M14	X	.195	.195	0	%100
8	M14	Z	.337	.337	0	%100
9	M15	X	.195	.195	0	%100
10	M15	Z	.337	.337	0	%100
11	M16	X	.195	.195	0	%100
12	M16	Z	.337	.337	0	%100
13	M17	X	1.392	1.392	0	%100
14	M17	Z	2.41	2.41	0	%100
15	M18	X	1.392	1.392	0	%100
16	M18	Z	2.41	2.41	0	%100
17	M19	X	.198	.198	0	%100
18	M19	Z	.343	.343	0	%100
19	M20	X	.198	.198	0	%100
20	M20	Z	.343	.343	0	%100
21	M21	X	.587	.587	0	%100
22	M21	Z	1.016	1.016	0	%100
23	M22	X	.587	.587	0	%100
24	M22	Z	1.016	1.016	0	%100
25	M23	X	.587	.587	0	%100
26	M23	Z	1.016	1.016	0	%100
27	M24	X	.587	.587	0	%100
28	M24	Z	1.016	1.016	0	%100
29	M25	X	1.136	1.136	0	%100
30	M25	Z	1.967	1.967	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M26	X	1.136	1.136	0	%100
32	M26	Z	1.967	1.967	0	%100
33	M27	X	.79	.79	0	%100
34	M27	Z	1.368	1.368	0	%100
35	M28	X	.79	.79	0	%100
36	M28	Z	1.368	1.368	0	%100
37	MP4A	X	1.841	1.841	0	%100
38	MP4A	Z	3.189	3.189	0	%100
39	MP3A	X	1.841	1.841	0	%100
40	MP3A	Z	3.189	3.189	0	%100
41	MP2A	X	1.841	1.841	0	%100
42	MP2A	Z	3.189	3.189	0	%100
43	MP1A	X	1.841	1.841	0	%100
44	MP1A	Z	3.189	3.189	0	%100
45	M44	X	1.024	1.024	0	%100
46	M44	Z	1.773	1.773	0	%100
47	M45	X	1.024	1.024	0	%100
48	M45	Z	1.773	1.773	0	%100
49	M46	X	1.024	1.024	0	%100
50	M46	Z	1.773	1.773	0	%100
51	M47	X	1.024	1.024	0	%100
52	M47	Z	1.773	1.773	0	%100
53	M43	X	.978	.978	0	%100
54	M43	Z	1.694	1.694	0	%100
55	M44A	X	.098	.098	0	%100
56	M44A	Z	.169	.169	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	4.07	4.07	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	4.07	4.07	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	1.76	1.76	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	1.76	1.76	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	1.76	1.76	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	1.76	1.76	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	1.565	1.565	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	1.565	1.565	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	1.565	1.565	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	1.565	1.565	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	1.975	1.975	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	1.975	1.975	0	%100
33	M27	X	0	0	0	%100



Company : Maser Consulting
 Designer : DAB
 Job Number : Project No. 21777026A
 Model Name : 468207-VZW_MT_LOT_A_R

Aug 23, 2021
 4:08 PM
 Checked By: DX

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M27	Z	1.975	1.975	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	1.975	1.975	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	3.682	3.682	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	3.682	3.682	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	3.682	3.682	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	3.682	3.682	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	2.047	2.047	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	2.047	2.047	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	2.047	2.047	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	2.047	2.047	0	%100
53	M43	X	0	0	0	%100
54	M43	Z	.309	.309	0	%100
55	M44A	X	0	0	0	%100
56	M44A	Z	.309	.309	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.526	-1.526	0	%100
2	M1	Z	2.643	2.643	0	%100
3	M2	X	-1.526	-1.526	0	%100
4	M2	Z	2.643	2.643	0	%100
5	M13	X	-.195	-.195	0	%100
6	M13	Z	.337	.337	0	%100
7	M14	X	-.195	-.195	0	%100
8	M14	Z	.337	.337	0	%100
9	M15	X	-.195	-.195	0	%100
10	M15	Z	.337	.337	0	%100
11	M16	X	-.195	-.195	0	%100
12	M16	Z	.337	.337	0	%100
13	M17	X	-.198	-.198	0	%100
14	M17	Z	.343	.343	0	%100
15	M18	X	-.198	-.198	0	%100
16	M18	Z	.343	.343	0	%100
17	M19	X	-1.392	-1.392	0	%100
18	M19	Z	2.41	2.41	0	%100
19	M20	X	-1.392	-1.392	0	%100
20	M20	Z	2.41	2.41	0	%100
21	M21	X	-.587	-.587	0	%100
22	M21	Z	1.016	1.016	0	%100
23	M22	X	-.587	-.587	0	%100
24	M22	Z	1.016	1.016	0	%100
25	M23	X	-.587	-.587	0	%100
26	M23	Z	1.016	1.016	0	%100
27	M24	X	-.587	-.587	0	%100
28	M24	Z	1.016	1.016	0	%100
29	M25	X	-.79	-.79	0	%100
30	M25	Z	1.368	1.368	0	%100
31	M26	X	-.79	-.79	0	%100
32	M26	Z	1.368	1.368	0	%100
33	M27	X	-1.136	-1.136	0	%100
34	M27	Z	1.967	1.967	0	%100
35	M28	X	-1.136	-1.136	0	%100
36	M28	Z	1.967	1.967	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP4A	X	-1.841	-1.841	0	%100
38	MP4A	Z	3.189	3.189	0	%100
39	MP3A	X	-1.841	-1.841	0	%100
40	MP3A	Z	3.189	3.189	0	%100
41	MP2A	X	-1.841	-1.841	0	%100
42	MP2A	Z	3.189	3.189	0	%100
43	MP1A	X	-1.841	-1.841	0	%100
44	MP1A	Z	3.189	3.189	0	%100
45	M44	X	-1.024	-1.024	0	%100
46	M44	Z	1.773	1.773	0	%100
47	M45	X	-1.024	-1.024	0	%100
48	M45	Z	1.773	1.773	0	%100
49	M46	X	-1.024	-1.024	0	%100
50	M46	Z	1.773	1.773	0	%100
51	M47	X	-1.024	-1.024	0	%100
52	M47	Z	1.773	1.773	0	%100
53	M43	X	-.098	-.098	0	%100
54	M43	Z	.169	.169	0	%100
55	M44A	X	-.978	-.978	0	%100
56	M44A	Z	1.694	1.694	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.881	-.881	0	%100
2	M1	Z	.509	.509	0	%100
3	M2	X	-.881	-.881	0	%100
4	M2	Z	.509	.509	0	%100
5	M13	X	-1.012	-1.012	0	%100
6	M13	Z	.584	.584	0	%100
7	M14	X	-1.012	-1.012	0	%100
8	M14	Z	.584	.584	0	%100
9	M15	X	-1.012	-1.012	0	%100
10	M15	Z	.584	.584	0	%100
11	M16	X	-1.012	-1.012	0	%100
12	M16	Z	.584	.584	0	%100
13	M17	X	-.048	-.048	0	%100
14	M17	Z	.028	.028	0	%100
15	M18	X	-.048	-.048	0	%100
16	M18	Z	.028	.028	0	%100
17	M19	X	-2.116	-2.116	0	%100
18	M19	Z	1.221	1.221	0	%100
19	M20	X	-2.116	-2.116	0	%100
20	M20	Z	1.221	1.221	0	%100
21	M21	X	-.339	-.339	0	%100
22	M21	Z	.196	.196	0	%100
23	M22	X	-.339	-.339	0	%100
24	M22	Z	.196	.196	0	%100
25	M23	X	-.339	-.339	0	%100
26	M23	Z	.196	.196	0	%100
27	M24	X	-.339	-.339	0	%100
28	M24	Z	.196	.196	0	%100
29	M25	X	-1.282	-1.282	0	%100
30	M25	Z	.74	.74	0	%100
31	M26	X	-1.282	-1.282	0	%100
32	M26	Z	.74	.74	0	%100
33	M27	X	-1.882	-1.882	0	%100
34	M27	Z	1.086	1.086	0	%100
35	M28	X	-1.882	-1.882	0	%100
36	M28	Z	1.086	1.086	0	%100
37	MP4A	X	-3.189	-3.189	0	%100
38	MP4A	Z	1.841	1.841	0	%100
39	MP3A	X	-3.189	-3.189	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	MP3A	Z	1.841	1.841	0	%100
41	MP2A	X	-3.189	-3.189	0	%100
42	MP2A	Z	1.841	1.841	0	%100
43	MP1A	X	-3.189	-3.189	0	%100
44	MP1A	Z	1.841	1.841	0	%100
45	M44	X	-1.773	-1.773	0	%100
46	M44	Z	1.024	1.024	0	%100
47	M45	X	-1.773	-1.773	0	%100
48	M45	Z	1.024	1.024	0	%100
49	M46	X	-1.773	-1.773	0	%100
50	M46	Z	1.024	1.024	0	%100
51	M47	X	-1.773	-1.773	0	%100
52	M47	Z	1.024	1.024	0	%100
53	M43	X	-1.497	-1.497	0	%100
54	M43	Z	.865	.865	0	%100
55	M44A	X	-3.022	-3.022	0	%100
56	M44A	Z	1.745	1.745	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	-1.558	-1.558	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	-1.558	-1.558	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	-1.558	-1.558	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	-1.558	-1.558	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	-1.079	-1.079	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	-1.079	-1.079	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-1.079	-1.079	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-1.079	-1.079	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-1.777	-1.777	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-1.777	-1.777	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-1.777	-1.777	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-1.777	-1.777	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	-3.682	-3.682	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-3.682	-3.682	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	-3.682	-3.682	0	%100
42	MP2A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
43	MP1A	X	-3.682	-3.682	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	-2.047	-2.047	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	-2.047	-2.047	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	-2.047	-2.047	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	-2.047	-2.047	0	%100
52	M47	Z	0	0	0	%100
53	M43	X	-3.376	-3.376	0	%100
54	M43	Z	0	0	0	%100
55	M44A	X	-3.376	-3.376	0	%100
56	M44A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-0.881	-0.881	0	%100
2	M1	Z	-0.509	-0.509	0	%100
3	M2	X	-0.881	-0.881	0	%100
4	M2	Z	-0.509	-0.509	0	%100
5	M13	X	-1.012	-1.012	0	%100
6	M13	Z	-0.584	-0.584	0	%100
7	M14	X	-1.012	-1.012	0	%100
8	M14	Z	-0.584	-0.584	0	%100
9	M15	X	-1.012	-1.012	0	%100
10	M15	Z	-0.584	-0.584	0	%100
11	M16	X	-1.012	-1.012	0	%100
12	M16	Z	-0.584	-0.584	0	%100
13	M17	X	-2.116	-2.116	0	%100
14	M17	Z	-1.221	-1.221	0	%100
15	M18	X	-2.116	-2.116	0	%100
16	M18	Z	-1.221	-1.221	0	%100
17	M19	X	-0.048	-0.048	0	%100
18	M19	Z	-0.028	-0.028	0	%100
19	M20	X	-0.048	-0.048	0	%100
20	M20	Z	-0.028	-0.028	0	%100
21	M21	X	-0.339	-0.339	0	%100
22	M21	Z	-0.196	-0.196	0	%100
23	M22	X	-0.339	-0.339	0	%100
24	M22	Z	-0.196	-0.196	0	%100
25	M23	X	-0.339	-0.339	0	%100
26	M23	Z	-0.196	-0.196	0	%100
27	M24	X	-0.339	-0.339	0	%100
28	M24	Z	-0.196	-0.196	0	%100
29	M25	X	-1.882	-1.882	0	%100
30	M25	Z	-1.086	-1.086	0	%100
31	M26	X	-1.882	-1.882	0	%100
32	M26	Z	-1.086	-1.086	0	%100
33	M27	X	-1.282	-1.282	0	%100
34	M27	Z	-0.74	-0.74	0	%100
35	M28	X	-1.282	-1.282	0	%100
36	M28	Z	-0.74	-0.74	0	%100
37	MP4A	X	-3.189	-3.189	0	%100
38	MP4A	Z	-1.841	-1.841	0	%100
39	MP3A	X	-3.189	-3.189	0	%100
40	MP3A	Z	-1.841	-1.841	0	%100
41	MP2A	X	-3.189	-3.189	0	%100
42	MP2A	Z	-1.841	-1.841	0	%100
43	MP1A	X	-3.189	-3.189	0	%100
44	MP1A	Z	-1.841	-1.841	0	%100
45	M44	X	-1.773	-1.773	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	M46	X	-1.024	-1.024	0	%100
50	M46	Z	-1.773	-1.773	0	%100
51	M47	X	-1.024	-1.024	0	%100
52	M47	Z	-1.773	-1.773	0	%100
53	M43	X	-0.978	-0.978	0	%100
54	M43	Z	-1.694	-1.694	0	%100
55	M44A	X	-0.098	-0.098	0	%100
56	M44A	Z	-0.169	-0.169	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-0.802	-0.802	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-0.802	-0.802	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	-0.317	-0.317	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-0.317	-0.317	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-0.317	-0.317	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	-0.317	-0.317	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	-0.174	-0.174	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	-0.174	-0.174	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	-0.174	-0.174	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-0.174	-0.174	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	-0.181	-0.181	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	-0.181	-0.181	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	-0.181	-0.181	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	-0.181	-0.181	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-0.663	-0.663	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-0.663	-0.663	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-0.663	-0.663	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	-0.663	-0.663	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	-0.174	-0.174	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-0.174	-0.174	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	-0.174	-0.174	0	%100
51	M47	X	0	0	0	%100



Company : Maser Consulting
 Designer : DAB
 Job Number : Project No. 21777026A
 Model Name : 468207-VZW_MT_LOT_A_R

Aug 23, 2021
 4:08 PM
 Checked By: DX

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
52	M47	Z	-.174	-.174	0	%100
53	M43	X	0	0	0	%100
54	M43	Z	-.056	-.056	0	%100
55	M44A	X	0	0	0	%100
56	M44A	Z	-.056	-.056	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.301	.301	0	%100
2	M1	Z	-.521	-.521	0	%100
3	M2	X	.301	.301	0	%100
4	M2	Z	-.521	-.521	0	%100
5	M13	X	.022	.022	0	%100
6	M13	Z	-.038	-.038	0	%100
7	M14	X	.022	.022	0	%100
8	M14	Z	-.038	-.038	0	%100
9	M15	X	.022	.022	0	%100
10	M15	Z	-.038	-.038	0	%100
11	M16	X	.022	.022	0	%100
12	M16	Z	-.038	-.038	0	%100
13	M17	X	.036	.036	0	%100
14	M17	Z	-.062	-.062	0	%100
15	M18	X	.036	.036	0	%100
16	M18	Z	-.062	-.062	0	%100
17	M19	X	.25	.25	0	%100
18	M19	Z	-.434	-.434	0	%100
19	M20	X	.25	.25	0	%100
20	M20	Z	-.434	-.434	0	%100
21	M21	X	.065	.065	0	%100
22	M21	Z	-.113	-.113	0	%100
23	M22	X	.065	.065	0	%100
24	M22	Z	-.113	-.113	0	%100
25	M23	X	.065	.065	0	%100
26	M23	Z	-.113	-.113	0	%100
27	M24	X	.065	.065	0	%100
28	M24	Z	-.113	-.113	0	%100
29	M25	X	.072	.072	0	%100
30	M25	Z	-.125	-.125	0	%100
31	M26	X	.072	.072	0	%100
32	M26	Z	-.125	-.125	0	%100
33	M27	X	.104	.104	0	%100
34	M27	Z	-.18	-.18	0	%100
35	M28	X	.104	.104	0	%100
36	M28	Z	-.18	-.18	0	%100
37	MP4A	X	.331	.331	0	%100
38	MP4A	Z	-.574	-.574	0	%100
39	MP3A	X	.331	.331	0	%100
40	MP3A	Z	-.574	-.574	0	%100
41	MP2A	X	.331	.331	0	%100
42	MP2A	Z	-.574	-.574	0	%100
43	MP1A	X	.331	.331	0	%100
44	MP1A	Z	-.574	-.574	0	%100
45	M44	X	.087	.087	0	%100
46	M44	Z	-.151	-.151	0	%100
47	M45	X	.087	.087	0	%100
48	M45	Z	-.151	-.151	0	%100
49	M46	X	.087	.087	0	%100
50	M46	Z	-.151	-.151	0	%100
51	M47	X	.087	.087	0	%100
52	M47	Z	-.151	-.151	0	%100
53	M43	X	.018	.018	0	%100
54	M43	Z	-.031	-.031	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
55	M44A	X	.176	.176	0	%100
56	M44A	Z	-.305	-.305	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.174	.174	0	%100
2	M1	Z	-.1	-.1	0	%100
3	M2	X	.174	.174	0	%100
4	M2	Z	-.1	-.1	0	%100
5	M13	X	.113	.113	0	%100
6	M13	Z	-.065	-.065	0	%100
7	M14	X	.113	.113	0	%100
8	M14	Z	-.065	-.065	0	%100
9	M15	X	.113	.113	0	%100
10	M15	Z	-.065	-.065	0	%100
11	M16	X	.113	.113	0	%100
12	M16	Z	-.065	-.065	0	%100
13	M17	X	.009	.009	0	%100
14	M17	Z	-.005	-.005	0	%100
15	M18	X	.009	.009	0	%100
16	M18	Z	-.005	-.005	0	%100
17	M19	X	.381	.381	0	%100
18	M19	Z	-.22	-.22	0	%100
19	M20	X	.381	.381	0	%100
20	M20	Z	-.22	-.22	0	%100
21	M21	X	.038	.038	0	%100
22	M21	Z	-.022	-.022	0	%100
23	M22	X	.038	.038	0	%100
24	M22	Z	-.022	-.022	0	%100
25	M23	X	.038	.038	0	%100
26	M23	Z	-.022	-.022	0	%100
27	M24	X	.038	.038	0	%100
28	M24	Z	-.022	-.022	0	%100
29	M25	X	.117	.117	0	%100
30	M25	Z	-.068	-.068	0	%100
31	M26	X	.117	.117	0	%100
32	M26	Z	-.068	-.068	0	%100
33	M27	X	.172	.172	0	%100
34	M27	Z	-.099	-.099	0	%100
35	M28	X	.172	.172	0	%100
36	M28	Z	-.099	-.099	0	%100
37	MP4A	X	.574	.574	0	%100
38	MP4A	Z	-.331	-.331	0	%100
39	MP3A	X	.574	.574	0	%100
40	MP3A	Z	-.331	-.331	0	%100
41	MP2A	X	.574	.574	0	%100
42	MP2A	Z	-.331	-.331	0	%100
43	MP1A	X	.574	.574	0	%100
44	MP1A	Z	-.331	-.331	0	%100
45	M44	X	.151	.151	0	%100
46	M44	Z	-.087	-.087	0	%100
47	M45	X	.151	.151	0	%100
48	M45	Z	-.087	-.087	0	%100
49	M46	X	.151	.151	0	%100
50	M46	Z	-.087	-.087	0	%100
51	M47	X	.151	.151	0	%100
52	M47	Z	-.087	-.087	0	%100
53	M43	X	.27	.27	0	%100
54	M43	Z	-.156	-.156	0	%100
55	M44A	X	.544	.544	0	%100
56	M44A	Z	-.314	-.314	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M13	X	.174	.174	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	.174	.174	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	.174	.174	0	%100
10	M15	Z	0	0	0	%100
11	M16	X	.174	.174	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	.194	.194	0	%100
14	M17	Z	0	0	0	%100
15	M18	X	.194	.194	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	.194	.194	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.194	.194	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	.163	.163	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	.163	.163	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	.163	.163	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	.163	.163	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	.663	.663	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	.663	.663	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	.663	.663	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	.663	.663	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	.174	.174	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	.174	.174	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	.174	.174	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	.174	.174	0	%100
52	M47	Z	0	0	0	%100
53	M43	X	.608	.608	0	%100
54	M43	Z	0	0	0	%100
55	M44A	X	.608	.608	0	%100
56	M44A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.174	.174	0	%100
2	M1	Z	.1	.1	0	%100
3	M2	X	.174	.174	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M2	Z	.1	.1	0	%100
5	M13	X	.113	.113	0	%100
6	M13	Z	.065	.065	0	%100
7	M14	X	.113	.113	0	%100
8	M14	Z	.065	.065	0	%100
9	M15	X	.113	.113	0	%100
10	M15	Z	.065	.065	0	%100
11	M16	X	.113	.113	0	%100
12	M16	Z	.065	.065	0	%100
13	M17	X	.381	.381	0	%100
14	M17	Z	.22	.22	0	%100
15	M18	X	.381	.381	0	%100
16	M18	Z	.22	.22	0	%100
17	M19	X	.009	.009	0	%100
18	M19	Z	.005	.005	0	%100
19	M20	X	.009	.009	0	%100
20	M20	Z	.005	.005	0	%100
21	M21	X	.038	.038	0	%100
22	M21	Z	.022	.022	0	%100
23	M22	X	.038	.038	0	%100
24	M22	Z	.022	.022	0	%100
25	M23	X	.038	.038	0	%100
26	M23	Z	.022	.022	0	%100
27	M24	X	.038	.038	0	%100
28	M24	Z	.022	.022	0	%100
29	M25	X	.172	.172	0	%100
30	M25	Z	.099	.099	0	%100
31	M26	X	.172	.172	0	%100
32	M26	Z	.099	.099	0	%100
33	M27	X	.117	.117	0	%100
34	M27	Z	.068	.068	0	%100
35	M28	X	.117	.117	0	%100
36	M28	Z	.068	.068	0	%100
37	MP4A	X	.574	.574	0	%100
38	MP4A	Z	.331	.331	0	%100
39	MP3A	X	.574	.574	0	%100
40	MP3A	Z	.331	.331	0	%100
41	MP2A	X	.574	.574	0	%100
42	MP2A	Z	.331	.331	0	%100
43	MP1A	X	.574	.574	0	%100
44	MP1A	Z	.331	.331	0	%100
45	M44	X	.151	.151	0	%100
46	M44	Z	.087	.087	0	%100
47	M45	X	.151	.151	0	%100
48	M45	Z	.087	.087	0	%100
49	M46	X	.151	.151	0	%100
50	M46	Z	.087	.087	0	%100
51	M47	X	.151	.151	0	%100
52	M47	Z	.087	.087	0	%100
53	M43	X	.544	.544	0	%100
54	M43	Z	.314	.314	0	%100
55	M44A	X	.27	.27	0	%100
56	M44A	Z	.156	.156	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.301	.301	0	%100
2	M1	Z	.521	.521	0	%100
3	M2	X	.301	.301	0	%100
4	M2	Z	.521	.521	0	%100
5	M13	X	.022	.022	0	%100
6	M13	Z	.038	.038	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
7	M14	X	.022	.022	0	%100
8	M14	Z	.038	.038	0	%100
9	M15	X	.022	.022	0	%100
10	M15	Z	.038	.038	0	%100
11	M16	X	.022	.022	0	%100
12	M16	Z	.038	.038	0	%100
13	M17	X	.25	.25	0	%100
14	M17	Z	.434	.434	0	%100
15	M18	X	.25	.25	0	%100
16	M18	Z	.434	.434	0	%100
17	M19	X	.036	.036	0	%100
18	M19	Z	.062	.062	0	%100
19	M20	X	.036	.036	0	%100
20	M20	Z	.062	.062	0	%100
21	M21	X	.065	.065	0	%100
22	M21	Z	.113	.113	0	%100
23	M22	X	.065	.065	0	%100
24	M22	Z	.113	.113	0	%100
25	M23	X	.065	.065	0	%100
26	M23	Z	.113	.113	0	%100
27	M24	X	.065	.065	0	%100
28	M24	Z	.113	.113	0	%100
29	M25	X	.104	.104	0	%100
30	M25	Z	.18	.18	0	%100
31	M26	X	.104	.104	0	%100
32	M26	Z	.18	.18	0	%100
33	M27	X	.072	.072	0	%100
34	M27	Z	.125	.125	0	%100
35	M28	X	.072	.072	0	%100
36	M28	Z	.125	.125	0	%100
37	MP4A	X	.331	.331	0	%100
38	MP4A	Z	.574	.574	0	%100
39	MP3A	X	.331	.331	0	%100
40	MP3A	Z	.574	.574	0	%100
41	MP2A	X	.331	.331	0	%100
42	MP2A	Z	.574	.574	0	%100
43	MP1A	X	.331	.331	0	%100
44	MP1A	Z	.574	.574	0	%100
45	M44	X	.087	.087	0	%100
46	M44	Z	.151	.151	0	%100
47	M45	X	.087	.087	0	%100
48	M45	Z	.151	.151	0	%100
49	M46	X	.087	.087	0	%100
50	M46	Z	.151	.151	0	%100
51	M47	X	.087	.087	0	%100
52	M47	Z	.151	.151	0	%100
53	M43	X	.176	.176	0	%100
54	M43	Z	.305	.305	0	%100
55	M44A	X	.018	.018	0	%100
56	M44A	Z	.031	.031	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	.802	.802	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.802	.802	0	%100
5	M13	X	0	0	0	%100
6	M13	Z	0	0	0	%100
7	M14	X	0	0	0	%100
8	M14	Z	0	0	0	%100
9	M15	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M15	Z	0	0	0	%100
11	M16	X	0	0	0	%100
12	M16	Z	0	0	0	%100
13	M17	X	0	0	0	%100
14	M17	Z	.317	.317	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	.317	.317	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	.317	.317	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	.317	.317	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	.174	.174	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	.174	.174	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	.174	.174	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	.174	.174	0	%100
29	M25	X	0	0	0	%100
30	M25	Z	.181	.181	0	%100
31	M26	X	0	0	0	%100
32	M26	Z	.181	.181	0	%100
33	M27	X	0	0	0	%100
34	M27	Z	.181	.181	0	%100
35	M28	X	0	0	0	%100
36	M28	Z	.181	.181	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	.663	.663	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	.663	.663	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	.663	.663	0	%100
43	MP1A	X	0	0	0	%100
44	MP1A	Z	.663	.663	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	.174	.174	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	.174	.174	0	%100
49	M46	X	0	0	0	%100
50	M46	Z	.174	.174	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	.174	.174	0	%100
53	M43	X	0	0	0	%100
54	M43	Z	.056	.056	0	%100
55	M44A	X	0	0	0	%100
56	M44A	Z	.056	.056	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.301	-.301	0	%100
2	M1	Z	.521	.521	0	%100
3	M2	X	-.301	-.301	0	%100
4	M2	Z	.521	.521	0	%100
5	M13	X	-.022	-.022	0	%100
6	M13	Z	.038	.038	0	%100
7	M14	X	-.022	-.022	0	%100
8	M14	Z	.038	.038	0	%100
9	M15	X	-.022	-.022	0	%100
10	M15	Z	.038	.038	0	%100
11	M16	X	-.022	-.022	0	%100
12	M16	Z	.038	.038	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M17	X	-.036	-.036	0	%100
14	M17	Z	.062	.062	0	%100
15	M18	X	-.036	-.036	0	%100
16	M18	Z	.062	.062	0	%100
17	M19	X	-.25	-.25	0	%100
18	M19	Z	.434	.434	0	%100
19	M20	X	-.25	-.25	0	%100
20	M20	Z	.434	.434	0	%100
21	M21	X	-.065	-.065	0	%100
22	M21	Z	.113	.113	0	%100
23	M22	X	-.065	-.065	0	%100
24	M22	Z	.113	.113	0	%100
25	M23	X	-.065	-.065	0	%100
26	M23	Z	.113	.113	0	%100
27	M24	X	-.065	-.065	0	%100
28	M24	Z	.113	.113	0	%100
29	M25	X	-.072	-.072	0	%100
30	M25	Z	.125	.125	0	%100
31	M26	X	-.072	-.072	0	%100
32	M26	Z	.125	.125	0	%100
33	M27	X	-.104	-.104	0	%100
34	M27	Z	.18	.18	0	%100
35	M28	X	-.104	-.104	0	%100
36	M28	Z	.18	.18	0	%100
37	MP4A	X	-.331	-.331	0	%100
38	MP4A	Z	.574	.574	0	%100
39	MP3A	X	-.331	-.331	0	%100
40	MP3A	Z	.574	.574	0	%100
41	MP2A	X	-.331	-.331	0	%100
42	MP2A	Z	.574	.574	0	%100
43	MP1A	X	-.331	-.331	0	%100
44	MP1A	Z	.574	.574	0	%100
45	M44	X	-.087	-.087	0	%100
46	M44	Z	.151	.151	0	%100
47	M45	X	-.087	-.087	0	%100
48	M45	Z	.151	.151	0	%100
49	M46	X	-.087	-.087	0	%100
50	M46	Z	.151	.151	0	%100
51	M47	X	-.087	-.087	0	%100
52	M47	Z	.151	.151	0	%100
53	M43	X	-.018	-.018	0	%100
54	M43	Z	.031	.031	0	%100
55	M44A	X	-.176	-.176	0	%100
56	M44A	Z	.305	.305	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.174	-.174	0	%100
2	M1	Z	.1	.1	0	%100
3	M2	X	-.174	-.174	0	%100
4	M2	Z	.1	.1	0	%100
5	M13	X	-.113	-.113	0	%100
6	M13	Z	.065	.065	0	%100
7	M14	X	-.113	-.113	0	%100
8	M14	Z	.065	.065	0	%100
9	M15	X	-.113	-.113	0	%100
10	M15	Z	.065	.065	0	%100
11	M16	X	-.113	-.113	0	%100
12	M16	Z	.065	.065	0	%100
13	M17	X	-.009	-.009	0	%100
14	M17	Z	.005	.005	0	%100
15	M18	X	-.009	-.009	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M20	X	-.194	-.194	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	M23	X	0	0	0	%100
26	M23	Z	0	0	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	M25	X	-.163	-.163	0	%100
30	M25	Z	0	0	0	%100
31	M26	X	-.163	-.163	0	%100
32	M26	Z	0	0	0	%100
33	M27	X	-.163	-.163	0	%100
34	M27	Z	0	0	0	%100
35	M28	X	-.163	-.163	0	%100
36	M28	Z	0	0	0	%100
37	MP4A	X	-.663	-.663	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-.663	-.663	0	%100
40	MP3A	Z	0	0	0	%100
41	MP2A	X	-.663	-.663	0	%100
42	MP2A	Z	0	0	0	%100
43	MP1A	X	-.663	-.663	0	%100
44	MP1A	Z	0	0	0	%100
45	M44	X	-.174	-.174	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	-.174	-.174	0	%100
48	M45	Z	0	0	0	%100
49	M46	X	-.174	-.174	0	%100
50	M46	Z	0	0	0	%100
51	M47	X	-.174	-.174	0	%100
52	M47	Z	0	0	0	%100
53	M43	X	-.608	-.608	0	%100
54	M43	Z	0	0	0	%100
55	M44A	X	-.608	-.608	0	%100
56	M44A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.174	-.174	0	%100
2	M1	Z	-.1	-.1	0	%100
3	M2	X	-.174	-.174	0	%100
4	M2	Z	-.1	-.1	0	%100
5	M13	X	-.113	-.113	0	%100
6	M13	Z	-.065	-.065	0	%100
7	M14	X	-.113	-.113	0	%100
8	M14	Z	-.065	-.065	0	%100
9	M15	X	-.113	-.113	0	%100
10	M15	Z	-.065	-.065	0	%100
11	M16	X	-.113	-.113	0	%100
12	M16	Z	-.065	-.065	0	%100
13	M17	X	-.381	-.381	0	%100
14	M17	Z	-.22	-.22	0	%100
15	M18	X	-.381	-.381	0	%100
16	M18	Z	-.22	-.22	0	%100
17	M19	X	-.009	-.009	0	%100
18	M19	Z	-.005	-.005	0	%100
19	M20	X	-.009	-.009	0	%100
20	M20	Z	-.005	-.005	0	%100
21	M21	X	-.038	-.038	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M21	Z	-.022	-.022	0	%100
23	M22	X	-.038	-.038	0	%100
24	M22	Z	-.022	-.022	0	%100
25	M23	X	-.038	-.038	0	%100
26	M23	Z	-.022	-.022	0	%100
27	M24	X	-.038	-.038	0	%100
28	M24	Z	-.022	-.022	0	%100
29	M25	X	-.172	-.172	0	%100
30	M25	Z	-.099	-.099	0	%100
31	M26	X	-.172	-.172	0	%100
32	M26	Z	-.099	-.099	0	%100
33	M27	X	-.117	-.117	0	%100
34	M27	Z	-.068	-.068	0	%100
35	M28	X	-.117	-.117	0	%100
36	M28	Z	-.068	-.068	0	%100
37	MP4A	X	-.574	-.574	0	%100
38	MP4A	Z	-.331	-.331	0	%100
39	MP3A	X	-.574	-.574	0	%100
40	MP3A	Z	-.331	-.331	0	%100
41	MP2A	X	-.574	-.574	0	%100
42	MP2A	Z	-.331	-.331	0	%100
43	MP1A	X	-.574	-.574	0	%100
44	MP1A	Z	-.331	-.331	0	%100
45	M44	X	-.151	-.151	0	%100
46	M44	Z	-.087	-.087	0	%100
47	M45	X	-.151	-.151	0	%100
48	M45	Z	-.087	-.087	0	%100
49	M46	X	-.151	-.151	0	%100
50	M46	Z	-.087	-.087	0	%100
51	M47	X	-.151	-.151	0	%100
52	M47	Z	-.087	-.087	0	%100
53	M43	X	-.544	-.544	0	%100
54	M43	Z	-.314	-.314	0	%100
55	M44A	X	-.27	-.27	0	%100
56	M44A	Z	-.156	-.156	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.301	-.301	0	%100
2	M1	Z	-.521	-.521	0	%100
3	M2	X	-.301	-.301	0	%100
4	M2	Z	-.521	-.521	0	%100
5	M13	X	-.022	-.022	0	%100
6	M13	Z	-.038	-.038	0	%100
7	M14	X	-.022	-.022	0	%100
8	M14	Z	-.038	-.038	0	%100
9	M15	X	-.022	-.022	0	%100
10	M15	Z	-.038	-.038	0	%100
11	M16	X	-.022	-.022	0	%100
12	M16	Z	-.038	-.038	0	%100
13	M17	X	-.25	-.25	0	%100
14	M17	Z	-.434	-.434	0	%100
15	M18	X	-.25	-.25	0	%100
16	M18	Z	-.434	-.434	0	%100
17	M19	X	-.036	-.036	0	%100
18	M19	Z	-.062	-.062	0	%100
19	M20	X	-.036	-.036	0	%100
20	M20	Z	-.062	-.062	0	%100
21	M21	X	-.065	-.065	0	%100
22	M21	Z	-.113	-.113	0	%100
23	M22	X	-.065	-.065	0	%100
24	M22	Z	-.113	-.113	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
25	M23	X	-065	-065	0	%100
26	M23	Z	-113	-113	0	%100
27	M24	X	-065	-065	0	%100
28	M24	Z	-113	-113	0	%100
29	M25	X	-104	-104	0	%100
30	M25	Z	-18	-18	0	%100
31	M26	X	-104	-104	0	%100
32	M26	Z	-18	-18	0	%100
33	M27	X	-072	-072	0	%100
34	M27	Z	-125	-125	0	%100
35	M28	X	-072	-072	0	%100
36	M28	Z	-125	-125	0	%100
37	MP4A	X	-331	-331	0	%100
38	MP4A	Z	-574	-574	0	%100
39	MP3A	X	-331	-331	0	%100
40	MP3A	Z	-574	-574	0	%100
41	MP2A	X	-331	-331	0	%100
42	MP2A	Z	-574	-574	0	%100
43	MP1A	X	-331	-331	0	%100
44	MP1A	Z	-574	-574	0	%100
45	M44	X	-087	-087	0	%100
46	M44	Z	-151	-151	0	%100
47	M45	X	-087	-087	0	%100
48	M45	Z	-151	-151	0	%100
49	M46	X	-087	-087	0	%100
50	M46	Z	-151	-151	0	%100
51	M47	X	-087	-087	0	%100
52	M47	Z	-151	-151	0	%100
53	M43	X	-176	-176	0	%100
54	M43	Z	-305	-305	0	%100
55	M44A	X	-018	-018	0	%100
56	M44A	Z	-031	-031	0	%100

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(...
1	Antenna D	None					30		
2	Antenna Di	None					30		
3	Antenna Wo (0 Deg)	None					30		
4	Antenna Wo (30 Deg)	None					30		
5	Antenna Wo (60 Deg)	None					30		
6	Antenna Wo (90 Deg)	None					30		
7	Antenna Wo (120 Deg)	None					30		
8	Antenna Wo (150 Deg)	None					30		
9	Antenna Wo (180 Deg)	None					30		
10	Antenna Wo (210 Deg)	None					30		
11	Antenna Wo (240 Deg)	None					30		
12	Antenna Wo (270 Deg)	None					30		
13	Antenna Wo (300 Deg)	None					30		
14	Antenna Wo (330 Deg)	None					30		
15	Antenna Wi (0 Deg)	None					30		
16	Antenna Wi (30 Deg)	None					30		
17	Antenna Wi (60 Deg)	None					30		
18	Antenna Wi (90 Deg)	None					30		
19	Antenna Wi (120 Deg)	None					30		
20	Antenna Wi (150 Deg)	None					30		
21	Antenna Wi (180 Deg)	None					30		
22	Antenna Wi (210 Deg)	None					30		
23	Antenna Wi (240 Deg)	None					30		
24	Antenna Wi (270 Deg)	None					30		
25	Antenna Wi (300 Deg)	None					30		
26	Antenna Wi (330 Deg)	None					30		



Load Combinations (Continued)

	Description	So...	PDelta	S...	B...	Fac...B...	Fac...B...	Fac...B...	Fac...B...	Fac...B...	Fac...B...	Fac...B...	Fac...B...	Fac...B...	Fac...B...	Fac...B...	Fac...B...
5	1.2D+1.0Wo (120 ...	Yes	Y		1	1.2	39	1.2	7	1	45	1					
6	1.2D+1.0Wo (150 ...	Yes	Y		1	1.2	39	1.2	8	1	46	1					
7	1.2D+1.0Wo (180 ...	Yes	Y		1	1.2	39	1.2	9	1	47	1					
8	1.2D+1.0Wo (210 ...	Yes	Y		1	1.2	39	1.2	10	1	48	1					
9	1.2D+1.0Wo (240 ...	Yes	Y		1	1.2	39	1.2	11	1	49	1					
10	1.2D+1.0Wo (270 ...	Yes	Y		1	1.2	39	1.2	12	1	50	1					
11	1.2D+1.0Wo (300 ...	Yes	Y		1	1.2	39	1.2	13	1	51	1					
12	1.2D+1.0Wo (330 ...	Yes	Y		1	1.2	39	1.2	14	1	52	1					
13	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1	
14	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1	
15	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1	
16	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1	
17	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1	
18	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1	
19	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1	
20	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1	
21	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1	
22	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1	
23	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1	
24	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1	
25	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1			
26	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1			
27	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1			
28	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1			
29	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1			
30	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1			
31	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1			
32	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1			
33	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1			
34	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1			
35	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1			
36	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1			
37	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1			
38	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1			
39	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1			
40	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1			
41	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1			
42	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1			
43	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1			
44	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1			
45	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1			
46	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1			
47	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1			
48	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1			
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5							
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5							
51	1.4D	Yes	Y		1	1.4	39	1.4									
52	Seismic Mass		Y		1	1	39	1									
53	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1			
54	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866			
55	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5			
56	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ				
57	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5			
58	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866			
59	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1			
60	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866			
61	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5			
62	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ				
63	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5			
64	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866			



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	N35	max	530.726	50	881.817	13	1477.605	1	-.12	7	0	51	.103	50
2		min	-1344.429	29	389.702	7	-516.119	7	-.395	13	0	1	-.253	27
3	N36	max	1385.11	9	885.461	19	350.814	1	-.128	1	0	51	.101	50
4		min	-1183.59	3	332.896	1	-1094.989	1	-.381	19	0	1	-.245	27
5	N63	max	430.031	2	53.127	2	1465.391	2	0	51	0	51	0	51
6		min	-460.654	8	-34.538	8	-1574.042	8	0	1	0	1	0	1
7	N64	max	333.976	6	40.683	12	1041.771	12	0	51	0	51	0	51
8		min	-301.868	12	-22.157	6	-1151.406	6	0	1	0	1	0	1
9	Totals:	max	1361.338	10	1786.27	15	2097.32	1						
10		min	-1361.338	4	836.779	9	-2097.32	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	phi*Mn	Cb	Eqn
1	MP4A	PIPE 2.0	.396	2.333	33	.053	2.417	30	14916.0...	32130	1.872	1.872	4...	H1-1b
2	M23	PL5/8X3.5	.390	.531	26	.070	.531	y 1	67591.76	68906.25	.897	5.024	1...	H1-1b
3	M21	PL5/8X3.5	.369	.531	25	.064	.443	y 11	67591.76	68906.25	.897	5.024	1...	H1-1b
4	M1	PIPE 2.5	.260	3.776	26	.074	8.724	42	14558.7...	50715	3.596	3.596	2...	H1-1b
5	M2	PIPE 2.5	.246	3.776	30	.119	9.245	8	14558.7...	50715	3.596	3.596	2...	H1-1b
6	M24	PL5/8X3.5	.245	.531	48	.073	.531	y 1	67591.76	68906.25	.897	5.024	1...	H1-1b
7	M14	PL5/8X3.5	.244	0	27	.125	.422	y 2	66184.77	68906.25	.897	5.024	1...	H1-1b
8	M20	PIPE 2.0	.243	0	9	.060	0	9	31128.25	32130	1.872	1.872	1...	H1-1b
9	M22	PL5/8X3.5	.223	.531	38	.071	0	y 9	67591.76	68906.25	.897	5.024	1...	H1-1b
10	MP1A	PIPE 2.0	.218	5.667	50	.031	2.333	4	14916.0...	32130	1.872	1.872	4...	H1-1b
11	M17	PIPE 2.0	.191	0	11	.066	0	29	31128.25	32130	1.872	1.872	2...	H1-1b
12	M13	PL5/8X3.5	.185	0	27	.189	.422	y 11	66184.77	68906.25	.897	5.024	1...	H1-1b
13	M16	PL5/8X3.5	.181	.422	2	.253	.422	y 9	66184.77	68906.25	.897	5.024	1...	H1-1b
14	MP2A	PIPE 2.0	.178	2.333	3	.096	5.667	2	14916.0...	32130	1.872	1.872	3...	H1-1b
15	MP3A	PIPE 2.0	.162	2.333	9	.062	4.083	3	14916.0...	32130	1.872	1.872	3...	H1-1b
16	M15	PL5/8X3.5	.162	0	44	.133	.422	y 12	66184.77	68906.25	.897	5.024	1...	H1-1b
17	M19	PIPE 2.0	.130	0	12	.057	0	48	31128.25	32130	1.872	1.872	1...	H1-1b
18	M18	PIPE 2.0	.122	0	2	.079	0	25	31128.25	32130	1.872	1.872	1...	H1-1b
19	M47	SR 0.625	.077	1.667	2	.013	0	31	2158.269	9664.074	.101	.101	1...	H1-1b
20	M26	SR 0.75	.077	0	27	.022	4.167	3	2950.23	13923	.179	.179	1...	H1-1b*
21	M44A	PIPE 2.0	.066	5.201	2	.003	0	9	23229.2...	32130	1.872	1.872	1...	H1-1b*
22	M46	SR 0.625	.055	1.667	6	.023	0	3	2158.269	9664.074	.101	.101	1...	H1-1b
23	M44	SR 0.625	.054	1.667	11	.015	0	26	2158.269	9664.074	.101	.101	1...	H1-1b
24	M45	SR 0.625	.051	1.667	9	.020	0	9	2158.269	9664.074	.101	.101	1...	H1-1b
25	M28	SR 0.75	.051	4.167	44	.017	0	11	2950.23	13923	.179	.179	1...	H1-1b*
26	M43	PIPE 2.0	.047	5.201	12	.003	0	5	23229.4...	32130	1.872	1.872	1...	H1-1b*
27	M27	SR 0.75	.002	4.167	27	.007	4.167	8	2950.23	13923	.179	.179	1...	H1-1b*
28	M25	SR 0.75	.000	0	51	.012	0	30	2950.23	13923	.179	.179	1...	H1-1a

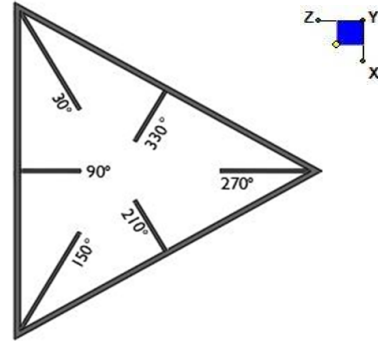
Client:	VERIZON WIRELESS	Date:	8/23/2021
Site Name:	N STONINGTON CT		
Project No.	21777026A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N35	90
N36	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):

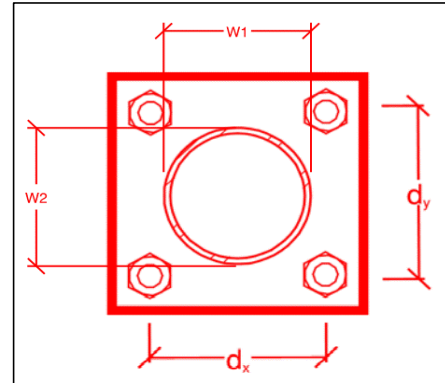
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
9.5
3.5
A307
0.625
4.0
2.2
10.0
6.0
10.0%*
9.2%



*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**

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.vzsmart.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.

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: Guyed
 Mount Elev: 184.00

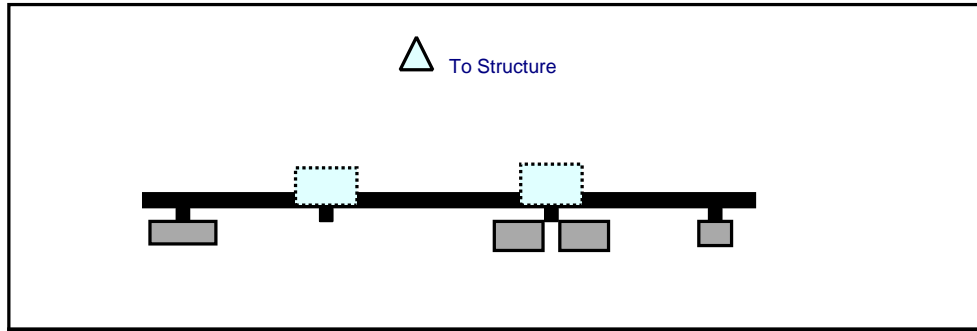
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8/23/2021

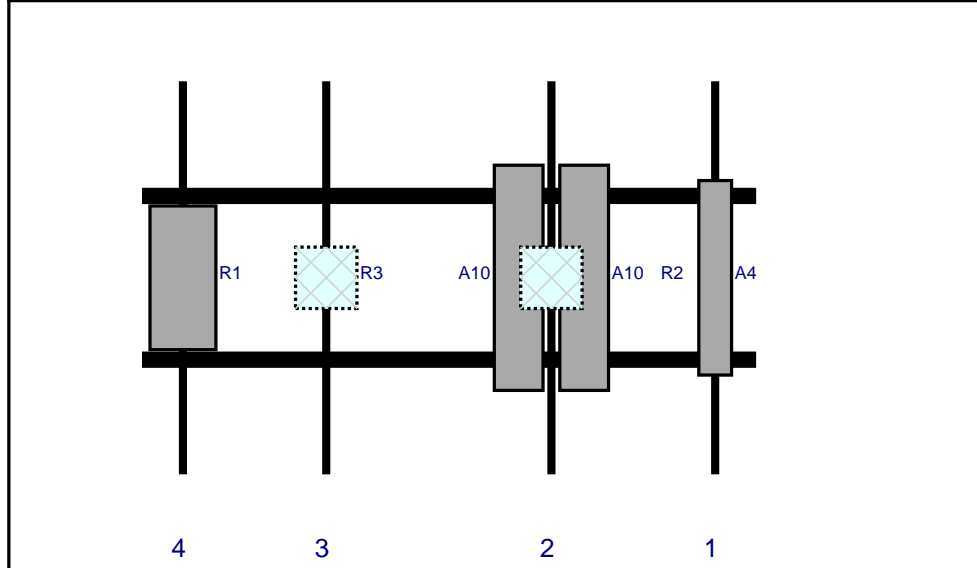
Page: 1



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
A4	BXA-80080-4CF-EDIN	47.5	8	140	1	a	Front	48	0	Retained	02/13/2021
A10	SBNHH-1D65A	55	11.9	100	2	a	Front	48	8	Retained	
A10	SBNHH-1D65A	55	11.9	100	2	b	Front	48	-8	Retained	
R2	RF4439d-25A	15	15	100	2	a	Behind	48	0	Added	
R3	RF4440d-13A	15	15	45	3	a	Behind	48	0	Added	
R1	MT6407-77A	35.1	16.1	10	4	a	Front	48	0	Added	

Sector: B
 Structure Type: Guyed
 Mount Elev: 184.00

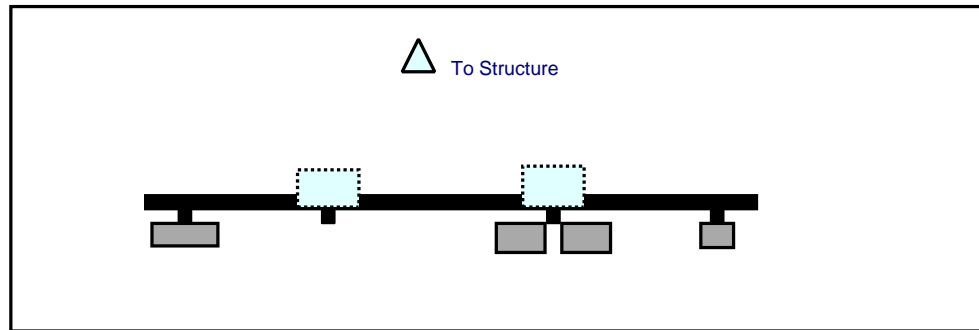
10095384

8/23/2021

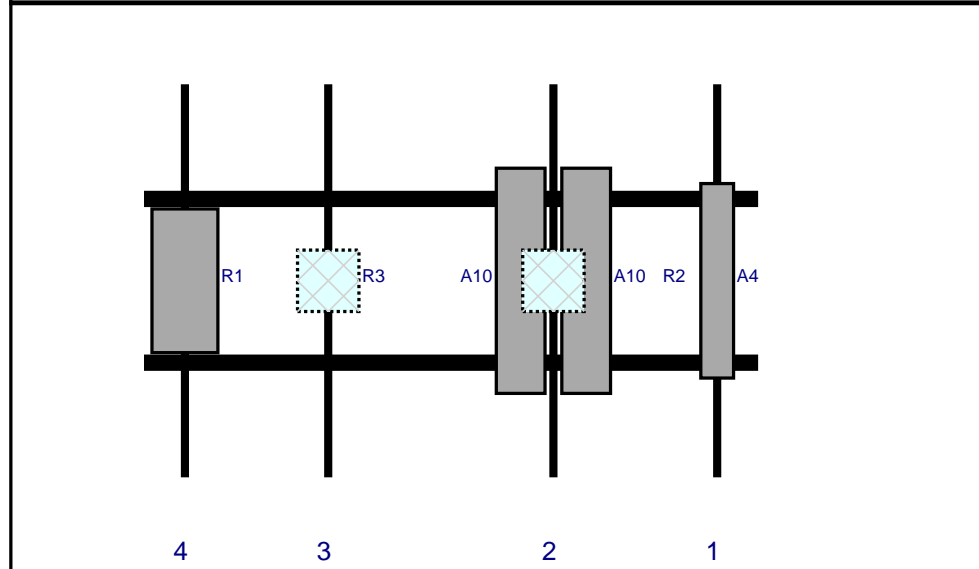
Page: 2



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
A4	BXA-80080-4CF-EDIN	47.5	8	140	1	a	Front	48	0	Retained	02/13/2021
A10	SBNHH-1D65A	55	11.9	100	2	a	Front	48	8	Retained	
A10	SBNHH-1D65A	55	11.9	100	2	b	Front	48	-8	Retained	
R2	RF4439d-25A	15	15	100	2	a	Behind	48	0	Added	
R3	RF4440d-13A	15	15	45	3	a	Behind	48	0	Added	
R1	MT6407-77A	35.1	16.1	10	4	a	Front	48	0	Added	

Sector: C
 Structure Type: Guyed
 Mount Elev: 184.00

10095384

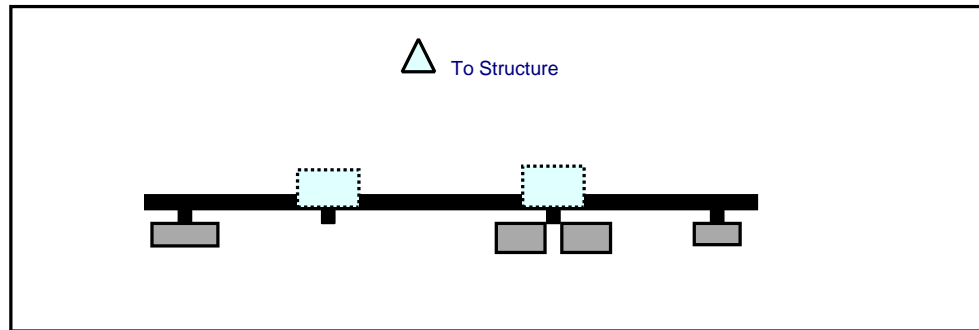
8/23/2021

Page: 3

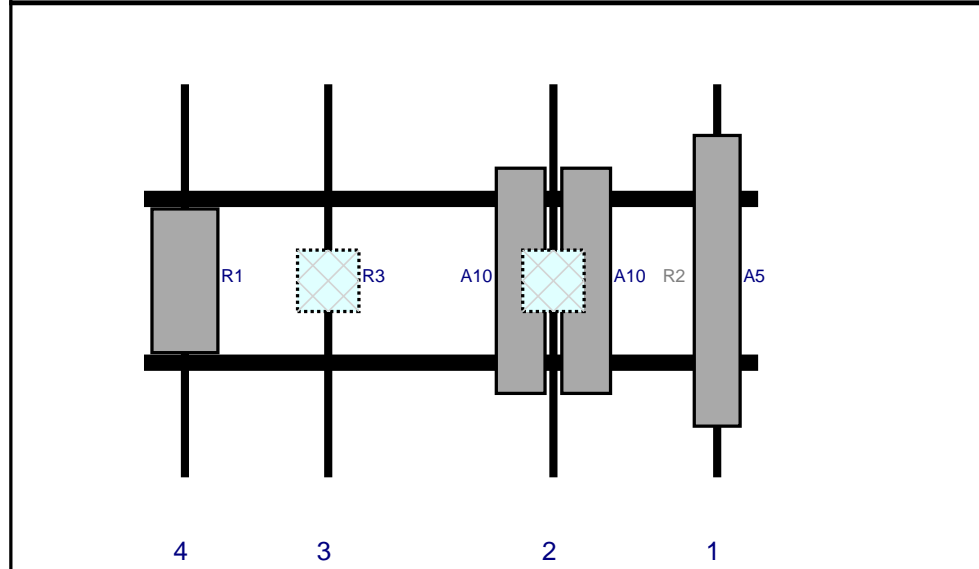


MASER CONSULTING
 —CONNECTICUT—

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
A5	BXA-80063-6CF	71	11.2	140	1	a	Front	48	0	Retained	02/13/2021
A10	SBNHH-1D65A	55	11.9	100	2	a	Front	48	8	Retained	
A10	SBNHH-1D65A	55	11.9	100	2	b	Front	48	-8	Retained	
R2	RF4439d-25A	15	15	100	2	a	Behind	48	0	Added	
R3	RF4440d-13A	15	15	45	3	a	Behind	48	0	Added	
R1	MT6407-77A	35.1	16.1	10	4	a	Front	48	0	Added	

Site Information

Site ID: 468207-VZW / N STONINGTON CT
Site Name: N STONINGTON CT
Carrier Name: Verizon Wireless
Address: 118B Wintechog Hill Rd.
North Stonington, Connecticut 06359
New London County
Latitude: 41.460833°
Longitude: -71.928889°

Structure Information

Tower Type: 350-Ft Guyed
Mount Type: 12.50-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.

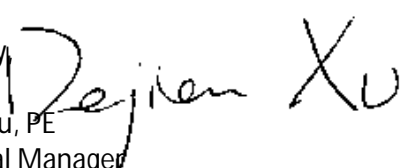
The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

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 map 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 method, seismic analysis, 30-degree increment wind direction and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Dejian Xu, PE
Technical Manager



Site Name: **N STONINGTON CT**

Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm ²)	(mW/cm ²)	(%)
VZW 700	751	4	511	2044	184	0.0022	0.5007	0.43%
VZW CDMA	877.26	2	489	977	184	0.0010	0.5848	0.18%
VZW Cellular	874	4	554	2216	184	0.0024	0.5827	0.40%
VZW PCS	1977.5	4	1157	4628	184	0.0049	1.0000	0.49%
VZW AWS	2120	4	1190	4761	184	0.0051	1.0000	0.51%
VZW CBAND	3730.08	4	6531	26125	184	0.0278	1.0000	2.78%

Total Percentage of Maximum Permissible Exposure

4.79%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

MHz = Megahertz

mW/cm² = milliwatts per square centimeter

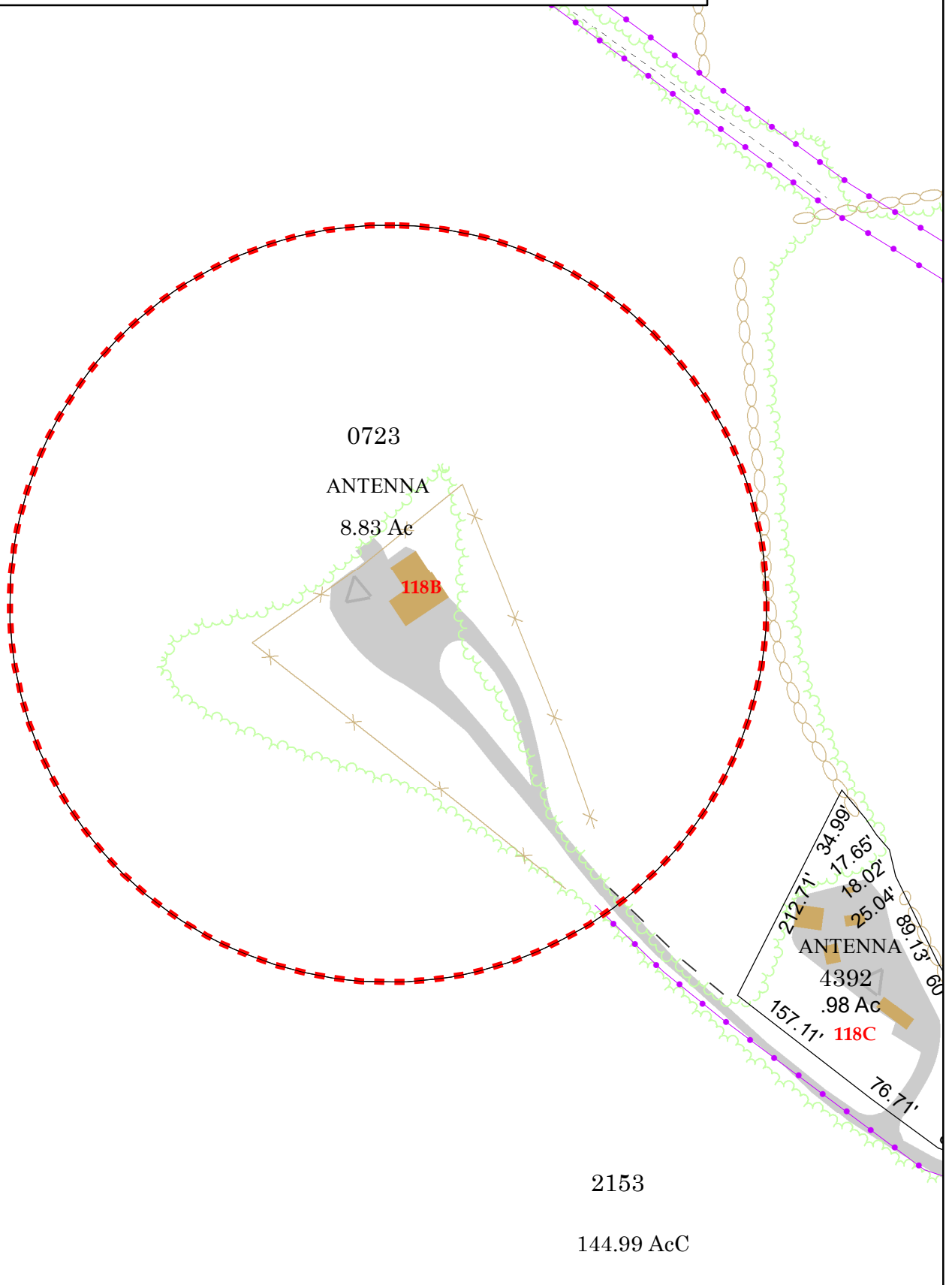
ERP = Effective Radiated Power

Absolute worst case maximum values used.

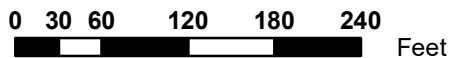
Town of North Stonington, Connecticut - Assessment Parcel Map

Parcel: 93-0723

Address: 118B WINTECHOG HL



Approximate Scale: 1:1,600



Map Produced
June 2020

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

Town of North Stonington, CT

Property Listing Report

Map Block Lot **93 0723**

Building # **1** Unique Identifier **S3715000**

Property Information

Property Location	118B WINTECHOG HL
Mailing Address	ONE COMCAST CENTER - 32ND FLOOR PHILADELPHIA PA 19103
Land Use	Radio/TV Trans
Zoning Code	R80
Neighborhood	I90

Owner	STORER COMM OF GROTON INC
Co-Owner	
Book / Page	0055/0911
Land Class	Industrial
Census Tract	7071
Acreage	8.83

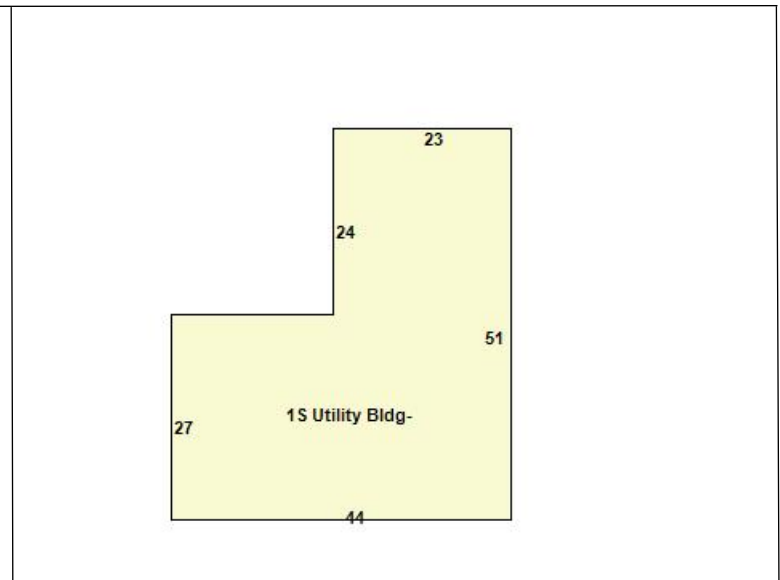
Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	120500	84350
Outbuildings	27600	19320
Land	304600	213220
Total	452700	316890

Utility Information

Electric	NA
Gas	NA
Sewer	NA
Public Water	NA
Well	NA



Primary Construction Details

Year Built	1973
Building Desc.	Commercial
Building Style	
Stories	1
Exterior Walls	Concr/Cinder
Exterior Walls 2	
Interior Walls	None/Minumum
Interior Walls 2	
Interior Floors 1	Concrete
Interior Floors 2	

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

Building Use	Utility Building
Building Condition	Average
Frame Type	C
Fireplaces	0
Bsmt Gar	0
Fin Bsmt Area	0
Fin Bsmt Quality	
Building Grade	0
Roof Style	Flat
Roof Cover	Tar and Gravel

Report Created On

10/20/2021

Town of North Stonington, CT

Property Listing Report

Map Block Lot

93 0723

Building #

1

Unique Identifier

S3715000

Detached Outbuildings

Type	Description	Area (sq ft)	Condition	Year Built
Utility	Building	192	Good	1990
Fence	6 Ft Chain	470	Average	1990
Utility	Building	96	Average	2015

Attached Extra Features

Type	Description	Area (sq ft)	Condition	Year Built

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
STORER COMM OF GROTON INC	0055_0911	1/5/1981	0