



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

February 10, 2022

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

**RE: Notice of Exempt Modification // Site: ROCKY HILL IV CT (ATC: 302479)
699 West Street Rocky Hill, CT 06067
N 41.6518 // W 72.6685**

Dear Ms. Bachman,

Cellco Partnership d/b/a Verizon Wireless currently maintains 12 antennas at the 90-ft level on the existing 100-foot monopole tower, located at 699 West Street Rocky Hill, CT. The tower is owned by American Tower. The property is also owned by The Connecticut Light and Power Co. The Council approved Verizon Wireless use of the existing tower in 2008. Verizon Wireless now intends to remove 3 antennas and install 3 new ones for the LTE (3700 MHz) replacements for its 5G upgrade. Additionally, Verizon Wireless will remove 6 Remote Radio Heads (RRHs) and install with 12 new RRHs, remove 1 OVPs and install with 1 new OVP, and remove (2) Non Li- Hybrid Cables and replace with (2) 6x12 1-5/8" Hybrid Cables; 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 Lisa Marotta, Mayor of Rocky Hill, its Zoning Enforcement Officer, Kim Ricci, the tower owner, American Tower, and the property owner, The Connecticut Light and Power Co.

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 August 9, 2021, by Dewberry Engineers, Inc., a structural analysis dated June 14, 2021, by A.T. Engineering, PLLC., and a structural mount analysis by Maser Consulting Connecticut date July 9, 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 A.T. Engineering, PLLC, dated June 14, 2021, and a structural mount analysis by Maser Consulting Connecticut, dated July 9, 2021, pursuant to certain conditions defined therein. Design and engineering is fully illustrated within final construction drawings, signed and stamped dated August 9, 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

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

Attachments

cc: Lisa Marotta, Mayor of Rocky Hill – Chief Elected Official
Mary Ann Chinatti, Town Planner of Plainfield - as P&Z official
American Tower Corporation - as tower owner
The Connecticut Light and Power Co. - as ground owner

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WEST BRIDGEWATER ,MA 02379

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1 OF 1

1 LBS

SHIP TO:
LISA MAROTTA AND KIM RICCI
TOWN OF ROCKY HILL
761 OLD MAIN ST
ROCKY HILL CT 06067-1519

CT 061 9-02

UPS GROUND

TRACKING #: 1Z 9Y4 503 03 0390 8617

BILLING: P/P

Reference # 1: 302479
Reference # 2: Rkhl - Rocky Hill
CS22018 WNTNV50 35-0A 08/2021 *

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SHIP TO:
LAND MANAGEMENT
7814287250
AMERICAN TOWER CORPORATION
10 PRESIDENTIAL WAY
WOBURN MA 01801-1053

5 LBS

1 OF 1

MA 018 9-04

UPS GROUND

TRACKING #: 1Z 9Y4 503 03 3888 3267

BILLING: P/P

CS 22.0.18. WNTNV50 33.0A 08/2021*

Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

Tracking Number

1Z9Y45030338883267

Weight

5.00 LBS

Service

UPS Ground

Shipped / Billed On

08/27/2021

Delivered On

10/14/2021 11:19 A.M.

Delivered To

WOBURN, MA, US

Received By

ANCRI

Left At

Front Desk

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Sincerely,

UPS

Tracking results provided by UPS: 01/26/2022 4:31 P.M. EST

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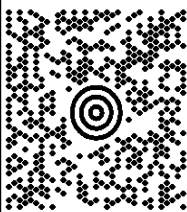
FOLD HERE

1 OF 1

1 LBS

SHIP TO:
THE CONNECTICUT LIGHT AND POWER CO
699 WEST STREET
ROCKY HILL CT 06067-3413

MIJUMALI
9785687906
CENTERLINE COMMUNICATIONS, LLC
750 WEST CENTER STREET
WEST BRIDGEWATER MA 02379



CT 061 9-02



UPS GROUND

TRACKING #: 1Z 9Y4 503 03 0563 3624



BILLING: P/P

Reference # 1: 302479
Reference # 2: Rkhl - Rocky Hill
CS22018 WNTNV50 35-0A 08/2021 *



Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

Tracking Number

1Z9Y45030305633624

Weight

1.00 LBS

Service

UPS Ground

Shipped / Billed On

08/31/2021

Delivered On

10/25/2021 9:46 A.M.

Delivered To

WEST BRIDGEWATER, MA, US

Received By

KILGALLON

Left At

Receiver

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Sincerely,

UPS

Tracking results provided by UPS: 01/27/2022 11:41 A.M. EST



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usps.com 9405 5036 9930 0149 1928 70 0087 0001 0020 6141
\$8.70
US POSTAGE



01/28/2022 1 lb 0 oz Mailed from 02379

PRIORITY MAIL 2-DAY™

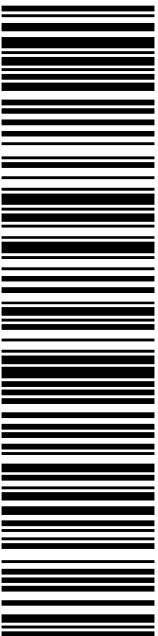
CENTERLINE COMMUNICATIONS Expected Delivery Date: 01/31/22
CENTERLINE COMMUNICATIONS LLC Ref#: 302479
750 W CENTER ST STE 301 0004
W BRIDGEWATER MA 02379-1545

B060

SHIP
TO:

THE CONNECTICUT POWER & LIGHT CO.
PO BOX 270
HARTFORD CT 06141-0270

USPS TRACKING #



9405 5036 9930 0149 1928 70

Electronic Rate Approved #038555749

Cut on dotted line.



Track Another Package +

Tracking Number: 9405503699300149192870

Remove X

Your item has been delivered and is available at a PO Box at 6:56 am on February 2, 2022 in HARTFORD, CT 06141.

USPS Tracking Plus™ Available ✓

✓ Delivered, PO Box

February 2, 2022 at 6:56 am
HARTFORD, CT 06141

Feedback

Get Updates ✓

Text & Email Updates	✓
Tracking History	^
February 2, 2022, 6:56 am Delivered, PO Box HARTFORD, CT 06141 Your item has been delivered and is available at a PO Box at 6:56 am on February 2, 2022 in HARTFORD, CT 06141.	
February 2, 2022, 6:56 am Arrived at Post Office HARTFORD, CT 06101	

February 1, 2022, 9:31 pm
Departed USPS Regional Facility
SPRINGFIELD MA NETWORK DISTRIBUTION CENTER

February 1, 2022
In Transit to Next Facility

January 31, 2022, 10:42 pm
Arrived at USPS Regional Facility
SPRINGFIELD MA NETWORK DISTRIBUTION CENTER

January 31, 2022, 8:50 pm
Departed USPS Regional Facility
BOSTON MA DISTRIBUTION CENTER

January 31, 2022, 5:41 pm
Arrived at USPS Regional Origin Facility
BOSTON MA DISTRIBUTION CENTER

January 31, 2022, 4:26 pm
Accepted at USPS Origin Facility
WEST BRIDGEWATER, MA 02379

January 27, 2022
Pre-Shipment Info Sent to USPS, USPS Awaiting Item

Feedback

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Product Information



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FAQs

DOCKET NO. 151 - An application of
Springwich Cellular Limited Partnership
for a Certificate of Environmental
Compatibility and Public Need for the
construction, maintenance, and operation
of a cellular telephone telecommunications
tower, associated equipment, and building
in the Town of Rocky Hill, Connecticut.
The facility is proposed to be constructed
on property owned by the Connecticut Light
and Power Company (CL&P) located on
West Street, adjacent to the CL&P substation
at Exit 23 off Route 91.

Connecticut

Siting

Council

August 18, 1992

DECISION AND ORDER

Pursuant to the foregoing Findings of Fact, and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a cellular telecommunications tower and equipment building at the proposed Town of Rocky Hill, Connecticut, site including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need as provided by section 16-50k of the Connecticut General Statutes (CGS), be issued to the Springwich Cellular Limited Partnership (Springwich), for the construction, operation, and maintenance of a cellular telecommunications tower, associated equipment, and building within property owned by Connecticut Light and Power Company (CL&P), adjacent to the existing CL&P Rocky Hill Substation located on West Street, Rocky Hill, Connecticut.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The self-supporting monopole tower shall be no taller than necessary to provide the proposed communications service and in no event shall the tower exceed a total height of 120 feet above ground level, with antennas and appurtenances.
2. The Certificate holder shall prepare a Development and Management (D&M) plan for this site in compliance with sections 16-50-j-75 through 16-50j-77 of the Regulations of State Agencies. The D&M plan shall include detailed plans of the tower, tower foundation, tower pedestal, equipment building, access road, utility line trench, and security fence. In addition, the D&M plan shall include detailed plans for a facility designed to occupy an area as compact as possible with techniques to minimize vegetation

clearing; a site plan orienting the facility, access road, and utilities to avoid drainage areas; and detailed plans for drainage, erosion, and sedimentation controls consistent with the Connecticut Guidelines for Erosion and Sedimentation Control. The plan shall be submitted to the Council for approval prior to the commencement of proposed clearing and construction; however, selective removal of vegetation will be allowed to permit reconnaissance necessary to prepare this plan.

3. The Certificate Holder shall comply with any existing and future radio frequency (RF) standard promulgated by State or federal regulatory agencies. Upon the establishment of any new governmental RF standards, the facility granted herein shall be brought into compliance with such standards.
4. The Certificate Holder shall provide the Council a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels originally calculated and provided in the application.
5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
6. If the facility does not initially provide, or permanently ceases to provide cellular or other services following completion of construction, this Decision and Order shall be void, and the tower and all associated equipment shall be dismantled and removed or reapplication for any continued or new use shall be made to the Council before any such use is made.
7. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the effective date of this Decision and Order or within three years after all appeals to this Decision and Order have been resolved.

Pursuant to CGS section 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in the Hartford Courant.

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 party and intervenor to this proceeding are:

PARTY

The Springwich Cellular
Limited Partnership
555 Long Wharf Drive
New Haven, CT 06506

ITS REPRESENTATIVE

Peter J. Tyrrell
Senior Attorney
SNET Cellular, Inc.
227 Church Street
Room 1021
New Haven, CT 06506
(203) 771-7381

INTERVENOR

Metro Mobile CTS, Inc.

ITS REPRESENTATIVE

Christopher Foster
Robinson and Cole
One Commercial Plaza
Hartford, CT 06103-3597
(203) 275-8200

TEF/bd

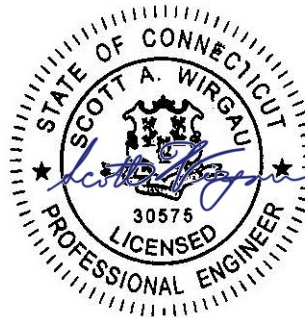
6330E



AMERICAN TOWER®
C O R P O R A T I O N

Structural Analysis Report

Structure : 100 ft Monopole
ATC Site Name : Rkhl - Rocky Hill, CT
ATC Asset Number : 302479
Engineering Number : 13678056_C3_02
Proposed Carrier : VERIZON WIRELESS
Carrier Site Name : ROCKY HILL IV CT
Carrier Site Number : 535833
Site Location : 699 West Street
Rocky Hill, CT 06067-1924
41.651800,-72.668500
County : Hartford
Date : June 14, 2021
Max Usage : 76%
Result : Pass



Prepared By:
Lyle Morin
Structural Engineer I

Reviewed By:

COA: PEC.0001553



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Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 100 ft monopole to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower Drawings	ITT Meyer Type D, AT&T Technologies #AT-8935, dated April 13, 1984 Mapping by Hightower Solutions, Project #1981, dated August 9, 2007
Foundation Drawing	SNET Site: Rocky Hill, Conn, dated November 12, 1991
Geotechnical Report	S&ME Job #1261-08-049Q, dated April 24, 2008
Modifications	ATC Engineering #40737338, dated May 5, 2008

Analysis

The tower was analyzed using American Tower Corporation's tower analysis software. This program considers an elastic three-dimensional model and second-order effects per ANSI/TIA-222.

Basic Wind Speed:	118 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1 1/2" radial ice concurrent
Code:	ANSI/TIA-222-H / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Crest Height (H):	0 ft
Spectral Response:	$S_s = 0.20$, $S_1 = 0.05$
Site Class:	D - Stiff Soil

Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

Existing and Reserved Equipment

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
105.0	3	CCI HPA-65R-BUU-H6	Platform with Handrails	(12) 1 1/4" Coax (2) 0.39" (10mm) Fiber Trunk (4) 0.78" (19.7mm) 8 AWG 6 (2) 3" conduit	AT&T MOBILITY
	12	Powerwave Allgon 7020.00 Dual Band RET			
103.0	3	Powerwave Allgon 7770.00			
	3	Quintel QS66512-2			
100.0	6	Powerwave Allgon LGP21401			
	6	Kaelus DBC0061F1V51-2			
	2	Raycap DC6-48-60-18-8F (23.5" Height)			
	3	Ericsson RRUS 32 (55.1 lbs)			
	3	Ericsson RRUS 32 B66			
	3	Ericsson RRUS 11 (Band 12)			
	3	Ericsson RRUS 32 B2			
90.0	6	Andrew SBNHH-1D65B	Low Profile Platform	(6) 1 5/8" Coax (2) 1 5/8" Hybriflex	VERIZON WIRELESS
	3	Andrew LNX-6514DS-VTM			
80.0	3	RFS APXV18-206517S-C	Flush	(6) 1 5/8" Coax	METRO PCS INC

Equipment to be Removed

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
90.0	3	Alcatel-Lucent B25 RRH4x30	-	(6) 1 5/8" Coax	VERIZON WIRELESS
	3	Alcatel-Lucent B13 RRH4x30-4R 700U			
	3	Amphenol Antel BXA-70063-6CF-EDIN-X			
	2	RFS DB-T1-6Z-8AB-OZ			
	3	Alcatel-Lucent RRH4X45-B66 w/ Solar Shield			

Proposed Equipment

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
90.0	3	Samsung Outdoor CBRS 20W RRH –Clip-on Antenna	Low Profile Platform	-	VERIZON WIRELESS
	3	Samsung RT4401-48A			
	3	Samsung B5/B13 RRH-BR04C			
	3	Samsung B2/B66A RRH-BR049			
	2	Raycap RCMD-6627-PF-48			
	3	Samsung MT6407-77A			

¹ Contracted elevations are shown for appurtenances within contracted installation tolerances. Appurtenances outside of contract limits are shown at installed elevations.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	25%	Pass
Shaft	76%	Pass
Base Plate	49%	Pass
Reinforcement	76%	Pass

Foundations

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	1,053.8	43%
Axial (Kips)	26.3	13%
Shear (Kips)	14.0	21%

The structure base reactions resulting from this analysis were found to be acceptable through analysis based on geotechnical and foundation information, therefore no modification or reinforcement of the foundation will be required.

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
90.0	Samsung Outdoor CBRS 20W RRH –Clip-on Antenna	VERIZON WIRELESS	0.701	0.916
	Samsung RT4401-48A			
	Samsung B5/B13 RRH-BR04C			
	Samsung B2/B66A RRH-BR049			
	Raycap RCMD-6627-PF-48			
	Samsung MT6407-77A			

*Deflection and Sway was evaluated considering a design wind speed of 60 mph (3-Second Gust) per ANSI/TIA-222-H



Standard Conditions

All engineering services performed by A.T. Engineering Service, PLLC are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

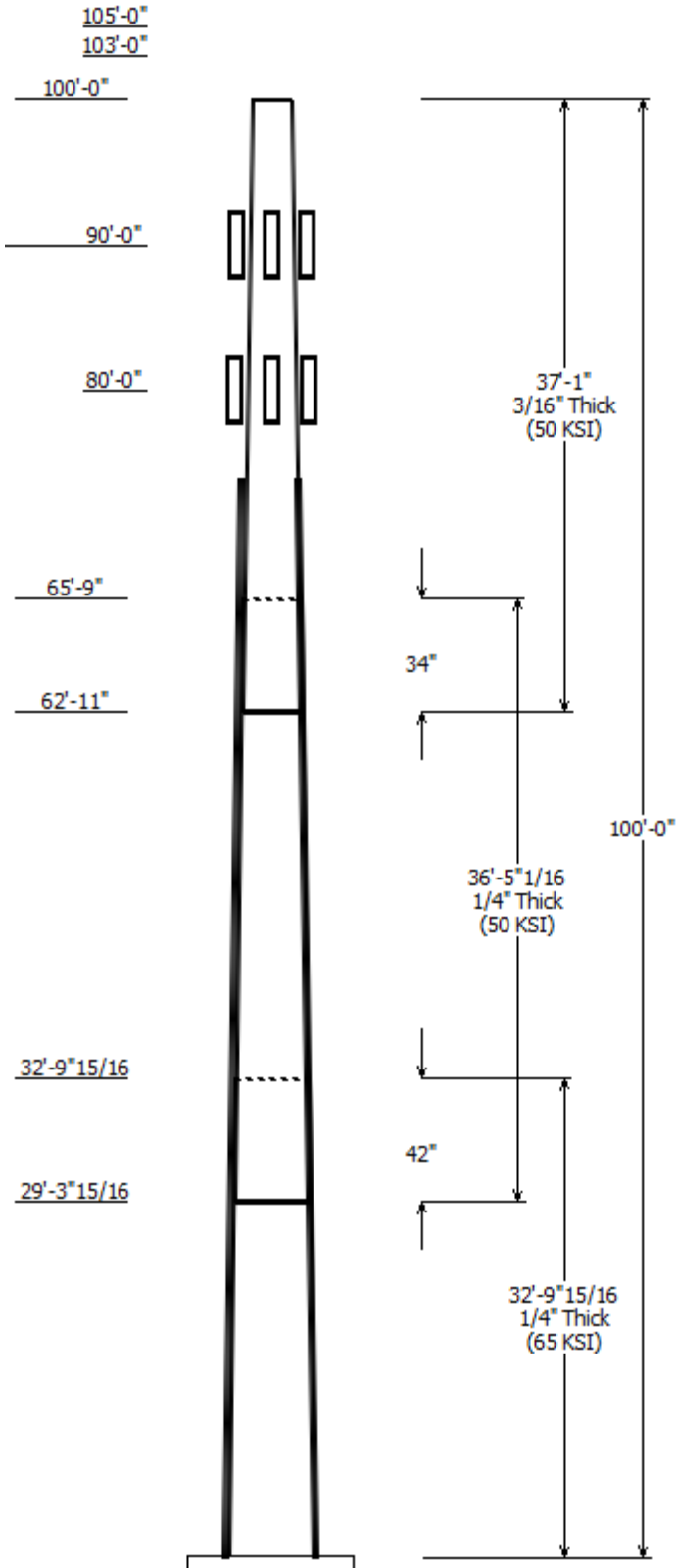
It is the responsibility of the client to ensure that the information provided to A.T. Engineering Service, PLLC and used in the performance of our engineering services is correct and complete.

All assets of American Tower Corporation, its affiliates and subsidiaries (collectively “American Tower”) are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

Unless explicitly agreed by both the client and A.T. Engineering Service, PLLC, all services will be performed in accordance with the current revision of ANSI/TIA-222.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. A.T. Engineering Service, PLLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

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Job Information

Client : VERIZON WIRELESS
 Pole : 302479 Code: ANSI/TIA-222-H
 Location : Rkhl - Rocky Hill, CT
 Description : 100 ft Monopole Risk Category : II
 Shape : 12 Sides Exposure : B
 Height : 100.00 (ft) Topo Method : Method 1
 Base Elev (ft): 0.00 Topographic Category : 1
 Taper: 0.16376@in/ft)

Sections Properties

Shaft Section	Length (ft)	Diameter (in)		Thick (in)	Joint Type	Overlap Length (in)	Steel Grade	
		Accross	Flats Bottom				Shape	(ksi)
1	32.830	24.62	30.00	0.250		0.000	12 Sides	65
2	36.420	19.73	25.69	0.250	Slip Joint	42.000	12 Sides	50
3	37.083	14.50	20.57	0.188	Slip Joint	34.000	12 Sides	50

Discrete Appurtenance

Attach Elev (ft)	Force Elev (ft)	Qty	Description
105.000	105.000	3	CCI HPA-65R-BUU-H6
105.000	105.000	12	Powerwave Allgon 7020.00
103.000	106.000	3	Quintel QS66512-2
103.000	106.000	3	Powerwave Allgon 7770.00
100.000	100.000	1	Flat Platform with Handrails
100.000	100.000	3	Ericsson RRUS 32 (55.1 lbs)
100.000	100.000	3	Ericsson RRUS 32 B66
100.000	100.000	3	Ericsson RRUS 32 B2
100.000	100.000	3	Ericsson RRUS 11 (Band 12)
100.000	100.000	2	Raycap DC6-48-60-18-8F (23.5"
100.000	100.000	6	Powerwave Allgon LGP21401
100.000	100.000	6	Kaelus DBC0061F1V51-2
90.000	90.000	1	Round Low Profile Platform
90.000	90.000	6	Andrew SBNHH-1D65B
90.000	90.000	3	Andrew LNX-6514DS-VTM
90.000	90.000	3	Samsung MT6407-77A
90.000	90.000	2	Raycap RCMDC-6627-PF-48
90.000	90.000	3	Samsung B2/B66A RRH-BR049
90.000	90.000	3	Samsung B5/B13 RRH-BR04C
90.000	90.000	3	Samsung RT4401-48A
90.000	90.000	3	Samsung Outdoor CBRS 20W
80.000	80.000	3	RFS APXV18-206517S-C

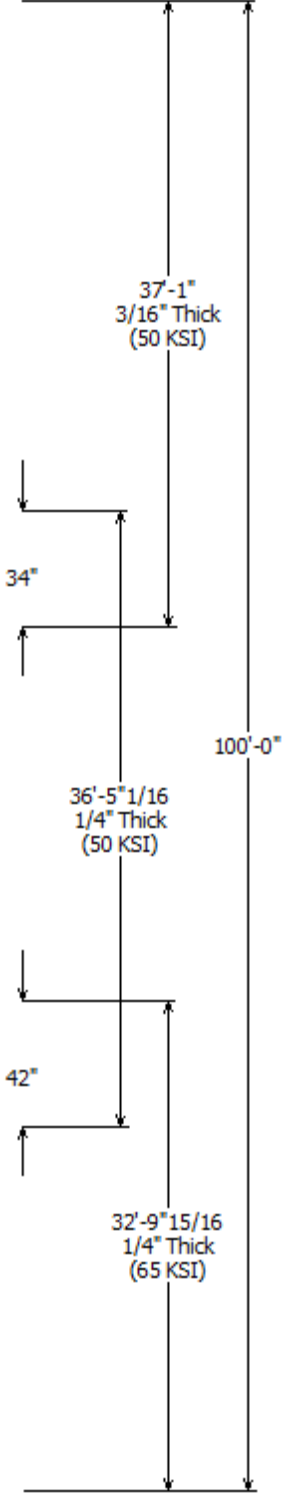
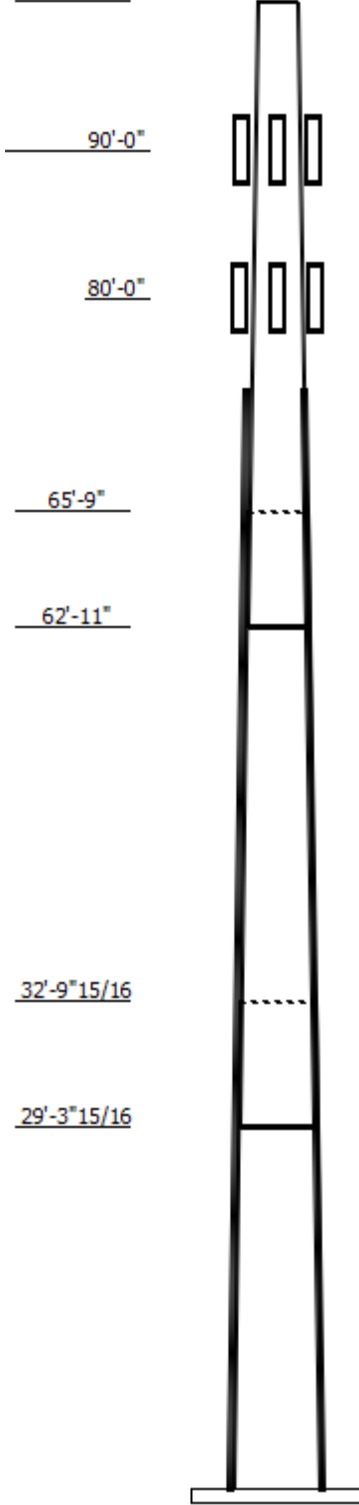
Linear Appurtenance

From Elev (ft)	To Elev (ft)	Description	Exposed To Wind
5.000	80.000	1 5/8" Coax	Yes
5.000	90.000	1 5/8" Coax	Yes
5.000	90.000	1 5/8" Hybriflex	Yes
5.000	100.0	0.39" (10mm)	No
5.000	100.0	0.78" (19.7mm) 8	No
5.000	100.0	3" conduit	No
5.000	103.0	1 1/4" Coax	No
0.000	78.400	Reinf.	Yes
0.000	78.400	Reinf.	Yes
0.000	78.400	Reinf.	Yes
0.000	78.400	Reinf.	Yes

Load Cases

1.2D + 1.0W 118 mph with No Ice

105'-0"
103'-0"
100'-0"

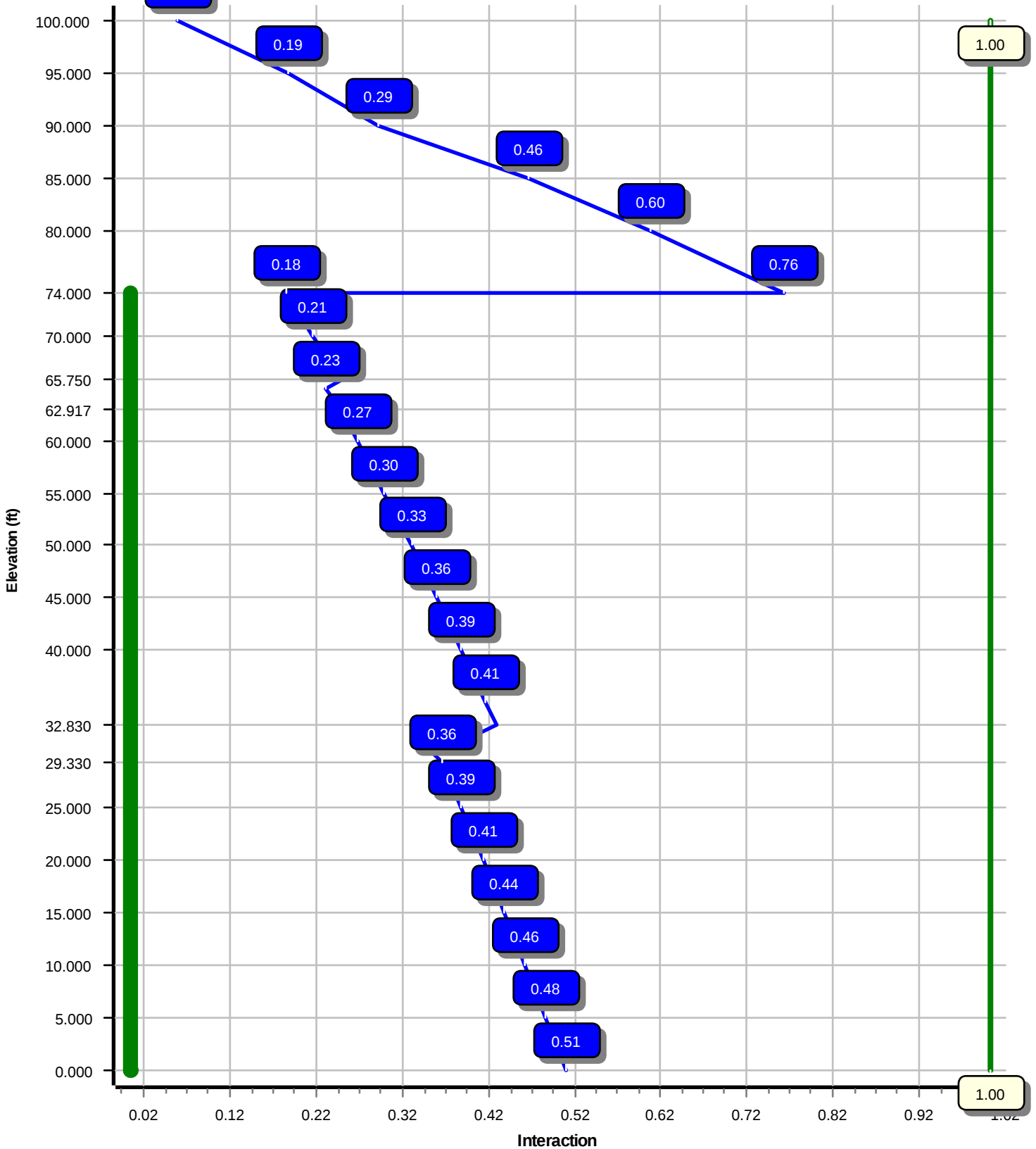


0.9D + 1.0W	118 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.50 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Reactions			
Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.0W	1053.84	14.01	26.31
0.9D + 1.0W	1042.12	13.99	19.73
1.2D + 1.0Di + 1.0Wi	285.27	3.52	41.11
1.2D + 1.0Ev + 1.0Eh	73.75	0.87	26.27
0.9D - 1.0Ev + 1.0Eh	72.74	0.87	18.12
1.0D + 1.0W	242.15	3.24	21.95

Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
	0.00	0.000	0.000

Load Case : 1.2D + 1.0W
Max Ratio 76.12% at 74.0 ft



Site Number: 302479

Code: ANSI/TIA-222-H

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

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Customer: VERIZON WIRELESS

Analysis Parameters

Location :	Hartford County, CT	Height (ft) :	100
Code :	ANSI/TIA-222-H	Base Diameter (in) :	30.00
Shape :	12 Sides	Top Diameter (in) :	14.50
Pole Type :	Taper	Taper (in/ft) :	0.164
Pole Manufacturer :	ITT Meyer	Rotation (deg) :	0.00
Kd (non-service) :	0.95	Ke :	0.99

Ice & Wind Parameters

Exposure Category:	B	Design Wind Speed Without Ice:	118 mph
Risk Category:	II	Design Wind Speed With Ice:	50 mph
Topographic Factor Procedure:	Method 1	Operational Wind Speed:	60 mph
Topographic Category:	1	Design Ice Thickness:	1.50 in
Crest Height:	0 ft	HMSL:	197.00 ft

Seismic Parameters

Analysis Method:	Equivalent Lateral Force Method		
Site Class:	D - Stiff Soil		
Period Based on Rayleigh Method (sec):	1.93		
T_L (sec):	6	p :	1.3
S_s :	0.201	S_1 :	0.055
F_a :	1.600	F_v :	2.400
S_{ds} :	0.214	S_{d1} :	0.088
		C_s :	0.030
		C_s Max:	0.030
		C_s Min:	0.030

Load Cases

1.2D + 1.0W	118 mph with No Ice
0.9D + 1.0W	118 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.50 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Site Number: 302479

Code: ANSI/TIA-222-H

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

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Customer: VERIZON WIRELESS

Shaft Section Properties

Shaft Section Properties							Bottom				Top								
Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Slip Joint Len (in)	Weight (lb)	Dia (in)	Elev (ft)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Taper (in/ft)
1-12	32.830	0.2500	65		0.00	2,434	30.00	0.00	23.95	2705.5	29.47	120.00	24.62	32.83	19.62	1487.8	23.71	98.50	0.163760
2-12	36.420	0.2500	50	Slip	42.00	2,241	25.69	29.33	20.48	1693.1	24.86	102.79	19.73	65.75	15.68	759.9	18.47	78.93	0.163760
3-12	37.083	0.1880	50	Slip	34.00	1,325	20.57	62.92	12.34	654.5	26.64	109.43	14.50	100.00	8.66	226.5	17.99	77.13	0.163760
Shaft Weight						6,000													

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	Weight (lb)	No Ice EPAa (sf)	Orientation Factor	Weight (lb)	Ice EPAa (sf)	Orientation Factor
105.00	Powerwave Allgon 7020.00 Dual	12	0.75	0.000	2.20	0.339	0.50	12.00	0.732	0.50
105.00	CCI HPA-65R-BUU-H6	3	0.75	0.000	51.00	9.658	0.69	261.58	12.319	0.69
103.00	Powerwave Allgon 7770.00	3	0.75	3.000	35.00	5.508	0.65	163.23	6.517	0.65
103.00	Quintel QS66512-2	3	0.75	3.000	111.00	8.133	0.74	302.27	10.809	0.74
100.00	Kaelus DBC0061F1V51-2	6	0.75	0.000	25.50	0.433	0.50	43.23	0.864	0.50
100.00	Powerwave Allgon LGP21401	6	0.75	0.000	14.10	1.104	0.50	38.05	1.789	0.50
100.00	Raycap DC6-48-60-18-8F (23.5"	2	0.75	0.000	20.00	1.260	1.00	70.54	1.892	1.00
100.00	Ericsson RRUS 11 (Band 12)	3	0.75	0.000	50.00	2.566	0.50	115.43	3.571	0.50
100.00	Ericsson RRUS 32 B2	3	0.75	0.000	53.00	2.743	0.50	123.59	3.865	0.50
100.00	Ericsson RRUS 32 B66	3	0.75	0.000	53.00	2.743	0.50	123.59	3.865	0.50
100.00	Ericsson RRUS 32 (55.1 lbs)	3	0.75	0.000	55.10	2.852	0.50	129.56	3.992	0.50
100.00	Flat Platform with Handrails	1	1.00	0.000	2,000.00	42.400	1.00	3,364.05	62.529	1.00
90.00	Samsung Outdoor CBRS 20W	3	0.80	0.000	4.40	0.892	0.50	21.49	1.499	0.50
90.00	Samsung RT4401-48A	3	0.80	0.000	18.60	0.996	0.50	44.24	1.646	0.50
90.00	Samsung B5/B13 RRH-BR04C	3	0.80	0.000	70.30	1.875	0.50	124.61	2.732	0.50
90.00	Samsung B2/B66A RRH-BR049	3	0.80	0.000	84.40	1.875	0.50	144.97	2.732	0.50
90.00	Raycap RCMDC-6627-PF-48	2	0.80	0.000	32.00	4.056	0.79	152.67	5.352	0.79
90.00	Samsung MT6407-77A	3	0.80	0.000	81.60	4.709	0.61	178.38	6.151	0.61
90.00	Andrew LNX-6514DS-VTM	3	0.80	0.000	33.10	8.079	0.69	198.64	10.724	0.69
90.00	Andrew SBNHH-1D65B	6	0.80	0.000	50.70	8.173	0.69	217.31	10.860	0.69
90.00	Round Low Profile Platform	1	1.00	0.000	1,500.00	21.700	1.00	2,115.15	39.929	1.00
80.00	RFS APXV18-206517S-C	3	1.00	0.000	26.40	5.160	0.68	113.31	7.379	0.68
Totals	Num Loadings:22	78			6,352.90			13,995.88		

Linear Appurtenance Properties

Load Case Azimuth (deg) : 30

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Max Coax / Flat	Dist Between Rows (in)	Dist Between Cols (in)	Dist Azimuth (deg)	Dist From Face (in)	Exposed To Wind Carrier
5.00	103.00	12	1 1/4" Coax	1.55	0.63	N	0	0.00	0	0.00	N AT&T MOBILITY
5.00	100.00	2	0.39" (10mm) Fiber	0.39	0.06	N	0	0.00	0	0.00	N AT&T MOBILITY
5.00	100.00	4	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0.00	0	0.00	N AT&T MOBILITY
5.00	100.00	2	3" conduit	3.50	7.58	N	0	0.00	0	0.00	N AT&T MOBILITY
5.00	90.00	6	1 5/8" Coax	1.98	0.82	N	6	0.00	0.00	150	Y VERIZON WIRELESS
5.00	90.00	2	1 5/8" Hybriflex	1.98	1.30	N	1	0.00	0.00	185	Y VERIZON WIRELESS
5.00	80.00	6	1 5/8" Coax	1.98	0.82	N	3	0.00	0.00	240	Y METRO PCS INC
0.00	78.40	1	Reinf.	2.50	4.00	N	1	0.00	0.00	15	Y
0.00	78.40	1	Reinf.	2.50	4.00	N	1	0.00	0.00	105	Y
0.00	78.40	1	Reinf.	2.50	4.00	N	1	0.00	0.00	195	Y
0.00	78.40	1	Reinf.	2.50	4.00	N	1	0.00	0.00	285	Y

Site Number: 302479

Code: ANSI/TIA-222-H

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

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Customer: VERIZON WIRELESS

Additional Steel

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Offset (in)	— Intermediate Connections —			Connectors	Continuation?
						Description	Spacing (in)	Len (in)		
0.00	74.00	4	SOL #20 All Thread	80	2.20	6" Angle Bracket	30.0	3.31	5/8" A36 U-Bolt	No

Site Number: 302479

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Site Name: Rkhl - Rocky Hill, CT

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Customer: VERIZON WIRELESS

Segment Properties (Max Len : 5. ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in ³)	Z (in ³)	Weight (lb)	Additional Reinforcing		
												Area (in ²)	Ix (in ⁴)	Weight (lb)
0.00		0.2500	30.000	23.949	2,705.5	29.47	120.00	72.6	174.2	0.0	0.0	19.64	3,350	0.0
5.00		0.2500	29.181	23.290	2,488.2	28.60	116.72	73.5	164.7	0.0	401.9	19.64	3,203	334.0
10.00		0.2500	28.362	22.630	2,282.8	27.72	113.45	74.5	155.5	0.0	390.6	19.64	3,060	334.0
15.00		0.2500	27.544	21.971	2,089.1	26.84	110.17	75.4	146.5	0.0	379.4	19.64	2,920	334.0
20.00		0.2500	26.725	21.312	1,906.7	25.96	106.90	76.4	137.8	0.0	368.2	19.64	2,783	334.0
25.00		0.2500	25.906	20.653	1,735.2	25.09	103.62	77.4	129.4	0.0	357.0	19.64	2,649	334.0
29.33	Bot - Section 2	0.2500	25.197	20.082	1,595.3	24.33	100.79	78.2	122.3	0.0	300.1	19.64	2,536	289.2
30.00		0.2500	25.087	19.994	1,574.3	24.21	100.35	78.3	121.2	0.0	92.3	19.64	2,598	44.8
32.83	Top - Section 1	0.2500	25.124	20.023	1,581.3	24.25	100.50	62.7	121.6	0.0	385.3	19.64	2,525	189.0
35.00		0.2500	24.768	19.737	1,514.5	23.87	99.07	63.0	118.1	0.0	146.8	19.64	2,469	145.0
40.00		0.2500	23.950	19.078	1,367.7	22.99	95.80	63.0	110.3	0.0	330.2	19.64	2,344	334.0
45.00		0.2500	23.131	18.419	1,230.8	22.11	92.52	63.0	102.8	0.0	319.0	19.64	2,221	334.0
50.00		0.2500	22.312	17.760	1,103.4	21.23	89.25	63.0	95.5	0.0	307.8	19.64	2,102	334.0
55.00		0.2500	21.493	17.101	985.0	20.36	85.97	63.0	88.5	0.0	296.6	19.64	1,986	334.0
60.00		0.2500	20.674	16.442	875.4	19.48	82.70	63.0	81.8	0.0	285.3	19.64	1,874	334.0
62.92	Bot - Section 3	0.2500	20.197	16.057	815.5	18.97	80.79	63.0	78.0	0.0	161.3	19.64	1,810	194.8
65.00		0.2500	19.856	15.783	774.3	18.60	79.42	63.0	75.3	0.0	199.6	19.64	1,814	139.2
65.75	Top - Section 2	0.1880	20.109	12.059	610.8	25.98	106.96	61.4	58.7	0.0	71.0	19.64	1,798	50.1
70.00		0.1880	19.413	11.638	549.0	24.99	103.26	62.2	54.6	0.0	171.4	19.64	1,707	283.9
74.00	Reinf. Top	0.1880	18.758	11.241	494.8	24.06	99.78	62.8	51.0	0.0	155.7	19.64	1,623	267.2
75.00		0.1880	18.594	11.142	481.8	23.82	98.90	63.0	50.1	0.0	38.1			
80.00		0.1880	17.775	10.647	420.3	22.65	94.55	63.0	45.7	0.0	185.4			
85.00		0.1880	16.956	10.151	364.3	21.49	90.19	63.0	41.5	0.0	176.9			
90.00		0.1880	16.138	9.655	313.5	20.32	85.84	63.0	37.5	0.0	168.5			
95.00		0.1880	15.319	9.160	267.7	19.15	81.48	63.0	33.8	0.0	160.1			
100.0		0.1880	14.500	8.664	226.5	17.99	77.13	63.0	30.2	0.0	151.6			
											6,000.0	4,943.2		

Site Number: 302479

Code: ANSI/TIA-222-H

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

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Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0W

118 mph with No Ice

21 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.20

Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces			Linear Forces		Sum of Forces				
Seg			Dead	Torsion		Moment	Dead		Dead	Torsion			Moment
Elev		Wind FX	Load	Wind FX	MY	MZ	Load	Wind FX	Load	Wind FX	Load	MY	MZ
(ft)	Description	(lb)	(lb)	(lb)	(lb-ft)	(lb-ft)	(lb)	(lb)	(lb)	(lb)	(lb)	(lb-ft)	(lb)
0.00		157.0	0.0					0.0	0.0	157.0	0.0	0.0	0.0
5.00		341.3	482.2					0.0	496.8	341.3	979.0	0.0	0.0
10.00		367.2	468.8					0.0	722.6	367.2	1,191.4	0.0	0.0
15.00		364.4	455.3					0.0	722.6	364.4	1,177.9	0.0	0.0
20.00		361.7	441.9					0.0	722.6	361.7	1,164.5	0.0	0.0
25.00		335.2	428.4					0.0	722.6	335.2	1,151.0	0.0	0.0
29.33	Bot - Section 2	179.4	360.1					0.0	625.8	179.4	985.9	0.0	0.0
30.00		128.6	110.8					0.0	96.8	128.6	207.6	0.0	0.0
32.83	Top - Section 1	184.3	462.4					0.0	409.0	184.3	871.4	0.0	0.0
35.00		269.1	176.2					0.0	313.6	269.1	489.8	0.0	0.0
40.00		383.7	396.2					0.0	722.6	383.7	1,118.9	0.0	0.0
45.00		394.4	382.8					0.0	722.6	394.4	1,105.4	0.0	0.0
50.00		404.1	369.3					0.0	722.6	404.1	1,092.0	0.0	0.0
55.00		413.1	355.9					0.0	722.6	413.1	1,078.5	0.0	0.0
60.00		332.3	342.4					0.0	722.6	332.3	1,065.0	0.0	0.0
62.92	Bot - Section 3	213.7	193.5					0.0	421.5	213.7	615.0	0.0	0.0
65.00		122.5	239.5					0.0	301.1	122.5	540.7	0.0	0.0
65.75	Top - Section 2	214.6	85.2					0.0	108.4	214.6	193.6	0.0	0.0
70.00		353.1	205.6					0.0	614.3	353.1	819.9	0.0	0.0
74.00	Reinf. Top	213.2	186.8					54.7	578.1	267.9	765.0	0.0	0.0
75.00		250.1	45.7					13.8	64.4	264.0	110.1	0.0	0.0
80.00	Appurtenance(s)	331.0	222.4	361.0	0.0	0.0	95.0	70.0	291.1	762.0	608.6	0.0	0.0
85.00		242.4	212.3					1.9	196.3	244.2	408.6	0.0	0.0
90.00	Appurtenance(s)	234.5	202.2	2,870.4	0.0	0.0	3,294.5	2.1	196.3	3,107.0	3,693.0	0.0	0.0
95.00		226.0	192.1					0.0	151.2	226.0	343.3	0.0	0.0
100.00	Appurtenance(s)	110.9	181.9	2,193.5	0.0	0.0	3,493.1	0.0	151.2	2,304.4	3,826.2	0.0	0.0
Totals:										12,695.1	25,602.3	0.00	0.00

Site Number: 302479

Code: ANSI/TIA-222-H

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

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Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0W

118 mph with No Ice

21 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.20

Wind Load Factor :1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-26.31	-14.01	0.00	-1,053.84	0.00	1,053.84	1,564.13	420.30	1,179.53	948.21	0.00	0.00	0.507
5.00	-25.28	-13.77	0.00	-983.80	0.00	983.80	1,541.14	408.73	1,115.51	908.35	0.13	-0.24	0.483
10.00	-24.03	-13.50	0.00	-914.94	0.00	914.94	1,517.02	397.16	1,053.28	868.61	0.51	-0.48	0.460
15.00	-22.81	-13.21	0.00	-847.47	0.00	847.47	1,491.76	385.60	992.84	829.05	1.13	-0.71	0.436
20.00	-21.60	-12.92	0.00	-781.41	0.00	781.41	1,465.37	374.03	934.18	789.73	2.00	-0.94	0.411
25.00	-20.40	-12.64	0.00	-716.81	0.00	716.81	1,437.84	362.46	877.31	750.70	3.11	-1.17	0.386
29.33	-19.40	-12.47	0.00	-662.09	0.00	662.09	1,413.08	352.44	829.50	717.19	4.27	-1.36	0.365
30.00	-19.18	-12.37	0.00	-653.73	0.00	653.73	1,409.18	350.89	822.22	712.03	4.46	-1.39	0.354
32.83	-18.29	-12.20	0.00	-618.73	0.00	618.73	1,130.06	270.32	634.34	571.84	5.32	-1.52	0.427
35.00	-17.77	-11.96	0.00	-592.27	0.00	592.27	1,119.11	266.45	616.35	558.13	6.04	-1.61	0.413
40.00	-16.63	-11.60	0.00	-532.48	0.00	532.48	1,081.73	257.56	575.89	521.29	7.83	-1.81	0.386
45.00	-15.50	-11.22	0.00	-474.48	0.00	474.48	1,044.36	248.66	536.79	485.71	9.83	-2.00	0.357
50.00	-14.39	-10.82	0.00	-418.39	0.00	418.39	1,006.99	239.76	499.08	451.39	12.03	-2.19	0.328
55.00	-13.30	-10.40	0.00	-364.29	0.00	364.29	969.61	230.86	462.73	418.33	14.41	-2.36	0.297
60.00	-12.23	-10.05	0.00	-312.27	0.00	312.27	932.24	221.96	427.76	386.52	16.98	-2.52	0.265
62.92	-11.61	-9.83	0.00	-282.95	0.00	282.95	910.44	216.77	408.00	368.55	18.55	-2.61	0.246
65.00	-11.07	-9.69	0.00	-262.48	0.00	262.48	894.87	213.06	394.17	355.97	19.70	-2.67	0.228
65.75	-10.87	-9.48	0.00	-255.21	0.00	255.21	666.75	162.80	305.95	270.38	20.12	-2.70	0.249
70.00	-10.05	-9.10	0.00	-214.94	0.00	214.94	651.10	157.11	284.95	254.72	22.57	-2.81	0.214
74.00	-9.29	-8.81	0.00	-178.52	0.00	178.52	635.86	151.76	265.87	240.20	24.97	-2.91	0.182
74.00	-9.29	-8.81	0.00	-178.52	0.00	178.52	635.86	151.76	265.87	240.20	24.97	-2.91	0.761
75.00	-9.16	-8.58	0.00	-169.72	0.00	169.72	631.77	150.42	261.20	236.53	25.58	-2.93	0.735
80.00	-8.54	-7.84	0.00	-126.84	0.00	126.84	603.66	143.73	238.49	215.85	28.89	-3.37	0.605
85.00	-8.11	-7.62	0.00	-87.63	0.00	87.63	575.56	137.04	216.81	196.12	32.62	-3.73	0.464
90.00	-4.62	-4.29	0.00	-49.54	0.00	49.54	547.45	130.35	196.16	177.33	36.68	-4.00	0.289
95.00	-4.28	-4.05	0.00	-28.11	0.00	28.11	519.35	123.65	176.54	159.49	40.96	-4.17	0.186
100.00	0.00	-3.72	0.00	-7.88	0.00	7.88	491.24	116.96	157.96	142.60	45.39	-4.27	0.056

Site Number: 302479

Code: ANSI/TIA-222-H

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

6/14/2021 4:44:16 PM

Customer: VERIZON WIRELESS

Load Case: 0.9D + 1.0W

118 mph with No Ice (Reduced DL)

21 Iterations

Gust Response Factor :1.10

Dead Load Factor :0.90

Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces			Linear Forces		Sum of Forces				
Seg			Dead	Torsion		Moment	Dead		Dead	Sum of Forces			
Elev		Wind FX	Load	Wind FX	MY	MZ	Load	Wind FX	Load	Wind FX	Load	MY	MZ
(ft)	Description	(lb)	(lb)	(lb)	(lb-ft)	(lb-ft)	(lb)	(lb)	(lb)	(lb)	(lb)	(lb-ft)	(lb)
0.00		157.0	0.0					0.0	0.0	157.0	0.0	0.0	0.0
5.00		341.3	361.7					0.0	372.6	341.3	734.3	0.0	0.0
10.00		367.2	351.6					0.0	542.0	367.2	893.6	0.0	0.0
15.00		364.4	341.5					0.0	542.0	364.4	883.5	0.0	0.0
20.00		361.7	331.4					0.0	542.0	361.7	873.4	0.0	0.0
25.00		335.2	321.3					0.0	542.0	335.2	863.3	0.0	0.0
29.33	Bot - Section 2	179.4	270.1					0.0	469.3	179.4	739.4	0.0	0.0
30.00		128.6	83.1					0.0	72.6	128.6	155.7	0.0	0.0
32.83	Top - Section 1	184.3	346.8					0.0	306.7	184.3	653.6	0.0	0.0
35.00		269.1	132.1					0.0	235.2	269.1	367.4	0.0	0.0
40.00		383.7	297.2					0.0	542.0	383.7	839.2	0.0	0.0
45.00		394.4	287.1					0.0	542.0	394.4	829.1	0.0	0.0
50.00		404.1	277.0					0.0	542.0	404.1	819.0	0.0	0.0
55.00		413.1	266.9					0.0	542.0	413.1	808.9	0.0	0.0
60.00		332.3	256.8					0.0	542.0	332.3	798.8	0.0	0.0
62.92	Bot - Section 3	213.7	145.1					0.0	316.1	213.7	461.3	0.0	0.0
65.00		122.5	179.7					0.0	225.8	122.5	405.5	0.0	0.0
65.75	Top - Section 2	214.6	63.9					0.0	81.3	214.6	145.2	0.0	0.0
70.00		353.1	154.2					0.0	460.7	353.1	614.9	0.0	0.0
74.00	Reinf. Top	213.2	140.1					54.7	433.6	267.9	573.7	0.0	0.0
75.00		250.1	34.3					13.8	48.3	264.0	82.6	0.0	0.0
80.00	Appurtenance(s)	331.0	166.8	361.0	0.0	0.0	71.3	70.0	218.3	762.0	456.4	0.0	0.0
85.00		242.4	159.2					1.9	147.2	244.2	306.5	0.0	0.0
90.00	Appurtenance(s)	234.5	151.6	2,870.4	0.0	0.0	2,470.9	2.1	147.2	3,107.0	2,769.7	0.0	0.0
95.00		226.0	144.1					0.0	113.4	226.0	257.5	0.0	0.0
100.00	Appurtenance(s)	110.9	136.5	2,193.5	0.0	0.0	2,619.8	0.0	113.4	2,304.4	2,869.7	0.0	0.0
Totals:										12,695.1	19,201.7	0.00	0.00

Site Number: 302479

Code: ANSI/TIA-222-H

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

6/14/2021 4:44:18 PM

Customer: VERIZON WIRELESS

Load Case: 0.9D + 1.0W

118 mph with No Ice (Reduced DL)

21 Iterations

Gust Response Factor :1.10

Dead Load Factor :0.90

Wind Load Factor :1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-19.73	-13.99	0.00	-1,042.12	0.00	1,042.12	1,564.13	420.30	1,179.53	948.21	0.00	0.00	0.499
5.00	-18.94	-13.73	0.00	-972.15	0.00	972.15	1,541.14	408.73	1,115.51	908.35	0.13	-0.24	0.476
10.00	-17.99	-13.43	0.00	-903.50	0.00	903.50	1,517.02	397.16	1,053.28	868.61	0.50	-0.47	0.452
15.00	-17.06	-13.13	0.00	-836.35	0.00	836.35	1,491.76	385.60	992.84	829.05	1.12	-0.70	0.428
20.00	-16.14	-12.82	0.00	-770.73	0.00	770.73	1,465.37	374.03	934.18	789.73	1.98	-0.93	0.404
25.00	-15.24	-12.52	0.00	-706.65	0.00	706.65	1,437.84	362.46	877.31	750.70	3.08	-1.15	0.379
29.33	-14.48	-12.35	0.00	-652.44	0.00	652.44	1,413.08	352.44	829.50	717.19	4.21	-1.35	0.358
30.00	-14.31	-12.24	0.00	-644.17	0.00	644.17	1,409.18	350.89	822.22	712.03	4.40	-1.38	0.348
32.83	-13.64	-12.06	0.00	-609.53	0.00	609.53	1,130.06	270.32	634.34	571.84	5.26	-1.50	0.419
35.00	-13.25	-11.82	0.00	-583.35	0.00	583.35	1,119.11	266.45	616.35	558.13	5.96	-1.59	0.405
40.00	-12.38	-11.45	0.00	-524.27	0.00	524.27	1,081.73	257.56	575.89	521.29	7.73	-1.79	0.378
45.00	-11.53	-11.07	0.00	-467.01	0.00	467.01	1,044.36	248.66	536.79	485.71	9.70	-1.98	0.350
50.00	-10.70	-10.67	0.00	-411.67	0.00	411.67	1,006.99	239.76	499.08	451.39	11.87	-2.16	0.321
55.00	-9.87	-10.25	0.00	-358.34	0.00	358.34	969.61	230.86	462.73	418.33	14.22	-2.33	0.291
60.00	-9.07	-9.90	0.00	-307.08	0.00	307.08	932.24	221.96	427.76	386.52	16.75	-2.49	0.259
62.92	-8.61	-9.68	0.00	-278.19	0.00	278.19	910.44	216.77	408.00	368.55	18.30	-2.58	0.241
65.00	-8.20	-9.55	0.00	-258.02	0.00	258.02	894.87	213.06	394.17	355.97	19.43	-2.64	0.223
65.75	-8.05	-9.34	0.00	-250.86	0.00	250.86	666.75	162.80	305.95	270.38	19.85	-2.66	0.243
70.00	-7.44	-8.97	0.00	-211.19	0.00	211.19	651.10	157.11	284.95	254.72	22.27	-2.77	0.209
74.00	-6.87	-8.68	0.00	-175.32	0.00	175.32	635.86	151.76	265.87	240.20	24.63	-2.86	0.178
74.00	-6.87	-8.68	0.00	-175.32	0.00	175.32	635.86	151.76	265.87	240.20	24.63	-2.86	0.744
75.00	-6.77	-8.44	0.00	-166.64	0.00	166.64	631.77	150.42	261.20	236.53	25.23	-2.89	0.718
80.00	-6.30	-7.70	0.00	-124.45	0.00	124.45	603.66	143.73	238.49	215.85	28.49	-3.32	0.590
85.00	-5.97	-7.47	0.00	-85.97	0.00	85.97	575.56	137.04	216.81	196.12	32.16	-3.67	0.452
90.00	-3.40	-4.19	0.00	-48.64	0.00	48.64	547.45	130.35	196.16	177.33	36.16	-3.94	0.282
95.00	-3.15	-3.96	0.00	-27.67	0.00	27.67	519.35	123.65	176.54	159.49	40.37	-4.11	0.181
100.00	0.00	-3.72	0.00	-7.88	0.00	7.88	491.24	116.96	157.96	142.60	44.73	-4.20	0.056

Site Number: 302479

Code: ANSI/TIA-222-H

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

6/14/2021 4:44:18 PM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 1.50 in Radial Ice

20 Iterations

Gust Response Factor :1.10

Ice Dead Load Factor 1.00

Dead Load Factor :1.20

Ice Importance Factor :1.00

Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces			Linear Forces		Sum of Forces				
Seg			Dead	Torsion		Moment	Dead		Dead	Torsion		Moment	
Elev		Wind FX	Load	Wind FX	MY	MZ	Load	Wind FX	Load	Wind FX	Load	MY	MZ
(ft)	Description	(lb)	(lb)	(lb)	(lb-ft)	(lb-ft)	(lb)	(lb)	(lb)	(lb)	(lb)	(lb-ft)	(lb)
0.00		38.3	0.0					0.0	0.0	38.3	0.0	0.0	0.0
5.00		75.9	709.8					0.0	540.4	75.9	1,250.2	0.0	0.0
10.00		74.4	717.0					0.0	914.4	74.4	1,631.4	0.0	0.0
15.00		72.7	709.9					0.0	924.9	72.7	1,634.8	0.0	0.0
20.00		70.9	698.1					0.0	932.2	70.9	1,630.3	0.0	0.0
25.00		64.6	683.9					0.0	937.8	64.6	1,621.7	0.0	0.0
29.33	Bot - Section 2	34.2	579.9					8.8	815.9	43.0	1,395.8	0.0	0.0
30.00		24.1	145.6					1.4	126.6	25.5	272.2	0.0	0.0
32.83	Top - Section 1	34.6	607.9					6.2	535.2	40.8	1,143.1	0.0	0.0
35.00		50.1	287.1					4.9	411.2	55.0	698.4	0.0	0.0
40.00		70.3	646.6					12.2	950.0	82.5	1,596.5	0.0	0.0
45.00		70.6	628.3					13.6	953.1	84.2	1,581.3	0.0	0.0
50.00		70.6	609.5					14.9	955.9	85.5	1,565.3	0.0	0.0
55.00		70.2	590.2					16.2	958.4	86.5	1,548.6	0.0	0.0
60.00		55.3	570.6					17.6	960.8	72.9	1,531.4	0.0	0.0
62.92	Bot - Section 3	34.9	324.7					10.9	561.4	45.8	886.2	0.0	0.0
65.00		19.9	333.8					8.1	401.5	28.0	735.3	0.0	0.0
65.75	Top - Section 2	34.8	119.0					3.5	144.6	38.4	263.6	0.0	0.0
70.00		57.0	391.9					22.4	820.4	79.5	1,212.3	0.0	0.0
74.00	Reinf. Top	34.3	357.8					31.6	773.4	65.9	1,131.1	0.0	0.0
75.00		40.5	88.2					8.9	113.4	49.4	201.6	0.0	0.0
80.00	Appurtenance(s)	66.7	427.4	92.7	0.0	0.0	315.9	41.1	516.0	200.5	1,259.2	0.0	0.0
85.00		65.3	409.9					75.2	312.7	140.5	722.6	0.0	0.0
90.00	Appurtenance(s)	63.7	392.3	762.6	0.0	0.0	5,939.3	76.8	313.4	903.1	6,645.1	0.0	0.0
95.00		62.0	374.5					0.0	151.2	62.0	525.7	0.0	0.0
100.00	Appurtenance(s)	30.6	356.6	581.1	0.0	0.0	5,668.9	0.0	151.2	611.6	6,176.6	0.0	0.0
Totals:										3,197.30	38,860.4	0.00	0.00

Site Number: 302479

Code: ANSI/TIA-222-H

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

6/14/2021 4:44:19 PM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 1.50 in Radial Ice

20 Iterations

Gust Response Factor :1.10

Ice Dead Load Factor 1.00

Dead Load Factor :1.20

Ice Importance Factor :1.00

Wind Load Factor :1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-41.11	-3.52	0.00	-285.27	0.00	285.27	1,564.13	420.30	1,179.53	948.21	0.00	0.00	0.149
5.00	-39.86	-3.48	0.00	-267.69	0.00	267.69	1,541.14	408.73	1,115.51	908.35	0.03	-0.06	0.143
10.00	-38.22	-3.45	0.00	-250.27	0.00	250.27	1,517.02	397.16	1,053.28	868.61	0.14	-0.13	0.137
15.00	-36.58	-3.41	0.00	-233.02	0.00	233.02	1,491.76	385.60	992.84	829.05	0.31	-0.19	0.130
20.00	-34.95	-3.37	0.00	-215.96	0.00	215.96	1,465.37	374.03	934.18	789.73	0.55	-0.26	0.124
25.00	-33.32	-3.34	0.00	-199.09	0.00	199.09	1,437.84	362.46	877.31	750.70	0.85	-0.32	0.117
29.33	-31.93	-3.30	0.00	-184.64	0.00	184.64	1,413.08	352.44	829.50	717.19	1.17	-0.37	0.111
30.00	-31.65	-3.29	0.00	-182.43	0.00	182.43	1,409.18	350.89	822.22	712.03	1.22	-0.38	0.108
32.83	-30.51	-3.25	0.00	-173.13	0.00	173.13	1,130.06	270.32	634.34	571.84	1.46	-0.42	0.130
35.00	-29.81	-3.21	0.00	-166.07	0.00	166.07	1,119.11	266.45	616.35	558.13	1.65	-0.44	0.127
40.00	-28.21	-3.15	0.00	-150.00	0.00	150.00	1,081.73	257.56	575.89	521.29	2.15	-0.50	0.119
45.00	-26.63	-3.07	0.00	-134.27	0.00	134.27	1,044.36	248.66	536.79	485.71	2.70	-0.55	0.111
50.00	-25.06	-2.99	0.00	-118.91	0.00	118.91	1,006.99	239.76	499.08	451.39	3.31	-0.61	0.103
55.00	-23.51	-2.91	0.00	-103.94	0.00	103.94	969.61	230.86	462.73	418.33	3.97	-0.66	0.094
60.00	-21.98	-2.83	0.00	-89.40	0.00	89.40	932.24	221.96	427.76	386.52	4.68	-0.70	0.085
62.92	-21.09	-2.78	0.00	-81.14	0.00	81.14	910.44	216.77	408.00	368.55	5.12	-0.73	0.079
65.00	-20.35	-2.75	0.00	-75.34	0.00	75.34	894.87	213.06	394.17	355.97	5.44	-0.75	0.074
65.75	-20.09	-2.71	0.00	-73.28	0.00	73.28	666.75	162.80	305.95	270.38	5.56	-0.75	0.080
70.00	-18.88	-2.63	0.00	-61.74	0.00	61.74	651.10	157.11	284.95	254.72	6.25	-0.78	0.070
74.00	-17.75	-2.55	0.00	-51.22	0.00	51.22	635.86	151.76	265.87	240.20	6.92	-0.81	0.060
74.00	-17.75	-2.55	0.00	-51.22	0.00	51.22	635.86	151.76	265.87	240.20	6.92	-0.81	0.241
75.00	-17.54	-2.52	0.00	-48.67	0.00	48.67	631.77	150.42	261.20	236.53	7.09	-0.82	0.234
80.00	-16.28	-2.33	0.00	-36.06	0.00	36.06	603.66	143.73	238.49	215.85	8.01	-0.94	0.194
85.00	-15.56	-2.21	0.00	-24.39	0.00	24.39	575.56	137.04	216.81	196.12	9.06	-1.05	0.152
90.00	-8.93	-1.19	0.00	-13.37	0.00	13.37	547.45	130.35	196.16	177.33	10.20	-1.12	0.092
95.00	-8.41	-1.12	0.00	-7.44	0.00	7.44	519.35	123.65	176.54	159.49	11.40	-1.17	0.063
100.00	0.00	-0.94	0.00	-1.85	0.00	1.85	491.24	116.96	157.96	142.60	12.64	-1.19	0.013

Site Number: 302479

Code: ANSI/TIA-222-H

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

6/14/2021 4:44:20 PM

Customer: VERIZON WIRELESS

Load Case: 1.0D + 1.0W

Serviceability 60 mph

20 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.00

Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces			Linear Forces		Sum of Forces				
Seg			Dead	Torsion		Moment	Dead		Dead		Torsion	Moment	
Elev		Wind FX	Load	Wind FX	MY	MZ	Load	Wind FX	Load	Wind FX	Load	MY	MZ
(ft)	Description	(lb)	(lb)	(lb)	(lb-ft)	(lb-ft)	(lb)	(lb)	(lb)	(lb)	(lb)	(lb-ft)	(lb)
0.00		36.3	0.0					0.0	0.0	36.3	0.0	0.0	0.0
5.00		78.9	401.9					0.0	414.0	78.9	815.9	0.0	0.0
10.00		84.9	390.6					0.0	602.2	84.9	992.8	0.0	0.0
15.00		84.3	379.4					0.0	602.2	84.3	981.6	0.0	0.0
20.00		83.7	368.2					0.0	602.2	83.7	970.4	0.0	0.0
25.00		77.5	357.0					0.0	602.2	77.5	959.2	0.0	0.0
29.33	Bot - Section 2	41.5	300.1					0.0	521.5	41.5	821.6	0.0	0.0
30.00		29.7	92.3					0.0	80.7	29.7	173.0	0.0	0.0
32.83	Top - Section 1	42.6	385.3					0.0	340.8	42.6	726.2	0.0	0.0
35.00		62.3	146.8					0.0	261.4	62.3	408.2	0.0	0.0
40.00		88.8	330.2					0.0	602.2	88.8	932.4	0.0	0.0
45.00		91.2	319.0					0.0	602.2	91.2	921.2	0.0	0.0
50.00		93.5	307.8					0.0	602.2	93.5	910.0	0.0	0.0
55.00		95.6	296.6					0.0	602.2	95.6	898.8	0.0	0.0
60.00		76.9	285.3					0.0	602.2	76.9	887.5	0.0	0.0
62.92	Bot - Section 3	49.4	161.3					0.0	351.3	49.4	512.5	0.0	0.0
65.00		28.3	199.6					0.0	250.9	28.3	450.5	0.0	0.0
65.75	Top - Section 2	49.6	71.0					0.0	90.3	49.6	161.3	0.0	0.0
70.00		81.7	171.4					0.0	511.9	81.7	683.2	0.0	0.0
74.00	Reinf. Top	49.3	155.7					12.7	481.8	62.0	637.5	0.0	0.0
75.00		57.9	38.1					3.2	53.6	61.1	91.7	0.0	0.0
80.00	Appurtenance(s)	76.6	185.4	83.5	0.0	0.0	79.2	16.2	242.6	176.3	507.2	0.0	0.0
85.00		56.1	176.9					0.4	163.6	56.5	340.5	0.0	0.0
90.00	Appurtenance(s)	54.2	168.5	664.0	0.0	0.0	2,745.4	0.5	163.6	718.7	3,077.5	0.0	0.0
95.00		52.5	160.1					0.0	126.0	52.5	286.1	0.0	0.0
100.00	Appurtenance(s)	25.8	151.6	507.4	0.0	0.0	2,910.9	0.0	126.0	533.3	3,188.5	0.0	0.0
Totals:										2,937.13	21,335.2	0.00	0.00

Site Number: 302479

Code: ANSI/TIA-222-H

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

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Customer: VERIZON WIRELESS

Load Case: 1.0D + 1.0W

Serviceability 60 mph

20 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.00

Wind Load Factor :1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-21.95	-3.24	0.00	-242.15	0.00	242.15	1,564.13	420.30	1,179.53	948.21	0.00	0.00	0.122
5.00	-21.13	-3.18	0.00	-225.96	0.00	225.96	1,541.14	408.73	1,115.51	908.35	0.03	-0.05	0.116
10.00	-20.14	-3.11	0.00	-210.06	0.00	210.06	1,517.02	397.16	1,053.28	868.61	0.12	-0.11	0.110
15.00	-19.15	-3.04	0.00	-194.50	0.00	194.50	1,491.76	385.60	992.84	829.05	0.26	-0.16	0.105
20.00	-18.18	-2.97	0.00	-179.28	0.00	179.28	1,465.37	374.03	934.18	789.73	0.46	-0.22	0.099
25.00	-17.22	-2.91	0.00	-164.42	0.00	164.42	1,437.84	362.46	877.31	750.70	0.72	-0.27	0.093
29.33	-16.40	-2.87	0.00	-151.83	0.00	151.83	1,413.08	352.44	829.50	717.19	0.98	-0.31	0.088
30.00	-16.22	-2.84	0.00	-149.91	0.00	149.91	1,409.18	350.89	822.22	712.03	1.02	-0.32	0.085
32.83	-15.49	-2.80	0.00	-141.87	0.00	141.87	1,130.06	270.32	634.34	571.84	1.22	-0.35	0.103
35.00	-15.09	-2.75	0.00	-135.79	0.00	135.79	1,119.11	266.45	616.35	558.13	1.39	-0.37	0.099
40.00	-14.15	-2.66	0.00	-122.06	0.00	122.06	1,081.73	257.56	575.89	521.29	1.80	-0.42	0.093
45.00	-13.23	-2.57	0.00	-108.75	0.00	108.75	1,044.36	248.66	536.79	485.71	2.26	-0.46	0.086
50.00	-12.32	-2.48	0.00	-95.88	0.00	95.88	1,006.99	239.76	499.08	451.39	2.76	-0.50	0.079
55.00	-11.42	-2.39	0.00	-83.48	0.00	83.48	969.61	230.86	462.73	418.33	3.31	-0.54	0.072
60.00	-10.53	-2.30	0.00	-71.55	0.00	71.55	932.24	221.96	427.76	386.52	3.90	-0.58	0.064
62.92	-10.02	-2.25	0.00	-64.83	0.00	64.83	910.44	216.77	408.00	368.55	4.26	-0.60	0.060
65.00	-9.57	-2.22	0.00	-60.13	0.00	60.13	894.87	213.06	394.17	355.97	4.52	-0.61	0.055
65.75	-9.41	-2.17	0.00	-58.47	0.00	58.47	666.75	162.80	305.95	270.38	4.62	-0.62	0.060
70.00	-8.72	-2.09	0.00	-49.23	0.00	49.23	651.10	157.11	284.95	254.72	5.18	-0.64	0.052
74.00	-8.09	-2.02	0.00	-40.88	0.00	40.88	635.86	151.76	265.87	240.20	5.73	-0.67	0.045
74.00	-8.09	-2.02	0.00	-40.88	0.00	40.88	635.86	151.76	265.87	240.20	5.73	-0.67	0.183
75.00	-7.99	-1.97	0.00	-38.86	0.00	38.86	631.77	150.42	261.20	236.53	5.87	-0.67	0.177
80.00	-7.49	-1.80	0.00	-29.03	0.00	29.03	603.66	143.73	238.49	215.85	6.63	-0.77	0.147
85.00	-7.14	-1.74	0.00	-20.06	0.00	20.06	575.56	137.04	216.81	196.12	7.49	-0.86	0.115
90.00	-4.08	-0.98	0.00	-11.35	0.00	11.35	547.45	130.35	196.16	177.33	8.42	-0.92	0.071
95.00	-3.79	-0.92	0.00	-6.45	0.00	6.45	519.35	123.65	176.54	159.49	9.40	-0.96	0.048
100.00	0.00	-0.86	0.00	-1.82	0.00	1.82	491.24	116.96	157.96	142.60	10.42	-0.98	0.013

Site Number: 302479

Code: ANSI/TIA-222-H

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

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Customer: VERIZON WIRELESS

Equivalent Lateral Forces Method Analysis

Spectral Response Acceleration for Short Period (S_s):	0.20
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.05
Long-Period Transition Period (T_L):	6
Importance Factor (I_E):	1.00
Site Coefficient F_a :	1.60
Site Coefficient F_v :	2.40
Response Modification Coefficient (R):	1.50
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.21
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.09
Seismic Response Coefficient (C_s):	0.03
Upper Limit C_s	0.03
Lower Limit C_s	0.03
Period based on Rayleigh Method (sec):	1.93
Redundancy Factor (p):	1.30
Seismic Force Distribution Exponent (k):	1.72
Total Unfactored Dead Load:	21.95 k
Seismic Base Shear (E):	0.87 k

Load Case 1.2D + 1.0Ev + 1.0Eh

Seismic

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
25	97.50	278	716	0.026	23	345
24	92.50	286	674	0.025	21	356
23	87.50	332	712	0.026	23	413
22	82.50	341	660	0.024	21	423
21	77.50	428	745	0.027	24	532
20	74.50	92	149	0.005	5	114
19	72.00	637	978	0.036	31	792
18	67.87	683	947	0.035	30	849
17	65.37	161	210	0.008	7	201
16	63.96	451	564	0.021	18	560
15	61.46	513	599	0.022	19	637
14	57.50	888	926	0.034	29	1,103
13	52.50	899	802	0.029	25	1,117
12	47.50	910	684	0.025	22	1,131
11	42.50	921	572	0.021	18	1,145
10	37.50	932	467	0.017	15	1,159
9	33.91	408	172	0.006	5	507
8	31.41	726	269	0.010	8	903
7	29.66	173	58	0.002	2	215
6	27.16	822	237	0.009	7	1,021
5	22.50	959	200	0.007	6	1,192
4	17.50	970	132	0.005	4	1,206
3	12.50	982	75	0.003	2	1,220
2	7.50	993	31	0.001	1	1,234
1	2.50	816	4	0.000	0	1,014

Site Number: 302479

Code: ANSI/TIA-222-H

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

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Customer: VERIZON WIRELESS

Powerwave Allgon 702	100.00	26	71	0.003	2	33
CCI HPA-65R-BUU-H6	100.00	153	412	0.015	13	190
Powerwave Allgon 777	100.00	105	283	0.010	9	131
Quintel QS66512-2	100.00	333	897	0.033	28	414
Kaelus DBC0061F1V51-	100.00	153	412	0.015	13	190
Powerwave Allgon LGP	100.00	85	228	0.008	7	105
Raycap DC6-48-60-18-	100.00	40	108	0.004	3	50
Ericsson RRUS 11 (Ba	100.00	150	404	0.015	13	186
Ericsson RRUS 32 B2	100.00	159	428	0.016	14	198
Ericsson RRUS 32 B66	100.00	159	428	0.016	14	198
Ericsson RRUS 32 (55	100.00	165	445	0.016	14	205
Flat Platform with H	100.00	2,000	5,389	0.197	171	2,486
Samsung Outdoor CBRS	90.00	13	30	0.001	1	16
Samsung RT4401-48A	90.00	56	125	0.005	4	69
Samsung B5/B13 RRH-B	90.00	211	474	0.017	15	262
Samsung B2/B66A RRH-	90.00	253	569	0.021	18	315
Raycap RCMD-6627-PF	90.00	64	144	0.005	5	80
Samsung MT6407-77A	90.00	245	551	0.020	17	304
Andrew LNX-6514DS-VT	90.00	99	223	0.008	7	123
Andrew SBNHH-1D65B	90.00	304	684	0.025	22	378
Round Low Profile PI	90.00	1,500	3,373	0.123	107	1,864
RFS APXV18-206517S-C	80.00	79	146	0.005	5	98
		21,953	27,407	1.000	867	27,285

Load Case 0.9D - 1.0Ev + 1.0Eh

Seismic (Reduced DL)

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
25	97.50	278	716	0.026	23	238
24	92.50	286	674	0.025	21	245
23	87.50	332	712	0.026	23	285
22	82.50	341	660	0.024	21	292
21	77.50	428	745	0.027	24	367
20	74.50	92	149	0.005	5	79
19	72.00	637	978	0.036	31	546
18	67.87	683	947	0.035	30	586
17	65.37	161	210	0.008	7	138
16	63.96	451	564	0.021	18	386
15	61.46	513	599	0.022	19	439
14	57.50	888	926	0.034	29	761
13	52.50	899	802	0.029	25	770
12	47.50	910	684	0.025	22	780
11	42.50	921	572	0.021	18	790
10	37.50	932	467	0.017	15	799
9	33.91	408	172	0.006	5	350
8	31.41	726	269	0.010	8	622
7	29.66	173	58	0.002	2	148
6	27.16	822	237	0.009	7	704
5	22.50	959	200	0.007	6	822
4	17.50	970	132	0.005	4	832
3	12.50	982	75	0.003	2	841
2	7.50	993	31	0.001	1	851
1	2.50	816	4	0.000	0	699
Powerwave Allgon 702	100.00	26	71	0.003	2	23
CCI HPA-65R-BUU-H6	100.00	153	412	0.015	13	131
Powerwave Allgon 777	100.00	105	283	0.010	9	90
Quintel QS66512-2	100.00	333	897	0.033	28	285
Kaelus DBC0061F1V51-	100.00	153	412	0.015	13	131
Powerwave Allgon LGP	100.00	85	228	0.008	7	73
Raycap DC6-48-60-18-	100.00	40	108	0.004	3	34
Ericsson RRUS 11 (Ba	100.00	150	404	0.015	13	129

Site Number: 302479

Code: ANSI/TIA-222-H

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

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Customer: VERIZON WIRELESS

Ericsson RRUS 32 B2	100.00	159	428	0.016	14	136
Ericsson RRUS 32 B66	100.00	159	428	0.016	14	136
Ericsson RRUS 32 (55	100.00	165	445	0.016	14	142
Flat Platform with H	100.00	2,000	5,389	0.197	171	1,714
Samsung Outdoor CBRS	90.00	13	30	0.001	1	11
Samsung RT4401-48A	90.00	56	125	0.005	4	48
Samsung B5/B13 RRH-B	90.00	211	474	0.017	15	181
Samsung B2/B66A RRH-	90.00	253	569	0.021	18	217
Raycap RCMD-6627-PF	90.00	64	144	0.005	5	55
Samsung MT6407-77A	90.00	245	551	0.020	17	210
Andrew LNX-6514DS-VT	90.00	99	223	0.008	7	85
Andrew SBNHH-1D65B	90.00	304	684	0.025	22	261
Round Low Profile PI	90.00	1,500	3,373	0.123	107	1,286
RFS APXV18-206517S-C	80.00	79	146	0.005	5	68
		21,953	27,407	1.000	867	18,816

Site Number: 302479

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

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Customer: VERIZON WIRELESS

Load Case 1.2D + 1.0Ev + 1.0Eh

Seismic

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-26.27	-0.87	0.00	-73.75	0.00	73.75	1,564.13	420.30	1,179.53	948.21	0.00	0.00	0.044
5.00	-25.04	-0.88	0.00	-69.40	0.00	69.40	1,541.14	408.73	1,115.51	908.35	0.01	-0.02	0.042
10.00	-23.82	-0.88	0.00	-65.02	0.00	65.02	1,517.02	397.16	1,053.28	868.61	0.04	-0.03	0.040
15.00	-22.61	-0.88	0.00	-60.61	0.00	60.61	1,491.76	385.60	992.84	829.05	0.08	-0.05	0.038
20.00	-21.42	-0.88	0.00	-56.20	0.00	56.20	1,465.37	374.03	934.18	789.73	0.14	-0.07	0.037
25.00	-20.40	-0.88	0.00	-51.79	0.00	51.79	1,437.84	362.46	877.31	750.70	0.22	-0.08	0.035
29.33	-20.18	-0.88	0.00	-47.99	0.00	47.99	1,413.08	352.44	829.50	717.19	0.30	-0.10	0.033
30.00	-19.28	-0.87	0.00	-47.41	0.00	47.41	1,409.18	350.89	822.22	712.03	0.32	-0.10	0.032
32.83	-18.77	-0.87	0.00	-44.94	0.00	44.94	1,130.06	270.32	634.34	571.84	0.38	-0.11	0.039
35.00	-17.61	-0.85	0.00	-43.06	0.00	43.06	1,119.11	266.45	616.35	558.13	0.43	-0.12	0.037
40.00	-16.47	-0.84	0.00	-38.80	0.00	38.80	1,081.73	257.56	575.89	521.29	0.56	-0.13	0.035
45.00	-15.34	-0.82	0.00	-34.62	0.00	34.62	1,044.36	248.66	536.79	485.71	0.70	-0.14	0.033
50.00	-14.22	-0.79	0.00	-30.54	0.00	30.54	1,006.99	239.76	499.08	451.39	0.86	-0.16	0.030
55.00	-13.12	-0.76	0.00	-26.59	0.00	26.59	969.61	230.86	462.73	418.33	1.03	-0.17	0.027
60.00	-12.48	-0.74	0.00	-22.79	0.00	22.79	932.24	221.96	427.76	386.52	1.22	-0.18	0.025
62.92	-11.92	-0.72	0.00	-20.62	0.00	20.62	910.44	216.77	408.00	368.55	1.33	-0.19	0.023
65.00	-11.72	-0.72	0.00	-19.11	0.00	19.11	894.87	213.06	394.17	355.97	1.41	-0.19	0.022
65.75	-10.87	-0.68	0.00	-18.58	0.00	18.58	666.75	162.80	305.95	270.38	1.44	-0.19	0.024
70.00	-10.08	-0.65	0.00	-15.67	0.00	15.67	651.10	157.11	284.95	254.72	1.62	-0.20	0.021
74.00	-9.96	-0.65	0.00	-13.06	0.00	13.06	635.86	151.76	265.87	240.20	1.79	-0.21	0.018
74.00	-9.96	-0.65	0.00	-13.06	0.00	13.06	635.86	151.76	265.87	240.20	1.79	-0.21	0.070
75.00	-9.43	-0.63	0.00	-12.41	0.00	12.41	631.77	150.42	261.20	236.53	1.84	-0.21	0.067
80.00	-8.91	-0.60	0.00	-9.28	0.00	9.28	603.66	143.73	238.49	215.85	2.08	-0.24	0.058
85.00	-8.50	-0.58	0.00	-6.27	0.00	6.27	575.56	137.04	216.81	196.12	2.35	-0.27	0.047
90.00	-4.73	-0.35	0.00	-3.36	0.00	3.36	547.45	130.35	196.16	177.33	2.64	-0.29	0.028
95.00	-4.38	-0.32	0.00	-1.62	0.00	1.62	519.35	123.65	176.54	159.49	2.95	-0.30	0.019
100.00	0.00	-0.30	0.00	0.00	0.00	0.00	491.24	116.96	157.96	142.60	3.27	-0.30	0.000

Site Number: 302479

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

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Customer: VERIZON WIRELESS

Load Case 0.9D - 1.0Ev + 1.0Eh

Seismic (Reduced DL)

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-18.12	-0.87	0.00	-72.74	0.00	72.74	1,564.13	420.30	1,179.53	948.21	0.00	0.00	0.041
5.00	-17.27	-0.87	0.00	-68.39	0.00	68.39	1,541.14	408.73	1,115.51	908.35	0.01	-0.02	0.039
10.00	-16.42	-0.88	0.00	-64.03	0.00	64.03	1,517.02	397.16	1,053.28	868.61	0.04	-0.03	0.037
15.00	-15.59	-0.88	0.00	-59.65	0.00	59.65	1,491.76	385.60	992.84	829.05	0.08	-0.05	0.036
20.00	-14.77	-0.87	0.00	-55.27	0.00	55.27	1,465.37	374.03	934.18	789.73	0.14	-0.07	0.034
25.00	-14.07	-0.87	0.00	-50.91	0.00	50.91	1,437.84	362.46	877.31	750.70	0.22	-0.08	0.032
29.33	-13.92	-0.87	0.00	-47.16	0.00	47.16	1,413.08	352.44	829.50	717.19	0.30	-0.10	0.030
30.00	-13.29	-0.86	0.00	-46.58	0.00	46.58	1,409.18	350.89	822.22	712.03	0.31	-0.10	0.029
32.83	-12.94	-0.85	0.00	-44.15	0.00	44.15	1,130.06	270.32	634.34	571.84	0.37	-0.11	0.036
35.00	-12.14	-0.84	0.00	-42.29	0.00	42.29	1,119.11	266.45	616.35	558.13	0.42	-0.11	0.034
40.00	-11.36	-0.82	0.00	-38.09	0.00	38.09	1,081.73	257.56	575.89	521.29	0.55	-0.13	0.032
45.00	-10.58	-0.80	0.00	-33.97	0.00	33.97	1,044.36	248.66	536.79	485.71	0.69	-0.14	0.030
50.00	-9.80	-0.78	0.00	-29.96	0.00	29.96	1,006.99	239.76	499.08	451.39	0.85	-0.15	0.027
55.00	-9.04	-0.75	0.00	-26.07	0.00	26.07	969.61	230.86	462.73	418.33	1.01	-0.17	0.025
60.00	-8.60	-0.73	0.00	-22.33	0.00	22.33	932.24	221.96	427.76	386.52	1.20	-0.18	0.023
62.92	-8.22	-0.71	0.00	-20.21	0.00	20.21	910.44	216.77	408.00	368.55	1.31	-0.19	0.021
65.00	-8.08	-0.70	0.00	-18.73	0.00	18.73	894.87	213.06	394.17	355.97	1.39	-0.19	0.020
65.75	-7.49	-0.67	0.00	-18.20	0.00	18.20	666.75	162.80	305.95	270.38	1.42	-0.19	0.021
70.00	-6.95	-0.64	0.00	-15.34	0.00	15.34	651.10	157.11	284.95	254.72	1.59	-0.20	0.019
74.00	-6.87	-0.64	0.00	-12.78	0.00	12.78	635.86	151.76	265.87	240.20	1.76	-0.21	0.016
74.00	-6.87	-0.64	0.00	-12.78	0.00	12.78	635.86	151.76	265.87	240.20	1.76	-0.21	0.064
75.00	-6.50	-0.61	0.00	-12.14	0.00	12.14	631.77	150.42	261.20	236.53	1.81	-0.21	0.062
80.00	-6.14	-0.59	0.00	-9.07	0.00	9.07	603.66	143.73	238.49	215.85	2.04	-0.24	0.052
85.00	-5.86	-0.57	0.00	-6.12	0.00	6.12	575.56	137.04	216.81	196.12	2.31	-0.26	0.041
90.00	-3.26	-0.34	0.00	-3.28	0.00	3.28	547.45	130.35	196.16	177.33	2.59	-0.28	0.024
95.00	-3.02	-0.32	0.00	-1.58	0.00	1.58	519.35	123.65	176.54	159.49	2.90	-0.29	0.016
100.00	0.00	-0.30	0.00	0.00	0.00	0.00	491.24	116.96	157.96	142.60	3.21	-0.30	0.000

Site Number: 302479

Code: ANSI/TIA-222-H

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

6/14/2021 4:44:21 PM

Customer: VERIZON WIRELESS

Analysis Summary

Load Case	Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.0W	14.01	0.00	26.31	0.00	0.00	1053.84	74.00	0.76
0.9D + 1.0W	13.99	0.00	19.73	0.00	0.00	1042.12	74.00	0.74
1.2D + 1.0Di + 1.0Wi	3.52	0.00	41.11	0.00	0.00	285.27	74.00	0.24
1.2D + 1.0Ev + 1.0Eh	0.87	0.00	26.27	0.00	0.00	73.75	74.00	0.07
0.9D - 1.0Ev + 1.0Eh	0.87	0.00	18.12	0.00	0.00	72.74	74.00	0.06
1.0D + 1.0W	3.24	0.00	21.95	0.00	0.00	242.15	74.00	0.18

Site Number: 302479

Code: ANSI/TIA-222-H

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Site Name: Rkhl - Rocky Hill, CT

Engineering Number:13678056_C3_02

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Customer: VERIZON WIRELESS

Additional Steel Summary

			Intermediate Connectors				Max Member		
Elev	Elev		Shear	Shear			Pu	phiPn	
From	To		VQ/I	Applied	phiVn				
(ft)	(ft)	Member	(lb/in)	(kips)	(kips)	Ratio	(kip)	(kip)	Ratio
0.00	74.00	(4) SOL-#20 All Thread Bar	261.9	7.9	16.8	0.467	192.1	330.5	0.581

			Upper Termination					Lower Termination				
Elev	Elev		Connectors					Connectors				
From	To	Member	MQ/I	phiVn	Num	Num		MQ/I	phiVn	Num	Num	
(ft)	(ft)		(kips)	(kips)	Reqd	Actual	Ratio	(kips)	(kips)	Reqd	Actual	Ratio
0.00	74.00	(4) SOL-#20 All Thread Bar	63.7	12.0	6	7	0.758	0.0	12.0	0	0	0.000

Site Name:Rkhl-Rocky Hill, CT

Site Number:302479

Tower Type:MP

Design Loads (Factored) - Analysis per TIA-222-H Standards

Monolithic Mat & Pier Foundation Analysis

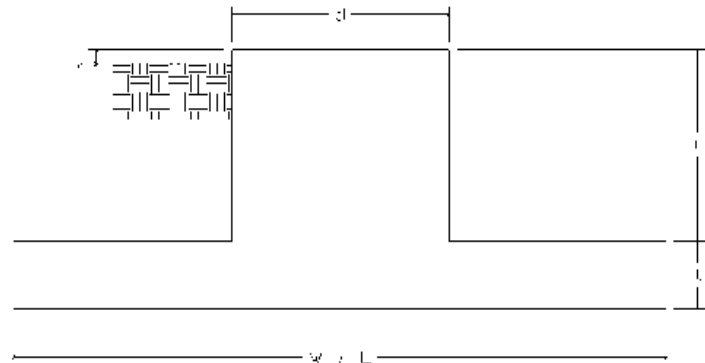
Foundation Analysis Parameters		
Design / Analysis / Mapping:	Analysis	-
Compression/Leg:	26.3	k
Uplift/Leg:	0.0	k
Total Shear:	14.0	k
Moment:	1,053.8	k-ft
Tower + Appurtenance Weight:	26.3	k
Depth to Base of Foundation (l + t - h):	8	ft
Diameter of Pier (d):	6.77	ft
Length of Pier (l):	5.5	ft
Height of Pier above Ground (h):	0.5	ft
Width of Pad (W):	18	ft
Length of Pad (L):	18	ft
Thickness of Pad (t):	3	ft
Tower Leg Center to Center:	0	ft
Number of Tower Legs:	1	-
Tower Center from Mat Center:	0	ft
Depth Below Ground Surface to Water Table:	99	ft
Unit Weight of Concrete:	150	pcf
Unit Weight of Soil Above Water Table:	100	pcf
Unit Weight of Water:	62.4	pcf
Unit Weight of Soil Below Water Table:	37.6	pcf
Friction Angle of Uplift:	0	°
Coefficient of Shear Friction:	0.35	-
Ultimate Compressive Bearing Pressure:	30,000	psf
Ultimate Passive Pressure on Pad Face:	0	psf
f _{Soil and Concrete Weight} :	0.9	-
f _{Soil} :	0.75	-

Overturning Moment Usage		
Design OTM:	1172.9	k-ft
OTM Resistance:	2747.8	k-ft
Design OTM / OTM Resistance:	43%	Pass

Soil Bearing Pressure Usage		
Net Bearing Pressure:	2848	psf
Factored Nominal Bearing Pressure:	22500	psf
Factored Nominal (Net) Bearing Pressure:	13%	Pass
Load Direction Controlling Design Bearing Pressure:	Diagonal to Pad Edge	

Sliding Factor of Safety		
Ultimate Friction Resistance:	119.5	k
Ultimate Passive Pressure Resistance:	0.0	k
Total Factored Sliding Resistance:	89.6	k
Sliding Design / Sliding Resistance:	16%	Pass

Foundation Steel Parameters		
Shear/Leg (Compression):	9.3	k
Shear/Leg (Uplift):	7.7	k
Concrete Strength (f _c):	3,000	psi
Pad Tension Steel Depth:	32.38	in
Dead Load Factor:	0.9	-
f _{Shear} :	0.75	-
f _{Flexure / Tension} :	0.9	-
f _{Compression} :	0.65	-
b:	0.85	-
Bottom Pad Rebar Size #:	10	-
# of Bottom Pad Rebar:	35	-
Pad Bottom Steel Area:	44.45	in ²
Pad Steel F _y :	60,000	psi
Top Pad Rebar Size #:	5	-
# of Top Pad Rebar:	35	-
Pad Top Steel Area:	10.85	in ²
Pier Rebar Size #:	11	-
Pier Steel Area (Single Bar):	1.56	in ²
# of Pier Rebar:	52	-
Pier Steel F _y :	60,000	psi
Pier Cage Diameter:	72.9	in
Rebar Strain Limit:	0.008	-
Steel Elastic Modulus:	29,000	ksi
Tie Rebar Size #:	4	-
Tie Steel Area (Single Bar):	0.20	in ²
Tie Spacing:	12	in
Tie Steel F _y :	60,000	psi
Clear Cover:	3	in



Pad Strength Capacity			
Factored One Way Shear (V_u):	88.4	k	ACI 318-14 25.5.5.1
One Way Shear Capacity (fV_c):	424.2	k	
V_u / fV_c :	21%	Pass	
Load Direction Controlling Shear Capacity:	Diagonal to Pad Edge		
Lower Steel Pad Factored Moment (M_u):	531.9	k-ft	ACI 318-14 22.3.1.1
Lower Steel Pad Moment Capacity (fM_n):	6215.3	k-ft	
M_u / fM_n :	9%	Pass	
Load Direction Controlling Flexural Capacity:	Diagonal to Pad Edge		
Upper Steel Pad Factored Moment (M_u):	250.4	k-ft	
Upper Steel Pad Moment Capacity (fM_n):	1556.2	k-ft	
M_u / fM_n :	16%	Pass	
Lower Pad Flexural Reinforcement Ratio:	0.0064		OK - ACI 318-14 7.6.1.1 & 8.6.1.1
Upper Pad Flexural Reinforcement Ratio:	0.0016		OK - ACI 318-14 7.6.1.1 & 8.6.1.1
Pad Shrinkage Reinforcement Ratio:	0.0079		OK - ACI 318-14 24.4.3.2
Lower Pad Reinforcement Spacing:	6.2	in	OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3
Upper Pad Reinforcement Spacing:	6.2	in	OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3
Ultimate Punching Shear Stress, v_u :	11.34	psi	ACI 318-14 R8.4.4.2.3
Nominal Punching Shear Capacity ($f_c v_c$):	164.3	psi	ACI 318-14 22.6.5.2
$v_u / f_c v_c$:	7%	Pass	
Pier Moment Pad Flexure Transfer Ratio, ψ_f :	0.60		TIA-222-H 9.4.2
Moment Transfer Effective Flexural Width, B_{eff} :	15.77	ft	TIA-222-H 9.4.2
Moment Transfer Through Pad Flexure:	8142.44	k-in	TIA-222-H 9.4.2
Moment Transfer Flexural Capacity ($fM_{sc,f}$):	65816.31	k-in	
$g_f M_{sc} / fM_{sc,f}$:	0%	Pass	

Pier Strength Capacity			
Factored Moment in Pier (M_u):	1130.9	k-ft	
Pier Moment Capacity (fM_n):	13005.5	k-ft	
M_u / fM_n :	9%	Pass	
Factored Shear in Pier (V_u):	14.0	k	ACI 318-14 22.5.1.1
Pier Shear Capacity (fV_n):	524.4	k	
V_u / fV_c :	3%	Pass	
Pier Shear Reinforcement Ratio:	0.0004		OK - No Ties Necessary for Shear - ACI11.5.6.1
Factored Tension in Pier (T_u):	0.0	k	
Pier Tension Capacity (fT_n):	4380.5	k	
T_u / fT_n :	0%	Pass	
Factored Compression in Pier (P_u):	26.3	k	ACI 318-14 22.4.2.1
Pier Compression Capacity (fP_n):	6814.5	k	
P_u / fP_n :	0%	Pass	
Pier Compression Reinforcement Ratio:	0.016		OK - TIA-222-H 9.4.1
Minimum Depth to Develop Vertical Rebar:	63	in	ACI 318-14 25.4.2.3
Minimum Hook Development Length:	31	in	ACI 318-14 25.4.3.1
Minimum Mat Thickness / Edge Distance from Pier:	34.0	in	
Minimum Foundation Depth:	8.35	ft	
$M_u/f_B M_n + T_u/f_T T_n$:	9%	Pass	

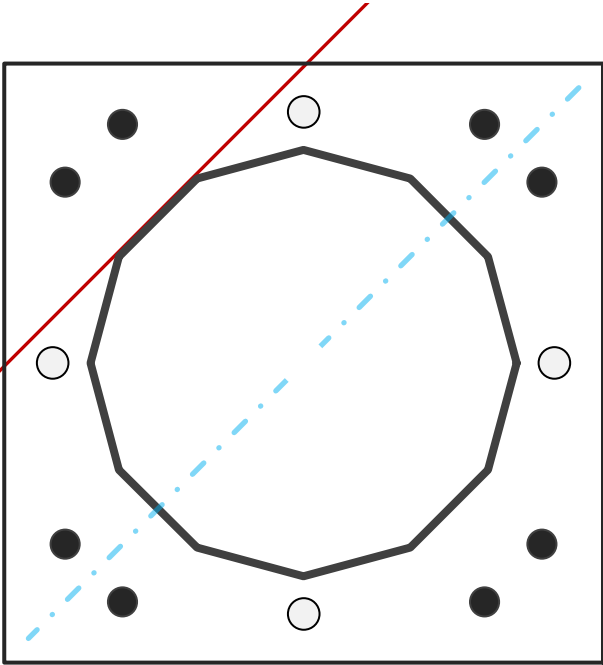
Base Plate & Anchor Rod Analysis

Pole Dimensions		
Number of Sides	12	-
Diameter	30	in
Thickness	1/4	in
Orientation Offset		°

Base Reactions		
Moment, Mu	1,053.8	k-ft
Axial, Pu	26.3	k
Shear, Vu	14.0	k
Neutral Axis	45	°

Report Capacities		
Component	Capacity	Result
Base Plate	49%	Pass
Anchor Rods	25%	Pass
Dwyidag	36%	Pass

Base Plate		
Shape	Square	-
Width	44	in
Thickness	2	in
Grade	A572-60	
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Clip	0	in
Orientation Offset	0	°
Anchor Rod Detail	c	η=0.55
Clear Distance	N/A	in
Applied Moment, Mu	840.7	k
Bending Stress, φMn	1726.7	k



Dwyidag Reinforcement		
Quantity	4	-
Bar Size	#20	in
Diameter, ø	2.5	in
Bracket Type	Angle	-
Circle	36.88	in
Orientation Offset	0	°
Applied Force, Pu	140.9	k
Dwyidag Bar, φPn	392.7	k

Original Anchor Rods		
Arrangement	Cluster	-
Quantity	8	-
Diameter, ø	2 1/4	in
Bolt Circle	44	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	6.0	in
Orientation Offset	0	°
Applied Force, Pu	63.0	k
Anchor Rods, φPn	259.8	k

Calculations for Monopole Base Plate & Anchor Rod Analysis

Reaction Distribution

Reaction	Shear Vu	Moment Mu	Factor
-	k	k-ft	-
Base Forces	14.0	456.4	0.43
Anchor Rod Forces	14.0	456.4	0.43
Additional Bolt (Grp1) Forces	0.0	0.0	0.00
Additional Bolt (Grp2) Forces	0.0	0.0	0.00
Dywidag Forces	0.0	597.4	0.57
Stiffener Forces	0.0	0.0	0.00

Geometric Properties

Section	Gross Area	Net Area	Individual Inertia	Threads per Inch	Moment of Inertia
-	in ²	in ²	in ⁴	#	in ⁴
Pole	23.0996	1.9250	0.0403		2556.06
Bolt	3.9761	3.2477	0.8393	4.5	6294.24
Bolt1	0.0000	0.0000	0.0000	0	0.00
Bolt2	0.0000	0.0000	0.0000	0	0.00
Dywidag	4.9087	4.9087	1.9175		3345.94
Stiffener	0.0000	0.0000	0.0000		0.00

Base Plate		
Shape	Square	-
Width, W	44	in
Thickness, t	2	in
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Base Plate Chord	32.187	in
Detail Type	c	-
Detail Factor	0.55	-
Clear Distance	N/A	-

Anchor Rods		
Anchor Rod Quantity, N	8	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	44	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	63.0	k
Applied Shear, Vu	0.4	k
Compressive Capacity, ϕP_n	259.8	k
Tensile Capacity, ϕR_n	0.243	OK
Interaction Capacity	0.246	OK

External Base Plate		
Chord Length AA	31.975	in
Additional AA	0.000	in
Section Modulus, Z	31.975	in ³
Applied Moment, Mu	840.7	k-ft
Bending Capacity, ϕM_n	1726.7	k-ft
Capacity, Mu/ ϕM_n	0.487	OK
Chord Length AB	30.908	in
Additional AB	0.000	in
Section Modulus, Z	30.908	in ³
Applied Moment, Mu	773.5	k-ft
Bending Capacity, ϕM_n	1669.0	k-ft
Capacity, Mu/ ϕM_n	0.463	OK
Bend Line Length	0.000	in
Additional Bend Line	0.000	in
Section Modulus, Z	0.000	in ³
Applied Moment, Mu	0.0	k-ft
Bending Capacity, ϕM_n	0.0	k-ft
Capacity, Mu/ ϕM_n		

Internal Base Plate		
Arc Length	0.000	in
Section Modulus, Z	0.000	in ³
Moment Arm	0.000	in
Applied Moment, Mu	0.0	k-ft
Bending Capacity, ϕM_n	0.0	k-ft
Capacity, Mu/ ϕM_n		

Dywidag Reinforcement		
Dywidag Quantity, N	4	-
Dywidag Diameter, d	2.5	in
Bolt Circle, BC	36.88	in
Yield Strength, Fy	80	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	140.9	k
Compressive Capacity, ϕP_n	392.7	k
Capacity, Pu/ ϕP_n	0.359	OK

Site Name: **ROCKY HILL 4 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	697	2788	90	0.0124	0.5007	2.47%
VZW CDMA	869	2	402	804	90	0.0036	0.5793	0.62%
VZW Cellular	869	4	826	3304	90	0.0147	0.5793	2.53%
VZW PCS	1970	4	1593	6372	90	0.0283	1.0000	2.83%
VZW AWS	2110	4	1563	6252	90	0.0278	1.0000	2.78%
VZW CBAND	3730.08	4	6531	26124	91.5	0.1122	1.0000	11.22%
VZW CBRS	3625	4	12	48	88	0.0002	1.0000	0.02%
Total Percentage of Maximum Permissible Exposure								22.47%

*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

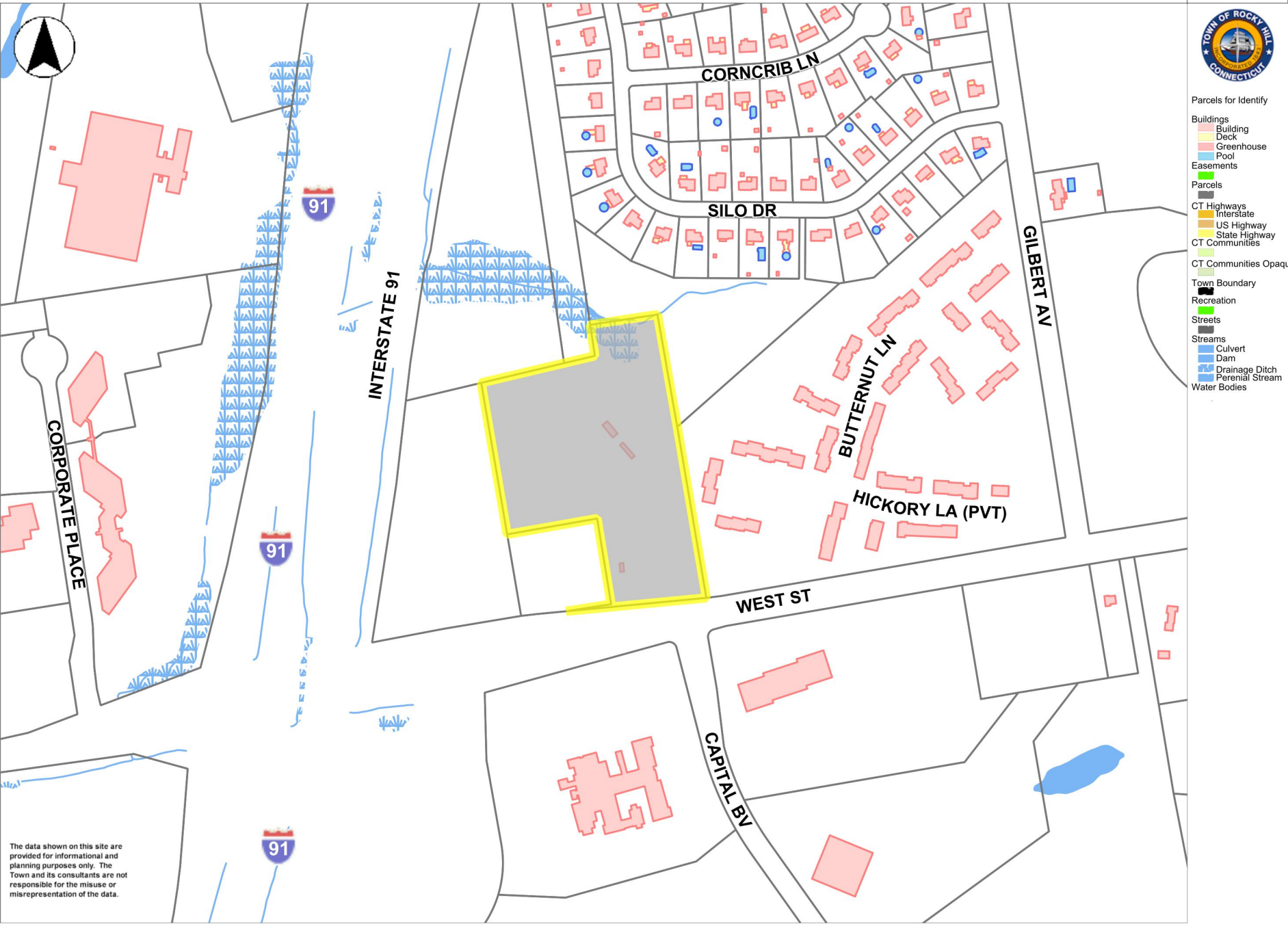
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.



- Parcels for Identify
- Buildings
 - Building
 - Deck
 - Greenhouse
 - Pool
 - Easements
 - Parcels
 - CT Highways
 - Interstate
 - US Highway
 - State Highway
 - CT Communities Opaque
 - Town Boundary
 - Recreation
 - Streets
 - Streams
 - Culvert
 - Dam
 - Drainage Ditch
 - Perennial Stream
 - Water Bodies

0 550 1100 ft

Printed on 08/31/2021 at 08:00 AM

MapsOnline by PeopleGIS

Situs : 699 WEST STREET	PARCEL ID: 1181	Class: 400V	Card: 1 of 1	Printed: March 5, 2020
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CURRENT OWNER	GENERAL INFORMATION
CONNECTICUT LIGHT + POWER CO THE PO BOX 270 HARTFORD CT 06141-0270 139/448 07/01/1982	Living Units Neighborhood I Alternate ID 001195 Vol / Pg 139/448 Map/Lot 12-192 Zoning R-20 Class COMMERCIAL

Property Notes



12-192-001 11/05/2012

Land Information				
Type	Size	Influence Factors	Influence %	Value
Primary	AC	5.0000		900,000
Excess	AC	4.9800		99,600
Total Acres: 9.98				
Spot: Location:				

Assessment Information					
	Assessed	Appraised	Cost	Income	Market
Land	699,720	999,600	999,600	0	0
Building	143,570	205,100	205,100	0	0
Total	843,290	1,204,700	1,204,700	0	0
Manual Override Reason					
Base Date of Value					
Effective Date of Value					
Value Flag					
Gross Building:					

Entrance Information			
Date	ID	Entry Code	Source
12/16/13	ST	Hearing No Change	From Conversion
01/27/09	ST	Hearing No Change	From Conversion

Permit Information					
Date Issued	Number	Price	Purpose	% Complete	
04/25/18	2018-428	25,000	CM	At&T, An Existing Tenant On The I	0
01/18/17	2017-323	15,000	RE	Verizon Wireless Is Replacing Ant	0
03/07/13	2013-0266	15,000	CM	Install Antenna'S And All Related E	0
11/30/12	2013-0148	2,900	EL	Wiring For Antennas	0
09/07/12	2013-0079	20,000	CM	Replace And Wire Anttenas On Ex	0

Sales/Ownership History						
Transfer Date	Price	Type	Validity	Deed Reference	Deed Type	Grantee
07/01/82		Vacant - Land Only Sale	No Consideration	139/448	No Consideration	CONNECTICUT LIGHT + POWER CO THE

Inspection Witnessed By _____

Situs : 699 WEST STREET

Parcel Id: 1181

Class: 400V

Card: 1 of 1

Printed: March 5, 2020

Building Information		Building Other Features															
Year Built/Eff Year	/	Line	Type	+/-	Meas1	Meas2	# Stops	Ident	Units	Line	Type	+/-	Meas1	Meas2	# Stops	Ident	Units
Building #																	
Structure Type																	
Identical Units																	
Total Units																	
Grade																	
# Covered Parking																	
# Uncovered Parking																	
DBA																	

Interior/Exterior Information														
Line	Level From - To	Int Fin	Area	Perim	Use Type	Wall Height	Ext Walls	Construction	Partitions	Heating	Cooling	Plumbing	Physical	Functional

Interior/Exterior Valuation Detail						Outbuilding Data									
Line	Area	Use Type	% Good	% Complete	Use Value/RCNLD	Line	Type	Yr Blt	Meas1	Meas2	Qty	Area	Grade	Phy Fun	Value
						1	Frame Shed	2003			1	312	A	G	3,280
						2	Miscellane	2018			1	1	C	G	
						3	Tower Cell	2008			1	150	C	G	198,000
						4	Frame Shed	2003			1	360	A	G	3,780

Situs : 699 WEST STREET	Parcel Id: 1181	Class: 400V	Card: 1 of 1	Printed: March 5, 2020
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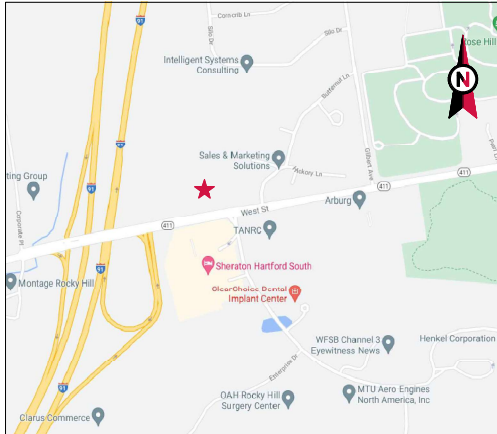
Additional Property Photos

Situs : 699 WEST STREET	Parcel Id: 1181	Class: 400V	Card: 1 of 1	Printed: March 5, 2020
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Income Detail (Includes all Buildings on Parcel)																	
Use Mod Grp	Inc Type	Model Description	Units	Net Area	Income Rate	Econ Adjust	Potential Gross Income	Vac Model	Vac Adj	Additional Income	Effective Gross Income	Expense Model %	Expense Adj %	Expense Adj	Other Expenses	Total Expenses	Net Operating Income

Apartment Detail - Building 1 of 1								Building Cost Detail - Building 1 of 1			
Line	Use Type	Per Bldg	Beds	Baths	Units	Rent	Income				
								Total Gross Building Area			
								Replace, Cost New Less Depr			
								Percent Complete			
								Number of Identical Units			
								Economic Condition Factor			
								Final Building Value			
								Value per SF			

Notes - Building 1 of 1								Income Summary (Includes all Building on Parcel)			
								Total Gross Rent Area			
								Total Gross Building Area			



VICINITY MAP



ATC SITE NAME: RKHL - ROCKY HILL
ATC SITE NUMBER: 302479
VERIZON SITE NAME: ROCKY HILL 4 CT
VERIZON SITE NUMBER: 535833
SITE ADDRESS: 699 WEST STREET
ROCKY HILL, CT 06067



LOCATION MAP

VERIZON
5G L-SUB6-CARRIER ADD ANTENNA AMENDMENT DRAWINGS

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX				
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. 1. 2018 CONNECTICUT STATE BUILDING CODE-AMENDMENTS TO IBC 2015 2. INTERNATIONAL BUILDING CODE 2015, INTERNATIONAL CODE COUNCIL 3. TIA-222-G-4, STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS 4. ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, AMERICAN SOCIETY OF CIVIL ENGINEERS 5. STEEL CONSTRUCTION MANUAL 14TH EDITION, AMERICAN INSTITUTE OF STEEL CONSTRUCTION 6. CITY/COUNTY ORDINANCES	<u>SITE ADDRESS:</u> 699 WEST STREET ROCKY HILL, CT 06067 COUNTY: HARTFORD <u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 41.65176 LONGITUDE: -72.66847 GROUND ELEVATION: 200' AMSL	THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW: REMOVE (3) ANTENNA(s), (6) RRU(s), (1) OVP AND (2) NON LI HYBRID CABLE(s) INSTALL (6) ANTENNA(s), (12) RRU(s), (1) OVP AND (2) 6X12 1-5/8" HYBRID CABLE(s) RELOCATE (3) ANTENNA(s) EXISTING (6) ANTENNA(s) AND (6) 1-5/ 8" TO REMAIN	SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
	PROJECT TEAM <u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> DEWBERRY ENGINEERS, INC. 99 SUMMER STREET SUITE 700 BOSTON, MA 02100 <u>PROPERTY OWNER:</u> THE CONNECTICUT LIGHT AND POWER CO 699 WEST STREET ROCKY HILL, CT 06067	PROJECT NOTES 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED. 6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).	G-001	TITLE SHEET	0	08/09/21	SL
			G-002	GENERAL NOTES	0	08/09/21	SL
			C-101	DETAILED SITE PLAN	0	08/09/21	SL
			C-201	TOWER ELEVATION	0	08/09/21	SL
ANTENNA INFORMATION & SCHEDULE			0	08/09/21	SL		
CONSTRUCTION DETAILS			0	08/09/21	SL		
GROUNDING DETAILS			0	08/09/21	SL		
SUPPLEMENTAL							
SUPPLEMENTAL							
MOUNT MODIFICATION DRAWINGS (11 PAGES)							



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FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
△	PRELIM	SL	07/02/21
△	FINAL	SL	08/09/21
△			
△			

ATC SITE NUMBER:
302479

ATC SITE NAME:
RKHL - ROCKY HILL

VERIZON SITE NAME:
ROCKY HILL 4 CT

SITE ADDRESS:
699 WEST STREET
ROCKY HILL, CT 06067

SEAL:



verizon

DATE DRAWN: 07/02/21
ATC JOB NO: 13678056
CUSTOMER ID: ROCKY HILL 4 CT
CUSTOMER #: 535833

TITLE SHEET

SHEET NUMBER: G-001
REVISION: 0

GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS. VERIZON "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL.
- A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
- B. AC/TELCO INTERFACE BOX (PIC)
- C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GO TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
- D. TOWERS, MONOPOLES
- E. TOWER LIGHTING
- F. GENERATORS & LIQUID PROPANE TANK
- G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
- H. ANTENNAS (INSTALLED BY OTHERS)
- I. TRANSMISSION LINE
- J. TRANSMISSION LINE JUMPEES
- K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
- L. TRANSMISSION LINE GROUND KITS
- M. HANGERS
- N. HOISTING GRIPS
- O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUBFRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR XIT CHEMICAL (GROUND RODS), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF VERIZON TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING 48 USC 1532A-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL, SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC, BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE VERIZON REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE VERIZON REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH VERIZON AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.

22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY VERIZON REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PIPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
29. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
30. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE VERIZON REP. ANY WORK FOUND BY THE VERIZON REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
31. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
32. VERIZON FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE VERIZON WAREHOUSE, NO LATER THAN 48-HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
33. VERIZON OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO VERIZON OR THEIR ARCHITECT/ENGINEER.

SPECIAL CONSTRUCTION

ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:
- A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY VERIZON UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL AND
- B. INSTALL ANTENNA AS INDICATE ON DRAWINGS AND VERIZON SPECIFICATIONS.
- C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS
- D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE.
- E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZUPACKARD 8713B RF SCALAR NETWORK ANALYZER. SUBMIT FREQUENCY DOMAIN REFLECTOMETER(DR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RFS "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATED 10/6/03. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.
- F. INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
- G. ANTENNA AND COAXIAL CABLE GROUNDING:
2. ALL EXTERIOR #6 GREEDED GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #21213 OR EQUAL.
3. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS)

ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.



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REV.	DESCRIPTION	BY	DATE
△	PRELIM	SL	07/02/21
△	FINAL	SL	08/09/21
△			
△			

ATC SITE NUMBER:
302479

ATC SITE NAME:
RKHL - ROCKY HILL

VERIZON SITE NAME:
ROCKY HILL 4 CT

SITE ADDRESS:
699 WEST STREET
ROCKY HILL, CT 06067

SEAL:



DATE DRAWN:	07/02/21
ATC JOB NO:	13678056
CUSTOMER ID:	ROCKY HILL 4 CT
CUSTOMER #:	535833

GENERAL NOTES

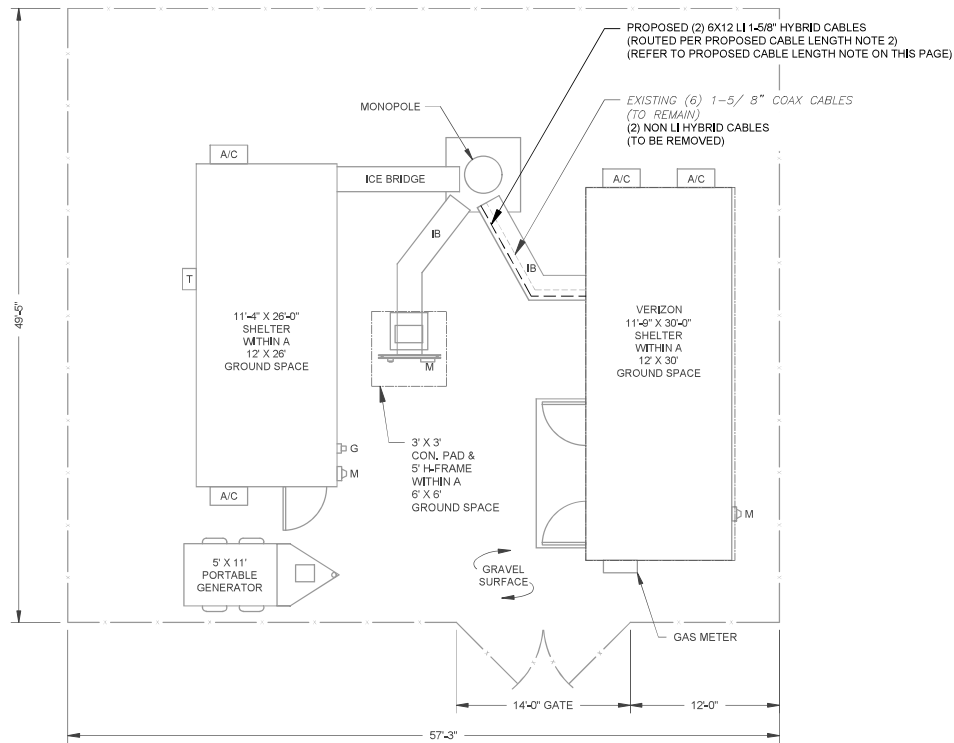
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G-002	0

SITE PLAN NOTES:

- THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
- ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN, BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT. CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
- THIS PROJECT INCLUDES NO INSTALL OR MODIFICATION AT GRADE.

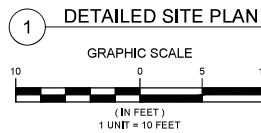
LEGEND

⊗	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACAL
HH, V	HAND HOLE, VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
M	METER
PB	PULL BOX
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
— — —	CHAINLINK FENCE



PROPOSED CABLE LENGTH:

- ESTIMATED LENGTH OF PROPOSED CABLE IS 117'. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES). CDS DEFER TO GREATEST CABLE LENGTH.
- ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS, WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER, OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).



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△	PRELIM	SL	07/02/21
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△			
△			

ATC SITE NUMBER:
302479

ATC SITE NAME:
RKHL - ROCKY HILL

VERIZON SITE NAME:
ROCKY HILL 4 CT

SITE ADDRESS:
699 WEST STREET
ROCKY HILL, CT 06067

SEAL:

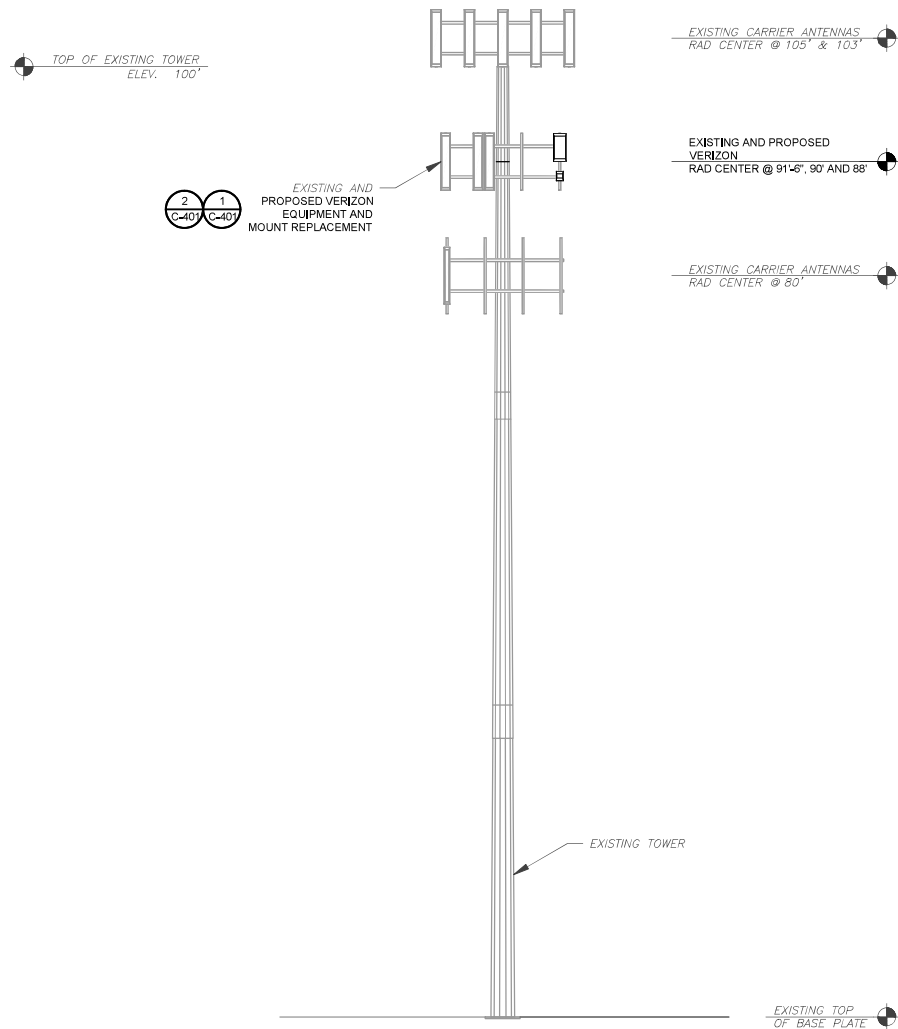


verizon

DATE DRAWN:	07/02/21
ATC JOB NO:	13678056
CUSTOMER ID:	ROCKY HILL 4 CT
CUSTOMER #:	535833

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0



PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING CONNECTICUT, DATED 07/09/21, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION DETAILED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.

- TOWER NOTE:**
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
 2. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLEING, ETC, SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
 3. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING, ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.
 4. TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)

1 TOWER ELEVATION
SCALE: N.T.S.



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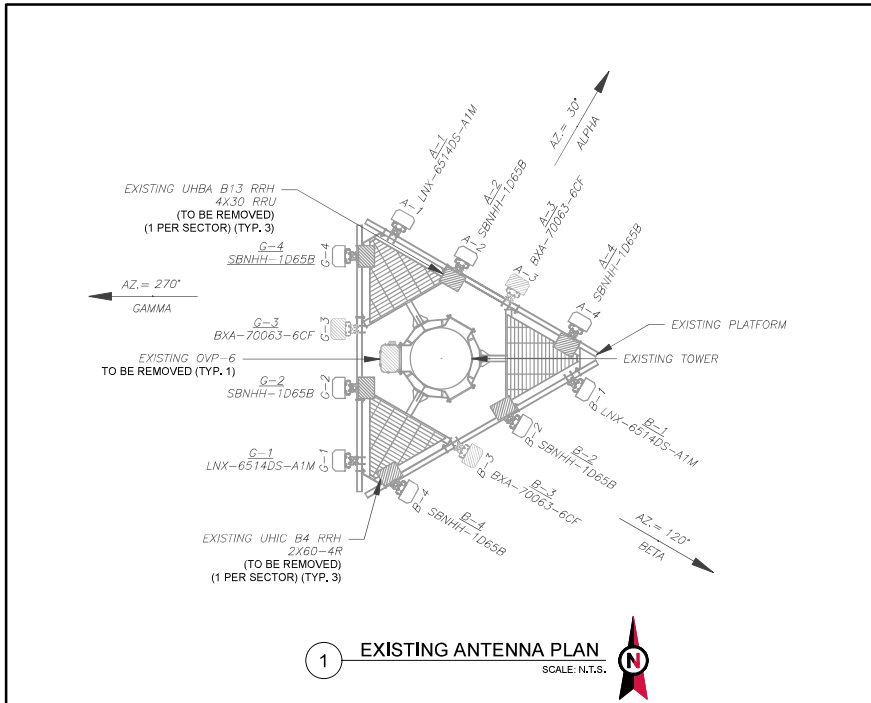
VERIZON SITE NAME:
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SITE ADDRESS:
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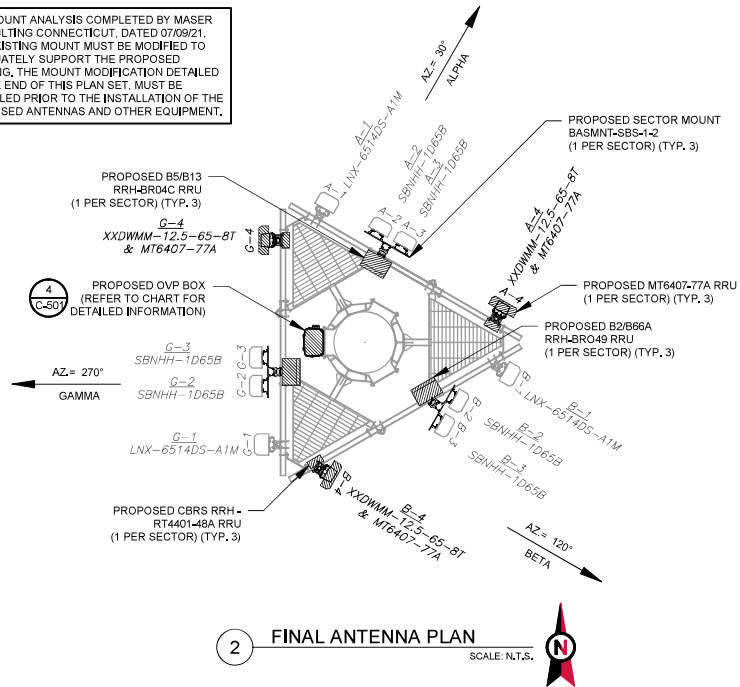


DATE DRAWN:	07/02/21
ATC JOB NO:	13678056
CUSTOMER ID:	ROCKY HILL 4 CT
CUSTOMER #:	535833

TOWER ELEVATION	
SHEET NUMBER: C-201	REVISION: 0



PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING CONNECTICUT, DATED 07/09/21, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION DETAILED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



EXISTING ANTENNA SCHEDULE								
LOCATION		ANTENNA SUMMARY				NON ANTENNA SUMMARY		
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT
ALPHA	90°	30°	A1	LNX-6514DS-A1M	850 CDMA	0/0	RMN	UHBA B13 RRH 4X30 RRU
			A2	SBNHH-1D65B	700/AWS	0/2.4	RMN	
			A3	BXA-70063-6CF	-	-	RMV	
			A4	SBNHH-1D65B	700/AWS	0/2.4	REL	UHIC B4 RRH 2X60 RRU
BETA	90°	120°	B1	LNX-6514DS-A1M	850 CDMA	0/0	RMN	
			B2	SBNHH-1D65B	700/AWS	0/2.4	RMN	UHBA B13 RRH 4X30 RRU
			B3	BXA-70063-6CF	-	-	RMV	
			B4	SBNHH-1D65B	700/AWS	0/2.4	REL	UHIC B4 RRH 2X60 RRU
GAMMA	90°	270°	G1	LNX-6514DS-A1M	850 CDMA	0/0	RMN	
			G2	SBNHH-1D65B	700/AWS	0/2.4	RMN	UHBA B13 RRH 4X30 RRU
			G3	BXA-70063-6CF	-	-	RMV	
			G4	SBNHH-1D65B	700/AWS	0/2.4	REL	UHIC B4 RRH 2X60 RRU

NOTES

- CONFIRM WITH VERIZON REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFG), GC TO CAP ALL UNUSED PORTS.
- CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.

STATUS ABBREVIATIONS

RMV: TO BE REMOVED
RMN: TO REMAIN
REL: TO BE RELOCATED
ADD: TO BE ADDED

CABLE LENGTHS FOR JUMPERS

JUNCTION BOX TO RRU: 15' RRU TO ANTENNA: 10'

FINAL ANTENNA SCHEDULE								
LOCATION		ANTENNA SUMMARY				NON ANTENNA SUMMARY		
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT
ALPHA	90°	30°	A1	LNX-6514DS-A1M	850 CDMA	0/0	RMN	B2/B66A RRH-BR04C
			A2	SBNHH-1D65B	700/850 5G/1900/AWS	0/2.2.4.4	RMN	B5/B13 RRH-BR04C
			A3	SBNHH-1D65B	700/850 5G/1900/AWS	0/2.2.4.4	REL	MT6407-77A
			A4	MT6407-77A	L-SUB6	0/6	ADD	CBRS RRH - RT4401-48A
BETA	90°	120°	B1	LNX-6514DS-A1M	850 CDMA	0/0	RMN	
			B2	SBNHH-1D65B	700/850 5G/1900/AWS	0/2.2.4.4	RMN	B2/B66A RRH-BR04C
			B3	SBNHH-1D65B	700/850 5G/1900/AWS	0/2.2.4.4	REL	B5/B13 RRH-BR04C
			B4	MT6407-77A	L-SUB6	0/6	ADD	MT6407-77A
GAMMA	90°	270°	G1	LNX-6514DS-A1M	850 CDMA	0/0	RMN	
			G2	SBNHH-1D65B	700/850 5G/1900/AWS	0/2.2.4.4	RMN	B2/B66A RRH-BR04C
			G3	SBNHH-1D65B	700/850 5G/1900/AWS	0/2.2.4.4	REL	B5/B13 RRH-BR04C
			G4	MT6407-77A	L-SUB6	0/6	ADD	MT6407-77A

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
-	-	(6) 1-5/8"	-	RMN
OVP 6	RMV	-	(2) NON LI	RMV

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
-	-	(6) 1-5/8"	-	RMN
RCMDC-6627-PF-48	ADD	-	(2) 6X12 LI 1-5/8"	ADD



Dewberry
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0901
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
△	PRELIM	SL	07/02/21
△	FINAL	SL	08/09/21
△			
△			

ATC SITE NUMBER:
302479

ATC SITE NAME:
RKHL - ROCKY HILL

VERIZON SITE NAME:
ROCKY HILL 4 CT

SITE ADDRESS:
699 WEST STREET
ROCKY HILL, CT 06067

SEAL:

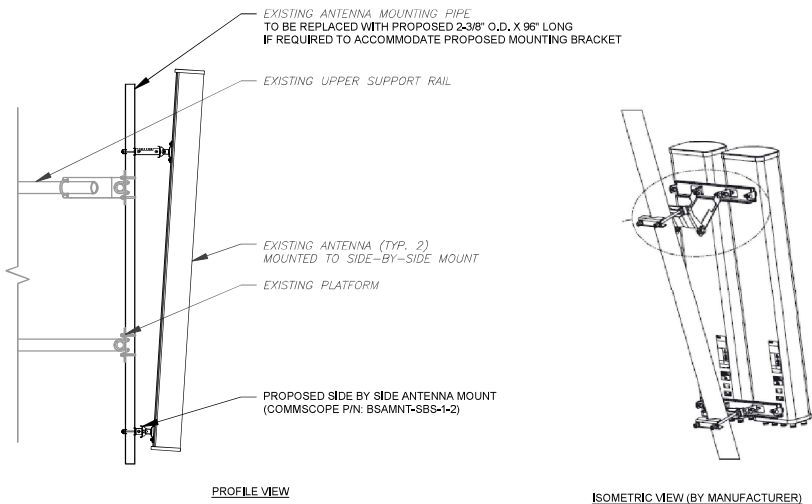


verizon

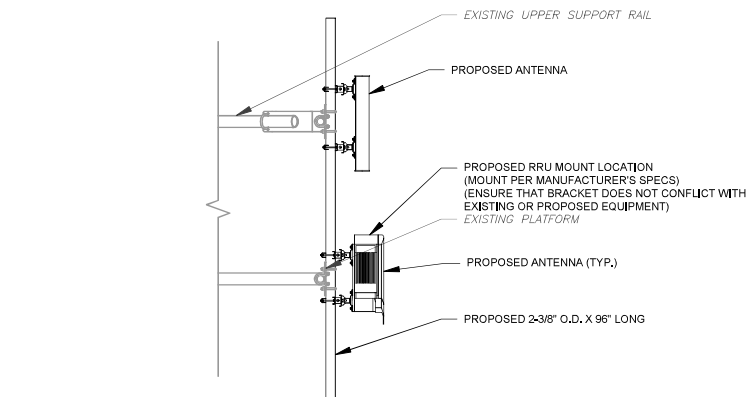
DATE DRAWN: 07/02/21
ATC JOB NO: 13678056
CUSTOMER ID: ROCKY HILL 4 CT
CUSTOMER #: 535833

ANTENNA INFORMATION & SCHEDULE

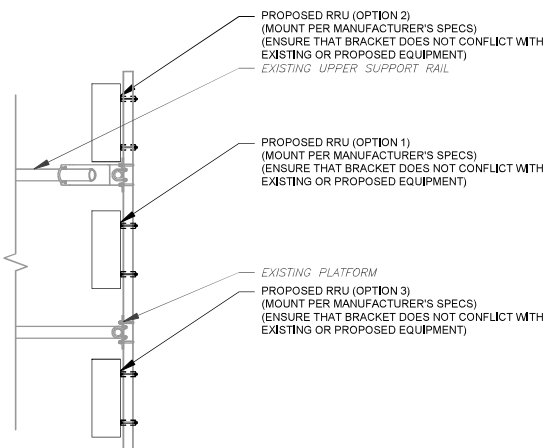
SHEET NUMBER: **C-401**
REVISION: **0**



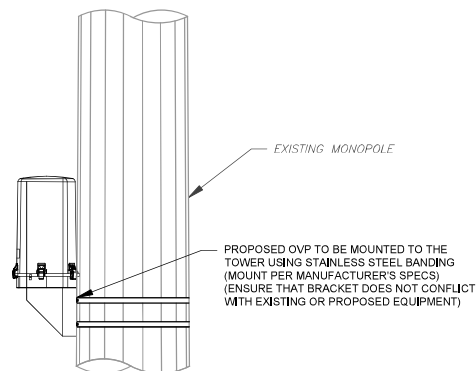
1 PROPOSED SIDE-BY-SIDE MOUNT
SCALE: NOT TO SCALE



2 PROPOSED 5G AND XXDWMM ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



3 PROPOSED RRU MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



4 PROPOSED OVP MOUNTING
SCALE: N.T.S.



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FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
△	PRELIM	SL	07/02/21
△	FINAL	SL	08/09/21
△			
△			

ATC SITE NUMBER:
302479

ATC SITE NAME:
RKHL - ROCKY HILL

VERIZON SITE NAME:
ROCKY HILL 4 CT

SITE ADDRESS:
699 WEST STREET
ROCKY HILL, CT 06067

SEAL:

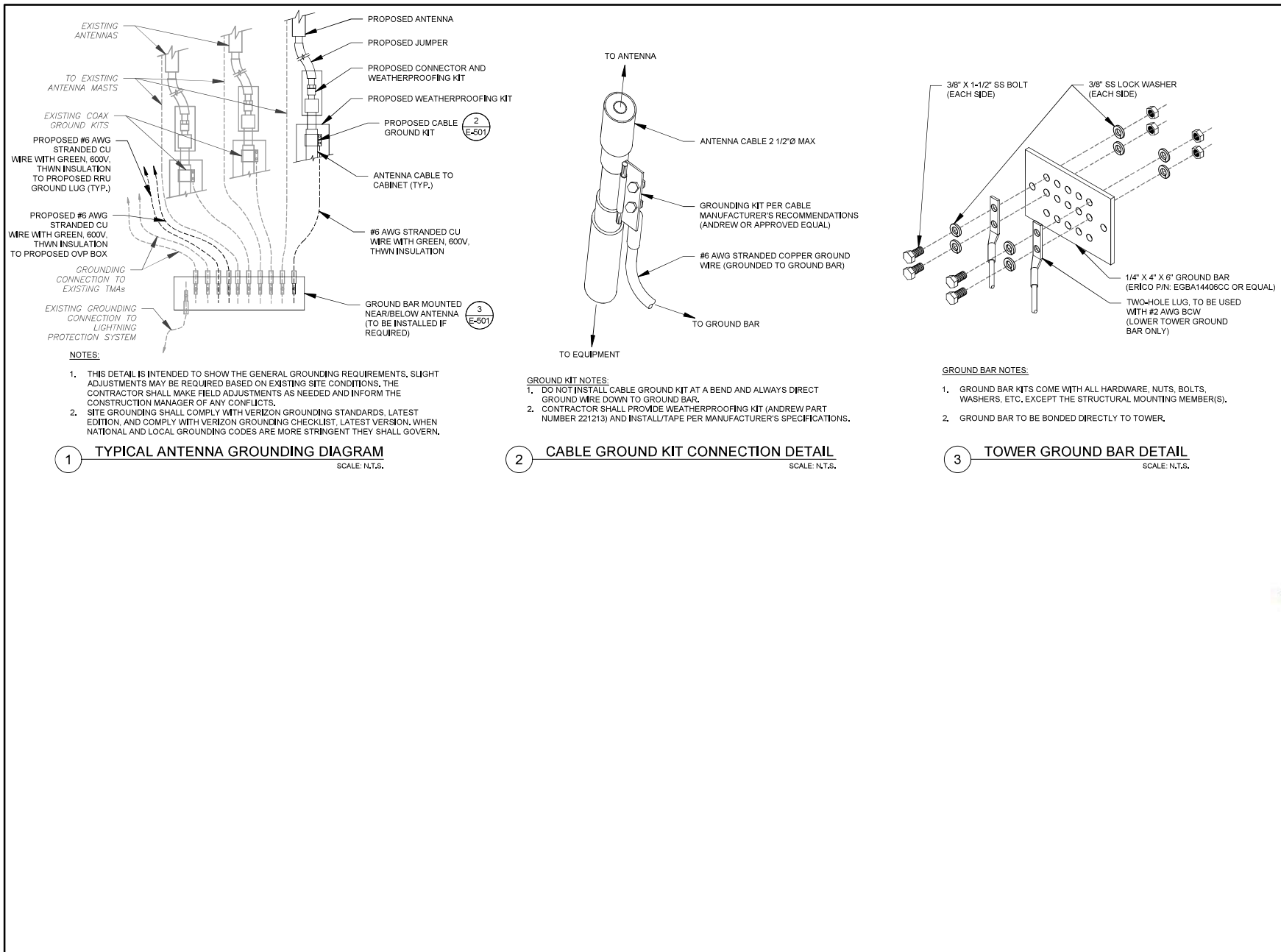


verizon

DATE DRAWN:	07/02/21
ATC JOB NO:	13678056
CUSTOMER ID:	ROCKY HILL 4 CT
CUSTOMER #:	535833

CONSTRUCTION
DETAILS

SHEET NUMBER:	REVISION:
C-501	0





American Tower



Dewberry Engineers Inc.

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BOSTON, MA 02110
PHONE: 617.531.0901
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
△	PRELIM	SL	07/02/21
△	FINAL	SL	08/09/21
△			
△			

ATC SITE NUMBER:
302479

ATC SITE NAME:
RKHL - ROCKY HILL

VERIZON SITE NAME:
ROCKY HILL 4 CT

SITE ADDRESS:
699 WEST STREET
ROCKY HILL, CT 06067

SEAL:

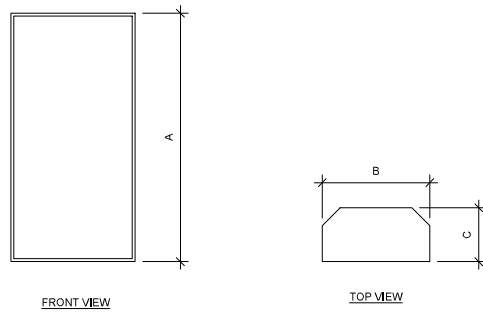




DATE DRAWN:	07/02/21
ATC JOB NO:	13678056
CUSTOMER ID:	ROCKY HILL 4 CT
CUSTOMER #:	535833

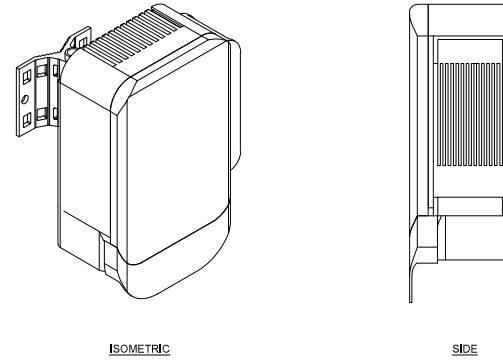
GROUNDING DETAILS

SHEET NUMBER: E-501	REVISION: 0
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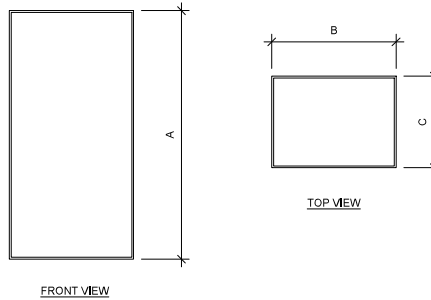
1 **ANTENNA SPECIFICATIONS**
FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
MT6407-77A	35.1"	16.1"	5.5"	81.6



ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
XXDWMM-12.5-65-8T-CBRS	10.7"	9.1"	1.2"	4.4
CBRS RRH-RT4401-48A	12.1"	8.5"	4.1"	18.6

2 **PROPOSED CBRS RRH WITH XXDWMM CLIP ANTENNA DETAIL**
NOT TO SCALE



3 **RRU SPECIFICATIONS**
FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
B2/B66A RRH-BR049	15.0"	15.0"	10.0"	84.4
B5/B13 RRH-BR04C	15.0"	15.0"	8.1"	70.3
MT6407-77A	35.1"	16.1"	5.5"	81.6



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RKHL - ROCKY HILL

VERIZON SITE NAME:
ROCKY HILL 4 CT

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699 WEST STREET
ROCKY HILL, CT 06067

verizon

DATE DRAWN: 07/02/21
ATC JOB NO: 13678056
CUSTOMER ID: ROCKY HILL 4 CT
CUSTOMER #: 535833

SUPPLEMENTAL

SHEET NUMBER:
R-601



Mount Post-Modification Analysis Report
(1) 12.00-Ft Platform

July 9, 2021
Site ID: 535833-VZW / ROCKY HILL 4 CT
Page | 4

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - 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
8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	15.9 %	Pass
Platform Crossmember	32.4 %	Pass
Dual Mount Pipe	24.6 %	Pass
Mount Pipe	30.9 %	Pass
Grating Support	19.8 %	Pass
Face Horizontal	12.2 %	Pass
Cross Arm Plate	41.4 %	Pass
Corner Plate	40.6 %	Pass
Kickers	8.7 %	Pass
Support Rail	13.4 %	Pass
Support Rail Corner	20.7 %	Pass
Mount Connection	22.2 %	Pass

Structure Rating – (Controlling Utilization of all Components)	41.4%
--	-------

Recommendation:

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

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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10082847
Maser Consulting Connecticut Project #: 21777941A

July 9, 2021

Site Information

Site ID: 535833-VZW / ROCKY HILL 4 CT
Site Name: ROCKY HILL 4 CT
Carrier Name: Verizon Wireless
Address: 2 West Street
Rocky Hill, Connecticut 06067
Hartford County
Latitude: 41.651764°
Longitude: -72.668472°

Structure Information

Tower Type: 107-Ft Monopole
Mount Type: 12.00-Ft Platform

FUZE ID # 16502069

Analysis Results

Platform: 41.4% Pass

*****Contractor PMI Requirements:**

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

Report Prepared By: Lauren Luzier

1 MOUNT ANALYSIS

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. PLEASE REFERENCE THE MOUNT ANALYSIS REPORT FOR COMPLETE MOUNT ANALYSIS CALCULATIONS AND DETAILS. SUPPLEMENTAL PAGES INCLUDED IN THE CONSTRUCTION DRAWINGS ARE FOR REFERENCE ONLY. GENERAL CONTRACTOR IS TO VERIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS PRIOR TO CONSTRUCTION.



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BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

ATC SITE NUMBER
302479

ATC SITE NAME:
RKHL - ROCKY HILL

VERIZON SITE NAME:
ROCKY HILL 4 CT

SITE ADDRESS:
699 WEST STREET
ROCKY HILL, CT 06067



DATE DRAWN:	07/02/21
ATC JOB NO:	13678056
CUSTOMER ID:	ROCKY HILL 4 CT
CUSTOMER #:	535833

SUPPLEMENTAL

SHEET NUMBER:
R-602

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Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mount Laurel, NJ 08054
856.797.0412
Peter.Albano@colliersengineering.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10082847
Maser Consulting Connecticut Project #: 21777941A

July 9, 2021

Site Information

Site ID: 535833-VZW / ROCKY HILL 4 CT
Site Name: ROCKY HILL 4 CT
Carrier Name: Verizon Wireless
Address: 2 West Street
Rocky Hill, Connecticut 06067
Hartford County
Latitude: 41.651764°
Longitude: -72.668472°

Structure Information

Tower Type: 107-Ft Monopole
Mount Type: 12.00-Ft Platform

FUZE ID # 16502069

Analysis Results

Platform: 41.4% Pass

***Contractor PMI Requirements:

Included at the end of this MA report

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

Contractor - Please Review Specific Site PMI Requirements Upon Award

Requirements also Noted on Mount Modification Drawings

Requirements may also be Noted on A & E drawings

Report Prepared By: Lauren Luzier

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
<i>Radio Frequency Data Sheet (RFDS)</i>	<i>Verizon RFDS, Site ID 675027, dated May 3, 2021</i>
<i>Mount Mapping Report</i>	<i>Structural Components, Site ID: 16502069, May 4, 2021</i>
<i>Previous Mount Analysis Report</i>	<i>Maser Consulting Connecticut Project #: 21777941A, dated June 25, 2021</i>
<i>Mount Modification Drawings</i>	<i>Maser Consulting Connecticut Project #: 21777941A, dated July 8, 2021</i>

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 118 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.50 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.993
Seismic Parameters:	S_s : 0.201 S_1 : 0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
89.50	91.50	3	Samsung	MT6407-77A	Added
	90.00	3	Commscope	LNK-6514DS-A1M	Retained
		6	Andrew	SBNHH-1D65B	
		3	Samsung	B2/B66A RRH-BR049	Added
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48	
	88.00	3	Samsung	XXDWMM-12.5-65 - CBRS	

The recent mount mapping did not report existing OVP units. However, it is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required.

Model Number	Ports	AKA
RC3DC-3315-PF-48	6	OVP-6
RHSDC-6627-PF-48	12	OVP-12

Standard Conditions:

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

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

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

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

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - HSS (Rectangular) ASTM 500 (Gr. B-46)
 - Pipe ASTM A53 (Gr. B-35)
 - Threaded Rod F1554 (Gr. 36)
 - Bolts ASTM A325
8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
<i>Standoff Horizontal</i>	<i>15.9 %</i>	<i>Pass</i>
<i>Platform Crossmember</i>	<i>32.4 %</i>	<i>Pass</i>
<i>Dual Mount Pipe</i>	<i>24.6 %</i>	<i>Pass</i>
<i>Mount Pipe</i>	<i>30.9 %</i>	<i>Pass</i>
<i>Grating Support</i>	<i>19.8 %</i>	<i>Pass</i>
<i>Face Horizontal</i>	<i>12.2 %</i>	<i>Pass</i>
<i>Cross Arm Plate</i>	<i>41.4 %</i>	<i>Pass</i>
<i>Corner Plate</i>	<i>40.6 %</i>	<i>Pass</i>
<i>Kickers</i>	<i>8.7 %</i>	<i>Pass</i>
<i>Support Rail</i>	<i>13.4 %</i>	<i>Pass</i>
<i>Support Rail Corner</i>	<i>20.7 %</i>	<i>Pass</i>
<i>Mount Connection</i>	<i>22.2 %</i>	<i>Pass</i>

Structure Rating – (Controlling Utilization of all Components)	41.4%
---	--------------

Recommendation:

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

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

Attachments:

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





Antenna Mount Mapping Form (PATENT PENDING)

FCC #
1286220

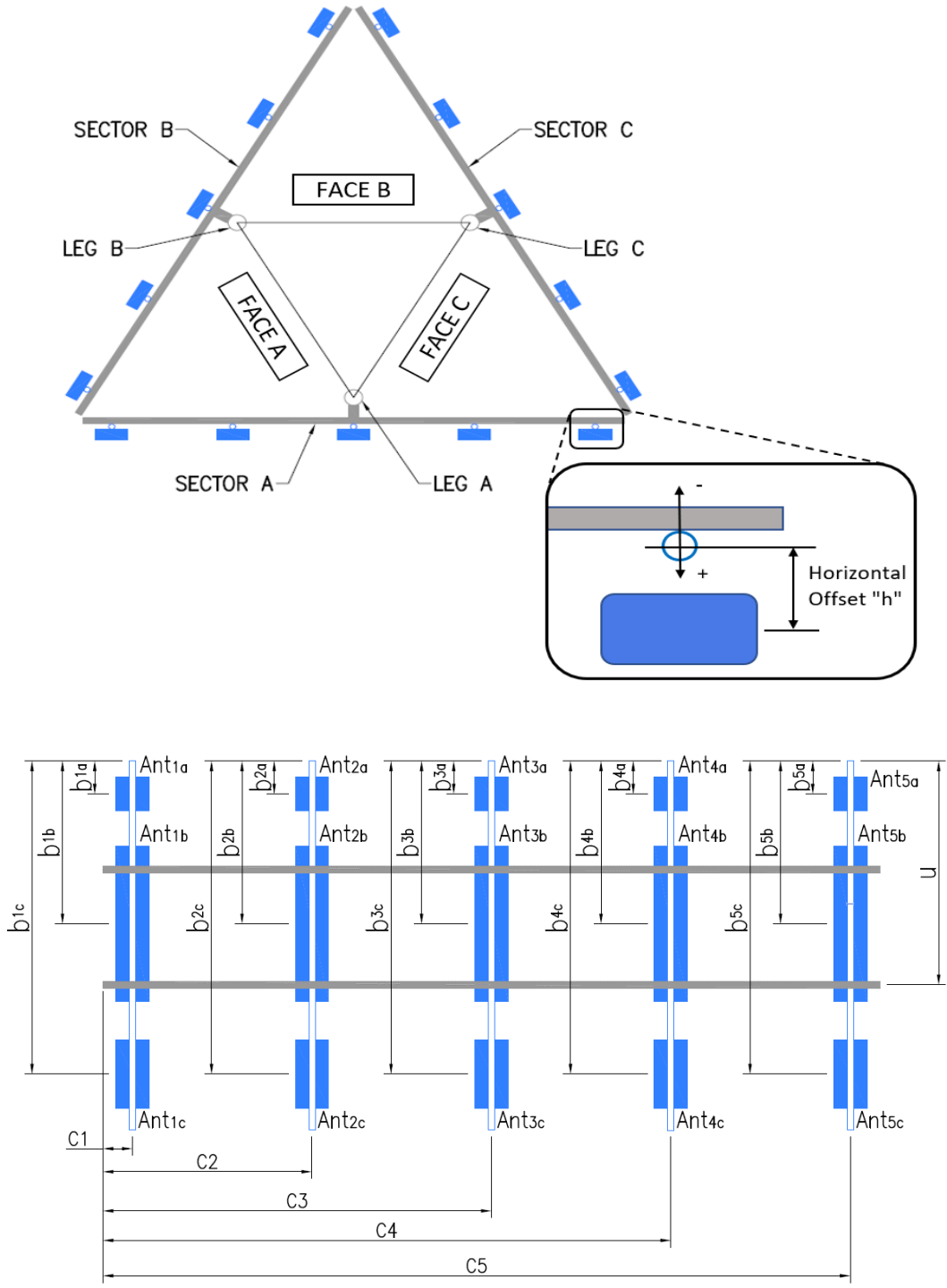
Tower Owner:	American Tower	Mapping Date:	5/4/2021
Site Name:	RKHL- Rocky hill	Tower Type:	Monopole
Site Number or ID:	16502069	Tower Height (Ft.):	107
Mapping Contractor:	Structural Components	Mount Elevation (Ft.):	88

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

Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2-3/8x .16x 72	38.00	16.00	C1	2-3/8x .16x 72	38.50	16.00
A2	2-3/8x .16x 72	38.25	51.50	C2	2-3/8x .16x 72	38.25	51.50
A3	2-3/8x .16x 72	38.50	103.75	C3	2-3/8x .16x 72	39.00	102.75
A4	2-3/8x .16x 72	38.00	127.75	C4	2-3/8x .16x 72	38.25	126.75
A5				C5			
A6				C6			
B1	2-3/8x .16x 72	38.00	17.00	D1			
B2	2-3/8x .16x 72	38.00	52.50	D2			
B3	2-3/8x .16x 72	38.00	94.25	D3			
B4	2-3/8x .16x 72	38.25	127.25	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							44
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							59
Please enter additional infomation or comments below.							
Column R31 keeps changing my fractions and decimals for weld size into dates it was 3/8 inch							
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):					14.8
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.							8-Mar

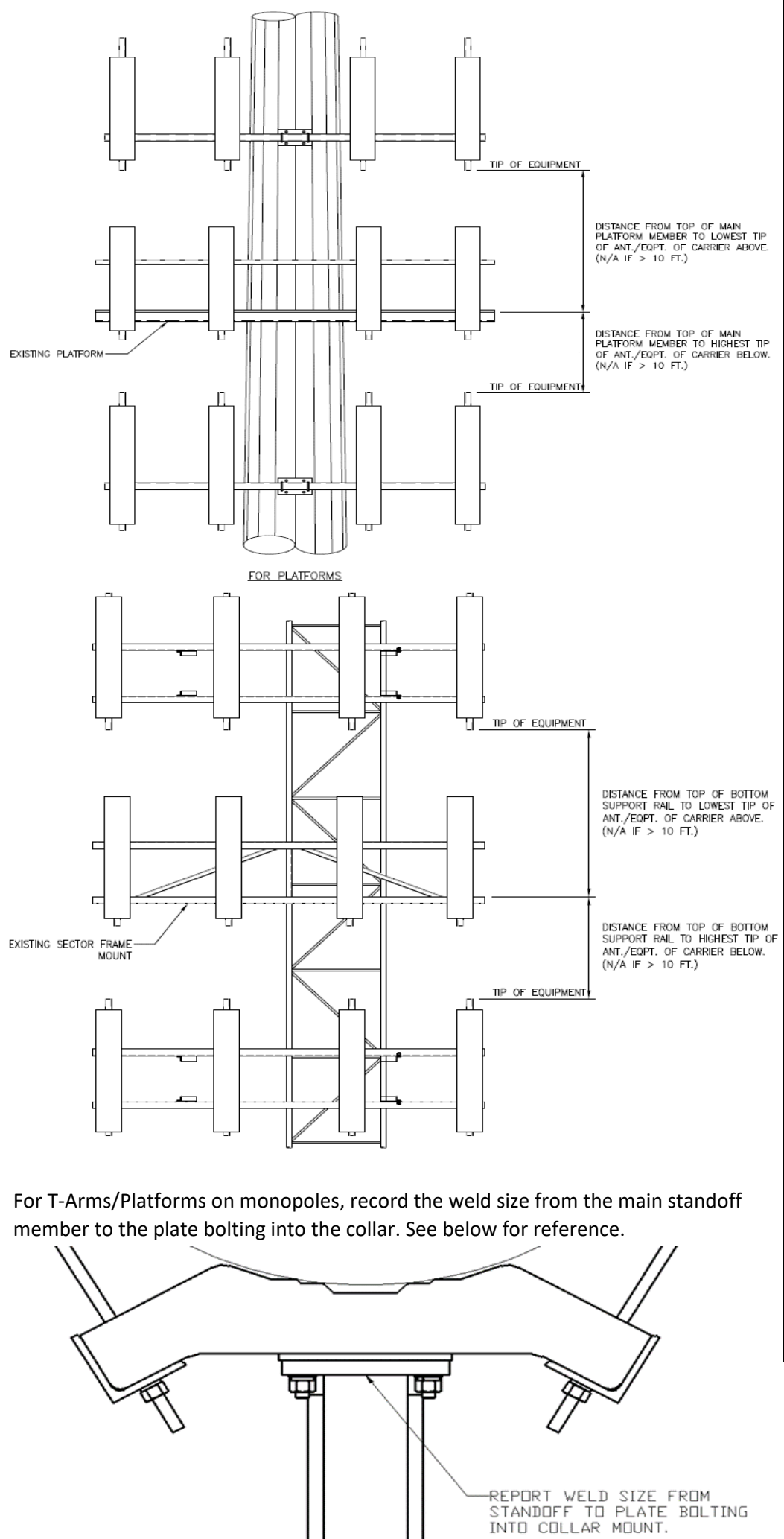
	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances "b _{1a} , b _{2a} , b _{3a} , b _{1b}" (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant _{1a}										
Ant _{1b}	sbnhh-1d65b	12.00	7.50	73.00	jumper	88.2083	35.50	9.25	56.00	21,126
Ant _{1c}	b4 rrh2x60-4r	10.50	5.75	37.00	brid jump	90.4583	8.50	-3.75		21,134
Ant _{2a}										
Ant _{2b}	bx-a-70063-6cf-edin	11.00	5.00	71.00	(2)1-5/8tx	88.5208	32.00	9.50	56.00	22,147
Ant _{2c}										
Ant _{3a}										
Ant _{3b}	sbnhh-1d65b	12.00	7.50	73.00	jumper	88.4583	33.00	9.25	56.00	23,159
Ant _{3c}	b13 rrh4x30	12.00	8.00	20.50	brid jump	90.2708	11.25	-7.50		23,163
Ant _{4a}										
Ant _{4b}	LNx-6514DS-A1M	12.00	7.25	72.75	(2)1-5/8tx	88.5521	31.38	7.88	51.00	169
Ant _{4c}										
Ant _{5a}										
Ant _{5b}										
Ant _{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										



Antenna Layout (Looking Out From Tower)

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	56.00	Deg	Leg A:		Deg
Sector B:	176.00	Deg	Leg B:		Deg
Sector C:	296.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg
Climbing Facility Information					
Location:	260.00	Deg	N/A		
Climbing Facility	Corrosion Type:		Good condition.		
	Access:		Climbing path was unobstructed.		
	Condition:		Good condition.		

Please insert a photo of the mount centerline measurement here.



Sector B										
Ant _{1a}										
Ant _{1b}	sbnhh-1d65b	12.00	7.50	73.00	jumper	88.2083	35.50	9.00	156.00	25,200
Ant _{1c}	b4 rrh2x60-4r	10.50	5.75	37.00	brid jump	90.3333	10.00	-7.38		25,204
Ant _{2a}										
Ant _{2b}	bxa-70063-6cf-edin	11.00	5.00	71.00	(2)1-5/8tx	88.5	32.00	9.00	156.00	25,213
Ant _{2c}										
Ant _{3a}										
Ant _{3b}	sbnhh-1d65b	12.00	7.50	73.00	jumper	88.3333	34.00	9.50	156.00	26,222
Ant _{3c}	b13 rrh4x30	12.00	8.00	20.50	brid jump	90.6042	6.75	-7.00		26,226
Ant _{4a}										
Ant _{4b}	LNX-6514DS-A1M	12.00	7.25	72.75	(2)1-5/8tx	88.1563	36.38	7.63	156.00	26,229
Ant _{4c}										
Ant _{5a}										
Ant _{5b}										
Ant _{5c}										
Ant on Standoff	rc3dc-3315-pf-48	14.00	9.50	19.00	-5/8 hybrid		-7.50	7.00		182,183
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant _{1a}										
Ant _{1b}	sbnhh-1d65b	12.00	7.50	73.00	jumper	88.1667	36.50	9.25	296.00	29,255
Ant _{1c}	b4 rrh2x60-4r	10.50	5.75	37.00	brid jump	90.4167	9.50	-6.88		29,259
Ant _{2a}										
Ant _{2b}	swcp 2x5514	14.00	11.00	52.00	(2)1-5/8tx	88.4375	33.00	11.50	286.00	267,268
Ant _{2c}										
Ant _{3a}										
Ant _{3b}	sbnhh-1d65b	12.00	7.50	73.00	jumper	88.3333	35.00	9.50	296.00	30,281
Ant _{3c}	b13 rrh4x30	12.00	8.00	20.50	brid jump	90.3125	11.25	-6.38		30,285
Ant _{4a}										
Ant _{4b}	LNX-6514DS-A1M	12.00	7.25	72.75	(2)1-5/8tx	88.3646	33.88	7.13	296.00	30,292
Ant _{4c}										
Ant _{5a}										
Ant _{5b}										
Ant _{5c}										
Ant on Standoff	rc3dc-3315-pf-48	14.00	9.50	19.00	-5/8 hybrid		-7.50	7.00		241,242
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant _{1a}										
Ant _{1b}										
Ant _{1c}										
Ant _{2a}										
Ant _{2b}										
Ant _{2c}										
Ant _{3a}										
Ant _{3b}										
Ant _{3c}										
Ant _{4a}										
Ant _{4b}										
Ant _{4c}										
Ant _{5a}										
Ant _{5b}										
Ant _{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	Missing a large amount of step pegs and extremely loose step pegs in a lot of spots.	2-8&303-305
2	Safety climb was tagged out unsafe by the general manager.	306&307
3		
4		
5		
6		
7		
8		

Observed Obstructions to Tower Lighting System				
If the tower lighting system is being obstructed by the carrier's equipment (for example: a light nested by the antennas), please provide photos and fill in the information below.				Photo #
Description of Obstruction:				
Type of Light:		Photo #		Additional Comments:
Lighting Technology:		Photo #		
Elevation (AGL) at base of light (Ft.):		Photo #		
Is a service loop available?		Photo #		
Is beacon installed on an extension?		Photo #		

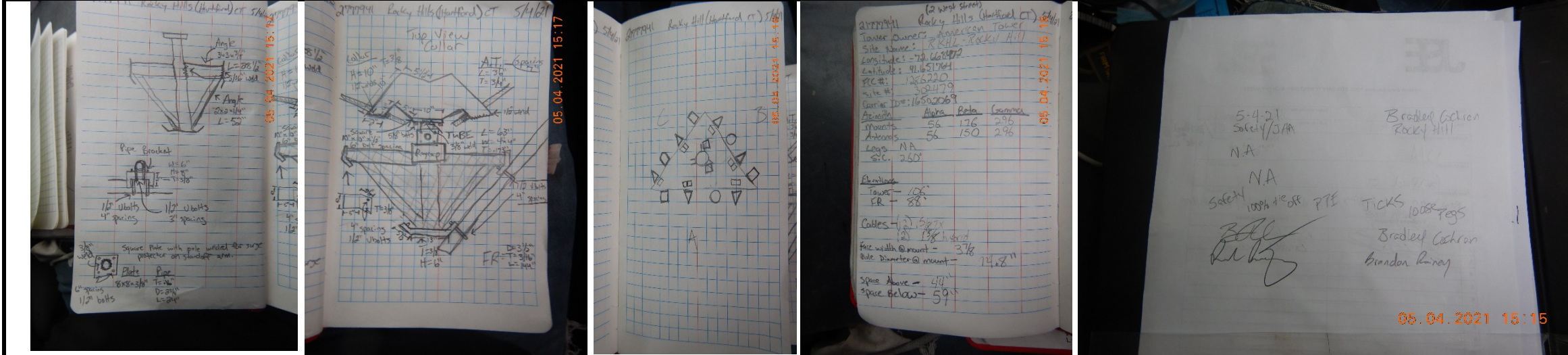
Mapping Notes
1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.) 2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use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

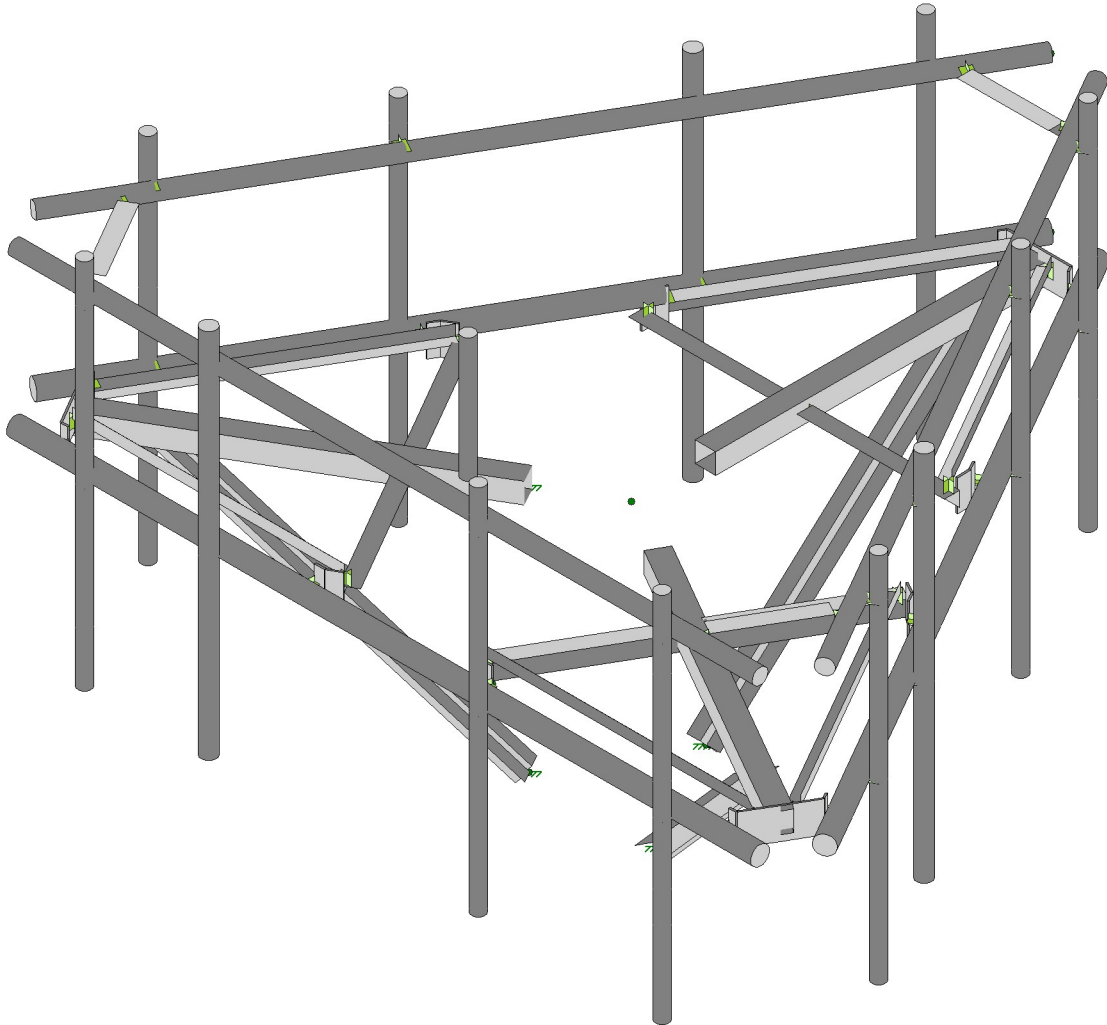
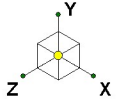
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

	Antenna Mount Mapping Form (PATENT PENDING)			FCC #
				1286220
	Tower Owner:	American Tower	Mapping Date:	5/4/2021
	Site Name:	RKHL- Rocky hill	Tower Type:	Monopole
	Site Number or ID:	16502069	Tower Height (Ft.):	107
Mapping Contractor:	Structural Components	Mount Elevation (Ft.):	88	

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Please Insert Sketches of the Antenna Mount





Envelope Only Solution

Maser Consulting

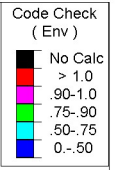
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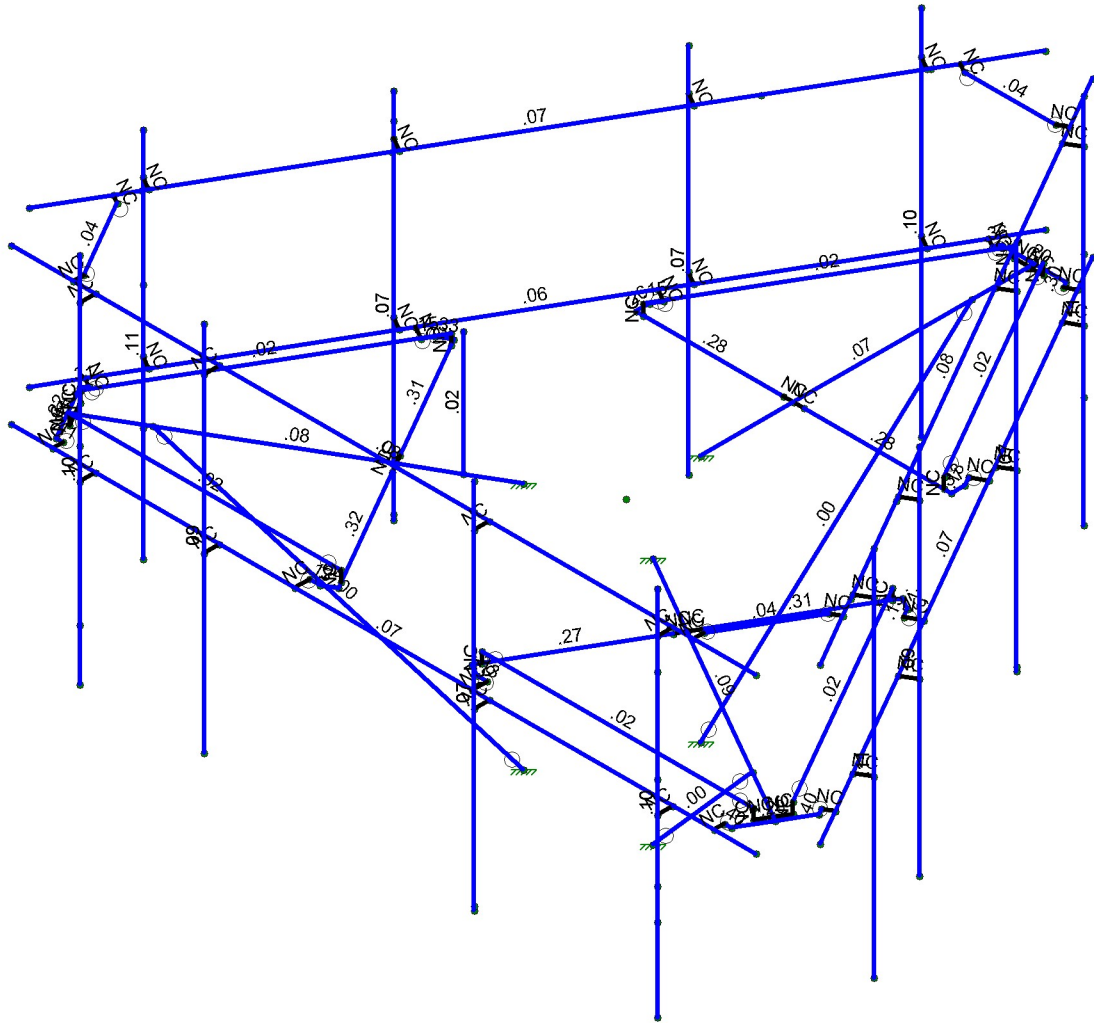
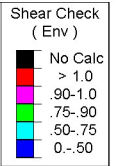
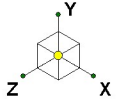
535833-VZW_MT_LO_H

SK - 1

July 6, 2021 at 1:56 PM

535833-VZW_MT_LO_H MOD.r3d

Page 2



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

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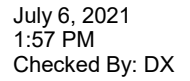
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535833-VZW_MT_LO_H

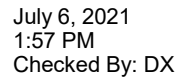
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July 6, 2021 at 1:56 PM

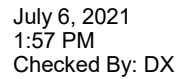
535833-VZW_MT_LO_H MOD.r3d



	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	Antenna D	None					102		
2	Antenna Di	None					102		
3	Antenna Wo (0 Deg)	None					102		
4	Antenna Wo (30 Deg)	None					102		
5	Antenna Wo (60 Deg)	None					102		
6	Antenna Wo (90 Deg)	None					102		
7	Antenna Wo (120 Deg)	None					102		
8	Antenna Wo (150 Deg)	None					102		
9	Antenna Wo (180 Deg)	None					102		
10	Antenna Wo (210 Deg)	None					102		
11	Antenna Wo (240 Deg)	None					102		
12	Antenna Wo (270 Deg)	None					102		
13	Antenna Wo (300 Deg)	None					102		
14	Antenna Wo (330 Deg)	None					102		
15	Antenna Wi (0 Deg)	None					102		
16	Antenna Wi (30 Deg)	None					102		
17	Antenna Wi (60 Deg)	None					102		
18	Antenna Wi (90 Deg)	None					102		
19	Antenna Wi (120 Deg)	None					102		
20	Antenna Wi (150 Deg)	None					102		
21	Antenna Wi (180 Deg)	None					102		
22	Antenna Wi (210 Deg)	None					102		
23	Antenna Wi (240 Deg)	None					102		
24	Antenna Wi (270 Deg)	None					102		
25	Antenna Wi (300 Deg)	None					102		
26	Antenna Wi (330 Deg)	None					102		
27	Antenna Wm (0 Deg)	None					102		
28	Antenna Wm (30 Deg)	None					102		
29	Antenna Wm (60 Deg)	None					102		
30	Antenna Wm (90 Deg)	None					102		
31	Antenna Wm (120 Deg)	None					102		
32	Antenna Wm (150 Deg)	None					102		
33	Antenna Wm (180 Deg)	None					102		
34	Antenna Wm (210 Deg)	None					102		
35	Antenna Wm (240 Deg)	None					102		
36	Antenna Wm (270 Deg)	None					102		
37	Antenna Wm (300 Deg)	None					102		
38	Antenna Wm (330 Deg)	None					102		
39	Structure D	None		-1				3	
40	Structure Di	None						61	3
41	Structure Wo (0 Deg)	None						122	
42	Structure Wo (30 Deg)	None						122	
43	Structure Wo (60 Deg)	None						122	
44	Structure Wo (90 Deg)	None						122	
45	Structure Wo (120 D...	None						122	
46	Structure Wo (150 D...	None						122	
47	Structure Wo (180 D...	None						122	
48	Structure Wo (210 D...	None						122	
49	Structure Wo (240 D...	None						122	
50	Structure Wo (270 D...	None						122	
51	Structure Wo (300 D...	None						122	
52	Structure Wo (330 D...	None						122	
53	Structure Wi (0 Deg)	None						122	



RISA-3D Version 17.0.4 [\\...\\...\\...\\...\\Rev 0\\Risa\\535833-VZW MT LO H MOD.r3d] Page 5



RISA-3D Version 17.0.4 [\\...\\...\\...\\...\\Rev 0\\Risa\\535833-VZW MT LO H MOD.r3d] Page 8

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
183	N191	-5.714533	2.5	2.089315	0	
184	N192	-1.058283	2.5	-5.975546	0	
185	N193	-4.235366	2.5	-0.472677	0	
186	N195	-2.058283	2.5	-4.243496	0	
187	N195A	-5	2.5	3.737607	0	
188	N196A	5	2.5	3.737607	0	
189	N198	5.8812	2.5	2.37799	0	
190	N199	0.8812	2.5	-6.282264	0	
191	N200	5.736862	2.5	2.461324	0	
192	N201	0.736862	2.5	-6.19893	0	
193	N203	-0.8812	2.5	-6.282264	0	
194	N204	-5.8812	2.5	2.37799	0	
195	N205	-0.736862	2.5	-6.19893	0	
196	N206	-5.736862	2.5	2.461324	0	
197	N198A	1.264373	2.5	-6.118589	0	
198	N199A	5.66245	2.5	1.999104	0	
199	N200A	5.878956	2.5	1.874104	0	
200	N202	4.66245	2.5	0.267053	0	
201	N203A	4.878956	2.5	0.142053	0	
202	N204A	2.74354	2.5	-3.556597	0	
203	N205A	-5.672866	2.5	2.017146	0	
204	N206A	-5.889373	2.5	1.892146	0	
205	N207	-1.079116	2.5	-5.939462	0	
206	N208	-1.295623	2.5	-6.064462	0	
207	N209	-4.1937	2.5	-0.544845	0	
208	N210	-4.410206	2.5	-0.669845	0	
209	N211	-2.454116	2.5	-3.557892	0	
210	N212	-2.670623	2.5	-3.682892	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design L...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X3	Beam	SquareT...	A500 Gr.B Rect	Typical	2.58	6.21	6.21	10
3	Corner Plate	PL3/8x6	Beam	BAR	A36 Gr.36	Typical	2.25	.026	6.75	.101
4	Platform Crossme...	L3X3X6	Beam	Single A...	A36 Gr.36	Typical	2.11	1.75	1.75	.101
5	Grating Support	L2x2x4	Beam	Single A...	A36 Gr.36	Typical	.944	.346	.346	.021
6	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	MOD KICKERS	LL3x3x3x3	Column	Double ...	A36 Gr.36	Typical	2.18	4.09	1.9	.027
9	MOD SR CONNEC...	L3X3X4	Column	Single A...	A36 Gr.36	Typical	1.44	1.23	1.23	.031
10	MOD HORIZONTAL	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	DUAL MOUNT PIPE	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M4	Standoff Ho...	5.375			Lbyy						Lateral
2	M34	Standoff Ho...	5.375			Lbyy						Lateral
3	M67	Standoff Ho...	5.375			Lbyy						Lateral
4	M10	Platform Cr...	2.375			Lbyy						Lateral
5	M43	Platform Cr...	2.375			Lbyy						Lateral
6	M35	Platform Cr...	2.375			Lbyy						Lateral
7	M36	Platform Cr...	2.375			Lbyy						Lateral
8	M68	Platform Cr...	2.375			Lbyy						Lateral
9	M69	Platform Cr...	2.375			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

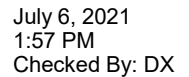
	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
10	MP3A	DUAL MOU...	6			Lbyy						Lateral
11	MP4A	Mount Pipe	6			Lbyy						Lateral
12	MP2A	Mount Pipe	6			Lbyy						Lateral
13	MP1A	Mount Pipe	6			Lbyy						Lateral
14	MP3C	DUAL MOU...	6			Lbyy						Lateral
15	MP4C	Mount Pipe	6			Lbyy						Lateral
16	MP2C	Mount Pipe	6			Lbyy						Lateral
17	MP1C	Mount Pipe	6			Lbyy						Lateral
18	MP3B	DUAL MOU...	6			Lbyy						Lateral
19	MP4B	Mount Pipe	6			Lbyy						Lateral
20	MP2B	Mount Pipe	6			Lbyy						Lateral
21	MP1B	Mount Pipe	6			Lbyy						Lateral
22	M100	Mount Pipe	2									Lateral
23	M41	Grating Sup...	4.378			Lbyy						Lateral
24	M1	Face Horizo...	12			Lbyy						Lateral
25	M58A	Face Horizo...	12			Lbyy						Lateral
26	M91A	Face Horizo...	12			Lbyy						Lateral
27	M76	Cross Arm ...	.219									Lateral
28	M77	Cross Arm ...	.167									Lateral
29	M84	Cross Arm ...	.219									Lateral
30	M85	Cross Arm ...	.167									Lateral
31	M45	Cross Arm ...	.219									Lateral
32	M46A	Cross Arm ...	.167									Lateral
33	M50A	Cross Arm ...	.219									Lateral
34	M51C	Cross Arm ...	.167									Lateral
35	M78	Cross Arm ...	.219									Lateral
36	M79A	Cross Arm ...	.167									Lateral
37	M83A	Cross Arm ...	.219									Lateral
38	M84A	Cross Arm ...	.167									Lateral
39	M46	Corner Plate	1.031			Lbyy						Lateral
40	M80	Corner Plate	.112			Lbyy						Lateral
41	M91	Corner Plate	.112			Lbyy						Lateral
42	M37	Corner Plate	1.031			Lbyy						Lateral
43	M48	Corner Plate	.112			Lbyy						Lateral
44	M53	Corner Plate	.112			Lbyy						Lateral
45	M70	Corner Plate	1.031			Lbyy						Lateral
46	M81	Corner Plate	.112			Lbyy						Lateral
47	M86	Corner Plate	.112			Lbyy						Lateral
48	M91B	Grating Sup...	4.378			Lbyy						Lateral
49	M92B	Grating Sup...	4.378			Lbyy						Lateral
50	M93A	Grating Sup...	4.378			Lbyy						Lateral
51	M96	Grating Sup...	4.378			Lbyy						Lateral
52	M97	Grating Sup...	4.378			Lbyy						Lateral
53	M101	MOD KICK...	5.928									Lateral
54	M102	MOD KICK...	5.928									Lateral
55	M103A	MOD KICK...	5.928									Lateral
56	M108	MOD HORI...	12			Lbyy						Lateral
57	M113	MOD HORI...	12			Lbyy						Lateral
58	M118	MOD HORI...	12			Lbyy						Lateral
59	M125	MOD SR C...	1.474									Lateral
60	M126	MOD SR C...	1.474									Lateral
61	M127	MOD SR C...	1.474									Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M34	N52	N57			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M67	N102A	N107			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	M21	N12	N13			RIGID	None	None	RIGID	Typical
7	M22	N14	N15			RIGID	None	None	RIGID	Typical
8	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
9	M58	N102	N24			RIGID	None	None	RIGID	Typical
10	M59	N24	N103A			RIGID	None	None	RIGID	Typical
11	M79	N131	N86A			RIGID	None	None	RIGID	Typical
12	M83	N135	N86D			RIGID	None	None	RIGID	Typical
13	M88	N144	N86B			RIGID	None	None	RIGID	Typical
14	M92	N148	N86E			RIGID	None	None	RIGID	Typical
15	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
16	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
17	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
18	M38	N55	N159A			RIGID	None	None	RIGID	Typical
19	M42	N78	N79			RIGID	None	None	RIGID	Typical
20	M43A	N61	N56			RIGID	None	None	RIGID	Typical
21	M44	N56	N62			RIGID	None	None	RIGID	Typical
22	M47	N65	N69			RIGID	None	None	RIGID	Typical
23	M49	N66	N73			RIGID	None	None	RIGID	Typical
24	M52A	N67	N70			RIGID	None	None	RIGID	Typical
25	M54	N68	N74			RIGID	None	None	RIGID	Typical
26	M55	N79	N75			RIGID	None	None	RIGID	Typical
27	M56	N75	N77			RIGID	None	None	RIGID	Typical
28	M57	N76	N77			RIGID	None	None	RIGID	Typical
29	M59A	N82	N83			RIGID	None	None	RIGID	Typical
30	M60	N84	N85			RIGID	None	None	RIGID	Typical
31	M62	N88	N89			RIGID	None	None	RIGID	Typical
32	M75	N128	N129			RIGID	None	None	RIGID	Typical
33	M76A	N111	N106			RIGID	None	None	RIGID	Typical
34	M77A	N106	N112			RIGID	None	None	RIGID	Typical
35	M80A	N115	N119			RIGID	None	None	RIGID	Typical
36	M82	N116	N123			RIGID	None	None	RIGID	Typical
37	M85A	N117	N120			RIGID	None	None	RIGID	Typical
38	M87	N118	N124			RIGID	None	None	RIGID	Typical
39	M88A	N129	N125			RIGID	None	None	RIGID	Typical
40	M89	N125	N127			RIGID	None	None	RIGID	Typical
41	M90	N126	N127			RIGID	None	None	RIGID	Typical
42	M92A	N132	N133			RIGID	None	None	RIGID	Typical
43	M93	N134	N135A			RIGID	None	None	RIGID	Typical
44	M94	N136	N137			RIGID	None	None	RIGID	Typical
45	M95	N138	N139			RIGID	None	None	RIGID	Typical
46	M10	N101	N103A		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
47	M43	N102	N5		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
48	M35	N60	N62		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
49	M36	N61	N53		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
50	M68	N110	N112		90	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
51	M69	N111	N103		90	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
52	MP3A	N17	N16			DUAL MOUNT...	Beam	Pipe	A53 Gr.B	Typical
53	MP4A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
54	MP2A	N21	N20			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
55	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
56	MP3C	N91	N90			DUAL MOUNT...	Beam	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
57	MP4C	N93	N92			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
58	MP2C	N95	N94			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
59	MP1C	N97	N96			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
60	MP3B	N141	N140			DUAL MOUNT...	Beam	Pipe	A53 Gr.B	Typical
61	MP4B	N143A	N142			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
62	MP2B	N145	N144A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
63	MP1B	N147	N146			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
64	M100	N153	N152			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
65	M41	N55	N78			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
66	M1	N2	N1			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
67	M58A	N80	N81			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
68	M91A	N130	N131A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
69	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
70	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
71	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
72	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
73	M45	N60	N64			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
74	M46A	N64	N65			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
75	M50A	N53	N63			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
76	M51C	N63	N67			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
77	M78	N110	N114			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
78	M79A	N114	N115			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
79	M83A	N103	N113			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
80	M84A	N113	N117			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
81	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
82	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
83	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
84	M37	N71	N72			Corner Plate	Beam	BAR	A36 Gr.36	Typical
85	M48	N72	N66			Corner Plate	Beam	BAR	A36 Gr.36	Typical
86	M53	N71	N68			Corner Plate	Beam	BAR	A36 Gr.36	Typical
87	M70	N121	N122			Corner Plate	Beam	BAR	A36 Gr.36	Typical
88	M81	N122	N116			Corner Plate	Beam	BAR	A36 Gr.36	Typical
89	M86	N121	N118			Corner Plate	Beam	BAR	A36 Gr.36	Typical
90	M91B	N149A	N128		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
91	M92B	N150A	N126			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
92	M93A	N153A	N87C		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
93	M96	N158A	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
94	M97	N159B	N76		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
95	M98	N149A	N155A			RIGID	None	None	RIGID	Typical
96	M99	N150A	N156A			RIGID	None	None	RIGID	Typical
97	M100A	N153A	N158B			RIGID	None	None	RIGID	Typical
98	M103	N158A	N163			RIGID	None	None	RIGID	Typical
99	M104	N159B	N164			RIGID	None	None	RIGID	Typical
100	M100B	N87	N100			RIGID	None	None	RIGID	Typical
101	M101	N159C	N160			MOD KICKERS	Column	Double Angle (...)	A36 Gr.36	Typical
102	M102	N163A	N164A			MOD KICKERS	Column	Double Angle (...)	A36 Gr.36	Typical
103	M103A	N167	N168			MOD KICKERS	Column	Double Angle (...)	A36 Gr.36	Typical
104	M104A	N167A	N159			RIGID	None	None	RIGID	Typical
105	M105	N169	N155			RIGID	None	None	RIGID	Typical
106	M106	N171	N172			RIGID	None	None	RIGID	Typical
107	M107	N173	N174			RIGID	None	None	RIGID	Typical
108	M108	N166	N165			MOD HORIZO...	Beam	Pipe	A53 Gr.B	Typical
109	M113	N179	N178			MOD HORIZO...	Beam	Pipe	A53 Gr.B	Typical
110	M118	N190	N189			MOD HORIZO...	Beam	Pipe	A53 Gr.B	Typical
111	M119	N173A	N195A			RIGID	None	None	RIGID	Typical
112	M120	N174A	N196A			RIGID	None	None	RIGID	Typical
113	M121	N198	N200			RIGID	None	None	RIGID	Typical



	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
114	M122	N199	N201			RIGID	None	None	RIGID	Typical
115	M123	N203	N205			RIGID	None	None	RIGID	Typical
116	M124	N204	N206			RIGID	None	None	RIGID	Typical
117	M125	N195A	N206		90	MOD SR CON...	Column	Single Angle	A36 Gr.36	Typical
118	M126	N200	N196A		90	MOD SR CON...	Column	Single Angle	A36 Gr.36	Typical
119	M127	N205	N201		90	MOD SR CON...	Column	Single Angle	A36 Gr.36	Typical
120	M120A	N180	N198A			RIGID	None	None	RIGID	Typical
121	M121A	N199A	N200A			RIGID	None	None	RIGID	Typical
122	M122A	N202	N203A			RIGID	None	None	RIGID	Typical
123	M123A	N205A	N206A			RIGID	None	None	RIGID	Typical
124	M124A	N207	N208			RIGID	None	None	RIGID	Typical
125	M125A	N209	N210			RIGID	None	None	RIGID	Typical
126	M126A	N211	N212			RIGID	None	None	RIGID	Typical
127	M127A	N182	N204A			RIGID	None	None	RIGID	Typical

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M4						Yes				None
2	M34						Yes				None
3	M67						Yes				None
4	M19						Yes	** NA **			None
5	M20						Yes	** NA **			None
6	M21						Yes	** NA **			None
7	M22						Yes	** NA **			None
8	M52						Yes	** NA **			None
9	M58						Yes	** NA **			None
10	M59						Yes	** NA **			None
11	M79		BenPIN				Yes	** NA **			None
12	M83		BenPIN				Yes	** NA **			None
13	M88		BenPIN				Yes	** NA **			None
14	M92		BenPIN				Yes	** NA **			None
15	M50						Yes	** NA **			None
16	M51						Yes	** NA **			None
17	M51A						Yes	** NA **			None
18	M38						Yes	** NA **			None
19	M42						Yes	** NA **			None
20	M43A						Yes	** NA **			None
21	M44						Yes	** NA **			None
22	M47		BenPIN				Yes	** NA **			None
23	M49		BenPIN				Yes	** NA **			None
24	M52A		BenPIN				Yes	** NA **			None
25	M54		BenPIN				Yes	** NA **			None
26	M55						Yes	** NA **			None
27	M56						Yes	** NA **			None
28	M57						Yes	** NA **			None
29	M59A						Yes	** NA **			None
30	M60						Yes	** NA **			None
31	M62						Yes	** NA **			None
32	M75						Yes	** NA **			None
33	M76A						Yes	** NA **			None
34	M77A						Yes	** NA **			None
35	M80A		BenPIN				Yes	** NA **			None
36	M82		BenPIN				Yes	** NA **			None
37	M85A		BenPIN				Yes	** NA **			None
38	M87		BenPIN				Yes	** NA **			None

Member Advanced Data (Continued)

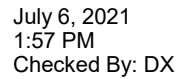
	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
39	M88A						Yes	** NA **			None
40	M89						Yes	** NA **			None
41	M90						Yes	** NA **			None
42	M92A						Yes	** NA **			None
43	M93						Yes	** NA **			None
44	M94						Yes	** NA **			None
45	M95						Yes	** NA **			None
46	M10						Yes	Default			None
47	M43						Yes	Default			None
48	M35						Yes	Default			None
49	M36						Yes	Default			None
50	M68						Yes	Default			None
51	M69						Yes	Default			None
52	MP3A						Yes	Default			None
53	MP4A						Yes	** NA **			None
54	MP2A						Yes	** NA **			None
55	MP1A						Yes	** NA **			None
56	MP3C						Yes				None
57	MP4C						Yes	** NA **			None
58	MP2C						Yes	** NA **			None
59	MP1C						Yes	** NA **			None
60	MP3B						Yes				None
61	MP4B						Yes	** NA **			None
62	MP2B						Yes	** NA **			None
63	MP1B						Yes	** NA **			None
64	M100						Yes	** NA **			None
65	M41	OOOOOX	OOOOOX				Yes	Default			None
66	M1						Yes	Default			None
67	M58A						Yes	Default			None
68	M91A						Yes	Default			None
69	M76						Yes	** NA **			None
70	M77						Yes	** NA **			None
71	M84						Yes	** NA **			None
72	M85						Yes	** NA **			None
73	M45						Yes	** NA **			None
74	M46A						Yes	** NA **			None
75	M50A						Yes	** NA **			None
76	M51C						Yes	** NA **			None
77	M78						Yes	** NA **			None
78	M79A						Yes	** NA **			None
79	M83A						Yes	** NA **			None
80	M84A						Yes	** NA **			None
81	M46						Yes	Default			None
82	M80						Yes				None
83	M91						Yes				None
84	M37						Yes	Default			None
85	M48						Yes				None
86	M53						Yes				None
87	M70						Yes	Default			None
88	M81						Yes				None
89	M86						Yes				None
90	M91B	OOOOOX	OOOOOX				Yes	Default			None
91	M92B	OOOOOX	OOOOOX				Yes	Default			None
92	M93A	OOOOOX	OOOOOX				Yes	Default			None
93	M96	OOOOOX	OOOOOX				Yes	Default			None
94	M97	OOOOOX	OOOOOX				Yes	Default			None
95	M98						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
96	M99						Yes	** NA **			None
97	M100A						Yes	** NA **			None
98	M103						Yes	** NA **			None
99	M104						Yes	** NA **			None
100	M100B						Yes	** NA **			None
101	M101	BenPIN	BenPIN				Yes	** NA **			None
102	M102	BenPIN	BenPIN				Yes	** NA **			None
103	M103A	BenPIN	BenPIN				Yes	** NA **			None
104	M104A						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108						Yes	Default			None
109	M113						Yes	Default			None
110	M118						Yes	Default			None
111	M119	OOOOOX					Yes	** NA **			None
112	M120	OOOOOX					Yes	** NA **			None
113	M121	OOOOOX					Yes	** NA **			None
114	M122	OOOOOX					Yes	** NA **			None
115	M123	OOOOOX					Yes	** NA **			None
116	M124	OOOOOX					Yes	** NA **			None
117	M125						Yes	** NA **			None
118	M126						Yes	** NA **			None
119	M127						Yes	** NA **			None
120	M120A						Yes	** NA **			None
121	M121A						Yes	** NA **			None
122	M122A						Yes	** NA **			None
123	M123A						Yes	** NA **			None
124	M124A						Yes	** NA **			None
125	M125A						Yes	** NA **			None
126	M126A						Yes	** NA **			None
127	M127A						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-22.95	.17
2	MP4A	My	-.015	.17
3	MP4A	Mz	0	.17
4	MP4A	Y	-22.95	5.17
5	MP4A	My	-.015	5.17
6	MP4A	Mz	0	5.17
7	MP4B	Y	-22.95	.17
8	MP4B	My	0	.17
9	MP4B	Mz	-.015	.17
10	MP4B	Y	-22.95	5.17
11	MP4B	My	0	5.17
12	MP4B	Mz	-.015	5.17
13	MP4C	Y	-22.95	.17
14	MP4C	My	.008	.17
15	MP4C	Mz	.013	.17
16	MP4C	Y	-22.95	5.17
17	MP4C	My	.008	5.17
18	MP4C	Mz	.013	5.17
19	MP3A	Y	-20	.17
20	MP3A	My	-.013	.17



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

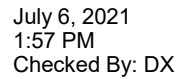
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
29	MP3B	My	-.061	5.17
30	MP3B	Mz	-.061	5.17
31	MP3C	Y	-91.745	.17
32	MP3C	My	.084	.17
33	MP3C	Mz	.022	.17
34	MP3C	Y	-91.745	5.17
35	MP3C	My	.084	5.17
36	MP3C	Mz	.022	5.17
37	MP3A	Y	-91.745	.17
38	MP3A	My	-.061	.17
39	MP3A	Mz	-.061	.17
40	MP3A	Y	-91.745	5.17
41	MP3A	My	-.061	5.17
42	MP3A	Mz	-.061	5.17
43	MP3B	Y	-91.745	.17
44	MP3B	My	.061	.17
45	MP3B	Mz	-.061	.17
46	MP3B	Y	-91.745	5.17
47	MP3B	My	.061	5.17
48	MP3B	Mz	-.061	5.17
49	MP3C	Y	-91.745	.17
50	MP3C	My	-.022	.17
51	MP3C	Mz	.084	.17
52	MP3C	Y	-91.745	5.17
53	MP3C	My	-.022	5.17
54	MP3C	Mz	.084	5.17
55	MP1A	Y	-21.536	4.67
56	MP1A	My	-.007	4.67
57	MP1A	Mz	0	4.67
58	MP1B	Y	-21.536	4.67
59	MP1B	My	0	4.67
60	MP1B	Mz	-.007	4.67
61	MP1C	Y	-21.536	4.67
62	MP1C	My	.004	4.67
63	MP1C	Mz	.006	4.67
64	MP1A	Y	-53.715	.17
65	MP1A	My	-.022	.17
66	MP1A	Mz	0	.17
67	MP1A	Y	-53.715	2.17
68	MP1A	My	-.022	2.17
69	MP1A	Mz	0	2.17
70	MP1B	Y	-53.715	.17
71	MP1B	My	0	.17
72	MP1B	Mz	-.022	.17
73	MP1B	Y	-53.715	2.17
74	MP1B	My	0	2.17
75	MP1B	Mz	-.022	2.17
76	MP1C	Y	-53.715	.17
77	MP1C	My	.011	.17
78	MP1C	Mz	.019	.17
79	MP1C	Y	-53.715	2.17
80	MP1C	My	.011	2.17
81	MP1C	Mz	.019	2.17
82	MP2A	Y	-68.202	1
83	MP2A	My	.045	1
84	MP2A	Mz	0	1
85	MP2B	Y	-68.202	1

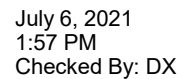
Member Point Loads (BLC 2 : Antenna Di) (Continued)

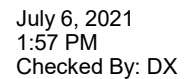
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP2B	My	0	1
87	MP2B	Mz	.045	1
88	MP2C	Y	-68.202	1
89	MP2C	My	-.023	1
90	MP2C	Mz	-.039	1
91	MP3A	Y	-61.547	1
92	MP3A	My	.041	1
93	MP3A	Mz	0	1
94	MP3B	Y	-61.547	1
95	MP3B	My	0	1
96	MP3B	Mz	.041	1
97	MP3C	Y	-61.547	1
98	MP3C	My	-.021	1
99	MP3C	Mz	-.036	1
100	M100	Y	-114.06	.25
101	M100	My	0	.25
102	M100	Mz	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	.17
2	MP4A	Z	-172.665	.17
3	MP4A	Mx	0	.17
4	MP4A	X	0	5.17
5	MP4A	Z	-172.665	5.17
6	MP4A	Mx	0	5.17
7	MP4B	X	0	.17
8	MP4B	Z	-114.863	.17
9	MP4B	Mx	.077	.17
10	MP4B	X	0	5.17
11	MP4B	Z	-114.863	5.17
12	MP4B	Mx	.077	5.17
13	MP4C	X	0	.17
14	MP4C	Z	-129.313	.17
15	MP4C	Mx	-.075	.17
16	MP4C	X	0	5.17
17	MP4C	Z	-129.313	5.17
18	MP4C	Mx	-.075	5.17
19	MP3A	X	0	.17
20	MP3A	Z	-152.648	.17
21	MP3A	Mx	-.102	.17
22	MP3A	X	0	5.17
23	MP3A	Z	-152.648	5.17
24	MP3A	Mx	-.102	5.17
25	MP3B	X	0	.17
26	MP3B	Z	-100.947	.17
27	MP3B	Mx	.067	.17
28	MP3B	X	0	5.17
29	MP3B	Z	-100.947	5.17
30	MP3B	Mx	.067	5.17
31	MP3C	X	0	.17
32	MP3C	Z	-113.873	.17
33	MP3C	Mx	-.028	.17
34	MP3C	X	0	5.17
35	MP3C	Z	-113.873	5.17
36	MP3C	Mx	-.028	5.17



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
4	MP4A	X	114.863	5.17
5	MP4A	Z	0	5.17
6	MP4A	Mx	-.077	5.17
7	MP4B	X	172.665	.17
8	MP4B	Z	0	.17
9	MP4B	Mx	0	.17
10	MP4B	X	172.665	5.17
11	MP4B	Z	0	5.17
12	MP4B	Mx	0	5.17
13	MP4C	X	158.214	.17
14	MP4C	Z	0	.17
15	MP4C	Mx	.053	.17
16	MP4C	X	158.214	5.17
17	MP4C	Z	0	5.17
18	MP4C	Mx	.053	5.17
19	MP3A	X	100.947	.17
20	MP3A	Z	0	.17
21	MP3A	Mx	-.067	.17
22	MP3A	X	100.947	5.17
23	MP3A	Z	0	5.17
24	MP3A	Mx	-.067	5.17
25	MP3B	X	152.648	.17
26	MP3B	Z	0	.17
27	MP3B	Mx	-.102	.17
28	MP3B	X	152.648	5.17
29	MP3B	Z	0	5.17
30	MP3B	Mx	-.102	5.17
31	MP3C	X	139.723	.17
32	MP3C	Z	0	.17
33	MP3C	Mx	.127	.17
34	MP3C	X	139.723	5.17
35	MP3C	Z	0	5.17
36	MP3C	Mx	.127	5.17
37	MP3A	X	100.947	.17
38	MP3A	Z	0	.17
39	MP3A	Mx	-.067	.17
40	MP3A	X	100.947	5.17
41	MP3A	Z	0	5.17
42	MP3A	Mx	-.067	5.17
43	MP3B	X	152.648	.17
44	MP3B	Z	0	.17
45	MP3B	Mx	.102	.17
46	MP3B	X	152.648	5.17
47	MP3B	Z	0	5.17
48	MP3B	Mx	.102	5.17
49	MP3C	X	139.723	.17
50	MP3C	Z	0	.17
51	MP3C	Mx	-.034	.17
52	MP3C	X	139.723	5.17
53	MP3C	Z	0	5.17
54	MP3C	Mx	-.034	5.17
55	MP1A	X	6.53	4.67
56	MP1A	Z	0	4.67
57	MP1A	Mx	-.002	4.67
58	MP1B	X	33.298	4.67
59	MP1B	Z	0	4.67
60	MP1B	Mx	0	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP1C	X	26.606	4.67
62	MP1C	Z	0	4.67
63	MP1C	Mx	.004	4.67
64	MP1A	X	34.421	.17
65	MP1A	Z	0	.17
66	MP1A	Mx	-.014	.17
67	MP1A	X	34.421	2.17
68	MP1A	Z	0	2.17
69	MP1A	Mx	-.014	2.17
70	MP1B	X	87.922	.17
71	MP1B	Z	0	.17
72	MP1B	Mx	0	.17
73	MP1B	X	87.922	2.17
74	MP1B	Z	0	2.17
75	MP1B	Mx	0	2.17
76	MP1C	X	74.547	.17
77	MP1C	Z	0	.17
78	MP1C	Mx	.016	.17
79	MP1C	X	74.547	2.17
80	MP1C	Z	0	2.17
81	MP1C	Mx	.016	2.17
82	MP2A	X	46.767	1
83	MP2A	Z	0	1
84	MP2A	Mx	.031	1
85	MP2B	X	69.964	1
86	MP2B	Z	0	1
87	MP2B	Mx	0	1
88	MP2C	X	64.165	1
89	MP2C	Z	0	1
90	MP2C	Mx	-.021	1
91	MP3A	X	37.881	1
92	MP3A	Z	0	1
93	MP3A	Mx	.025	1
94	MP3B	X	69.964	1
95	MP3B	Z	0	1
96	MP3B	Mx	0	1
97	MP3C	X	61.943	1
98	MP3C	Z	0	1
99	MP3C	Mx	-.021	1
100	M100	X	105.844	.25
101	M100	Z	0	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	111.989	.17
2	MP4A	Z	64.657	.17
3	MP4A	Mx	-.075	.17
4	MP4A	X	111.989	5.17
5	MP4A	Z	64.657	5.17
6	MP4A	Mx	-.075	5.17
7	MP4B	X	137.018	.17
8	MP4B	Z	79.107	.17
9	MP4B	Mx	-.053	.17
10	MP4B	X	137.018	5.17
11	MP4B	Z	79.107	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4B	Mx	-.053	5.17
13	MP4C	X	111.989	.17
14	MP4C	Z	64.657	.17
15	MP4C	Mx	.075	.17
16	MP4C	X	111.989	5.17
17	MP4C	Z	64.657	5.17
18	MP4C	Mx	.075	5.17
19	MP3A	X	98.616	.17
20	MP3A	Z	56.936	.17
21	MP3A	Mx	-.028	.17
22	MP3A	X	98.616	5.17
23	MP3A	Z	56.936	5.17
24	MP3A	Mx	-.028	5.17
25	MP3B	X	121.004	.17
26	MP3B	Z	69.861	.17
27	MP3B	Mx	-.127	.17
28	MP3B	X	121.004	5.17
29	MP3B	Z	69.861	5.17
30	MP3B	Mx	-.127	5.17
31	MP3C	X	98.616	.17
32	MP3C	Z	56.936	.17
33	MP3C	Mx	.104	.17
34	MP3C	X	98.616	5.17
35	MP3C	Z	56.936	5.17
36	MP3C	Mx	.104	5.17
37	MP3A	X	98.616	.17
38	MP3A	Z	56.936	.17
39	MP3A	Mx	-.104	.17
40	MP3A	X	98.616	5.17
41	MP3A	Z	56.936	5.17
42	MP3A	Mx	-.104	5.17
43	MP3B	X	121.004	.17
44	MP3B	Z	69.861	.17
45	MP3B	Mx	.034	.17
46	MP3B	X	121.004	5.17
47	MP3B	Z	69.861	5.17
48	MP3B	Mx	.034	5.17
49	MP3C	X	98.616	.17
50	MP3C	Z	56.936	.17
51	MP3C	Mx	.028	.17
52	MP3C	X	98.616	5.17
53	MP3C	Z	56.936	5.17
54	MP3C	Mx	.028	5.17
55	MP1A	X	11.451	4.67
56	MP1A	Z	6.611	4.67
57	MP1A	Mx	-.004	4.67
58	MP1B	X	23.042	4.67
59	MP1B	Z	13.303	4.67
60	MP1B	Mx	-.004	4.67
61	MP1C	X	11.451	4.67
62	MP1C	Z	6.611	4.67
63	MP1C	Mx	.004	4.67
64	MP1A	X	41.393	.17
65	MP1A	Z	23.898	.17
66	MP1A	Mx	-.017	.17
67	MP1A	X	41.393	2.17
68	MP1A	Z	23.898	2.17

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
69	MP1A	Mx	-.017	2.17
70	MP1B	X	64.56	.17
71	MP1B	Z	37.274	.17
72	MP1B	Mx	-.016	.17
73	MP1B	X	64.56	2.17
74	MP1B	Z	37.274	2.17
75	MP1B	Mx	-.016	2.17
76	MP1C	X	41.393	.17
77	MP1C	Z	23.898	.17
78	MP1C	Mx	.017	.17
79	MP1C	X	41.393	2.17
80	MP1C	Z	23.898	2.17
81	MP1C	Mx	.017	2.17
82	MP2A	X	45.524	1
83	MP2A	Z	26.283	1
84	MP2A	Mx	.03	1
85	MP2B	X	55.568	1
86	MP2B	Z	32.082	1
87	MP2B	Mx	.021	1
88	MP2C	X	45.524	1
89	MP2C	Z	26.283	1
90	MP2C	Mx	-.03	1
91	MP3A	X	39.752	1
92	MP3A	Z	22.951	1
93	MP3A	Mx	.027	1
94	MP3B	X	53.644	1
95	MP3B	Z	30.972	1
96	MP3B	Mx	.021	1
97	MP3C	X	39.752	1
98	MP3C	Z	22.951	1
99	MP3C	Mx	-.027	1
100	M100	X	112.422	.25
101	M100	Z	64.907	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP4A	X	79.107	.17
2	MP4A	Z	137.018	.17
3	MP4A	Mx	-.053	.17
4	MP4A	X	79.107	5.17
5	MP4A	Z	137.018	5.17
6	MP4A	Mx	-.053	5.17
7	MP4B	X	64.657	.17
8	MP4B	Z	111.989	.17
9	MP4B	Mx	-.075	.17
10	MP4B	X	64.657	5.17
11	MP4B	Z	111.989	5.17
12	MP4B	Mx	-.075	5.17
13	MP4C	X	57.432	.17
14	MP4C	Z	99.474	.17
15	MP4C	Mx	.077	.17
16	MP4C	X	57.432	5.17
17	MP4C	Z	99.474	5.17
18	MP4C	Mx	.077	5.17
19	MP3A	X	69.861	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP3A	Z	121.004	.17
21	MP3A	Mx	.034	.17
22	MP3A	X	69.861	5.17
23	MP3A	Z	121.004	5.17
24	MP3A	Mx	.034	5.17
25	MP3B	X	56.936	.17
26	MP3B	Z	98.616	.17
27	MP3B	Mx	-.104	.17
28	MP3B	X	56.936	5.17
29	MP3B	Z	98.616	5.17
30	MP3B	Mx	-.104	5.17
31	MP3C	X	50.474	.17
32	MP3C	Z	87.423	.17
33	MP3C	Mx	.067	.17
34	MP3C	X	50.474	5.17
35	MP3C	Z	87.423	5.17
36	MP3C	Mx	.067	5.17
37	MP3A	X	69.861	.17
38	MP3A	Z	121.004	.17
39	MP3A	Mx	-.127	.17
40	MP3A	X	69.861	5.17
41	MP3A	Z	121.004	5.17
42	MP3A	Mx	-.127	5.17
43	MP3B	X	56.936	.17
44	MP3B	Z	98.616	.17
45	MP3B	Mx	-.028	.17
46	MP3B	X	56.936	5.17
47	MP3B	Z	98.616	5.17
48	MP3B	Mx	-.028	5.17
49	MP3C	X	50.474	.17
50	MP3C	Z	87.423	.17
51	MP3C	Mx	.067	.17
52	MP3C	X	50.474	5.17
53	MP3C	Z	87.423	5.17
54	MP3C	Mx	.067	5.17
55	MP1A	X	13.303	4.67
56	MP1A	Z	23.042	4.67
57	MP1A	Mx	-.004	4.67
58	MP1B	X	6.611	4.67
59	MP1B	Z	11.451	4.67
60	MP1B	Mx	-.004	4.67
61	MP1C	X	3.265	4.67
62	MP1C	Z	5.655	4.67
63	MP1C	Mx	.002	4.67
64	MP1A	X	37.274	.17
65	MP1A	Z	64.56	.17
66	MP1A	Mx	-.016	.17
67	MP1A	X	37.274	2.17
68	MP1A	Z	64.56	2.17
69	MP1A	Mx	-.016	2.17
70	MP1B	X	23.898	.17
71	MP1B	Z	41.393	.17
72	MP1B	Mx	-.017	.17
73	MP1B	X	23.898	2.17
74	MP1B	Z	41.393	2.17
75	MP1B	Mx	-.017	2.17
76	MP1C	X	17.211	.17

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

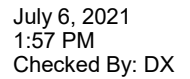
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
77	MP1C	Z	29.81	.17
78	MP1C	Mx	.014	.17
79	MP1C	X	17.211	2.17
80	MP1C	Z	29.81	2.17
81	MP1C	Mx	.014	2.17
82	MP2A	X	32.082	1
83	MP2A	Z	55.568	1
84	MP2A	Mx	.021	1
85	MP2B	X	26.283	1
86	MP2B	Z	45.524	1
87	MP2B	Mx	.03	1
88	MP2C	X	23.384	1
89	MP2C	Z	40.502	1
90	MP2C	Mx	-.031	1
91	MP3A	X	30.972	1
92	MP3A	Z	53.644	1
93	MP3A	Mx	.021	1
94	MP3B	X	22.951	1
95	MP3B	Z	39.752	1
96	MP3B	Mx	.027	1
97	MP3C	X	18.941	1
98	MP3C	Z	32.806	1
99	MP3C	Mx	-.025	1
100	M100	X	70.899	.25
101	M100	Z	122.801	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP4A	X	0	.17
2	MP4A	Z	172.665	.17
3	MP4A	Mx	0	.17
4	MP4A	X	0	5.17
5	MP4A	Z	172.665	5.17
6	MP4A	Mx	0	5.17
7	MP4B	X	0	.17
8	MP4B	Z	114.863	.17
9	MP4B	Mx	-.077	.17
10	MP4B	X	0	5.17
11	MP4B	Z	114.863	5.17
12	MP4B	Mx	-.077	5.17
13	MP4C	X	0	.17
14	MP4C	Z	129.313	.17
15	MP4C	Mx	.075	.17
16	MP4C	X	0	5.17
17	MP4C	Z	129.313	5.17
18	MP4C	Mx	.075	5.17
19	MP3A	X	0	.17
20	MP3A	Z	152.648	.17
21	MP3A	Mx	.102	.17
22	MP3A	X	0	5.17
23	MP3A	Z	152.648	5.17
24	MP3A	Mx	.102	5.17
25	MP3B	X	0	.17
26	MP3B	Z	100.947	.17
27	MP3B	Mx	-.067	.17

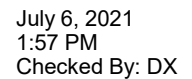
Member Point Loads (BLC 9 : Antenna Wo (180 Deg)) (Continued)

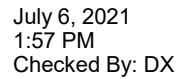
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP3B	X	0	5.17
29	MP3B	Z	100.947	5.17
30	MP3B	Mx	-.067	5.17
31	MP3C	X	0	.17
32	MP3C	Z	113.873	.17
33	MP3C	Mx	.028	.17
34	MP3C	X	0	5.17
35	MP3C	Z	113.873	5.17
36	MP3C	Mx	.028	5.17
37	MP3A	X	0	.17
38	MP3A	Z	152.648	.17
39	MP3A	Mx	-.102	.17
40	MP3A	X	0	5.17
41	MP3A	Z	152.648	5.17
42	MP3A	Mx	-.102	5.17
43	MP3B	X	0	.17
44	MP3B	Z	100.947	.17
45	MP3B	Mx	-.067	.17
46	MP3B	X	0	5.17
47	MP3B	Z	100.947	5.17
48	MP3B	Mx	-.067	5.17
49	MP3C	X	0	.17
50	MP3C	Z	113.873	.17
51	MP3C	Mx	.104	.17
52	MP3C	X	0	5.17
53	MP3C	Z	113.873	5.17
54	MP3C	Mx	.104	5.17
55	MP1A	X	0	4.67
56	MP1A	Z	33.298	4.67
57	MP1A	Mx	0	4.67
58	MP1B	X	0	4.67
59	MP1B	Z	6.53	4.67
60	MP1B	Mx	-.002	4.67
61	MP1C	X	0	4.67
62	MP1C	Z	13.222	4.67
63	MP1C	Mx	.004	4.67
64	MP1A	X	0	.17
65	MP1A	Z	87.922	.17
66	MP1A	Mx	0	.17
67	MP1A	X	0	2.17
68	MP1A	Z	87.922	2.17
69	MP1A	Mx	0	2.17
70	MP1B	X	0	.17
71	MP1B	Z	34.421	.17
72	MP1B	Mx	-.014	.17
73	MP1B	X	0	2.17
74	MP1B	Z	34.421	2.17
75	MP1B	Mx	-.014	2.17
76	MP1C	X	0	.17
77	MP1C	Z	47.797	.17
78	MP1C	Mx	.017	.17
79	MP1C	X	0	2.17
80	MP1C	Z	47.797	2.17
81	MP1C	Mx	.017	2.17
82	MP2A	X	0	1
83	MP2A	Z	69.964	1
84	MP2A	Mx	0	1

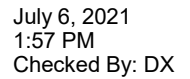


Member Point Loads (BLC 10 : Antenna Wo (210 Deg)) (Continued)

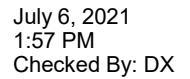
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3C	Mx	-.034	5.17
37	MP3A	X	-69.861	.17
38	MP3A	Z	121.004	.17
39	MP3A	Mx	-.034	.17
40	MP3A	X	-69.861	5.17
41	MP3A	Z	121.004	5.17
42	MP3A	Mx	-.034	5.17
43	MP3B	X	-56.936	.17
44	MP3B	Z	98.616	.17
45	MP3B	Mx	-.104	.17
46	MP3B	X	-56.936	5.17
47	MP3B	Z	98.616	5.17
48	MP3B	Mx	-.104	5.17
49	MP3C	X	-69.861	.17
50	MP3C	Z	121.004	.17
51	MP3C	Mx	.127	.17
52	MP3C	X	-69.861	5.17
53	MP3C	Z	121.004	5.17
54	MP3C	Mx	.127	5.17
55	MP1A	X	-13.303	4.67
56	MP1A	Z	23.042	4.67
57	MP1A	Mx	.004	4.67
58	MP1B	X	-6.611	4.67
59	MP1B	Z	11.451	4.67
60	MP1B	Mx	-.004	4.67
61	MP1C	X	-13.303	4.67
62	MP1C	Z	23.042	4.67
63	MP1C	Mx	.004	4.67
64	MP1A	X	-37.274	.17
65	MP1A	Z	64.56	.17
66	MP1A	Mx	.016	.17
67	MP1A	X	-37.274	2.17
68	MP1A	Z	64.56	2.17
69	MP1A	Mx	.016	2.17
70	MP1B	X	-23.898	.17
71	MP1B	Z	41.393	.17
72	MP1B	Mx	-.017	.17
73	MP1B	X	-23.898	2.17
74	MP1B	Z	41.393	2.17
75	MP1B	Mx	-.017	2.17
76	MP1C	X	-37.274	.17
77	MP1C	Z	64.56	.17
78	MP1C	Mx	.016	.17
79	MP1C	X	-37.274	2.17
80	MP1C	Z	64.56	2.17
81	MP1C	Mx	.016	2.17
82	MP2A	X	-32.082	1
83	MP2A	Z	55.568	1
84	MP2A	Mx	-.021	1
85	MP2B	X	-26.283	1
86	MP2B	Z	45.524	1
87	MP2B	Mx	.03	1
88	MP2C	X	-32.082	1
89	MP2C	Z	55.568	1
90	MP2C	Mx	-.021	1
91	MP3A	X	-30.972	1
92	MP3A	Z	53.644	1



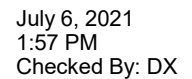




	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP4A	X	-111.989	.17
2	MP4A	Z	-64.657	17



	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP4A	X	-79.107	.17
2	MP4A	Z	-137.018	.17
3	MP4A	Mx	.053	.17
4	MP4A	X	-79.107	5.17
5	MP4A	Z	-137.018	5.17
6	MP4A	Mx	.053	5.17
7	MP4B	X	-64.657	.17
8	MP4B	Z	-111.989	.17
9	MP4B	Mx	.075	.17
10	MP4B	X	-64.657	5.17



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP1C	X	0	.17
77	MP1C	Z	-10.911	.17
78	MP1C	Mx	-.004	.17
79	MP1C	X	0	2.17
80	MP1C	Z	-10.911	2.17
81	MP1C	Mx	-.004	2.17
82	MP2A	X	0	1
83	MP2A	Z	-16.201	1
84	MP2A	Mx	0	1
85	MP2B	X	0	1
86	MP2B	Z	-11.462	1
87	MP2B	Mx	-.008	1
88	MP2C	X	0	1
89	MP2C	Z	-12.647	1
90	MP2C	Mx	.007	1
91	MP3A	X	0	1
92	MP3A	Z	-16.201	1
93	MP3A	Mx	0	1
94	MP3B	X	0	1
95	MP3B	Z	-9.661	1
96	MP3B	Mx	-.006	1
97	MP3C	X	0	1
98	MP3C	Z	-11.296	1
99	MP3C	Mx	.007	1
100	M100	X	0	.25
101	M100	Z	-28.256	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	16.441	.17
2	MP4A	Z	-28.477	.17
3	MP4A	Mx	-.011	.17
4	MP4A	X	16.441	5.17
5	MP4A	Z	-28.477	5.17
6	MP4A	Mx	-.011	5.17
7	MP4B	X	13.798	.17
8	MP4B	Z	-23.898	.17
9	MP4B	Mx	.016	.17
10	MP4B	X	13.798	5.17
11	MP4B	Z	-23.898	5.17
12	MP4B	Mx	.016	5.17
13	MP4C	X	16.441	.17
14	MP4C	Z	-28.477	.17
15	MP4C	Mx	-.011	.17
16	MP4C	X	16.441	5.17
17	MP4C	Z	-28.477	5.17
18	MP4C	Mx	-.011	5.17
19	MP3A	X	14.593	.17
20	MP3A	Z	-25.275	.17
21	MP3A	Mx	-.027	.17
22	MP3A	X	14.593	5.17
23	MP3A	Z	-25.275	5.17
24	MP3A	Mx	-.027	5.17
25	MP3B	X	12.239	.17
26	MP3B	Z	-21.198	.17

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
27	MP3B	Mx	.006	.17
28	MP3B	X	12.239	5.17
29	MP3B	Z	-21.198	5.17
30	MP3B	Mx	.006	5.17
31	MP3C	X	14.593	.17
32	MP3C	Z	-25.275	.17
33	MP3C	Mx	.007	.17
34	MP3C	X	14.593	5.17
35	MP3C	Z	-25.275	5.17
36	MP3C	Mx	.007	5.17
37	MP3A	X	14.593	.17
38	MP3A	Z	-25.275	.17
39	MP3A	Mx	.007	.17
40	MP3A	X	14.593	5.17
41	MP3A	Z	-25.275	5.17
42	MP3A	Mx	.007	5.17
43	MP3B	X	12.239	.17
44	MP3B	Z	-21.198	.17
45	MP3B	Mx	.022	.17
46	MP3B	X	12.239	5.17
47	MP3B	Z	-21.198	5.17
48	MP3B	Mx	.022	5.17
49	MP3C	X	14.593	.17
50	MP3C	Z	-25.275	.17
51	MP3C	Mx	-.027	.17
52	MP3C	X	14.593	5.17
53	MP3C	Z	-25.275	5.17
54	MP3C	Mx	-.027	5.17
55	MP1A	X	3.594	4.67
56	MP1A	Z	-6.224	4.67
57	MP1A	Mx	-.001	4.67
58	MP1B	X	2.159	4.67
59	MP1B	Z	-3.739	4.67
60	MP1B	Mx	.001	4.67
61	MP1C	X	3.594	4.67
62	MP1C	Z	-6.224	4.67
63	MP1C	Mx	-.001	4.67
64	MP1A	X	8.074	.17
65	MP1A	Z	-13.985	.17
66	MP1A	Mx	-.003	.17
67	MP1A	X	8.074	2.17
68	MP1A	Z	-13.985	2.17
69	MP1A	Mx	-.003	2.17
70	MP1B	X	5.455	.17
71	MP1B	Z	-9.449	.17
72	MP1B	Mx	.004	.17
73	MP1B	X	5.455	2.17
74	MP1B	Z	-9.449	2.17
75	MP1B	Mx	.004	2.17
76	MP1C	X	8.074	.17
77	MP1C	Z	-13.985	.17
78	MP1C	Mx	-.003	.17
79	MP1C	X	8.074	2.17
80	MP1C	Z	-13.985	2.17
81	MP1C	Mx	-.003	2.17
82	MP2A	X	7.508	1
83	MP2A	Z	-13.005	1

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

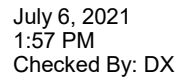
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
84	MP2A	Mx	.005	1
85	MP2B	X	6.323	1
86	MP2B	Z	-10.952	1
87	MP2B	Mx	-.007	1
88	MP2C	X	7.508	1
89	MP2C	Z	-13.005	1
90	MP2C	Mx	.005	1
91	MP3A	X	7.283	1
92	MP3A	Z	-12.615	1
93	MP3A	Mx	.005	1
94	MP3B	X	5.648	1
95	MP3B	Z	-9.782	1
96	MP3B	Mx	-.007	1
97	MP3C	X	7.283	1
98	MP3C	Z	-12.615	1
99	MP3C	Mx	.005	1
100	M100	X	11.798	.25
101	M100	Z	-20.434	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP4A	X	23.898	.17
2	MP4A	Z	-13.798	.17
3	MP4A	Mx	-.016	.17
4	MP4A	X	23.898	5.17
5	MP4A	Z	-13.798	5.17
6	MP4A	Mx	-.016	5.17
7	MP4B	X	28.477	.17
8	MP4B	Z	-16.441	.17
9	MP4B	Mx	.011	.17
10	MP4B	X	28.477	5.17
11	MP4B	Z	-16.441	5.17
12	MP4B	Mx	.011	5.17
13	MP4C	X	30.766	.17
14	MP4C	Z	-17.763	.17
15	MP4C	Mx	0	.17
16	MP4C	X	30.766	5.17
17	MP4C	Z	-17.763	5.17
18	MP4C	Mx	0	5.17
19	MP3A	X	21.198	.17
20	MP3A	Z	-12.239	.17
21	MP3A	Mx	-.022	.17
22	MP3A	X	21.198	5.17
23	MP3A	Z	-12.239	5.17
24	MP3A	Mx	-.022	5.17
25	MP3B	X	25.275	.17
26	MP3B	Z	-14.593	.17
27	MP3B	Mx	-.007	.17
28	MP3B	X	25.275	5.17
29	MP3B	Z	-14.593	5.17
30	MP3B	Mx	-.007	5.17
31	MP3C	X	27.314	.17
32	MP3C	Z	-15.77	.17
33	MP3C	Mx	.021	.17
34	MP3C	X	27.314	5.17

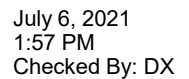
Member Point Loads (BLC 17 : Antenna Wi (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
35	MP3C	Z	-15.77	5.17
36	MP3C	Mx	.021	5.17
37	MP3A	X	21.198	.17
38	MP3A	Z	-12.239	.17
39	MP3A	Mx	-.006	.17
40	MP3A	X	21.198	5.17
41	MP3A	Z	-12.239	5.17
42	MP3A	Mx	-.006	5.17
43	MP3B	X	25.275	.17
44	MP3B	Z	-14.593	.17
45	MP3B	Mx	.027	.17
46	MP3B	X	25.275	5.17
47	MP3B	Z	-14.593	5.17
48	MP3B	Mx	.027	5.17
49	MP3C	X	27.314	.17
50	MP3C	Z	-15.77	.17
51	MP3C	Mx	-.021	.17
52	MP3C	X	27.314	5.17
53	MP3C	Z	-15.77	5.17
54	MP3C	Mx	-.021	5.17
55	MP1A	X	3.739	4.67
56	MP1A	Z	-2.159	4.67
57	MP1A	Mx	-.001	4.67
58	MP1B	X	6.224	4.67
59	MP1B	Z	-3.594	4.67
60	MP1B	Mx	.001	4.67
61	MP1C	X	7.467	4.67
62	MP1C	Z	-4.311	4.67
63	MP1C	Mx	0	4.67
64	MP1A	X	9.449	.17
65	MP1A	Z	-5.455	.17
66	MP1A	Mx	-.004	.17
67	MP1A	X	9.449	2.17
68	MP1A	Z	-5.455	2.17
69	MP1A	Mx	-.004	2.17
70	MP1B	X	13.985	.17
71	MP1B	Z	-8.074	.17
72	MP1B	Mx	.003	.17
73	MP1B	X	13.985	2.17
74	MP1B	Z	-8.074	2.17
75	MP1B	Mx	.003	2.17
76	MP1C	X	16.253	.17
77	MP1C	Z	-9.384	.17
78	MP1C	Mx	0	.17
79	MP1C	X	16.253	2.17
80	MP1C	Z	-9.384	2.17
81	MP1C	Mx	0	2.17
82	MP2A	X	10.952	1
83	MP2A	Z	-6.323	1
84	MP2A	Mx	.007	1
85	MP2B	X	13.005	1
86	MP2B	Z	-7.508	1
87	MP2B	Mx	-.005	1
88	MP2C	X	14.031	1
89	MP2C	Z	-8.101	1
90	MP2C	Mx	0	1
91	MP3A	X	9.782	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
43	MP3B	X	31.539	.17
44	MP3B	Z	0	.17
45	MP3B	Mx	.021	.17
46	MP3B	X	31.539	5.17
47	MP3B	Z	0	5.17
48	MP3B	Mx	.021	5.17
49	MP3C	X	29.185	.17
50	MP3C	Z	0	.17
51	MP3C	Mx	-.007	.17
52	MP3C	X	29.185	5.17
53	MP3C	Z	0	5.17
54	MP3C	Mx	-.007	5.17
55	MP1A	X	2.882	4.67
56	MP1A	Z	0	4.67
57	MP1A	Mx	-.000961	4.67
58	MP1B	X	8.622	4.67
59	MP1B	Z	0	4.67
60	MP1B	Mx	0	4.67
61	MP1C	X	7.187	4.67
62	MP1C	Z	0	4.67
63	MP1C	Mx	.001	4.67
64	MP1A	X	8.292	.17
65	MP1A	Z	0	.17
66	MP1A	Mx	-.003	.17
67	MP1A	X	8.292	2.17
68	MP1A	Z	0	2.17
69	MP1A	Mx	-.003	2.17
70	MP1B	X	18.768	.17
71	MP1B	Z	0	.17
72	MP1B	Mx	0	.17
73	MP1B	X	18.768	2.17
74	MP1B	Z	0	2.17
75	MP1B	Mx	0	2.17
76	MP1C	X	16.149	.17
77	MP1C	Z	0	.17
78	MP1C	Mx	.003	.17
79	MP1C	X	16.149	2.17
80	MP1C	Z	0	2.17
81	MP1C	Mx	.003	2.17
82	MP2A	X	11.462	1
83	MP2A	Z	0	1
84	MP2A	Mx	.008	1
85	MP2B	X	16.201	1
86	MP2B	Z	0	1
87	MP2B	Mx	0	1
88	MP2C	X	15.016	1
89	MP2C	Z	0	1
90	MP2C	Mx	-.005	1
91	MP3A	X	9.661	1
92	MP3A	Z	0	1
93	MP3A	Mx	.006	1
94	MP3B	X	16.201	1
95	MP3B	Z	0	1
96	MP3B	Mx	0	1
97	MP3C	X	14.566	1
98	MP3C	Z	0	1
99	MP3C	Mx	-.005	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP3C	Mx	.006	.17
52	MP3C	X	21.198	5.17
53	MP3C	Z	12.239	5.17
54	MP3C	Mx	.006	5.17
55	MP1A	X	3.739	4.67
56	MP1A	Z	2.159	4.67
57	MP1A	Mx	-.001	4.67
58	MP1B	X	6.224	4.67
59	MP1B	Z	3.594	4.67
60	MP1B	Mx	-.001	4.67
61	MP1C	X	3.739	4.67
62	MP1C	Z	2.159	4.67
63	MP1C	Mx	.001	4.67
64	MP1A	X	9.449	.17
65	MP1A	Z	5.455	.17
66	MP1A	Mx	-.004	.17
67	MP1A	X	9.449	2.17
68	MP1A	Z	5.455	2.17
69	MP1A	Mx	-.004	2.17
70	MP1B	X	13.985	.17
71	MP1B	Z	8.074	.17
72	MP1B	Mx	-.003	.17
73	MP1B	X	13.985	2.17
74	MP1B	Z	8.074	2.17
75	MP1B	Mx	-.003	2.17
76	MP1C	X	9.449	.17
77	MP1C	Z	5.455	.17
78	MP1C	Mx	.004	.17
79	MP1C	X	9.449	2.17
80	MP1C	Z	5.455	2.17
81	MP1C	Mx	.004	2.17
82	MP2A	X	10.952	1
83	MP2A	Z	6.323	1
84	MP2A	Mx	.007	1
85	MP2B	X	13.005	1
86	MP2B	Z	7.508	1
87	MP2B	Mx	.005	1
88	MP2C	X	10.952	1
89	MP2C	Z	6.323	1
90	MP2C	Mx	-.007	1
91	MP3A	X	9.782	1
92	MP3A	Z	5.648	1
93	MP3A	Mx	.007	1
94	MP3B	X	12.615	1
95	MP3B	Z	7.283	1
96	MP3B	Mx	.005	1
97	MP3C	X	9.782	1
98	MP3C	Z	5.648	1
99	MP3C	Mx	-.007	1
100	M100	X	24.47	.25
101	M100	Z	14.128	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	16.441	.17

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
2	MP4A	Z	28.477	.17
3	MP4A	Mx	-.011	.17
4	MP4A	X	16.441	5.17
5	MP4A	Z	28.477	5.17
6	MP4A	Mx	-.011	5.17
7	MP4B	X	13.798	.17
8	MP4B	Z	23.898	.17
9	MP4B	Mx	-.016	.17
10	MP4B	X	13.798	5.17
11	MP4B	Z	23.898	5.17
12	MP4B	Mx	-.016	5.17
13	MP4C	X	12.476	.17
14	MP4C	Z	21.609	.17
15	MP4C	Mx	.017	.17
16	MP4C	X	12.476	5.17
17	MP4C	Z	21.609	5.17
18	MP4C	Mx	.017	5.17
19	MP3A	X	14.593	.17
20	MP3A	Z	25.275	.17
21	MP3A	Mx	.007	.17
22	MP3A	X	14.593	5.17
23	MP3A	Z	25.275	5.17
24	MP3A	Mx	.007	5.17
25	MP3B	X	12.239	.17
26	MP3B	Z	21.198	.17
27	MP3B	Mx	-.022	.17
28	MP3B	X	12.239	5.17
29	MP3B	Z	21.198	5.17
30	MP3B	Mx	-.022	5.17
31	MP3C	X	11.062	.17
32	MP3C	Z	19.16	.17
33	MP3C	Mx	.015	.17
34	MP3C	X	11.062	5.17
35	MP3C	Z	19.16	5.17
36	MP3C	Mx	.015	5.17
37	MP3A	X	14.593	.17
38	MP3A	Z	25.275	.17
39	MP3A	Mx	-.027	.17
40	MP3A	X	14.593	5.17
41	MP3A	Z	25.275	5.17
42	MP3A	Mx	-.027	5.17
43	MP3B	X	12.239	.17
44	MP3B	Z	21.198	.17
45	MP3B	Mx	-.006	.17
46	MP3B	X	12.239	5.17
47	MP3B	Z	21.198	5.17
48	MP3B	Mx	-.006	5.17
49	MP3C	X	11.062	.17
50	MP3C	Z	19.16	.17
51	MP3C	Mx	.015	.17
52	MP3C	X	11.062	5.17
53	MP3C	Z	19.16	5.17
54	MP3C	Mx	.015	5.17
55	MP1A	X	3.594	4.67
56	MP1A	Z	6.224	4.67
57	MP1A	Mx	-.001	4.67
58	MP1B	X	2.159	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
59	MP1B	Z	3.739	4.67
60	MP1B	Mx	-.001	4.67
61	MP1C	X	1.441	4.67
62	MP1C	Z	2.496	4.67
63	MP1C	Mx	.000961	4.67
64	MP1A	X	8.074	.17
65	MP1A	Z	13.985	.17
66	MP1A	Mx	-.003	.17
67	MP1A	X	8.074	2.17
68	MP1A	Z	13.985	2.17
69	MP1A	Mx	-.003	2.17
70	MP1B	X	5.455	.17
71	MP1B	Z	9.449	.17
72	MP1B	Mx	-.004	.17
73	MP1B	X	5.455	2.17
74	MP1B	Z	9.449	2.17
75	MP1B	Mx	-.004	2.17
76	MP1C	X	4.146	.17
77	MP1C	Z	7.181	.17
78	MP1C	Mx	.003	.17
79	MP1C	X	4.146	2.17
80	MP1C	Z	7.181	2.17
81	MP1C	Mx	.003	2.17
82	MP2A	X	7.508	1
83	MP2A	Z	13.005	1
84	MP2A	Mx	.005	1
85	MP2B	X	6.323	1
86	MP2B	Z	10.952	1
87	MP2B	Mx	.007	1
88	MP2C	X	5.731	1
89	MP2C	Z	9.926	1
90	MP2C	Mx	-.008	1
91	MP3A	X	7.283	1
92	MP3A	Z	12.615	1
93	MP3A	Mx	.005	1
94	MP3B	X	5.648	1
95	MP3B	Z	9.782	1
96	MP3B	Mx	.007	1
97	MP3C	X	4.83	1
98	MP3C	Z	8.366	1
99	MP3C	Mx	-.006	1
100	M100	X	15.293	.25
101	M100	Z	26.488	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP4A	X	0	.17
2	MP4A	Z	35.526	.17
3	MP4A	Mx	0	.17
4	MP4A	X	0	5.17
5	MP4A	Z	35.526	5.17
6	MP4A	Mx	0	5.17
7	MP4B	X	0	.17
8	MP4B	Z	24.952	.17
9	MP4B	Mx	-.017	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP4B	X	0	5.17
11	MP4B	Z	24.952	5.17
12	MP4B	Mx	-.017	5.17
13	MP4C	X	0	.17
14	MP4C	Z	27.596	.17
15	MP4C	Mx	.016	.17
16	MP4C	X	0	5.17
17	MP4C	Z	27.596	5.17
18	MP4C	Mx	.016	5.17
19	MP3A	X	0	.17
20	MP3A	Z	31.539	.17
21	MP3A	Mx	.021	.17
22	MP3A	X	0	5.17
23	MP3A	Z	31.539	5.17
24	MP3A	Mx	.021	5.17
25	MP3B	X	0	.17
26	MP3B	Z	22.124	.17
27	MP3B	Mx	-.015	.17
28	MP3B	X	0	5.17
29	MP3B	Z	22.124	5.17
30	MP3B	Mx	-.015	5.17
31	MP3C	X	0	.17
32	MP3C	Z	24.478	.17
33	MP3C	Mx	.006	.17
34	MP3C	X	0	5.17
35	MP3C	Z	24.478	5.17
36	MP3C	Mx	.006	5.17
37	MP3A	X	0	.17
38	MP3A	Z	31.539	.17
39	MP3A	Mx	-.021	.17
40	MP3A	X	0	5.17
41	MP3A	Z	31.539	5.17
42	MP3A	Mx	-.021	5.17
43	MP3B	X	0	.17
44	MP3B	Z	22.124	.17
45	MP3B	Mx	-.015	.17
46	MP3B	X	0	5.17
47	MP3B	Z	22.124	5.17
48	MP3B	Mx	-.015	5.17
49	MP3C	X	0	.17
50	MP3C	Z	24.478	.17
51	MP3C	Mx	.022	.17
52	MP3C	X	0	5.17
53	MP3C	Z	24.478	5.17
54	MP3C	Mx	.022	5.17
55	MP1A	X	0	4.67
56	MP1A	Z	8.622	4.67
57	MP1A	Mx	0	4.67
58	MP1B	X	0	4.67
59	MP1B	Z	2.882	4.67
60	MP1B	Mx	-.000961	4.67
61	MP1C	X	0	4.67
62	MP1C	Z	4.317	4.67
63	MP1C	Mx	.001	4.67
64	MP1A	X	0	.17
65	MP1A	Z	18.768	.17
66	MP1A	Mx	0	.17

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP4C	Mx	.011	5.17
19	MP3A	X	-14.593	.17
20	MP3A	Z	25.275	.17
21	MP3A	Mx	.027	.17
22	MP3A	X	-14.593	5.17
23	MP3A	Z	25.275	5.17
24	MP3A	Mx	.027	5.17
25	MP3B	X	-12.239	.17
26	MP3B	Z	21.198	.17
27	MP3B	Mx	-.006	.17
28	MP3B	X	-12.239	5.17
29	MP3B	Z	21.198	5.17
30	MP3B	Mx	-.006	5.17
31	MP3C	X	-14.593	.17
32	MP3C	Z	25.275	.17
33	MP3C	Mx	-.007	.17
34	MP3C	X	-14.593	5.17
35	MP3C	Z	25.275	5.17
36	MP3C	Mx	-.007	5.17
37	MP3A	X	-14.593	.17
38	MP3A	Z	25.275	.17
39	MP3A	Mx	-.007	.17
40	MP3A	X	-14.593	5.17
41	MP3A	Z	25.275	5.17
42	MP3A	Mx	-.007	5.17
43	MP3B	X	-12.239	.17
44	MP3B	Z	21.198	.17
45	MP3B	Mx	-.022	.17
46	MP3B	X	-12.239	5.17
47	MP3B	Z	21.198	5.17
48	MP3B	Mx	-.022	5.17
49	MP3C	X	-14.593	.17
50	MP3C	Z	25.275	.17
51	MP3C	Mx	.027	.17
52	MP3C	X	-14.593	5.17
53	MP3C	Z	25.275	5.17
54	MP3C	Mx	.027	5.17
55	MP1A	X	-3.594	4.67
56	MP1A	Z	6.224	4.67
57	MP1A	Mx	.001	4.67
58	MP1B	X	-2.159	4.67
59	MP1B	Z	3.739	4.67
60	MP1B	Mx	-.001	4.67
61	MP1C	X	-3.594	4.67
62	MP1C	Z	6.224	4.67
63	MP1C	Mx	.001	4.67
64	MP1A	X	-8.074	.17
65	MP1A	Z	13.985	.17
66	MP1A	Mx	.003	.17
67	MP1A	X	-8.074	2.17
68	MP1A	Z	13.985	2.17
69	MP1A	Mx	.003	2.17
70	MP1B	X	-5.455	.17
71	MP1B	Z	9.449	.17
72	MP1B	Mx	-.004	.17
73	MP1B	X	-5.455	2.17
74	MP1B	Z	9.449	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP1B	Mx	-.004	2.17
76	MP1C	X	-8.074	.17
77	MP1C	Z	13.985	.17
78	MP1C	Mx	.003	.17
79	MP1C	X	-8.074	2.17
80	MP1C	Z	13.985	2.17
81	MP1C	Mx	.003	2.17
82	MP2A	X	-7.508	1
83	MP2A	Z	13.005	1
84	MP2A	Mx	-.005	1
85	MP2B	X	-6.323	1
86	MP2B	Z	10.952	1
87	MP2B	Mx	.007	1
88	MP2C	X	-7.508	1
89	MP2C	Z	13.005	1
90	MP2C	Mx	-.005	1
91	MP3A	X	-7.283	1
92	MP3A	Z	12.615	1
93	MP3A	Mx	-.005	1
94	MP3B	X	-5.648	1
95	MP3B	Z	9.782	1
96	MP3B	Mx	.007	1
97	MP3C	X	-7.283	1
98	MP3C	Z	12.615	1
99	MP3C	Mx	-.005	1
100	M100	X	-11.798	.25
101	M100	Z	20.434	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-23.898	.17
2	MP4A	Z	13.798	.17
3	MP4A	Mx	.016	.17
4	MP4A	X	-23.898	5.17
5	MP4A	Z	13.798	5.17
6	MP4A	Mx	.016	5.17
7	MP4B	X	-28.477	.17
8	MP4B	Z	16.441	.17
9	MP4B	Mx	-.011	.17
10	MP4B	X	-28.477	5.17
11	MP4B	Z	16.441	5.17
12	MP4B	Mx	-.011	5.17
13	MP4C	X	-30.766	.17
14	MP4C	Z	17.763	.17
15	MP4C	Mx	0	.17
16	MP4C	X	-30.766	5.17
17	MP4C	Z	17.763	5.17
18	MP4C	Mx	0	5.17
19	MP3A	X	-21.198	.17
20	MP3A	Z	12.239	.17
21	MP3A	Mx	.022	.17
22	MP3A	X	-21.198	5.17
23	MP3A	Z	12.239	5.17
24	MP3A	Mx	.022	5.17
25	MP3B	X	-25.275	.17

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
26	MP3B	Z	14.593	.17
27	MP3B	Mx	.007	.17
28	MP3B	X	-25.275	5.17
29	MP3B	Z	14.593	5.17
30	MP3B	Mx	.007	5.17
31	MP3C	X	-27.314	.17
32	MP3C	Z	15.77	.17
33	MP3C	Mx	-.021	.17
34	MP3C	X	-27.314	5.17
35	MP3C	Z	15.77	5.17
36	MP3C	Mx	-.021	5.17
37	MP3A	X	-21.198	.17
38	MP3A	Z	12.239	.17
39	MP3A	Mx	.006	.17
40	MP3A	X	-21.198	5.17
41	MP3A	Z	12.239	5.17
42	MP3A	Mx	.006	5.17
43	MP3B	X	-25.275	.17
44	MP3B	Z	14.593	.17
45	MP3B	Mx	-.027	.17
46	MP3B	X	-25.275	5.17
47	MP3B	Z	14.593	5.17
48	MP3B	Mx	-.027	5.17
49	MP3C	X	-27.314	.17
50	MP3C	Z	15.77	.17
51	MP3C	Mx	.021	.17
52	MP3C	X	-27.314	5.17
53	MP3C	Z	15.77	5.17
54	MP3C	Mx	.021	5.17
55	MP1A	X	-3.739	4.67
56	MP1A	Z	2.159	4.67
57	MP1A	Mx	.001	4.67
58	MP1B	X	-6.224	4.67
59	MP1B	Z	3.594	4.67
60	MP1B	Mx	-.001	4.67
61	MP1C	X	-7.467	4.67
62	MP1C	Z	4.311	4.67
63	MP1C	Mx	0	4.67
64	MP1A	X	-9.449	.17
65	MP1A	Z	5.455	.17
66	MP1A	Mx	.004	.17
67	MP1A	X	-9.449	2.17
68	MP1A	Z	5.455	2.17
69	MP1A	Mx	.004	2.17
70	MP1B	X	-13.985	.17
71	MP1B	Z	8.074	.17
72	MP1B	Mx	-.003	.17
73	MP1B	X	-13.985	2.17
74	MP1B	Z	8.074	2.17
75	MP1B	Mx	-.003	2.17
76	MP1C	X	-16.253	.17
77	MP1C	Z	9.384	.17
78	MP1C	Mx	0	.17
79	MP1C	X	-16.253	2.17
80	MP1C	Z	9.384	2.17
81	MP1C	Mx	0	2.17
82	MP2A	X	-10.952	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
83	MP2A	Z	6.323	1
84	MP2A	Mx	-.007	1
85	MP2B	X	-13.005	1
86	MP2B	Z	7.508	1
87	MP2B	Mx	.005	1
88	MP2C	X	-14.031	1
89	MP2C	Z	8.101	1
90	MP2C	Mx	0	1
91	MP3A	X	-9.782	1
92	MP3A	Z	5.648	1
93	MP3A	Mx	-.007	1
94	MP3B	X	-12.615	1
95	MP3B	Z	7.283	1
96	MP3B	Mx	.005	1
97	MP3C	X	-14.031	1
98	MP3C	Z	8.101	1
99	MP3C	Mx	0	1
100	M100	X	-18.416	.25
101	M100	Z	10.633	.25
102	M100	Mx	0	.25

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

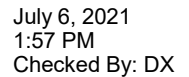
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP4A	X	-24.952	.17
2	MP4A	Z	0	.17
3	MP4A	Mx	.017	.17
4	MP4A	X	-24.952	5.17
5	MP4A	Z	0	5.17
6	MP4A	Mx	.017	5.17
7	MP4B	X	-35.526	.17
8	MP4B	Z	0	.17
9	MP4B	Mx	0	.17
10	MP4B	X	-35.526	5.17
11	MP4B	Z	0	5.17
12	MP4B	Mx	0	5.17
13	MP4C	X	-32.883	.17
14	MP4C	Z	0	.17
15	MP4C	Mx	-.011	.17
16	MP4C	X	-32.883	5.17
17	MP4C	Z	0	5.17
18	MP4C	Mx	-.011	5.17
19	MP3A	X	-22.124	.17
20	MP3A	Z	0	.17
21	MP3A	Mx	.015	.17
22	MP3A	X	-22.124	5.17
23	MP3A	Z	0	5.17
24	MP3A	Mx	.015	5.17
25	MP3B	X	-31.539	.17
26	MP3B	Z	0	.17
27	MP3B	Mx	.021	.17
28	MP3B	X	-31.539	5.17
29	MP3B	Z	0	5.17
30	MP3B	Mx	.021	5.17
31	MP3C	X	-29.185	.17
32	MP3C	Z	0	.17
33	MP3C	Mx	-.027	.17

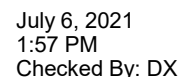
Member Point Loads (BLC 24 : Antenna Wi (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
91	MP3A	X	-9.661	1
92	MP3A	Z	0	1
93	MP3A	Mx	-.006	1
94	MP3B	X	-16.201	1
95	MP3B	Z	0	1
96	MP3B	Mx	0	1
97	MP3C	X	-14.566	1
98	MP3C	Z	0	1
99	MP3C	Mx	.005	1
100	M100	X	-23.595	.25
101	M100	Z	0	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP4A	X	-23.898	.17
2	MP4A	Z	-13.798	.17
3	MP4A	Mx	.016	.17
4	MP4A	X	-23.898	5.17
5	MP4A	Z	-13.798	5.17
6	MP4A	Mx	.016	5.17
7	MP4B	X	-28.477	.17
8	MP4B	Z	-16.441	.17
9	MP4B	Mx	.011	.17
10	MP4B	X	-28.477	5.17
11	MP4B	Z	-16.441	5.17
12	MP4B	Mx	.011	5.17
13	MP4C	X	-23.898	.17
14	MP4C	Z	-13.798	.17
15	MP4C	Mx	-.016	.17
16	MP4C	X	-23.898	5.17
17	MP4C	Z	-13.798	5.17
18	MP4C	Mx	-.016	5.17
19	MP3A	X	-21.198	.17
20	MP3A	Z	-12.239	.17
21	MP3A	Mx	.006	.17
22	MP3A	X	-21.198	5.17
23	MP3A	Z	-12.239	5.17
24	MP3A	Mx	.006	5.17
25	MP3B	X	-25.275	.17
26	MP3B	Z	-14.593	.17
27	MP3B	Mx	.027	.17
28	MP3B	X	-25.275	5.17
29	MP3B	Z	-14.593	5.17
30	MP3B	Mx	.027	5.17
31	MP3C	X	-21.198	.17
32	MP3C	Z	-12.239	.17
33	MP3C	Mx	-.022	.17
34	MP3C	X	-21.198	5.17
35	MP3C	Z	-12.239	5.17
36	MP3C	Mx	-.022	5.17
37	MP3A	X	-21.198	.17
38	MP3A	Z	-12.239	.17
39	MP3A	Mx	.022	.17
40	MP3A	X	-21.198	5.17
41	MP3A	Z	-12.239	5.17





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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP1B	X	0	4.67
59	MP1B	Z	-422	4.67
60	MP1B	Mx	.000141	4.67
61	MP1C	X	0	4.67
62	MP1C	Z	-855	4.67
63	MP1C	Mx	-.000247	4.67
64	MP1A	X	0	.17
65	MP1A	Z	-5.683	.17
66	MP1A	Mx	0	.17
67	MP1A	X	0	2.17
68	MP1A	Z	-5.683	2.17
69	MP1A	Mx	0	2.17
70	MP1B	X	0	.17
71	MP1B	Z	-2.225	.17
72	MP1B	Mx	.000927	.17
73	MP1B	X	0	2.17
74	MP1B	Z	-2.225	2.17
75	MP1B	Mx	.000927	2.17
76	MP1C	X	0	.17
77	MP1C	Z	-3.089	.17
78	MP1C	Mx	-.001	.17
79	MP1C	X	0	2.17
80	MP1C	Z	-3.089	2.17
81	MP1C	Mx	-.001	2.17
82	MP2A	X	0	1
83	MP2A	Z	-4.522	1
84	MP2A	Mx	0	1
85	MP2B	X	0	1
86	MP2B	Z	-3.023	1
87	MP2B	Mx	-.002	1
88	MP2C	X	0	1
89	MP2C	Z	-3.398	1
90	MP2C	Mx	.002	1
91	MP3A	X	0	1
92	MP3A	Z	-4.522	1
93	MP3A	Mx	0	1
94	MP3B	X	0	1
95	MP3B	Z	-2.449	1
96	MP3B	Mx	-.002	1
97	MP3C	X	0	1
98	MP3C	Z	-2.967	1
99	MP3C	Mx	.002	1
100	M100	X	0	.25
101	M100	Z	-8.391	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP4A	X	5.113	.17
2	MP4A	Z	-8.856	.17
3	MP4A	Mx	-.003	.17
4	MP4A	X	5.113	5.17
5	MP4A	Z	-8.856	5.17
6	MP4A	Mx	-.003	5.17
7	MP4B	X	4.179	.17
8	MP4B	Z	-7.239	.17

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
9	MP4B	Mx	.005	.17
10	MP4B	X	4.179	5.17
11	MP4B	Z	-7.239	5.17
12	MP4B	Mx	.005	5.17
13	MP4C	X	5.113	.17
14	MP4C	Z	-8.856	.17
15	MP4C	Mx	-.003	.17
16	MP4C	X	5.113	5.17
17	MP4C	Z	-8.856	5.17
18	MP4C	Mx	-.003	5.17
19	MP3A	X	4.516	.17
20	MP3A	Z	-7.821	.17
21	MP3A	Mx	-.008	.17
22	MP3A	X	4.516	5.17
23	MP3A	Z	-7.821	5.17
24	MP3A	Mx	-.008	5.17
25	MP3B	X	3.68	.17
26	MP3B	Z	-6.374	.17
27	MP3B	Mx	.002	.17
28	MP3B	X	3.68	5.17
29	MP3B	Z	-6.374	5.17
30	MP3B	Mx	.002	5.17
31	MP3C	X	4.516	.17
32	MP3C	Z	-7.821	.17
33	MP3C	Mx	.002	.17
34	MP3C	X	4.516	5.17
35	MP3C	Z	-7.821	5.17
36	MP3C	Mx	.002	5.17
37	MP3A	X	4.516	.17
38	MP3A	Z	-7.821	.17
39	MP3A	Mx	.002	.17
40	MP3A	X	4.516	5.17
41	MP3A	Z	-7.821	5.17
42	MP3A	Mx	.002	5.17
43	MP3B	X	3.68	.17
44	MP3B	Z	-6.374	.17
45	MP3B	Mx	.007	.17
46	MP3B	X	3.68	5.17
47	MP3B	Z	-6.374	5.17
48	MP3B	Mx	.007	5.17
49	MP3C	X	4.516	.17
50	MP3C	Z	-7.821	.17
51	MP3C	Mx	-.008	.17
52	MP3C	X	4.516	5.17
53	MP3C	Z	-7.821	5.17
54	MP3C	Mx	-.008	5.17
55	MP1A	X	.86	4.67
56	MP1A	Z	-1.489	4.67
57	MP1A	Mx	-.000287	4.67
58	MP1B	X	.427	4.67
59	MP1B	Z	-.74	4.67
60	MP1B	Mx	.000247	4.67
61	MP1C	X	.86	4.67
62	MP1C	Z	-1.489	4.67
63	MP1C	Mx	-.000287	4.67
64	MP1A	X	2.409	.17
65	MP1A	Z	-4.173	.17

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

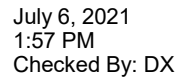
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1A	Mx	-.001	.17
67	MP1A	X	2.409	2.17
68	MP1A	Z	-4.173	2.17
69	MP1A	Mx	-.001	2.17
70	MP1B	X	1.545	.17
71	MP1B	Z	-2.676	.17
72	MP1B	Mx	.001	.17
73	MP1B	X	1.545	2.17
74	MP1B	Z	-2.676	2.17
75	MP1B	Mx	.001	2.17
76	MP1C	X	2.409	.17
77	MP1C	Z	-4.173	.17
78	MP1C	Mx	-.001	.17
79	MP1C	X	2.409	2.17
80	MP1C	Z	-4.173	2.17
81	MP1C	Mx	-.001	2.17
82	MP2A	X	2.074	1
83	MP2A	Z	-3.592	1
84	MP2A	Mx	.001	1
85	MP2B	X	1.699	1
86	MP2B	Z	-2.943	1
87	MP2B	Mx	-.002	1
88	MP2C	X	2.074	1
89	MP2C	Z	-3.592	1
90	MP2C	Mx	.001	1
91	MP3A	X	2.002	1
92	MP3A	Z	-3.467	1
93	MP3A	Mx	.001	1
94	MP3B	X	1.483	1
95	MP3B	Z	-2.569	1
96	MP3B	Mx	-.002	1
97	MP3C	X	2.002	1
98	MP3C	Z	-3.467	1
99	MP3C	Mx	.001	1
100	M100	X	3.421	.25
101	M100	Z	-5.925	.25
102	M100	Mx	0	.25

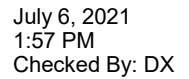
Member Point Loads (BLC 29 : Antenna Wm (60 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.239	.17
2	MP4A	Z	-4.179	.17
3	MP4A	Mx	-.005	.17
4	MP4A	X	7.239	5.17
5	MP4A	Z	-4.179	5.17
6	MP4A	Mx	-.005	5.17
7	MP4B	X	8.856	.17
8	MP4B	Z	-5.113	.17
9	MP4B	Mx	.003	.17
10	MP4B	X	8.856	5.17
11	MP4B	Z	-5.113	5.17
12	MP4B	Mx	.003	5.17
13	MP4C	X	9.665	.17
14	MP4C	Z	-5.58	.17
15	MP4C	Mx	0	.17
16	MP4C	X	9.665	5.17

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
17	MP4C	Z	-5.58	5.17
18	MP4C	Mx	0	5.17
19	MP3A	X	6.374	.17
20	MP3A	Z	-3.68	.17
21	MP3A	Mx	-.007	.17
22	MP3A	X	6.374	5.17
23	MP3A	Z	-3.68	5.17
24	MP3A	Mx	-.007	5.17
25	MP3B	X	7.821	.17
26	MP3B	Z	-4.516	.17
27	MP3B	Mx	-.002	.17
28	MP3B	X	7.821	5.17
29	MP3B	Z	-4.516	5.17
30	MP3B	Mx	-.002	5.17
31	MP3C	X	8.545	.17
32	MP3C	Z	-4.933	.17
33	MP3C	Mx	.007	.17
34	MP3C	X	8.545	5.17
35	MP3C	Z	-4.933	5.17
36	MP3C	Mx	.007	5.17
37	MP3A	X	6.374	.17
38	MP3A	Z	-3.68	.17
39	MP3A	Mx	-.002	.17
40	MP3A	X	6.374	5.17
41	MP3A	Z	-3.68	5.17
42	MP3A	Mx	-.002	5.17
43	MP3B	X	7.821	.17
44	MP3B	Z	-4.516	.17
45	MP3B	Mx	.008	.17
46	MP3B	X	7.821	5.17
47	MP3B	Z	-4.516	5.17
48	MP3B	Mx	.008	5.17
49	MP3C	X	8.545	.17
50	MP3C	Z	-4.933	.17
51	MP3C	Mx	-.007	.17
52	MP3C	X	8.545	5.17
53	MP3C	Z	-4.933	5.17
54	MP3C	Mx	-.007	5.17
55	MP1A	X	.74	4.67
56	MP1A	Z	-.427	4.67
57	MP1A	Mx	-.000247	4.67
58	MP1B	X	1.489	4.67
59	MP1B	Z	-.86	4.67
60	MP1B	Mx	.000287	4.67
61	MP1C	X	1.864	4.67
62	MP1C	Z	-1.076	4.67
63	MP1C	Mx	0	4.67
64	MP1A	X	2.676	.17
65	MP1A	Z	-1.545	.17
66	MP1A	Mx	-.001	.17
67	MP1A	X	2.676	2.17
68	MP1A	Z	-1.545	2.17
69	MP1A	Mx	-.001	2.17
70	MP1B	X	4.173	.17
71	MP1B	Z	-2.409	.17
72	MP1B	Mx	.001	.17
73	MP1B	X	4.173	2.17

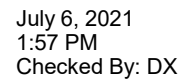




	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP4A	X	7.239	.17
2	MP4A	Z	4.179	.17
3	MP4A	Mx	-.005	.17
4	MP4A	X	7.239	5.17
5	MP4A	Z	4.179	5.17
6	MP4A	Mx	-.005	5.17
7	MP4B	X	8.856	.17
8	MP4B	Z	5.113	.17
9	MP4B	Mx	-.003	.17
10	MP4B	X	8.856	5.17
11	MP4B	Z	5.113	5.17
12	MP4B	Mx	-.003	5.17
13	MP4C	X	7.239	.17
14	MP4C	Z	4.179	.17
15	MP4C	Mx	.005	.17
16	MP4C	X	7.239	5.17
17	MP4C	Z	4.179	5.17
18	MP4C	Mx	.005	5.17
19	MP3A	X	6.374	.17
20	MP3A	Z	3.68	.17
21	MP3A	Mx	-.002	.17
22	MP3A	X	6.374	5.17
23	MP3A	Z	3.68	5.17
24	MP3A	Mx	-.002	5.17
25	MP3B	X	7.821	.17
26	MP3B	Z	4.516	.17
27	MP3B	Mx	-.008	.17
28	MP3B	X	7.821	5.17
29	MP3B	Z	4.516	5.17
30	MP3B	Mx	-.008	5.17
31	MP3C	X	6.374	.17
32	MP3C	Z	3.68	.17

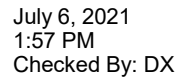
Member Point Loads (BLC 31 : Antenna Wm (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
33	MP3C	Mx	.007	.17
34	MP3C	X	6.374	5.17
35	MP3C	Z	3.68	5.17
36	MP3C	Mx	.007	5.17
37	MP3A	X	6.374	.17
38	MP3A	Z	3.68	.17
39	MP3A	Mx	-.007	.17
40	MP3A	X	6.374	5.17
41	MP3A	Z	3.68	5.17
42	MP3A	Mx	-.007	5.17
43	MP3B	X	7.821	.17
44	MP3B	Z	4.516	.17
45	MP3B	Mx	.002	.17
46	MP3B	X	7.821	5.17
47	MP3B	Z	4.516	5.17
48	MP3B	Mx	.002	5.17
49	MP3C	X	6.374	.17
50	MP3C	Z	3.68	.17
51	MP3C	Mx	.002	.17
52	MP3C	X	6.374	5.17
53	MP3C	Z	3.68	5.17
54	MP3C	Mx	.002	5.17
55	MP1A	X	.74	4.67
56	MP1A	Z	.427	4.67
57	MP1A	Mx	-.000247	4.67
58	MP1B	X	1.489	4.67
59	MP1B	Z	.86	4.67
60	MP1B	Mx	-.000287	4.67
61	MP1C	X	.74	4.67
62	MP1C	Z	.427	4.67
63	MP1C	Mx	.000247	4.67
64	MP1A	X	2.676	.17
65	MP1A	Z	1.545	.17
66	MP1A	Mx	-.001	.17
67	MP1A	X	2.676	2.17
68	MP1A	Z	1.545	2.17
69	MP1A	Mx	-.001	2.17
70	MP1B	X	4.173	.17
71	MP1B	Z	2.409	.17
72	MP1B	Mx	-.001	.17
73	MP1B	X	4.173	2.17
74	MP1B	Z	2.409	2.17
75	MP1B	Mx	-.001	2.17
76	MP1C	X	2.676	.17
77	MP1C	Z	1.545	.17
78	MP1C	Mx	.001	.17
79	MP1C	X	2.676	2.17
80	MP1C	Z	1.545	2.17
81	MP1C	Mx	.001	2.17
82	MP2A	X	2.943	1
83	MP2A	Z	1.699	1
84	MP2A	Mx	.002	1
85	MP2B	X	3.592	1
86	MP2B	Z	2.074	1
87	MP2B	Mx	.001	1
88	MP2C	X	2.943	1
89	MP2C	Z	1.699	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
41	MP3A	Z	7.821	5.17
42	MP3A	Mx	-.008	5.17
43	MP3B	X	3.68	.17
44	MP3B	Z	6.374	.17
45	MP3B	Mx	-.002	.17
46	MP3B	X	3.68	5.17
47	MP3B	Z	6.374	5.17
48	MP3B	Mx	-.002	5.17
49	MP3C	X	3.262	.17
50	MP3C	Z	5.651	.17
51	MP3C	Mx	.004	.17
52	MP3C	X	3.262	5.17
53	MP3C	Z	5.651	5.17
54	MP3C	Mx	.004	5.17
55	MP1A	X	.86	4.67
56	MP1A	Z	1.489	4.67
57	MP1A	Mx	-.000287	4.67
58	MP1B	X	.427	4.67
59	MP1B	Z	.74	4.67
60	MP1B	Mx	-.000247	4.67
61	MP1C	X	.211	4.67
62	MP1C	Z	.366	4.67
63	MP1C	Mx	.000141	4.67
64	MP1A	X	2.409	.17
65	MP1A	Z	4.173	.17
66	MP1A	Mx	-.001	.17
67	MP1A	X	2.409	2.17
68	MP1A	Z	4.173	2.17
69	MP1A	Mx	-.001	2.17
70	MP1B	X	1.545	.17
71	MP1B	Z	2.676	.17
72	MP1B	Mx	-.001	.17
73	MP1B	X	1.545	2.17
74	MP1B	Z	2.676	2.17
75	MP1B	Mx	-.001	2.17
76	MP1C	X	1.112	.17
77	MP1C	Z	1.927	.17
78	MP1C	Mx	.000927	.17
79	MP1C	X	1.112	2.17
80	MP1C	Z	1.927	2.17
81	MP1C	Mx	.000927	2.17
82	MP2A	X	2.074	1
83	MP2A	Z	3.592	1
84	MP2A	Mx	.001	1
85	MP2B	X	1.699	1
86	MP2B	Z	2.943	1
87	MP2B	Mx	.002	1
88	MP2C	X	1.511	1
89	MP2C	Z	2.618	1
90	MP2C	Mx	-.002	1
91	MP3A	X	2.002	1
92	MP3A	Z	3.467	1
93	MP3A	Mx	.001	1
94	MP3B	X	1.483	1
95	MP3B	Z	2.569	1
96	MP3B	Mx	.002	1
97	MP3C	X	1.224	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
49	MP3C	X	0	.17
50	MP3C	Z	7.36	.17
51	MP3C	Mx	.007	.17
52	MP3C	X	0	5.17
53	MP3C	Z	7.36	5.17
54	MP3C	Mx	.007	5.17
55	MP1A	X	0	4.67
56	MP1A	Z	2.152	4.67
57	MP1A	Mx	0	4.67
58	MP1B	X	0	4.67
59	MP1B	Z	.422	4.67
60	MP1B	Mx	-.000141	4.67
61	MP1C	X	0	4.67
62	MP1C	Z	.855	4.67
63	MP1C	Mx	.000247	4.67
64	MP1A	X	0	.17
65	MP1A	Z	5.683	.17
66	MP1A	Mx	0	.17
67	MP1A	X	0	2.17
68	MP1A	Z	5.683	2.17
69	MP1A	Mx	0	2.17
70	MP1B	X	0	.17
71	MP1B	Z	2.225	.17
72	MP1B	Mx	-.000927	.17
73	MP1B	X	0	2.17
74	MP1B	Z	2.225	2.17
75	MP1B	Mx	-.000927	2.17
76	MP1C	X	0	.17
77	MP1C	Z	3.089	.17
78	MP1C	Mx	.001	.17
79	MP1C	X	0	2.17
80	MP1C	Z	3.089	2.17
81	MP1C	Mx	.001	2.17
82	MP2A	X	0	1
83	MP2A	Z	4.522	1
84	MP2A	Mx	0	1
85	MP2B	X	0	1
86	MP2B	Z	3.023	1
87	MP2B	Mx	.002	1
88	MP2C	X	0	1
89	MP2C	Z	3.398	1
90	MP2C	Mx	-.002	1
91	MP3A	X	0	1
92	MP3A	Z	4.522	1
93	MP3A	Mx	0	1
94	MP3B	X	0	1
95	MP3B	Z	2.449	1
96	MP3B	Mx	.002	1
97	MP3C	X	0	1
98	MP3C	Z	2.967	1
99	MP3C	Mx	-.002	1
100	M100	X	0	.25
101	M100	Z	8.391	.25
102	M100	Mx	0	.25

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

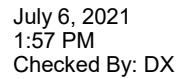
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
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Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)

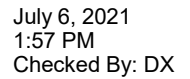
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	-.427	4.67
59	MP1B	Z	.74	4.67
60	MP1B	Mx	-.000247	4.67
61	MP1C	X	-.86	4.67
62	MP1C	Z	1.489	4.67
63	MP1C	Mx	.000287	4.67
64	MP1A	X	-2.409	.17
65	MP1A	Z	4.173	.17
66	MP1A	Mx	.001	.17
67	MP1A	X	-2.409	2.17
68	MP1A	Z	4.173	2.17
69	MP1A	Mx	.001	2.17
70	MP1B	X	-1.545	.17
71	MP1B	Z	2.676	.17
72	MP1B	Mx	-.001	.17
73	MP1B	X	-1.545	2.17
74	MP1B	Z	2.676	2.17
75	MP1B	Mx	-.001	2.17
76	MP1C	X	-2.409	.17
77	MP1C	Z	4.173	.17
78	MP1C	Mx	.001	.17
79	MP1C	X	-2.409	2.17
80	MP1C	Z	4.173	2.17
81	MP1C	Mx	.001	2.17
82	MP2A	X	-2.074	1
83	MP2A	Z	3.592	1
84	MP2A	Mx	-.001	1
85	MP2B	X	-1.699	1
86	MP2B	Z	2.943	1
87	MP2B	Mx	.002	1
88	MP2C	X	-2.074	1
89	MP2C	Z	3.592	1
90	MP2C	Mx	-.001	1
91	MP3A	X	-2.002	1
92	MP3A	Z	3.467	1
93	MP3A	Mx	-.001	1
94	MP3B	X	-1.483	1
95	MP3B	Z	2.569	1
96	MP3B	Mx	.002	1
97	MP3C	X	-2.002	1
98	MP3C	Z	3.467	1
99	MP3C	Mx	-.001	1
100	M100	X	-3.421	.25
101	M100	Z	5.925	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.239	.17
2	MP4A	Z	4.179	.17
3	MP4A	Mx	.005	.17
4	MP4A	X	-7.239	5.17
5	MP4A	Z	4.179	5.17
6	MP4A	Mx	.005	5.17
7	MP4B	X	-8.856	.17
8	MP4B	Z	5.113	.17

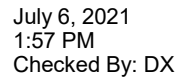


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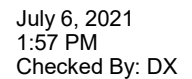


Member Point Loads (BLC 38 : Antenna Wm (330 Deg)) (Continued)

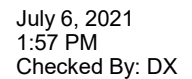
	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
33	MP3C	Mx	-.004	.17
34	MP3C	X	-3.262	5.17
35	MP3C	Z	-5.651	5.17
36	MP3C	Mx	-.004	5.17
37	MP3A	X	-4.516	.17
38	MP3A	Z	-7.821	.17
39	MP3A	Mx	.008	.17
40	MP3A	X	-4.516	5.17
41	MP3A	Z	-7.821	5.17
42	MP3A	Mx	.008	5.17
43	MP3B	X	-3.68	.17
44	MP3B	Z	-6.374	.17
45	MP3B	Mx	.002	.17
46	MP3B	X	-3.68	5.17
47	MP3B	Z	-6.374	5.17
48	MP3B	Mx	.002	5.17
49	MP3C	X	-3.262	.17
50	MP3C	Z	-5.651	.17
51	MP3C	Mx	-.004	.17
52	MP3C	X	-3.262	5.17
53	MP3C	Z	-5.651	5.17
54	MP3C	Mx	-.004	5.17
55	MP1A	X	-.86	4.67
56	MP1A	Z	-1.489	4.67
57	MP1A	Mx	.000287	4.67
58	MP1B	X	-.427	4.67
59	MP1B	Z	-.74	4.67
60	MP1B	Mx	.000247	4.67
61	MP1C	X	-.211	4.67
62	MP1C	Z	-.366	4.67
63	MP1C	Mx	-.000141	4.67
64	MP1A	X	-2.409	.17
65	MP1A	Z	-4.173	.17
66	MP1A	Mx	.001	.17
67	MP1A	X	-2.409	2.17
68	MP1A	Z	-4.173	2.17
69	MP1A	Mx	.001	2.17
70	MP1B	X	-1.545	.17
71	MP1B	Z	-2.676	.17
72	MP1B	Mx	.001	.17
73	MP1B	X	-1.545	2.17
74	MP1B	Z	-2.676	2.17
75	MP1B	Mx	.001	2.17
76	MP1C	X	-1.112	.17
77	MP1C	Z	-1.927	.17
78	MP1C	Mx	-.000927	.17
79	MP1C	X	-1.112	2.17
80	MP1C	Z	-1.927	2.17
81	MP1C	Mx	-.000927	2.17
82	MP2A	X	-2.074	1
83	MP2A	Z	-3.592	1
84	MP2A	Mx	-.001	1
85	MP2B	X	-1.699	1
86	MP2B	Z	-2.943	1
87	MP2B	Mx	-.002	1
88	MP2C	X	-1.511	1
89	MP2C	Z	-2.618	1

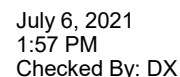


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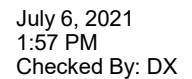


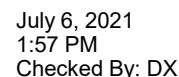
RISA-3D Version 17.0.4 [\\...\\...\\...\\Rev 0\\Risa\\535833-VZW MT LO H MOD.r3d] Page 88

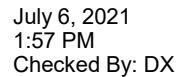


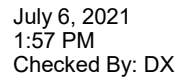


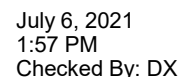
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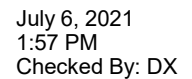










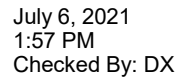


Member Distributed Loads (BLC 46 : Structure Wo (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
68	M51C	Z	14.851	14.851	0	%100
69	M78	X	2.806	2.806	0	%100
70	M78	Z	4.86	4.86	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	2.806	2.806	0	%100
74	M83A	Z	4.86	4.86	0	%100
75	M84A	X	8.574	8.574	0	%100
76	M84A	Z	14.851	14.851	0	%100
77	M46	X	8.418	8.418	0	%100
78	M46	Z	14.581	14.581	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	9.031	9.031	0	%100
82	M91	Z	15.642	15.642	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	9.031	9.031	0	%100
86	M48	Z	15.642	15.642	0	%100
87	M53	X	9.031	9.031	0	%100
88	M53	Z	15.642	15.642	0	%100
89	M70	X	8.418	8.418	0	%100
90	M70	Z	14.581	14.581	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	9.031	9.031	0	%100
94	M86	Z	15.642	15.642	0	%100
95	M91B	X	4.677	4.677	0	%100
96	M91B	Z	8.1	8.1	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	4.677	4.677	0	%100
102	M96	Z	8.1	8.1	0	%100
103	M97	X	4.677	4.677	0	%100
104	M97	Z	8.1	8.1	0	%100
105	M101	X	7.51	7.51	0	%100
106	M101	Z	13.007	13.007	0	%100
107	M102	X	9.153	9.153	0	%100
108	M102	Z	15.853	15.853	0	%100
109	M103A	X	7.51	7.51	0	%100
110	M103A	Z	13.007	13.007	0	%100
111	M108	X	4.034	4.034	0	%100
112	M108	Z	6.987	6.987	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	4.034	4.034	0	%100
116	M118	Z	6.987	6.987	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	4.738	4.738	0	%100
120	M126	Z	8.207	8.207	0	%100
121	M127	X	4.738	4.738	0	%100
122	M127	Z	8.207	8.207	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
58	M84	Z	0	0	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	5.716	5.716	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	16.836	16.836	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	5.716	5.716	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	16.836	16.836	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	22.864	22.864	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	16.836	16.836	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	5.716	5.716	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	16.836	16.836	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	22.864	22.864	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	22.448	22.448	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	6.021	6.021	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	6.021	6.021	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	5.612	5.612	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	6.021	6.021	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	24.082	24.082	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	5.612	5.612	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	6.021	6.021	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	24.082	24.082	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	12.471	12.471	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	3.118	3.118	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	3.118	3.118	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	3.118	3.118	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	3.118	3.118	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	13.924	13.924	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	17.21	17.21	0	%100
109	M103A	X	0	0	0	%100
110	M103A	Z	17.21	17.21	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	10.756	10.756	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	2.689	2.689	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
46	M41	Z	8.1	8.1	0	%100
47	M1	X	-4.911	-4.911	0	%100
48	M1	Z	8.505	8.505	0	%100
49	M58A	X	-4.911	-4.911	0	%100
50	M58A	Z	8.505	8.505	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	-2.806	-2.806	0	%100
54	M76	Z	4.86	4.86	0	%100
55	M77	X	-8.574	-8.574	0	%100
56	M77	Z	14.851	14.851	0	%100
57	M84	X	-2.806	-2.806	0	%100
58	M84	Z	4.86	4.86	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	-2.806	-2.806	0	%100
62	M45	Z	4.86	4.86	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	-2.806	-2.806	0	%100
66	M50A	Z	4.86	4.86	0	%100
67	M51C	X	-8.574	-8.574	0	%100
68	M51C	Z	14.851	14.851	0	%100
69	M78	X	-11.224	-11.224	0	%100
70	M78	Z	19.441	19.441	0	%100
71	M79A	X	-8.574	-8.574	0	%100
72	M79A	Z	14.851	14.851	0	%100
73	M83A	X	-11.224	-11.224	0	%100
74	M83A	Z	19.441	19.441	0	%100
75	M84A	X	-8.574	-8.574	0	%100
76	M84A	Z	14.851	14.851	0	%100
77	M46	X	-8.418	-8.418	0	%100
78	M46	Z	14.581	14.581	0	%100
79	M80	X	-9.031	-9.031	0	%100
80	M80	Z	15.642	15.642	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	-8.418	-8.418	0	%100
84	M37	Z	14.581	14.581	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	-9.031	-9.031	0	%100
88	M53	Z	15.642	15.642	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	-9.031	-9.031	0	%100
92	M81	Z	15.642	15.642	0	%100
93	M86	X	-9.031	-9.031	0	%100
94	M86	Z	15.642	15.642	0	%100
95	M91B	X	-4.677	-4.677	0	%100
96	M91B	Z	8.1	8.1	0	%100
97	M92B	X	-4.677	-4.677	0	%100
98	M92B	Z	8.1	8.1	0	%100
99	M93A	X	-4.677	-4.677	0	%100
100	M93A	Z	8.1	8.1	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
103	M97	X	0	0	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	-7.51	-7.51	0	%100
106	M101	Z	13.007	13.007	0	%100
107	M102	X	-7.51	-7.51	0	%100
108	M102	Z	13.007	13.007	0	%100
109	M103A	X	-9.153	-9.153	0	%100
110	M103A	Z	15.853	15.853	0	%100
111	M108	X	-4.034	-4.034	0	%100
112	M108	Z	6.987	6.987	0	%100
113	M113	X	-4.034	-4.034	0	%100
114	M113	Z	6.987	6.987	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	-4.738	-4.738	0	%100
118	M125	Z	8.207	8.207	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	-4.738	-4.738	0	%100
122	M127	Z	8.207	8.207	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-9.521	-9.521	0	%100
2	M4	Z	5.497	5.497	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	-9.521	-9.521	0	%100
6	M67	Z	5.497	5.497	0	%100
7	M10	X	-3.004	-3.004	0	%100
8	M10	Z	1.734	1.734	0	%100
9	M43	X	-3.004	-3.004	0	%100
10	M43	Z	1.734	1.734	0	%100
11	M35	X	-12.015	-12.015	0	%100
12	M35	Z	6.937	6.937	0	%100
13	M36	X	-12.015	-12.015	0	%100
14	M36	Z	6.937	6.937	0	%100
15	M68	X	-3.004	-3.004	0	%100
16	M68	Z	1.734	1.734	0	%100
17	M69	X	-3.004	-3.004	0	%100
18	M69	Z	1.734	1.734	0	%100
19	MP3A	X	-9.315	-9.315	0	%100
20	MP3A	Z	5.378	5.378	0	%100
21	MP4A	X	-7.695	-7.695	0	%100
22	MP4A	Z	4.443	4.443	0	%100
23	MP2A	X	-7.695	-7.695	0	%100
24	MP2A	Z	4.443	4.443	0	%100
25	MP1A	X	-7.695	-7.695	0	%100
26	MP1A	Z	4.443	4.443	0	%100
27	MP3C	X	-9.315	-9.315	0	%100
28	MP3C	Z	5.378	5.378	0	%100
29	MP4C	X	-7.695	-7.695	0	%100
30	MP4C	Z	4.443	4.443	0	%100
31	MP2C	X	-7.695	-7.695	0	%100
32	MP2C	Z	4.443	4.443	0	%100
33	MP1C	X	-7.695	-7.695	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,%]
34	MP1C	Z	4.443	4.443	0	%100
35	MP3B	X	-9.315	-9.315	0	%100
36	MP3B	Z	5.378	5.378	0	%100
37	MP4B	X	-7.695	-7.695	0	%100
38	MP4B	Z	4.443	4.443	0	%100
39	MP2B	X	-7.695	-7.695	0	%100
40	MP2B	Z	4.443	4.443	0	%100
41	MP1B	X	-7.695	-7.695	0	%100
42	MP1B	Z	4.443	4.443	0	%100
43	M100	X	-5.573	-5.573	0	%100
44	M100	Z	3.217	3.217	0	%100
45	M41	X	-2.7	-2.7	0	%100
46	M41	Z	1.559	1.559	0	%100
47	M1	X	-2.835	-2.835	0	%100
48	M1	Z	1.637	1.637	0	%100
49	M58A	X	-11.34	-11.34	0	%100
50	M58A	Z	6.547	6.547	0	%100
51	M91A	X	-2.835	-2.835	0	%100
52	M91A	Z	1.637	1.637	0	%100
53	M76	X	-14.581	-14.581	0	%100
54	M76	Z	8.418	8.418	0	%100
55	M77	X	-19.801	-19.801	0	%100
56	M77	Z	11.432	11.432	0	%100
57	M84	X	-14.581	-14.581	0	%100
58	M84	Z	8.418	8.418	0	%100
59	M85	X	-4.95	-4.95	0	%100
60	M85	Z	2.858	2.858	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	-4.95	-4.95	0	%100
64	M46A	Z	2.858	2.858	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	-4.95	-4.95	0	%100
68	M51C	Z	2.858	2.858	0	%100
69	M78	X	-14.581	-14.581	0	%100
70	M78	Z	8.418	8.418	0	%100
71	M79A	X	-19.801	-19.801	0	%100
72	M79A	Z	11.432	11.432	0	%100
73	M83A	X	-14.581	-14.581	0	%100
74	M83A	Z	8.418	8.418	0	%100
75	M84A	X	-4.95	-4.95	0	%100
76	M84A	Z	2.858	2.858	0	%100
77	M46	X	-4.86	-4.86	0	%100
78	M46	Z	2.806	2.806	0	%100
79	M80	X	-20.856	-20.856	0	%100
80	M80	Z	12.041	12.041	0	%100
81	M91	X	-5.214	-5.214	0	%100
82	M91	Z	3.01	3.01	0	%100
83	M37	X	-19.441	-19.441	0	%100
84	M37	Z	11.224	11.224	0	%100
85	M48	X	-5.214	-5.214	0	%100
86	M48	Z	3.01	3.01	0	%100
87	M53	X	-5.214	-5.214	0	%100
88	M53	Z	3.01	3.01	0	%100
89	M70	X	-4.86	-4.86	0	%100
90	M70	Z	2.806	2.806	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, %]
91	M81	X	-20.856	-20.856	0	%100
92	M81	Z	12.041	12.041	0	%100
93	M86	X	-5.214	-5.214	0	%100
94	M86	Z	3.01	3.01	0	%100
95	M91B	X	-2.7	-2.7	0	%100
96	M91B	Z	1.559	1.559	0	%100
97	M92B	X	-10.8	-10.8	0	%100
98	M92B	Z	6.236	6.236	0	%100
99	M93A	X	-10.8	-10.8	0	%100
100	M93A	Z	6.236	6.236	0	%100
101	M96	X	-2.7	-2.7	0	%100
102	M96	Z	1.559	1.559	0	%100
103	M97	X	-2.7	-2.7	0	%100
104	M97	Z	1.559	1.559	0	%100
105	M101	X	-14.904	-14.904	0	%100
106	M101	Z	8.605	8.605	0	%100
107	M102	X	-12.059	-12.059	0	%100
108	M102	Z	6.962	6.962	0	%100
109	M103A	X	-14.904	-14.904	0	%100
110	M103A	Z	8.605	8.605	0	%100
111	M108	X	-2.329	-2.329	0	%100
112	M108	Z	1.345	1.345	0	%100
113	M113	X	-9.315	-9.315	0	%100
114	M113	Z	5.378	5.378	0	%100
115	M118	X	-2.329	-2.329	0	%100
116	M118	Z	1.345	1.345	0	%100
117	M125	X	-10.943	-10.943	0	%100
118	M125	Z	6.318	6.318	0	%100
119	M126	X	-2.736	-2.736	0	%100
120	M126	Z	1.579	1.579	0	%100
121	M127	X	-2.736	-2.736	0	%100
122	M127	Z	1.579	1.579	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-14.658	-14.658	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	-3.665	-3.665	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	-3.665	-3.665	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M35	X	-10.406	-10.406	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	-10.406	-10.406	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	-10.406	-10.406	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	-10.406	-10.406	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	-10.756	-10.756	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	-8.886	-8.886	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,%]
22	MP4A	Z	0	0	0	%100
23	MP2A	X	-8.886	-8.886	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	-8.886	-8.886	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	-10.756	-10.756	0	%100
28	MP3C	Z	0	0	0	%100
29	MP4C	X	-8.886	-8.886	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	-8.886	-8.886	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-8.886	-8.886	0	%100
34	MP1C	Z	0	0	0	%100
35	MP3B	X	-10.756	-10.756	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	-8.886	-8.886	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	-8.886	-8.886	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	-8.886	-8.886	0	%100
42	MP1B	Z	0	0	0	%100
43	M100	X	-6.435	-6.435	0	%100
44	M100	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	0	0	0	%100
49	M58A	X	-9.821	-9.821	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	-9.821	-9.821	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	-22.448	-22.448	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	-17.148	-17.148	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	-22.448	-22.448	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	-17.148	-17.148	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	-5.612	-5.612	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	-17.148	-17.148	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	-5.612	-5.612	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	0	0	0	%100
69	M78	X	-5.612	-5.612	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	-17.148	-17.148	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	-5.612	-5.612	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	0	0	0	%100
77	M46	X	0	0	0	%100
78	M46	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, %]
79	M80	X	-18.062	-18.062	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	-18.062	-18.062	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	-16.836	-16.836	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	-18.062	-18.062	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	0	0	0	%100
89	M70	X	-16.836	-16.836	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	-18.062	-18.062	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	0	0	0	%100
97	M92B	X	-9.353	-9.353	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	-9.353	-9.353	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	-9.353	-9.353	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	-9.353	-9.353	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	-18.305	-18.305	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	-15.019	-15.019	0	%100
108	M102	Z	0	0	0	%100
109	M103A	X	-15.019	-15.019	0	%100
110	M103A	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M113	X	-8.067	-8.067	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	-8.067	-8.067	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	-9.477	-9.477	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	-9.477	-9.477	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	0	0	0	%100
122	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-9.521	-9.521	0	%100
2	M4	Z	-5.497	-5.497	0	%100
3	M34	X	-9.521	-9.521	0	%100
4	M34	Z	-5.497	-5.497	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	-3.004	-3.004	0	%100
8	M10	Z	-1.734	-1.734	0	%100
9	M43	X	-3.004	-3.004	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	M43	Z	-1.734	-1.734	0	%100
11	M35	X	-3.004	-3.004	0	%100
12	M35	Z	-1.734	-1.734	0	%100
13	M36	X	-3.004	-3.004	0	%100
14	M36	Z	-1.734	-1.734	0	%100
15	M68	X	-12.015	-12.015	0	%100
16	M68	Z	-6.937	-6.937	0	%100
17	M69	X	-12.015	-12.015	0	%100
18	M69	Z	-6.937	-6.937	0	%100
19	MP3A	X	-9.315	-9.315	0	%100
20	MP3A	Z	-5.378	-5.378	0	%100
21	MP4A	X	-7.695	-7.695	0	%100
22	MP4A	Z	-4.443	-4.443	0	%100
23	MP2A	X	-7.695	-7.695	0	%100
24	MP2A	Z	-4.443	-4.443	0	%100
25	MP1A	X	-7.695	-7.695	0	%100
26	MP1A	Z	-4.443	-4.443	0	%100
27	MP3C	X	-9.315	-9.315	0	%100
28	MP3C	Z	-5.378	-5.378	0	%100
29	MP4C	X	-7.695	-7.695	0	%100
30	MP4C	Z	-4.443	-4.443	0	%100
31	MP2C	X	-7.695	-7.695	0	%100
32	MP2C	Z	-4.443	-4.443	0	%100
33	MP1C	X	-7.695	-7.695	0	%100
34	MP1C	Z	-4.443	-4.443	0	%100
35	MP3B	X	-9.315	-9.315	0	%100
36	MP3B	Z	-5.378	-5.378	0	%100
37	MP4B	X	-7.695	-7.695	0	%100
38	MP4B	Z	-4.443	-4.443	0	%100
39	MP2B	X	-7.695	-7.695	0	%100
40	MP2B	Z	-4.443	-4.443	0	%100
41	MP1B	X	-7.695	-7.695	0	%100
42	MP1B	Z	-4.443	-4.443	0	%100
43	M100	X	-5.573	-5.573	0	%100
44	M100	Z	-3.217	-3.217	0	%100
45	M41	X	-2.7	-2.7	0	%100
46	M41	Z	-1.559	-1.559	0	%100
47	M1	X	-2.835	-2.835	0	%100
48	M1	Z	-1.637	-1.637	0	%100
49	M58A	X	-2.835	-2.835	0	%100
50	M58A	Z	-1.637	-1.637	0	%100
51	M91A	X	-11.34	-11.34	0	%100
52	M91A	Z	-6.547	-6.547	0	%100
53	M76	X	-14.581	-14.581	0	%100
54	M76	Z	-8.418	-8.418	0	%100
55	M77	X	-4.95	-4.95	0	%100
56	M77	Z	-2.858	-2.858	0	%100
57	M84	X	-14.581	-14.581	0	%100
58	M84	Z	-8.418	-8.418	0	%100
59	M85	X	-19.801	-19.801	0	%100
60	M85	Z	-11.432	-11.432	0	%100
61	M45	X	-14.581	-14.581	0	%100
62	M45	Z	-8.418	-8.418	0	%100
63	M46A	X	-19.801	-19.801	0	%100
64	M46A	Z	-11.432	-11.432	0	%100
65	M50A	X	-14.581	-14.581	0	%100
66	M50A	Z	-8.418	-8.418	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
67	M51C	X	-4.95	-4.95	0	%100
68	M51C	Z	-2.858	-2.858	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	-4.95	-4.95	0	%100
72	M79A	Z	-2.858	-2.858	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	-4.95	-4.95	0	%100
76	M84A	Z	-2.858	-2.858	0	%100
77	M46	X	-4.86	-4.86	0	%100
78	M46	Z	-2.806	-2.806	0	%100
79	M80	X	-5.214	-5.214	0	%100
80	M80	Z	-3.01	-3.01	0	%100
81	M91	X	-20.856	-20.856	0	%100
82	M91	Z	-12.041	-12.041	0	%100
83	M37	X	-4.86	-4.86	0	%100
84	M37	Z	-2.806	-2.806	0	%100
85	M48	X	-20.856	-20.856	0	%100
86	M48	Z	-12.041	-12.041	0	%100
87	M53	X	-5.214	-5.214	0	%100
88	M53	Z	-3.01	-3.01	0	%100
89	M70	X	-19.441	-19.441	0	%100
90	M70	Z	-11.224	-11.224	0	%100
91	M81	X	-5.214	-5.214	0	%100
92	M81	Z	-3.01	-3.01	0	%100
93	M86	X	-5.214	-5.214	0	%100
94	M86	Z	-3.01	-3.01	0	%100
95	M91B	X	-2.7	-2.7	0	%100
96	M91B	Z	-1.559	-1.559	0	%100
97	M92B	X	-2.7	-2.7	0	%100
98	M92B	Z	-1.559	-1.559	0	%100
99	M93A	X	-2.7	-2.7	0	%100
100	M93A	Z	-1.559	-1.559	0	%100
101	M96	X	-10.8	-10.8	0	%100
102	M96	Z	-6.236	-6.236	0	%100
103	M97	X	-10.8	-10.8	0	%100
104	M97	Z	-6.236	-6.236	0	%100
105	M101	X	-14.904	-14.904	0	%100
106	M101	Z	-8.605	-8.605	0	%100
107	M102	X	-14.904	-14.904	0	%100
108	M102	Z	-8.605	-8.605	0	%100
109	M103A	X	-12.059	-12.059	0	%100
110	M103A	Z	-6.962	-6.962	0	%100
111	M108	X	-2.329	-2.329	0	%100
112	M108	Z	-1.345	-1.345	0	%100
113	M113	X	-2.329	-2.329	0	%100
114	M113	Z	-1.345	-1.345	0	%100
115	M118	X	-9.315	-9.315	0	%100
116	M118	Z	-5.378	-5.378	0	%100
117	M125	X	-2.736	-2.736	0	%100
118	M125	Z	-1.579	-1.579	0	%100
119	M126	X	-10.943	-10.943	0	%100
120	M126	Z	-6.318	-6.318	0	%100
121	M127	X	-2.736	-2.736	0	%100
122	M127	Z	-1.579	-1.579	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-1.832	-1.832	0	%100
2	M4	Z	-3.174	-3.174	0	%100
3	M34	X	-7.329	-7.329	0	%100
4	M34	Z	-12.694	-12.694	0	%100
5	M67	X	-1.832	-1.832	0	%100
6	M67	Z	-3.174	-3.174	0	%100
7	M10	X	-5.203	-5.203	0	%100
8	M10	Z	-9.012	-9.012	0	%100
9	M43	X	-5.203	-5.203	0	%100
10	M43	Z	-9.012	-9.012	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	-5.203	-5.203	0	%100
16	M68	Z	-9.012	-9.012	0	%100
17	M69	X	-5.203	-5.203	0	%100
18	M69	Z	-9.012	-9.012	0	%100
19	MP3A	X	-5.378	-5.378	0	%100
20	MP3A	Z	-9.315	-9.315	0	%100
21	MP4A	X	-4.443	-4.443	0	%100
22	MP4A	Z	-7.695	-7.695	0	%100
23	MP2A	X	-4.443	-4.443	0	%100
24	MP2A	Z	-7.695	-7.695	0	%100
25	MP1A	X	-4.443	-4.443	0	%100
26	MP1A	Z	-7.695	-7.695	0	%100
27	MP3C	X	-5.378	-5.378	0	%100
28	MP3C	Z	-9.315	-9.315	0	%100
29	MP4C	X	-4.443	-4.443	0	%100
30	MP4C	Z	-7.695	-7.695	0	%100
31	MP2C	X	-4.443	-4.443	0	%100
32	MP2C	Z	-7.695	-7.695	0	%100
33	MP1C	X	-4.443	-4.443	0	%100
34	MP1C	Z	-7.695	-7.695	0	%100
35	MP3B	X	-5.378	-5.378	0	%100
36	MP3B	Z	-9.315	-9.315	0	%100
37	MP4B	X	-4.443	-4.443	0	%100
38	MP4B	Z	-7.695	-7.695	0	%100
39	MP2B	X	-4.443	-4.443	0	%100
40	MP2B	Z	-7.695	-7.695	0	%100
41	MP1B	X	-4.443	-4.443	0	%100
42	MP1B	Z	-7.695	-7.695	0	%100
43	M100	X	-3.217	-3.217	0	%100
44	M100	Z	-5.573	-5.573	0	%100
45	M41	X	-4.677	-4.677	0	%100
46	M41	Z	-8.1	-8.1	0	%100
47	M1	X	-4.911	-4.911	0	%100
48	M1	Z	-8.505	-8.505	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	-4.911	-4.911	0	%100
52	M91A	Z	-8.505	-8.505	0	%100
53	M76	X	-2.806	-2.806	0	%100
54	M76	Z	-4.86	-4.86	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	-2.806	-2.806	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,%]
115	M118	X	-4.034	-4.034	0	%100
116	M118	Z	-6.987	-6.987	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	-4.738	-4.738	0	%100
120	M126	Z	-8.207	-8.207	0	%100
121	M127	X	-4.738	-4.738	0	%100
122	M127	Z	-8.207	-8.207	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	-3.473	-3.473	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	-3.473	-3.473	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	-4.041	-4.041	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-4.041	-4.041	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	-1.01	-1.01	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	-1.01	-1.01	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	-1.01	-1.01	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	-1.01	-1.01	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	-4.023	-4.023	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	-3.687	-3.687	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	-3.687	-3.687	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	-3.687	-3.687	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	-4.023	-4.023	0	%100
29	MP4C	X	0	0	0	%100
30	MP4C	Z	-3.687	-3.687	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-3.687	-3.687	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	-3.687	-3.687	0	%100
35	MP3B	X	0	0	0	%100
36	MP3B	Z	-4.023	-4.023	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-3.687	-3.687	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-3.687	-3.687	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	-3.687	-3.687	0	%100
43	M100	X	0	0	0	%100
44	M100	Z	-2.65	-2.65	0	%100
45	M41	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,%]
46	M41	Z	-4.089	-4.089	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	-4.578	-4.578	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	-1.144	-1.144	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	-1.144	-1.144	0	%100
53	M76	X	0	0	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	-1.351	-1.351	0	%100
57	M84	X	0	0	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	-1.351	-1.351	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	-3.997	-3.997	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	-1.351	-1.351	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	-3.997	-3.997	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	-5.404	-5.404	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	-3.997	-3.997	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	-1.351	-1.351	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	-3.997	-3.997	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	-5.404	-5.404	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	-5.38	-5.38	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	-1.406	-1.406	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	-1.406	-1.406	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	-1.345	-1.345	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	-1.406	-1.406	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	-5.623	-5.623	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	-1.345	-1.345	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	-1.406	-1.406	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	-5.623	-5.623	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	-4.089	-4.089	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	-1.022	-1.022	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	-1.022	-1.022	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	-1.022	-1.022	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, %]
103	M97	X	0	0	0	%100
104	M97	Z	-1.022	-1.022	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	-3.447	-3.447	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	-4.887	-4.887	0	%100
109	M103A	X	0	0	0	%100
110	M103A	Z	-4.887	-4.887	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	-4.158	-4.158	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	-1.039	-1.039	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	-1.039	-1.039	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	-.921	-.921	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	-.921	-.921	0	%100
121	M127	X	0	0	0	%100
122	M127	Z	-3.684	-3.684	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	.579	.579	0	%100
2	M4	Z	-1.002	-1.002	0	%100
3	M34	X	.579	.579	0	%100
4	M34	Z	-1.002	-1.002	0	%100
5	M67	X	2.315	2.315	0	%100
6	M67	Z	-4.01	-4.01	0	%100
7	M10	X	1.516	1.516	0	%100
8	M10	Z	-2.625	-2.625	0	%100
9	M43	X	1.516	1.516	0	%100
10	M43	Z	-2.625	-2.625	0	%100
11	M35	X	1.516	1.516	0	%100
12	M35	Z	-2.625	-2.625	0	%100
13	M36	X	1.516	1.516	0	%100
14	M36	Z	-2.625	-2.625	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	2.011	2.011	0	%100
20	MP3A	Z	-3.484	-3.484	0	%100
21	MP4A	X	1.843	1.843	0	%100
22	MP4A	Z	-3.193	-3.193	0	%100
23	MP2A	X	1.843	1.843	0	%100
24	MP2A	Z	-3.193	-3.193	0	%100
25	MP1A	X	1.843	1.843	0	%100
26	MP1A	Z	-3.193	-3.193	0	%100
27	MP3C	X	2.011	2.011	0	%100
28	MP3C	Z	-3.484	-3.484	0	%100
29	MP4C	X	1.843	1.843	0	%100
30	MP4C	Z	-3.193	-3.193	0	%100
31	MP2C	X	1.843	1.843	0	%100
32	MP2C	Z	-3.193	-3.193	0	%100
33	MP1C	X	1.843	1.843	0	%100

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

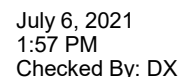
	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	MP1C	Z	-3.193	-3.193	0	%100
35	MP3B	X	2.011	2.011	0	%100
36	MP3B	Z	-3.484	-3.484	0	%100
37	MP4B	X	1.843	1.843	0	%100
38	MP4B	Z	-3.193	-3.193	0	%100
39	MP2B	X	1.843	1.843	0	%100
40	MP2B	Z	-3.193	-3.193	0	%100
41	MP1B	X	1.843	1.843	0	%100
42	MP1B	Z	-3.193	-3.193	0	%100
43	M100	X	1.325	1.325	0	%100
44	M100	Z	-2.295	-2.295	0	%100
45	M41	X	1.533	1.533	0	%100
46	M41	Z	-2.656	-2.656	0	%100
47	M1	X	1.717	1.717	0	%100
48	M1	Z	-2.973	-2.973	0	%100
49	M58A	X	1.717	1.717	0	%100
50	M58A	Z	-2.973	-2.973	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	.666	.666	0	%100
54	M76	Z	-1.154	-1.154	0	%100
55	M77	X	2.027	2.027	0	%100
56	M77	Z	-3.51	-3.51	0	%100
57	M84	X	.666	.666	0	%100
58	M84	Z	-1.154	-1.154	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	.666	.666	0	%100
62	M45	Z	-1.154	-1.154	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	.666	.666	0	%100
66	M50A	Z	-1.154	-1.154	0	%100
67	M51C	X	2.027	2.027	0	%100
68	M51C	Z	-3.51	-3.51	0	%100
69	M78	X	2.665	2.665	0	%100
70	M78	Z	-4.615	-4.615	0	%100
71	M79A	X	2.027	2.027	0	%100
72	M79A	Z	-3.51	-3.51	0	%100
73	M83A	X	2.665	2.665	0	%100
74	M83A	Z	-4.615	-4.615	0	%100
75	M84A	X	2.027	2.027	0	%100
76	M84A	Z	-3.51	-3.51	0	%100
77	M46	X	2.018	2.018	0	%100
78	M46	Z	-3.495	-3.495	0	%100
79	M80	X	2.109	2.109	0	%100
80	M80	Z	-3.652	-3.652	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	2.018	2.018	0	%100
84	M37	Z	-3.495	-3.495	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	2.109	2.109	0	%100
88	M53	Z	-3.652	-3.652	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	0	0	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, %]
91	M81	X	2.109	2.109	0	%100
92	M81	Z	-3.652	-3.652	0	%100
93	M86	X	2.109	2.109	0	%100
94	M86	Z	-3.652	-3.652	0	%100
95	M91B	X	1.533	1.533	0	%100
96	M91B	Z	-2.656	-2.656	0	%100
97	M92B	X	1.533	1.533	0	%100
98	M92B	Z	-2.656	-2.656	0	%100
99	M93A	X	1.533	1.533	0	%100
100	M93A	Z	-2.656	-2.656	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	1.964	1.964	0	%100
106	M101	Z	-3.401	-3.401	0	%100
107	M102	X	1.964	1.964	0	%100
108	M102	Z	-3.401	-3.401	0	%100
109	M103A	X	2.684	2.684	0	%100
110	M103A	Z	-4.648	-4.648	0	%100
111	M108	X	1.559	1.559	0	%100
112	M108	Z	-2.701	-2.701	0	%100
113	M113	X	1.559	1.559	0	%100
114	M113	Z	-2.701	-2.701	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	1.382	1.382	0	%100
118	M125	Z	-2.393	-2.393	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	1.382	1.382	0	%100
122	M127	Z	-2.393	-2.393	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	3.007	3.007	0	%100
2	M4	Z	-1.736	-1.736	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	3.007	3.007	0	%100
6	M67	Z	-1.736	-1.736	0	%100
7	M10	X	.875	.875	0	%100
8	M10	Z	-.505	-.505	0	%100
9	M43	X	.875	.875	0	%100
10	M43	Z	-.505	-.505	0	%100
11	M35	X	3.5	3.5	0	%100
12	M35	Z	-2.021	-2.021	0	%100
13	M36	X	3.5	3.5	0	%100
14	M36	Z	-2.021	-2.021	0	%100
15	M68	X	.875	.875	0	%100
16	M68	Z	-.505	-.505	0	%100
17	M69	X	.875	.875	0	%100
18	M69	Z	-.505	-.505	0	%100
19	MP3A	X	3.484	3.484	0	%100
20	MP3A	Z	-2.011	-2.011	0	%100
21	MP4A	X	3.193	3.193	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, %]
79	M80	X	4.869	4.869	0	%100
80	M80	Z	-2.811	-2.811	0	%100
81	M91	X	1.217	1.217	0	%100
82	M91	Z	-.703	-.703	0	%100
83	M37	X	4.659	4.659	0	%100
84	M37	Z	-2.69	-2.69	0	%100
85	M48	X	1.217	1.217	0	%100
86	M48	Z	-.703	-.703	0	%100
87	M53	X	1.217	1.217	0	%100
88	M53	Z	-.703	-.703	0	%100
89	M70	X	1.165	1.165	0	%100
90	M70	Z	-.673	-.673	0	%100
91	M81	X	4.869	4.869	0	%100
92	M81	Z	-2.811	-2.811	0	%100
93	M86	X	1.217	1.217	0	%100
94	M86	Z	-.703	-.703	0	%100
95	M91B	X	.885	.885	0	%100
96	M91B	Z	-.511	-.511	0	%100
97	M92B	X	3.541	3.541	0	%100
98	M92B	Z	-2.044	-2.044	0	%100
99	M93A	X	3.541	3.541	0	%100
100	M93A	Z	-2.044	-2.044	0	%100
101	M96	X	.885	.885	0	%100
102	M96	Z	-.511	-.511	0	%100
103	M97	X	.885	.885	0	%100
104	M97	Z	-.511	-.511	0	%100
105	M101	X	4.233	4.233	0	%100
106	M101	Z	-2.444	-2.444	0	%100
107	M102	X	2.986	2.986	0	%100
108	M102	Z	-1.724	-1.724	0	%100
109	M103A	X	4.233	4.233	0	%100
110	M103A	Z	-2.444	-2.444	0	%100
111	M108	X	.9	.9	0	%100
112	M108	Z	-.52	-.52	0	%100
113	M113	X	3.601	3.601	0	%100
114	M113	Z	-2.079	-2.079	0	%100
115	M118	X	.9	.9	0	%100
116	M118	Z	-.52	-.52	0	%100
117	M125	X	3.191	3.191	0	%100
118	M125	Z	-1.842	-1.842	0	%100
119	M126	X	.798	.798	0	%100
120	M126	Z	-.461	-.461	0	%100
121	M127	X	.798	.798	0	%100
122	M127	Z	-.461	-.461	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	4.63	4.63	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	1.158	1.158	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	1.158	1.158	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	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,%]
10	M43	Z	0	0	0	%100
11	M35	X	3.031	3.031	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	3.031	3.031	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	3.031	3.031	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	3.031	3.031	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	4.023	4.023	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	3.687	3.687	0	%100
22	MP4A	Z	0	0	0	%100
23	MP2A	X	3.687	3.687	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	3.687	3.687	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	4.023	4.023	0	%100
28	MP3C	Z	0	0	0	%100
29	MP4C	X	3.687	3.687	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	3.687	3.687	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	3.687	3.687	0	%100
34	MP1C	Z	0	0	0	%100
35	MP3B	X	4.023	4.023	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	3.687	3.687	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	3.687	3.687	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	3.687	3.687	0	%100
42	MP1B	Z	0	0	0	%100
43	M100	X	2.65	2.65	0	%100
44	M100	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	0	0	0	%100
49	M58A	X	3.433	3.433	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	3.433	3.433	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	5.329	5.329	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	4.053	4.053	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	5.329	5.329	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	4.053	4.053	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	1.332	1.332	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	4.053	4.053	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	1.332	1.332	0	%100
66	M50A	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, %]
67	M51C	X	0	0	0	%100
68	M51C	Z	0	0	0	%100
69	M78	X	1.332	1.332	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	4.053	4.053	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	1.332	1.332	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	0	0	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	0	0	0	%100
79	M80	X	4.217	4.217	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	4.217	4.217	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	4.035	4.035	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	4.217	4.217	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	0	0	0	%100
89	M70	X	4.035	4.035	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	4.217	4.217	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	0	0	0	%100
97	M92B	X	3.066	3.066	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	3.066	3.066	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	3.066	3.066	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	3.066	3.066	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	5.367	5.367	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	3.927	3.927	0	%100
108	M102	Z	0	0	0	%100
109	M103A	X	3.927	3.927	0	%100
110	M103A	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M113	X	3.118	3.118	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	3.118	3.118	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	2.763	2.763	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	2.763	2.763	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	0	0	0	%100
122	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	3.007	3.007	0	%100
2	M4	Z	1.736	1.736	0	%100
3	M34	X	3.007	3.007	0	%100
4	M34	Z	1.736	1.736	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	.875	.875	0	%100
8	M10	Z	.505	.505	0	%100
9	M43	X	.875	.875	0	%100
10	M43	Z	.505	.505	0	%100
11	M35	X	.875	.875	0	%100
12	M35	Z	.505	.505	0	%100
13	M36	X	.875	.875	0	%100
14	M36	Z	.505	.505	0	%100
15	M68	X	3.5	3.5	0	%100
16	M68	Z	2.021	2.021	0	%100
17	M69	X	3.5	3.5	0	%100
18	M69	Z	2.021	2.021	0	%100
19	MP3A	X	3.484	3.484	0	%100
20	MP3A	Z	2.011	2.011	0	%100
21	MP4A	X	3.193	3.193	0	%100
22	MP4A	Z	1.843	1.843	0	%100
23	MP2A	X	3.193	3.193	0	%100
24	MP2A	Z	1.843	1.843	0	%100
25	MP1A	X	3.193	3.193	0	%100
26	MP1A	Z	1.843	1.843	0	%100
27	MP3C	X	3.484	3.484	0	%100
28	MP3C	Z	2.011	2.011	0	%100
29	MP4C	X	3.193	3.193	0	%100
30	MP4C	Z	1.843	1.843	0	%100
31	MP2C	X	3.193	3.193	0	%100
32	MP2C	Z	1.843	1.843	0	%100
33	MP1C	X	3.193	3.193	0	%100
34	MP1C	Z	1.843	1.843	0	%100
35	MP3B	X	3.484	3.484	0	%100
36	MP3B	Z	2.011	2.011	0	%100
37	MP4B	X	3.193	3.193	0	%100
38	MP4B	Z	1.843	1.843	0	%100
39	MP2B	X	3.193	3.193	0	%100
40	MP2B	Z	1.843	1.843	0	%100
41	MP1B	X	3.193	3.193	0	%100
42	MP1B	Z	1.843	1.843	0	%100
43	M100	X	2.295	2.295	0	%100
44	M100	Z	1.325	1.325	0	%100
45	M41	X	.885	.885	0	%100
46	M41	Z	.511	.511	0	%100
47	M1	X	.991	.991	0	%100
48	M1	Z	.572	.572	0	%100
49	M58A	X	.991	.991	0	%100
50	M58A	Z	.572	.572	0	%100
51	M91A	X	3.965	3.965	0	%100
52	M91A	Z	2.289	2.289	0	%100
53	M76	X	3.462	3.462	0	%100
54	M76	Z	1.999	1.999	0	%100
55	M77	X	1.17	1.17	0	%100
56	M77	Z	.676	.676	0	%100
57	M84	X	3.462	3.462	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, %]
58	M84	Z	1.999	1.999	0	%100
59	M85	X	4.68	4.68	0	%100
60	M85	Z	2.702	2.702	0	%100
61	M45	X	3.462	3.462	0	%100
62	M45	Z	1.999	1.999	0	%100
63	M46A	X	4.68	4.68	0	%100
64	M46A	Z	2.702	2.702	0	%100
65	M50A	X	3.462	3.462	0	%100
66	M50A	Z	1.999	1.999	0	%100
67	M51C	X	1.17	1.17	0	%100
68	M51C	Z	.676	.676	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	1.17	1.17	0	%100
72	M79A	Z	.676	.676	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	1.17	1.17	0	%100
76	M84A	Z	.676	.676	0	%100
77	M46	X	1.165	1.165	0	%100
78	M46	Z	.673	.673	0	%100
79	M80	X	1.217	1.217	0	%100
80	M80	Z	.703	.703	0	%100
81	M91	X	4.869	4.869	0	%100
82	M91	Z	2.811	2.811	0	%100
83	M37	X	1.165	1.165	0	%100
84	M37	Z	.673	.673	0	%100
85	M48	X	4.869	4.869	0	%100
86	M48	Z	2.811	2.811	0	%100
87	M53	X	1.217	1.217	0	%100
88	M53	Z	.703	.703	0	%100
89	M70	X	4.659	4.659	0	%100
90	M70	Z	2.69	2.69	0	%100
91	M81	X	1.217	1.217	0	%100
92	M81	Z	.703	.703	0	%100
93	M86	X	1.217	1.217	0	%100
94	M86	Z	.703	.703	0	%100
95	M91B	X	.885	.885	0	%100
96	M91B	Z	.511	.511	0	%100
97	M92B	X	.885	.885	0	%100
98	M92B	Z	.511	.511	0	%100
99	M93A	X	.885	.885	0	%100
100	M93A	Z	.511	.511	0	%100
101	M96	X	3.541	3.541	0	%100
102	M96	Z	2.044	2.044	0	%100
103	M97	X	3.541	3.541	0	%100
104	M97	Z	2.044	2.044	0	%100
105	M101	X	4.233	4.233	0	%100
106	M101	Z	2.444	2.444	0	%100
107	M102	X	4.233	4.233	0	%100
108	M102	Z	2.444	2.444	0	%100
109	M103A	X	2.986	2.986	0	%100
110	M103A	Z	1.724	1.724	0	%100
111	M108	X	.9	.9	0	%100
112	M108	Z	.52	.52	0	%100
113	M113	X	.9	.9	0	%100
114	M113	Z	.52	.52	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, %]
115	M118	X	3.601	3.601	0	%100
116	M118	Z	2.079	2.079	0	%100
117	M125	X	.798	.798	0	%100
118	M125	Z	.461	.461	0	%100
119	M126	X	3.191	3.191	0	%100
120	M126	Z	1.842	1.842	0	%100
121	M127	X	.798	.798	0	%100
122	M127	Z	.461	.461	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	.579	.579	0	%100
2	M4	Z	1.002	1.002	0	%100
3	M34	X	2.315	2.315	0	%100
4	M34	Z	4.01	4.01	0	%100
5	M67	X	.579	.579	0	%100
6	M67	Z	1.002	1.002	0	%100
7	M10	X	1.516	1.516	0	%100
8	M10	Z	2.625	2.625	0	%100
9	M43	X	1.516	1.516	0	%100
10	M43	Z	2.625	2.625	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	1.516	1.516	0	%100
16	M68	Z	2.625	2.625	0	%100
17	M69	X	1.516	1.516	0	%100
18	M69	Z	2.625	2.625	0	%100
19	MP3A	X	2.011	2.011	0	%100
20	MP3A	Z	3.484	3.484	0	%100
21	MP4A	X	1.843	1.843	0	%100
22	MP4A	Z	3.193	3.193	0	%100
23	MP2A	X	1.843	1.843	0	%100
24	MP2A	Z	3.193	3.193	0	%100
25	MP1A	X	1.843	1.843	0	%100
26	MP1A	Z	3.193	3.193	0	%100
27	MP3C	X	2.011	2.011	0	%100
28	MP3C	Z	3.484	3.484	0	%100
29	MP4C	X	1.843	1.843	0	%100
30	MP4C	Z	3.193	3.193	0	%100
31	MP2C	X	1.843	1.843	0	%100
32	MP2C	Z	3.193	3.193	0	%100
33	MP1C	X	1.843	1.843	0	%100
34	MP1C	Z	3.193	3.193	0	%100
35	MP3B	X	2.011	2.011	0	%100
36	MP3B	Z	3.484	3.484	0	%100
37	MP4B	X	1.843	1.843	0	%100
38	MP4B	Z	3.193	3.193	0	%100
39	MP2B	X	1.843	1.843	0	%100
40	MP2B	Z	3.193	3.193	0	%100
41	MP1B	X	1.843	1.843	0	%100
42	MP1B	Z	3.193	3.193	0	%100
43	M100	X	1.325	1.325	0	%100
44	M100	Z	2.295	2.295	0	%100
45	M41	X	1.533	1.533	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,%]
46	M41	Z	2.656	2.656	0	%100
47	M1	X	1.717	1.717	0	%100
48	M1	Z	2.973	2.973	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	1.717	1.717	0	%100
52	M91A	Z	2.973	2.973	0	%100
53	M76	X	.666	.666	0	%100
54	M76	Z	1.154	1.154	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	.666	.666	0	%100
58	M84	Z	1.154	1.154	0	%100
59	M85	X	2.027	2.027	0	%100
60	M85	Z	3.51	3.51	0	%100
61	M45	X	2.665	2.665	0	%100
62	M45	Z	4.615	4.615	0	%100
63	M46A	X	2.027	2.027	0	%100
64	M46A	Z	3.51	3.51	0	%100
65	M50A	X	2.665	2.665	0	%100
66	M50A	Z	4.615	4.615	0	%100
67	M51C	X	2.027	2.027	0	%100
68	M51C	Z	3.51	3.51	0	%100
69	M78	X	.666	.666	0	%100
70	M78	Z	1.154	1.154	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	.666	.666	0	%100
74	M83A	Z	1.154	1.154	0	%100
75	M84A	X	2.027	2.027	0	%100
76	M84A	Z	3.51	3.51	0	%100
77	M46	X	2.018	2.018	0	%100
78	M46	Z	3.495	3.495	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	2.109	2.109	0	%100
82	M91	Z	3.652	3.652	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	2.109	2.109	0	%100
86	M48	Z	3.652	3.652	0	%100
87	M53	X	2.109	2.109	0	%100
88	M53	Z	3.652	3.652	0	%100
89	M70	X	2.018	2.018	0	%100
90	M70	Z	3.495	3.495	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	2.109	2.109	0	%100
94	M86	Z	3.652	3.652	0	%100
95	M91B	X	1.533	1.533	0	%100
96	M91B	Z	2.656	2.656	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	1.533	1.533	0	%100
102	M96	Z	2.656	2.656	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, %]
103	M97	X	1.533	1.533	0	%100
104	M97	Z	2.656	2.656	0	%100
105	M101	X	1.964	1.964	0	%100
106	M101	Z	3.401	3.401	0	%100
107	M102	X	2.684	2.684	0	%100
108	M102	Z	4.648	4.648	0	%100
109	M103A	X	1.964	1.964	0	%100
110	M103A	Z	3.401	3.401	0	%100
111	M108	X	1.559	1.559	0	%100
112	M108	Z	2.701	2.701	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	1.559	1.559	0	%100
116	M118	Z	2.701	2.701	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	1.382	1.382	0	%100
120	M126	Z	2.393	2.393	0	%100
121	M127	X	1.382	1.382	0	%100
122	M127	Z	2.393	2.393	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	3.473	3.473	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	3.473	3.473	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	4.041	4.041	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	4.041	4.041	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	1.01	1.01	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	1.01	1.01	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	1.01	1.01	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	1.01	1.01	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	4.023	4.023	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	3.687	3.687	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	3.687	3.687	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	3.687	3.687	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	4.023	4.023	0	%100
29	MP4C	X	0	0	0	%100
30	MP4C	Z	3.687	3.687	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	3.687	3.687	0	%100
33	MP1C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	M81	X	0	0	0	%100
92	M81	Z	1.406	1.406	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	5.623	5.623	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	4.089	4.089	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	1.022	1.022	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	1.022	1.022	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	1.022	1.022	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	1.022	1.022	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	3.447	3.447	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	4.887	4.887	0	%100
109	M103A	X	0	0	0	%100
110	M103A	Z	4.887	4.887	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	4.158	4.158	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	1.039	1.039	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	1.039	1.039	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	.921	.921	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	.921	.921	0	%100
121	M127	X	0	0	0	%100
122	M127	Z	3.684	3.684	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-.579	-.579	0	%100
2	M4	Z	1.002	1.002	0	%100
3	M34	X	-.579	-.579	0	%100
4	M34	Z	1.002	1.002	0	%100
5	M67	X	-2.315	-2.315	0	%100
6	M67	Z	4.01	4.01	0	%100
7	M10	X	-1.516	-1.516	0	%100
8	M10	Z	2.625	2.625	0	%100
9	M43	X	-1.516	-1.516	0	%100
10	M43	Z	2.625	2.625	0	%100
11	M35	X	-1.516	-1.516	0	%100
12	M35	Z	2.625	2.625	0	%100
13	M36	X	-1.516	-1.516	0	%100
14	M36	Z	2.625	2.625	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	-2.011	-2.011	0	%100
20	MP3A	Z	3.484	3.484	0	%100
21	MP4A	X	-1.843	-1.843	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,%]
22	MP4A	Z	3.193	3.193	0	%100
23	MP2A	X	-1.843	-1.843	0	%100
24	MP2A	Z	3.193	3.193	0	%100
25	MP1A	X	-1.843	-1.843	0	%100
26	MP1A	Z	3.193	3.193	0	%100
27	MP3C	X	-2.011	-2.011	0	%100
28	MP3C	Z	3.484	3.484	0	%100
29	MP4C	X	-1.843	-1.843	0	%100
30	MP4C	Z	3.193	3.193	0	%100
31	MP2C	X	-1.843	-1.843	0	%100
32	MP2C	Z	3.193	3.193	0	%100
33	MP1C	X	-1.843	-1.843	0	%100
34	MP1C	Z	3.193	3.193	0	%100
35	MP3B	X	-2.011	-2.011	0	%100
36	MP3B	Z	3.484	3.484	0	%100
37	MP4B	X	-1.843	-1.843	0	%100
38	MP4B	Z	3.193	3.193	0	%100
39	MP2B	X	-1.843	-1.843	0	%100
40	MP2B	Z	3.193	3.193	0	%100
41	MP1B	X	-1.843	-1.843	0	%100
42	MP1B	Z	3.193	3.193	0	%100
43	M100	X	-1.325	-1.325	0	%100
44	M100	Z	2.295	2.295	0	%100
45	M41	X	-1.533	-1.533	0	%100
46	M41	Z	2.656	2.656	0	%100
47	M1	X	-1.717	-1.717	0	%100
48	M1	Z	2.973	2.973	0	%100
49	M58A	X	-1.717	-1.717	0	%100
50	M58A	Z	2.973	2.973	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	-.666	-.666	0	%100
54	M76	Z	1.154	1.154	0	%100
55	M77	X	-2.027	-2.027	0	%100
56	M77	Z	3.51	3.51	0	%100
57	M84	X	-.666	-.666	0	%100
58	M84	Z	1.154	1.154	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	-.666	-.666	0	%100
62	M45	Z	1.154	1.154	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	-.666	-.666	0	%100
66	M50A	Z	1.154	1.154	0	%100
67	M51C	X	-2.027	-2.027	0	%100
68	M51C	Z	3.51	3.51	0	%100
69	M78	X	-2.665	-2.665	0	%100
70	M78	Z	4.615	4.615	0	%100
71	M79A	X	-2.027	-2.027	0	%100
72	M79A	Z	3.51	3.51	0	%100
73	M83A	X	-2.665	-2.665	0	%100
74	M83A	Z	4.615	4.615	0	%100
75	M84A	X	-2.027	-2.027	0	%100
76	M84A	Z	3.51	3.51	0	%100
77	M46	X	-2.018	-2.018	0	%100
78	M46	Z	3.495	3.495	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, %]
79	M80	X	-2.109	-2.109	0	%100
80	M80	Z	3.652	3.652	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	-2.018	-2.018	0	%100
84	M37	Z	3.495	3.495	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	-2.109	-2.109	0	%100
88	M53	Z	3.652	3.652	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	-2.109	-2.109	0	%100
92	M81	Z	3.652	3.652	0	%100
93	M86	X	-2.109	-2.109	0	%100
94	M86	Z	3.652	3.652	0	%100
95	M91B	X	-1.533	-1.533	0	%100
96	M91B	Z	2.656	2.656	0	%100
97	M92B	X	-1.533	-1.533	0	%100
98	M92B	Z	2.656	2.656	0	%100
99	M93A	X	-1.533	-1.533	0	%100
100	M93A	Z	2.656	2.656	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	-1.964	-1.964	0	%100
106	M101	Z	3.401	3.401	0	%100
107	M102	X	-1.964	-1.964	0	%100
108	M102	Z	3.401	3.401	0	%100
109	M103A	X	-2.684	-2.684	0	%100
110	M103A	Z	4.648	4.648	0	%100
111	M108	X	-1.559	-1.559	0	%100
112	M108	Z	2.701	2.701	0	%100
113	M113	X	-1.559	-1.559	0	%100
114	M113	Z	2.701	2.701	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	-1.382	-1.382	0	%100
118	M125	Z	2.393	2.393	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	-1.382	-1.382	0	%100
122	M127	Z	2.393	2.393	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-3.007	-3.007	0	%100
2	M4	Z	1.736	1.736	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	-3.007	-3.007	0	%100
6	M67	Z	1.736	1.736	0	%100
7	M10	X	-0.875	-0.875	0	%100
8	M10	Z	0.505	0.505	0	%100
9	M43	X	-0.875	-0.875	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,%]
10	M43	Z	.505	.505	0	%100
11	M35	X	-3.5	-3.5	0	%100
12	M35	Z	2.021	2.021	0	%100
13	M36	X	-3.5	-3.5	0	%100
14	M36	Z	2.021	2.021	0	%100
15	M68	X	-.875	-.875	0	%100
16	M68	Z	.505	.505	0	%100
17	M69	X	-.875	-.875	0	%100
18	M69	Z	.505	.505	0	%100
19	MP3A	X	-3.484	-3.484	0	%100
20	MP3A	Z	2.011	2.011	0	%100
21	MP4A	X	-3.193	-3.193	0	%100
22	MP4A	Z	1.843	1.843	0	%100
23	MP2A	X	-3.193	-3.193	0	%100
24	MP2A	Z	1.843	1.843	0	%100
25	MP1A	X	-3.193	-3.193	0	%100
26	MP1A	Z	1.843	1.843	0	%100
27	MP3C	X	-3.484	-3.484	0	%100
28	MP3C	Z	2.011	2.011	0	%100
29	MP4C	X	-3.193	-3.193	0	%100
30	MP4C	Z	1.843	1.843	0	%100
31	MP2C	X	-3.193	-3.193	0	%100
32	MP2C	Z	1.843	1.843	0	%100
33	MP1C	X	-3.193	-3.193	0	%100
34	MP1C	Z	1.843	1.843	0	%100
35	MP3B	X	-3.484	-3.484	0	%100
36	MP3B	Z	2.011	2.011	0	%100
37	MP4B	X	-3.193	-3.193	0	%100
38	MP4B	Z	1.843	1.843	0	%100
39	MP2B	X	-3.193	-3.193	0	%100
40	MP2B	Z	1.843	1.843	0	%100
41	MP1B	X	-3.193	-3.193	0	%100
42	MP1B	Z	1.843	1.843	0	%100
43	M100	X	-2.295	-2.295	0	%100
44	M100	Z	1.325	1.325	0	%100
45	M41	X	-.885	-.885	0	%100
46	M41	Z	.511	.511	0	%100
47	M1	X	-.991	-.991	0	%100
48	M1	Z	.572	.572	0	%100
49	M58A	X	-3.965	-3.965	0	%100
50	M58A	Z	2.289	2.289	0	%100
51	M91A	X	-.991	-.991	0	%100
52	M91A	Z	.572	.572	0	%100
53	M76	X	-3.462	-3.462	0	%100
54	M76	Z	1.999	1.999	0	%100
55	M77	X	-4.68	-4.68	0	%100
56	M77	Z	2.702	2.702	0	%100
57	M84	X	-3.462	-3.462	0	%100
58	M84	Z	1.999	1.999	0	%100
59	M85	X	-1.17	-1.17	0	%100
60	M85	Z	.676	.676	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	-1.17	-1.17	0	%100
64	M46A	Z	.676	.676	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
67	M51C	X	-1.17	-1.17	0	%100
68	M51C	Z	.676	.676	0	%100
69	M78	X	-3.462	-3.462	0	%100
70	M78	Z	1.999	1.999	0	%100
71	M79A	X	-4.68	-4.68	0	%100
72	M79A	Z	2.702	2.702	0	%100
73	M83A	X	-3.462	-3.462	0	%100
74	M83A	Z	1.999	1.999	0	%100
75	M84A	X	-1.17	-1.17	0	%100
76	M84A	Z	.676	.676	0	%100
77	M46	X	-1.165	-1.165	0	%100
78	M46	Z	.673	.673	0	%100
79	M80	X	-4.869	-4.869	0	%100
80	M80	Z	2.811	2.811	0	%100
81	M91	X	-1.217	-1.217	0	%100
82	M91	Z	.703	.703	0	%100
83	M37	X	-4.659	-4.659	0	%100
84	M37	Z	2.69	2.69	0	%100
85	M48	X	-1.217	-1.217	0	%100
86	M48	Z	.703	.703	0	%100
87	M53	X	-1.217	-1.217	0	%100
88	M53	Z	.703	.703	0	%100
89	M70	X	-1.165	-1.165	0	%100
90	M70	Z	.673	.673	0	%100
91	M81	X	-4.869	-4.869	0	%100
92	M81	Z	2.811	2.811	0	%100
93	M86	X	-1.217	-1.217	0	%100
94	M86	Z	.703	.703	0	%100
95	M91B	X	-.885	-.885	0	%100
96	M91B	Z	.511	.511	0	%100
97	M92B	X	-3.541	-3.541	0	%100
98	M92B	Z	2.044	2.044	0	%100
99	M93A	X	-3.541	-3.541	0	%100
100	M93A	Z	2.044	2.044	0	%100
101	M96	X	-.885	-.885	0	%100
102	M96	Z	.511	.511	0	%100
103	M97	X	-.885	-.885	0	%100
104	M97	Z	.511	.511	0	%100
105	M101	X	-4.233	-4.233	0	%100
106	M101	Z	2.444	2.444	0	%100
107	M102	X	-2.986	-2.986	0	%100
108	M102	Z	1.724	1.724	0	%100
109	M103A	X	-4.233	-4.233	0	%100
110	M103A	Z	2.444	2.444	0	%100
111	M108	X	-.9	-.9	0	%100
112	M108	Z	.52	.52	0	%100
113	M113	X	-3.601	-3.601	0	%100
114	M113	Z	2.079	2.079	0	%100
115	M118	X	-.9	-.9	0	%100
116	M118	Z	.52	.52	0	%100
117	M125	X	-3.191	-3.191	0	%100
118	M125	Z	1.842	1.842	0	%100
119	M126	X	-.798	-.798	0	%100
120	M126	Z	.461	.461	0	%100
121	M127	X	-.798	-.798	0	%100
122	M127	Z	.461	.461	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-4.63	-4.63	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	-1.158	-1.158	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	-1.158	-1.158	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M35	X	-3.031	-3.031	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	-3.031	-3.031	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	-3.031	-3.031	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	-3.031	-3.031	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	-4.023	-4.023	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	-3.687	-3.687	0	%100
22	MP4A	Z	0	0	0	%100
23	MP2A	X	-3.687	-3.687	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	-3.687	-3.687	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	-4.023	-4.023	0	%100
28	MP3C	Z	0	0	0	%100
29	MP4C	X	-3.687	-3.687	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	-3.687	-3.687	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-3.687	-3.687	0	%100
34	MP1C	Z	0	0	0	%100
35	MP3B	X	-4.023	-4.023	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	-3.687	-3.687	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	-3.687	-3.687	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	-3.687	-3.687	0	%100
42	MP1B	Z	0	0	0	%100
43	M100	X	-2.65	-2.65	0	%100
44	M100	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	0	0	0	%100
49	M58A	X	-3.433	-3.433	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	-3.433	-3.433	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	-5.329	-5.329	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	-4.053	-4.053	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	-5.329	-5.329	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,%]
58	M84	Z	0	0	0	%100
59	M85	X	-4.053	-4.053	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	-1.332	-1.332	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	-4.053	-4.053	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	-1.332	-1.332	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	0	0	0	%100
69	M78	X	-1.332	-1.332	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	-4.053	-4.053	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	-1.332	-1.332	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	0	0	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	0	0	0	%100
79	M80	X	-4.217	-4.217	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	-4.217	-4.217	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	-4.035	-4.035	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	-4.217	-4.217	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	0	0	0	%100
89	M70	X	-4.035	-4.035	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	-4.217	-4.217	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	0	0	0	%100
97	M92B	X	-3.066	-3.066	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	-3.066	-3.066	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	-3.066	-3.066	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	-3.066	-3.066	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	-5.367	-5.367	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	-3.927	-3.927	0	%100
108	M102	Z	0	0	0	%100
109	M103A	X	-3.927	-3.927	0	%100
110	M103A	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M113	X	-3.118	-3.118	0	%100
114	M113	Z	0	0	0	%100

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

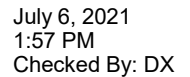
	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M118	X	-3.118	-3.118	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	-2.763	-2.763	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	-2.763	-2.763	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	0	0	0	%100
122	M127	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	M4	X	-3.007	-3.007	0	%100
2	M4	Z	-1.736	-1.736	0	%100
3	M34	X	-3.007	-3.007	0	%100
4	M34	Z	-1.736	-1.736	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	-.875	-.875	0	%100
8	M10	Z	-.505	-.505	0	%100
9	M43	X	-.875	-.875	0	%100
10	M43	Z	-.505	-.505	0	%100
11	M35	X	-.875	-.875	0	%100
12	M35	Z	-.505	-.505	0	%100
13	M36	X	-.875	-.875	0	%100
14	M36	Z	-.505	-.505	0	%100
15	M68	X	-3.5	-3.5	0	%100
16	M68	Z	-2.021	-2.021	0	%100
17	M69	X	-3.5	-3.5	0	%100
18	M69	Z	-2.021	-2.021	0	%100
19	MP3A	X	-3.484	-3.484	0	%100
20	MP3A	Z	-2.011	-2.011	0	%100
21	MP4A	X	-3.193	-3.193	0	%100
22	MP4A	Z	-1.843	-1.843	0	%100
23	MP2A	X	-3.193	-3.193	0	%100
24	MP2A	Z	-1.843	-1.843	0	%100
25	MP1A	X	-3.193	-3.193	0	%100
26	MP1A	Z	-1.843	-1.843	0	%100
27	MP3C	X	-3.484	-3.484	0	%100
28	MP3C	Z	-2.011	-2.011	0	%100
29	MP4C	X	-3.193	-3.193	0	%100
30	MP4C	Z	-1.843	-1.843	0	%100
31	MP2C	X	-3.193	-3.193	0	%100
32	MP2C	Z	-1.843	-1.843	0	%100
33	MP1C	X	-3.193	-3.193	0	%100
34	MP1C	Z	-1.843	-1.843	0	%100
35	MP3B	X	-3.484	-3.484	0	%100
36	MP3B	Z	-2.011	-2.011	0	%100
37	MP4B	X	-3.193	-3.193	0	%100
38	MP4B	Z	-1.843	-1.843	0	%100
39	MP2B	X	-3.193	-3.193	0	%100
40	MP2B	Z	-1.843	-1.843	0	%100
41	MP1B	X	-3.193	-3.193	0	%100
42	MP1B	Z	-1.843	-1.843	0	%100
43	M100	X	-2.295	-2.295	0	%100
44	M100	Z	-1.325	-1.325	0	%100
45	M41	X	-.885	-.885	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M41	Z	-511	-511	0	%100
47	M1	X	-991	-991	0	%100
48	M1	Z	-572	-572	0	%100
49	M58A	X	-991	-991	0	%100
50	M58A	Z	-572	-572	0	%100
51	M91A	X	-3.965	-3.965	0	%100
52	M91A	Z	-2.289	-2.289	0	%100
53	M76	X	-3.462	-3.462	0	%100
54	M76	Z	-1.999	-1.999	0	%100
55	M77	X	-1.17	-1.17	0	%100
56	M77	Z	-676	-676	0	%100
57	M84	X	-3.462	-3.462	0	%100
58	M84	Z	-1.999	-1.999	0	%100
59	M85	X	-4.68	-4.68	0	%100
60	M85	Z	-2.702	-2.702	0	%100
61	M45	X	-3.462	-3.462	0	%100
62	M45	Z	-1.999	-1.999	0	%100
63	M46A	X	-4.68	-4.68	0	%100
64	M46A	Z	-2.702	-2.702	0	%100
65	M50A	X	-3.462	-3.462	0	%100
66	M50A	Z	-1.999	-1.999	0	%100
67	M51C	X	-1.17	-1.17	0	%100
68	M51C	Z	-676	-676	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	-1.17	-1.17	0	%100
72	M79A	Z	-676	-676	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	-1.17	-1.17	0	%100
76	M84A	Z	-676	-676	0	%100
77	M46	X	-1.165	-1.165	0	%100
78	M46	Z	-673	-673	0	%100
79	M80	X	-1.217	-1.217	0	%100
80	M80	Z	-703	-703	0	%100
81	M91	X	-4.869	-4.869	0	%100
82	M91	Z	-2.811	-2.811	0	%100
83	M37	X	-1.165	-1.165	0	%100
84	M37	Z	-673	-673	0	%100
85	M48	X	-4.869	-4.869	0	%100
86	M48	Z	-2.811	-2.811	0	%100
87	M53	X	-1.217	-1.217	0	%100
88	M53	Z	-703	-703	0	%100
89	M70	X	-4.659	-4.659	0	%100
90	M70	Z	-2.69	-2.69	0	%100
91	M81	X	-1.217	-1.217	0	%100
92	M81	Z	-703	-703	0	%100
93	M86	X	-1.217	-1.217	0	%100
94	M86	Z	-703	-703	0	%100
95	M91B	X	-885	-885	0	%100
96	M91B	Z	-511	-511	0	%100
97	M92B	X	-885	-885	0	%100
98	M92B	Z	-511	-511	0	%100
99	M93A	X	-885	-885	0	%100
100	M93A	Z	-511	-511	0	%100
101	M96	X	-3.541	-3.541	0	%100
102	M96	Z	-2.044	-2.044	0	%100

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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,%]
34	MP1C	Z	-3.193	-3.193	0	%100
35	MP3B	X	-2.011	-2.011	0	%100
36	MP3B	Z	-3.484	-3.484	0	%100
37	MP4B	X	-1.843	-1.843	0	%100
38	MP4B	Z	-3.193	-3.193	0	%100
39	MP2B	X	-1.843	-1.843	0	%100
40	MP2B	Z	-3.193	-3.193	0	%100
41	MP1B	X	-1.843	-1.843	0	%100
42	MP1B	Z	-3.193	-3.193	0	%100
43	M100	X	-1.325	-1.325	0	%100
44	M100	Z	-2.295	-2.295	0	%100
45	M41	X	-1.533	-1.533	0	%100
46	M41	Z	-2.656	-2.656	0	%100
47	M1	X	-1.717	-1.717	0	%100
48	M1	Z	-2.973	-2.973	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	-1.717	-1.717	0	%100
52	M91A	Z	-2.973	-2.973	0	%100
53	M76	X	-.666	-.666	0	%100
54	M76	Z	-1.154	-1.154	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	-.666	-.666	0	%100
58	M84	Z	-1.154	-1.154	0	%100
59	M85	X	-2.027	-2.027	0	%100
60	M85	Z	-3.51	-3.51	0	%100
61	M45	X	-2.665	-2.665	0	%100
62	M45	Z	-4.615	-4.615	0	%100
63	M46A	X	-2.027	-2.027	0	%100
64	M46A	Z	-3.51	-3.51	0	%100
65	M50A	X	-2.665	-2.665	0	%100
66	M50A	Z	-4.615	-4.615	0	%100
67	M51C	X	-2.027	-2.027	0	%100
68	M51C	Z	-3.51	-3.51	0	%100
69	M78	X	-.666	-.666	0	%100
70	M78	Z	-1.154	-1.154	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	-.666	-.666	0	%100
74	M83A	Z	-1.154	-1.154	0	%100
75	M84A	X	-2.027	-2.027	0	%100
76	M84A	Z	-3.51	-3.51	0	%100
77	M46	X	-2.018	-2.018	0	%100
78	M46	Z	-3.495	-3.495	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	-2.109	-2.109	0	%100
82	M91	Z	-3.652	-3.652	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	-2.109	-2.109	0	%100
86	M48	Z	-3.652	-3.652	0	%100
87	M53	X	-2.109	-2.109	0	%100
88	M53	Z	-3.652	-3.652	0	%100
89	M70	X	-2.018	-2.018	0	%100
90	M70	Z	-3.495	-3.495	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, %]
91	M81	X	0	0	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	-2.109	-2.109	0	%100
94	M86	Z	-3.652	-3.652	0	%100
95	M91B	X	-1.533	-1.533	0	%100
96	M91B	Z	-2.656	-2.656	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	-1.533	-1.533	0	%100
102	M96	Z	-2.656	-2.656	0	%100
103	M97	X	-1.533	-1.533	0	%100
104	M97	Z	-2.656	-2.656	0	%100
105	M101	X	-1.964	-1.964	0	%100
106	M101	Z	-3.401	-3.401	0	%100
107	M102	X	-2.684	-2.684	0	%100
108	M102	Z	-4.648	-4.648	0	%100
109	M103A	X	-1.964	-1.964	0	%100
110	M103A	Z	-3.401	-3.401	0	%100
111	M108	X	-1.559	-1.559	0	%100
112	M108	Z	-2.701	-2.701	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	-1.559	-1.559	0	%100
116	M118	Z	-2.701	-2.701	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	-1.382	-1.382	0	%100
120	M126	Z	-2.393	-2.393	0	%100
121	M127	X	-1.382	-1.382	0	%100
122	M127	Z	-2.393	-2.393	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	-.711	-.711	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	-.711	-.711	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	-.897	-.897	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-.897	-.897	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	-.224	-.224	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	-.224	-.224	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	-.224	-.224	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	-.224	-.224	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	-.695	-.695	0	%100
21	MP4A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	MP4A	Z	-.574	-.574	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	-.574	-.574	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	-.574	-.574	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	-.695	-.695	0	%100
29	MP4C	X	0	0	0	%100
30	MP4C	Z	-.574	-.574	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-.574	-.574	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	-.574	-.574	0	%100
35	MP3B	X	0	0	0	%100
36	MP3B	Z	-.695	-.695	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-.574	-.574	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-.574	-.574	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	-.574	-.574	0	%100
43	M100	X	0	0	0	%100
44	M100	Z	-.416	-.416	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	-.806	-.806	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	-.846	-.846	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	-.212	-.212	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	-.212	-.212	0	%100
53	M76	X	0	0	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	-.369	-.369	0	%100
57	M84	X	0	0	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	-.369	-.369	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	-1.088	-1.088	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	-.369	-.369	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	-1.088	-1.088	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	-1.478	-1.478	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	-1.088	-1.088	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	-.369	-.369	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	-1.088	-1.088	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	-1.478	-1.478	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	-1.451	-1.451	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
79	M80	X	0	0	0	%100
80	M80	Z	-.389	-.389	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	-.389	-.389	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	-.363	-.363	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	-.389	-.389	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	-1.557	-1.557	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	-.363	-.363	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	-.389	-.389	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	-1.557	-1.557	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	-.806	-.806	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	-.202	-.202	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	-.202	-.202	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	-.202	-.202	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	-.202	-.202	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	-.9	-.9	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	-1.112	-1.112	0	%100
109	M103A	X	0	0	0	%100
110	M103A	Z	-1.112	-1.112	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	-.695	-.695	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	-.174	-.174	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	-.174	-.174	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	-.204	-.204	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	-.204	-.204	0	%100
121	M127	X	0	0	0	%100
122	M127	Z	-.817	-.817	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	.118	.118	0	%100
2	M4	Z	-.205	-.205	0	%100
3	M34	X	.118	.118	0	%100
4	M34	Z	-.205	-.205	0	%100
5	M67	X	.474	.474	0	%100
6	M67	Z	-.821	-.821	0	%100
7	M10	X	.336	.336	0	%100
8	M10	Z	-.582	-.582	0	%100
9	M43	X	.336	.336	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,%]
10	M43	Z	-.582	-.582	0	%100
11	M35	X	.336	.336	0	%100
12	M35	Z	-.582	-.582	0	%100
13	M36	X	.336	.336	0	%100
14	M36	Z	-.582	-.582	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	.348	.348	0	%100
20	MP3A	Z	-.602	-.602	0	%100
21	MP4A	X	.287	.287	0	%100
22	MP4A	Z	-.497	-.497	0	%100
23	MP2A	X	.287	.287	0	%100
24	MP2A	Z	-.497	-.497	0	%100
25	MP1A	X	.287	.287	0	%100
26	MP1A	Z	-.497	-.497	0	%100
27	MP3C	X	.348	.348	0	%100
28	MP3C	Z	-.602	-.602	0	%100
29	MP4C	X	.287	.287	0	%100
30	MP4C	Z	-.497	-.497	0	%100
31	MP2C	X	.287	.287	0	%100
32	MP2C	Z	-.497	-.497	0	%100
33	MP1C	X	.287	.287	0	%100
34	MP1C	Z	-.497	-.497	0	%100
35	MP3B	X	.348	.348	0	%100
36	MP3B	Z	-.602	-.602	0	%100
37	MP4B	X	.287	.287	0	%100
38	MP4B	Z	-.497	-.497	0	%100
39	MP2B	X	.287	.287	0	%100
40	MP2B	Z	-.497	-.497	0	%100
41	MP1B	X	.287	.287	0	%100
42	MP1B	Z	-.497	-.497	0	%100
43	M100	X	.208	.208	0	%100
44	M100	Z	-.36	-.36	0	%100
45	M41	X	.302	.302	0	%100
46	M41	Z	-.524	-.524	0	%100
47	M1	X	.317	.317	0	%100
48	M1	Z	-.55	-.55	0	%100
49	M58A	X	.317	.317	0	%100
50	M58A	Z	-.55	-.55	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	.181	.181	0	%100
54	M76	Z	-.314	-.314	0	%100
55	M77	X	.554	.554	0	%100
56	M77	Z	-.96	-.96	0	%100
57	M84	X	.181	.181	0	%100
58	M84	Z	-.314	-.314	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	.181	.181	0	%100
62	M45	Z	-.314	-.314	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	.181	.181	0	%100
66	M50A	Z	-.314	-.314	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, %]
67	M51C	X	.554	.554	0	%100
68	M51C	Z	-.96	-.96	0	%100
69	M78	X	.725	.725	0	%100
70	M78	Z	-1.257	-1.257	0	%100
71	M79A	X	.554	.554	0	%100
72	M79A	Z	-.96	-.96	0	%100
73	M83A	X	.725	.725	0	%100
74	M83A	Z	-1.257	-1.257	0	%100
75	M84A	X	.554	.554	0	%100
76	M84A	Z	-.96	-.96	0	%100
77	M46	X	.544	.544	0	%100
78	M46	Z	-.942	-.942	0	%100
79	M80	X	.584	.584	0	%100
80	M80	Z	-1.011	-1.011	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	.544	.544	0	%100
84	M37	Z	-.942	-.942	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	.584	.584	0	%100
88	M53	Z	-1.011	-1.011	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	.584	.584	0	%100
92	M81	Z	-1.011	-1.011	0	%100
93	M86	X	.584	.584	0	%100
94	M86	Z	-1.011	-1.011	0	%100
95	M91B	X	.302	.302	0	%100
96	M91B	Z	-.524	-.524	0	%100
97	M92B	X	.302	.302	0	%100
98	M92B	Z	-.524	-.524	0	%100
99	M93A	X	.302	.302	0	%100
100	M93A	Z	-.524	-.524	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	.485	.485	0	%100
106	M101	Z	-.841	-.841	0	%100
107	M102	X	.485	.485	0	%100
108	M102	Z	-.841	-.841	0	%100
109	M103A	X	.592	.592	0	%100
110	M103A	Z	-1.025	-1.025	0	%100
111	M108	X	.261	.261	0	%100
112	M108	Z	-.452	-.452	0	%100
113	M113	X	.261	.261	0	%100
114	M113	Z	-.452	-.452	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	.306	.306	0	%100
118	M125	Z	-.53	-.53	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	.306	.306	0	%100
122	M127	Z	-.53	-.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	.615	.615	0	%100
2	M4	Z	-.355	-.355	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	.615	.615	0	%100
6	M67	Z	-.355	-.355	0	%100
7	M10	X	.194	.194	0	%100
8	M10	Z	-.112	-.112	0	%100
9	M43	X	.194	.194	0	%100
10	M43	Z	-.112	-.112	0	%100
11	M35	X	.777	.777	0	%100
12	M35	Z	-.448	-.448	0	%100
13	M36	X	.777	.777	0	%100
14	M36	Z	-.448	-.448	0	%100
15	M68	X	.194	.194	0	%100
16	M68	Z	-.112	-.112	0	%100
17	M69	X	.194	.194	0	%100
18	M69	Z	-.112	-.112	0	%100
19	MP3A	X	.602	.602	0	%100
20	MP3A	Z	-.348	-.348	0	%100
21	MP4A	X	.497	.497	0	%100
22	MP4A	Z	-.287	-.287	0	%100
23	MP2A	X	.497	.497	0	%100
24	MP2A	Z	-.287	-.287	0	%100
25	MP1A	X	.497	.497	0	%100
26	MP1A	Z	-.287	-.287	0	%100
27	MP3C	X	.602	.602	0	%100
28	MP3C	Z	-.348	-.348	0	%100
29	MP4C	X	.497	.497	0	%100
30	MP4C	Z	-.287	-.287	0	%100
31	MP2C	X	.497	.497	0	%100
32	MP2C	Z	-.287	-.287	0	%100
33	MP1C	X	.497	.497	0	%100
34	MP1C	Z	-.287	-.287	0	%100
35	MP3B	X	.602	.602	0	%100
36	MP3B	Z	-.348	-.348	0	%100
37	MP4B	X	.497	.497	0	%100
38	MP4B	Z	-.287	-.287	0	%100
39	MP2B	X	.497	.497	0	%100
40	MP2B	Z	-.287	-.287	0	%100
41	MP1B	X	.497	.497	0	%100
42	MP1B	Z	-.287	-.287	0	%100
43	M100	X	.36	.36	0	%100
44	M100	Z	-.208	-.208	0	%100
45	M41	X	.175	.175	0	%100
46	M41	Z	-.101	-.101	0	%100
47	M1	X	.183	.183	0	%100
48	M1	Z	-.106	-.106	0	%100
49	M58A	X	.733	.733	0	%100
50	M58A	Z	-.423	-.423	0	%100
51	M91A	X	.183	.183	0	%100
52	M91A	Z	-.106	-.106	0	%100
53	M76	X	.942	.942	0	%100
54	M76	Z	-.544	-.544	0	%100
55	M77	X	1.28	1.28	0	%100
56	M77	Z	-.739	-.739	0	%100
57	M84	X	.942	.942	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M84	Z	-.544	-.544	0	%100
59	M85	X	.32	.32	0	%100
60	M85	Z	-.185	-.185	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	.32	.32	0	%100
64	M46A	Z	-.185	-.185	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	.32	.32	0	%100
68	M51C	Z	-.185	-.185	0	%100
69	M78	X	.942	.942	0	%100
70	M78	Z	-.544	-.544	0	%100
71	M79A	X	1.28	1.28	0	%100
72	M79A	Z	-.739	-.739	0	%100
73	M83A	X	.942	.942	0	%100
74	M83A	Z	-.544	-.544	0	%100
75	M84A	X	.32	.32	0	%100
76	M84A	Z	-.185	-.185	0	%100
77	M46	X	.314	.314	0	%100
78	M46	Z	-.181	-.181	0	%100
79	M80	X	1.348	1.348	0	%100
80	M80	Z	-.778	-.778	0	%100
81	M91	X	.337	.337	0	%100
82	M91	Z	-.195	-.195	0	%100
83	M37	X	1.257	1.257	0	%100
84	M37	Z	-.725	-.725	0	%100
85	M48	X	.337	.337	0	%100
86	M48	Z	-.195	-.195	0	%100
87	M53	X	.337	.337	0	%100
88	M53	Z	-.195	-.195	0	%100
89	M70	X	.314	.314	0	%100
90	M70	Z	-.181	-.181	0	%100
91	M81	X	1.348	1.348	0	%100
92	M81	Z	-.778	-.778	0	%100
93	M86	X	.337	.337	0	%100
94	M86	Z	-.195	-.195	0	%100
95	M91B	X	.175	.175	0	%100
96	M91B	Z	-.101	-.101	0	%100
97	M92B	X	.698	.698	0	%100
98	M92B	Z	-.403	-.403	0	%100
99	M93A	X	.698	.698	0	%100
100	M93A	Z	-.403	-.403	0	%100
101	M96	X	.175	.175	0	%100
102	M96	Z	-.101	-.101	0	%100
103	M97	X	.175	.175	0	%100
104	M97	Z	-.101	-.101	0	%100
105	M101	X	.963	.963	0	%100
106	M101	Z	-.556	-.556	0	%100
107	M102	X	.779	.779	0	%100
108	M102	Z	-.45	-.45	0	%100
109	M103A	X	.963	.963	0	%100
110	M103A	Z	-.556	-.556	0	%100
111	M108	X	.151	.151	0	%100
112	M108	Z	-.087	-.087	0	%100
113	M113	X	.602	.602	0	%100
114	M113	Z	-.348	-.348	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M118	X	.151	.151	0	%100
116	M118	Z	-.087	-.087	0	%100
117	M125	X	.707	.707	0	%100
118	M125	Z	-.408	-.408	0	%100
119	M126	X	.177	.177	0	%100
120	M126	Z	-.102	-.102	0	%100
121	M127	X	.177	.177	0	%100
122	M127	Z	-.102	-.102	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	.947	.947	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	.237	.237	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	.237	.237	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M35	X	.673	.673	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	.673	.673	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	.673	.673	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	.673	.673	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	.695	.695	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	.574	.574	0	%100
22	MP4A	Z	0	0	0	%100
23	MP2A	X	.574	.574	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	.574	.574	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	.695	.695	0	%100
28	MP3C	Z	0	0	0	%100
29	MP4C	X	.574	.574	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	.574	.574	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	.574	.574	0	%100
34	MP1C	Z	0	0	0	%100
35	MP3B	X	.695	.695	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	.574	.574	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	.574	.574	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	.574	.574	0	%100
42	MP1B	Z	0	0	0	%100
43	M100	X	.416	.416	0	%100
44	M100	Z	0	0	0	%100
45	M41	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M41	Z	0	0	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	0	0	0	%100
49	M58A	X	.635	.635	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	.635	.635	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	1.451	1.451	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	1.108	1.108	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	1.451	1.451	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	1.108	1.108	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	.363	.363	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	1.108	1.108	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	.363	.363	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	0	0	0	%100
69	M78	X	.363	.363	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	1.108	1.108	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	.363	.363	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	0	0	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	0	0	0	%100
79	M80	X	1.167	1.167	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	1.167	1.167	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	1.088	1.088	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	1.167	1.167	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	0	0	0	%100
89	M70	X	1.088	1.088	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	1.167	1.167	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	0	0	0	%100
97	M92B	X	.605	.605	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	.605	.605	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	.605	.605	0	%100
102	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
103	M97	X	.605	.605	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	1.183	1.183	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	.971	.971	0	%100
108	M102	Z	0	0	0	%100
109	M103A	X	.971	.971	0	%100
110	M103A	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M113	X	.521	.521	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	.521	.521	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	.613	.613	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	.613	.613	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	0	0	0	%100
122	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	.615	.615	0	%100
2	M4	Z	.355	.355	0	%100
3	M34	X	.615	.615	0	%100
4	M34	Z	.355	.355	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	.194	.194	0	%100
8	M10	Z	.112	.112	0	%100
9	M43	X	.194	.194	0	%100
10	M43	Z	.112	.112	0	%100
11	M35	X	.194	.194	0	%100
12	M35	Z	.112	.112	0	%100
13	M36	X	.194	.194	0	%100
14	M36	Z	.112	.112	0	%100
15	M68	X	.777	.777	0	%100
16	M68	Z	.448	.448	0	%100
17	M69	X	.777	.777	0	%100
18	M69	Z	.448	.448	0	%100
19	MP3A	X	.602	.602	0	%100
20	MP3A	Z	.348	.348	0	%100
21	MP4A	X	.497	.497	0	%100
22	MP4A	Z	.287	.287	0	%100
23	MP2A	X	.497	.497	0	%100
24	MP2A	Z	.287	.287	0	%100
25	MP1A	X	.497	.497	0	%100
26	MP1A	Z	.287	.287	0	%100
27	MP3C	X	.602	.602	0	%100
28	MP3C	Z	.348	.348	0	%100
29	MP4C	X	.497	.497	0	%100
30	MP4C	Z	.287	.287	0	%100
31	MP2C	X	.497	.497	0	%100
32	MP2C	Z	.287	.287	0	%100
33	MP1C	X	.497	.497	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,%]
34	MP1C	Z	.287	.287	0	%100
35	MP3B	X	.602	.602	0	%100
36	MP3B	Z	.348	.348	0	%100
37	MP4B	X	.497	.497	0	%100
38	MP4B	Z	.287	.287	0	%100
39	MP2B	X	.497	.497	0	%100
40	MP2B	Z	.287	.287	0	%100
41	MP1B	X	.497	.497	0	%100
42	MP1B	Z	.287	.287	0	%100
43	M100	X	.36	.36	0	%100
44	M100	Z	.208	.208	0	%100
45	M41	X	.175	.175	0	%100
46	M41	Z	.101	.101	0	%100
47	M1	X	.183	.183	0	%100
48	M1	Z	.106	.106	0	%100
49	M58A	X	.183	.183	0	%100
50	M58A	Z	.106	.106	0	%100
51	M91A	X	.733	.733	0	%100
52	M91A	Z	.423	.423	0	%100
53	M76	X	.942	.942	0	%100
54	M76	Z	.544	.544	0	%100
55	M77	X	.32	.32	0	%100
56	M77	Z	.185	.185	0	%100
57	M84	X	.942	.942	0	%100
58	M84	Z	.544	.544	0	%100
59	M85	X	1.28	1.28	0	%100
60	M85	Z	.739	.739	0	%100
61	M45	X	.942	.942	0	%100
62	M45	Z	.544	.544	0	%100
63	M46A	X	1.28	1.28	0	%100
64	M46A	Z	.739	.739	0	%100
65	M50A	X	.942	.942	0	%100
66	M50A	Z	.544	.544	0	%100
67	M51C	X	.32	.32	0	%100
68	M51C	Z	.185	.185	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	.32	.32	0	%100
72	M79A	Z	.185	.185	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	.32	.32	0	%100
76	M84A	Z	.185	.185	0	%100
77	M46	X	.314	.314	0	%100
78	M46	Z	.181	.181	0	%100
79	M80	X	.337	.337	0	%100
80	M80	Z	.195	.195	0	%100
81	M91	X	1.348	1.348	0	%100
82	M91	Z	.778	.778	0	%100
83	M37	X	.314	.314	0	%100
84	M37	Z	.181	.181	0	%100
85	M48	X	1.348	1.348	0	%100
86	M48	Z	.778	.778	0	%100
87	M53	X	.337	.337	0	%100
88	M53	Z	.195	.195	0	%100
89	M70	X	1.257	1.257	0	%100
90	M70	Z	.725	.725	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, %]
91	M81	X	.337	.337	0	%100
92	M81	Z	.195	.195	0	%100
93	M86	X	.337	.337	0	%100
94	M86	Z	.195	.195	0	%100
95	M91B	X	.175	.175	0	%100
96	M91B	Z	.101	.101	0	%100
97	M92B	X	.175	.175	0	%100
98	M92B	Z	.101	.101	0	%100
99	M93A	X	.175	.175	0	%100
100	M93A	Z	.101	.101	0	%100
101	M96	X	.698	.698	0	%100
102	M96	Z	.403	.403	0	%100
103	M97	X	.698	.698	0	%100
104	M97	Z	.403	.403	0	%100
105	M101	X	.963	.963	0	%100
106	M101	Z	.556	.556	0	%100
107	M102	X	.963	.963	0	%100
108	M102	Z	.556	.556	0	%100
109	M103A	X	.779	.779	0	%100
110	M103A	Z	.45	.45	0	%100
111	M108	X	.151	.151	0	%100
112	M108	Z	.087	.087	0	%100
113	M113	X	.151	.151	0	%100
114	M113	Z	.087	.087	0	%100
115	M118	X	.602	.602	0	%100
116	M118	Z	.348	.348	0	%100
117	M125	X	.177	.177	0	%100
118	M125	Z	.102	.102	0	%100
119	M126	X	.707	.707	0	%100
120	M126	Z	.408	.408	0	%100
121	M127	X	.177	.177	0	%100
122	M127	Z	.102	.102	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	.118	.118	0	%100
2	M4	Z	.205	.205	0	%100
3	M34	X	.474	.474	0	%100
4	M34	Z	.821	.821	0	%100
5	M67	X	.118	.118	0	%100
6	M67	Z	.205	.205	0	%100
7	M10	X	.336	.336	0	%100
8	M10	Z	.582	.582	0	%100
9	M43	X	.336	.336	0	%100
10	M43	Z	.582	.582	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	.336	.336	0	%100
16	M68	Z	.582	.582	0	%100
17	M69	X	.336	.336	0	%100
18	M69	Z	.582	.582	0	%100
19	MP3A	X	.348	.348	0	%100
20	MP3A	Z	.602	.602	0	%100
21	MP4A	X	.287	.287	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,%]
22	MP4A	Z	.497	.497	0	%100
23	MP2A	X	.287	.287	0	%100
24	MP2A	Z	.497	.497	0	%100
25	MP1A	X	.287	.287	0	%100
26	MP1A	Z	.497	.497	0	%100
27	MP3C	X	.348	.348	0	%100
28	MP3C	Z	.602	.602	0	%100
29	MP4C	X	.287	.287	0	%100
30	MP4C	Z	.497	.497	0	%100
31	MP2C	X	.287	.287	0	%100
32	MP2C	Z	.497	.497	0	%100
33	MP1C	X	.287	.287	0	%100
34	MP1C	Z	.497	.497	0	%100
35	MP3B	X	.348	.348	0	%100
36	MP3B	Z	.602	.602	0	%100
37	MP4B	X	.287	.287	0	%100
38	MP4B	Z	.497	.497	0	%100
39	MP2B	X	.287	.287	0	%100
40	MP2B	Z	.497	.497	0	%100
41	MP1B	X	.287	.287	0	%100
42	MP1B	Z	.497	.497	0	%100
43	M100	X	.208	.208	0	%100
44	M100	Z	.36	.36	0	%100
45	M41	X	.302	.302	0	%100
46	M41	Z	.524	.524	0	%100
47	M1	X	.317	.317	0	%100
48	M1	Z	.55	.55	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	.317	.317	0	%100
52	M91A	Z	.55	.55	0	%100
53	M76	X	.181	.181	0	%100
54	M76	Z	.314	.314	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	.181	.181	0	%100
58	M84	Z	.314	.314	0	%100
59	M85	X	.554	.554	0	%100
60	M85	Z	.96	.96	0	%100
61	M45	X	.725	.725	0	%100
62	M45	Z	1.257	1.257	0	%100
63	M46A	X	.554	.554	0	%100
64	M46A	Z	.96	.96	0	%100
65	M50A	X	.725	.725	0	%100
66	M50A	Z	1.257	1.257	0	%100
67	M51C	X	.554	.554	0	%100
68	M51C	Z	.96	.96	0	%100
69	M78	X	.181	.181	0	%100
70	M78	Z	.314	.314	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	.181	.181	0	%100
74	M83A	Z	.314	.314	0	%100
75	M84A	X	.554	.554	0	%100
76	M84A	Z	.96	.96	0	%100
77	M46	X	.544	.544	0	%100
78	M46	Z	.942	.942	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, %]
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	.584	.584	0	%100
82	M91	Z	1.011	1.011	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	.584	.584	0	%100
86	M48	Z	1.011	1.011	0	%100
87	M53	X	.584	.584	0	%100
88	M53	Z	1.011	1.011	0	%100
89	M70	X	.544	.544	0	%100
90	M70	Z	.942	.942	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	.584	.584	0	%100
94	M86	Z	1.011	1.011	0	%100
95	M91B	X	.302	.302	0	%100
96	M91B	Z	.524	.524	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	.302	.302	0	%100
102	M96	Z	.524	.524	0	%100
103	M97	X	.302	.302	0	%100
104	M97	Z	.524	.524	0	%100
105	M101	X	.485	.485	0	%100
106	M101	Z	.841	.841	0	%100
107	M102	X	.592	.592	0	%100
108	M102	Z	1.025	1.025	0	%100
109	M103A	X	.485	.485	0	%100
110	M103A	Z	.841	.841	0	%100
111	M108	X	.261	.261	0	%100
112	M108	Z	.452	.452	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	.261	.261	0	%100
116	M118	Z	.452	.452	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	.306	.306	0	%100
120	M126	Z	.53	.53	0	%100
121	M127	X	.306	.306	0	%100
122	M127	Z	.53	.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	.711	.711	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	.711	.711	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	.897	.897	0	%100
9	M43	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	M43	Z	.897	.897	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	.224	.224	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	.224	.224	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	.224	.224	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	.224	.224	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	.695	.695	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	.574	.574	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	.574	.574	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	.574	.574	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	.695	.695	0	%100
29	MP4C	X	0	0	0	%100
30	MP4C	Z	.574	.574	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	.574	.574	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	.574	.574	0	%100
35	MP3B	X	0	0	0	%100
36	MP3B	Z	.695	.695	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	.574	.574	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	.574	.574	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	.574	.574	0	%100
43	M100	X	0	0	0	%100
44	M100	Z	.416	.416	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	.806	.806	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	.846	.846	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	.212	.212	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	.212	.212	0	%100
53	M76	X	0	0	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	.369	.369	0	%100
57	M84	X	0	0	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	.369	.369	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	1.088	1.088	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	.369	.369	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	1.088	1.088	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
67	M51C	X	0	0	0	%100
68	M51C	Z	1.478	1.478	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	1.088	1.088	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	.369	.369	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	1.088	1.088	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	1.478	1.478	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	1.451	1.451	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	.389	.389	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	.389	.389	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	.363	.363	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	.389	.389	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	1.557	1.557	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	.363	.363	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	.389	.389	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	1.557	1.557	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	.806	.806	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	.202	.202	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	.202	.202	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	.202	.202	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	.202	.202	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	.9	.9	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	1.112	1.112	0	%100
109	M103A	X	0	0	0	%100
110	M103A	Z	1.112	1.112	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	.695	.695	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	.174	.174	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	.174	.174	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	.204	.204	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	.204	.204	0	%100
121	M127	X	0	0	0	%100
122	M127	Z	.817	.817	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	M4	X	-.118	-.118	0	%100
2	M4	Z	.205	.205	0	%100
3	M34	X	-.118	-.118	0	%100
4	M34	Z	.205	.205	0	%100
5	M67	X	-.474	-.474	0	%100
6	M67	Z	.821	.821	0	%100
7	M10	X	-.336	-.336	0	%100
8	M10	Z	.582	.582	0	%100
9	M43	X	-.336	-.336	0	%100
10	M43	Z	.582	.582	0	%100
11	M35	X	-.336	-.336	0	%100
12	M35	Z	.582	.582	0	%100
13	M36	X	-.336	-.336	0	%100
14	M36	Z	.582	.582	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	-.348	-.348	0	%100
20	MP3A	Z	.602	.602	0	%100
21	MP4A	X	-.287	-.287	0	%100
22	MP4A	Z	.497	.497	0	%100
23	MP2A	X	-.287	-.287	0	%100
24	MP2A	Z	.497	.497	0	%100
25	MP1A	X	-.287	-.287	0	%100
26	MP1A	Z	.497	.497	0	%100
27	MP3C	X	-.348	-.348	0	%100
28	MP3C	Z	.602	.602	0	%100
29	MP4C	X	-.287	-.287	0	%100
30	MP4C	Z	.497	.497	0	%100
31	MP2C	X	-.287	-.287	0	%100
32	MP2C	Z	.497	.497	0	%100
33	MP1C	X	-.287	-.287	0	%100
34	MP1C	Z	.497	.497	0	%100
35	MP3B	X	-.348	-.348	0	%100
36	MP3B	Z	.602	.602	0	%100
37	MP4B	X	-.287	-.287	0	%100
38	MP4B	Z	.497	.497	0	%100
39	MP2B	X	-.287	-.287	0	%100
40	MP2B	Z	.497	.497	0	%100
41	MP1B	X	-.287	-.287	0	%100
42	MP1B	Z	.497	.497	0	%100
43	M100	X	-.208	-.208	0	%100
44	M100	Z	.36	.36	0	%100
45	M41	X	-.302	-.302	0	%100
46	M41	Z	.524	.524	0	%100
47	M1	X	-.317	-.317	0	%100
48	M1	Z	.55	.55	0	%100
49	M58A	X	-.317	-.317	0	%100
50	M58A	Z	.55	.55	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	-.181	-.181	0	%100
54	M76	Z	.314	.314	0	%100
55	M77	X	-.554	-.554	0	%100
56	M77	Z	.96	.96	0	%100
57	M84	X	-.181	-.181	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,%]
58	M84	Z	.314	.314	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	-.181	-.181	0	%100
62	M45	Z	.314	.314	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	-.181	-.181	0	%100
66	M50A	Z	.314	.314	0	%100
67	M51C	X	-.554	-.554	0	%100
68	M51C	Z	.96	.96	0	%100
69	M78	X	-.725	-.725	0	%100
70	M78	Z	1.257	1.257	0	%100
71	M79A	X	-.554	-.554	0	%100
72	M79A	Z	.96	.96	0	%100
73	M83A	X	-.725	-.725	0	%100
74	M83A	Z	1.257	1.257	0	%100
75	M84A	X	-.554	-.554	0	%100
76	M84A	Z	.96	.96	0	%100
77	M46	X	-.544	-.544	0	%100
78	M46	Z	.942	.942	0	%100
79	M80	X	-.584	-.584	0	%100
80	M80	Z	1.011	1.011	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	-.544	-.544	0	%100
84	M37	Z	.942	.942	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	-.584	-.584	0	%100
88	M53	Z	1.011	1.011	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	-.584	-.584	0	%100
92	M81	Z	1.011	1.011	0	%100
93	M86	X	-.584	-.584	0	%100
94	M86	Z	1.011	1.011	0	%100
95	M91B	X	-.302	-.302	0	%100
96	M91B	Z	.524	.524	0	%100
97	M92B	X	-.302	-.302	0	%100
98	M92B	Z	.524	.524	0	%100
99	M93A	X	-.302	-.302	0	%100
100	M93A	Z	.524	.524	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	-.485	-.485	0	%100
106	M101	Z	.841	.841	0	%100
107	M102	X	-.485	-.485	0	%100
108	M102	Z	.841	.841	0	%100
109	M103A	X	-.592	-.592	0	%100
110	M103A	Z	1.025	1.025	0	%100
111	M108	X	-.261	-.261	0	%100
112	M108	Z	.452	.452	0	%100
113	M113	X	-.261	-.261	0	%100
114	M113	Z	.452	.452	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, %]
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	-.306	-.306	0	%100
118	M125	Z	.53	.53	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	-.306	-.306	0	%100
122	M127	Z	.53	.53	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	M4	X	-.615	-.615	0	%100
2	M4	Z	.355	.355	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	-.615	-.615	0	%100
6	M67	Z	.355	.355	0	%100
7	M10	X	-.194	-.194	0	%100
8	M10	Z	.112	.112	0	%100
9	M43	X	-.194	-.194	0	%100
10	M43	Z	.112	.112	0	%100
11	M35	X	-.777	-.777	0	%100
12	M35	Z	.448	.448	0	%100
13	M36	X	-.777	-.777	0	%100
14	M36	Z	.448	.448	0	%100
15	M68	X	-.194	-.194	0	%100
16	M68	Z	.112	.112	0	%100
17	M69	X	-.194	-.194	0	%100
18	M69	Z	.112	.112	0	%100
19	MP3A	X	-.602	-.602	0	%100
20	MP3A	Z	.348	.348	0	%100
21	MP4A	X	-.497	-.497	0	%100
22	MP4A	Z	.287	.287	0	%100
23	MP2A	X	-.497	-.497	0	%100
24	MP2A	Z	.287	.287	0	%100
25	MP1A	X	-.497	-.497	0	%100
26	MP1A	Z	.287	.287	0	%100
27	MP3C	X	-.602	-.602	0	%100
28	MP3C	Z	.348	.348	0	%100
29	MP4C	X	-.497	-.497	0	%100
30	MP4C	Z	.287	.287	0	%100
31	MP2C	X	-.497	-.497	0	%100
32	MP2C	Z	.287	.287	0	%100
33	MP1C	X	-.497	-.497	0	%100
34	MP1C	Z	.287	.287	0	%100
35	MP3B	X	-.602	-.602	0	%100
36	MP3B	Z	.348	.348	0	%100
37	MP4B	X	-.497	-.497	0	%100
38	MP4B	Z	.287	.287	0	%100
39	MP2B	X	-.497	-.497	0	%100
40	MP2B	Z	.287	.287	0	%100
41	MP1B	X	-.497	-.497	0	%100
42	MP1B	Z	.287	.287	0	%100
43	M100	X	-.36	-.36	0	%100
44	M100	Z	.208	.208	0	%100
45	M41	X	-.175	-.175	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M41	Z	.101	.101	0	%100
47	M1	X	-.183	-.183	0	%100
48	M1	Z	.106	.106	0	%100
49	M58A	X	-.733	-.733	0	%100
50	M58A	Z	.423	.423	0	%100
51	M91A	X	-.183	-.183	0	%100
52	M91A	Z	.106	.106	0	%100
53	M76	X	-.942	-.942	0	%100
54	M76	Z	.544	.544	0	%100
55	M77	X	-1.28	-1.28	0	%100
56	M77	Z	.739	.739	0	%100
57	M84	X	-.942	-.942	0	%100
58	M84	Z	.544	.544	0	%100
59	M85	X	-.32	-.32	0	%100
60	M85	Z	.185	.185	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	-.32	-.32	0	%100
64	M46A	Z	.185	.185	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	-.32	-.32	0	%100
68	M51C	Z	.185	.185	0	%100
69	M78	X	-.942	-.942	0	%100
70	M78	Z	.544	.544	0	%100
71	M79A	X	-1.28	-1.28	0	%100
72	M79A	Z	.739	.739	0	%100
73	M83A	X	-.942	-.942	0	%100
74	M83A	Z	.544	.544	0	%100
75	M84A	X	-.32	-.32	0	%100
76	M84A	Z	.185	.185	0	%100
77	M46	X	-.314	-.314	0	%100
78	M46	Z	.181	.181	0	%100
79	M80	X	-1.348	-1.348	0	%100
80	M80	Z	.778	.778	0	%100
81	M91	X	-.337	-.337	0	%100
82	M91	Z	.195	.195	0	%100
83	M37	X	-1.257	-1.257	0	%100
84	M37	Z	.725	.725	0	%100
85	M48	X	-.337	-.337	0	%100
86	M48	Z	.195	.195	0	%100
87	M53	X	-.337	-.337	0	%100
88	M53	Z	.195	.195	0	%100
89	M70	X	-.314	-.314	0	%100
90	M70	Z	.181	.181	0	%100
91	M81	X	-1.348	-1.348	0	%100
92	M81	Z	.778	.778	0	%100
93	M86	X	-.337	-.337	0	%100
94	M86	Z	.195	.195	0	%100
95	M91B	X	-.175	-.175	0	%100
96	M91B	Z	.101	.101	0	%100
97	M92B	X	-.698	-.698	0	%100
98	M92B	Z	.403	.403	0	%100
99	M93A	X	-.698	-.698	0	%100
100	M93A	Z	.403	.403	0	%100
101	M96	X	-.175	-.175	0	%100
102	M96	Z	.101	.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
103	M97	X	-.175	-.175	0	%100
104	M97	Z	.101	.101	0	%100
105	M101	X	-.963	-.963	0	%100
106	M101	Z	.556	.556	0	%100
107	M102	X	-.779	-.779	0	%100
108	M102	Z	.45	.45	0	%100
109	M103A	X	-.963	-.963	0	%100
110	M103A	Z	.556	.556	0	%100
111	M108	X	-.151	-.151	0	%100
112	M108	Z	.087	.087	0	%100
113	M113	X	-.602	-.602	0	%100
114	M113	Z	.348	.348	0	%100
115	M118	X	-.151	-.151	0	%100
116	M118	Z	.087	.087	0	%100
117	M125	X	-.707	-.707	0	%100
118	M125	Z	.408	.408	0	%100
119	M126	X	-.177	-.177	0	%100
120	M126	Z	.102	.102	0	%100
121	M127	X	-.177	-.177	0	%100
122	M127	Z	.102	.102	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-.947	-.947	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	-.237	-.237	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	-.237	-.237	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M35	X	-.673	-.673	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	-.673	-.673	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	-.673	-.673	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	-.673	-.673	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	-.695	-.695	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	-.574	-.574	0	%100
22	MP4A	Z	0	0	0	%100
23	MP2A	X	-.574	-.574	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	-.574	-.574	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	-.695	-.695	0	%100
28	MP3C	Z	0	0	0	%100
29	MP4C	X	-.574	-.574	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	-.574	-.574	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-.574	-.574	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,%]
34	MP1C	Z	0	0	0	%100
35	MP3B	X	-.695	-.695	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	-.574	-.574	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	-.574	-.574	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	-.574	-.574	0	%100
42	MP1B	Z	0	0	0	%100
43	M100	X	-.416	-.416	0	%100
44	M100	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	0	0	0	%100
49	M58A	X	-.635	-.635	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	-.635	-.635	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	-1.451	-1.451	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	-1.108	-1.108	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	-1.451	-1.451	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	-1.108	-1.108	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	-.363	-.363	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	-1.108	-1.108	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	-.363	-.363	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	0	0	0	%100
69	M78	X	-.363	-.363	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	-1.108	-1.108	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	-.363	-.363	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	0	0	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	0	0	0	%100
79	M80	X	-1.167	-1.167	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	-1.167	-1.167	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	-1.088	-1.088	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	-1.167	-1.167	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	0	0	0	%100
89	M70	X	-1.088	-1.088	0	%100
90	M70	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
91	M81	X	-1.167	-1.167	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	0	0	0	%100
97	M92B	X	-.605	-.605	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	-.605	-.605	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	-.605	-.605	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	-.605	-.605	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	-1.183	-1.183	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	-.971	-.971	0	%100
108	M102	Z	0	0	0	%100
109	M103A	X	-.971	-.971	0	%100
110	M103A	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M113	X	-.521	-.521	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	-.521	-.521	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	-.613	-.613	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	-.613	-.613	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	0	0	0	%100
122	M127	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-.615	-.615	0	%100
2	M4	Z	-.355	-.355	0	%100
3	M34	X	-.615	-.615	0	%100
4	M34	Z	-.355	-.355	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	-.194	-.194	0	%100
8	M10	Z	-.112	-.112	0	%100
9	M43	X	-.194	-.194	0	%100
10	M43	Z	-.112	-.112	0	%100
11	M35	X	-.194	-.194	0	%100
12	M35	Z	-.112	-.112	0	%100
13	M36	X	-.194	-.194	0	%100
14	M36	Z	-.112	-.112	0	%100
15	M68	X	-.777	-.777	0	%100
16	M68	Z	-.448	-.448	0	%100
17	M69	X	-.777	-.777	0	%100
18	M69	Z	-.448	-.448	0	%100
19	MP3A	X	-.602	-.602	0	%100
20	MP3A	Z	-.348	-.348	0	%100
21	MP4A	X	-.497	-.497	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	MP4A	Z	-.287	-.287	0	%100
23	MP2A	X	-.497	-.497	0	%100
24	MP2A	Z	-.287	-.287	0	%100
25	MP1A	X	-.497	-.497	0	%100
26	MP1A	Z	-.287	-.287	0	%100
27	MP3C	X	-.602	-.602	0	%100
28	MP3C	Z	-.348	-.348	0	%100
29	MP4C	X	-.497	-.497	0	%100
30	MP4C	Z	-.287	-.287	0	%100
31	MP2C	X	-.497	-.497	0	%100
32	MP2C	Z	-.287	-.287	0	%100
33	MP1C	X	-.497	-.497	0	%100
34	MP1C	Z	-.287	-.287	0	%100
35	MP3B	X	-.602	-.602	0	%100
36	MP3B	Z	-.348	-.348	0	%100
37	MP4B	X	-.497	-.497	0	%100
38	MP4B	Z	-.287	-.287	0	%100
39	MP2B	X	-.497	-.497	0	%100
40	MP2B	Z	-.287	-.287	0	%100
41	MP1B	X	-.497	-.497	0	%100
42	MP1B	Z	-.287	-.287	0	%100
43	M100	X	-.36	-.36	0	%100
44	M100	Z	-.208	-.208	0	%100
45	M41	X	-.175	-.175	0	%100
46	M41	Z	-.101	-.101	0	%100
47	M1	X	-.183	-.183	0	%100
48	M1	Z	-.106	-.106	0	%100
49	M58A	X	-.183	-.183	0	%100
50	M58A	Z	-.106	-.106	0	%100
51	M91A	X	-.733	-.733	0	%100
52	M91A	Z	-.423	-.423	0	%100
53	M76	X	-.942	-.942	0	%100
54	M76	Z	-.544	-.544	0	%100
55	M77	X	-.32	-.32	0	%100
56	M77	Z	-.185	-.185	0	%100
57	M84	X	-.942	-.942	0	%100
58	M84	Z	-.544	-.544	0	%100
59	M85	X	-1.28	-1.28	0	%100
60	M85	Z	-.739	-.739	0	%100
61	M45	X	-.942	-.942	0	%100
62	M45	Z	-.544	-.544	0	%100
63	M46A	X	-1.28	-1.28	0	%100
64	M46A	Z	-.739	-.739	0	%100
65	M50A	X	-.942	-.942	0	%100
66	M50A	Z	-.544	-.544	0	%100
67	M51C	X	-.32	-.32	0	%100
68	M51C	Z	-.185	-.185	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	-.32	-.32	0	%100
72	M79A	Z	-.185	-.185	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	-.32	-.32	0	%100
76	M84A	Z	-.185	-.185	0	%100
77	M46	X	-.314	-.314	0	%100
78	M46	Z	-.181	-.181	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, %]
79	M80	X	-.337	-.337	0	%100
80	M80	Z	-.195	-.195	0	%100
81	M91	X	-1.348	-1.348	0	%100
82	M91	Z	-.778	-.778	0	%100
83	M37	X	-.314	-.314	0	%100
84	M37	Z	-.181	-.181	0	%100
85	M48	X	-1.348	-1.348	0	%100
86	M48	Z	-.778	-.778	0	%100
87	M53	X	-.337	-.337	0	%100
88	M53	Z	-.195	-.195	0	%100
89	M70	X	-1.257	-1.257	0	%100
90	M70	Z	-.725	-.725	0	%100
91	M81	X	-.337	-.337	0	%100
92	M81	Z	-.195	-.195	0	%100
93	M86	X	-.337	-.337	0	%100
94	M86	Z	-.195	-.195	0	%100
95	M91B	X	-.175	-.175	0	%100
96	M91B	Z	-.101	-.101	0	%100
97	M92B	X	-.175	-.175	0	%100
98	M92B	Z	-.101	-.101	0	%100
99	M93A	X	-.175	-.175	0	%100
100	M93A	Z	-.101	-.101	0	%100
101	M96	X	-.698	-.698	0	%100
102	M96	Z	-.403	-.403	0	%100
103	M97	X	-.698	-.698	0	%100
104	M97	Z	-.403	-.403	0	%100
105	M101	X	-.963	-.963	0	%100
106	M101	Z	-.556	-.556	0	%100
107	M102	X	-.963	-.963	0	%100
108	M102	Z	-.556	-.556	0	%100
109	M103A	X	-.779	-.779	0	%100
110	M103A	Z	-.45	-.45	0	%100
111	M108	X	-.151	-.151	0	%100
112	M108	Z	-.087	-.087	0	%100
113	M113	X	-.151	-.151	0	%100
114	M113	Z	-.087	-.087	0	%100
115	M118	X	-.602	-.602	0	%100
116	M118	Z	-.348	-.348	0	%100
117	M125	X	-.177	-.177	0	%100
118	M125	Z	-.102	-.102	0	%100
119	M126	X	-.707	-.707	0	%100
120	M126	Z	-.408	-.408	0	%100
121	M127	X	-.177	-.177	0	%100
122	M127	Z	-.102	-.102	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-.118	-.118	0	%100
2	M4	Z	-.205	-.205	0	%100
3	M34	X	-.474	-.474	0	%100
4	M34	Z	-.821	-.821	0	%100
5	M67	X	-.118	-.118	0	%100
6	M67	Z	-.205	-.205	0	%100
7	M10	X	-.336	-.336	0	%100
8	M10	Z	-.582	-.582	0	%100
9	M43	X	-.336	-.336	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, %]
67	M51C	X	-.554	-.554	0	%100
68	M51C	Z	-.96	-.96	0	%100
69	M78	X	-.181	-.181	0	%100
70	M78	Z	-.314	-.314	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	-.181	-.181	0	%100
74	M83A	Z	-.314	-.314	0	%100
75	M84A	X	-.554	-.554	0	%100
76	M84A	Z	-.96	-.96	0	%100
77	M46	X	-.544	-.544	0	%100
78	M46	Z	-.942	-.942	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	-.584	-.584	0	%100
82	M91	Z	-1.011	-1.011	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	-.584	-.584	0	%100
86	M48	Z	-1.011	-1.011	0	%100
87	M53	X	-.584	-.584	0	%100
88	M53	Z	-1.011	-1.011	0	%100
89	M70	X	-.544	-.544	0	%100
90	M70	Z	-.942	-.942	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	-.584	-.584	0	%100
94	M86	Z	-1.011	-1.011	0	%100
95	M91B	X	-.302	-.302	0	%100
96	M91B	Z	-.524	-.524	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	-.302	-.302	0	%100
102	M96	Z	-.524	-.524	0	%100
103	M97	X	-.302	-.302	0	%100
104	M97	Z	-.524	-.524	0	%100
105	M101	X	-.485	-.485	0	%100
106	M101	Z	-.841	-.841	0	%100
107	M102	X	-.592	-.592	0	%100
108	M102	Z	-1.025	-1.025	0	%100
109	M103A	X	-.485	-.485	0	%100
110	M103A	Z	-.841	-.841	0	%100
111	M108	X	-.261	-.261	0	%100
112	M108	Z	-.452	-.452	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	-.261	-.261	0	%100
116	M118	Z	-.452	-.452	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	-.306	-.306	0	%100
120	M126	Z	-.53	-.53	0	%100
121	M127	X	-.306	-.306	0	%100
122	M127	Z	-.53	-.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M93A	Y	-3.57	-6.612	0	.876
2	M93A	Y	-6.612	-8.177	.876	1.751
3	M93A	Y	-8.177	-6.905	1.751	2.627
4	M93A	Y	-6.905	-4.259	2.627	3.503
5	M93A	Y	-4.259	-1.596	3.503	4.378
6	M96	Y	-3.624	-6.731	0	.876
7	M96	Y	-6.731	-8.414	.876	1.751
8	M96	Y	-8.414	-7.402	1.751	2.627
9	M96	Y	-7.402	-4.362	2.627	3.503
10	M96	Y	-4.362	-.564	3.503	4.378
11	M91B	Y	-3.569	-6.611	0	.876
12	M91B	Y	-6.611	-8.167	.876	1.751
13	M91B	Y	-8.167	-6.897	1.751	2.627
14	M91B	Y	-6.897	-4.26	2.627	3.503
15	M91B	Y	-4.26	-1.596	3.503	4.378
16	M92B	Y	-3.625	-6.739	0	.876
17	M92B	Y	-6.739	-8.419	.876	1.751
18	M92B	Y	-8.419	-7.403	1.751	2.627
19	M92B	Y	-7.403	-4.364	2.627	3.503
20	M92B	Y	-4.364	-.565	3.503	4.378
21	M41	Y	-3.562	-6.633	0	.876
22	M41	Y	-6.633	-8.249	.876	1.751
23	M41	Y	-8.249	-6.894	1.751	2.627
24	M41	Y	-6.894	-4.162	2.627	3.503
25	M41	Y	-4.162	-1.568	3.503	4.378
26	M97	Y	-3.569	-6.666	0	.876
27	M97	Y	-6.666	-8.315	.876	1.751
28	M97	Y	-8.315	-7.031	1.751	2.627
29	M97	Y	-7.031	-4.355	2.627	3.503
30	M97	Y	-4.355	-1.77	3.503	4.378

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M93A	Y	-10.709	-19.837	0	.876
2	M93A	Y	-19.837	-24.53	.876	1.751
3	M93A	Y	-24.53	-20.715	1.751	2.627
4	M93A	Y	-20.715	-12.777	2.627	3.503
5	M93A	Y	-12.777	-4.788	3.503	4.378
6	M96	Y	-10.872	-20.192	0	.876
7	M96	Y	-20.192	-25.242	.876	1.751
8	M96	Y	-25.242	-22.207	1.751	2.627
9	M96	Y	-22.207	-13.085	2.627	3.503
10	M96	Y	-13.085	-1.691	3.503	4.378
11	M91B	Y	-10.706	-19.834	0	.876
12	M91B	Y	-19.834	-24.502	.876	1.751
13	M91B	Y	-24.502	-20.691	1.751	2.627
14	M91B	Y	-20.691	-12.781	2.627	3.503
15	M91B	Y	-12.781	-4.789	3.503	4.378
16	M92B	Y	-10.875	-20.217	0	.876
17	M92B	Y	-20.217	-25.256	.876	1.751
18	M92B	Y	-25.256	-22.209	1.751	2.627
19	M92B	Y	-22.209	-13.093	2.627	3.503
20	M92B	Y	-13.093	-1.694	3.503	4.378
21	M41	Y	-10.685	-19.898	0	.876
22	M41	Y	-19.898	-24.746	.876	1.751
23	M41	Y	-24.746	-20.682	1.751	2.627

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
24	M41	Y	-20.682	-12.486	2.627	3.503
25	M41	Y	-12.486	-4.704	3.503	4.378
26	M97	Y	-10.707	-19.997	0	.876
27	M97	Y	-19.997	-24.944	.876	1.751
28	M97	Y	-24.944	-21.094	1.751	2.627
29	M97	Y	-21.094	-13.065	2.627	3.503
30	M97	Y	-13.065	-5.309	3.503	4.378

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N153A	N158A	N87B	Y	Two Way	-.005
2	N150A	N126	N128	N149A	Y	Two Way	-.005
3	N159B	N55	N78	N76	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N153A	N158A	N87B	Y	Two Way	-.015
2	N150A	N126	N128	N149A	Y	Two Way	-.015
3	N159B	N55	N78	N76	Y	Two Way	-.015

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

Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L...Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn
1	M4	HSS4X4X3	.145	0	10	.072	4...y	15	95088.0...	106812	12.662	12.662	1...H1-1b
2	M34	HSS4X4X3	.159	0	6	.079	4...y	23	95088.0...	106812	12.662	12.662	1...H1-1b
3	M67	HSS4X4X3	.144	4.367	18	.086	4...y	39	95088.0...	106812	12.662	12.662	1...H1-1b
4	M10	L3X3X6	.288	2.375	13	.277	z	7	60230.0...	68364	2.307	5.322	1...H2-1
5	M43	L3X3X6	.315	0	13	.285	2...z	1	60230.0...	68364	2.307	5.322	1...H2-1
6	M35	L3X3X6	.310	2.375	20	.311	z	3	60230.0...	68364	2.307	5.322	1...H2-1
7	M36	L3X3X6	.280	0	21	.324	2...z	8	60230.0...	68364	2.307	5.322	1...H2-1
8	M68	L3X3X6	.276	2.375	16	.310	y	4	60230.0...	68364	2.307	5.322	1...H2-1
9	M69	L3X3X6	.278	0	17	.269	2...y	11	60230.0...	68364	2.307	5.322	1...H2-1
10	MP3A	PIPE 2.5	.238	3.188	1	.092		2	37773.8...	50715	3.596	3.596	1...H1-1b
11	MP4A	PIPE 2.0	.262	3.125	22	.102	3...	8	20866.7...	32130	1.872	1.872	1...H1-1b
12	MP2A	PIPE 2.0	.237	3.188	3	.070		6	20866.7...	32130	1.872	1.872	1...H1-1b
13	MP1A	PIPE 2.0	.253	3.125	16	.103	2...	6	20866.7...	32130	1.872	1.872	1...H1-1b
14	MP3C	PIPE 2.5	.239	3.25	9	.093	.75	10	37773.8...	50715	3.596	3.596	1...H1-1b
15	MP4C	PIPE 2.0	.282	3.188	19	.106	3...	4	20866.7...	32130	1.872	1.872	1...H1-1b
16	MP2C	PIPE 2.0	.219	3.188	10	.073		2	20866.7...	32130	1.872	1.872	2...H1-1b
17	MP1C	PIPE 2.0	.254	3.188	13	.108	3...	2	20866.7...	32130	1.872	1.872	2...H1-1b
18	MP3B	PIPE 2.5	.246	3.125	4	.072		6	37773.8...	50715	3.596	3.596	1...H1-1b
19	MP4B	PIPE 2.0	.309	3.188	15	.098	3...	12	20866.7...	32130	1.872	1.872	1...H1-1b
20	MP2B	PIPE 2.0	.221	3.125	8	.072	3...	10	20866.7...	32130	1.872	1.872	1...H1-1b
21	MP1B	PIPE 2.0	.274	3.125	21	.113		10	20866.7...	32130	1.872	1.872	1...H1-1b
22	M100	PIPE 2.0	.140	2	12	.016	2	12	30625.4...	32130	1.872	1.872	1...H1-1b
23	M41	L2x2x4	.198	0	8	.019	4...y	15	11571.0...	30585.6	.691	1.457	1...H2-1
24	M1	PIPE 3.0	.122	3.25	26	.070	4.5	2	30165.1...	65205	5.749	5.749	2...H1-1b
25	M58A	PIPE 3.0	.110	10.6...	19	.070	7.5	10	30165.1...	65205	5.749	5.749	2...H1-1b
26	M91A	PIPE 3.0	.108	4.375	3	.062	7...	5	30165.1...	65205	5.749	5.749	2...H1-1b
27	M76	PL3/8x6	.247	0	8	.308	0 y	19	70677.9...	72900	.57	9.113	1...H1-1b
28	M77	PL3/8x6	.345	.167	8	.134	0 y	14	71601.7...	72900	.57	9.113	1...H1-1b
29	M84	PL3/8x6	.234	0	4	.264	0 y	19	70677.9...	72900	.57	9.113	1...H1-1b
30	M85	PL3/8x6	.360	.167	6	.149	0 y	24	71601.7...	72900	.57	9.113	1...H1-1b
31	M45	PL3/8x6	.238	0	3	.330	0 y	15	70677.9...	72900	.57	9.113	1...H1-1b

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

Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L...Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn
32	M46A	PL3/8x6	.379	.167	3	.148	0 y 21	71601.7...	72900	.57	9.113	1...	H1-1b
33	M50A	PL3/8x6	.191	.219	2	.242	0 y 15	70677.9...	72900	.57	9.113	1...	H1-1b
34	M51C	PL3/8x6	.414	.167	2	.129	0 y 20	71601.7...	72900	.57	9.113	1...	H1-1b
35	M78	PL3/8x6	.175	.219	10	.229	0 y 22	70677.9...	72900	.57	9.113	1...	H1-1b
36	M79A	PL3/8x6	.393	.167	10	.125	0 y 16	71601.7...	72900	.57	9.113	1...	H1-1b
37	M83A	PL3/8x6	.238	0	12	.294	0 y 23	70677.9...	72900	.57	9.113	1...	H1-1b
38	M84A	PL3/8x6	.326	.167	11	.128	0 y 17	71601.7...	72900	.57	9.113	1...	H1-1b
39	M46	PL3/8x6	.273	.516	2	.202	 y 24	36639.4...	72900	.57	9.113	1...	H1-1b
40	M80	PL3/8x6	.102	.112	2	.298	0 y 24	72311.05	72900	.57	9.113	1...	H1-1b
41	M91	PL3/8x6	.092	.112	2	.365	0 y 14	72311.05	72900	.57	9.113	1...	H1-1b
42	M37	PL3/8x6	.284	.516	9	.215	 y 22	36639.4...	72900	.57	9.113	1...	H1-1b
43	M48	PL3/8x6	.112	.112	9	.313	0 y 20	72311.05	72900	.57	9.113	1...	H1-1b
44	M53	PL3/8x6	.097	.112	9	.406	0 y 22	72311.05	72900	.57	9.113	1...	H1-1b
45	M70	PL3/8x6	.260	.516	6	.204	 y 19	36639.4...	72900	.57	9.113	1...	H1-1b
46	M81	PL3/8x6	.083	.112	5	.402	0 y 18	72311.05	72900	.57	9.113	1...	H1-1b
47	M86	PL3/8x6	.100	.112	5	.395	0 y 40	72311.05	72900	.57	9.113	1...	H1-1b
48	M91B	L2x2x4	.172	4.378	23	.021	4... z 23	11571.0...	30585.6	.691	1.448	1...	H2-1
49	M92B	L2x2x4	.187	0	4	.019	4... y 23	11571.0...	30585.6	.691	1.457	1...	H2-1
50	M93A	L2x2x4	.170	4.378	19	.021	4... z 19	11571.0...	30585.6	.691	1.448	1...	H2-1
51	M96	L2x2x4	.170	4.378	19	.021	4... y 19	11571.0...	30585.6	.691	1.448	1...	H2-1
52	M97	L2x2x4	.181	4.378	15	.023	4... z 15	11571.0...	30585.6	.691	1.448	1...	H2-1
53	M101	LL3x3x3x3	.081	5.928	13	.005	0 z 10	47259.2...	70632	5.543	3.745	1	H1-1b*
54	M102	LL3x3x3x3	.087	5.928	21	.005	5... z 6	47259.2...	70632	5.543	3.745	1	H1-1b*
55	M103A	LL3x3x3x3	.085	5.928	17	.005	5... z 8	47259.2...	70632	5.543	3.745	1	H1-1b*
56	M108	PIPE 2.5	.126	10.6...	3	.080	1...	15797.3	50715	3.596	3.596	3...	H1-1b
57	M113	PIPE 2.5	.119	3.375	17	.082	1.5	15797.3	50715	3.596	3.596	2...	H1-1b
58	M118	PIPE 2.5	.134	4.125	3	.075	1...	15797.3	50715	3.596	3.596	3...	H1-1b
59	M125	L3X3X4	.187	1.474	1	.038	1... y 6	44464.5...	46656	1.688	3.756	2...	H2-1
60	M126	L3X3X4	.207	1.474	9	.042	0 y 2	44464.5...	46656	1.688	3.756	2...	H2-1
61	M127	L3X3X4	.173	1.474	5	.041	0 y 10	44464.5...	46656	1.688	3.756	2...	H2-1



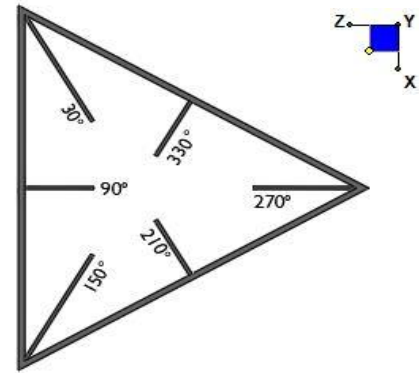
Client:	Verizon Wireless	Date:	7/6/2021
Site Name:	Rocky Hill 4 CT		
Project No.	21777941A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N3	270
N52	30
N102A	150



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):

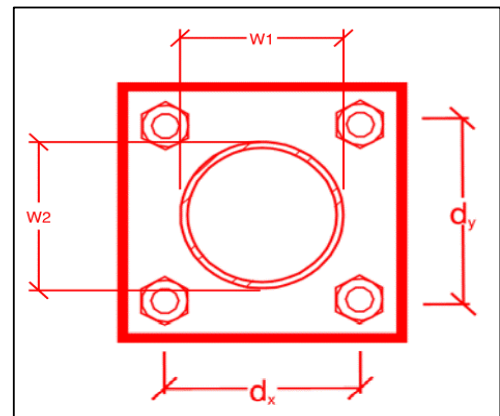
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
6
6
A325N
0.625
1.9
9.3
20.7
12.4
2.2%*
18.6%



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:

Plate Width (in):

Plate Height (in):

W1 (in):

W2 (in):

Fy (ksi, plate):

t_{plate} (in):

Weld Size (1/16 in):

ΦR_n (kip/in):

Required Weld Strength (kip/in):

Plate Bending Capacity:

Weld Capacity:

Rect
10
10
4
4
36
0.5
6
8.35
1.14
22.2%
13.7%

Max Plate Bending Strengths

Mu_{xx} (kip-in) :	0.1
$\Phi M_{n_{xx}}$ (kip-in) :	20.3
Mu_{yy} (kip-in) :	4.4
$\Phi M_{n_{yy}}$ (kip-in) :	20.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Purpose – to provide MASER CONSULTING the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide “as built drawings” showing contractor’s name, preparer’s signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact MASER CONSULTING immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to <https://pmi.vzwsmart.com> as depicted on the drawings

Photo Requirements:

- Base and “During Installation Photos”
 - Base pictures include
 - Photo of Gate Signs showing the tower owner, site name, and number
 - Photo of carrier shelter showing the carrier site name and number if available
 - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
 - “During Installation Photos if provided - must be placed only in this folder
- Photos taken at ground level
 - Overall tower structure before and after installation of the modifications
 - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

- Photos taken at Mount Elevation
 - Photos showing each individual sector before and also after installation of modifications. Each entire sector must be in one photo to show in the inter-connection of members.
 - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
 - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
 - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
 - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
 - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
 - Photos showing the safety climb wire rope above and below the mount prior to modification.
 - Photos showing the climbing facility and safety climb if present.

Material Certification:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.
- ☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.
- ☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: _____ Company _____

Name _____

Signature _____

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

Issue:

The proposed OVP shall be installed on the existing equipment pipe on the standoff arm.

Response:

--

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

7/6/2021

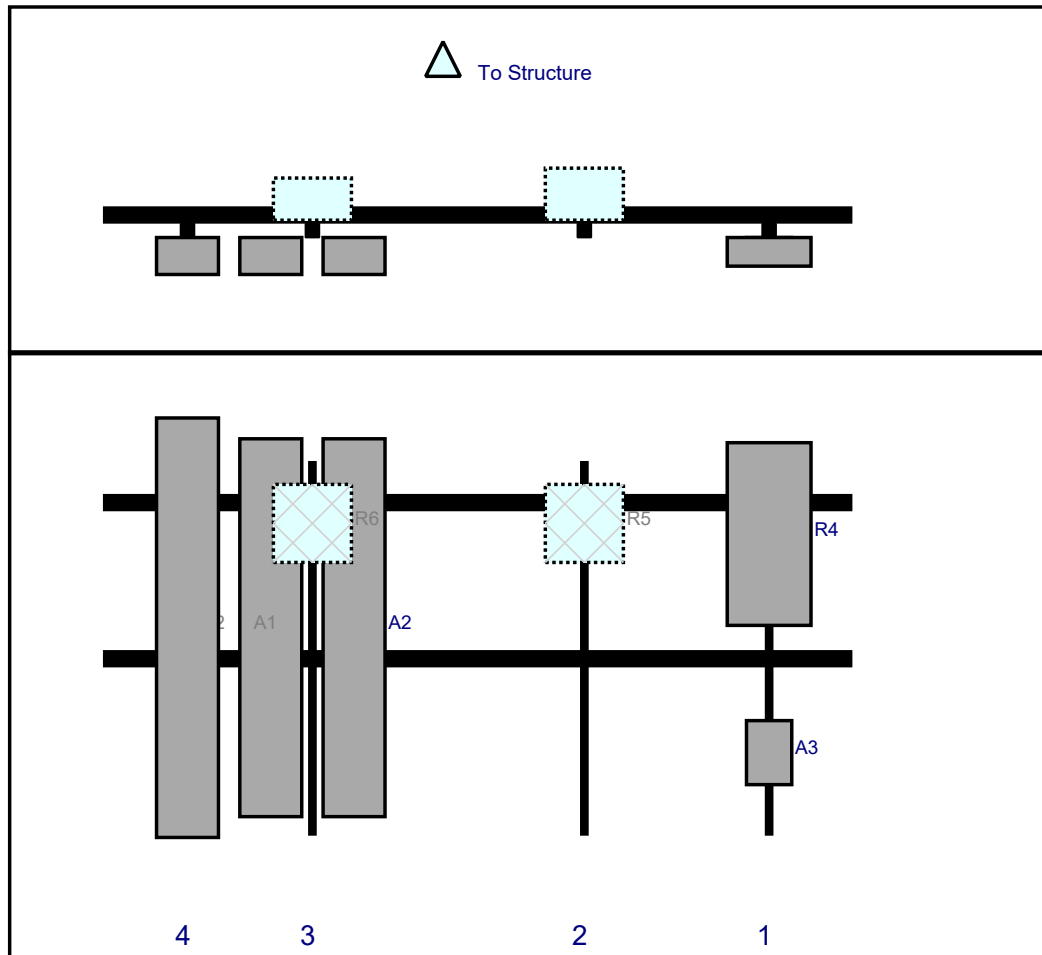
Structure Type: Self Support

10066548

Mount Elev: 89.50

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
A3	XXDWMM-12.5-65-CBRS	12.3	8.7	128	1	a	Front	56.04	0	Added	
R4	MT6407-77A	35.1	16.1	128	1	a	Front	14.04	0	Added	
R5	B2/B66A RRH-BR049	15	15	92.5	2	a	Behind	12	0	Added	
A2	SBNHH-1D65B	72.6	11.9	40.25	3	a	Front	32.04	8	Retained	05/04/2021
A2	SBNHH-1D65B	72.6	11.9	40.25	3	b	Front	32.04	-8	Retained	05/04/2021
R6	B5/B13 RRH-BR04C	15	15	40.25	3	a	Behind	12	0	Added	
A1	LNx-6514DS-A1M	80.6	11.9	16.25	4	a	Front	32.04	0	Retained	05/04/2021

Sector: B

7/6/2021

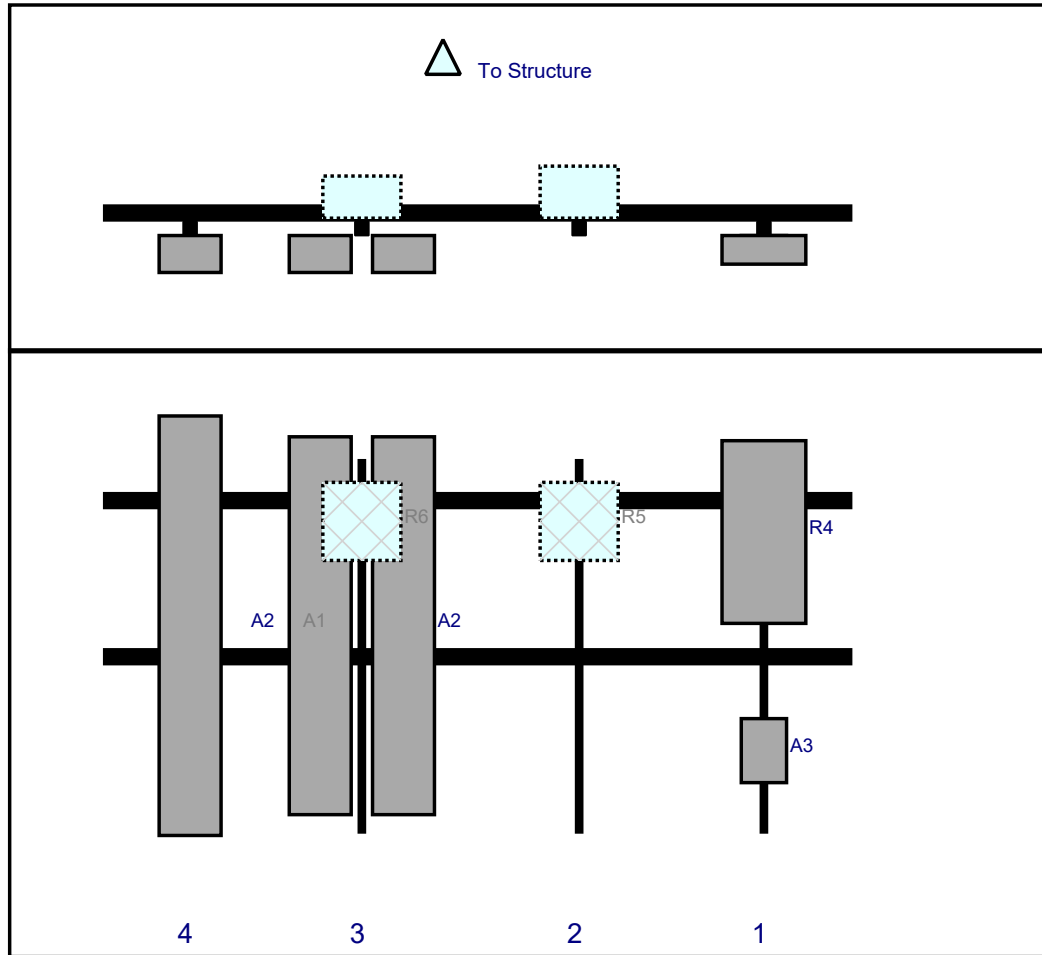
Structure Type: Self Support

10066548

Mount Elev: 89.50

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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
A3	XXDWMM-12.5-65-CBRS	12.3	8.7	127	1	a	Front	56.04	0	Added	
R4	MT6407-77A	35.1	16.1	127	1	a	Front	14.04	0	Added	
R5	B2/B66A RRH-BR049	15	15	91.5	2	a	Behind	12	0	Added	
A2	SBNHH-1D65B	72.6	11.9	49.75	3	a	Front	32.04	8	Retained	05/04/2021
A2	SBNHH-1D65B	72.6	11.9	49.75	3	b	Front	32.04	-8	Retained	05/04/2021
R6	B5/B13 RRH-BR04C	15	15	49.75	3	a	Behind	12	0	Added	
A1	LNK-6514DS-A1M	80.6	11.9	16.75	4	a	Front	32.04	0	Retained	05/04/2021

Sector: C

7/6/2021

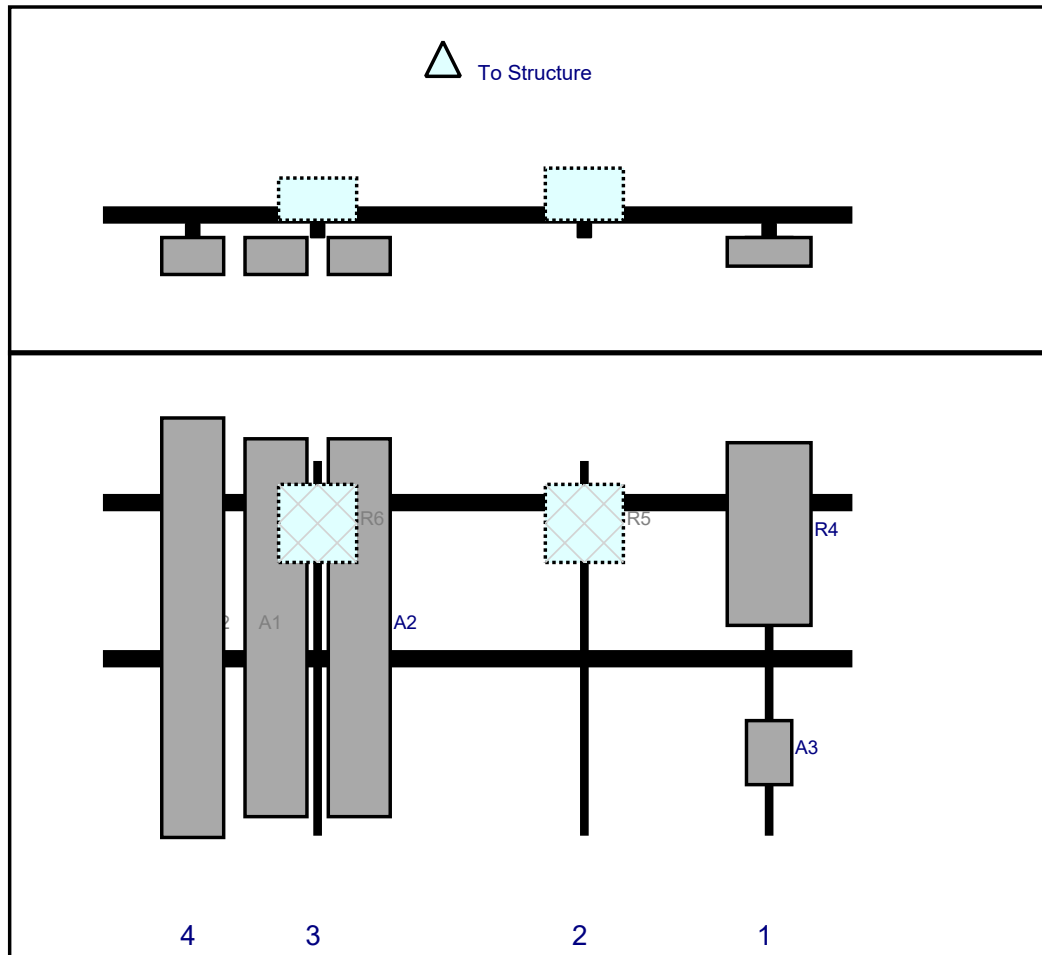
Structure Type: Self Support

10066548

Mount Elev: 89.50

Page: 3

Plan View

Front View
Looking at Structure

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	XXDWMM-12.5-65-CBRS	12.3	8.7	128	1	a	Front	56.04	0	Added	
R4	MT6407-77A	35.1	16.1	128	1	a	Front	14.04	0	Added	
R5	B2/B66A RRH-BR049	15	15	92.5	2	a	Behind	12	0	Added	
A2	SBNHH-1D65B	72.6	11.9	41.25	3	a	Front	32.04	8	Retained	05/04/2021
A2	SBNHH-1D65B	72.6	11.9	41.25	3	b	Front	32.04	-8	Retained	05/04/2021
R6	B5/B13 RRH-BR04C	15	15	41.25	3	a	Behind	12	0	Added	
A1	LNK-6514DS-A1M	80.6	11.9	17.25	4	a	Front	32.04	0	Retained	05/04/2021

Maser Consulting Connecticut

Subject

TIA-222-H Usage

Site Information

Site ID:	535833-VZW / ROCKY HILL 4 CT
Site Name:	ROCKY HILL 4 CT
Carrier Name:	Verizon Wireless
Address:	2 West Street Rocky Hill, Connecticut 06067 Hartford County
Latitude:	41.651764°
Longitude:	-72.668472°

Structure Information

Tower Type:	107-Ft Monopole
Mount Type:	12.00-Ft Platform

To Whom It May Concern,

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

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

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

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

Sincerely,



Derek Hartzell, PE
Technical Specialist