Robinson+Cole

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Also admitted in Massachusetts and New York

September 13, 2023

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

Re: Notice of Exempt Modification – Facility Modification 160 Deer Run Road, Wilton, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility at the above-referenced address (the "Property"). Cellco's facility consists of antennas and remote radio heads attached to a tower. Equipment associated with the facility is located on the ground adjacent to the tower. The tower and Cellco's use of the tower were approved by the Siting Council ("Council") in August of 2006 (Docket No. 308). A copy of the Council's Docket No. 308 Decision and Order is included in <u>Attachment 1</u>.

Cellco's proposed modification involves the installation of two (2) interference mitigation filters ("Filters") on its existing antenna platform and mounting assembly. The Filter specification sheet is included in <u>Attachment 2</u>.

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

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modification will not result in an increase in the height of the existing tower. The Filters will be installed on Cellco's existing antenna platform and mounting assembly.

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Melanie A. Bachman, Esq. September 13, 2023 Page 2

- 2. The proposed modifications will not involve any change to ground-mounted equipment and therefore, will not require the extension of the site boundary.
- 3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
- 4. The installation of Cellco's new Filters will not result in a change to radio frequency (RF) emissions from the facility. Therefore, no new RF emissions information is included in this filing.
- 5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
- 6. According to the attached Structural Analysis Report ("SA") and Antenna Mount Analysis Report ("MA"), the existing tower, foundation, antenna platform and mounting assembly can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 3.

A copy of the parcel map and Property owner information is included in <u>Attachment 4</u>. A Certificate of Mailing verifying that this filing was sent to municipal officials and the property owner is included in <u>Attachment 5</u>.

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

Sincerely,

Kenneth C. Baldwin

Enclosures

Copy to:

Lynne Vanderslice, First Selectwoman Michael Wrinn, Director of Planning and Land Use Management/Town Planner Westport Broadcasting Co., LLC Property Owner Alex Tyurin, Verizon Wireless

ATTACHMENT 1

DOCKET NO. 308 – Westport Broadcasting Co., LLC, Optasite,	}	Connecticut
Inc., and New Cingular Wireless PCS, LLC application for a		at.
Certificate of Environmental Compatibility and Public Need for	}	Siting
the construction, maintenance, and operation of a wireless		Council
telecommunications facility located at 160 Deer Run Road,	}	Council
Wilton, Connecticut.		August 31, 2006

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 telecommunications facility, 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 General Statutes § 16-50k, be issued to Westport Broadcasting Co., LLC (WBC), Optasite, Inc. (Optasite) and New Cingular Wireless PCS, LLC (New Cingular), hereinafter referred to as the Certificate Holder, for a telecommunications facility at 160 Deer Run Road, Wilton, 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 tower shall be constructed as a self-supporting lattice tower, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of New Cingular and other entities, both public and private, but such tower shall not exceed a height of 118 feet above ground level. The height at the top of the antennas shall not exceed 122 feet above ground level.
- 2. Whip antennas that are to be relocated onto the replacement structure shall be combined into shared antennas, where possible.
- 3. The Certificate Holder shall remove the existing guyed lattice tower upon commencement of operation of the 120-foot self-supporting lattice tower.
- 4. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Wilton for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
 - a. a final site plan(s) of site development to include specifications for the tower including a yield point, tower foundation, antennas, expanded equipment compound, radio equipment, placement of cables within the tower, utility line, and landscaping; and
 - construction plans for site clearing, water drainage, and erosion and sedimentation control
 consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as
 amended.
- 5. The Certificate Holder shall notify the Council, parties and intervenors in this proceeding within ten business days of receiving notice from the Connecticut Department of Environmental Protection that use of the existing access road will be terminated. At which time the Certificate Holder shall submit a D&M Plan for the new access road extending from Deer Run Road.

- 6. The Certificate Holder shall, prior to commencement of construction of the new access road, provide the Council, parties and intervenors with a D&M Plan for the new access road, including construction plans for clearing, water drainage, and erosion and sedimentation control consistent with the <u>2002</u> <u>Connecticut Guidelines for Soil Erosion and Sediment Control</u>, as amended.
- 7. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of electromagnetic radio frequency power density is submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.
- 8. Upon the establishment of any new state or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
- 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.
- 10. The Certificate Holder shall provide reasonable space on the tower for no compensation for any Town of Wilton public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.
- 11. If the facility authorized herein is not fully constructed and providing wireless services within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline.
- 12. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
- 13. The Certificate Holder shall remove any nonfunctioning antenna, and associated antenna mounting equipment, within 60 days of the date the antenna ceased to function.
- 14. Any request for extension of the time periods referred to in Conditions 7 & 8 shall be filed with the Council not later than sixty days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list. Any proposed modifications to this Decision and Order shall likewise be so served.

Docket No. 308 Decision and Order Page 3

15. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holder shall provide the Council with written notice of the completion of site construction and the commencement of site operation.

Pursuant to General Statutes § 16-50p, the Council hereby directs 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 Wilton Bulletin, The Norwalk Hour, and The Wilton Villager.

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 Connecticut State Agencies.

The parties and intervenors to this proceeding are:

Applicant

Westport Broadcasting Co., LLC Optasite, Inc. New Cingular Wireless PCS, LLC

Party

Wilton Environmental Trust

Party

Town of Wilton

Representatives

Christopher B. Fisher, Esq. Cuddy & Feder LLP 90 Maple Avenue White Plains, NY 10601

Dennis Morrissey, P.E., Esq. 3380 Main Street – Suite 201 Stratford, CT 06614

Representative

Keith R. Ainsworth, Esq. Evans Feldman & Boyer, LLC # 101240 261 Bradley Street P.O. Box 1694 New Haven, CT 06507-1694

Representatives

Carrie L. Larson, Esq. Cohen and Wolf, P.C. 1115 Broad Street Bridgeport, CT 06604

Monte E. Frank, Esq. Cohen and Wolf, P.C. 158 Deer Hill Avenue Danbury, CT 06810 Docket No. 308 Decision and Order Page 4

Intervenor

Omnipoint Communications, Inc. (T-Mobile USA, Inc.)

Intervenor

Cellco Partnership d/b/a Verizon Wireless (Cellco)

Representative

Kenneth Ira Spigle 687 Highland Avenue, Suite 1 Needham, MA 02494

Representative

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

ATTACHMENT 2



BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The BSF0020 is ideal for co-located 700, 850 and 900 networks, Utilising a 2.6MHz guardband the BSF0020 provides rejection of the 900 UL band while passing 700/850 UL and DL bands, Capable of being used in an outdoor environment the BSF0020 contains two identical bandstop filters, suitable for 2x2 MIMO configuration, offering excellent insertion loss, group delay and rejection.

FEATURES

- Passes full 700 and 850 bands
- Low insertion loss
- · Rejection of 900MHz uplink
- DC/AISG pass
- Twin unit
- Dual twin mounting available



TECHNICAL SPECIFICATIONS

BANS NAME	708 PATH / 850 SPLINK POTH	850 DOWNLINK PATH		
Passband	698 - 849MHz	869 - 891.5MHz		
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum		
Return loss	24dB typical,	18dB minimum		
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz		
Rejection	53dB minimum @	894_1 - 896_5MHz		
ELECTRICAL				
Impedance		Dhms		
Intermodulation products	-160dBc maximum in UL Band (assumin -153dBc maximu	g 20MHz Signal), with 2 x 43dBm carriers m with 2 x 43dBm		
DC / AISG				
Passband	0 - 1	3MHz		
Insertion loss	0.3dB r	maximum		
Return loss	15dB r	ninimun:		
Input voltage range	± 33V			
DC current rating	2A continuous, 4A peak			
Compliance	3GPP TS 25.461			
ENVIRONMENTAL				
For further details of environmental co				
Temperature range	-20°C to ÷60°C	; -4°F to +140°F		
Ingress protection		267		
Altitude		8530ft		
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 - Unit	must be terminated with some lightning protection circuits		
MTBF	>1,000,0	000 hours		
Compliance	ETSI EN 300 019 class 4.1H	, RoHS, NEBS GR-487-CORE		
MECHANICAL				
Dimensions H x D x W	269 x 277 x 80mm 10.60 x 10.90 x 3.1	5in (Excluding brackets and connectors)		
Weight	8.0 kg 17.6 ll	bs (no bracket)		
Finish	Powder coated, lig	nt grey (RAL7035)		
Connectors		10 (F) x 4		
Mounting	Optional pole/wall bracket supplied with two metal clamps inform	45-178mm diameter poles or custom bracket. See orderi nation.		

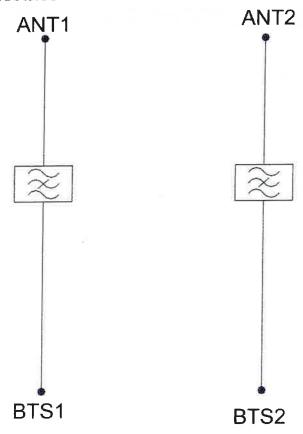


ORDERING INFORMATION

ORDERING INFORMA	GONFIGURATION	OPTIONAL FEATURES	BONNECTORS
BSF0020F3V1	TWIN, 2 in / 2 out	DC/AISG PASS NO BRACKET	4.3-10 (F)
	TWIN, 2 in / 2 out	DC/AISG PASS	4,3-10 (F)
BSF0020F3V1-1		DC/AISG PASS	4.3-10 (F)
BSF0020F3V1-2	QUAD, 4 in / 4 out	DC/AIGCT AGG	

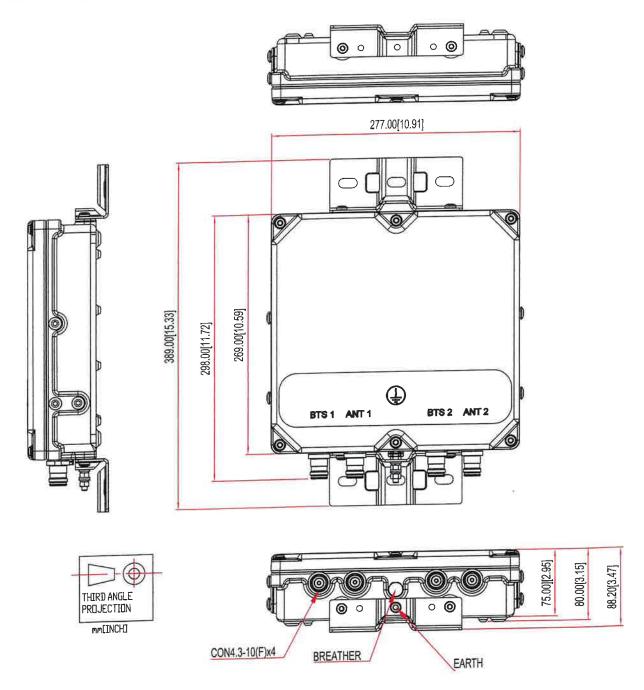


ELECTRICAL BLOCK DIAGRAM





MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3



Structural Analysis for SBA Network Services, LLC

120.0' Self-Support Tower w/ 10' Future Extension

Site Name: Wilton CT - Optasite Site ID: CT98078-L-03 Verizon Site Name: Wilton West CT

Verizon Site ID: 5000382880

Site Address: 160 Deer Run Rd, Wilton, CT 06897

FDH Infrastructure Services, LLC Project Number PR-009478

Analysis Results

	/ life Old Locality	
Tower Components	82.9%	Sufficient
		Sufficient
Foundation	39.1%	Julioletic

Prepared By:

Hailey Hipp, PE Project Engineer III Reviewed By:

Krystyn M. Perez, PE Vice President, Structural Engineering CT License No. 32975

FDH Infrastructure Services, LLC

6521 Meridien Drive Raleigh, NC, 27616 (919) 755-1012 Structural@fdh-is.com

September 05, 2023



Prepared pursuant to the ANSI/TIA-222-H Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures and the 2022 Connecticut State Building Code (2021 IBC)

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EXECUTIVE SUMMARY

At the request of SBA Network Services, LLC, FDH Infrastructure Services, LLC performed a structural analysis of the existing 120' Self-Support Tower w/ 10' Future Extension located in Wilton, CT to determine whether the tower is structurally adequate to support the antenna configuration in place per Table 1 pursuant to the ANSI/TIA-222-H Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures and the 2022 Connecticut State Building Code (2021 IBC). Information pertaining to the antenna loading, current tower geometry, member sizes, and below grade parameters was obtained from:

Source	Document Type	Reference	Date
World Tower	Tower & Foundation Drawings	Drawing No. Q06515	October 16, 2006
JGI Eastern, Inc.	Geotechnical Report	Project No. 06517G	August 31, 2006
FDH Infrastructure Services, LLC	Tower Mapping Report	Project No. 18TBQN1500	December 12, 2018
FDH Infrastructure Services, LLC	Previous Structural Analysis	Project No. PR-007866 (R.1)	June 6, 2022
Pyramid Network Services, LLC	Construction Drawings	Site Name: Deer Run	September 27, 202
FDH Infrastructure Services, LLC	Mount Analysis	Project No. PR-009159	December 27, 2022
Colliers Engineering & Design	Mount Analysis	Project No. 23777160	July 23, 2023
FDH Infrastructure Services, LLC	Modification Design Drawings	Project No. PR-009191	January 27, 2023
SBA Network Services, LLC	Collocation Application	Application No. 234014, v1	August 3, 2023
ODA HOMON SOLVES	SBA Network Services, L	LC	

The ultimate design wind speed per the ANSI/TIA-222-H Standard is 116 mph without ice and a basic design wind speed of 50 mph with 1" radial ice. Ice is considered to increase in thickness with height. Furthermore, this structure was analyzed as a Class II structure in Exposure Category B using Topographical Factor of 1 and Spectral Response Accelerations of S_s= 0.243 and S₁= 0.057. This evaluation considers the load modification factors in Annex S of TIA-222-H.

Conclusions

With the antenna configuration in place per Table 1 we have determined the tower stress level to be sufficient and the foundation(s) to be sufficient pursuant to the requirements stipulated by ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures and the 2022 Connecticut State Building Code (2021 IBC) provided the Recommendations listed below are satisfied. For a more detailed description of the analysis of the tower, see the Results section of this report.

Our structural analysis has been performed assuming all information provided to FDH Infrastructure Services, LLC is accurate (i.e., the structure member information, tower layout, existing antenna loading, and proposed antenna loading) and that the tower has been properly erected and maintained per the original design drawings.

Recommendations

To ensure the requirements of the current analysis standards are met with the antenna configuration in place per Table 1, we have the following recommendations:

- 1. Feed lines to be installed as shown in Figure 1 in the Appendix.
- 2. RRU/RRH Stipulation: The equipment may be installed in any arrangement as determined by the client.
- 3. Modifications listed in the FDH Infrastructure Services, LLC Modification Drawings for a 130' Self-Support Tower (FDH-IS Project No. PR-009191) dated January 27, 2023 must be properly installed per the referenced drawings for this analysis to be considered valid.

APPURTENANCE LISTING

The antennas and equipment, with their corresponding feed lines, considered for this analysis are shown in **Table 1**. If the actual layout determined in the field deviates from the layout, FDH Infrastructure Services, LLC should be contacted to perform a revised analysis.

Table 1 - Appurtenance Loading

Existing Loading:

Anlenna Elevation (ft)	Description	Feed Lines	Carrier	Mount Elevation (ft)	Mount Type
130.0	(3) RFI BPA7496-180-14 (1) TXRX 432F-83W-01-T	(3) 1-5/8" (1) 1/2"	Town of Wilton	128.0	(1) 12.5' Sector Frame [Site Pro 1 P/N: VFA12-SD-S]
	(2) 3" Ø x 12'Omni	(2) 7/8"		120.0	(2) 6'Side Arm [Site Pro 1 P/N: PSA6]
123.0	(1) Commscope VHLP3-11W	(1) EW90	Town of Wilton	123.0	(1) Pipe Mount
118.0	(3) Ericsson AIR6449 B41 (3) Ericsson AIR32 KRD901146-1_B66A_B2A (Octo) (3) RFS APXVAALL24-43-U-NA20 (3) Commscope SDX1926Q-43 (E14F05P86) (3) Ericsson KRY 112 71 (3) Ericsson Radio 4449 B71+B85 (3) Ericsson Radio 4415 B25	(7) 1-5/8" (6) Fiber	T-Mobile	118.0	(3) Sector Mounts [Sitepro1 P/N: VFA12-HD]
110.0	(3) Powerwave 7770 (3) Kathrein 800-10965 (3) Powerwave P65-16-XLH-RR (3) CCI OPA65R-BU6DA (6) Powerwave LGP 21401 (3) Powerwave TT19-08BP111-001 (3) Ericsson RRUS-11 (3) Ericsson RRUS 4478 B5 (3) Ericsson RRUS 4415 B25 (3) Ericsson RRUS 4478 B14 (2) Raycap DC6-48-60-18-8F	(12) 1-5/8" (4) 3/4" DC (2) 3/8" Fiber (2) 3/8" Alarm Cables (1) 3" Flex	AT&T	110.0	(3) 12' Sector Mounts [Sabre P/N: C10857001C]
98.0	(3) Amphenol BXA-80090/8 (6) JMA MX06FRO660-03 (3) Samsung MT6407-77A (3) Samsung RF4440d-13A (3) Samsung RF4439d-25A (2) Raycap RRFDC-3315-PF-48	(6) 1-5/8" (2) Hybrid	Verizon	96.0	(3) 10'x2' T-Frames
57.0	(1) Scala PR-850	(1) 7/8"		57.0	Direct
JI .U	(1) Scala PR-850		Contact		
51.0	(1) Scala PR-850	(2) 7/8"	Sprint	55.0	(1) 1.9"x9.8' Pipe Mount

Proposed Carrier Final Loading:

Antenna Elevation (ft)	Description	Feed Lines	Carrier	Mount Elevation (ft)	Mount Type
98.0	(3) Amphenol BXA-80090/8 (6) JMA MX06FRO660-03 (3) Samsung MT6407-77A (3) Samsung RF4440d-13A (3) Samsung RF4439d-25A (2) Raycap RRFDC-3315-PF-48 (2) Kaelus KA-6030	(6) 1-5/8" (2) Hybrid	Verizon	96.0	(3) 10'x2' T-Frames

STR-RPT-10100

RESULTS

The following material grades for individual members were used for analysis:

Table 2 - Material Grade

Member Type	Material Grade
Legs	A572-50
Bracing	A36 & A572-50
Anchor Rods	A449

Table 3 and **Table 4** display the summary of capacities for the analyzed structure and its additional components. Values greater than 100% indicate locations where the maximum force in the member exceeds its capacity. **Table 5** displays the maximum dish rotations at service winds speeds.

If the assumptions outlined in this report differ from actual field conditions, FDH Infrastructure Services, LLC should be contacted to perform a revised analysis. Furthermore, as no information pertaining to the allowable twist and sway requirements for the appurtenances was provided, deflection and rotation were not taken into consideration when performing this analysis.

See the Appendix for detailed modeling information.

Table 3 - Structure Member Capacities

Section No	Elevation (ft.)	Component Type	Size	% Capacity [†]	Pass / Fai
T1	130 - 120	Leg	1 3/4	13.1	Pass
T2	120 - 115	Leg	1 3/4	24.1	Pass
T3	115 - 110	Leg	1 3/4	45.6	Pass
T4	110 - 105	Leg	1 3/4	76.8	Pass
T5	105 - 100	Leg	1 3/4	41.4	Pass
T6	100 - 80	Leg	2 1/2	75.4	Pass
T7	80 - 60	Leg	2 3/4	77.7	Pass
T8	60 - 40	Leg	3	76.4	Pass
T9	40 - 20	Leg	3 1/4	72.6	Pass
T10	20 - 0	Leg	3 1/2	67.2	Pass
T1	130 - 120	Diagonal	L2x2x1/4	7.2 12.7 (b)	Pass
T2	120 - 115	Diagonal	L2x2x3/16	13.5 28.7 (b)	Pass
Т3	115 - 110	Diagonal	L2x2x3/16	18.3 36.9 (b)	Pass
T4	110 - 105	Diagonal	L2x2x3/16	26.3 54.0 (b)	Pass
T5	105 - 100	Diagonal	L2x2x3/16	28.4 57.3 (b)	Pass
T6	100 - 80	Diagonal	L2x2x3/16	45.0 82.9 (b)	Pass
Т7	80 - 60	Diagonal	L2x2x3/16	32.1 55.0 (b)	Pass
Т8	60 - 40	Diagonal	L2x2x3/16	46.1 54.1 (b)	Pass
Т9	40 - 20	Diagonal	L3x3x1/4	28.8 45.9 (b)	Pass
T10	20 - 0	Diagonal	L3x3x1/4	32.3 43.0 (b)	Pass
T5	105 - 100	Secondary Horizontal	L2x2x1/4	2.3 5.7 (b)	Pass

Section No	Elevation (ft.)	Component Type	Size	% Capacity ¹	Pass / Fail
Т9	40 - 20	Secondary Horizontal	L2x2x1/8	48.4 63.1 (b)	Pass
T10	20 - 0	Secondary Horizontal	L2x2x1/8	70.9	Pass
T1	130 - 120	Top Girt	L2x2x1/4	1.3	Pass
T2	120 - 115	Top Girt	L2x2x1/8	9.7 11.6 (b)	Pass
T7	80 - 60	Top Girt	L2x2x1/8	35.0 42.6 (b)	Pass

Seismic loads do not control the section capacities.

Table 4 - Additional Structure Component Capacities

Elevation (ft)	Component	% Capacity	Pass / Fail	Notes
0	Anchor Rods	54.6	Pass	1
0	Base Foundation (Soil Interaction)	39.1	Pass	1
0	Base Foundation (Structural)	34.4	Pass	1

Seismic loads do not control the section capacities.

Table 5 - Maximum Dish Rotations at Service Wind Speeds

Centerline Elevation (ft.)	Dish	Tilt (deg)*	Twist (deg)*
123.0	(1) Commscope VHLP3-11W	0,2371	0.0667
57.0	(2) Scala PR-850	0.1129	0.0226
51.0	(1) Scala PR-850	0.0986	0.0183

^{*}Allowable tilt and twist to be reviewed by the carrier

GENERAL COMMENTS

This engineering analysis is based upon the theoretical capacity of the structure. It is not a condition assessment of the tower and its foundation. It is the responsibility of SBA Network Services, LLC to verify that the tower modeled and analyzed is the correct structure (with accurate antenna loading information) modeled. If there are substantial modifications to be made or the assumptions made in this analysis are not accurate, FDH Infrastructure Services, LLC should be notified immediately to perform a revised analysis.

LIMITATIONS

All opinions and conclusions are considered accurate to a reasonable degree of engineering certainty based upon the evidence available at the time of this report. All opinions and conclusions are subject to revision based upon receipt of new or additional/updated information. All services are provided exercising a level of care and diligence equivalent to the standard and care of our profession. No other warranty or guarantee, expressed or implied, is offered. Our services are confidential in nature and we will not release this report to any other party without the client's consent. The use of this engineering work is limited to the express purpose for which it was commissioned and it may not be reused, copied, or distributed for any other purpose without the written consent of FDH Infrastructure Services, LLC.

STR-RPT-10100

APPENDIX

STR-RPT-10100 7

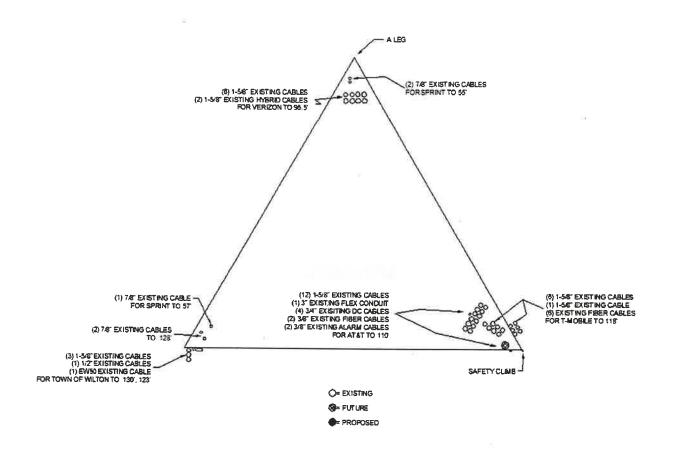
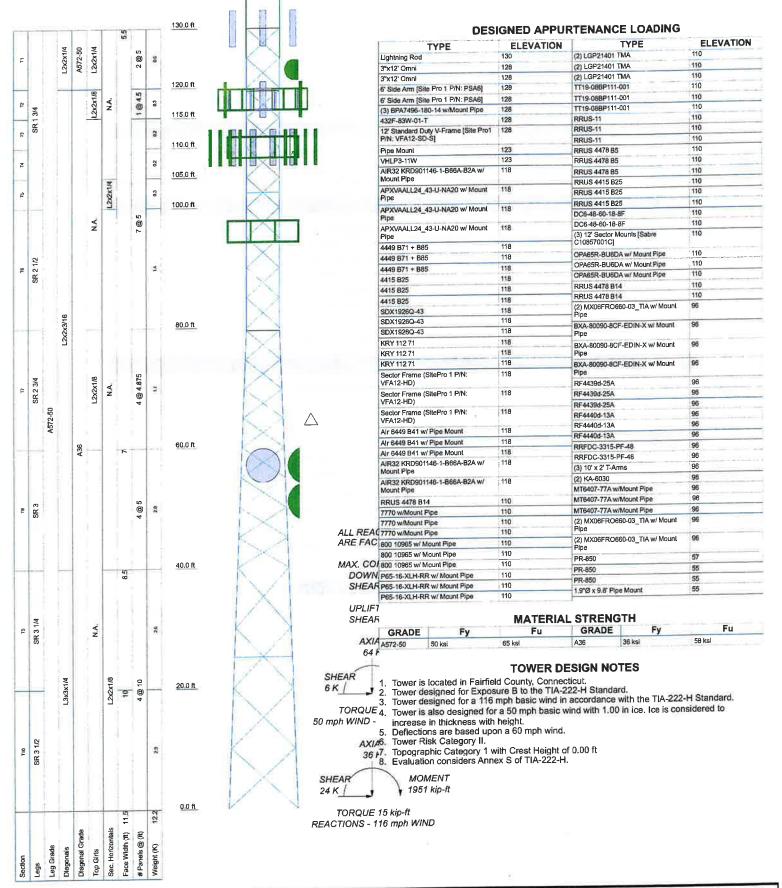


Figure 1- Assumed Feed Line Layout



F	DH Infrastructure Services, LLO	CT98078-L	03_ Wilton CT - 0	ptasite		
INFRASTRUCTURE	6521 Meridien Drive	Project PR-009478				
SERVICES	00=1	Client: SBA	Drawn by: Hailey Hipp	App'd:		
THE PROPERTY INVESTIGATION	Raleigh, North Carolina 27616	Code: TIA-222-H	Date: 09/05/23	Scale: NTS		
FDH-IS	Phone: (919) /55-1012	Path:		Dwg No. E-		

BU:		Structure:	А
WO: Order:		Rev:	
Location	تنظيدات		
Decimal Degrees Lat: 41.241389 +	Deg 41	Min	Sec
Long: -73.469889	73	14 28	29.00 11.60
5		20	11.00
Code and Site Par	ameters		
Salauria Paris - Calla	TIA COO II	7	
Seismic Design Code: Site Soil:	TIA-222-H D (Default)	Default	
Risk Category:	U (Default)	Default	
Misic Category.		_	
USGS Seismic Reference S _s :	0.2430	g	
S ₁ :	0.0570	g	
T _L :	6	s	
		_	
Seismic Design Category	Determination		
Importance Factor, I _e :	1	1	
Acceleration-based site coefficient, Fa:	1.6000	-	
Velocity-based site coefficient, Fv:	2.4000	-	
velocity based site coefficient, Ty.	2.4000	J	
Design spectral response acceleration short period, S _{DS} ;	0.2592] g	
Design spectral response acceleration 1 s period, S _{D1} :	0.0912	g	
_		-	
Seismic Design Category Based on S _{DS} :	В		
Seismic Design Category Based on S _{D1} :	В		
		1	
Seismic Design Category Based on S ₁ :	N/A		
Seismic Design Category Based on S ₁ : Controlling Seismic Design Category:	N/A	1	

BU: Wo:		}	Structure: A
Order:			Rev:
Tower De	ails		100 1000
Tower Type: Height, h: Effective Seismic Weight, W: Amplification Factor, A _s :	Self-Support 130 29.69 1.0	ft kips	2.7.8.1
Seismic Base	Shear		
		_	
Response Modification Factor, R:	3		
w _a .	7.3462	ft	
W_0 :	11.5000	ft	
W ₁ :	16,5694	kips	
Weight of Structure and Appurtenances within top 5%, W ₂ :	1.2467	kips	
K_{i} :	4540	ft	
F _a :	1.9032	hz	
Approximate Fundamental Period Self-Support, T _a	0.5254	s	2.7.7.1.3.2
	0.0054	7	2.7.7.1.1
Seismic Response Coefficient, C.	0.0864	4	2.7.7.1.1
Seismic Response Coefficient Max 1, C _{smax}	0.0579	-	2.7.7.1.1
Seismic Response Coefficient Max 2, C _{smax}	N/A 0.0300	-	2,7.7.1.1
Seismic Response Coefficient Min 1, C _{smin}	N/A	-	2.7.7.1.1
Seismic Response Coefficient Min 2, C _{smin}	0.0579	-	4.11.7.4.4
Controlling Seismic Response Coefficient, C _{se}	0.0575		
Seismic Base Shear, V	1.718	kips	2.7.7.1.1
Vertical Distribut	ion Factors		
Period Related Exponent, k: Sum of w _i h _i ^k	1.013 2373.72		2,7.7.1.2 2.7.7 ₁ ,2

				With New York stone				
Section Number	Length	Too Height	Mid Height, h,	Section Weight w	w.h.*	Ć,	Ē.	Ēw
1	10.00	130.00	125.00	0.5829	77.48	0.0326	0.0561	0.0302
2	5.00	120.00	117.50	0.2537	31.67	0.0133	0.0229	0.0132
3	5.00	115.00	112.50	0.2313	27.63	0.0116	0.0200	0.0120
4	5.00	110.00	107.50	0.2313	26.39	0.0111	0.0191	0.0120
5	5.00	105.00	102.50	0.2839	30.87	0.0130	0.0223	0.0147
6	20.00	100.00	90.00	1.4362	136.88	0.0577	0.0991	0.0745
7	20.00	80.00	70.00	1.7052	125.99	0.0531	0.0912	0.0884
8	20.00	60,00	50.00	1,9833	104.22	0.0439	0.0754	0.1028
9	20.00	40.00	30.00	2.5879	81.07	0.0342	0.0587	0.1342
10	20.00	20.00	10.00	2.9359	30.23	0.0127	0.0219	0.1522
			Sum	12.2715	F0.40			

Analysis Date: 9/5/2023

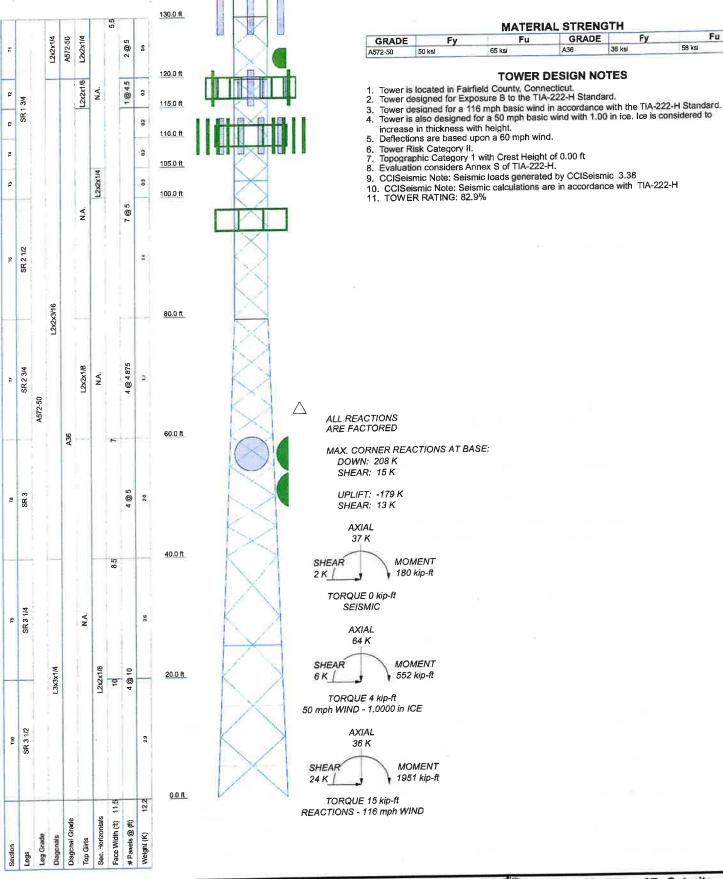
	Discrete Lond	9)				
Name	H _{es}	w,	w.h.*	c"	E _N	Fav
lightning rod Lightning Rod	130.00	0.0300	4.15 4.08	0.0017	0.0030	0.0016
omni 3"x12' Omni omni 3"x12' Omni	128.00	0.0300	4.08	9.0017	0.0030	0.0016
6' Side Arm (Site Pro 1 P/N: PSA6)	128.00	0.0530	7,22	0,0030	0.0052	0.0027
6' Side Arm [Site Pro 1 P/N PSA6]	128,00	0.0530	7.22	0.0030	0.0052	0.0027
ericsson Air 6449 B41 w/ Pipe Mount	118.00 118.00	0.1000 0.1000	12.54 12.54	0.0053	0.0091	0.0052
ericsson Air 6449 B41 w/ Pipe Mount ericsson Air 6449 B41 w/ Pipe Mount	118,00	0,1000	12,54	0,0053	0,0091	0_0052
AIR32 KR0901146-1-866A-B2A w/ Mount Pipe	118.00	0.1500	18.81	0.0079	0.0136	0.0078
AIR32 KRD901146-1-866A-B2A w/ Mount Pipe	118.00	0,1500 0,1500	18.81 18.81	0,0079 0.0079	0.0136 0.0136	0,0078
AIR32 KR0901146-1-866A-82A w/ Mount Pipe	118.00 118.00	0.1862	23,34	0.0098	0.0169	0.0097
APXVAALL24 43-U-NA20 w/ Mount Pipe APXVAALL24 43-U-NA20 w/ Mount Pipe	118.00	0.1862	23.34	0.0098	0.0169	0.0097
APXVAALL24 43-U-NA20 w/ Mount Pipe	118.00	0,1862	23,34	0,0098	0,0169	0,0097
4449 871 + 885	118.00	0.0700 0.0700	8.78 8,78	0.0037	0.0064	0.0036 0.0036
4449 B71 + 885	118,00	0.0700	8.7B	0.0037	0.0054	0.0036
4449 871 + 885 ericsson 4415 825	118.00	0,0600	7,52	0,0032	0,0054	0,0031
ericsson 4415-825	118.00	0.0600	7.52	0.0032	0.0054	0.0031
ericsson 4415 B25	118,00	0,0600	7,52 0.76	0,0032	0.0054	0.0031
commscope SDX1926Q-43	118.00 118.00	0.0061 0.0061	0.76	0.0003	0.0006	0.0003
commscope SDX1926Q-43	118.00	0.0061	0.76	0.0003	0.0006	0.0003
ericsson KRY 112 71	118.00	0,0200	2,51	0,0011	0.0018	0.0010
ericsson KRY 112-71	118.00	0.0200	2.51	0.0011	0:0018 0:0018	0.0010
ericsson KRY 112 71	118.00	0,0200 0.6580	2,51 82.50	0.0348	0.0018	0.0341
Sector Frame (SitePro 1 P/N: VFA12-HD) Sector Frame (SitePro 1 P/N: VFA12-HD)	118.00	0.6580	82.50	0.0348	0.0597	0.0341
Sector Frame (SitePro 1 P/N: VFA12-HD)	118.00	0.6580	82,50	0.0348	0.0597	0.0341
OPA65R-BU6DA w/ Mount Pipe	110,00	0.0889	10.38	0.0044	0,0075	0.0046
OPA65R-BU6DA w/ Mount Pipe	110.00	0.0889	10.38	0.0044	0.0075	0.0046
OPA65R-BU6DA w/ Mount Pipe	110.00	0.0600	7.01	0.0030	0.0051	0.0031
ericsson RRUS 4478 B14 ericsson RRUS 4478 B14	110.00	0.0600	7,01	0,0030	0,0051	0.0031
ericsson RRUS 4478 814	110.00	0.0800	7.01	0.0036	0.0051	0.0031
powerwave 7770 w/Mount Pipe	110.00	0.0700	8,17 8.17	0,0034	0.0059 0.0059	0,0036
powerwave 7770 w/Mount Pipe	110.00 110.00	0.0700	8,17	0.0034	0.0059	0.0036
powerwave 7770 w/Mount Pipe kathrein 800 10965 w/ Mount Pipe	110.00	0.1400	16.35	0.0059	0.0118	0.0073
kathrein 800 10965 w/ Mount Pipe	110.00	0.1400	16,35	0,0069	0.0118	0.0073
kathrein 800 10965 w/ Mount Pipe	110.00	0.1400	16.35 9.34	0.0069	0.0118	0.0073
powerwave P65-16-XLH-RR w/ Mount Pipe	110.00	0.0800	9.34	0.0039	0.0068	0.0041
powerwave P65-16-XLH-RR w/ Mount Pipe powerwave P65-16-XLH-RR w/ Mount Pipe	110.00	0.0800	9,34	0,0039	0_0068	0.0041
(2) powerwave LGP21401 TMA	110.00	0.0400	4,67	0.0020	0.0034	0.0021
(2) powerwave LGP21401 TMA	110,00	0.0400	4,67	0.0020	0.0034	0.0021
(2) powerwave LGP21401 TMA	110.00 110.00	0.0400 0.0200	2,34	0.0020	0.0017	0.0010
powerwave TT19-088P111-001 powerwave TT19-088P111-001	110.00	0.0200	2.34	0.0010	0.0017	0.0010
powerwave TT19-088P111-001	110.00	0.0200	2,34	0,0010	0.0017	0.0010
ericsson RRUS-11	110.00	0.0600	7.01	0.0030	0.0051 0.0051	0.0031
ericsson RRUS-11	110.00	0.0600	7,01 7.01	0.0030	0.0051	0.0031
ericsson RRUS-11 ericsson RRUS-4478 B5	110.00	0.0600	7.01	0,0030	0,0051	0.0031
encsson RRUS 4478 B5 encsson RRUS 4478 B5	110.00	0.0500	7.01	0.0030	0.0051	0.0031
ericsson RRUS 4478 BS	110,00	0.0600	7,01	0,0030	0.0051	0,0031
ericsson RRUS 4415 B25	110.00 110.00	0.0400	4.67	0.0020	0.0034	0.0021
ericsson RRUS 4415 B25 ericsson RRUS 4415 B25	110.00	0.0400	4,67	0.0020	0.0034	0.0021
raycap DC6-48-60-18-8F	110.00	0.0300	3,50	0.0015	0,0025	0.0016
raycap DC6-48-60-18-8F	110.00	0.0300	3.50	0.0015	0.0025 0.1268	0.0016 0.0778
(3) 12' Sector Mounts [Sabre C10857001C]	110.00	1.5000 0.1100	175.17	0.0738	0.1268	0.0778
samsung MT6407-77A w/Mount Pipe	96.00 96.00	0.1100	11.19	0.0047	0.0081	0.0057
samsung MT6407-77A w/Mount Pipe samsung MT6407-77A w/Mount Pipe	96.00	0.1100	11.19	0.0047	0.0081	0.0057
[2] Ima wireless MX06FRO660-03_TIA w/ Mount Pipe	96.00	0,2000	20,35	0.0086	0,0147	0.0104
(2) jma wireless MX06FRO560-03_TIA w/ Mount Pipe	96.00	0.2000	20.35	0.0086	0.0147 0.0147	0.0104
(2) jma wireless MX06FRO660-03_TIA w/ Mount Pipe	96.00 96.00	0,2000	20,35 6.10	0.0026	0.0147	0.0031
antel 8XA-80090-8CF-EDIN-X w/ Mount Pipe antel 8XA-80090-8CF-EDIN-X w/ Mount Pipe	96.00	0.0600	6.10	0,0026	0.0044	0.0031
antel BXA-80090-8CF-EDIN-X w/ Mount Pipe	95.00	0.0600	6.10	0.0026	0.0044	0.0031
samsung RF4439d-25A	96,00	0.0700	7.12	0.0030	0.0052	0,0036
samsung RF4439d-25A	96.00	0.0700 0.0700	7.12 7,12	0.0030	0.0052	0.0036
samsung RF4439d-25A	96.00 96.00	0.0700	7,12	0.0030	0.0052	0.0036
samsung RF4440d-13A samsung RF4440d-13A		0.0700	7,12	0,0030	0.0052	0.0036
	96,00					
	96,00 96.00	0.0700	7.12	0.0030	0.0052	0.0036
samsung RF44400/13A raycap RRDC-3315-PF-48	96.00 96.00	0.0700 0.0300	3,05	0,0013	0.0022	-0.0016
samsung RF4440d-13A	96.00	0.0700				

1.9"Ø x 9.8' Pipe Mount	55.00	0.0200	1.16	0.0005	0.0008	0.0010
3) rfl antennas BPA7496-180-14 w/Mount Pipe	128.00	0.2100	28.59	0.0120	0.0207	0.0109
432F-83W-01-T	128.00	0.0100	1.36	0.0006	0.0010	0.0005
12' Standard Duty V-Frame [Site Pro1 P/N: VFA12-5D-5]	128.00	0.4300	58,54	0.0247	0.0424	0.0223
Pipe Mount	123.00	0.0400	5.23	0.0022	0.0038	0.0021
cala PR-850	57.00	0.0400	2.40	0.0010	0.0017	6.0021
cala PR-850	55.00	0.0400	2.32	0.0010	0.0017	0.0021
cala PR-850	55.00	0.0400	2.32	0.0010	0.0017	0.0021
commiscape VHLP3-11W	123.00	0.0500	6.54	0.0028	0.0047	0.0026
	Sum	11 23 M	100 100			

		Linear Trads			"			
Name	Start Height	End Height	h	w,	w _s h _s ,	ć.,	F _{ab}	F.,
miscl Safety Une 3/8 From 0 to 118	115.00	118.00	116.50	0.0007	0.08	0.0000	0.0001	0.0000
miscl Safety Line 3/8 From 0 to 118	110.00 105.00	115,00 110.00	112,50 107,50	0.0011	0.13	0.0001	9.0001	0.0001
miscl Safety Une 3/8 From 0 to 118 miscl Safety Line 3/8 From 0 to 118	100,00	105.00	102,50	0,0011	0.12	0,0001	0.0001	0.0001
miscl Safety Line 3/8 From 0 to 118	80.00	100.00	90.00	0.0044	0.42	0.0002	0.0003	0.0002
miscl Safety Line 3/8 From 0 to 118	60.00	80.00	70.00	0.0044	0.33	0,0001	0.0002	0.0002
miscl Safety Line 3/8 From 0 to 118	40.00	60:00 40.00	50.00 30.00	0.0044	0.23	0.0001	0.0001	0,0002
miscl Safety Line 3/8 From 0 to 118	20,00 9.00	20.00	10.00	0.0044	0.05	0.0000	0.0000	0.0002
miscl Safety Unit 3/8 From 0 to 118 (7) 1-5/8" From 0 to 118	115.00	118,00	116.50	0.0172	2.13	0,0009	0.0015	0.0009
(7) 1-5/8" From 0 to 118	110.00	115.00	112.50	0.0287	3.43	0.0014	0.0025	0.0015
(7) 1-5/8" From 0 to 118	105.00	110.00	107.50	0.0287	3.27	0.0014	0.0024	0.0015
(7) 1-5/8" From 0 to 118	100.00 80.00	105.00	102.50 90.00	0.1148	10.94	0.0046	0.0079	0.0060
(7) 1-5/8" From 0 to 118	60.00	80,00	70.00	0.1148	8.48	0.0036	0.0061	0.0050
(7) 1-5/8" From 0 to 118 (7) 1-5/8" From 0 to 118	40,00	60.00	50.00	0.1148	6.03	0.0025	0,0044	0.0060
(7) 1-5/8° From 0 to 118	20.00	40.00	30.00	0.1148	3.60	0:0015	0.0026	0.0060
(7) 1-5/8" From 0 to 118	0.00	20.00	10,00 116.50	0.1148	1,18	0.0005	0.0003	0.0008
(6) heliax-hj 1-5/8" From 0 to 118	115.00	118.00	112.50	0.0246	2.94	0.0012	0.0021	0.0013
(5) heliax-hj 1-5/8" From 0 to 118	105.00	110.00	107.50	0.0246	2.81	0.0012	0.0020	0.0013
(6) heliax-h) 1-5/8" from 0 to 118 (6) heliax-h) 1-5/8" from 0 to 118	100.00	105.00	102.50	0,0246	2.67	0,0011	0.0019	0.0013
(6) heliax-h) 1-5/8" From 0 to 118	80.00	100.00	90.00	0.0984	9.38 7.27	0.0040	0.0068 0.0053	0.0051
(6) heliax-hj 1-5/8" From 0 to 118	60.00	80,00 60.00	70.00 50.00	0.0984	5.17	0.0031	0.0033	0.0051
(6) heliax-hj 1-5/8" From 0 to 118	40.00 20.00	40.00	30,00	0.0984	3.08	0.0013	0.0022	0,0051
(6) heliax-hj 1-5/8" From 0 to 118 (6) heliax-hj 1-5/8" From 0 to 118	0.00	20.00	10.00	0.0984	1.01	0.0004	0.0007	0.0051
T-Brackets From 8.5 to 110	105.00	110.00	107.50	0.0210	2.40	0,0010	0.0017	0.0011
T-Brackets From 8.5 to 110	100.00	105.00	102.50	0.0210	2.28 8.01	0.0010	0.0017	0.0011
T-Brackets From 8.5 to 110	80,00	100.00 80.00	90.00 70.00	0.0840	6.21	0.0026	0.0045	0.0044
T-Brackets From 8.5 to 110	60:00 40.00	60.00	50.00	0,0840	4.41	0.0019	0.0032	0.0044
T-Brackets From 8.5 to 110 T-Brackets From 8.5 to 110	20.00	40.00	30.00	0.0840	2.63	0.0011	0.0019	0.0044
T-Brackets From 8.5 to 110	8.50	20.00	14.25	0.0483	0.71	0.0003	0,0005	0.0025
(12) 1-5/8" From 0 to 110	105.00	110.00	107.50	0.0492	5.61 5.35	0.0024	0.0041	0.0026
(12) 1-5/8" From 0 to 110	100,00	100.00	102.50	0,1968	18.76	0.0079	0.0136	0.0102
(12) 1-5/8* From 0 to 110	60.00	80.00	70,00	0.1968	14.54	0,0061	0,0105	0.0102
(12) 1-5/8" From 0 to 110 (12) 1-5/8" From 0 to 110	40.00	60.00	50.00	0.1968	10.34	0,0044	0.0075	0.0102
(12) 1-5/8" From 0 to 110	20.00	40.00	30.00	0.1968	6.17	0.0026	0.0045	0.0102
(12) 1-5/8* From 0 to 110	0.00	20.00 110.00	10.00 107.50	0.1968	2.03 1.02	0.0004	0.0007	0.0005
heliax-hj 3" From 0 to 110	105,00	105.00	102.50	0,0089	0.97	0.0004	0.0007	0.0005
heliax-h) 3" From 0 to 110 heliax-h) 3" From 0 to 110	80.00	100,00	90.00	0.0356	3,39	0.0014	0.0025	0.0018
heliax-hj 3" From 0 to 110	60.00	80.00	70.00	0.0356	2.63	0.0011	0.0019	0.0018
heliax-hj 3" From 0 to 110	40.00	60.00	50,00	0.0356	1.87	0.0008	0.0014	0.0018
heliax-hj 3" From 0 to 110	20.00 0.00	40.00 20.00	30.00 10.00	0.0356	0.37	0,0002	0,0003	0.0018
heliax-hj 3" From 0 to 110	105.00	110.00	107.50	0.0356	4.06	0.0017	0.0029	0.0018
(4) 3/4" From 0 to 110 (4) 3/4" From 0 to 110	100,00	105.00	102,50	0,0356	3,87	0.0016	0,0028	0.0018
(4) 3/4" From 0 to 110	80.00	100.00	90.00	0.1424	13.57	0.0057	0.0098	0.0074
(4) 3/4" From 0 to 110	60.00	80.00	70,00 50.00	0.1424 0.1424	10,52 7.48	0.0032	0.0078	0.0074
(4) 3/4" From 0 to 110	40.00 20.00	60.00	30.00	0.1424	4.46	0.0019	0.0032	0.0074
(4) 3/4" From 0 to 110	0.00	20.00	10.00	0.1424	1.47	0.0006	0.0011	0.0074
(4) 3/4" From 0 to 110 (2) heliax-hj 3/8" From 0 to 110	105,00	110,00	107,50	0.0018	0.21	0.0001	0.0001	0.0001
(2) heliax-hj 3/8" From 0 to 110	100.00	105.00	102.50	0.0018	0.20 0.69	0.0001	0.0001	0.0001
(2) heliax-hj 3/8" From 0 to 110	80.00	100.00	90,00 70,00	0.0072	0.69	0.0003	0.0003	0.0004
(2) heliax-hj 3/8" From 0 to 110	40.00	80.00 60.00	50.00	0.0072	0.38	0.0002	0,0003	0.0004
(2) heliax-hj 3/8" From 0 to 110	20.00	40.00	30.00	0.0072	0.23	0.0001	0.0002	0.0004
(2) heliax-hj 3/8" From 0 to 110 (2) heliax-hj 3/8" From 0 to 110	0.00	20,00	10,00	0,0072	0.07	0.0000	0.0001	0.0004
(2) heliax-hj 3/8" From 0 to 110	105.00	110.00	107.50	0.0018	0.21	0.0001	0.0001	0.0001
(2) heliax-hj 3/8" From 0 to 110	100.00	105,00	102.50	0.0018	0.20	0.0001	0.0001	0.0001
(2) heliax-hj 3/8" From 0 to 110	80.00 60.00	100.00 80.00	90.00 70.00	0.0072	0.69	0.0003	0.0004	0,0004
(2) heliax-hi 3/8" From 0 to 110	40.00	60.00	50.00	0.0072	0.38	0.0002	0.0003	0.0004
(2) heliax-hj 3/8" From 0 to 110 (2) heliax-hj 3/8" From 0 to 110	20.00	40.00	30,00	0,0072	0,23	0,0001	0.0002	0.0004
(2) heliax-hj 3/8" From 0 to 110	0.00	20.00	10.00	0.0072	0.07	0.0000	0.0001	0.0004
(8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5	80.00	96,50	88.25 70.00	0.1082	9.69	0.0043	0.0070	0.0038
(8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5	40.00	80.00 60.00	50.00	0.1312	6.89	0.0029	0.0050	0,0068
(8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5	20.00	40.00	30.00	0.1312	4.11	0.0017	0.0030	0.0058
(8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5 (8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5	9,50	20,00	14.75	0,0689	1,05	0,0004	0.0008	0.0036
T-Brackets From 9.5 to 95	80.00	95.00	87.50	0.0630	5.84	0.0025	0.0042	0.0033
T-Brackets From 9,5 to 95	60,00	80,00	70.00	0.0840	6.21 4.41	0.0026	0.0045	0.0044
T-Brackets From 9.5 to 95	40:00	60.00 40.00	30.00	0.0840	2.63	0.0019	0.0019	0.0044
T-Brackets From 9.5 to 95	9,50	20.00	14.75	0.0441	0.67	0.0003	0.0005	0.0023
T-Brackets From 9.5 to 95 heliax-hj 7/8" From 9 to 57	40.00	57.00	48.50	0,0092	0.47	0.0002	0,0003	0.0005
ADMINISTRA FIGURES TO SE	20.00	40.00	30.00	0.0108	0.34	0.0001	0.0002	0.0006

heliax-hj 7/8" From 9 to 57	9.00	20.00	14.50	0.0059	0.09	0.0000	0.0001	0,0003
2) heliax-hj 7/8° from 9 to 128	120.00	128.00	124.00	0.0086	1.14	0.0005	0.0008	0.0004
2) heliax-hj 7/8" From 9 to 128	115.00	120.00	117.50	0.0054	0.67	0.0003	0.0005	0.0003
2) heliax-hj 7/8" From 9 to 128	110.00	115.00	112.50	0.0054	0.65	0.0003	0.0005	0.0003
2) heliax-hj 7/8" From 9 to 128	105.00	110.00	107.50	0.0054	0.62	0.0003	0.0004	0.0003
2) heliax-hj 7/8" From 9 to 128	100.00	105.00	102.50	0.0054	0.59	0.0002	0.0004	0.0003
2) heliax-hj 7/8" From 9 to 128	80.00	100.00	90.00	0.0216	2.06	0.0009	0.0015	0.0011
2) helian-hj 7/8" From 9 to 128	60.00	80.00	70.00	0.0216	1.60	0.0007	0.0012	0.0011
2) heliax-hj 7/8" From 9 to 128	40.00	60.00	50.00	0.0216	1.14	0.0005	0.0008	0.0011
2) hellax-hj 7/8" From 9 to 128	20.00	40.00	30.00	0.0216	0.68	0.0003	0.0005	0.0011
2) heliax-hj 7/8" From 9 to 128	9.00	20.00	14.50	0.0119	0.18	0.0001	0.0001	0.0006
2) heliax-hj 7/8" From 9.5 to 55	40.00	55.00	47.50	0.0162	0.81	0.0003	0.0006	0.0008
2) heliax-hj 7/8" From 9.5 to 55	20.00	40.00	30.00	0.0216	0.68	0.0003	0.0005	0.0011
7) heliax-hj 7/8" From 9.5 to 55	9.50	20.00	14.75	0.0113	0.17	0.0001	0.0001	0.0006
-Brackets From 8.5 to 95	80.00	95.00	87.50	0.0630	5.84	0.0025	0.0042	0.0033
-Brackets From 8.5 to 95	58.00	80.00	70.00	0.0840	6.21	0.0026	0.0045	0.0044
-Brackets From 8.5 to 95	40.00	60.00	50.00	0.0840	4.41	0.0019	0.0032	0.0044
-Brackets From 8,5 to 95	20.00	40.00	30.00	0.0840	2.63	0.0011	0.0019	0.0044
-Brackets From 8.5 to 95	8.50	20.00	14.25	0.0483	0.71	0.0003	0.0005	0.0025
8) andrew LDF7-50A(1-5/8") From 0 to 130	120.00	130.00	125.00	0.0245	3.27	0.0014	0.0024	0.0013
3) andrew LDF7-SOA(1-5/8") From 0 to 130	115.00	120.00	117.50	0.0123	1.54	0.0006	0.0011	0.0006
3) andrew LDF7-50A(1-5/8") From 0 to 130	110.00	115:00	112.50	0.0123	1.47	0.0006	0.0011	0.0006
) andrew LDF7-50A(1-5/8") From 0 to 130	105.00	110.00	107.50	0.0123	1.40	0,0006	0.0010	0.0006
) andrew LDF7-50A(1-5/8") From 0 to 130	100.00	105.00	102.50	0.0123	1.34	0.0006	0.0010	0.0006
) andrew LDF7-50A(1-5/8") From 0 to 130	80.00	100.00	90.00	0.0492	4.69	0.0020	0.0034	0.0026
i) andrew LDF7-50A(1-5/8") From 0 to 130	60.00	80.00	70.00	0.0492	3.64	0.0015	0.0026	0.0026
3) andrew LDF7-50A(1-5/8") From 0 to 130	40.00	60.00	50.00	0.0492	2.59	0.0011	0.0019	0.0026
) andrew LDF7-50A(1-5/8*) From 0 to 130	20.00	40.00	30.00	0.0492	1.54	0.0006	8.0011	0.0026
) andrew LDF7-S0A(1-5/8") From 0 to 130	0.00	20.00	10.00	0.0492	0.51	0.0002	0.0004	0.0026
ndrew LDF4-50A(1/2") From 0 to 130	120.00	130.00	125.00	0.0015	0,20	0.0001	0.0001	0.0001
ndrew LDF4-S0A(1/2") From 0 to 130	115.00	120.00	117.50	0.0008	0.09	0.0000	0.0001	0.0000
ndrew LDF4-S0A(1/2") From 0 to 130	110.00	115.00	112.50	0.0008	0.09	0.0000	0.0001	0.0000
ndrew LDF4-50A(1/2°) From 0 to 130	105.00	110.00	107.50	0.0008	0.09	0.0000	0.0001	0.0000
ndrew LDF4-50A(1/2") From 0 to 130	100.00	105.00	102.50	0.0008	0.08	0.0000	0.0001	0.0000
ndrew LDF4-50A(1/2") From 8 to 130	80.00	100.00	90.00	0.0030	0.29	0.0001	0.0002	0.0002
ndrew LDF4-50A(1/2*) From 0 to 130	50.00	80.00	70.00	0.0030	0.22	0.0001	0.0002	0.0002
ndrew LDF4-50A(1/2") From 0 to 130	40.00	60.00	50.00	0.0030	0.15	0.0001	0.0001	0.0002
drew LDF4-50A(1/2*) From 0 to 130	20.00	40.00	30.00	0.0030	0.09	0.0000	0.0001	0.0002
ndrew LDF4-50A(1/2") From 0 to 130	0.00	20.00	10.00	0.0030	0.03	0.0000	0.0000	0.0002
mmscope EW90(ELLIPTICAL) From 0 to 123	120.00	123.00	121.50	0.0010	0.12	0.0001	0.0001	0.0002
mmscope EW90(ELLIPTICAL) From 0 to 123	115.00	120.00	117.50	0.0016	0.20	0.0001	0.0001	0.0000
ommscope EW90(ELLIPTICAL) From 0 to 123	110.00	115.00	112.50	0.0016	0.19	0.0001	0.0001	0.0001
immscope EW90(ELLIPTICAL) From 0 to 123	105.00	110.00	107.50	0.0016	0.18	0.0001	0.0001	0.0001
Immscope EW90(ELLIPTICAL) From 0 to 123	100.00	105.00	102.50	0.0016	0.17			
mmscope EW90(ELLIPTICAL) From 0 to 123	80.00	100.00	90.00	0.0064	0.51	0.0001	0.0001	0.0001
mmscope EW90(ELLIPTICAL) From 0 to 123	60.00	80.00	70.00	0.0064		- ittel	0.0004	0.0003
immscope EW90(ELLIPTICAL) From 0 to 123	40.00	60.00	50.00	0.0064	0.47	0.0002	0.0003	0.0003
mmscope EW90[ELUPTICAL) From 0 to 123	20.00	40.00	30.00	0.0064		0.0001	0.0002	0.0003
immiscope EW90(ELLIPTICAL) From 0 to 123	0.00	20.00	10.00	0.0064	0.20	0.0001	0.0001	0.0003
	0.00	20,00	10.00	0.0064	0.07	0.0000	0.0000	0.0003

Analysis Date: 9/5/2023



DH

CT98078-L-03_ Wilton CT - Optasite FDH Infrastructure Services, LLC INFRASTRUCTURE SERVICES roject: PR-009478 6521 Meridien Drive App'd Client SBA Drawn by Hailey Hipp Raleigh, North Carolina 27616 Scale: NTS Date: 09/05/23 Code: TIA-222-H Phone: (919) 755-1012 FAX: (919) 755-1031 Dwg No. E-1 FDH-IS

Fu

58 ks

GRADE

A36

FDH Infrastructure Services, LLC

6521 Meridien Drive Raleigh, North Carolina 27616 Phone: (919) 755-1012 FAX: (919) 755-1031

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Tower Input Data

The main tower is a 3x free standing tower with an overall height of 130.00 ft above the ground line.

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

The face width of the tower is 5.50 ft at the top and 11.50 ft at the base.

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

The following design criteria apply:

Tower is located in Fairfield County, Connecticut.

Tower base elevation above sea level: 41.00 ft.

Basic wind speed of 116 mph.

Risk Category II.

Exposure Category B.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: 1.

Crest Height: 0.00 ft.

Nominal ice thickness of 1.0000 in.

Ice thickness is considered to increase with height.

Ice density of 56 pcf.

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

Temperature drop of 50 °F.

Deflections calculated using a wind speed of 60 mph.

Evaluation considers Annex S of TIA-222-H...

CCISeismic Note: Seismic loads generated by CCISeismic 3.38.

CCISeismic Note: Seismic calculations are in accordance with TIA-222-H.

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

Pressures are calculated at each section.

Stress ratio used in tower member design is 1.

Tower analysis based on target reliabilities in accordance with Annex S.

Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$, $K_{es}(E_v \text{ and } E_h) = 1.0$.

Maximum demand-capacity ratio is: 1.

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

Options

Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification

- √ Use Code Stress Ratios
 Use Code Safety Factors Guys
 Escalate Ice
 Always Use Max Kz
- Use Special Wind Profile

 √ Include Bolts In Member Capacity
 Leg Bolts Are At Top Of Section
- √ Secondary Horizontal Braces Leg
 Use Diamond Inner Bracing (4 Sided)
 SR Members Have Cut Ends
 SR Members Are Concentric

- Distribute Leg Loads As Uniform Assume Legs Pinned
- √ Assume Rigid Index Plate
- √ Use Clear Spans For Wind Area
- √ Use Clear Spans For KL/r
 Retension Guys To Initial Tension
- ✓ Bypass Mast Stability Checks
 ✓ Use Azimuth Dish Coefficients
- √ Project Wind Area of Appurt. Autocalc Torque Arm Areas Add IBC .6D+W Combination
- √ Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs

- Use ASCE 10 X-Brace Ly Rules
- Calculate Redundant Bracing Forces Ignore Redundant Members in FEA
- √ SR Leg Bolts Resist Compression
 All Leg Panels Have Same Allowable
 Offset Girt At Foundation
- Consider Feed Line Torque
- Include Angle Block Shear Check
 Use TIA-222-H Bracing Resist. Exemption
 Use TIA-222-H Tension Splice Exemption
 Poles

Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments

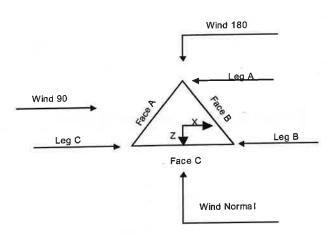
Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are

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Known



Triangular Tower

Tower Section Geometry

Tower Section	Tower Elevation	Assembly Database	Description	Section Width	Number of Sections	Section Length
	O			fi		ft
TD1	130.00-120.00			5.50	1	10.00
T1				5.50	1	5.00
T2	120.00-115.00			5.50	1	5.00
T3	115.00-110.00			5.50	1	5.00
T4	110.00-105.00			5,50	î	5.00
T5	105.00-100.00				î	20.00
T6	100.00-80.00			5.50		20.00
T7	80.00-60.00			5.50	1	
T8	60.00-40.00			7.00	1	20.00
_	40.00-20.00			8.50	1	20.00
T9 T10	20.00-0.00			10.00	1	20.00

Tower	Section	Geometry	(cont'd)
lower	Section	Geometry	(COIL U)

Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace End	Has Horizontals	Top Girt Offset	Bottom Girt Offset
	a	ft		Panels		in	in

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Tower	Tower	Diagonal	Bracing	Has	Has	Top Girt	Bottom Gir
Section	Elevation	Spacing	Type	K Brace	Horizontals	Offset	Offset
		. 0	. 72 -	End	110/120/111115	Ojjsei	Ojjsei
	ft	ft		Panels		īn	in
T1	130.00-120.00	5.00	X Brace	No	No	0.0000	0.0000
T2	120.00-115.00	4.50	X Brace	No	No	6.0000	0.0000
T3	115.00-110.00	5.00	X Brace	No	No	0.0000	0.0000
T4	110.00-105.00	5.00	X Brace	No	No	0.0000	0.0000
T5	105.00-100.00	5.00	X Brace	No	Yes	0.0000	0.0000
T6	100.00-80.00	5.00	X Brace	No	No	0.0000	0.0000
T7	80.00-60.00	4.88	X Brace	No	No	6.0000	0.0000
T8	60.00-40.00	5.00	X Brace	No	No	0.0000	0.0000
T9	40.00-20.00	10.00	Х Втасе	No	Yes	0.0000	0.0000
T10	20.00-0.00	10.00	X Brace	No	Yes	0.0000	0.0000

Tower Section Geometry (cont'd)

Leg	Leg	Leg	Diagonal	Diagonal	Diagona
Туре	Size	Grade	Type	Size	Grade
Solid Round	1 3/4	A572-50	Equal Angle	L2x2x1/4	A572-50
			-1	22(22(1)	(50 ksi)
Solid Round	1 3/4	A572-50	Equal Angle	L2x2x3/16	A36
		(50 ksi)	-,		(36 ksi)
Solid Round	1 3/4	A572-50	Equal Angle	L2x2x3/16	A36
		(50 ksi)	-4	ZZAZAS, XV	(36 ksi)
Solid Round	1 3/4	A572-50	Equal Angle	L2x2x3/16	A36
		(50 ksi)		DEMEND, 10	(36 ksi)
Solid Round	1 3/4	A572-50	Equal Angle	L2x2x3/16	A36
		(50 ksi)	-1		(36 ksi)
Solid Round	2 1/2	À572-50	Equal Angle	L2x2x3/16	A36
		(50 ksi)	-1	22/12/13/10	(36 ksi)
Solid Round	2 3/4	À572-50	Equal Angle	L2x2x3/16	A36
		(50 ksi)	1		(36 ksi)
Solid Round	3	A572-50	Equal Angle	L2x2x3/16	A36
		(50 ksi)	1		(36 ksi)
Solid Round	3 1/4	, ,	Equal Angle	I.3x3x1/4	A36
			-1	201157174	(36 ksi)
Solid Round	3 1/2	, ,	Equal Angle	I.3x3x1/4	A36
				DJAJA1/T	(36 ksi)
	Type Solid Round Solid Round	Type Size Solid Round 1 3/4 Solid Round 1 3/4 Solid Round 1 3/4 Solid Round 1 3/4 Solid Round 2 1/2 Solid Round 2 3/4 Solid Round 3 Solid Round 3 1/4	Type Size Grade Solid Round 1 3/4 A572-50 (50 ksi) Solid Round 2 1/2 A572-50 (50 ksi) Solid Round 2 3/4 A572-50 (50 ksi) Solid Round 3 A572-50 (50 ksi) Solid Round 3 1/4 A572-50 (50 ksi) Solid Round 3 1/4 A572-50 (50 ksi)	Type Size Grade (50 ksi) Type Solid Round 1 3/4 A572-50 Equal Angle (50 ksi) Solid Round 1 3/4 A572-50 Equal Angle (50 ksi) Solid Round 1 3/4 A572-50 Equal Angle (50 ksi) Solid Round 1 3/4 A572-50 Equal Angle (50 ksi) Solid Round 1 3/4 A572-50 Equal Angle (50 ksi) Solid Round 2 1/2 A572-50 Equal Angle (50 ksi) Solid Round 2 3/4 A572-50 Equal Angle (50 ksi) Solid Round 3 A572-50 Equal Angle (50 ksi) Solid Round 3 1/4 A572-50 Equal Angle (50 ksi) Solid Round 3 1/4 A572-50 Equal Angle (50 ksi) Solid Round 3 1/2 A572-50 Equal Angle (50 ksi)	Type Size Grade Type Size Solid Round 1 3/4 A572-50 Equal Angle (50 ksi) Solid Round 1 3/4 A572-50 Equal Angle L2x2x3/16 (50 ksi) Solid Round 1 3/4 A572-50 Equal Angle L2x2x3/16 (50 ksi) Solid Round 1 3/4 A572-50 Equal Angle L2x2x3/16 (50 ksi) Solid Round 1 3/4 A572-50 Equal Angle L2x2x3/16 (50 ksi) Solid Round 2 1/2 A572-50 Equal Angle L2x2x3/16 (50 ksi) Solid Round 2 3/4 A572-50 Equal Angle L2x2x3/16 (50 ksi) Solid Round 3 1/4 A572-50 Equal Angle L2x2x3/16 (50 ksi) Solid Round 3 1/4 A572-50 Equal Angle L3x3x1/4 (50 ksi) Solid Round 3 1/2 A572-50 Equal Angle L3x3x1/4 (50 ksi)

Tower Section Geometry (cont'd)

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
T1 130.00-120.00	Equal Angle	L2x2x1/4	A572-50 (50 ksi)	Solid Round		A36 (36 ksi)
Γ2 120.00-115.00	Equal Angle	L2x2x1/8	A36 (36 ksi)	Solid Round		A36 (36 ksi)
Г7 80.00-60.00	Equal Angle	L2x2x1/8	A36 (36 ksi)	Solid Round		A36 (36 ksi)

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(50 ksi)

À572-50

(50 ksi)

	Tower Section Geometry (cont'd)									
Tower Elevation	Secondary Horizontal Type	Secondary Horizontal Size	Secondary Horizontal Grade	Inner Bracing Type	Inner Bracing Size	Inner Bracing Grade				
<u>ft</u> T5 105.00-100.00	Equal Angle	L2x2x1/4	A572-50 (50 ksi)	Solid Round		A572-50 (50 ksi)				
T9 40.00-20.00	Equal Angle	L2x2x1/8	A36	Solid Round		A572-50 (50 ksi)				

(36 ksi) A36

(36 ksi)

L2x2x1/8

T10 20.00-0.00

Equal Angle

Solid Round

		Tower Section Geometry (cont'd)									
Tower Elevation	Gusset Area (per face)	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Stitch Bolt Spacing Redundants in		
	0.00	0.0000	A36	1	1	1	36.0000	36.0000	36.0000		
130.00-120.00 T2	0.00	0.0000	(36 ksi) A36	1	1	1	36.0000	36.0000	36.0000		
120.00-115.00	0.00	0.0000	(36 ksi) A36	1	1	1	36.0000	36.0000	36.0000		
T3 115.00-110.00 T4	0.00	0.0000	(36 ksi) A36	1	1	1	36.0000	36.0000	36.0000		
110.00-105.00 T5	0.00	0.0000	(36 ksi) A36	1	1	1	36.0000	36.0000	36.0000		
105.00-100.00 T6	0.00	0.0000	(36 ksi) A36	1	1	1	36.0000	36.0000	36.0000		
100.00-80.00 T7 80.00-60.00	0.00	0.0000	(36 ksi) A36	1	1	1	36.0000	36.0000	36.0000		
T8 60.00-40.00	0.00	0.0000	(36 ksi) A36	1	1	1	36.0000	36.0000	36.0000		
T9 40.00-20.00	0.00	0.0000	(36 ksi) A36	1	1	1	36.0000	36.0000	36.0000		
T10 20.00-0.00	0.00	0.0000	(36 ksi) A36 (36 ksi)	i	1	1	36.0000	36.0000	36.0000		

			To	wer Se	ction G	eomet	ry (cor	nt'd)		N I
	K Factors ⁱ									
Tower Elevation	Calc K	Calc K	Legs	X Brace Diags	K Brace Diags	Single Diags	Girts	Horiz.	Sec. Horiz.	Inner Brace
o	Single Angles	Solid Rounds		X Y	X Y	X Y	X Y	X Y	X Y	X Y
T1 30.00-120.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1	1	1
T2 .20.00-115.00	Yes	Yes	1	1	1	1	1 1	1	1	1
T3 115.00-110.00	Yes	Yes	1	1 1	1	1	1	1	1	1

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						K Fac	ctors1			
Tower Elevation	Calc K Single Angles	K K Single Solid	d -	X Brace Diags X	K Brace Diags X	Single Diags X	Girts X	Horiz. X	Sec. Horiz.	Inner Brace
ft		11047145		Y	Y	Y	Y	A Y	X = Y	X
T4	Yes	Yes	1	1	1	1	1	1	1	1
110.00-105.00				1	1	1	1	1	1	î
T5	Yes	Yes	1	1	1	1	1	1	1	î
105.00-100.00				1	1	1	1	1	0.5	î
T6	Yes	Yes	1	1	1	1	1	1	1	ī
100.00-80.00				1	1	1	1	1	1	1
T7	Yes	Yes	1.	1	1	1	1	1	1	î
80.00-60.00				1	1	1	1	1	1	1
T8	Yes	Yes	1	1	1	1	1	1	ī	î
60.00-40.00				1	1	1	1	1	î	î
Т9	Yes	Yes	1	1	1	1	1	1	1	i
40.00-20.00				1	1	1	í	ī	0.5	î
T10	Yes	Yes	1	1	1	1	1	i	1	î
20.00-0.00				. I	1	1	1	1	0.5	1

Note: K factors are applied to member segment lengths. K-braces without inner supporting members will have the K factor in the out-of-plane direction applied to the overall length.

Tower Section Geometry (cont'd)

Tower Elevation fl	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 130.00-120.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T2 120.00-115.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T3 115.00-110.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T4 110.00-105.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T5 105,00-100,00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T6 100.00-80.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T7 80.00-60.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T8 60.00-40.00		1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T9 40.00-20.00		1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T10 20.00-0.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Elevation ft	Reduna Horizo		Redund Diago		Reduna Sub-Diag		Redun Sub-Hor		Redundan	t Vertical	Redunda	ant Hip	Redunda Diago	4	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	
T1 30.00-120.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	

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let Width Deduct in	U	Net Width Deduct in	U	Net Width	\overline{U}	Net	7.7	37-4	7.5	37.4	U	37.4	7.7
0.0000				Deduct in		Width Deduct	U	Net Width Deduct in	U	Net Width Deduct in		Net Width Deduct in	U
0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 0.75	0.0000	0.75 0.75	0.0000	0.75 0.75
0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 0.75	0.0000	0.75 0.7 5
0 0 0 0 0 0	.0000 .0000 .0000	.0000 0.75 .0000 0.75 .0000 0.75 .0000 0.75 .0000 0.75 .0000 0.75	.0000 0.75 0.0000 .0000 0.75 0.0000 .0000 0.75 0.0000 .0000 0.75 0.0000 .0000 0.75 0.0000 .0000 0.75 0.0000 .0000 0.75 0.0000	.0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75	.0000 0.75 0.0000 0.75 0.0000 .0000 0.75 0.0000 0.75 0.0000 .0000 0.75 0.0000 0.75 0.0000 .0000 0.75 0.0000 0.75 0.0000 .0000 0.75 0.0000 0.75 0.0000 .0000 0.75 0.0000 0.75 0.0000 .0000 0.75 0.0000 0.75 0.0000 .0000 0.75 0.0000 0.75 0.0000	.0000 0.75 0.0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 0.0000 0.75	.0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 .0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 .0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 .0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 .0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 .0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 0.000 0.75 0.0000 0.75 0.0000 0.75 0.0000 0.000 0.75 0.0000 0.75 0.0000 0.75 0.0000	.0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 0.75 .0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 0.75	.0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 0.75 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 <t< td=""><td>.0000 0.75 0.0000 0.75</td><td>.0000 0.75 0.0000 0.75</td><td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td><td>.0000 0.75 0.0000 0.75</td></t<>	.0000 0.75 0.0000 0.75	.0000 0.75 0.0000 0.75	$\begin{array}{cccccccccccccccccccccccccccccccccccc$.0000 0.75 0.0000 0.75

Tower Section Geometry (cont'd)

Tower Elevation	Leg Connection	Leg		Diagor	Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal		
ft	Туре	Bolt Size	No.	Bolt Size	No.	Bolt Size	No.	Bolt Size	No.	Bolt Size	No.	Bolt Size	No.	Bolt Size in	No.
T1	Flange	0.6250	4	0.6250	1	0.6250	1	0.6250	0	0.6250	0	0.6250	0	0.6250	0
130.00-120.00	Trange	A325N	•	A325N		A325N		A325N		A325N		A325N		A325N	0
T2	Flange	0.7500	0	0.6250	1	0.3750	1	0.0000	0	0.6250	0	0.6250	0	0.6250	0
120.00-115.00	Timigo	A325N	-	A325N		A325N		A325N		A325N		A325N	_	A325N	^
T3	Flange	0.7500	0	0.6250	1	0.6250	0	0.0000	0	0.6250	0	0.6250	0	0.6250	0
115.00-110.00	1 tunge	A325N	_	A325N		A325N		A325N		A325N		A325N		A325N	^
T4	Flange	0.7500	0	0.6250	1	0.6250	0	0.0000	0	0.6250	0	0.6250	0	0.6250	0
110.00-105.00	1 miles	A325N		A325N		A325N		A325N		A325N		A325N		A325N	- 1
T5	Flange	0.7500	4	0.6250	1	0.6250	0	0.6250	0	0.6250	0	0.6250	0	0.6250	1
105.00-100.00	1 lange	A325N		A325N		A325N		A325N		A325N		A325N	_	A325N	•
T6	Flange	1.0000	4	0.6250	1	0.6250	0	0.6250	0	0.6250	0	0.6250	0	0.6250	0
100.00-80.00	Tange	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
T7 80.00-60.00	Flange	1.0000	4	0.6250	1	0.3750	1	0.0000	0	0.6250	0	0.6250	0	0.6250	0
1 / 80.00-00.00	Tange	A325N	•	A325N		A325N		A325N		A325N		A325N		A325N	•
TO CO OO 40 00	Flange	1.0000	6	0.6250	1	0.6250	0	0.0000	0	0.6250	0	0.6250	0	0.6250	0
T8 60.00-40.00	Flange	A325N	0	A325N	-	A325N		A325N		A325N		A325N		A325N	
TO 40 00 30 00	Flange	1.0000	6	0.6250	1	0.6250	0	0.0000	0	0.6250	0	0.6250	0	0.6250	1
T9 40.00-20.00	Ligithe	A325N	U	A325N	-	A325N		A325N		A325N		A325N		A325N	72
T10 20 00 0 00	Floride	1.0000	0	0.6250	1	0.6250	0	0.0000	0	0.6250	0	0.6250	0	0.6250	1
T10 20.00-0.00	Flange	A325N	U	A325N	•	A325N		A325N		A325N		A325N		A325N	

Feed Line/Linear Appurtenances - Entered As Round Or Flat

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Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
***			Caronianon										
Safety Line 3/8 ***	В	No	No	Ar (CaAa)	118.00 - 0.00	0.0000	0.5	1	1	0.0000	0.3750		0.22
1-5/8"	A	No	No	Ar (CaAa)	118.00 - 0.00	-85.000 0	0	7	2	0.5000	1.9800		0.82
1-5/8"	В	No	No	Ar (CaAa)	118.00 - 0.00	0.0000	0.4	6	3	0.5000	1.9800		0.82
T-Brackets	A	No	No	Af (CaAa)	110.00 - 8,50	-100.00 00	0	1	1	1.0000	1.0000		4.20
***					0.50	00							
1-5/8"	A	No	No	Ar (CaAa)	110.00 - 0.00	-75.000 0	0	12	6	0.5000	1.9800		0.82
3"	С	No	No	Ar (CaAa)	110.00 - 0.00	-0.5000	-0.43	1	1	0.5000	3.0100		1.78
3/8"	A	No	No	Ar (CaAa)	110.00 - 0.00	-72.000 0	0	2	2	0.0000	0.3750		0.18
3/8"	С	No	No	Ar (CaAa)	110.00 - 0.00	0.0000	-0.45	2	2	0.0000	0.3750		0.18
(6) 1-5/8"; (2) 1-5/8" Hybrid	С	No	No	Ar (CaAa)	96.50 - 9.50	-85.000 0	0	8	4	0.5000	1.9800		0.82
T-Brackets	С	No	No	Af (CaAa)	95.00 - 9.50		0	1	1	1.0000	1.0000		4.20
***						U							
7/8"	В	No	No	Ar (CaAa)	57.00 - 9.00	-85.000 0	0	1	1	0.5000	1.1100		0.54
7/8"	В	No	No	Ar (CaAa)	128.00 - 9.00	-90.000 0	0	2.	2	0.5000	1.1100		0.54
7/8"	С	No	No	Ar (CaAa)	55.00 - 9.50		0.02	2	1	0.5000	1.1100		0.54
T-Brackets	В	No	No	Af (CaAa)	95.00 - 8.50		0	1	1	1.0000	1.0000		4.20
***						-							
LDF7-50A(1- 5/8")	С	No	No	Ar (CaAa)	130.00 - 0.00	0.0000	0.49	3	1	0.5000	1.9800		0.82
LDF4-50A(1/ 2")	С	No	No	Ar (CaAa)	130.00 - 0.00	0.0000	0.47	1	1	0.5000	0.6300		0.15
EW90(ÉLLIP TICAL)	С	No	No	Ar (CaAa)	123.00 - 0.00	0.0000	0.46	1	1	0.5000	1.3200		0.32

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or	Allow Shield	Exclude From	Component Type	Placement	Face Offset	Lateral Offset	#		C_AA_A	Weigh
	Leg		Torque Calculation	<i>31</i>	ft	in	(Frac FW)			ft²/ft	plf

3/4"	С	No	No	CaAa (In	110.00 - 0.00	-0.5000	-0.43	4	No	0.00	1.78
				Face)					Ice	0.00	0.00
									1/2"	0.00	0.00
									Ice		
									1" Ice		

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Feed Line/Linear Appurtenances Section Areas

Tower	Tower Elevation	Face	A_R	A_F	C _A A _A In Face	$C_A A_A$ Out Face	Weight
Section	ft		ft^2	ft²	ft²	ft²	K
T1	130.00-120.00	A	0.000	0.000	0.000	0.000	0.00
11	130.00-120.00	В	0.000	0.000	1.776	0.000	0.01
		Ċ	0.000	0.000	6.966	0.000	0.03
T2	120.00-115.00	Ā	0.000	0.000	4.158	0.000	0.02
12	120.00 115.00	В	0.000	0.000	4.787	0.000	0.02
		c	0.000	0.000	3.945	0.000	0.01
T3	115.00-110.00	Ā	0.000	0.000	6.930	0.000	0.03
15 115.00 110.	115.00 110.00	В	0.000	0.000	7.237	0.000	0.03
		c	0.000	0.000	3.945	0.000	0.01
T4	110.00-105.00	Ā	0.000	0.000	20.018	0.000	0.10
14	110.00-105.00	В	0.000	0.000	7.237	0.000	0.03
		c	0.000	0.000	5.825	0.000	0.06
T5 105.	105.00-100.00	Ā	0.000	0.000	20.018	0.000	0.10
	105,001-00,001	В	0.000	0.000	7.237	0.000	0.03
		č	0.000	0.000	5.825	0.000	0.06
Т6	100.00-80.00	Ā	0.000	0.000	80.073	0.000	0.40
10	100.00-00.00	В	0.000	0.000	31.450	0.000	0.19
		č	0.000	0.000	51.936	0.000	0.42
T7	80.00-60.00	Ā	0.000	0.000	80.073	0.000	0.40
1 /	00.00 00.00	В	0.000	0.000	32.283	0.000	0.21
		Ċ	0.000	0.000	58.313	0.000	0.46
Т8	60.00-40.00	Ā	0.000	0.000	80.073	0.000	0.40
10	00.00 40.00	В	0.000	0.000	34.170	0.000	0.22
		c	0.000	0.000	61.643	0.000	0.48
Т9	40.00-20.00	Ã	0.000	0.000	80.073	0.000	0.40
17	70.00 20.00	В	0.000	0.000	34.503	0.000	0.22
		C	0.000	0.000	62.753	0.000	0.48
T10	20.00-0.00	Ā	0.000	0.000	78.657	0.000	0.37
110	20.00-0.00	В	0.000	0.000	30.090	0.000	0.17
		Č	0.000	0.000	44.013	0.000	0.37

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower	Tower	Face	Ice	A_R .	A_F	C _A A _A In Face	$C_A A_A$ Out Face	Weigh
Section Elevation	Elevation	or Leg	Thickness in	ft ²	ft²	ft ²	fi²	K
TD1	130.00-120.00	A	0.971	0.000	0.000	0.000	0.000	0.00
T1 130.00-120.00	B	0.571	0.000	0.000	5.572	0.000	0.04	
		C		0.000	0.000	15.688	0.000	0.16
	100 00 115 00		0.965	0.000	0.000	4.885	0.000	0.06
T2 120.00-115.00	A B	0.505	0.000	0.000	8.264	0.000	0.09	
		C		0.000	0.000	8,964	0.000	0.09
			0.961	0.000	0.000	8.134	0.000	0.11
T3 115.00-110.00	115.00-110.00	A	0.901	0.000	0.000	11.439	0.000	0.13
		В		0.000	0.000	8.949	0.000	0.09
		C	0.957	0.000	0.000	23.045	0.000	0.33
T4	110.00-105.00	A	0.937	0.000	0.000	11.419	0.000	0.13
		В		0.000	0.000	13.589	0.000	0.13
		C	0.050	0.000	0.000	23.017	0.000	0.33
T5	105.00-100.00	A	0.952	0.000	0.000	11.399	0.000	0.13
		В			0.000	13.559	0.000	0.13
		С	10	0.000	0.000	91.771	0.000	1.29
T6	100.00-80.00	Α	0.940	0.000	0.000	50.695	0.000	0.60
		B C		0.000	0.000	85.964	0.000	1.01

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Tower Section	Tower Elevation	Face or	Ice Thickness	A_R	A_F	C _A A _A In Face	C _A A _A Out Face	Weight
	fi	Leg	in	ft²	ft ²	ft ²	ft ²	K
T7	80.00-60.00	A	0.916	0.000	0.000	91.203	0.000	1.28
		В		0.000	0.000	51.958	0.000	0.63
		C		0.000	0.000	92.556	0.000	1.11
T8	60.00-40.00	Α	0.886	0.000	0.000	90.466	0.000	1.26
		В		0.000	0.000	56.194	0.000	0.66
		С		0.000	0.000	101.458	0.000	1.16
T9	40.00-20.00	Α	0.842	0.000	0.000	89.393	0.000	1.23
		В		0.000	0.000	55.916	0.000	0.65
		C		0.000	0.000	102.883	0.000	1.14
T10	20.00-0.00	\mathbf{A}	0.754	0.000	0.000	84.567	0.000	1.11
		В		0.000	0.000	42,999	0.000	0.49
		C		0.000	0.000	75.382	0.000	0.75

Feed Line Center of Pressure

Section	Elevation	CP_X	CP_Z	CP _X Ice	CP _z Ice
	ft	in	in	in	in
T1	130.00-120.00	-5.2717	5.6117	-7.9522	7.3284
T2	120.00-115.00	3.9100	8.7139	0.3048	9.9964
T3	115.00-110.00	9.6162	11.0437	5.3395	11.9239
T4	110.00-105.00	17.0321	15,4423	14.7626	15,9341
T5	105.00-100.00	15.4752	14.3094	13.7320	14.9876
T6	100.00-80.00	13.3929	9.6363	11.2056	10.1800
T 7	80.00-60.00	11.8712	8,4435	9.8504	9.1044
T8	60.00-40.00	10.2594	7.6483	8.0402	7.9250
T9	40.00-20.00	8.8041	7.2058	7.1803	7.7733
T10	20,00-0.00	9.4233	9.3536	8,4398	10.5613

Shielding Factor Ka

Tower	Feed Line	Description	Feed Line	Ka	K_a
Section	Record No.		Segment Elev.	No Ice	Ice
T1	22	7/8"	120.00 -	0.6000	0.6000
			128.00	Carriera de	
T1	27	LDF7-50A(1-5/8")	120.00 -	0.6000	0.6000
			130.00		
T1	28	LDF4-50A(1/2")	120.00 -	0.6000	0.6000
			130.00		173000000000000000000000000000000000000
T1	29	EW90(ELLIPTICAL)	120.00 -	0.6000	0.6000
			123.00		
T2	2	Safety Line 3/8	115.00 -	0.6000	0.6000
			118.00		07956555
T2	5	1-5/8"	115.00 -	0.6000	0.6000
- 1			118.00		
T2	6	1-5/8"	115.00 -	0.6000	0.6000
			118.00		
T2	22	7/8"	115.00 -	0.6000	0.6000
			120.00		
T2	27	LDF7-50A(1-5/8")	115.00 -	0.6000	0.6000
	1	` 1	120.00		07/17/2020/2020

FDH Infrastructure Services,

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Tower	Feed Line	Description	Feed Line	K_a	K _a
Section	Record No.		Segment Elev.	No Ice	Ice
T2	28	LDF4-50A(1/2")	115.00 - 120.00	0.6000	0.6000
T2	29	EW90(ELLIPTICAL)	115.00 - 120.00	0.6000	0.6000
Т3	2	Safety Line 3/8	110.00 - 115.00	0.6000	0.6000
Т3	5	1-5/8"	110.00 -	0.6000	0.6000
Т3	6	1-5/8"	115.00 110.00 -	0.6000	0.6000
Т3	22	7/8"	115.00 110.00 -	0.6000	0.6000
Т3	27	LDF7-50A(1-5/8")	115.00 110.00 -	0.6000	0.6000
Т3	28	LDF4-50A(1/2")	115.00 110.00 -	0.6000	0.6000
Т3	29	EW90(ELLIPTICAL)	115.00 110.00 -	0.6000	0.6000
T4	2	Safety Line 3/8	115.00 105.00 -	0.6000	0.6000
T4	5	1-5/8"	110.00 105.00 -	0.6000	0.6000
T4	6	1-5/8"	110.00 105.00 -	0.6000	0.6000
T4	9	T-Brackets	110.00 105.00 -	0.6000	0.6000
T4	11	1-5/8"	110.00 105.00 -	0.6000	0.6000
	12	3"	110.00 105.00 -	0.6000	0.6000
T4		3/4"	110.00 105.00 -	0.6000	0.6000
T4	13	3/8"	110.00 105.00 -	0.6000	0.6000
T4	14	3/8"	110.00 105.00 -	0.6000	0.6000
T4	15	7/8"	110.00 105.00 -	0.6000	0.6000
T4	22	3476	110.00	0.6000	0.6000
Т4	27	LDF7-50A(1-5/8")	105.00 - 110.00	111111111111111111111111111111111111111	0.6000
T4	28	LDF4-50A(1/2")	105.00 - 110.00	0.6000	
Т4	29	EW90(ELLIPTICAL)	105.00 - 110.00	0.6000	0.6000
T5	2	Safety Line 3/8	100.00 - 105.00	0.6000	
Т5	5	1-5/8"	100.00 - 105.00	0.6000	0.6000
Т5	6	1-5/8"	100.00 - 105.00		0.6000
Т5	9	T-Brackets	100.00 - 105.00	0.6000	
Т5	11	1-5/8"	100.00 - 105.00	0.6000	
T5	12	3"	147500.7579.54	0.6000	
Т5	13	3/4"		0.6000	0.6000
T5	14	3/8"	11100000000000000000000000000000000000	0.6000	0.6000
T5	15	3/8"		0.6000	0.6000
Į	I.	I	1 103,00		

FDH Infrastructure Services,

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Tower	Feed Line	Description	Food Time	ν	v
Section	Record No.	Description	Feed Line Segment Elev.	K _a	Ka
T5	22	7/8"	100.00 -	No Ice 0.6000	1ce 0.6000
	-	,,,	105.00	0.0000	0.0000
T5	27	LDF7-50A(1-5/8")	100.00 -	0.6000	0.6000
			105.00	0.0000	0.0000
T5	28	LDF4-50A(1/2")		0.6000	0.6000
			105.00		0.0000
T5	29	EW90(ELLIPTICAL)	100.00 -	0.6000	0.6000
00000			105.00		(1300017)
T6	2 5	Safety Line 3/8	80.00 - 100.00	0.6000	0.6000
Т6		1-5/8"	80.00 - 100.00	0.6000	0.6000
T6	6	1-5/8"		0.6000	0.6000
T6	9		80.00 - 100.00	0.6000	0.6000
T6	11	1-5/8"		0.6000	0.6000
T6	12	3"		0.6000	0.6000
T6	13		80.00 - 100.00	0.6000	0.6000
T6	14	3/8"	80.00 - 100.00	0.6000	0.6000
T6 T6	15	3/8"	80.00 - 100.00	0.6000	0.6000
T6	17	(6) 1-5/8"; (2) 1-5/8" Hybrid	80.00 - 96.50	0.6000	0.6000
T6	18 22	T-Brackets	80.00 - 95.00	0.6000	0.6000
T6	25	7/8"	80.00 - 100.00	0.6000	0.6000
T6	23	T-Brackets	80.00 - 95.00	0.6000	0.6000
T6	28	LDF7-50A(1-5/8")	80.00 - 100.00	0.6000	0.6000
T6	29	LDF4-50A(1/2") EW90(ELLIPTICAL)		0.6000	0.6000
T7	2 2	Safety Line 3/8	80.00 - 100.00	0.6000	0.6000
T7	5		60.00 - 80.00	0.6000	0.6000
T7	6	1-5/8" 1-5/8"	60.00 - 80.00	0.6000	0.6000
T7	ğ	T-Brackets	60.00 - 80.00 60.00 - 80.00	0.6000	0.6000
T7	11	1-5/8"	60.00 - 80.00	0.6000	0.6000
T7	12	3"	60.00 - 80.00	0.6000	
T7	13	3/4"	60.00 - 80.00	0.6000	0.6000
Т7	14	3/8"	60.00 - 80.00	0.6000	0.6000
T7	15	3/8"	60.00 - 80.00	0.6000	0.6000
T7	17	(6) 1-5/8"; (2) 1-5/8" Hybrid	60.00 - 80.00	0.6000	0.6000
T7	18	T-Brackets	60.00 - 80.00	0.6000	0.6000
T7	22	7/8"	60.00 - 80.00	0.6000	0.6000
T7	25	T-Brackets	60.00 - 80.00	0.6000	0.6000
T7	27	LDF7-50A(1-5/8")	60.00 - 80.00	0.6000	0.6000
T7	28	LDF4-50A(1/2")	60.00 - 80.00	0.6000	0.6000
T7	29	EW90(ELLIPTICAL)	60.00 - 80.00	0.6000	0.6000
T8	2	Safety Line 3/8	40.00 - 60.00	0.6000	0.6000
T8	5	1-5/8"	40.00 - 60.00	0.6000	0.6000
T8	6	1-5/8"	40.00 - 60.00	0.6000	0.6000
T8	9	T-Brackets	40.00 - 60.00	0.6000	0.6000
T8 T8	11	1-5/8"	40.00 - 60.00	0.6000	0.6000
T8	12	3"	40.00 - 60.00	0.6000	0.6000
T8	13 14	3/4"	40.00 - 60.00	0.6000	0.6000
T8	15	3/8"	40.00 - 60.00	0.6000	0.6000
T8	17	3/8" (6) 1-5/8"; (2) 1-5/8" Hybrid	40.00 - 60.00	0.6000	0.6000
T8	18		40.00 - 60.00	0.6000	0.6000
T8	21	T-Brackets 7/8"	40.00 - 60.00	0.6000	0.6000
T8	22		40.00 - 57.00	0.6000	0.6000
T8	23	7/8" 7/8"	40.00 - 60.00	0.6000	0.6000
T8	25	T-Brackets	40.00 - 55.00 40.00 - 60.00	0.6000	0.6000
T8	27	LDF7-50A(1-5/8")	40.00 - 60.00	0.6000	0.6000
T8	28	LDF4-50A(1/2")	40.00 - 60.00	0.6000	0.6000
T8	29	EW90(ELLIPTICAL)	40.00 - 60.00	0.6000	0.6000
T9	2	Safety Line 3/8	20.00 - 40.00	0.6000	0.6000
T9	5	1-5/8"	20.00 - 40.00	0.6000	0.6000
T9	6	1-5/8"	20.00 - 40.00	0.6000	0.6000 0.6000
Т9	9	T-Brackets	20.00 - 40.00	0.6000	0.6000
	152/ 4)	2 22.0000	-2.00	0.0000	0.0000

tnxTower	Job	CT98078-L-03_ Wilton CT - Optasite	Page 12 of 59
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6521 Meridien Drive Raleigh, North Carolina 27616 Phone: (919) 755-1012 FAX: (919) 755-1031	Client	SBA	Designed by Hailey Hipp

Tower	Feed Line	Description	Feed Line	Ka	K _a
Section	Record No.	•	Segment Elev.	No Ice	Ice
T9	11	1-5/8"	20.00 - 40.00	0.6000	0.6000
T9	12	3"	20.00 - 40.00	0.6000	0.6000
T9	13	3/4"	20.00 - 40.00	0.6000	0.6000
T9	14	3/8"	20.00 - 40.00	0.6000	0.6000
T9	15	3/8"	20.00 - 40.00	0.6000	0.6000
T9	17	(6) 1-5/8"; (2) 1-5/8" Hybrid	20.00 - 40.00	0.6000	0.6000
T9	18	T-Brackets	20.00 - 40.00	0.6000	0.6000
T9	21	7/8"	20.00 - 40.00	0.6000	0.6000
T9	22	7/8"	20.00 - 40.00	0.6000	0.6000
T9	23	7/8"	20.00 - 40.00	0.6000	0.6000
T9	25	T-Brackets	20.00 - 40.00	0.6000	0.6000
T9	27	LDF7-50A(1-5/8")	20.00 - 40.00	0.6000	0.6000
T9	28	LDF4-50A(1/2")	20.00 - 40.00	0.6000	0.6000
T9	29	EW90(ELLIPTICAL)	20.00 - 40.00	0.6000	0.6000
T10	2	Safety Line 3/8	0.00 - 20.00	0.6000	0.6000
T10	5	1-5/8"	0.00 - 20.00	0.6000	0.6000
T10	6	1-5/8"	0.00 - 20.00	0.6000	0.6000
T10	9	T-Brackets	8.50 - 20.00	0.6000	0.6000
T10	11	1-5/8"	0.00 - 20.00	0.6000	0.6000
T10	12	3"	0.00 - 20.00	0.6000	0.6000
T10	13	3/4"	0.00 - 20.00	0.6000	0.6000
T10	≥ 14	3/8"	0.00 - 20.00	0.6000	0.6000
T10	15	3/8"	0.00 - 20.00	0.6000	0.6000
T10	17	(6) 1-5/8"; (2) 1-5/8" Hybrid	9.50 - 20.00	0.6000	0.6000
T10	18	T-Brackets	9.50 - 20.00	0.6000	0.6000
T10	21	7/8"	9.00 - 20.00	0.6000	0.6000
T10	22	7/8"	9.00 - 20.00	0.6000	0.6000
T10	23	7/8"	9.50 - 20.00	0.6000	0.6000
T10	25	T-Brackets	8.50 - 20.00	0.6000	0.6000
T10	27	LDF7-50A(1-5/8")	0.00 - 20.00		0.6000
T10		LDF4-50A(1/2")	0.00 - 20.00	0.6000	0.6000
T10	l li	EW90(ELLIPTICAL)	0.00 - 20.00	0.6000	0.6000

User Defined Loads - Seismic

Description	Elevation	Offset From	Azimuth Angle	E_{v}	E_{hx}	E_{hz}	E_h
	ft	Centroid ft	۰	K	K	K	K
CCISeismic Tower Section 1	125.00	0.00	0.0000	0.03	0.00	0.00	0.06
CCISeismic Tower Section 2	117.50	0.00	0.0000	0.01	0.00	0.00	0.02
CCISeismic Tower Section 2	112.50	0.00	0.0000	0.01	0.00	0.00	0.02
CCISeismic Tower Section 4	107.50	0.00	0.0000	0.01	0.00	0.00	0.02
CCISeismic Tower Section 5	102.50	0.00	0.0000	0.01	0.00	0.00	0.02
CCISeismic Tower Section 6	90.00	0.00	0.0000	0.07	0.00	0.00	0.10
	70.00	0.00	0.0000	0.09	0.00	0.00	0.09
CCISeismic Tower Section 7	50.00	0.00	0.0000	0.10	0.00	0.00	0.08
CCISeismic Tower Section 8	30.00	0.00	0.0000	0.13	0.00	0.00	0.06
CCISeismic Tower Section 9	10.00	0.00	0.0000	0.15	0.00	0.00	0.02
CCISeismic Tower Section 10 CCISeismic lightning rod	130.00	0.00	0.0000	0.00	0.00	0.00	0.00
Lightning Rod CCISeismic omni 3"x12' Omni	128.00	0.00	0.0000	0.00	0.00	0.00	0.00
	128.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic omni 3"x12' Omni CCISeismic 6' Side Arm [Site Pro 1 P/N: PSA6]	128.00	0.00	0.0000	0.00	0.00	0.00	0.01

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Description	Elevation	Offset From Centroid	Azimuth Angle	E_{v}	E_{hx}	E_{hz}	E _h
	ft	ft	0	K	K	K	K
CCISeismic 6' Side Arm [Site	128.00	0.00	0.0000	0.00	0.00	0.00	0.01
Pro 1 P/N: PSA6]							
CCISeismic ericsson Air 6449	118.00	0.00	0.0000	0.01	0.00	0.00	0.01
B41 w/ Pipe Mount							
CCISeismic ericsson Air 6449	118.00	0.00	0.0000	0.01	0.00	0.00	0.01
B41 w/ Pipe Mount							
CCISeismic ericsson Air 6449	118.00	0.00	0.0000	0.01	0.00	0.00	0.01
B41 w/ Pipe Mount CCISeismic AIR32	110.00	0.00					:4
KRD901146-1-B66A-B2A w/	118.00	0.00	0.0000	0.01	0.00	0.00	0.01
Mount Pipe						- 1	
CCISeismic AIR32	110.00	0.00	0.0000				
KRD901146-1-B66A-B2A w/	118.00	0.00	0.0000	0.01	0.00	0.00	0.01
Mount Pipe CCISeismic AIR32	110.00	0.00	0.0000	0.04			
KRD901146-1-B66A-B2A w/	118.00	0.00	0.0000	0.01	0.00	0.00	0.01
Mount Pipe CCISeismic	110.00	0.00	0.0000				
APXVAALL24_43-U-NA20 w/	118.00	0.00	0.0000	0.01	0.00	0.00	0.02
Mount Pipe CCISeismic	119.00	0.00	0.0000				
	118.00	0.00	0.0000	0.01	0.00	0.00	0.02
APXVAALL24 43-U-NA20 w/							
Mount Pipe CCISeismic	119.00	0.00	0.0000				
APXVAALL24_43-U-NA20 w/	118.00	0.00	0.0000	0.01	0.00	0.00	0.02
Mount Pipe							
CCISeismic 4449 B71 + B85	110.00	0.00	0.0000				
CCISeismic 4449 B71 + B85	118.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic 4449 B71 + B85	118.00 118.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson 4415 B25		0.00	0.0000	0.00	0.00	0.00	0.01
CCIScismic ericsson 4415 B25	118.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson 4415 B25	118.00 118.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic commscope	118.00	0.00	0.0000	0.00	0.00	0.00	0.01
SDX1926Q-43	116.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic commscope	118.00	0.00	0.0000	0.00	0.00	0.00	
SDX1926Q-43	116.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic commscope	118.00	0.00	0.0000	0.00	0.00	0.00	0.00
SDX1926Q-43	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic ericsson KRY 112	118.00	0.00	0.0000	0.00	0.00	0.00	0.00
71	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic ericsson KRY 112	118.00	0.00	0.0000	0.00	0.00	0.00	0.00
71	110,00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic ericsson KRY 112	118.00	0.00	0.0000	0.00	0.00	0.00	0.00
71	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic Sector Frame	118.00	0.00	0.0000	0.03	0.00	0.00	0.06
(SitePro 1 P/N: VFA12-HD)	110.00	0.00	0.0000	0.03	0.00	0.00	0.06
CCISeismic Sector Frame	118.00	0.00	0.0000	0.03	0.00	0.00	0.00
(SitePro 1 P/N: VFA12-HD)	110.00	0.00	0.0000	0.03	0.00	0.00	0.06
CCISeismic Sector Frame	118.00	0.00	0.0000	0.03	0.00	0.00	0.06
(SitePro 1 P/N: VFA12-HD)	110.00	0.00	0.0000	0.03	0.00	0.00	0.06
CCISeismic OPA65R-BU6DA	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
w/ Mount Pipe	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic OPA65R-BU6DA	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
w/ Mount Pipe	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic OPA65R-BU6DA	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
w/ Mount Pipe	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson RRUS	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
4478 B14	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson RRUS	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
	110.00	0.00	0.0000	0.00	0.00	0.00	10.01

FDH Infrastructure Services, LLC 6521 Meridien Drive Raleigh, North Carolina 27616 Phone: (919) 755-1012 FAX: (919) 755-1031

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Description	Elevation	Offset	Azimuth	$E_{ u}$	E_{hx}	E_{hc}	E_h
		From Centroid	Angle			L	
	ft	ſŧ	•	K	K	K	<u>K</u>
CCISeismic ericsson RRUS 4478 B14	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic powerwave 7770	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
w/Mount Pipe CCISeismic powerwave 7770	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
w/Mount Pipe CCISeismic powerwave 7770	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
w/Mount Pipe CCISeismic kathrein 800 10965	110.00	0.00	0.0000	0.01	0.00	0.00	0.01
w/ Mount Pipe CCISeismic kathrein 800 10965	110.00	0.00	0.0000	0.01	0.00	0.00	0.01
w/ Mount Pipe CCISeismic kathrein 800 10965	110.00	0.00	0.0000	0.01	0.00	0.00	0.01
w/ Mount Pipe CCISeismic powerwave	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
P65-16-XLH-RR w/ Mount Pipe CCISeismic powerwave	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
P65-16-XLH-RR w/ Mount Pipe CCISeismic powerwave	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
P65-16-XLH-RR w/ Mount Pipe CCISeismic (2) powerwave	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
LGP21401 TMA CCISeismic (2) powerwave	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
LGP21401 TMA CCISeismic (2) powerwave	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
LGP21401 TMA CCISeismic powerwave	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
TT19-08BP111-001 CCISeismic powerwave	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
TT19-08BP111-001 CCISeismic powerwave TT19-08BP111-001	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic ericsson RRUS-11	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson RRUS-11	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson RRUS-11	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson RRUS	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
4478 B5	110.00						
CCISeismic ericsson RRUS 4478 B5	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson RRUS 4478 B5	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson RRUS 4415 B25	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic ericsson RRUS 4415 B25	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic ericsson RRUS 4415 B25	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic raycap DC6-48-60-18-8F	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic raycap DC6-48-60-18-8F	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (3) 12' Sector Mounts [Sabre C10857001C]	110.00	0.00	0.0000	0.08	0.00	0.00	0.13
CCISeismic samsung MT6407-77A w/Mount Pipe	96.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCIScismic samsung MT6407-77A w/Mount Pipe	96,00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic samsung MT6407-77A w/Mount Pipe	96.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (2) jma wireless	96.00	0.00	0.0000	0.01	0.00	0.00	0.01

FDH Infrastructure Services, LLC 6521 Meridien Drive

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Project	PR-009478	Date 11:07:59 09/05/23
Client	SBA	Designed by Hailey Hipp

Description	Elevation	Offset From Centroid	Azimuth Angle	$E_{ u}$	E_{hx}	E_{hz}	E_h
	ft	ft	O	K	K	K	K
MX06FRO660-03_TIA w/ Mount Pipe							
CCISeismic (2) jma wireless MX06FRO660-03_TIA w/ Mount Pipe	96.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (2) jma wireless MX06FRO660-03_TIA w/	96.00	0.00	0.0000	0.01	0.00	0.00	0.01
Mount Pipe CCISeismic antel BXA-80090-8CF-EDIN-X w/ Mount Pipe	96.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic antel BXA-80090-8CF-EDIN-X w/ Mount Pipe	96.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic antel BXA-80090-8CF-EDIN-X w/ Mount Pipe	96.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic samsung RF4439d-25A	96.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic samsung RF4439d-25A	96.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic samsung RF4439d-25A	96.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic samsung RF4440d-13A	96.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic samsung RF4440d-13A	96.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic samsung RF4440d-13A	96.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic raycap RRFDC-3315-PF-48	96.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic raycap RRFDC-3315-PF-48	96.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (3) 10' x 2' T-Arms	96.00	0.00	0.0000	0.09	0.00	0.00	0.13
CCISeismic (2) kaelus KA-6030	96.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic 1.9"Ø x 9.8' Pipe	55.00	0.00	0.0000	0.00	0.00	0.00	0.00
Mount CCISeismic (3) rfi antennas	128.00	0.00	0.0000	0.01	0.00	0.00	0.02
BPA7496-180-14 w/Mount Pipe	120.00	0.00	0.0000	0.01	0.00	0.00	0.02
CCISeismic 432F-83W-01-T	128.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic 12' Standard Duty V-Frame [Site Pro1 P/N: VFA12-SD-S]	128.00	0.00	0.0000	0.02	0.00	0.00	0.04
CCISeismic Pipe Mount	123.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic scala PR-850	57.00	0.00	0.0000	0.00 0.00	0.00	0.00	0.00
CCISeismic scala PR-850	55.00	0.00	0.0000	0.00	0.00 0.00	0.00	0.00
CCISeismic scala PR-850	55.00	0.00	0.0000	0.00		0.00	0.00
CCISeismic commscope VHLP3-11W	123.00	0.00	0.0000	0.00	0.00 0.00	0.00 0.00	0.00 0.00
CCISeismic miscl Safety Line	116.50	0.00	0.0000	0.00	0.00	0.00	0.00
3/8 From 0 to 118 (115ft to 118ft) CCISeismic miscl Safety Line	112.50	0.00	0.0000	0.00	0.00	0.00	0.00
3/8 From 0 to 118 (110ft to115ft) CCISeismic miscl Safety Line	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
3/8 From 0 to 118 (105ft to110ft) CCISeismic miscl Safety Line	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
3/8 From 0 to 118 (100ft to 105ft) CCISeismic miscl Safety Line	90.00	0.00	0.0000	0.00	0.00	0.00	0.00
3/8 From 0 to 118 (80ft to 100ft) CCISeismic miscl Safety Line	70.00	0.00	0.0000				
Corporating inner parety Title	70.00	0.00	0.0000	0.00	0.00	0.00	0.00

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Description	Elevation	Offset From	Azimuth Angle	E_{ν}	E_{hx}	E_{hc}	E_h
	fi	Centroid ft	0	K	K	K	<u>K</u>
3/8 From 0 to 118 (60ft to 80ft) CCISeismic miscl Safety Line	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
3/8 From 0 to 118 (40ft to60ft) CCISeismic miscl Safety Line	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
3/8 From 0 to 118 (20ft to 40ft) CCISeismic miscl Safety Line	10.00	0.00	0.0000	0.00	0.00	0.00	0.00
3/8 From 0 to 118 (0ft to 20ft) CCISeismic (7) 1-5/8" From 0	116.50	0.00	0.0000	0.00	0.00	0.00	0.00
to 118 (115ft to118ft) CCISeismic (7) 1-5/8" From 0	112.50	0.00	0.0000	0.00	0.00	0.00	0.00
to 118 (110ft to115ft) CCISeismic (7) 1-5/8" From 0	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
to 118 (105ft to110ft) CCISeismic (7) 1-5/8" From 0	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
to 118 (100ft to 105ft) CCISeismic (7) 1-5/8" From 0	90.00	0.00	0.0000	0.01	0.00	0.00	0.01
to 118 (80ft to 100ft) CCISeismic (7) 1-5/8" From 0	70.00	0.00	0.0000	0.01	0.00	0.00	0.01
to 118 (60ft to 80ft) CCISeismic (7) 1-5/8" From 0	50.00	0.00	0.0000	0.01	0.00	0.00	0.00
to 118 (40ft to 60ft) CCISeismic (7) 1-5/8" From 0	30.00	0.00	0.0000	0.01	0.00	0.00	0.00
to 118 (20ft to 40ft) CCISeismic (7) 1-5/8" From 0	10.00	0.00	0.0000	0.01	0.00	0.00	0.00
to 118 (0ft to20ft) CCISeismic (6) heliax-hj 1-5/8"	116.50	0.00	0.0000	0.00	0.00	0.00	0.00
From 0 to 118 (115ft to 118ft) CCISeismic (6) heliax-hj 1-5/8"	112.50	0.00	0.0000	0.00	0.00	0.00	0.00
From 0 to 118 (110ft to 115ft) CCISeismic (6) heliax-hj 1-5/8"	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
From 0 to 118 (105ft to110ft) CCISeismic (6) heliax-hj 1-5/8" From 0 to 118 (100ft to105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (6) heliax-hj 1-5/8" From 0 to 118 (80ft to 100ft)	90.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (6) heliax-hj 1-5/8" From 0 to 118 (60ft to80ft)	70.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (6) heliax-hj 1-5/8" From 0 to 118 (40ft to60ft)	50.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic (6) heliax-hj 1-5/8" From 0 to 118 (20ft to40ft)	30.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic (6) heliax-hj 1-5/8" From 0 to 118 (0ft to 20ft)	10.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic T-Brackets From 8.5 to 110 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
8.5 to 110 (100ft to105ft) CCISeismic T-Brackets From 8.5 to 110 (80ft to100ft)	90.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic T-Brackets From 8.5 to 110 (60ft to80ft)	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
8.5 to 110 (60ft to80ft) CCISeismic T-Brackets From 8.5 to 110 (40ft to60ft)	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
8.5 to 110 (40ft tooott) CCISeismic T-Brackets From 8.5 to 110 (20ft to40ft)	30,00	0.00	0.0000	0.00	0.00	0.00	0.00
8.5 to 110 (20ft to 40ft) CCISeismic T-Brackets From 8.5 to 110 (8.5ft to 20ft)	14.25	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (12) 1-5/8" From 0	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
to 110 (105ft to 110ft) CCISeismic (12) 1-5/8" From 0	102.50	0.00	0.0000	0.00	0.00	0.00	0.00

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Description	Elevation	Offset From Centroid	Azimuth Angle	E_{v}	E_{hx}	E_{hz}	E_h
	ft	fi	0	K	K	K	K
to 110 (100ft to 105ft)					-		A
CCISeismic (12) 1-5/8" From 0 to 110 (80ft to 100ft)	90.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (12) 1-5/8" From 0 to 110 (60ft to 80ft)	70.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (12) 1-5/8" From 0 to 110 (40ft to60ft)	50.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (12) 1-5/8" From 0 to 110 (20ft to 40ft)	30.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic (12) 1-5/8" From 0 to 110 (0ft to 20ft)	10.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic heliax-hj 3" From 0 to 110 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 3" From 0 to 110 (100ft to 105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 3" From 0 to 110 (80ft to 100ft)	90.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 3" From 0 to 110 (60ft to 80ft)	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 3" From 0 to 110 (40ft to60ft)	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 3" From 0 to 110 (20ft to 40ft)	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 3" From 0 to 110 (0ft to 20ft)	10.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (4) 3/4" From 0 to 110 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (4) 3/4" From 0 to 110 (100ft to105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (4) 3/4" From 0 to 110 (80ft to100ft)	90.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (4) 3/4" From 0 to 110 (60ft to80ft)	70.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (4) 3/4" From 0 to 110 (40ft to60ft)	50.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (4) 3/4" From 0 to 110 (20ft to40ft)	30.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic (4) 3/4" From 0 to 110 (0ft to 20ft)	10.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (100ft to 105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (80ft to 100ft)	90.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (60ft to80ft)	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (40ft to60ft)	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (20ft to 40ft)	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (0ft to 20ft)	10.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (105ft to 110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (100ft to 105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (80ft to 100ft)	90.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8"	70.00	0.00	0.0000	0.00	0.00	0.00	0.00

FDH Infrastructure Services,

DH Infrastructure Service LLC 6521 Meridien Drive Raleigh, North Carolina 27616 Phone: (919) 755-1012 FAX: (919) 755-1031

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			1 1 1	77	E_{hx}	E_{hz}	E_h
Description	Elevation	Offset From Centroid	Azimuth Angle	$E_{\scriptscriptstyle ec{v}}$	Ehx	121/2	L _{ii}
	ft	ft	0	K	K	K	K
From 0 to 110 (60ft to 80ft) CCISeismic (2) heliax-hj 3/8"	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
From 0 to 110 (40ft to60ft) CCISeismic (2) heliax-hj 3/8"	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
From 0 to 110 (20ft to 40ft) CCISeismic (2) heliax-hj 3/8"	10.00	0.00	0.0000	0.00	0.00	0.00	0.00
From 0 to 110 (0ft to 20 ft) CCISeismic (8) (6) 1-5/8"; (2)	88.25	0.00	0.0000	0.01	0.00	0.00	0.01
1-5/8" Hybrid From 9.5 to 96.5 (80ft to 96.5 ft) CCISeismic (8) (6) 1-5/8"; (2)	70.00	0.00	0.0000	0.01	0.00	0.00	0.01
1-5/8" Hybrid From 9.5 to 96.5 (60ft to80ft)			0.000	0.01	0.00	0.00	0.01
CCISeismic (8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5	50.00	0.00	0.0000	0.01	0.00	0,00	0.01
(40ft to60ft) CCISeismic (8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5	30.00	0.00	0.0000	0.01	0.00	0.00	0.00
(20ft to40ft) CCISeismic (8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5	14.75	0.00	0.0000	0.00	0.00	0.00	0.00
(9.5ft to20ft) CCISeismic T-Brackets From	87.50	0.00	0.0000	0.00	0.00	0.00	0.00
9.5 to 95 (80ft to 95ft) CCISeismic T-Brackets From	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
9.5 to 95 (60ft to80ft) CCISeismic T-Brackets From 9.5 to 95 (40ft to60ft)	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From 9.5 to 95 (20ft to40ft)	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
9.5 to 95 (25ft to-40ft) CCISeismic T-Brackets From 9.5 to 95 (9.5ft to20ft)	14.75	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 7/8" From 9 to 57 (40ft to 57ft)	48.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 7/8" From 9 to 57 (20ft to40ft)	30.00	0.00	0.0000	·· 0.00	0.00	0.00	0.00
CCISeismic heliax-hj 7/8" From 9 to 57 (9ft to 20ft)	14.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (120ft to 128ft)	124.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (115ft to120ft)	117.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (110ft to115ft)	112.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (100ft to105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (80ft to 100ft)	90.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (60ft to80ft)	70.00	0.00	0.0000	0.00	0.00	0.00	
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (40ft to60ft)	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (20ft to40ft)	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (9ft to20ft)	14.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9.5 to 55 (40ft to55ft)	47.50	0.00	0.0000	0.00	0.00	0.00	0.00

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Description	Elevation	Offset From Centroid	Azimuth Angle	$E_{ u}$	E_{hx}	E_{hz}	E_h
	ft	ft	0	K	K	K	K
CCISeismic (2) heliax-hj 7/8"	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
From 9.5 to 55 (20ft to 40ft)							
CCISeismic (2) heliax-hj 7/8"	14.75	0.00	0.0000	0.00	0.00	0.00	0.00
From 9.5 to 55 (9.5ft to20ft)	0.00						
CCISeismic T-Brackets From 8.5 to 95 (80ft to 95ft)	87.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From	70.00	0.00	0.0000	0.00			
8.5 to 95 (60ft to 80ft)	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
8.5 to 95 (40ft to60ft)		0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From	30.00	0.00	0.0000	0.00	0.00	0.00	0,00
8.5 to 95 (20ft to40ft)		12			0,00	0.00	0.00
CCISeismic T-Brackets From	14.25	0.00	0.0000	0.00	0.00	0.00	0.00
8.5 to 95 (8.5ft to20ft)							
CCISeismic (3) andrew LDF7-50A(1-5/8") From 0 to	125.00	0.00	0.0000	0.00	0.00	0.00	0.00
130 (120ft to130ft)							
CCISeismic (3) andrew	117.50	0.00	0.0000	0.00	0.00	0.00	0.00
LDF7-50A(1-5/8") From 0 to	117.50	0.00	0.0000	0.00	0.00	0.00	0.00
130 (115ft to120ft)							
CCISeismic (3) andrew	112.50	0.00	0.0000	0.00	0.00	0.00	0.00
LDF7-50A(1-5/8") From 0 to							0.00
130 (110ft to115ft)							
CCISeismic (3) andrew	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
LDF7-50A(1-5/8") From 0 to 130 (105ft to110ft)							
CCISeismic (3) andrew	102.50	0.00	0.0000	0.00	0.00	0.00	
LDF7-50A(1-5/8") From 0 to	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
130 (100ft to105ft)							
CCISeismic (3) andrew	90.00	0.00	0.0000	0.00	0.00	0.00	0.00
LDF7-50A(1-5/8") From 0 to				0.00	0.00	0.00	0.00
130 (80ft to100ft)							
CCISeismic (3) andrew	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
LDF7-50A(1-5/8") From 0 to							
130 (60ft to80ft) CCISeismic (3) andrew	50.00	0.00	0.0000	0.00			
LDF7-50A(1-5/8") From 0 to	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
130 (40ft to60ft)							
CCISeismic (3) andrew	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
LDF7-50A(1-5/8") From 0 to				0.00	0.00	0.00	0.00
130 (20ft to40ft)							
CCISeismic (3) andrew	10.00	0.00	0.0000	0.00	0.00	0.00	0.00
LDF7-50A(1-5/8") From 0 to							
130 (0ft to 20ft) CCISeismic andrew	125.00	0.00	0.0000				
LDF4-50A(1/2") From 0 to 130	125.00	0.00	0.0000	0.00	0.00	0.00	0.00
(120ft to130ft)							
CCISeismic andrew	117.50	0.00	0.0000	0.00	0.00	0.00	0.00
LDF4-50A(1/2") From 0 to 130		-	0.0000	0.00	0.00	0.00	0.00
(115ft to120ft)							
CCISeismic andrew	112.50	0.00	0.0000	0.00	0.00	0.00	0.00
LDF4-50A(1/2") From 0 to 130							
(110ft to115ft) CCISeismic andrew	105.50						
LDF4-50A(1/2") From 0 to 130	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
(105ft to110ft)							
CCISeismic andrew	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
LDF4-50A(1/2") From 0 to 130	.02.00	0.00	0.0000	0.00	0.00	0.00	0.00
(100ft to 105ft)					× .	6	
CCISeismic andrew	90.00	0.00	0.0000	0.00	0.00	0.00	0.00
							3.00

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Description	Elevation	Offset From	Azimuth Angle	$E_{ m v}$	E_{hx}	E_{hz}	E_h
	A	Centroid ft	۰	K	K	K	K
LDF4-50A(1/2") From 0 to 130							
(80ft to100ft)				0.00	0.00	0.00	0.00
CCISeismic andrew	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
LDF4-50A(1/2") From 0 to 130							
(60ft to80ft)			0.0000	0.00	0.00	0.00	0.00
CCISeismic andrew	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
LDF4-50A(1/2") From 0 to 130							
(40ft to60ft)			0.0000	0.00	0.00	0.00	0.00
CCISeismic andrew	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
LDF4-50A(1/2") From 0 to 130							
(20ft to40ft)		0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic andrew	10.00	0.00	0.0000	0.00	0.00	0,00	0.00
LDF4-50A(1/2") From 0 to 130							
(0ft to20ft)		0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic commscope	121.50	0.00	0.0000	5 0.00	0.00	0.00	
EW90(ELLIPTICAL) From 0 to							
123 (120ft to123ft)		0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic commscope	117.50	0.00	0.0000	0.00	0.00	0.00	
EW90(ELLIPTICAL) From 0 to							
123 (115ft to120ft)	440.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic commscope	112.50	0.00	0.0000	0.00	0.00	5.00	
EW90(ELLIPTICAL) From 0 to							
123 (110ft to115ft)	105.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic commscope	107.50	0.00	0.0000	0.00	0.00	0.00	
EW90(ELLIPTICAL) From 0 to							
123 (105ft to110ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic commscope	102.50	0.00	0.0000	0.00	0.00		
EW90(ELLIPTICAL) From 0 to							
123 (100ft to105ft)	90.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic commscope	90.00	0.00	0.0000	0.00			
EW90(ELLIPTICAL) From 0 to							
123 (80ft to 100ft)	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic commscope	70.00	0.00	0,000	0.00			
EW90(ELLIPTICAL) From 0 to							
123 (60ft to80ft)	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic commscope	30.00	0.00	0.0000	0.00			
EW90(ELLIPTICAL) From 0 to							
123 (40ft to60ft)	20.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic commscope	30.00	0.00	0.0000	0.00			
EW90(ELLIPTICAL) From 0 to							
123 (20ft to40ft)	10.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic commscope	10.00	0.00	0.0000	0.00			
EW90(ELLIPTICAL) From 0 to							
123 (0ft to20ft)							

Discrete Tower Loads									
Description	Face or	Offset Type	Offsets: Horz	Azimuth Adjustment	Placement		C _A A _A Front	C _A A _A Side	Weight
	Leg		Lateral Vert ft ft	۰	fi		fî²	ft^2	K
ightning Rod	С	None	fi	0.0000	130.00	No Ice	0.25	0.25	0.03

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Description	Face or	Offset Type	Offsets: Horz	Azimuth Adjustment	Placement		C _A A _A Front	$C_A A_A$ Side	Weigh
	Leg		Lateral						
			Vert ft	0	ft		ft²	ω2	V
			ft		ji		JE	ft^2	K
			fl			1 10 11 5			
						1/2" Ice 1" Ice	0.66 0.97	0.66 0.97	0.03 0.04
***						1 100	0.77	0.77	0.04
3"x12' Omni	В	From Leg	0.00	0.0000	128.00	No Ice	3.60	3.60	0.03
			0.00 2.00			1/2" Ice	4.83	4.83	0.05
3"x12' Omni	С	From Leg	0.00	0.0000	129.00	1" Ice	6.08	6.08	0.08
	0	110m Lcg	0.00	0.0000	128.00	No Ice	3.60	3.60	0.03
			2.00			1/2" Ice 1" Ice	4.83	4.83	0.05
6' Side Arm [Site Pro 1 P/N:	В	From Leg	0.00	0.0000	128.00	No Ice	6.08 0.41	6.08	0.08
PSA6]	_		0.00	0.0000	120.00	1/2" Ice	0.41	3.06 5.10	0.05
			0.00			1" Ice	1.23	7.20	0.08 0.12
6' Side Arm [Site Pro 1 P/N:	С	From Leg	0.00	0.0000	128.00	No Ice	0.41	3.06	0.12
PSA6]			0.00	0.000	120.00	1/2" Ice	0.81	5.10	0.03
			0.00			1" Ice	1.23	7.20	0.12

Air 6449 B41 w/ Pipe Mount	A	From Leg	4.00	0.0000	118.00	No Ice	6.60	2.67	0.10
			0.00			1/2" Ice	6.95	2.94	0.14
Air 6449 B41 w/ Pipe Mount	D	F I -	0.00	0.0000		1" Ice	7.31	3.22	0.18
The C449 B41 W/ Fipe Mount	В	From Leg	4.00	0.0000	118.00	No Ice	6.60	2.67	0.10
			0.00			1/2" Ice	6.95	2.94	0.14
Air 6449 B41 w/ Pipe Mount	С	From Leg	0.00	0.0000	110.00	1" Ice	7.31	3.22	0.18
th 6449 B41 W/ Tipe Mount	C	Prom Leg	4.00 0.00	0.0000	118.00	No Ice	6.60	2.67	0.10
			0.00			1/2" Ice	6.95	2.94	0.14
AIR32	Α	From Leg	4.00	0.0000	110.00	1" Ice	7.31	3.22	0.18
RD901146-1-B66A-B2A w/	11	110m FcB	0.00	0.0000	118.00	No Ice 1/2" Ice	6.75	6.07	0.15
Mount Pipe			0.00			1" Ice	7.20 7.65	6.87	0.21
AIR32	В	From Leg	4.00	0.0000	118.00	No Ice		7.58	0.28
RD901146-1-B66A-B2A w/	_	Trom Log	0.00	0.0000	110.00	1/2" Ice	6.75 7.20	6.07 6.87	0.15
Mount Pipe			0.00			1" Ice	7.65	7.58	0.21
AIR32	С	From Leg	4.00	0.0000	118.00	No Ice	6.75	6.07	0.28
RD901146-1-B66A-B2A w/			0.00	0.0000	115.00	1/2" Ice	7.20	6.87	0.15 0.21
Mount Pipe			0.00			1" Ice	7.65	7.58	0.21
APXVAALL24_43-U-NA20	A	From Leg	4.00	0.0000	118.00	No Ice	14.69	6.87	0.19
w/ Mount Pipe		J	0.00		110.00	1/2" Ice	15.46	7.55	0.19
			0.00			1" Ice	16.23	8.25	0.46
APXVAALL24_43-U-NA20	В	From Leg	4.00	0.0000	118.00	No Ice	14.69	6.87	0.19
w/ Mount Pipe			0.00			1/2" Ice	15.46	7.55	0.31
			0.00			1" Ice	16.23	8.25	0.46
PXVAALL24_43-U-NA20	C	From Leg	4.00	0.0000	118.00	No Ice	14.69	6.87	0.19
w/ Mount Pipe			0.00			1/2" Ice	15.46	7.55	0.31
1110 755 - 705		_	0.00			1" Ice	16.23	8.25	0.46
4449 B71 + B85	Α	From Leg	4.00	0.0000	118.00	No Ice	2.09	1.59	0.07
			0.00			1/2" Ice	2.27	1.75	0.09
4440 DZ1 + D05			0.00			1" Ice	2.46	1.92	0.12
4449 B71 + B85	В	From Leg	4.00	0.0000	118.00	No Ice	2.09	1.59	0.07
			0.00			1/2" Ice	2.27	1.75	0.09
4449 B71 + B85		E * -	0.00	0.0007		1" Ice	2.46	1.92	0.12
++++7 D/1 T D03	С	From Leg	4.00	0.0000	118.00	No Ice	2.09	1.59	0.07
			0.00			1/2" Ice	2.27	1.75	0.09
4415 B25	٨	From Leg	0.00	0.0000	110.00	1" Ice	2.46	1.92	0.12
TT13 B23	Α	riom Leg	4.00	0.0000	118.00	No Ice	2.02	1.25	0.06
			0.00 0.00			1/2" Ice	2.20	1.40	0.08
4415 B25	В	From Leg	4.00	0.0000	110.00	1" Ice	2.39	1.56	0.10
		TIOHI LCB	4.00	0.0000	118.00	No Ice	2.02	1.25	0.06

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Description	Face or	Offset Type	Offsets: Horz	Azimuth Adjustment	Placement		$C_A A_A$ Front	C₄A₄ Side	Weight
	Leg		Lateral Vert ft	3 0 3	ft		ft²	ft²	K
			ft ft						
			0.00			1" Ice	2.39	1.56	0.10
4415 B25	С	From Leg	4.00	0.0000	118.00	No Ice	2.02	1.25	0.06
	4		0.00			1/2" Ice	2.20	1.40 1.56	$0.08 \\ 0.10$
			0.00		110.00	1" Ice	2.39 0.24	0.10	0.10
SDX1926Q-43	Α	From Leg	4.00	0.0000	118.00	No Ice 1/2" Ice	0.24	0.14	0.01
			0.00			1" Ice	0.37	0.19	0.01
			0.00	0.0000	118.00	No Ice	0.24	0.10	0.01
SDX1926Q-43	В	From Leg	4.00	0.0000	118.00	1/2" Ice	0.30	0.14	0.01
			0.00			1" Ice	0.37	0.19	0.01
	_	T 1	0.00	0.0000	118.00	No Ice	0.24	0.10	0.01
SDX1926Q-43	С	From Leg	4.00 0.00	0.0000	110.00	1/2" Ice	0.30	0.14	0.01
			0.00			1" Ice	0.37	0.19	0.01
		F I	4.00	0.0000	118.00	No Ice	1.50	0.50	0.02
KRY 112 71	A	From Leg	0.00	0.0000	110.00	1/2" Ice	1.65	0.60	0.03
			0.00			1" Ice	1.81	0.72	0.04
***************************************	D	Erom I ac	4.00	0.0000	118.00	No Ice	1.50	0.50	0.02
KRY 112 71	В	From Leg	0.00	0.0000	110.00	1/2" Ice	1.65	0.60	0.03
			0.00			1" Ice	1.81	0.72	0.04
WDW 112.51	С	From Leg	4.00	0.0000	118.00	No Ice	1.50	0.50	0.02
KRY 112 71	C	Pion Log	0.00	0.0000		1/2" Ice	1.65	0.60	0.03
			0.00			1" Ice	1.81	0.72	0.04
Santa - France (CitaDeo 1 D/N)	Α	From Leg	2.00	0.0000	118.00	No Ice	13.20	9.20	0.66
Sector Frame (SitePro 1 P/N:		TIOM LOG	0.00	***************************************		1/2" Ice	19.50	14.60	0.80
VFA12-HD)			0.00			1" Ice	25.80	19.50	1.01
Sector Frame (SitePro 1 P/N:	В	From Leg	2.00	0.0000	118.00	No Ice	13.20	9.20	0.66
VFA12-HD)	_	2.10	0.00			1/2" Ice	19.50	14.60	0.80
VIAIZ-IID)			0.00			1" Ice	25.80	19.50	1.01
Sector Frame (SitePro 1 P/N:	С	From Leg	2.00	0.0000	118.00	No Ice	13.20	9.20	0.66
VFA12-HD)		J	0.00			1/2" Ice 1" Ice	19.50 25.80	14.60 19.50	0.80 1.01
			0.00			1 100	22.00	17.50	1.01
***		F I am	4.00	0.0000	110.00	No Ice	12.25	6.05	0.09
OPA65R-BU6DA w/ Mount	Α	From Leg	0.00	0.0000	110.00	1/2" Ice	13.00	6.71	0.18
Pipe			0.00			1" Ice	13.76	7.39	0.27
	D	From Leg	4.00	0.0000	110.00	No Ice	12.25	6.05	0.09
OPA65R-BU6DA w/ Mount	В	LIOIII Leg	0.00	0.0000		1/2" Ice	13.00	6.71	0.18
Pipe			0.00			1" Ice	13.76	7.39	0.27
ODA CER DIICDA/ Mount	С	From Leg	4.00	0.0000	110.00	No Ice	12.25	6.05	0.09
OPA65R-BU6DA w/ Mount	C	From Log	0.00			1/2" Ice	13.00	6.71	0.18
Pipe			0.00			1" Ice	13.76	7.39	0.27
RRUS 4478 B14	Α	From Leg	4.00	0.0000	110.00	No Ice	1.84	1.06	0.06
RRUS 44/8 B14	71	TIOID LOB	0.00			1/2" Ice	2.01	1.20	0.08
			0.00			1" Ice	2.19	1.34	0.09
RRUS 4478 B14	В	From Leg	4.00	0.0000	110.00	No Ice	1.84	1.06	0.06
KKUS 44/8 B14			0.00			1/2" Ice	2.01	1.20	0.08
			0.00			1" Ice	2.19	1.34	0.09
RRUS 4478 B14	С	From Leg	4.00	0.0000	110.00	No Ice	1.84	1.06	0.06
KKOD TTO DIT	_		0.00			1/2" Ice	2.01	1.20	0.08
			0.00			1" Ice	2.19	1.34	0.09
7770 w/Mount Pipe	Α	From Face	4.00	0.0000	110.00	No Ice	6.20	4.94	0.07
///O W/MOURE I T/O			0.00			1/2" Ice	6.76	5.86	0.12
			0.00			1" Ice	7.27	6.64	0.19
7770 w/Mount Pipe	В	From Face	4.00	0.0000	110.00	No Ice	6.20	4.94	0.07
///O W/12Outle Lips	_		0.00		#1	1/2" Ice	6.76	5.86	0.12
			0.00			1" Ice	7.27	6.64	0.19 0.07
	С	From Face	4.00	0.0000	110.00	No Ice	6.20	4.94	0.07

FDH Infrastructure Services, LLC 6521 Meridien Drive Raleigh, North Carolina 27616 Phone: (919) 755-1012 FAX: (919) 755-1031

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Description	Face or	Offset Type	Offsets: Horz	Azimuth Adjustment	Placement		$C_A A_A$ Front	C₁A₄ Side	Weigh
	Leg		Lateral						
			Vert ft	0	a		ft²	G ²	7/
			ft		ft		JF	ft^2	K
			0.00		_	1/2" Ice	6.76	5.86	0.12
			0.00			1" Ice	7.27	6.64	0.12
800 10965 w/ Mount Pipe	Α	From Face	4.00	0.0000	110.00	No Ice	14.05	7.63	0.14
			0.00			1/2" Ice	14.69	8.90	0.23
			0.00			1" Ice	15.30	9.96	0.34
800 10965 w/ Mount Pipe	В	From Face	4.00	0.0000	110.00	No Ice	14.05	7.63	0.14
			0.00			1/2" Ice	14.69	8.90	0.23
			0.00			1" Ice	15.30	9.96	0.34
800 10965 w/ Mount Pipe	C	From Face	4.00	0.0000	110.00	No Ice	14.05	7.63	0.14
			0.00			1/2" Ice	14.69	8.90	0.23
CE 16 VI II DD/16			0.00			1" Ice	15.30	9.96	0.34
P65-16-XLH-RR w/ Mount	Α	From Face	4.00	0.0000	110.00	No Ice	8.37	6.36	0.08
Pipe			0.00			1/2" Ice	8.93	7.54	0.14
P65-16-XLH-RR w/ Mount	В	F F	0.00	0.0000		1" Ice	9.46	8.43	0.22
Pipe	В	From Face	4.00	0.0000	110.00	No Ice	8.37	6.36	0.08
1 ipe			0.00			1/2" Ice	8.93	7.54	0.14
265-16-XLH-RR w/ Mount	С	From Face	0.00	0.0000	110.00	1" Ice	9.46	8.43	0.22
Pipe	C	FIOIII Face	4.00 0.00	0.0000	110.00	No Ice	8.37	6.36	0.08
1 ipc			0.00			1/2" Ice	8.93	7.54	0.14
(2) LGP21401 TMA	Α	From Face	4.00	0.0000	110.00	1" Ice	9.46	8.43	0.22
(2) EGIZITOI IMA	71	I TOLLI I acc	0.00	0.0000	110.00	No Ice	0.82	0.35	0.02
			0.00			1/2" Ice	0.94	0.44	0.02
(2) LGP21401 TMA	В	From Face	4.00	0.0000	110.00	1" Ice No Ice	1.06 0.82	0.54	0.03
(=) ===================================	_	1 10III 1 1100	0.00	0.0000	110.00	1/2" Ice	0.82	0.35 0.44	0.02
			0.00			1" Ice	1.06	0.54	0.02
(2) LGP21401 TMA	С	From Face	4.00	0.0000	110.00	No Ice	0.82	0.34	0.03
` ,			0.00	0.0000	110.00	1/2" Ice	0.94	0.33	0.02
			0.00			1" Ice	1.06	0.54	0.02
TT19-08BP111-001	Α	From Face	4.00	0.0000	110.00	No Ice	0.55	0.45	0.03
			0.00		110100	1/2" Ice	0.65	0.53	0.02
			0.00			1" Ice	0.75	0.63	0.03
TT19-08BP111-001	В	From Face	4.00	0.0000	110.00	No Ice	0.55	0.45	0.02
			0.00			1/2" Ice	0.65	0.53	0.02
			0.00			1" Ice	0.75	0.63	0.03
TT19-08BP111-001	C	From Face	4.00	0.0000	110.00	No Ice	0.55	0.45	0.02
			0.00			1/2" Ice	0.65	0.53	0.02
			0.00			1" Ice	0.75	0.63	0.03
RRUS-11	Α	From Face	4.00	0.0000	110.00	No Ice	2.52	1.07	0.06
			0.00			1/2" Ice	2.72	1.21	0.07
P.P. 10.44	_	_	0.00			1" Ice	2.92	1.36	0.10
RRUS-11	В	From Face	4.00	0.0000	110.00	No Ice	2.52	1.07	0.06
			0.00			1/2" Ice	2.72	1.21	0.07
DDIIG 11			0.00			1" Ice	2.92	1.36	0.10
RRUS-11	С	From Face	4.00	0.0000	110.00	No Ice	2.52	1.07	0.06
			0.00			1/2" Ice	2.72	1.21	0.07
DDI 10 4470 DE			0.00			1" Ice	2.92	1.36	0.10
RRUS 4478 B5	Α	From Face	4.00	0.0000	110.00	No Ice	1.84	1.06	0.06
			0.00			1/2" Ice	2.01	1.20	0.08
RRUS 4478 B5	D	Prom F	0.00	0.0000	110.00	1" Ice	2.19	1.34	0.09
VVO9 44 6 D3	В	From Face	4.00	0.0000	110.00	No Ice	1.84	1.06	0.06
			0.00			1/2" Ice	2.01	1.20	0.08
RRUS 4478 B5	С	From Face	0.00	0.0000	110.00	1" Ice	2.19	1.34	0.09
AROS TTIO DO		I IOIII FACE	4.00	0.0000	110.00	No Ice	1.84	1.06	0.06
			0.00 0.00			1/2" Ice	2.01	1.20	0.08
RRUS 4415 B25	Α	From Face		0.0000	110.00	1" Ice	2.19	1.34	0.09
ALLOU TTIJ DEJ	А	1 10m Face	4.00	0.0000	110.00	No Ice	1.64	0.68	0.04

FDH Infrastructure Services, LLC

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Description	Face or	Offset Type	Offsets: Horz Lateral	Azimuth Adjustment	Placement		$C_A A_A$ Front	C _A A _A Side	Weigh	
	Leg		Laterat Vert ft	۰	ft		ft² ft²		K	
			ft ft							
			0.00			1/2" Ice	1.80	0.79	0.06	
			0.00			1" Ice	1.97	0.91	0.07	
RRUS 4415 B25	В	From Face	4.00	0.0000	110.00	No Ice	1.64	0.68	0.04	
			0.00			1/2" Ice	1.80	0.79	0.06	
			0.00			1" Ice	1.97	0.91	0.07	
RRUS 4415 B25	C	From Face	4.00	0.0000	110.00	No Ice	1.64	0.68 0.79	0.04 0.06	
			0.00			1/2" Ice	1.80	0.79	0.07	
			0.00	0.0000	110.00	1" Ice No Ice	1.97 1.21	1.21	0.07	
DC6-48-60-18-8F	Α	From Face	0.50	0.0000	110.00	1/2" Ice	1.89	1.89	0.05	
			0.00			1" Ice	2.11	2.11	0.08	
	_		0.00	0.0000	110.00	No Ice	1.21	1.21	0.03	
DC6-48-60-18-8F	В	From Face	0.50	0.0000	110.00	1/2" Ice	1.89	1.89	0.05	
			0.00			1" Ice	2.11	2.11	0.08	
	-	37	0.00	0.0000	110.00	No Ice	15.85	15.85	1.50	
(3) 12' Sector Mounts [Sabre	C	None		0.0000	110.00	1/2" Ice	20.80	20.80	1.95	
C10857001C]						1" Ice	25.75	25.75	2.40	
***			1.00	0.0000	06.00	No Ice	6.68	3.78	0.11	
MT6407-77A w/Mount Pipe	Α	From Leg	4.00	0.0000	96.00	1/2" Ice	7.54	4.87	0.16	
			0.00			1" Ice	8.31	5.82	0.22	
	_		2.00	0.0000	96.00	No Ice	6.68	3.78	0.11	
MT6407-77A w/Mount Pipe	В	From Leg	4.00	0.0000	90.00	1/2" Ice	7.54	4.87	0.16	
			0.00			1" Ice	8.31	5.82	0.22	
	0	D I	2.00 4.00	0.0000	96.00	No Ice	6.68	3.78	0.11	
MT6407-77A w/Mount Pipe	С	From Leg	0.00	0.0000	70.00	1/2" Ice	7.54	4.87	0.16	
			2.00			1" Ice	8.31	5.82	0.22	
(A) A STOCED OCCO OR TIA	Α	From Leg	4.00	0.0000	96.00	No Ice	10.11	8.99	0.10	
(2) MX06FRO660-03_TIA	Α	rioiii Leg	0.00	0.0000	, , , , ,	1/2" Ice	10.68	10.15	0.19	
w/ Mount Pipe			2.00			1" Ice	11.22	11.03	0.29	
(2) MY06ED 0660 03 TIA	В	From Leg	4.00	0.0000	96.00	No Ice	10.11	8.99	0.10	
(2) MX06FRO660-03_TIA w/ Mount Pipe	ъ	I tom Ece	0.00			1/2" Ice	10.68	10.15	0.19	
w/ Mount Fipe			2.00			1" Ice	11.22	11.03	0.29	
(2) MX06FRO660-03_TIA	С	From Leg	4.00	0.0000	96.00	No Ice	10.11	8.99	0.10	
w/ Mount Pipe	_	210	0.00			1/2" Ice	10.68	10.15	0.19	
w/ Mount Tipe			2.00			1" Ice	11.22	11.03	0.29	
BXA-80090-8CF-EDIN-X w/	Α	From Leg	4.00	0.0000	96.00	No Ice	8.44	8.70	0.06	
Mount Pipe			0.00			1/2" Ice	9.13	10.20	0.13	
Would ipe			2.00			1" Ice	9.83	11.70	0.21	
BXA-80090-8CF-EDIN-X w/	В	From Leg	4.00	0.0000	96.00	No Ice	8.44	8.70	0.06	
Mount Pipe			0.00			1/2" Ice	9.13	10.20	0.13	
1,100m - IP			2.00			1" Ice	9.83	11.70	0.21	
BXA-80090-8CF-EDIN-X w/	С	From Leg	4.00	0.0000	96.00	No Ice	8.44	8.70	0.06	
Mount Pipe			0.00			1/2" Ice	9.13	10.20	0.13	
1			2.00			1" Ice	9.83	11.70	0.21	
RF4439d-25A	A	From Leg	4.00	0.0000	96.00	No Ice	2.18	1.46	0.07	
			0.00			1/2" Ice	2.37	1.63	0.09	
			2.00		07.00	I" Ice	2.58	1.80	0.11 0.07	
RF4439d-25A	В	From Leg	4.00	0.0000	96.00	No Ice	2.18	1.46	0.07	
			0.00			1/2" Ice	2.37 2.58	1.63 1.80	0.09	
			2.00	0.0000	06.00	1" Ice	2.38	1.46	0.11	
RF4439d-25A	С	From Leg	4.00	0.0000	96.00	No Ice 1/2" Ice	2.18	1.46	0.07	
			0.00			1" Ice	2.58	1.80	0.11	
			2.00	0.0000	96.00	No Ice	2.18	1.32	0.07	
RF4440d-13A	A	From Leg	4.00	0.0000	90.00	1/2" Ice	2.37	1.48	0.09	
			0.00			1/2 100	4-1	1.64	0.11	

FDH Infrastructure Services, LLC 6521 Meridien Drive

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Description	Face	Offset	Offsets:	Azimuth	Placement		$C_A A_A$	$C_A A_A$	Weigh
	or	Туре	Horz	Adjustment			Front	Side	_
	Leg		Lateral						
			Vert	120					
			ft	0	ft		ft²	ft^2	K
			ft ft						
RF4440d-13A	В	From Leg	4.00	0.0000	96.00	No Ice	2.18	1.32	0.07
		· ·	0.00		, 0.00	1/2" Ice	2.37	1.48	0.07
			2.00			1" Ice	2.58	1.64	0.11
RF4440d-13A	C	From Leg	4.00	0.0000	96.00	No Ice	2.18	1.32	0.07
		Ü	0.00		, ,,,,,	1/2" Ice	2.37	1.48	0.09
			2.00			1" Ice	2.58	1.64	0.11
RRFDC-3315-PF-48	Α	From Leg	4.00	0.0000	96.00	No Ice	3.02	1.96	0.03
		. •	0.00			1/2" Ice	3.24	2.15	0.06
			2.00			1" Ice	3.47	2.35	0.09
RRFDC-3315-PF-48	В	From Leg	4.00	0.0000	96.00	No Ice	3.02	1,96	0.03
		·	0.00			1/2" Ice	3.24	2.15	0.06
			2.00			1" Ice	3.47	2.35	0.09
(3) 10' x 2' T-Arms	С	None		0.0000	96.00	No Ice	17.87	17.87	1.74
						1/2" Ice	25.31	25.31	1.16
						1" Ice	32.75	32.75	1.52
(2) KA-6030	Α	From Leg	4.00	0.0000	96.00	No Ice	0.96	0.29	0.02
		Ü	0.00			1/2" Ice	1.09	0.36	0.02
			2.00			1" Ice	1.22	0.45	0.03
***						1 100	1.22	0.10	0.02
本本本									
1.9"Ø x 9.8' Pipe Mount	В	From Leg	0.00	0.0000	55.00	No Ice	1.65	1.65	0.02
			0.00			1/2" Ice	2.67	2.67	0.04
			0.00			1" Ice	3.71	3.71	0.06
申本米								3.,1	0.00

(3) BPA7496-180-14	Α	From Leg	4.00	0.0000	128.00	No Ice	12.38	10.62	0.07
w/Mount Pipe			0.00			1/2" Ice	13.15	12.32	0.17
			2.00			1" Ice	13.93	14.04	0.27
432F-83W-01-T	Α	From Leg	4.00	0.0000	128.00	No Ice	1.40	0.82	0.01
			0.00			1/2" Ice	1.55	0.94	0.02
			2.00			1" Ice	1.70	1.06	0.04
2' Standard Duty V-Frame	A	From Leg	0.00	0.0000	128.00	No Ice	10.80	6.40	0.43
[Site Prol P/N:			0.00			1/2" Ice	16.20	10.00	0.52
VFA12-SD-S] ******			0.00			1" Ice	21.40	13.50	0.66
Pipe Mount	В	From Leg	0.50	0.0000	123.00	No Ice	1.19	1.19	0.04
•			0.00	210000	123.00	1/2" Ice	1.50	1.50	0.04
			0.00			1" Ice	1.81	1.81	0.05

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustment	3 dB Beam Width	Elevation	Outside Diameter		Aperture Area	Weigh
				ft	0	0	fi	ft		ft²	K
PR-850	A	Grid	From	0.50	0.0000		57.00	5.67	No Ice	25,22	0.04
			Leg	0.00					1/2" Ice	25.97	0.17
**				0.00					1" Ice	26.71	0.30
PR-850	В	Grid	From	0.50	10.0000		55.00	5.67	No Ice	25.22	0.04

tnxTower	Job	CT98078-L-03_ Wilton CT - Optasite	Page 26 of 59
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6521 Meridien Drive Raleigh, North Carolina 27616 Phone: (919) 755-1012 FAX: (919) 755-1031	Client	SBA	Designed by Hailey Hipp

Description Face or Leg	or	Dish Type	Offset Type	Offsets: Horz Lateral	Azimuth Adjustment	3 dB Beam Width	Elevation	Outside Diameter		Aperture Area	Weigh
			Vert	o.	0	fi	ft		ft²	K	
			Leg	0.00					1/2" Ice	25.97	0.17
			0	2.00			55.00		1" Ice	26.71	0.30
		0-14	From	0.50				5.67	No Ice	25.22	0.04
PR-850	В	Grid	_	0.00					1/2" Ice	25.97	0.17
			Leg 0.00 -4.00						1" Ice	26.71	0.30
**							122.00	3.28	No Ice	8.47	0.05
VHLP3-11W B	В	3 Paraboloid	From	n 1.00	38.4400	123.00	3.28	1/2" Ice	8.90	0.10	
		w/Shroud (HP)	P) Leg	0.00							0.14
				0.00					1" Ice	9.34	0.14

Tower Pressures - No Ice

 $G_H = 0.850$

Section	z	Kz	qz	A_G	F	A_F	A_R	A_{leg}	Leg	C_AA_A	$C_A A_A$
Elevation	· ·	112	4,	0	a				%	In	Out
Elevation					c					Face	Face
ft	ft		psf	ft²	e	ft²	ft²	ft²		ft²	ft ²
T1	125.00	1.053	29	56.458	A	5.716	2.917	2.917	33.79	0.000	0.000
130.00-120.00	. 125.00	1.055			В	5.716	2.917	v .	33.79	1.776	0.000
130.00-120.00					С	5.716	2.917		33.79	6.966	0.000
T2	117.50	1.035	29	28.229	A	3.198	1.458	1.458	31.32	4.158	0.000
120.00-115.00	117.50	1.055	27		В	3.198	1.458		31.32	4.787	0.000
120.00-113.00					l c	3.198	1.458		31.32	3.945	0.000
T3	112.50	1.022	28	28.229	A	2.412	1.458	1.458	37.68	6.930	0.000
115.00-110.00	112.50	1.022			В	2.412	1.458		37.68	7.237	0.000
115.00-110.00					Ιċ	2,412	1.458		37.68	3.945	0.000
T4	107.50	1.009	28	28.229	Ā	2.412	1.458	1.458	37.68	20.018	0.000
110.00-105.00	107.50	1.007	20	20.22	В	2.412	1.458		37.68	7.237	0.000
110.00-105.00		1			Гc	2.412	1.458		37.68	5.825	0.000
T5	102.50	0.995	28	28.229	Ā	3.304	1.458	1.458	30.62	20.018	0.000
105.00-100.00	102.50	0.775	20	20.22	В	3.304	1.458		30.62	7.237	0.000
105.00-100.00					Ιc	3.304	1.458		30.62	5.825	0.000
т6	90.00	0.959	27	114.167	l ă	9,535	8.333	8.333	46.64	80.073	0.000
100.00-80.00	90.00	0.555	2,	1111107	В	9.535	8.333		46.64	31.450	0.000
100.00-80.00					ĺć	9.535	8.333		46.64	51.936	0.000
TT 00 00 (0 00	70.00	0.892	25	129.587	Ă	11.091	9.175	9.175	45.27	80.073	0.000
T7 80.00-60.00	/0.00	0.072	23	127.507	В	11.091	9.175		45.27	32.283	0.000
					١č	11.091	9.175		45.27	58.313	0.000
	50.00	0.811	23	160.004	I Ă	11.905	10,009	10.009	45.68	80.073	0.000
T8 60.00-40.00	50.00	0.611	23	100.004	В	11.905	10.009		45.68	34.170	0.000
		1			ľč	11.905	10.009		45.68	61.643	0.000
	20.00	0.701	19	190.420	Ă	16.215	10.843	10.843	40.07	80.073	0.000
T9 40.00-20.00	30.00	0.701	19	150.420	B	16.215	10.843		40.07	34.503	0.000
					ľč	16.215	10.843		40.07	62.753	0.000
	10.00	0.7	19	220.837	A	17.769	11.678	11.678	39.66	78.657	0.000
T10 20.00-0.00	10.00	0.7	19	220.837	B	17.769	11.678	11.070	39.66	30.090	0.000
					ľĉ	17.769	11.678		39.66	44.013	0.000

Tower Pressure - With Ice

FDH Infrastructure Services, LLC

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Section	Z	Kz	q:	t_Z	A_G	F	A_F	A_R	A_{leg}	Leg	$C_{\Lambda}A_{\Lambda}$	C_AA_A
Elevation			1			а	1 1			%	In	Out
						С		1			Face	Face
ft	fi		psf	in	ft²	e	ſt²	ft²	ft²		ft²	ft²
T1	125.00	1.053	5	0.9711	58.077	A	5.716	11.705	6.154	35.32	0.000	0.000
130.00-120.00						В	5.716	11.705		35.32	5.572	0.000
						C	5.716	11.705		35.32	15.688	0.000
T2	117.50	1.035	5	0.9651	29.033	A	3.198	6.154	3.067	32.79	4.885	0.000
120.00-115.00						В	3.198	6.154		32.79	8.264	0.000
770	115.50				.000.000	С	3.198	6.154		32.79	8.964	0.000
T3	112.50	1.022	5	0.9609	29.030	Α	2.412	5.378	3.060	39.28	8.134	0.000
115.00-110.00						В	2.412	5.378		39.28	11.439	0.000
	40= -0				0.50000000	C	2.412	5.378		39.28	8.949	0.000
T4	107.50	1.009	5	0.9566	29.026	Α	2.412	5.360	3.053	39.28	23.045	0.000
110.00-105.00	- 1					В	2.412	5.360	1	39.28	11.419	0.000
me l	100 50					С	2.412	5.360		39.28	13.589	0.000
T5	102.50	0.995	5	0.9520	29.023	Α	3.304	6.191	3.045	32.07	23.017	0.000
105.00-100.00	- 1	- 1				В	3.304	6.191		32.07	11.399	0.000
TC 100 00 00 00						C	3.304	6.191		32.07	13.559	0.000
T6 100.00-80.00	90.00	0.959	5	0.9397	117.299	A	9.535	23.558	14.598	44.11	91.771	0.000
						В	9.535	23.558		44.11	50.695	0.000
T7 00 00 (0 00	70.00	0.000	_		1012/6/12/02/	С	9.535	23.558		44.11	85.964	0.000
T7 80.00-60.00	70.00	0.892	5	0.9164	132.643	A	11.091	25.454	15.290	41.84	91.203	0.000
1 1	- 1					В	11.091	25.454).	41.84	51.958	0.000
T8 60.00-40.00	50.00	0.011			22222	C	11.091	25.454		41.84	92.556	0.000
18 60.00-40.00	50.00	0.811	4	0.8861	162.959	Α	11.905	26.470	15.922	41.49	90.466	0.000
1 1		- 1				В	11.905	26.470		41.49	56.194	0.000
TO 40 00 20 00	20.00	0.701		0.0440		C	11.905	26.470		41.49	101.458	0.000
T9 40.00-20.00	30.00	0.701	4	0.8419	193.229	A	16.215	26.402	16.462	38.63	89.393	0.000
						В	16.215	26.402		38.63	55.916	0.000
T10 20 00 0 00	10.00	0.5				C	16.215	26.402		38.63	102.883	0.000
T10 20.00-0,00	10.00	0.7	4	0.7543	223.354	A	17.769	26.523	16.711	37.73	84.567	0.000
1						В	17.769	26.523		37.73	42.999	0.000
L						С	17.769	26.523		37.73	75.382	0.000

Tower Pressure - Service

 $G_H = 0.850$

Section	z	Kz	q_z	A_G	F	A_F	A_R	A_{leg}	Leg	$C_A A_A$	$C_A A_A$
Elevation					а			, i	%	In	Out
					c					Face	Face
ft	fi		psf	ft ²	е	ft ²	ft²	ft²		ft²	ft²
T1	125.00	1.053	8	56.458	Α	5.716	2.917	2.917	33.79	0.000	0.000
130.00-120.00					В	5.716	2.917	6466	33.79	1.776	0.000
	G .				C	5.716	2.917		33.79	6.966	0.000
T2	117.50	1.035	8	28.229	Α	3.198	1.458	1.458	31.32	4.158	0.000
120.00-115.00					В	3.198	1.458		31.32	4.787	0.000
					C	3.198	1.458		31.32	3.945	0.000
T3	112.50	1.022	8	28.229	A	2.412	1.458	1.458	37.68	6.930	0.000
115.00-110.00					В	2.412	1.458		37.68	7.237	0.000
					C	2.412	1.458		37.68	3.945	0.000
T4	107.50	1.009	8	28.229	A	2.412	1.458	1.458	37.68	20.018	0.000
110.00-105.00					В	2.412	1.458		37.68	7.237	0.000
	27				C	2.412	1.458		37.68	5.825	0.000
T5	102.50	0.995	8	28.229	Α	3.304	1.458	1.458	30.62	20.018	0.000
105.00-100.00					В	3.304	1.458		30.62	7.237	0.000
				- 9	C	3.304	1.458		30.62	5.825	0.000

FDH Infrastructure Services, LLC

6521 Meridien Drive Raleigh, North Carolina 27616 Phone: (919) 755-1012 FAX: (919) 755-1031

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Section	Z	Kz	q_z	A_G	F	A_F	A_R	A_{leg}	Leg %	$C_A A_A$ In	C₁A₁ Out
Elevation					а				70	Face	Face
				.,	c	ft ²	fi²	ft²		race n2	ft ²
ft	ft		psf	ft ²	e		- 2"		16.61	00.072	0.000
T6	90.00	0.959	8	114.167	Α	9.535	8.333	8.333	46.64	80.073	
100.00-80.00					В	9.535	8.333		46.64	31.450	0.000
100.00 00.00				1	l c	9.535	8.333		46.64	51.936	0.000
T7 80.00-60.00	70.00	0.892	7	129.587	A	11.091	9.175	9.175	45.27	80.073	0.000
1 / 80.00-60.00	70.00	0.072		123 10 0	В	11.091	9.175		45.27	32.283	0.000
					Ιō	11.091	9.175		45.27	58.313	0.000
	50.00	0.811	6	160.004	Ă	11.905	10.009	10.009	45.68	80.073	0.000
T8 60.00-40.00	50.00	0.811	U	100.004	B	11.905	10.009	:4	45.68	34.170	0.000
				1	Č	11.905	10.009		45.68	61.643	0.000
			ا ہ	100 400	_	16.215	10.843	10.843	40.07	80.073	0.000
T9 40.00-20.00	30.00	0.701	5	190.420	A		10.843	10.045	40.07	34.503	0.000
					В	16.215			40.07	62.753	0.000
					C	16.215	10.843	11.670			0.000
T10 20.00-0.00	10.00	0.7	5	220.837	Α	17. 7 69	11.678	11.678	39.66	78.657	
					В	17.769	11.678		39.66	30.090	0.000
					С	17.769	11.678		39.66	44.013	0.000

Tower Forces - No Ice - Wind Normal To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl. Face
Elevation	Weight	Weight	а			_						Tuce
			c			psf			ft²	K	plf	
ft	K	K	e				-			0.64	63.66	В
T1	0.04	0.58	A	0.153	2.761	29	1	1	7.373	0.64	03.00	"
130.00-120.00			В	0.153	2.761		1	1	7.373			1
			C	0.153	2.761		1	1	7.373	0.42	85.26	В
T2	0.05	0.25	Α	0.165	2.717	29	1	1	4.028	0.43	85.20	-
120.00-115.00	9.		В	0.165	2.717		1	1	4.028			
· ·			C	0.165	2.717		1	1	4.028	0.40	86.60	В
T3	0.07	0.23	Α	0.137	2.82	28	1	1	3.238	0.43	80.00	р в
115.00-110.00			В	0.137	2.82		1	1	3.238			l
20			C	0.137	2.82		1	1	3.238	0.74	100.50	١.
T4	0.19	0.23	Α	0.137	2.82	28	1	1	3.238	0.54	108.73	A
110.00-105.00			В	0.137	2.82		1	1	3.238			l
110,000 100,000			С	0.137	2.82		1	1	3.238		44600	١.
T5	0.19	0.28	Α	0.169	2.704	28	1	1	4.135	0.58	116.90	A
105.00-100.00			В	0.169	2.704		1	. 1	4.135			
105.00 100.00			lс	0.169	2.704		1	1	4.135			
Т6	1.01	1.44	A	0.157	2.748	27	1	1	14.271	2.34	116.93	A
100.00-80.00	1.01		В	0.157	2.748		1	1	14.271			
100.00-60.00			Гc	0.157	2.748		1	1	14.271			
Т7	1.07	1.71	Ā	0.156	2.748	25	1	1	16.305	2.34	117.09	A
80,00-60.00	1.07	11/1	В	0.156	2.748		1	1	16.305			
80.00-00.00			Ιō	0.156	2.748		1	1	16.305			
Т8	1.10	1.98	Ā	0.137	2.82	23	1	1	17.573	2.28	113.90	A
60.00-40.00	1.10	1.70	В	0.137	2.82	14	1	1	17.573			
60.00-40.00			Ιč	0.137	2.82		1	1	17.573			l
Т9	1.10	2.59	Ä	0.142	2.801	19	1	1	22.361	2.20	109.96	A
	1.10	2.59	B	0.142	2.801		1	1	22.361			
40.00-20.00			Ĉ	0.142	2.801		1	1	22.361			l
	000	2.94	Ä	0.142	2.834	19	- 1	i i	24.379	2.16	107.81	Α
T10	0.90	2.94	B	0.133	2.834	"	1	î	24.379			l
20.00-0.00			ľ	0.133	2.834		î	ī	24,379			l
		10.00	١٢	0.133	2.054			отм	872.55	13.94		l
Sum Weight:	5.73	12.23	l					51.77	kip-ft			

FDH Infrastructure Services, LLC

6521 Meridien Drive Raleigh, North Carolina 27616 Phone: (919) 755-1012 FAX: (919) 755-1031

Job	CT98078-L-03_ Wilton CT - Optasite	Page 29 of 59
Project	PR-009478	Date 11:07:59 09/05/23
Client	SBA	Designed by Hailey Hipp

Tower Forces - No Ice - Wind 60 To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	a									Face
	Tr.	7/	c			psf						
ft	K	K	е						ft²	K	plf	
T1	0.04	0.58	A	0.153	2.761	29	0.8	1	6.229	0.56	55.81	C
130.00-120.00			В	0.153	2.761		0.8	1	6.229			
			C	0.153	2.761		0.8	1	6.229			
T2	0.05	0.25	A	0.165	2.717	29	0.8	1	3.389	0.38	76.77	C
120.00-115.00			В	0.165	2.717		0.8	1	3.389			
			С	0.165	2.717		0.8	1	3.389			i .
T3	0.07	0.23	Α	0.137	2.82	28	0.8	1	2.756	0.40	80.04	С
115.00-110.00			В	0.137	2.82		0.8	1	2.756		3.5	
			С	0.137	2.82		0.8	1	2.756			
T4	0.19	0.23	Α	0.137	2.82	28	0.8	1	2.756	0.51	102.25	В
110.00-105.00			В	0.137	2.82		0.8	1	2.756			
			С	0.137	2.82		0.8	1	2.756			
T5	0.19	0.28	A	0.169	2.704	28	0.8	1	3,474	0.54	108.50	В
105.00-100.00			В	0.169	2.704		0.8	1	3,474			OSE:
			С	0.169	2.704	- 1	0.8	1	3,474			
T6	1.01	1.44	A	0.157	2.748	27	0.8	1	12.364	2.22	111.00	В
100.00-80.00			В	0.157	2.748		0.8	1	12,364			_
			С	0.157	2.748		0.8	1	12.364			
T7	1.07	1.71	A	0.156	2.748	25	0.8	1	14.087	2,21	110.67	В
80,00-60,00			В	0.156	2.748		0.8	1	14.087			_
			C	0.156	2.748		0.8	1	14.087			
T8	1.10	1.98	A	0.137	2.82	23	0.8	1	15,192	2.15	107.47	В
60.00-40.00			В	0.137	2.82		0.8	1	15,192			_
	- 1		С	0.137	2.82		0.8	î	15.192			
T9	1.10	2.59	Α	0.142	2.801	19	0.8	î	19.118	2.05	102.44	В
40.00-20.00			В	0.142	2.801		0.8	î	19.118	2.05	102,11	
			С	0.142	2.801		0.8	î	19.118			
T10	0.90	2.94	Ā	0.133	2.834	19	0.8	î	20.825	1.99	99.49	В
20.00-0.00			В	0.133	2.834	'	0.8	î	20.825	1.55	77.77	2
			č	0.133	2.834		0.8	î	20.825			
Sum Weight:	5.73	12.23	_				0.0	ОТМ	814.01	13,02		
		,3-						OTIVI	kip-ft	13.02		
			_						MD-II			

Tower Forces - No Ice - Wind 90 To Face

Section	Add	Self	F	е	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	a									Face
			c			psf						
ft	K	K	e						ft²	K	plf	
T1	0.04	0.58	Α	0.153	2.761	29	0.85	1	6.515	0.58	57.77	С
130.00-120.00			В	0.153	2.761		0.85	1	6.515			
			C	0.153	2.761		0.85	1	6.515			
T2	0.05	0.25	A	0.165	2.717	29	0.85	1	3.549	0.38	76.76	A
120.00-115.00			В	0.165	2.717		0.85	1	3,549			
			С	0.165	2.717		0.85	1	3,549			
T3	0.07	0.23	A	0.137	2.82	28	0.85	1	2.876	0.40	80.03	A
115.00-110.00			В	0.137	2.82		0.85	1	2.876			
			С	0.137	2.82		0.85	1	2.876			
T4	0.19	0.23	Α	0.137	2.82	28	0.85	1	2.876	0.52	104.17	c

FDH Infrastructure Services, LLC

6521 Meridien Drive Raleigh, North Carolina 27616 Phone: (919) 755-1012 FAX: (919) 755-1031

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Project	PR-009478	Date 11:07:59 09/05/23
Client	SBA	Designed by Hailey Hipp

Section	Add	Self	F	е	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl. Face
Elevation	Weight	Weight	а									Tuce
	Ŭ		c			psf			ft²	K	plf	
ft	K	K	е				0.05	-			py	
110.00-105.00			В	0.137	2.82		0.85	1	2.876 2.876			lii .
- 2			C	0.137	2.82	•	0.85	1	3.640	0.55	110.90	l c
T5	0.19	0.28	Α	0.169	2.704	28	0.85	1		0.55	110.70	~
105.00-100.00	92		В	0.169	2.704		0.85	1	3.640			1
200,000			C	0.169	2.704		0.85	1	3.640	2.22	111.03	lс
Т6	1.01	1.44	Α	0.157	2.748	27	0.85	1	12.840	2.22	111,03	~
100.00-80.00			В	0.157	2.748	l l	0.85	1	12.840			l l
100100 00111			С	0.157	2.748		0.85	1	12.840	2 21	110.58	lс
T7	1.07	1.71	Α	0.156	2.748	25	0.85	1	14.641	2.21	110,56	~
80.00-60.00			В	0.156	2.748		0.85	1	14.641			
00.00 00.00			С	0.156	2.748		0.85	1	14.641	2.5	107.54	l c
Т8	1.10	1.98	Α	0.137	2.82	23	0.85	1	15.788	2.15	107.54	'
60.00-40.00			В	0.137	2.82		0.85	1	15.788			
00.00-40.00			C	0.137	2.82		0.85	1	15.788	0.06	100.00	l c
Т9	1.10	2.59	A	0.142	2.801	19	0.85	1.	19.929	2.06	102.99	'
40.00-20.00	1110		В	0.142	2.801		0.85	1	19.929			
40,00-20.00		DC .	C	0.142	2.801		0.85	1	19.929		400.00	١ ٫
Т10	0.90	2.94	Ā	0.133	2.834	19	0.85	1	21.714	2.02	100.83	С
	0.50]	В	0.133	2.834		0.85	1	21.714			
20.00-0.00			ľ	0.133	2.834		0.85	1	21.714			
0 777 1-1-4-	5.73	12.23	ľ	1 3,120				OTM	819.33	13.10		
Sum Weight:	3./3	12.23							kip-ft			

Tower Forces - With Ice - Wind Normal To Face

Section	Add	Self	F	е	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl. Face
Elevation	Weight	Weight	a									2
			c			psf	- 65		ft²	K	plf	
ft	K	K	е		* * * * *	-	-	1	12.726	0.18	18.42	В
T1	0.20	1.16	A	0.3	2.296	5	1	1	12.726	0.10	10.12	_
130.00-120.00			В	0.3	2.296		1	1	12.726			
			C	0.3	2.296	ا ۔ ا	1	1	6.928	0.12	24.10	В
T2	0.24	0.57	A	0.322	2.239	5		1	6.928	0.12	2 (_
120.00-115.00			B	0.322	2.239		1	1	6.928	1		
			C	0.322	2.239	ا ا	1	1	5.583	0.12	24.61	В
T3	0.32	0.48	A	0.268	2.384	5	1	1	5.583	0.12	2 1.01	_
115.00-110.00		1	В	0.268	2.384		1	1	5,583			
			C	0.268	2.384	ا م	1	1	5.572	0.16	31.34	l a
T4	0.58	0.48	A	0.268	2.385	5	1	1	5.572	0.10	51.51	**
110.00-105.00		1	В	0.268	2.385		1	1	5.572			l
			C	0.268	2.385	ا م		1	7.067	0.17	33.02	l a
T5	0.58	0.60	A	0.327	2.226	5	1	1	7.067	0.17	35.02	
105.00-100.00			В	0.327	2.226		1	1	7.067	1		l
		1	C	0.327	2.226	ا ہا		1	23.519	0.67	33.41	A
T6	2.91	2.44	A	0.282	2.345	5	1	1	23.519	0.07	551.12	``
100.00-80.00			В	0.282	2.345			1	23.519	1		
			C	0.282	2.345	5	1		26.152	0,66	33.01	l a
T7	3.01	2.82	A	0.276	2.363	ادا		1	26.152	0.00	52101	'''
80.00-60.00			В	0.276	2.363		1	1	26.152			l
			C	0.276	2.363		1	1	27,300	0,64	32.17	l A
T8	3.07	3.13	A	0.235	2.482	4	1	,	27.300	0,01	22.11	l
60.00-40.00			В	0.235	2.482		1	1	27.300			
			C	0.235	2.482		1	1	31.486	0.59	29.62	l A
T9	3.01	3.91	A	0.221	2.529	4	1	1	31.400	0.57	27.02	

tnxTower Job Page CT98078-L-03_ Wilton CT - Optasite 31 of 59 **Project** FDH Infrastructure Services, PR-009478 11:07:59 09/05/23 LLC 6521 Meridien Drive Raleigh, North Carolina 27616 Phone: (919) 755-1012 FAX: (919) 755-1031 Client Designed by

SBA

Hailey Hipp

Section Elevation	Add Weight	Self Weight	F a	е	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl. Face
ft	K	K	c e			psf			ft²	K	plf	race
40.00-20.00 T10 20.00-0.00	2.35	4.20	B C A B	0.221 0.221 0.198 0.198 0.198	2.529 2.529 2.602 2.602 2.602	4	1 1 1	1 1 1 1	31.486 31.486 32.998 32.998 32.998	0.55	27.41	A
Sum Weight:	16.29	19.77		0.190	2.002		4	OTM	246.57 kip-ft	3.86		

Tower Forces - With Ice - Wind 60 To Face

Section Elevation	Add Weight	Self	F	e	C_F	q _z	D_F	D_R	A_E	F	w	Ctrl.
Bievalion	weight	Weight	<i>a</i>						1 1			Face
ft	K	K	c e			psf			,,			l
T1	0.20	1.16	A	0.3	2.296	-	0.0		ft²	K	plf	
130,00-120.00	0.20	1.10	B	0.3	2.296	5	0.8	1	11.583	0.17	17.21	С
120,00			ľ	0.3	2.296		0.8	1	11.583			l
T2	0.24	0.57	I Ă	0.322	2.239	5	0.8	1	11.583	/		
120.00-115.00	0.24	0.57	B	0.322	2.239	ادا	0.8	1	6.288	0.11	22.80	С
120,00 110.00			ľ	0.322	2.239		0.8	1	6.288			
T3	0.32	0.48	A	0.322	2.239	5	0.8	1	6.288			
115.00-110.00	0.52	0.46	B	0.268	2.384)	0.8	1	5.101	0.12	23.58	С
220.00 110.00			ľ	0.268			0.8	1	5.101			
T4	0.58	0.48	A	0.268	2.384		0.8	1	5.101			
110.00-105.00	0.50	0.40	В		2.385	5	0.8	1	5.089	0.15	30.32	В
110.00-103.00			C	0.268	2.385		0.8	1	5.089			
T5	0.58	0.60		0.268	2.385		0.8	1	5.089			
105.00-100.00	0.56	0.60	A	0.327	2.226	5	0.8	1	6.406	0.16	31.74	В
103.00-100.00			В	0.327	2.226		0.8	1	6.406			
Т6	2.01		C	0.327	2.226		0.8	1	6.406			
100.00-80.00	2.91	2.44	A	0.282	2.345	5	0.8	1	21.612	0.65	32.47	В
100.00-80.00		Ü	В	0.282	2.345		0.8	1	21.612			
TO TO	2.01		C	0.282	2.345		0.8	1	21.612		1	
T7	3.01	2.82	Α	0.276	2.363	5	0.8	1	23.934	0.64	31.99	В
80.00-60.00			В	0.276	2.363		0.8	1	23.934			
			C	0.276	2.363		0.8	1	23.934			
T8	3.07	3.13	A	0.235	2.482	4	0.8	1	24.919	0.62	31.12	В
60.00-40.00	- 1		В	0.235	2.482		0.8	1	24.919			
			C	0.235	2.482		0.8	1	24.919			
Т9	3.01	3.91	A	0.221	2.529	4	0.8	1	28.243	0.57	28.36	В
40.00-20.00			В	0.221	2.529		0.8	1	28,243	5.57	20.50	-
			C	0.221	2.529		0.8	1	28,243			
T10	2.35	4.20	Α	0.198	2.602	4	0.8	î	29.444	0.52	25.99	В
20.00-0.00		1	В	0.198	2.602		0.8	1	29.444	0.52	23.77	Б
			C	0.198	2.602		0.8	1	29.444			
Sum Weight:	16.29	19.77					5.0	OTM	237,29	3.71		
					11			01141	kip-ft	3./1		
			_						KID-II			

Tower Forces - With Ice - Wind 90 To Face

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a .:	Add	Self	F	е	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Section	Weight	Weight	a			, a.						Face
Elevation	weigni	Weight	c			psf						
õ	K	K	e			1 3			fl ²	K	plf	
T1	0.20	1.16	A	0.3	2.296	5	0.85	1	11.869	0.18	17.83	С
130.00-120.00	0,20		В	0.3	2.296		0.85	1	11.869			
130.00-120.00			c	0.3	2.296		0.85	1	11.869			_
T2	0.24	0.57	A	0.322	2.239	5	0.85	1	6.448	0.11	22.77	С
120,00-115.00	9,2		В	0.322	2.239		0.85	1	6.448			l
120,00-115.00			c	0.322	2.239		0.85	1	6.448			۱ ٫
T3	0.32	0.48	A	0.268	2.384	5	0.85	1	5.221	0.12	23.07	С
115.00-110.00	5.22		В	0.268	2.384		0.85	1	5.221	i		l
115,00-110.00			С	0.268	2.384		0.85	1	5.221		21.20	l c
T4	0.58	0.48	Α	0.268	2.385	5	0.85	1	5.210	0.16	31.20	
110,00-105.00			В	0.268	2.385		0.85	1	5.210			l
110,00 105.00	1		С	0.268	2.385		0.85	1	5.210	0.16	20.66	_
T5	0.58	0.60	A	0.327	2.226	5	0.85	1	6.572	0.16	32.66	С
105.00-100.00	V12 U		В	0.327	2.226		0.85	1	6.572			l
105.00-100.00			c	0.327	2.226		0.85	1	6.572	0.44	20.06	
Т6	2.91	2.44	A	0.282	2.345	5	0.85	1	22.088	0.66	32.96	С
100.00-80.00			В	0.282	2.345		0.85	1	22.088			
100.00-00.00			С	0.282	2.345		0.85	1	22.088		22.42	
T7	3.01	2.82	A	0.276	2.363	5	0.85	1	24.489	0.65	32.43	С
80.00-60.00	0.00		В	0.276	2.363		0.85	1	24.489			
80.00-00.00			С	0.276	2.363		0.85	1	24.489	0.40	21.62	_
Т8	3.07	3.13	Α	0.235	2.482	4	0.85	1	25.514	0.63	31.62	С
60.00-40.00	- 45		В	0.235	2.482		0.85	1	25.514			l
00.00			C	0.235	2.482		0.85	1	25.514	0.50	20.01	l c
Т9	3.01	3.91	Α	0.221	2.529	4	0.85	1	29.053	0.58	28.91	ا
40.00-20.00	2.00		В	0.221	2.529		0.85	1	29.053			
40.00-20.00			С	0.221	2.529		0.85	1	29.053	0.50	26.50	
T10	2.35	4.20	A	0.198	2.602	4	0.85	1	30.333	0.53	26.59	С
20.00-0.00] 2.55		В	0.198	2.602		0.85	1	30.333			1
20.00-0.00			C	0.198	2.602		0.85	1	30.333			l
Sum Weight:	16.29	19.77						OTM	241.18	3.78		l
Buill Weight.	10.27								kip-ft			

Tower Forces - Service - Wind Normal To Face

Section	Add	Self	F	е	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl. Face
Elevation	Weight	Weight	а							- 1		
			C			psf			ft²	K	plf	
ft	K	K	е			-		- 1	7.373	0.18	17.93	В
T1	0.04	0.58	A	0.153	2.761	8	1	1		0.16	17.55	"
130.00-120.00			В	0.153	2.761		1	1	7.373			1
150.00 120.00			C	0.153	2.761		1	1	7.373	0.10	24.01	В
T2	0.05	0.25	A	0.165	2.717	8	1	1	4.028	0.12	24.01	В
120.00-115.00	0.00		В	0.165	2.717		1	1	4.028		ii ii	1
120.00-113.00			C	0.165	2,717		1	1	4.028			
тз	0.07	0.23	Ā	0.137	2.82	8	1	1	3.238	0.12	24.39	В
	0.07	0.23	В	0.137	2.82		1	1	3.238			ı
115.00-110.00			c	0.137	2.82		1	1	3.238			l
	0.10	0.23	A	0.137	2.82	8	. 1	1	3.238	0.15	30.62	A
T4	0.19	0.23	В	0.137	2.82	Ĭ	î	1	3,238			l
110.00-105.00					2.82		î	i	3,238			l
			C	0.137		8	î	1	4.135	0.16	32.92	A
T5	0.19	0.28	A	0.169	2.704	٥	1	1	4.135	٠٠	52.7	
105.00-100.00			В	0.169	2.704		1	1	4.135			1
			C	0.169	2.704		1	11	4.133	Į.		

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Section	Add	Self	F	е	C_F	q ₌	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	a				i	ï	-			Face
	-		c			psf						1
ft	K	K	е						ft ²	K	plf	
T6	1.01	1.44	A	0.157	2.748	8	1	1	14.271	0.66	32.93	A
100.00-80.00			В	0.157	2.748		1	1	14.271			
			C	0.157	2.748		1	1	14.271			
T7	1.07	1.71	A	0.156	2.748	7	1	1	16.305	0.66	32.97	Α
80.00-60.00			В	0.156	2.748		1	1	16,305			
			C	0.156	2.748		1	1	16.305			
Т8	1.10	1.98	A	0.137	2.82	6	1	1	17.573	0.64	32.08	A
60.00-40.00	0		В	0.137	2.82		1	1	17.573	1		
			C	0.137	2.82		1	1	17.573			
T9	1.10	2.59	Α	0.142	2.801	5	1	1	22.361	0.62	30.97	Α
40.00-20.00	- 3		В	0.142	2.801		1	1	22.361			
			С	0.142	2.801		1	1	22.361	1		
T10	0.90	2.94	Α	0.133	2.834	5	1	1	24.379	0.61	30.36	Α
20.00-0.00	1		В	0.133	2.834		1	1	24.379			
			C	0.133	2.834		1	1	24.379			
Sum Weight:	5:73	12.23					- 1	OTM	245.73	3.93		
									kip-ft			

Tower Forces - Service - Wind 60 To Face

Section Elevation	Add Weight	Self	F	e	C_F	q_z	D_F	D_R	A_{E}	F	w	Ctrl.
Dievation	weight	Weight	a			ا ہا						Face
ft	K	K	C e			psf			ft ²	K	7.0	
T1	0.04	0.58	A	0.153	2.761	8	0.8	1	6.229	0.16	<i>plf</i> 15.72	_
130.00-120.00			В	0.153	2.761	ا	0.8	1	6.229	0.10	15.72	С
			ĪĈ	0.153	2.761		0.8	1	6.229			
T2	0.05	0.25	Ā	0.165	2.717	8	0.8	1	3.389	0.11	21.62	С
120.00-115.00			В	0.165	2.717		0.8	1	3.389	0.11	21.02	C
			l c	0.165	2.717		0.8	1	3.389			
T3	0.07	0.23	À	0.137	2.82	8	0.8	1	2.756	0.11	22,54	С
115.00-110.00			В	0.137	2.82	l ĭ	0.8	1	2.756	0.11	22,54	
			c	0.137	2.82		0.8	1	2.756			
T4	0.19	0.23	A	0.137	2.82	8	0.8	1	2.756	0.14	28,80	В
110.00-105.00			В	0.137	2.82	Ĭ	0.8	1	2.756	0.14	20.00	ь
			С	0.137	2.82		0.8	1	2.756			
T5	0.19	0.28	Α	0.169	2.704	8	0.8	1	3.474	0.15	30.56	В
105.00-100.00			В	0.169	2,704		0.8	i	3.474	0.13	30.30	ь
1			C	0.169	2.704		0.8	1	3.474			
T6	1.01	1.44	A	0.157	2.748	8	0.8	1	12.364	0.63	31.26	В
100.00-80.00			В	0.157	2.748		0.8	1	12.364	0.05	31.20	D
			C	0.157	2.748		0.8	î	12.364			
T7	1.07	1.71	Α	0.156	2.748	7	0.8	ī	14.087	0.62	31.17	В
80.00-60.00			В	0.156	2.748		0.8	1	14.087	0.02	51.17	
			C	0.156	2.748		0.8	1	14.087			
T8	1.10	1.98	A	0.137	2.82	6	0.8	1	15.192	0.61	30.27	В
60.00-40.00			В	0.137	2.82		0.8	1	15.192	5.01	50.27	
i			c	0.137	2.82		0.8	1	15.192			
T9	1.10	2.59	A	0.142	2.801	5	0.8	î	19.118	0.58	28.85	В
40.00-20.00			в	0.142	2.801		0.8	1	19.118	0.50	_5.05	
			c	0.142	2.801		0.8	۱ĺ	19.118			
T10	0.90	2.94	A	0.133	2.834	5	0.8	1	20.825	0.56	28.02	В
20.00-0.00			В	0.133	2.834		0.8	1	20.825	3.50	20.02	_
	1		c l	0.133	2.834	1	0.8	ī	20.825		(1)	

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Section Elevation	Add Weight	Self Weight	F a c	e	C_F	q _z psf	D_F	D_R	$A_{\mathcal{E}}$	F	w	Ctrl. Face
ft	K	K	е					0771	ft ²	K 2.67	plf	
Sum Weight:	5.73	12.23						OTM	229.24 kip-ft	3.67		

Tower Forces - Service - Wind 90 To Face

Section	Add	Self	F	е	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl. Face
Elevation	Weight	Weight	a									1 2000
			c	1		psf			ft²	K	plf	l
ft	K	K	е			-	0.05		6.515	0.16	16.27	С
T1	0.04	0.58	A	0.153	2.761	8	0.85	1	6.515	0.10	10.27	ľ
130.00-120.00			В	0.153	2.761		0.85 0.85	1	6.515			l
			C	0.153	2.761		0.85	1	3.549	0.11	21.62	A
T2	0.05	0.25	A	0.165	2.717	8	0.85	1	3.549	0.11	21102	``
120.00-115.00			В	0.165	2.717		0.85	1	3.549			l
			C	0.165	2.717		0.85	1	2.876	0.11	22.54	l A
T3	0.07	0.23	A	0.137	2.82	8			2.876	0.11	22.01	**
115.00-110.00			В	0.137	2.82		0.85 0.85	1	2.876			10
90			С	0.137	2.82		0.85	1	2.876	0.15	29.34	l c
T4	0.19	0.23	A	0.137	2.82	8	0.85	1	2.876	0.13	25.51	ľ
110.00-105.00			В	0.137	2.82		0.85	1	2.876			
			С	0.137	2.82		0.85	1	3.640	0.16	31.23	l c
T5	0.19	0.28	A	0.169	2.704	8	0.85	1	3.640	0.10	51.25	`
105.00-100.00			В	0.169	2.704		0.85	1	3.640			1
			С	0.169	2.704	8	0.85	1	12.840	0.63	31.27	Ιc
Т6	1.01	1.44	Α	0.157	2.748	. 6	0.85	1	12.840	0.03	21.2.	~
100.00-80.00			В	0.157	2.748		0.85	1	12.840			l
			C	0.157	2.748	7	0.85	1	14.641	0.62	31.14	lс
T7	1.07	1.71	Α	0.156	2.748	/	0.85	1	14.641	0.02		-
80.00-60.00			В	0.156	2.748		0.85	1	14.641			l
			C	0.156	2.748	6	0.85	i	15.788	0.61	30.29	l c
T8	1.10	1.98	A	0.137	2.82	0	0.85	1	15.788	0.01	5 0.22	-
60.00-40.00			В	0.137	2.82		0.85	î	15.788			1
			C	0.137	2.82	_	0.85	8	19.929	0.58	29.01	l c
T9	1.10	2.59	A	0.142	2.801	5	0.85	1	19.929	0.50	27.01	
40.00-20.00			В	0.142	2.801		0.85	(3.0)	19.929	-		l
			C	0.142	2.801	_		1	21.714	0.57	28.40	l c
T10	0.90	2.94	A	0.133	2.834	5	0.85 0.85	1	21.714	0.57	20,10	l
20.00-0.00			В	0.133	2.834			1	21.714			
			C	0.133	2.834		0.85	OTM	21.714	3.69		
Sum Weight:	5.73	12.23						OTM	230.74 kip-ft	5.09		
3									кір-п			

Discrete Appurtenance Pressures - No Ice $G_H = 0.850$

Description	Aiming Azimuth	Weight	Offset _x	Offset _z	z ft	K _z	q ₌	C _A A _C Front ft²	C _A A _C Side ft²
Lightning Rod	0.0000	0.03	0.00	0.00	130.00	1.065	30	0.25	0.25
	120.0000	0.03	2.75	1.59	130.00	1.065	30	3.60	3.60

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Description	Aiming Azimuth	Weight	Offset _x	Offset _z	z	K _z	q_z	C _A A _C Front	C₁Ac Side
	٥	K	fi	ft	ft		psf	ft²	ft ²
3"x12' Omni	240.0000	0.03	-2.75	1.59	130.00	1.065	30	3.60	3.60
6' Side Arm [Site Pro 1 P/N: PSA6]	120.0000	0.05	2.75	1.59	128.00	1.060	29	0.41	3.06
6' Side Arm [Site Pro 1	240.0000	0.05	-2.75	1.59	128.00	1.060	29	0.41	3.06
P/N: PSA6] Air 6449 B41 w/ Pipe	0.0000	0.10	0.00	-7.18	118.00	1.036	29	6.60	2.67
Mount Air 6449 B41 w/ Pipe Mount	120.0000	0.10	6.21	3.59	118.00	1.036	29	6.60	2.67
Air 6449 B41 w/ Pipe Mount	240.0000	0.10	-6.21	3.59	118.00	1.036	29	6.60	2.67
AIR32 KRD901146-1-B66A-B2 A w/ Mount Pipe	0.0000	0.15	0.00	-7.18	118.00	1.036	29	6.75	6.07
AIR32 KRD901146-1-B66A-B2	120.0000	0.15	6.21	3.59	118.00	1.036	29	6.75	6.07
A w/ Mount Pipe AIR32 KRD901146-I-B66A-B2 A w/ Mount Pipe	240.0000	0.15	-6.21	3.59	118.00	1.036	29	6.75	6.07
APXVAALL24_43-U-N A20 w/ Mount Pipe	0.0000	0.19	0.00	-7.18	118.00	1.036	29	14.69	6.87
APXVAALL24_43-U-N A20 w/ Mount Pipe	120.0000	0.19	6.21	3.59	118.00	1.036	29	14.69	6.87
APXVAALL24_43-U-N A20 w/ Mount Pipe	240.0000	0.19	-6.21	3.59	118.00	1.036	29	14.69	6.87
4449 B71 + B85	0.0000	0.07	0.00	-7.18	118.00	1.036	29	2.09	1.59
4449 B71 + B85	120.0000	0.07	6.21	3.59	118.00	1.036	29	2.09	1.59
1449 B71 + B85	240.0000	0.07	-6.21	3.59	118.00	1.036	29	2.09	1.59
4415 B25	0.0000	0.06	0.00	-7.18	118.00	1.036	29	2.02	1.25
1415 B25	120.0000	0.06	6.21	3.59	118.00	1.036	29	2.02	1.25
1415 B25	240.0000	0.06	-6.21	3.59	118.00	1.036	29	2.02	1.25
SDX1926Q-43	0.0000	0.01	0.00	-7.18	118.00	1.036	29	0.24	0.10
SDX1926Q-43	120.0000	0.01	6.21	3.59	118.00	1.036	29	0.24	0.10
SDX1926Q-43	240.0000	0.01	-6.21	3.59	118.00	1.036	29	0.24	0.10
KRY 112 71	0.0000	0.02	0.00	-7.18	118.00	1.036	29	1.50	0.50
KRY 112 71	120.0000	0.02	6.21	3.59	118.00	1.036	29	1.50	0.50
CRY 112 71	240.0000	0.02	-6.21	3.59	118.00	1.036	29	1.50	0.50
Sector Frame (SitePro 1 P/N: VFA12-HD)	0.0000	0.66	0.00	-5.18	118.00	1.036	29	13.20	9.20
ector Frame (SitePro 1 VN: VFA12-HD)	120.0000	0.66	4.48	2.59	118.00	1.036	29	13.20	9.20
VN: VFA12-HD)	240.0000	0.66	-4.48	2.59	118.00	1.036	29	13.20	9.20
PA65R-BU6DA w/ Mount Pipe PA65R-BU6DA w/	0.0000	0.09	0.00	-7.18	110.00	1.016	28	12.25	6.05
Mount Pipe DPA65R-BU6DA w/	240.0000	0.09	6.21 -6.21	3.59	110.00	1.016	28	12.25	6.05
Mount Pipe LRUS 4478 B14	0.0000	0.09	0.00	-7.18	110.00	1.016	28	12.25	6.05
RUS 4478 B14	120.0000	0.06	6.21	3.59		1.016	28	1.84	1.06
RUS 4478 B14	240.0000	0.06	-6.21		110.00	1.016	28	1.84	1.06
770 w/Mount Pipe	300.0000	0.07	-4.84	3.59	110.00	1.016	28	1.84	1.06
770 w/Mount Pipe	60.0000	0.07	4.84	-2.79 -2.79	110.00	1.016	28	6.20	4.94
770 w/Mount Pipe	180.0000	0.07	0.00		110.00	1.016	28	6.20	4.94
00 10965 w/ Mount	300.0000	0.14		5.59	110.00	1.016	28	6.20	4.94
ipe 00 10965 w/ Mount	60.0000	0.14	-4.84	-2.79	110.00	1.016	28	14.05	7.63
ipe 00 10965 w/ Mount	180.0000	0.14	0.00	-2.79	110.00	1.016	28	14.05	7.63
TOYOU WI MANUAL	100.0000	0.14	0.001	5.59	110.00	1.016	28	14.05	7.63

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Description	Aiming Azimuth	Weight	Offset _x	Offset _z	Z	K_z	q_z	C _A A _C Front	C _A A _C Side
	0	K	ft	ft	ft		psf	ft²	ft²
Pipe		0.00	-4.84	-2.79	110.00	1.016	28	8.37	6.36
P65-16-XLH-RR w/	300.0000	0.08	-4.04	-2.7.9	110.00	11019	[
Mount Pipe	60.0000	0.08	4.84	-2.79	110.00	1.016	28	8.37	6.36
P65-16-XLH-RR w/ Mount Pipe	00.0000	0.00		1452	1		1,640	1	181212
P65-16-XLH-RR w/	180.0000	0.08	0.00	5.59	110.00	1.016	28	8.37	6.36
Mount Pipe	100,000						199		0.70
LGP21401 TMA	300.0000	0.04	-4.84	-2.79	110.00	1.016	28	1.63	0.69
LGP21401 TMA	60.0000	0.04	4.84	-2.79	110.00	1.016	28	1.63	0.69 0.69
LGP21401 TMA	180.0000	0.04	0.00	5.59	110.00	1.016	28	1.63	0.69
TT19-08BP111-001	300.0000	0.02	-4.84	-2.79	110.00	1.016	28 28	0.55 0.55	0.45
TT19-08BP111-001	60.0000	0.02	4.84	-2.79	110.00	1.016 1.016	28	0.55	0.45
TT19-08BP111-001	180.0000	0.02	0.00	5.59	110.00	1.016	28	2.52	1.07
RRUS-11	300.0000	0.06	-4.84	-2.79	110.00	1.016	28	2.52	1.07
RRUS-11	60.0000	0.06	4.84	-2.79 5.59	110.00	1.016	28	2.52	1.07
RRUS-11	180.0000	0.06	0.00	-2.79	110.00	1.016	28	1.84	1.06
RRUS 4478 B5	300.0000	0.06	-4.84 4.84	-2.79 -2.79	110.00	1.016	28	1.84	1.06
RRUS 4478 B5	60.0000	0.06 0.06	0.00	5.59	110.00	1.016	28	1.84	1.06
RRUS 4478 B5	180.0000	0.06	-4.84	-2.79	110.00	1.016	28	1.64	0.68
RRUS 4415 B25	300.0000 60.0000	0.04	4.84	-2.79	110.00	1.016	28	1.64	0.68
RRUS 4415 B25	180.0000	0.04	0.00	5.59	110.00	1.016	28	1.64	0.68
RRUS 4415 B25	300.0000	0.03	-1.81	-1.04	110.00	1.016	28	1.21	1.21
DC6-48-60-18-8F	60.0000	0.03	1.81	-1.04	110.00	1.016	28	1.21	1.21
DC6-48-60-18-8F (3) 12' Sector Mounts	0.0000	1.50	0.00	0.00	110.00	1.016	28	15.85	15.85
[Sabre C10857001C]	0.0000	:515:15				- 1	- 1	10.00	
MT6407-77A w/Mount	0.0000	0.11	0.00	-7.18	98.00	0.983	27	6.68	3.78
Pipe	0.000								- 70
MT6407-77A w/Mount	120.0000	0.11	6.21	3.59	98.00	0.983	27	6.68	3.78
Pipe	A.B. C. C. C. C. C.				372023		22		3.78
MT6407-77A w/Mount	240.0000	0.11	-6.21	3.59	98.00	0.983	27	6.68	3./6
Pipe			1406000			0.000	27	20.22	17.97
MX06FRO660-03_TIA	0.0000	0.20	0.00	-7.18	98.00	0.983	2/	20.22	17.57
w/ Mount Pipe		. 1272			00.00	0.983	27	20,22	17.97
MX06FRO660-03_TIA	120.0000	0.20	6.21	3.59	98.00	0.963	21	20,22	1702
w/ Mount Pipe				3,59	98.00	0.983	27	20.22	17.97
MX06FRO660-03_TIA	240.0000	0.20	-6.21	3,39	98.00	0.565	- '	20.22	- 155/0
w/ Mount Pipe		0.07	0.00	-7.18	98.00	0.983	27	8.44	8.70
BXA-80090-8CF-EDIN-	0.0000	0.06	0.00	-7.10	76.00	0.505	-1	9300	
X w/ Mount Pipe		0.06	6.21	3.59	98.00	0.983	27	8.44	8.70
BXA-80090-8CF-EDIN-	120.0000	0.06	0.21	3,39	70.00	01,00	= 1		
X w/ Mount Pipe	240.0000	0.06	-6.21	3.59	98,00	0.983	27	8.44	8.70
BXA-80090-8CF-EDIN-	240.0000	0.00	-0.21	3.00	, 5.1.2				
X w/ Mount Pipe	0.0000	0.07	0.00	-7.18	98.00	0.983	27	2.18	1.46
RF4439d-25A	120.0000	0.07	6.21	3.59	98.00	0.983	27	2.18	1.46
RF4439d-25A RF4439d-25A	240.0000	0.07	-6.21	3.59	98.00	0.983	27	2.18	1.46
RF4449d-13A	0.0000	0.07	0.00	-7.18	98.00	0.983	27	2.18	1.32
RF4440d-13A RF4440d-13A	120.0000	0.07			98.00	0.983	27	2.18	1.32
RF4440d-13A	240,0000	0.07	-6.21	3.59	98.00	0.983	27	2.18	1.32
RRFDC-3315-PF-48	0.0000	0.03	0.00		98.00	0.983	27	3.02	1.90
RRFDC-3315-PF-48	120.0000	0.03			98.00	0.983	27	3.02	1.96 17.8
(3) 10' x 2' T-Arms	0.0000	1.74			96.00	0.977	27	17.87	0.5
KA-6030	0.0000	0.04			98.00	0.983	27	1.93	1.6
1.9"Ø x 9.8' Pipe Mount	120.0000	0.02			55.00	0.833	23 30	37.15	31.8
BPA7496-180-14	0.0000	0.21	0.00	-7.18	130.00	1.065	30	37.13	31.0
w/Mount Pipe					120.00	1.065	30	1.40	0.83
432F-83W-01-T	0.0000	0.01	0.00		130.00 128.00	1.065	29	10.80	6.40
12' Standard Duty	0.0000	0.43	0.00	-3.18	128.00	1.000	2.9	10.00	V.T.
V-Frame [Site Pro1 P/N:					l l				
VFA12-SD-S]	1	1	Ĭ	1			r (3)		

FDH Infrastructure Services,

LLC 6521 Meridien Drive Raleigh, North Carolina 27616 Phone: (919) 755-1012 FAX: (919) 755-1031

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Project	PR-009478	Date 11:07:59 09/05/23
Client	SBA	Designed by Hailey Hipp

Description	Aiming Azimuth	Weight K	Offset _x	Offset _z	z ft	K_z	q ₂	C _A A _C Front ft ²	C _A A _C Side ft ²
Pipe Mount	120.0000 Sum Weight:	0.04 11.56	3.18	1.84	123.00	1.048		1.19	1.19

Discrete Appurtenance Pressures - With Ice

Description	Aiming Azimuth	Weight	$Offset_x$	Offset _z	Z	K _z	q_z	C_AA_C	C_AA_C	t _z
	asimun	K	ft	ft	ft			Front ft ²	Side	
Lightning Rod	0.0000	0.04	0.00	0.00		1.065	psf	-47	fî ²	in
3"x12' Omni	120.0000	0.04	2.75		130.00	1.065	5	0.96	0.96	0.9749
3"x12' Omni	240.0000	0.08	-2.75	1.59	130.00	1.065	5	6.02	6.02	0.9749
6' Side Arm [Site Pro 1	120.0000	0.08	2.75	1,59 1.59	130.00	1.065	5	6.02	6.02	0.9749
P/N; PSA6]	120.000	0.12	2.73	1.59	128.00	1.060	5	1.21	7.09	0.9734
6' Side Arm [Site Pro 1	240.0000	0.12	-2.75	1.59	128.00	1.060	5	1 21	7.00	
P/N: PSA61	210.0000	0.12	-2.73	1.59	128.00	1.000	9	1.21	7.09	0.9734
Air 6449 B41 w/ Pipe	0.0000	0.18	0.00	-7.18	118.00	1.036	5	7.20	2 21	0.06
Mount	5.5000	0.10	0.00	-7.10	110.00	1.030	3	7.28	3.21	0.9655
Air 6449 B41 w/ Pipe	120.0000	0.18	6.21	3.59	118.00	1.036	5	7.30	2 21	0.0655
Mount	120.0000	0.10	0.21	3.39	110.00	1.030	ે	7.28	3.21	0.9655
Air 6449 B41 w/ Pipe	240,0000	0.18	-6.21	3.59	118.00	1.036	5	7.20	2.21	0.000
Mount	2 10.0000	0.10	-0.21	3.39	118.00	1.036	ગ	7,28	3.21	0.9655
AIR32	0.0000	0.28	0.00	-7.18	118.00	1.036	5	7.60	2.52	00000
KRD901146-1-B66A-B2	0.0000	0.20	0.00	-7.16	110.00	1.036	ી	7.62	7.53	0.9655
A w/ Mount Pipe								- 1		
AIR32	120.0000	0.28	6.21	3.59	118.00	1.036	5	7.62	7.50	00455
KRD901146-1-B66A-B2	SECTION	0.20	0.21	3.35	110.00	1.030	اد	7.62	7.53	0.9655
A w/ Mount Pipe										
AIR32	240,0000	0.28	-6.21	3,59	118.00	1.036	5	7.02	7.53	0.000
KRD901146-1-B66A-B2	2.10.0000	0.20	-0.21	3.39	110.00	1.036	ી	7.62	7.53	0.9655
A w/ Mount Pipe					- 1		- 1			
APXVAALL24 43-U-N	0.0000	0.45	0.00	-7.18	118.00	1.036	5	16 10	0.20	0.000
A20 w/ Mount Pipe	0.0000	0.43	.0.00	-7.16	110.00	1.036	ી	16.18	8.20	0.9655
APXVAALL24 43-U-N	120.0000	0.45	6.21	3.59	118.00	1.036	5	16.18	0.20	0.0655
A20 w/ Mount Pipe	120,000		0.21	3,331	110.00	1.030	اد	10.10	8.20	0.9655
APXVAALL24_43-U-N	240.0000	0.45	-6.21	3.59	118.00	1.036	5	16.18	9.20	0.0655
A20 w/ Mount Pipe		0.15	-0.21	3.37	110.00	1.030	ી	10.18	8.20	0.9655
4449 B71 + B85	0.0000	0.12	0.00	-7.18	118.00	1.036	5	2.44	1.91	0.0655
4449 B71 + B85	120.0000	0.12	6.21	3.59	118.00	1.036	5	2.44	1.91	0.9655
4449 B71 + B85	240.0000	0.12	-6.21	3.59	118.00	1.036	5	2.44	1.91	0.9655
4415 B25	0.0000	0.10	0.00	-7.18	118.00	1.036	5	2.44	1.55	0.9655
4415 B25	120.0000	0.10	6.21	3.59	118.00	1.036	5	2.37		0.9655
4415 B25	240.0000	0.10	-6.21	3.59	118.00	1.036	5	2.37	1.55 1.55	0.9655 0.9655
SDX1926O-43	0.0000	0.01	0.00	-7.18	118.00	1.036	5	0.37	0.19	0.9655
SDX1926Q-43	120.0000	0.01	6.21	3.59	118.00	1.036	5	0.37	0.19	0.9655
SDX1926Q-43	240.0000	0.01	-6.21	3.59	118.00	1.036	5	0.37	0.19	0.9655
KRY 112 71	0.0000	0.04	0.00	-7.18	118.00	1.036	5	1.80		
KRY 112 71	120.0000	0.04	6.21	3.59	118.00	1.036	5	1.80	0.71 0.71	0.9655 0.9655
KRY 112 71	240.0000	0.04	-6.21	3.59	118.00	1.036	5	1.80	0.71	
Sector Frame (SitePro 1	0.0000	1.00	0.00	-5.18	118.00	1.036	5	25.37	19.16	0.9655 0.9655
P/N: VFA12-HD)		3.55	5.05	-5.10	110.00	1.030	٥	43.37	19.10	0.9055
Sector Frame (SitePro 1 P/N: VFA12-HD)	120.0000	1.00	4.48	2.59	118.00	1.036	5	25.37	19.16	0.9655
Sector Frame (SitePro 1 P/N: VFA12-HD)	240.0000	1.00	-4.48	2.59	118.00	1.036	5	25.37	19.16	0.9655
OPA65R-BU6DA w/	0.0000	0.27	0.00	-7.18	110.00	1.016	5	13.70	7.33	0.9588
OPA65R-BU6DA w/	120.0000	0.27	6.21	3.59	110.00	1.016	5	13.70	7.33	0.9588

FDH Infrastructure Services, LLC

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Description	Aiming	Weight	$Offset_x$	Offset _z	Z	K _z	q_z	C _A A _C Front	C₄Ac Side	t_z
	Azimuth °	K	ft	ft	fi		psf	fì ²	ft ²	in
Mount Pipe	1 A201740 (200000) A	175174-4		2.50	110.00	1.016	5	13.70	7.33	0.958
PA65R-BU6DA w/	240.0000	0.27	-6.21	3.59	110.00	1.016	3	13.70	,	0.550
Mount Pipe			0.00	7 10	110.00	1.016	5	2.17	1.33	0.958
RRUS 4478 B14	0.0000	0.09	0.00	-7.18		1.016	5	2.17	1.33	0.958
RRUS 4478 B14	120.0000	0.09	6.21	3.59	110.00		5	2.17	1.33	0.95
RRUS 4478 B14	240.0000	0.09	-6.21	3.59	110.00	1.016	5	7.23	6.58	0.95
7770 w/Mount Pipe	300.0000	0.18	-4.84	-2.79	110.00	1.016		7.23	6.58	0.95
7770 w/Mount Pipe	60.0000	0.18	4.84	-2.79	110.00	1.016	5	7.23	6.58	0.95
7770 w/Mount Pipe	180.0000	0.18	0.00	5.59	110.00	1.016	5		9.88	0.95
800 10965 w/ Mount	300.0000	0.33	-4.84	-2.79	110.00	1.016	5	15.25	9.00	0.50
Pipe						0.454		15.25	0.00	0.95
800 10965 w/ Mount	60.0000	0.33	4.84	-2.79	110.00	1.016	5	15.25	9.88	0.93
Pipe							li ji		2.00	0.05
800 10965 w/ Mount	180.0000	0.33	0.00	5.59	110.00	1.016	5	15.25	9.88	0.95
	100.000									
Pipe P65-16-XLH-RR w/	300,0000	0.21	-4.84	-2.79	110.00	1.016	5	9.41	8.35	0.95
	500.0000	0.21	254,000						0004004	
Mount Pipe	60.0000	0.21	4.84	-2.79	110.00	1.016	5	9.41	8.35	0.95
P65-16-XLH-RR w/	60,0000	0.21								
Mount Pipe	100,0000	0.21	0.00	5.59	110.00	1.016	5	9.41	8.35	0.95
P65-16-XLH-RR w/	180.0000	0.21	0.00	5.57	110.00	200				
Mount Pipe		0.06	4.04	-2.79	110.00	1.016	_ 5	2.11	1.06	0.95
LGP21401 TMA	300.0000	0.06	-4.84		110.00	1.016	5	2.11	1.06	0.95
LGP21401 TMA	60.0000	0.06	4.84	-2.79		1.016	5	2.11	1.06	0.95
LGP21401 TMA	180.0000	0.06	0.00	5.59	110.00		5	0.74	0.62	0.95
TT19-08BP111-001	300.0000	0.03	-4.84	-2.79	110.00	1.016			0.62	0.95
TT19-08BP111-001	60.0000	0.03	4.84	-2.79	110.00	1.016	5	0.74		0.95
TT19-08BP111-001	180,0000	0.03	0.00	5.59	110.00	1.016	5	0.74	0.62	0.95
RRUS-11	300.0000	0.09	-4.84	-2.79	110.00	1.016	5	2.91	1.35	
RRUS-11	60,0000	0.09	4.84	-2.79	110.00	1.016	5	2.91	1.35	0.95
	180.0000	0.09	0.00	5.59	110.00	1.016	5	2.91	1.35	0.95
RRUS-11	300.0000	0.09	-4.84	-2.79	110.00	1.016	5 5	2.17	1.33	0.95
RRUS 4478 B5	60.0000	0.09	4.84	-2.79	110.00	1.016	5	2.17	1.33	0.95
RRUS 4478 B5	The second section is a second section.	0.09	0.00	5.59	110.00	1.016	5	2.17	1.33	0.95
RRUS 4478 B5	180.0000		-4.84	-2.79	110.00	1.016	5 5	1.96	0.90	0.95
RRUS 4415 B25	300.0000	0.07	0000000	-2.79	110.00	1.016	5	1.96	0.90	0.95
RRUS 4415 B25	60.0000	0.07	4.84		110.00	1.016	5 5	1.96	0.90	0.95
RRUS 4415 B25	180.0000	0.07	0.00	5.59			5	2.09	2.09	0.95
DC6-48-60-18-8F	300.0000	0.08	-1.81	-1.04	110.00	1.016	5	2.09	2.09	0.95
DC6-48-60-18-8F	60.0000	0.08	1.81	-1.04	110.00	1.016			25.34	0.95
(3) 12' Sector Mounts	0.0000	2.36	0.00	0.00	110.00	1.016	5	25.34	23.34	0.73
[Sabre C10857001C]					0004 9400000					0.04
MT6407-77A w/Mount	0.0000	0.21	0.00	-7.18	98.00	0.983	5	8.23	5.72	0.94
	0.000		200	1					192	
Pipe	120.0000	0.21	6.21	3.59	98.00	0.983	5	8.23	5.72	0.94
MT6407-77A w/Mount	120.0000	0.21	0,21		2020-02-02-02					
Pipe	240,0000	0.21	-6.21	3.59	98.00	0.983	5	8.23	5.72	0.94
MT6407-77A w/Mount	240.0000	0.21	-0.21] 5.57	,0,00					
Pipe		0.55	0.00	-7.18	98.00	0.983	5	22.33	21.88	0.94
MX06FRO660-03_TIA	0.0000	0.55	0.00	-/.10	76.00	0.703	1			
w/ Mount Pipe				2.50	98.00	0.983	5	22.33	21.88	0.94
MX06FRO660-03_TIA	120.0000	0.55	6.21	3.59	96.00	0.963	1 ~	22.00	21,55	0.8500
w/ Mount Pipe	200.00			0		0.000		22.33	21.88	0.94
MX06FRO660-03_TIA	240.0000	0.55	-6.21	3.59	98.00	0.983	5	22.33	21.00	0.55
w/ Mount Pipe	24							0.76	11.54	0.94
BXA-80090-8CF-EDIN-	0.0000	0.20	0.00	-7.18	98.00	0.983	5	9.76	11.54	0.94
X w/ Mount Pipe								555-4	20	2020
	120.0000	0.20	6.21	3.59	98.00	0.983	5	9.76	11.54	0.94
BXA-80090-8CF-EDIN-	120.0000	0.20	0.21	5.22						
X w/ Mount Pipe	240,0000	0.20	-6.21	3.59	98.00	0.983	5	9.76	11.54	0.94
BXA-80090-8CF-EDIN-	240.0000	0.20	-0.21	3.39	70.00	".,,,,,	آ ا			
X w/ Mount Pipe				7.10	00.00	0.983	ء ا	2.56	1.78	0.94
RF4439d-25A	0.0000			-7.18	98.00			2.56		0.94
RF4439d-25A	120.0000					1001100000000] 2	2.56		0.94
RF4439d-25A	240.0000	0.11	-6.21	3.59	98.00	0.983	5	2.30	1.70	0.3

FDH Infrastructure Services, LLC

6521 Meridien Drive Raleigh, North Carolina 27616 Phone: (919) 755-1012 FAX: (919) 755-1031

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 $G_H = 0.850$

Description	Aiming	Weight	Offset _x	Offset2	z	K _z	q_z	C_AA_C	C_AA_C	t _z
	Azimuth						1-	Front	Side	*
	٥	K	ft	ft	ft		psf	ft²	ft²	in
RF4440d-13A	0.0000	0.11	0.00	-7.18	98.00	0.983		2.56	1.63	0.9477
RF4440d-13A	120.0000	0.11	6.21	3.59	98.00	0.983	5	2,56		0.9477
RF4440d-13A	240.0000	0.11	-6.21	3.59	98.00	0.983	5	2.56		0.9477
RRFDC-3315-PF-48	0.0000	0.08	0.00	-7.18	98.00	0.983	5	3.45		0.9477
RRFDC-3315-PF-48	120.0000	0.08	6.21	3.59	98.00	0.983	5	3.45		0.9477
(3) 10' x 2' T-Arms	0.0000	1.49	0.00	0.00	96.00	0.977	5	31.94	31.94	0.9458
KA-6030	0.0000	0.06	0.00	-7.18	98.00	0.983	5	2.41	0.88	0.9477
1.9"Ø x 9.8' Pipe Mount	120.0000	0.05	3.69	2.13	55.00	0.833	4	3.49	3.49	0.8945
BPA7496-180-14	0.0000	0.79	0.00	-7.18	130.00	1.065	5	41.68	41.87	0.9749
w/Mount Pipe	-									0.5 / 1.5
432F-83W-01-T	0.0000	0.04	0.00	-7.18	130.00	1.065	5	1.69	1.05	0.9749
12' Standard Duty	0.0000	0.65	0.00	-3.18	128.00	1.060	5	21.12	13.31	0.9734
V-Frame [Site Pro1 P/N:										0.5 / 5 /
VFA12-SD-S]										
Pipe Mount	120.0000	0.06	3.18	1.84	123.00	1.048	5	1.79	1.79	0.9695
	Sum	20.61							,	3.5055
	Weight:									

Discrete Appurtenance Pressures - Service

Description	Aiming	Weight	Offset _x	Offset:	Z	<i>K</i> .	q_z	C_AA_C	C_AA_C
	Azimuth	K						Front	Side
Lightning Rod	0.0000	0.03	ft 0.00	ft	ft	1.065	psf	ft²	ft ²
3"x12' Omni	120.0000	0.03	2.75	0.00 1.59	130.00	1.065	8	0.25	0.25
3"x12' Omni	240.0000	0.03			130.00	1.065	8	3.60	3.60
6' Side Arm [Site Pro I	120.0000	0.03	-2.75 2.75	1.59	130.00	1.065	8	3.60	3.60
P/N: PSA61	120.0000	0.03	2./3	1.59	128.00	1.060	8	0.41	3.06
6' Side Arm [Site Pro 1	240,0000	0.05	-2,75	1.59	128.00	1.000		0.41	2.00
P/N: PSA61	240.0000	0.03	-2.13	1.59	128.00	1.060	8	0.41	3.06
Air 6449 B41 w/ Pipe	0.0000	0.10	0.00	-7.18	118.00	1.036	۰	6.60	2 42
Mount	0.0000	0.10	0.00	-/.10	118.00	1.030	8	6.60	2.67
Air 6449 B41 w/ Pipe	120,0000	0.10	6.21	3.59	118.00	1.036	8	6.60	2.67
Mount	12010000	0.10	0.21	3,09	110.00	1.030	°	0.00	2.67
Air 6449 B41 w/ Pipe	240.0000	0.10	-6.21	3.59	118.00	1.036	8	6.60	2.67
Mount	210.0000	0.19	-0.21	3.33	110.00	1.030	ျ	0.00	2.07
AIR32	0.0000	0.15	0.00	-7.18	118.00	1.036	8	6.75	6.07
KRD901146-1-B66A-B2	5.5555	0.15	0.00	7.10	110.00	1.030	°	0.73	0.07
A w/ Mount Pipe									
AIR32	120.0000	0.15	6.21	3.59	118.00	1.036	8	6.75	6.07
KRD901146-1-B66A-B2			0.21	3.37	110.00	1.050	١	0.75	0.07
A w/ Mount Pipe									
AIR32	240.0000	0.15	-6.21	3.59	118.00	1.036	8	6,75	6.07
KRD901146-1-B66A-B2					110.00	1.050	ŭ	0.75	0.07
A w/ Mount Pipe									
APXVAALL24_43-U-N	0.0000	0.19	0.00	-7.18	118.00	1.036	8	14.69	6.87
A20 w/ Mount Pipe	1070.001	- 1	1-01/2011				Ĭ	11105	30130.1.
APXVAALL24_43-U-N	120.0000	0.19	6.21	3.59	118,00	1.036	8	14.69	6.87
A20 w/ Mount Pipe	A LONG TO THE POST OF	- 1						1	918.0
APXVAALL24_43-U-N	240.0000	0.19	-6.21	3.59	118.00	1.036	8	14.69	6.87
A20 w/ Mount Pipe									
4449 B71 + B85	0.0000	0.07	0.00	-7.18	118.00	1.036	8	2.09	1.59
4449 B71 + B85	120.0000	0.07	6.21	3.59	118.00	1.036	8	2.09	1.59
4449 B71 + B85	240.0000	0.07	-6.21	3.59	118.00	1.036	- 8	2.09	1.59
4415 B25	0.0000	0.06	0.00	-7.18	118.00	1.036	- 8	2.02	1.25
4415 B25	120.0000	0.06	6.21	3.59	118.00	1.036	8	2.02	1.25
4415 B25	240.0000	0.06	-6.21	3.59	118.00	1.036	8	2.02	1.25
SDX1926Q-43	0.0000	0.01	0.00	-7.18	118.00	1.036	8	0.24	0.10

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Description		Weight	$Offset_x$	Offset _z	Z	K_z	q_z	C _A A _C	C₁Ac Side
1 1	Azimuth			ما	ft		psf	Front ft ²	siae ft²
	100,0000	K	ft 6.21	ft 3.59	118.00	1.036	8	0.24	0.10
SDX1926Q-43	120,0000	0.01 0.01	-6.21	3.59	118.00	1.036	8		0.10
SDX1926Q-43	240.0000	0.01	0.00	-7.18	118.00	1.036	8	1.50	0.50
KRY 112 71	0.0000 120.0000	0.02	6.21	3.59	118.00	1.036	8	1.50	0.50
KRY 112 71	240.0000	0.02	-6.21	3.59	118.00	1.036	8	1.50	0.50
KRY 112 71	0.0000	0.66	0.00	-5.18	118.00	1.036	8	13.20	9.20
Sector Frame (SitePro 1	0.0000	0.00	0.00		/4/	H2024704.			
P/N: VFA12-HD)	120.0000	0.66	4.48	2.59	118.00	1.036	8	13.20	9.20
Sector Frame (SitePro 1	120.0000	0.00							200-200
P/N: VFA12-HD) Sector Frame (SitePro 1	240.0000	0.66	-4.48	2.59	118.00	1.036	8	13.20	9.20
P/N: VFA12-HD)	240.0000	0.00						1	
OPA65R-BU6DA w/	0.0000	0.09	0.00	-7.18	110.00	1.016	8	12.25	6.05
Mount Pipe	0.0000								7276
OPA65R-BU6DA w/	120.0000	0.09	6.21	3.59	110.00	1.016	8	12.25	6.05
Mount Pipe	120.0000								
OPA65R-BU6DA w/	240,0000	0.09	-6.21	3.59	110.00	1.016	8	12.25	6.05
Mount Pipe	2.10.10.00							120	2.22
RRUS 4478 B14	0.0000	0.06	0.00	-7.18	110.00	1.016	8	1.84	1.06
RRUS 4478 B14	120.0000	0.06	6.21	3.59	110.00	1.016	8	1.84	1.06
RRUS 4478 B14	240.0000	0.06	-6.21	3.59	110.00	1.016	8		1.06
7770 w/Mount Pipe	300.0000	0.07	-4.84	-2.79	110.00	1.016	8	6.20	4.94
7770 w/Mount Pipe	60.0000	0.07	4.84	-2.79	110.00	1.016	8		4.94
7770 w/Mount Pipe	180.0000	0.07	0.00	5.59	110.00	1.016	8	6.20	4.94
800 10965 w/ Mount	300.0000	0.14	-4.84	-2.79	110.00	1.016	8	14.05	7.63
Pipe	200.000								
800 10965 w/ Mount	60.0000	0.14	4.84	-2.79	110.00	1.016	8	14.05	7.63
Pipe	NACTOR A	22/10	5040630		14 700			INDOOR'S	
800 10965 w/ Mount	180,0000	0.14	0.00	5.59	110.00	1.016	8	14.05	7.63
Pipe									
P65-16-XLH-RR w/	300,0000	0.08	-4.84	-2.79	110.00	1.016	8	8.37	6.36
Mount Pipe		1 187,500,44	***************************************						636
P65-16-XLH-RR w/	60.0000	0.08	4.84	-2.79	110.00	1,016	8	8.37	6.36
Mount Pipe	COMMUNICAL		Name of Security Security		FOR PC WANTER				20.00
P65-16-XLH-RR w/	180.0000	0.08	0.00	5.59	110.00	1.016	8	8.37	6.36
Mount Pipe					1				0.00
LGP21401 TMA	300.0000	0.04	-4.84	-2.79	110.00	1.016	8		
LGP21401 TMA	60.0000	0.04	4.84	-2.79	110.00	1.016	8		
LGP21401 TMA	180.0000	0.04	0.00	5.59	110.00	1.016	8		
TT19-08BP111-001	300.0000	0.02	-4.84	-2.79	110.00	1.016	8		
TT19-08BP111-001	60.0000	0.02	4.84	-2.79	110.00	1.016	8		
TT19-08BP111-001	180.0000	0.02	0.00	5.59		1.016	- 8		
RRUS-11	300.0000	0.06	-4.84	-2.79	110.00	1.016	8		
RRUS-11	60.0000	0.06	4.84	-2.79	110.00	1.016	8		1.07
RRUS-11	180,0000	0.06	0.00	5.59	110.00	1.016	8		5955250
RRUS 4478 B5	300.0000	0.06	-4.84	-2.79	110.00	1.016	8	4	
RRUS 4478 B5	60.0000	0.06	4.84	-2.79		1.016	8		22722
RRUS 4478 B5	180.0000	0.06	0.00	5.59	110.00	1.016	8		3655579
RRUS 4415 B25	300.0000	0.04	-4.84	-2.79	110.00		8	21022	1001200
RRUS 4415 B25	60.0000	0.04	4.84	-2.79	110.00	1.016	8		
RRUS 4415 B25	180,0000	0.04	0.00	5.59	110.00	1.016	8		
DC6-48-60-18-8F	300.0000	0.03	-1.81	-1.04	110.00	1.016	8		C 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
DC6-48-60-18-8F	60.0000	0.03	1.81	-1.04	110.00	1.016	8		
(3) 12' Sector Mounts	0.0000	1.50	0.00	0.00	110.00	1.016	8	15.85	15.85
[Sabre C10857001C]									. 22
MT6407-77A w/Mount	0.0000	0.11	0.00	-7.18	98.00	0.983	8	6.68	3.78
Pipe	5.5550								
MT6407-77A w/Mount	120.0000	0.11	6.21	3.59	98.00	0.983	8	6.68	3.78
Pipe	123,000	[5 58
MT6407-77A w/Mount	240.0000	0.11	-6.21	3.59	98.00	0.983	8	6.68	3.78
Pipe	_,,,,,,,,,,,,								
MX06FRO660-03 TIA	0.0000	0.20	0.00	-7.18	98.00	0.983	8	20.22	17.97

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Description	Aiming	Weight	Offset _x	$Offset_z$	Z	K _z	q_z	C_AA_C	C_AA_C
	Azimuth						-	Front	Side
	0	K	ft	ft	ft		psf	ft²	ft^2
w/ Mount Pipe									
MX06FRO660-03_TIA	120.0000	0.20	6.21	3.59	98.00	0.983	8	20.22	17.97
w/ Mount Pipe									
MX06FRO660-03_TIA	240.0000	0.20	-6.21	3.59	98.00	0.983	8	20.22	17.97
w/ Mount Pipe						0,500	ĭ	20,22	17.57
BXA-80090-8CF-EDIN-	0.0000	0.06	0.00	-7.18	98.00	0.983	8	8.44	8.70
X w/ Mount Pipe						0.702	ĭ	3	0.70
BXA-80090-8CF-EDIN-	120.0000	0.06	6.21	3.59	98.00	0.983	8	8,44	8.70
X w/ Mount Pipe	- STORY STATE					5,700	ĭ	5	0.70
BXA-80090-8CF-EDIN-	240.0000	0.06	-6.21	3.59	98.00	0.983	8	8.44	8.70
X w/ Mount Pipe						51,52	ĭ	57	0.70
RF4439d-25A	0.0000	0.07	0.00	-7.18	98.00	0.983	8	2.18	1.46
RF4439d-25A	120.0000	0.07	6.21	3.59	98.00	0.983	8	2.18	1.46
RF4439d-25A	240.0000	0.07	-6.21	3.59	98.00	0.983	8	2.18	1.46
RF4440d-13A	0.0000	0.07	0.00	-7.18	98.00	0.983	8	2.18	1.32
RF4440d-13A	120.0000	0.07	6.21	3.59	98.00	0.983	8	2.18	1.32
RF4440d-13A	240.0000	0.07	-6.21	3.59	98.00	0.983	8	2.18	1.32
RRFDC-3315-PF-48	0.0000	0.03	0.00	-7.18	98.00	0.983	8	3.02	1.96
RRFDC-3315-PF-48	120.0000	0.03	6.21	3.59	98.00	0.983	8	3.02	1.96
(3) 10' x 2' T-Arms	0.0000	1.74	0.00	0.00	96.00	0.977	8	17.87	17.87
KA-6030	0.0000	0.04	0.00	-7.18	98.00	0.983	8	1.93	0.57
1.9"Ø x 9.8' Pipe Mount	120.0000	0.02	3.69	2.13	55.00	0.833	7	1,65	1.65
BPA7496-180-14	0.0000	0.21	0.00	-7.18	130.00	1.065	8	37.15	31.87
w/Mount Pipe		- 1				1.000	Ĭ	571.15	51.07
432F-83W-01-T	0.0000	0.01	0.00	-7.18	130.00	1.065	8	1.40	0.82
12' Standard Duty	0.0000	0.43	0.00	-3.18	128.00	1.060	8	10.80	6.40
V-Frame [Site Pro1 P/N:					120.00	1.000	ĭ	10.00	0.40
VFA12-SD-S]									
Pipe Mount	120.0000	0.04	3,18	1.84	123.00	1.048	8	1.19	1.19
	Sum	11.56		2.57			ျ	****	1.17
	Weight:								

Dish Pressures - No Ice

Elevation	Dish	Aiming	Weight	Offset _x	Offset <u>.</u>	K _z	A _A	q _z
ft	Description	Azimuth	K	fl	fl		ft²	psf
57.00 51.00	PR-850 PR-850 PR-850 VHLP3-11W	0.0000 130.0000 145.0000 158.4400 Sum Weight:	0.04 0.04 0.05 0.17	0.00 4.05 4.27 3.62	-4.67 2.34 2.47 2.09	0.842 0.842 0.815 1.048	25.22 25.22	23 23

Dish Pressures - With Ice

Elevation	Dish	Aiming	Weight	Offset _x	Offset <u>:</u>	Kz	A _A	q _z	t _z
ft	Description	Azimuth	K	ft	ft		ft²	psf	in
57.00 51.00	PR-850 PR-850 PR-850 VHLP3-11W	0.0000 130.0000 145.0000 158.4400 Sum Weight:	0.27 0.27 0.14 0.96	3.62	-4.67 2.34 2.47 2.09		26.56 26.56 26.54 9.31		0.8977 0.8977 0.8878 0.9695

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Dish Pressures - Service

Elevation	Dish	Aiming	Weight	Offset _x	Offset _z	K _z	A _A	q _z
ft	Description	Azimuth	K	ft	ft		ft²	psf
57.00 51.00	PR-850 PR-850 PR-850 VHLP3-11W	0.0000 130.0000 145.0000 158.4400 Sum Weight:	0.04 0.04 0.05 0.17	0.00 4.05 4.27 3.62	2.34 2.47	0.842 0.842 0.815 1.048	25.22 25.22	7 6

Force Totals

Load	Vertical	Sum of	Sum of	Sum of	Sum of Overturning	Sum of Torques
Case	Forces	Forces	Forces	Overturning Moments, M ₁	Moments, Mz	
		X K	Z K	kip-ft	kip-ft	kip-ft
	K 8.06	Λ			BU-GRADIE UNIV	SWIE S
Leg Weight	4.17	100 S			THE STATE OF	THE PARTY OF THE P
Bracing Weight	12.23	DI LOCALIDATE	ENGLISH SAN	2.61	-11.49	
Total Member Self-Weight	29.69	Salar State	OR STATE OF THE PARTY.	2.61	-11.49	
Total Weight	27.07	-0.14	-23.41	-1917.36	0.36	14.49
Wind 0 deg - No Ice		10.97	-19.68	-1628.27	-908.57	11.47
Wind 30 deg - No Ice		19.23	-11.28	-932.37	-1589.89	9.09
Wind 60 deg - No Ice		22.63	0.14	15.27	-1859.73	4.6
Wind 90 deg - No Ice	100 LULY 100 T	20.40	12.13	992.15	-1658.59	-3.8
Wind 120 deg - No Ice		11.36	19.98	1642.27	-935.47	-12.5
Wind 150 deg - No Ice		0.13	22.39	1854.86	-22.24	-14.3
Wind 180 deg - No Ice	X STATE OF THE STA	-10.97	19.68	1630.66	887.11	-11.45
Wind 210 deg - No Ice		-19.97	11.79	970.84	1614.22	-9.2
Wind 240 deg - No Ice		-22.64	-0.21	-16.11	1837.28	-4.5
Wind 270 deg - No Ice		-19.61	-11.68	-961.11	1587.24	
Wind 300 deg - No Ice		-11.32	-20.01	-1642.48	911.89	12.6
Wind 330 deg - No Ice	SERVICE SERVICE	-11.32	20.01			ALCOHOLD
Member Ice	7.54	2000	A THE RESERVE TO SERVE	7,26	-28.20	
Total Weight Ice	57.62	-0.22	-6.36	-507.10	-15.31	3.2
Wind 0 deg - Ice	TO THE PARTY OF TH	2.86	-5.45	435.57	-263.77	
Wind 30 deg - Ice			-3.05	-243.53	-456.57	
Wind 60 deg - Ice	No. of the last of	5.27	0.03	9.84	-529.11	1.9
Wind 90 deg - Ice		6.19	3.36	275.92	-465.93	1965
Wind 120 deg - Ice		5.45	5,47	449.96	-273.94	
Wind 150 deg - Ice		3.03	6.15	508.66	-30.03	
Wind 180 deg - Ice	WELL SO OF THE	0.02	5.42	448.18	210.35	
Wind 210 deg - Ice		-2.91		266.10	411.41	-2.6
Wind 240 deg - Ice		-5.46	3.18 -0.24	-7.38	477.66	
Wind 270 deg - Ice	A CAMPINE IN	-6.28		-7.36 -258.03	405.75	
Wind 300 deg - Ice	The Park of the Pa	-5.39	-3.30	-236.03 -435.22	226.44	2.0
Wind 330 deg - Ice		-3.19	-5.46	2.61	-11.49	A COMPANY OF THE PARK PARK PARK PARK PARK PARK PARK PARK
Total Weight	29.69		(50	-543.87	2.44	
Wind 0 deg - Service		-0.04	-6.59	-343.87 -462.42	-253.67	
Wind 30 deg - Service		3.09	-5.54	-266.35	-445.63	
Wind 60 deg - Service		5.42	-3.18	300,000	-521.66	
Wind 90 deg - Service	Callword I	6.37	0.04		-321.00 -464.98	1000
Wind 120 deg - Service		5.75	3.42	275.89	-464.98	
Wind 150 deg - Service		3.20	5.63		-261.24	100000
Wind 180 deg - Service		0.04			-3.93 252.29	
Wind 210 deg - Service	UZ 317.692	-3.09	5.55			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Wind 240 deg - Service		-5.63	3.32	269.89	457.15	-2.0

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Load	Vertical	Sum of	Sum of	Sum of	Sum of	Sum of Torques
Case	Forces	Forces	Forces	Overturning	Overturning	J 2
		X	Z	Moments, M.	Moments, M.	
	K	K	K	kip-ft	kip-fi	kip-ft
Wind 270 deg - Service		-6.38	-0.06	-8.19	520.01	-1.29
Wind 300 deg - Service		-5.53	-3.29	-274.44	449.56	1.09
Wind 330 deg - Service		-3.19	-5.64	-466.42	259.27	3.55
Seismic Vertical	1.54	1 5 X 1 5 1 1 1 1	CONTRACTOR OF	A STREET, STRE	A STATE OF THE PARTY OF THE PAR	THE REAL PROPERTY.
Seismic Horizontal 0 deg		0.00	-1.72	-164.37	0.00	0.00
Seismic Horizontal 30 deg	10 0000 000	0.86	-1.49	-142,35	-82.19	0.00
Seismic Horizontal 60 deg		1.49	-0.86	-82.19	-142.35	0.00
Scismic Horizontal 90 deg	ALCOHOL: N	1.72	0.00	0.00	-164.37	0.00
Seismic Horizontal 120 deg		1.49	0.86	82.19	-142.35	0.00
Seismic Horizontal 150 deg		0.86	1.49	142.35	-82.19	0.00
Seismic Horizontal 180 deg		0.00	1.72	164.37	0.00	0.00
Seismic Horizontal 210 deg	All Falling Law	-0.86	1.49	142.35	82.19	0.00
Seismic Horizontal 240 deg		-1.49	0.86	82.19	142,35	0.00
Seismic Horizontal 270 deg		-1.72	0.00	0.00	164.37	0.00
Seismic Horizontal 300 deg	the same	-1.49	-0.86	-82.19	142.35	0.00
Seismic Horizontal 330 deg	III CONTRACTOR	-0.86	-1.49	-142.35	82.19	0.00

Load Combinations

Comb. No		Description	
1	Dead Only		
2	1.2 Dead+1.0 Wind 0 deg - No Ice		
3	0.9 Dead+1.0 Wind 0 deg - No Ice		
4	1.2 Dead+1.0 Wind 30 deg - No Ice		
5	0.9 Dead+1.0 Wind 30 deg - No Ice		72
6	1.2 Dead+1.0 Wind 60 deg - No Ice		
7	0.9 Dead+1.0 Wind 60 deg - No Ice		
8	1.2 Dead+1.0 Wind 90 deg - No Ice		
9	0.9 Dead+1.0 Wind 90 deg - No Ice		
10	1.2 Dead+1.0 Wind 120 deg - No Ice		
11	0.9 Dead+1.0 Wind 120 deg - No Ice		
12	1.2 Dead+1.0 Wind 150 deg - No Ice		
13	0.9 Dead+1.0 Wind 150 deg - No Ice		
14	1.2 Dead+1.0 Wind 180 deg - No Ice		
15	0.9 Dead+1.0 Wind 180 deg - No Ice		
16 .	1.2 Dead+1.0 Wind 210 deg - No Ice		
17	0.9 Dead+1.0 Wind 210 deg - No Ice		
18	1.2 Dead+1.0 Wind 240 deg - No Ice		
19	0.9 Dead+1.0 Wind 240 deg - No Ice		
20	1.2 Dead+1.0 Wind 270 deg - No Ice		
21	0.9 Dead+1.0 Wind 270 deg - No Ice		
22	1.2 Dead+1.0 Wind 300 deg - No Ice		
23	0.9 Dead+1.0 Wind 300 deg - No Ice		
24	1.2 Dead+1.0 Wind 330 deg - No Ice		
25	0.9 Dead+1.0 Wind 330 deg - No Ice		
26	1.2 Dead+1.0 Ice+1.0 Temp		
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp		
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp		
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp		
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp		
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp		
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp		
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp		
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp		
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp		

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Comb.		Description	7	
No.				
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp			
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp			
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp			
39	Dead+Wind 0 deg - Service			
40	Dead+Wind 30 deg - Service			
41	Dead+Wind 60 deg - Service			
42	Dead+Wind 90 deg - Service			
43	Dead+Wind 120 deg - Service			
44	Dead+Wind 150 deg - Service			
45	Dead+Wind 180 deg - Service			
46	Dead+Wind 210 deg - Service			
47	Dead+Wind 240 deg - Service			
48	Dead+Wind 270 deg - Service			
49	Dead+Wind 300 deg - Service			
50	Dead+Wind 330 deg - Service			
51	1.2 Dead+1.0 Ev+1.0 Eh 0 deg			
52	0.9 Dead-1.0 Ev+1.0 Eh 0 deg			
53	1.2 Dead+1.0 Ev+1.0 Eh 30 deg			
54	0.9 Dead-1.0 Ev+1.0 Eh 30 deg			
55	1.2 Dead+1.0 Ev+1.0 Eh 60 deg			
56	0.9 Dead-1.0 Ev+1.0 Eh 60 deg			
57	1.2 Dead+1.0 Ev+1.0 Eh 90 deg			
58	0.9 Dead-1.0 Ev+1.0 Eh 90 deg			
59	1.2 Dead+1.0 Ev+1.0 Eh 120 deg			
60	0.9 Dead-1.0 Ev+1.0 Eh 120 deg			
61	1.2 Dead+1.0 Ev+1.0 Eh 150 deg			
62	0.9 Dead-1.0 Ev+1.0 Eh 150 deg			
63	1.2 Dead+1.0 Ev+1.0 Eh 180 deg			
64	0.9 Dead-1.0 Ev+1.0 Eh 180 deg			
65	1.2 Dead+1.0 Ev+1.0 Eh 210 deg			
66	0.9 Dead-1.0 Ev+1.0 Eh 210 deg			
67	1.2 Dead+1.0 Ev+1.0 Eh 240 deg			
68	0.9 Dead-1.0 Ev+1.0 Eh 240 deg			
69	1.2 Dead+1.0 Ev+1.0 Eh 270 deg			
70	0.9 Dead-1.0 Ev+1.0 Eh 270 deg			
71	1.2 Dead+1.0 Ev+1.0 Eh 300 deg			
72	0.9 Dead-1.0 Ev+1.0 Eh 300 deg			
73	1.2 Dead+1.0 Ev+1.0 Eh 330 deg			
74	0.9 Dead-1.0 Ev+1.0 Eh 330 deg			

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axi Moment kip-ft
TI	130 - 120	Leg	Max Tension	23	2.14	0.05	0.36
T1 130	130 - 120	LCB	Max. Compression	2	-3.79	0.01	-0.03
			Max. Mx	8	-1.11	0.97	-0.01
			Max. My	16	-0.63	0.05	0.69
			Max. Vy	8	-0.49	0.00	0.00
			Max. Vx	16	-0.35	0.00	0.00
		Diagonal	Max Tension	10	1.59	0.00	0.00
		Diagonal	Max. Compression	22	-1.60	0.00	0.00
			Max. Mx	2	-0.08	0.01	0.00
			Max. My	22	-1.59	0.01	-0.01
			Max. Vy	30	-0.02	0.01	0.00
			Max. Vx	22	-0.00	0.00	0.00
	- 2	Top Girt	Max Tension	15	0.12	0.00	0.00
		Top Out	Max. Compression	2	-0.15	0.00	0.00

FDH Infrastructure Services, LLC 6521 Meridien Drive

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Section No.	Elevation ft	Component Type	Condition	Gov. Load	Axial	Major Axis Moment	Minor Axi Moment
				Comb.	K	kip-ft	kip-fi
			Max. Mx	26	-0.02	-0.03	0.00
			Max. My	24	0.01	0.00	-0.00
			Max. Vy	26	0.02	0.00	0.00
			Max. Vx	24	0.00	0.00	0.00
T2	120 - 115	Leg	Max Tension	23	4.83	0.35	0.32
		8	Max. Compression	2	-8.59	-0.01	
			Max. Mx	20			0.15
		74			3.90	-0.51	0.13
			Max. My	14	-3.07	0.07	0.52
			Max. Vy	20	-0.94	-0.07	-0.00
		70.	Max. Vx	2	-1.08	0.06	0.51
		Diagonal	Max Tension	10	2.26	0.00	0.00
			Max. Compression	22	-2.26	0.00	0.00
			Max. Mx	2	-0.02	0.01	-0.00
			Max, My	22	-2.25	0.00	-0.01
			Max. Vy	29	-0.01	0.01	0.00
			Max. Vx	22	-0.00	0.00	0.00
		Top Girt	Max Tension	2	0.56	0.00	0.00
			Max. Compression	14	-0.57		
						0.00	0.00
			. Max. Mx	26	-0.01	-0.02	0.00
			Max. My	24	-0.01	0.00	-0.00
			Max. Vy	26	0.02	0.00	0.00
			Max. Vx	24	0.00	0.00	0.00
T3	115 - 110	Leg	Max Tension	23	7.83	0.15	0.05
			Max. Compression	2	-13.17	0.03	-0.01
			Max. Mx	20	5.92	0.19	-0.05
			Max. My	24	-1.35	0.12	0.20
			Max. Vy	18	0.07	0.18	
			Max. Vx	4			-0.14
		Diagonal	Max Tension		0.08	-0.12	0.19
		Diagoliai		22	2.90	0.00	0.00
			Max. Compression	10	-2.95	0.00	0.00
			Max. Mx	28	0.16	0.02	0.00
			Max. My	20	-1.64	0.00	-0.01
			Max. Vy	27	-0.01	0.02	0.00
			Max. Vx	20	0.00	0.00	-0.01
T4	110 - 105	Leg	Max Tension	15	14.96	-0.03	0.02
			Max. Compression	2	-22.20	0.02	0.00
			Max. Mx	6	-11.72	0.09	-0.00
			Max. My	4	-2.85	-0.05	
	4		-	8			0.09
			Max. Vy		-0.96	0.02	-0.01
		Diament.	Max. Vx	2	0.96	0.00	-0.03
		Diagonal	Max Tension	24	4.25	0.00	0.00
			Max. Compression	24	-4.22	0.00	0.00
			Max. Mx	4	1.94	0.02	-0.00
			Max. My	22	-3.69	-0.00	-0.01
			Max. Vy	28	-0.01	0.01	0.00
			Max. Vx	22	-0.00	0.00	0.00
Γ5	105 - 100	Leg	Max Tension	15	23.17	-0.02	-0.08
			Max. Compression	2	-31.79		
			1			0.02	0.00
			Max. Mx	9	-2.96	-0.12	-0.00
			Max. My	3	10.69	-0.03	0.14
			Max. Vy	8	0.08	0.05	0.01
			Max. Vx	4	-0.09	-0.07	0.13
		Diagonal	Max Tension	24	4.51	0.00	0.00
			Max. Compression	24	-4.56	-0.01	0.00
			Max. Mx	2	3.88	0.03	0.00
			Max. My	23	-2.85	-0.01	-0.01
			Max. Vy	27	-0.02		
						.0.02	0.00
		Second	Max. Vx	23	0.00	-0.01	-0.01
		Secondary Horizontal	Max Tension	20	0.13	0.00	0.00
			Max. Compression	9	-0.12	0.00	0.00

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Section	Elevation	Component	Condition	Gov. Load	Axial	Major Axis Moment	Minor Ax Momen			
No.	ft	Туре		Comb.	K	kip-ft	kip-ft			
			Max. Mx	10	0.10	0.02	0.00			
				2	-0.03	0.00	-0.01			
			Max. My	27	0.02	0.02	-0.00			
			Max. Vy	10	0.00	0.00	0.00			
			Max. Vx	15	70.98	-0.05	-0.27			
T6	100 - 80	Leg	Max Tension		-84.86	-0.09	-0.62			
			Max. Compression	2	57.98	-0.56	-0.17			
			Max. Mx	20	-82.89	-0.09	-0.63			
			Max. My	3		-0.35	0.00			
			Max. Vy	8	0.77	0.01	-0.37			
			Max. Vx	14	0.82	0.00	0.00			
		Diagonal	Max Tension	24	7.15	0.00	0.00			
			Max. Compression	24	-7.34		-0.00			
			Max. Mx	2	5.99	0.03	-0.00			
			Max. My	2	-5.28	-0.00				
			Max. Vy	31	-0.02	0.02	-0.00			
			Max. Vx	2	0.00	0.00	0.00			
T7	80 - 60	Leg	Max Tension	15	105.33	-0.05	0.01			
• '		•	Max. Compression	2	-122.16	0.19	-0.04			
			Max. Mx	18	-90.17	1.32	0.06			
			Max. My	14	-49.74	0.60	0.71			
			Max. Vy	19	-3.92	1.32	0.06			
			Max. Vx	14	-2.28	0.60	0.71			
					Diagonal	Max Tension	24	4.75	0.00	0.00
		8	Max. Compression	24	-5.03	0.00	0.00			
			Max. Mx	2	2.55	0.03	-0.01			
			Max. My	24	-5.00	-0.01	-0.01			
			Max. Vy	31	-0.02	0.02	0.00			
			Max. Vx	24	0.00	0.00	0.00			
		Top Girt	Max Tension	11	0.20	0.00	0.00			
		Top Gut	Max. Compression	22	-0.34	0.00	0.00			
			Max. Mx	31	0.01	-0.02	0.00			
			Max. My	27	-0.10	0.00	0.00			
			Max. Vy	31	0.02	0.00	0.00			
			Max. Vx	27	0.00	0.00	0.00			
	60 40	Tom	Max Tension	15	132.00	-0.17	0.00			
T8	60 - 40	Leg	Max. Compression	10	-152.10	-0.07	0.01			
			Max. Mx	31	-54.01	0.21	-0.00			
			Max. My	5	-4.12	0.00	-0.28			
			Max. Vy	14	0.12	-0.21	0.06			
		20	Max. Vx	2	0.18	-0.13	-0.23			
			Max Tension	24	4.67	0.00	0.00			
		Diagonal		24	-4.80	0.00	0.00			
			Max. Compression	31	0.58	0.03	0.00			
			Max. Mx	2	-4.27	-0.01	-0.01			
			Max. My	31	-0.02	0.03	0.00			
			Max. Vy		0.02	0.00	0.00			
			Max. Vx	2	152.29	0.44	0.03			
T9	40 - 20	Leg	Max Tension	15		-0.46	0.00			
			Max. Compression	10	-176.08 -175.83	0.84	-0.01			
			Max. Mx	10		-0.09	-0.74			
			Max. My	4	-7.38	0.84	-0.74			
			Max. Vy	2	-0.32		-0.74			
			Max. Vx	4	-0.22	-0.09	-0.74			
		Diagonal	Max Tension	25	5.98	0.08				
		-	Max. Compression	24	-6.33	0.00	0.00			
			Max. Mx	10	3.61	0.12	0.02			
			Max. My	12	-6.24	-0.05	0.04			
			Max. Vy	29	0.04	0.07	-0.00			
			Max. Vx	12	0.01	0.00	0.00			
		Secondary Horizontal	Max Tension	6	0.36	0.01	-0.00			
			Max. Compression	5	-0.44	0.00	0.01			

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-fl	Minor Axi Moment kip-ft
			Max. Mx	34	-0.05	0.02	0.00
			Max. My	14	-0.33	0.02	0.00
			Max. Vy	28	0.02	0.02	0.01
			Max. Vx	14	-0.00	0.02	0.00
T10	20 - 0	Leg	Max Tension	23	173.41	0.51	-0.01
		2-6	Max. Compression	10	-201.37	0.00	
			Max. Mx	10	-201.37	0.96	0.00
			Max. My	4			-0.01
			Max. Vy		-8.82	-0.11	-0.88
			Max. Vx	2 4	0.34	0.96	0.00
		Diagonal	Max Tension		0.24	-0.11	-0.88
		Diagonai		25	5.74	0.07	-0.01
			Max. Compression	24	-5.93	0.00	0.00
			Max. Mx	12	0.96	0.11	0.02
			Max. My	1 2	-5.79	-0.03	0.03
			Max. Vy	29	0.04	0.09	-0.00
			Max. Vx	12	0.01	0.00	0.00
		Secondary Horizontal	Max Tension	6	0.40	0.00	0.00
			Max. Compression	5	-0.48	0.01	0.01
			Max. Mx	34	-0.09	0.02	0.00
			Max. My	14	-0.41	0.01	0.01
			Max. Vy	34	-0.02	0.02	0.00
			Max. Vx	14	-0.00	0.00	0.00

Maximum Reactions

Location	Condition	Gov. Load	Vertical K	Horizontal, X K	Horizontal, Z K
Leg C	Max. Vert	Comb.	202.20		
Lege		18	202.39	12.86	-6.90
	Max. H _x	18	202.39	12.86	-6.90
	$Max. H_z$	7	-177.22	-11.50	6.11
	Min. Vert	7	-177.22	-11.50	6.11
	Min. H _x	7	-177.22	-11.50	6.11
	$Min. H_z$	18	202.39	12.86	-6.90
Leg B	Max. Vert	10	207.76	-12.82	-7.64
	$Max. H_x$	23	-178.63	11,42	6.82
	$Max. H_z$	25	-153.96	9.33	6.89
	Min. Vert	23	-178.63	11.42	6.82
	Min. H _x	10	207.76	-12.82	-7.64
	Min. Hz	10	207.76	-12.82	-7.64
Leg A	Max. Vert	2	205.97	0.74	14.74
	Max. H _x	22	109.15	1.53	7.55
	$Max. H_z$	2	205.97	0.74	14.74
	Min. Vert	15	-178.48	-0.73	-13.08
	$Min. H_x$	11	-91.30	-1.43	-6.98
	Min. H ₂	15	-178.48	-0.73	-13.08

Tower Mast Reaction Summary

Load	Vertical	Shear _x	Shear ₂	Overturning	Overturning	Torque
Combination				Moment, Mx	Moment, M.	2
	K	K	K	kip-ft	kip-ft	kip-ft

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Load Combination	Vertical	Shear _x K	Shear _z K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
	K		0.00	2.61	-11.53	-0.0
Dead Only 1.2 Dead+1.0 Wind 0 deg - No	29.69 35.63	0.00 -0.14	-23.41	-1933.04	-2.01	14.5
ce 9.9 Dead+1.0 Wind 0 deg - No	26.72	-0.14	-23.41	-1929.58	1.47	14.5
ce .2 Dead+1.0 Wind 30 deg - No	35.63	10.97	-19.68	-1641.58	-918.57	11.5
ce 0.9 Dead+1.0 Wind 30 deg - No	26.72	10.97	-19.68	-1638.74	-913.09	11.5
ce .2 Dead+1.0 Wind 60 deg - No	35.63	19.23	-11.28	-939.78	-1605.63	9.1
ce 0.9 Dead+1.0 Wind 60 deg - No	26.72	19.23	-11.28	-938.48	-1598.64	9.1
ce .2 Dead+1.0 Wind 90 deg - No	35.63	22.63	0.14	15.91	-1877.68	4.6
ce 0.9 Dead+1.0 Wind 90 deg - No	26.72	22.63	0.14	15.10	-1870.11	4.6
ce 2 Dead+1.0 Wind 120 deg -	35.63	20.40	12.13	1000.98	-1674.75	-3.9
No Ice).9 Dead+1.0 Wind 120 deg - No Ice	26.72	20.40	12.13	998.02	-1667.64	-3.8
1.2 Dead+1.0 Wind 150 deg - No Ice	35.63	11.36	19.98	1656.62	-945.66	-12.5
0.9 Dead+1.0 Wind 150 deg - No Ice	26.72	11.36	19.98	1652.21	-940.13	-12.5 -14.3
.2 Dead+1.0 Wind 180 deg -	35.63	0.13	22.39	1871.09	-24.81	-14.:
0.9 Dead+1.0 Wind 180 deg -	26.72	0.13	22.39	1866.21	-21.27 892.19	-11.:
.2 Dead+1.0 Wind 210 deg - No Ice	35.63	-10.97	19.68	1645.01	892.19	-11.:
).9 Dead+1.0 Wind 210 deg - No Ice	26.72	-10.97	19.68	1640.62	1625.40	-9.:
2 Dead+1.0 Wind 240 deg - No Ice	35.63	-19.97	11.79	979.57	1625.33	-9.
).9 Dead+1.0 Wind 240 deg - No Ice	26.72	-19.97	11.79	976.65	1850.36	-4.:
1.2 Dead+1.0 Wind 270 deg - No Ice	35.63	-22.64	-0.21	-15.77	1849.81	-4.:
0.9 Dead+1.0 Wind 270 deg - No Ice	26.72	-22.64	-0.21	-16.50	1598.19	3.
1.2 Dead+1.0 Wind 300 deg - No Ice	35.63	-19.61	-11.68	-968.77	1598.19	3.
0.9 Dead+1.0 Wind 300 deg - No Ice	26.72	-19.61	-11.68	-967.42	917.16	12.
1.2 Dead+1.0 Wind 330 deg - No Ice	35.63	-11.32	-20.01	-1655.87	918.64	12.
0.9 Dead+1.0 Wind 330 deg - No Ice	26.72	-11.32	-20.01	-1653.02	-31.03	0.
.2 Dead+1.0 Ice+1.0 Temp .2 Dead+1.0 Wind 0 deg+1.0	63.56 63.56	0.00 -0.22	0.00 -6.36	7.79 -514.31	-18.06	3.
ce+1.0 Temp 1.2 Dead+1.0 Wind 30 deg+1.0	63.56	2.86	-5.45	-441.71	-270.23	3.
ce+1.0 Temp 1.2 Dead+1.0 Wind 60 deg+1.0	63.56	5.27	-3.05	-246.80	-465.88	2.
Ice+1.0 Temp 1.2 Dead+1.0 Wind 90 deg+1.0	63,56	6.19	0.03	10.42	-539.52	1.
Ice+1.0 Temp 1.2 Dead+1.0 Wind 120	63.56	5.45	3.36	280.48	-475.35	-0.
deg+1.0 Ice+1.0 Temp 1.2 Dead+1.0 Wind 150	63.56	3.03	5.47	457.17	-280.50	-2.

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Load Combination	Vertical	Shear _x	Shear _z	Overturning Moment, Mx	Overturning Moment, M.	Torque
J	K	K	K	kip-ft	kip-ft	kip-ft
deg+1.0 Ice+1.0 Temp	60.76					
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	63.56	0.02	6.15	516.79	-32.92	-3.56
1.2 Dead+1.0 Wind 210	(2.5)	201				
deg+1.0 Ice+1.0 Temp	63.56	-2.91	5.42	455.39	211.11	-3.38
1.2 Dead+1.0 Wind 240	62.56	5.46				
deg+1.0 Ice+1.0 Temp	63.56	-5.46	3.18	270.57	415.14	-2.67
1.2 Dead+1.0 Wind 270	63.56	6.20	0.04			
deg+1.0 Ice+1.0 Temp	05.50	-6.28	-0.24	-6.98	482.38	-1.02
1.2 Dead+1.0 Wind 300	63.56	5.20	2.22			
deg+1.0 Ice+1.0 Temp	05.50	-5.39	-3.30	-261.44	409.37	0.92
1.2 Dead+1.0 Wind 330	63.56	2.10	5.46	441.05		
deg+1.0 Ice+1.0 Temp	05.50	-3.19	-5.46	-441.35	227.36	2.70
Dead+Wind 0 deg - Service	29.69	0.04	6.50			
Dead+Wind 30 deg - Service	29.69	-0.04	-6.59	-542.12	-8.24	4.10
Dead+Wind 60 deg - Service	29.69	3.09	-5.54	-460.12	-266.12	3.25
Dead+Wind 90 deg - Service		5.42	-3.18	-262.67	-459.42	2.57
Dead+Wind 120 deg - Service	29.69	6.37	0.04	6.21	-535.96	1.31
Dead+Wind 150 deg - Service	29.69	5.75	3.42	283.35	-478.86	-1.10
	29.69	3.20	5.63	467.81	-273.74	-3.54
Dead+Wind 180 deg - Service	29.69	0.04	6.31	528.16	-14.65	-4.05
Dead+Wind 210 deg - Service	29.69	-3.09	5.55	464.55	243.35	-3.26
Dead+Wind 240 deg - Service	29.69	-5.63	3.32	277.33	449.64	-2.61
Dead+Wind 270 deg - Service	29.69	-6.38	-0.06	-2.70	512.93	-1.29
Dead+Wind 300 deg - Service	29.69	-5.53	-3.29	-270.83	441.99	1.10
Dead+Wind 330 deg - Service	29.69	-3.19	-5.64	-4 64.14	250.37	3.57
1.2 Dead+1.0 Ev+1.0 Eh 0 deg	37.17	0.00	-1.72	-162.82	-13.93	0.01
0.9 Dead-1.0 Ev+1.0 Eh 0 deg	25.18	0.00	-1.72	-163.09	-10.42	0.01
1.2 Dead+1.0 Ev+1.0 Eh 30 deg	37.17	0.86	-1.49	-140.59	-96.91	0.01
0.9 Dead-1.0 Ev+1.0 Eh 30 deg	25.18	0.86	-1.49	-140.93	-93.12	0.01
1.2 Dead+1.0 Ev+1.0 Eh 60 deg	37.17	1.49	-0.86	-79.85	-157.66	0.00
0.9 Dead-1.0 Ev+1.0 Eh 60 deg	25.18	1.49	-0.86	-80.37	-153.70	0.00
.2 Dead+1.0 Ev+1.0 Eh 90 deg	37.17	1.72	0.00	3.15	-179.88	0.00
0.9 Dead-1.0 Ev+1.0 Eh 90 deg	25.18	1.72	0.00	2.36	-175.85	0.00
.2 Dead+1.0 Ev+1.0 Eh 120	37.17	1.49	0.86	86.11	-157.66	-0.00
leg						
0.9 Dead-1.0 Ev+1.0 Eh 120	25.18	1.49	0.86	85.07	-153.69	-0.00
leg						
.2 Dead+1.0 Ev+1.0 Eh 150	37.17	0.86	1.49	146.84	-96.92	-0.01
leg						0.02
0.9 Dead-1.0 Ev+1.0 Eh 150	25.18	0.86	1.49	145.62	-93.14	-0.01
leg					70121	0.01
.2 Dead+1.0 Ev+1.0 Eh 180	37.17	0.00	1.72	169.09	-13.94	-0.01
leg					2015	0.01
9.9 Dead-1.0 Ev+1.0 Eh 180	25.18	0.00	1.72	167.79	-10.42	-0.01
leg .				207.77	10.72	-0.01
.2 Dead+1.0 Ev+1.0 Eh 210	37.17	-0.86	1.49	146.84	69.05	-0.01
leg		0.00	1.17	140.04	07.03	-0.01
.9 Dead-1.0 Ev+1.0 Eh 210	25.18	-0.86	1.49	145.61	77.21	0.01
eg		0.00	1.77	145.01	7 2.31	-0.01
.2 Dead+1.0 Ev+1.0 Eh 240	37.17	-1.49	0.86	06 11	120.70	0.00
eg	27.17	-1.49	0.60	86.11	129.79	-0.00
.9 Dead-1.0 Ev+1.0 Eh 240	25.18	-1.49	0.86	95.07	120.06	
eg	25.10	-1.49	0.80	85.07	132.86	-0.00
.2 Dead+1.0 Ev+1.0 Eh 270	37.17	-1.72	0.00	2.14	150.01	
eg	37.17	-1.72	0.00	3.14	152.01	-0.00
.9 Dead-1.0 Ev+1.0 Eh 270	25.18	1.72	0.00	2.26	1 = = 0 =	
eg	43.10	-1.72	0.00	2.36	155.02	-0.00
.2 Dead+1.0 Ev+1.0 Eh 300	27 17	1.40	0.04			
eg	37.17	-1.49	-0.86	-79.85	129.79	0.00
.9 Dead-1.0 Ev+1.0 Eh 300	25.18	-1.49	-0.86	-80.37	132.86	0.00

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Load	Vertical	$Shear_x$	Shear _z	Overturning Moment, M.	Overturning Moment, M ₋	Torque
Combination	K K	K	K	kip-ft	kip-ft	kip-ft
1.2 Dead+1.0 Ev+1.0 Eh 330	37.17	-0.86	-1.49	-140.59	69.03	0.0
deg 0.9 Dead-1.0 Ev+1.0 Eh 330 deg	25.18	-0.86	-1.49	-140.93	72.29	0.01

Solution Summary

	Sun	n of Applied Forces	5		Sum of Reaction	s	n. =
Load	PX	PY	PZ	PX	PY	PZ	% Error
Comb.	K	K	K	K	K	K	2 22221
1	0.00	-29.69	0.00	0.00	29.69	0.00	0.000%
2	-0.14	-35.63	-23.41	0.14	35.63	23.41	0.000%
3	-0.14	-26.72	-23.41	0.14	26.72	23.41	0.000%
4	10.97	-35.63	-19.68	-10.97	35.63	19.68	0.000%
5	10.97	-26.72	-19.68	-10.97	26.72	19.68	0.000%
6	19.23	-35.63	-11.28	-19.23	35.63	11.28	0.000%
7	19.23	-26.72	-11.28	-19.23	26.72	11.28	0.000%
	22.63	-35.63	0.14	-22.63	35.63	-0.14	0.000%
8	22.63	-26.72	0.14	-22.63	26.72	-0.14	0.000%
9		-35.63	12.13	-20.40	35.63	-12.13	0.000%
10	20.40	-26.72	12.13	-20.40	26.72	-12.13	0.000%
11	20.40		19.98	-11.36	35.63	-19.98	0.000%
12	11.36	-35.63	19.98	-11.36	26.72	-19.98	0.000%
13	11.36	-26.72	22.39	-0.13	35.63	-22.39	0.000%
14	0.13	-35.63	22.39	-0.13	26.72	-22.39	0.000%
15	0.13	-26.72		10.97	35.63	-19.68	0.000%
16	-10.97	-35.63	19.68	10.97	26.72	-19.68	0.000%
17	-10.97	-26.72	19.68	19.97	35.63	-11.79	0.000%
18	-19.97	-35.63	11.79	19.97	26.72	-11.79	0.000%
19	-19.97	-26.72	11.79	19.97	35.63	0.21	0.000%
20	-22.64	-35.63	-0.21	22.64		0.21	0.000%
21	-22.64	-26.72	-0.21	22.64	26.72		0.000%
22	-19.61	-35.63	-11.68	19.61	35.63	11.68	0.000%
23	-19.61	-26.72	-11.68	19.61	26.72	11.68	
24	-11.32	-35.63	-20.01	11.32	35.63	20.01	0.000%
25	-11.32	-26.72	-20.01	11.32	26.72	20.01	0.000%
26	0.00	-63.56	0.00	0.00	63.56	0.00	0.000%
27	-0.22	-63.56	-6.36	0.22	63.56	6.36	0.000%
28	2.86	-63.56	-5.45	-2.86	63.56	5.45	0.000%
29	5.27	-63.56	-3.05	-5.27	63.56	3.05	0.000%
	6.19	-63.56	0.03	-6.19	63.56	-0.03	0.000%
30	5.45	-63.56	3.36	-5.45	63.56	-3.36	0.000%
31		-63.56	5.47	-3.03	63.56	-5.47	0.000%
32	3.03	-63.56	6.15	-0.02	63.56	-6.15	0.000%
33	0.02	-63.56	5.42	2.91	63.56	-5.42	0.000%
34	-2.91		3.18	5.46	63,56	-3.18	0.000%
35	-5.46	-63.56	-0.24	6.28	63.56	0.24	0.000%
36	-6.28	-63.56	-3.30	5.39	63.56	3.30	0.000%
37	-5.39	-63.56		3.19	63.56	5.46	0.000%
38	-3.19	-63.56	-5.46	0.04	29.69	6.59	0.000%
39	-0.04	-29.69	-6.59	-3.09	29.69	5.54	0.000%
40	3.09	-29.69	-5.54	-3.09 -5.42	29.69	3.18	0.000%
41	5.42	-29.69	-3.18		29.69	-0.04	0.000%
42	6.37	-29.69	0.04	-6.37	29.69	-3,42	0.000%
43	5.75	-29.69	3.42	-5.75		-5.63	0.000%
44	3.20	-29.69	5.63	-3.20	29.69		0.000%
45	0.04	-29.69	6.31	-0.04	29.69	-6.31	0.000%
46	-3.09	-29.69	5.55	3.09	29.69	-5.55	
47	-5.63	-29.69	3.32	5.63	29.69	-3.32	0.000%
48	-6.38	-29.69	-0.06	6.38	29.69	0.06	0.000%

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		m of Applied Forces	5		Sum of Reaction	S	
Load	PX	PY	PZ	PX	PY	PZ	% Error
Comb.	K	K	K	K	K	K	
49	-5.53	-29.69	-3.29	5.53	29.69	3.29	0.000%
50	-3.19	-29.69	-5.64	3.19	29.69	5.64	0.000%
51	0.00	-37.17	-1.72	0.00	37.17	1.72	0.000%
52	0.00	-25.18	-1.72	0.00	25.18	1.72	0.000%
53	0.86	-37.17	-1.49	-0.86	37.17	1.49	0.000%
54	0.86	-25.18	-1.49	-0.86	25.18	1.49	0.000%
55	1.49	-37.17	-0.86	-1.49	37.17	0.86	0.000%
56	1.49	-25.18	-0.86	-1.49	25.18	0.86	0.000%
57	1.72	-37.17	0.00	-1.72	37.17	0.00	0.000%
58	1.72	-25.18	0.00	-1.72	25.18	0.00	0.000%
59	1.49	-37.17	0.86	-1.49	37.17	-0.86	0.000%
60	1.49	-25.18	0.86	-1.49	25.18	-0.86	0.000%
61	0.86	-37.17	1.49	-0.86	37.17	-1.49	0.000%
62	0.86	-25.18	1.49	-0.86	25.18	-1.49	0.000%
63	0.00	-37.17	1.72	0.00	37.17	-1.72	0.000%
64	0.00	-25.18	1.72	0.00	25.18	-1.72	0.000%
65	-0.86	-37.17	1.49	0.86	37.17	-1.49	0.000%
66	-0.86	-25.18	1.49	0.86	25.18	-1.49	0.000%
67	-1.49	-37.17	0.86	1.49	37.17	-0.86	0.000%
68	-1.49	-25.18	0.86	1.49	25.18	-0.86	0.000%
69	-1.72	-37.17	0.00	1.72	37.17	0.00	0.000%
70	-1.72	-25.18	0.00	1.72	25.18	0.00	0.000%
71	-1.49	-37.17	-0.86	1.49	37.17	0.86	0.000%
72	-1.49	-25.18	-0.86	1.49	25.18	0.86	0.000%
73	-0.86	-37.17	-1.49	0.86	37.17	1.49	0.000%
74	-0.86	-25.18	-1.49	0.86	25.18	1.49	0.000%

Non-Linear Convergence Results

Load	Converged?	Number	Displacement	Force
Combination		of Cycles	Tolerance	Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00000544
3	Yes	4	0.00000001	0.00000576
4	Yes	4	0.00000001	0.00001015
5	Yes	4	0.00000001	0.00000918
6	Yes	4	0.00000001	0.00001230
7	Yes	4	0.00000001	0.00001067
8	Yes	4	0.00000001	0.00000979
9	Yes	4	0.00000001	0.00000882
10	Yes	4	0.00000001	0.00000544
11	Yes	4	0.00000001	0.00000577
12	Yes	4	0.00000001	0.00001003
13	Yes	4	0.00000001	0.00000904
14	Yes	4	0.00000001	0.00001255
15	Yes	4	0.00000001	0.00001094
16	Yes	4	0.00000001	0.00001042
17	Yes	4	0.00000001	0.00000939
18	Yes	4	0.00000001	0.00000506
19	Yes	4	0.00000001	0.00000535
20	Yes	4	0.00000001	0.00000962
21	Yes	4	0.00000001	0.00000870
22	Yes	4	0.00000001	0.00001244
23	Yes	4	0.00000001	0.00001090
24	Yes	4	0.00000001	0.00001050
25	Yes	4	0.00000001	0.00000870

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26	Yes	4	0.00000001	0.00000001
26	Yes	4	0.0000001	0.00001099
27	Yes	4	0.00000001	0.00001121
28	Yes	4	0.00000001	0.00001136
29	Yes	4	0.00000001	0.00001121
30	Yes	4	0.00000001	0.00001105
31	Yes	4	0.00000001	0.00001109
32	Yes Yes	4	0.00000001	0.00001113
33		4	0.00000001	0.00001089
34	Yes	4	0.00000001	0.00001061
35	Yes	4	0.0000001	0.00001069
36	Yes	4	0.0000001	0.00001091
37	Yes	4	0.0000001	0.00001093
38	Yes		0.0000001	0.00000001
39	Yes	4	0.0000001	0.00000001
40	Yes	4	0.0000001	0.00000001
41	Yes	4	0.0000001	0.00000001
42	Yes	4	0.0000001	0.00000001
43	Yes	4	0.0000001	0.00000001
44	Yes	4		0.00000001
45	Yes	4	10000000.0	0.00000001
46	Yes	4	0.00000001	0.0000001
47	Yes	4	0.00000001	0.0000001
48	Yes	4	0.00000001	
49	Yes	4	0.00000001	0.00000001
50	Yes	4	0.00000001	0.00000001 0.00000001
51	Yes	4	0.00000001	
52	Yes	4	0.00000001	0.00000001
53	Yes	4	0.00000001	0.00000001
54	Yes	4	0.0000001	0.00000001
55	Yes	4	0.0000001	0.00000001
56	Yes	4	0.0000001	0.00000001
57	Yes	4	0.0000001	0.00000001
58	Yes	4	0.00000001	0.00000001
59	Yes	4	0.00000001	0.00000001
60	Yes	4	0.00000001	0.00000001
61	Yes	4	0.00000001	0.00000001
62	Yes	4	0.00000001	0.00000001
63	Yes	4	0.00000001	0.00000001
64	Yes	4	0.00000001	0.00000001
65	Yes	4	0.0000001	0.00000001
66	Yes	4	0.0000001	0.00000001
67	Yes	4	0.0000001	0.00000001
68	Yes	4	0.00000001	0.00000001
69	Yes	4	0.00000001	0.00000001
70	Yes	4	0.00000001	0.00000001
70 71	Yes	4	0.00000001	0.00000001
72	Yes	4	0.00000001	0.00000001
73	Yes	4	0.00000001	0.00000001
73 74	Yes	4	0.00000001	0.00000001
/4	100			

Maximum Tower Deflections - Service Wind

Section	Elevation	Horz.	Gov.	Tilt	Twist
No.	f	Deflection in	Load Comb.	0	•
701	130 - 120	3.722	43	0,2384	0.0672
11	120 - 115	3.230	43	0.2362	0.0649
T2	115 - 110	2,986	43	0.2335	0.0599
T3 T4	110 - 105	2.742	43	0.2291	0.0579
14 T5	105 - 100	2.498	43	0.2226	0.0557

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Section	Elevation	Horz.	Gov.	Tilt	Twist
No.		Deflection	Load		
	ft	in	Comb.	0	۰
T6	100 - 80	2.264	43	0.2130	0.0533
T7	80 - 60	1.407	43	0.1723	0.0396
T8	60 - 40	0.762	43	0.1204	0.0249
T9	40 - 20	0.327	43	0.0744	0.0116
T10	20 - 0	0.085	43	0.0343	0.0051

Critical Deflections and Radius of Curvature - Service Wind

Elevation	Appurtenance	Gov. Load	Deflection	Tilt	Twist	Radius of
ft		Comb.	in	a	0	Curvature ft
130.00	Lightning Rod	43	3.722	0.2384	0.0672	183400
128.00	3"x12' Omni	43	3,623	0.2381	0.0674	183400
125.00	CCISeismic Tower Section 1	43	3.475	0.2376	0.0672	183400
124.00	CCISeismic (2) heliax-hj 7/8" From	43	3.426	0.2374	0.0670	153318
	9 to 128 (120ft to 128ft)		5.120	0.23/4	0.0070	133316
123.00	VHLP3-11W	43	3.377	0.2371	0.0667	133902
121.50	CCISeismic commscope	43	3.304	0.2367	0.0660	119291
	EW90(ELLIPTICAL) From 0 to 123			0.2507	0.0000	117291
	(120ft to123ft)					
118.00	Air 6449 B41 w/ Pipe Mount	43	3.132	0.2353	0.0628	117974
117.50	CCISeismic Tower Section 2	43	3.108	0.2350	0.0623	117206
116.50	CCISeismic miscl Safety Line 3/8	43	3.059	0.2345	0.0613	121633
	From 0 to 118 (115ft to 118ft)				***************************************	121000
112.50	CCISeismic Tower Section 3	43	2.865	0.2316	0.0587	174238
110.00	OPA65R-BU6DA w/ Mount Pipe	43	2.742	0.2291	0.0579	326896
107.50	CCISeismic Tower Section 4	43	2.620	0.2261	0.0569	46406
102.50	CCISeismic Tower Section 5	43	2.380	0.2181	0.0545	29394
96.00	MT6407-77A w/Mount Pipe	43	2.082	0.2051	0.0510	44858
90.00	CCISeismic Tower Section 6	43	1.816	0.1934	0.0310	29642
88.25	CCISeismic (8) (6) 1-5/8"; (2)	43	1.741	0.1899	0.0458	26959
	1-5/8" Hybrid From 9.5 to 96.5 (80ft		2., 11	0.1022	0.0456	20939
	to96.5ft)					
87.50	CCISeismic T-Brackets From 9.5	43	1.709	0.1884	0.0453	25952
	to 95 (80ft to 95ft)		11,00	0.1004	0.0455	23732
70.00	CCISeismic Tower Section 7	43	1.056	0.1470	0.0324	21104
57.00	PR-850	43	0.684	0.1129	0.0324	23807
55.00	1.9"Ø x 9.8' Pipe Mount	43	0.635	0.1080	0.0212	23942
51.00	PR-850	43	0.542	0.1080	0.0212	24192
50.00	CCISeismic Tower Section 8	43	0.520	0.0963	0.0185	24255
48.50	CCISeismic heliax-hj 7/8" From 9 to	43	0.488	0.0929	0.0176	24255 24351
	57 (40ft to 57ft)	45	0.400	0.0929	0.0100	24331
47.50	CCISeismic (2) heliax-hj 7/8" From	43	0.467	0.0907	0.0160	24415
	9.5 to 55 (40ft to 55ft)	7.2	0.407	0.0907	0.0100	24415
30.00	CCISeismic Tower Section 9	43	0.182	0.0536	0.0077	25200
14.75	CCISeismic (8) (6) 1-5/8"; (2)	43	0.052	0.0336	0.0077	25290
	1-5/8" Hybrid From 9.5 to 96.5	75	0.052	0.0247	0.0038	34828
	(9.5ft to20ft)					
14.50	CCISeismic heliax-hj 7/8" From 9 to	43	0.051	0.0244	0.0037	35429
	57 (9ft to20ft)	73	0.051	U,UZ TH	0.003/	33429
14.25	CCISeismic T-Brackets From 8.5	43	0.050	0.0240	0.0036	36050
	to 110 (8.5ft to20ft)	75	0.050	0.0240	0.00.0	0cooc
10.00	CCISeismic Tower Section 10	43	0.031	0.0167	0.0026	51372

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Maximum Tower Deflections - Design Wir	esign Wind	- Desig	Deflections	Tower	Maximum
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Section	Elevation	Horz.	Gov.	Tilt	Twist
No.	ft	Deflection in	Load Comb.	0	٥
T1	130 - 120	13.125	2	0.8380	0.2391
	120 - 115	11.366	2	0.8327	0.2306
T2	115 - 110	10.494	2	0.8247	0.2131
T3		9.627	2	0.8106	0.2059
T4	110 - 105 105 - 100	8.762	2	0.7869	0.1981
T5	100 - 80	7.940	10	0.7509	0.1894
T6		4.937	10	0.6041	0.1409
T7	80 - 60	2.676	10	0.4217	0.0885
T8	60 - 40	1.149	10	0.2605	0.0414
T9	40 - 20	0.300	10	0.1201	0.0181
T10	20 - 0	0.300	10	0	

Critical Deflections and Radius of Curvature - Design Wind

Elevation	Appurtenance	Gov.	Deflection	Tilt	Twist	Radius of Curvature
2.07.00.0	• • • • • • • • • • • • • • • • • • • •	Load	57	0		ft
ft		Comb.	in			56614
130.00	Lightning Rod	2 2	13.125	0.8380	0.2391	56614
128.00	3"x12' Omni	2	12.772	0.8375	0.2395	
125.00	CCISeismic Tower Section 1	2	12.244	0.8364	0.2390	56614
124.00	CCISeismic (2) heliax-hj 7/8" From	2	12.068	0.8359	0.2383	47343
124.00	9 to 128 (120ft to 128ft)					41.40.4
123.00	VHLP3-11W	2	11.892	0.8353	0.2371	41424
121.50	CCISeismic commscope	2	11.629	0.8342	0.2345	37114
121.50	EW90(ELLIPTICAL) From 0 to 123					
	(120ft to123ft)					400.44
118.00	Air 6449 B41 w/ Pipe Mount	2	11.016	0.8301	0.2234	42344
117.50	CCISeismic Tower Section 2	2 2	10.929	0.8294	0.2215	42081
117.50	CCISeismic miscl Safety Line 3/8	2	10.755	0.8277	0.2178	44067
110.50	From 0 to 118 (115ft to118ft)					*** *** ** ** ** ** ** *
112.50	CCISeismic Tower Section 3	2	10.061	0.8186	0.2086	52580
112.30	OPA65R-BU6DA w/ Mount Pipe	2	9.627	0.8106	0.2059	136615
107.50	CCISeismic Tower Section 4	2	9.192	0.8004	0.2023	13862
107.50	CCISeismic Tower Section 5	10	8.346	0.7697	0.1938	8562
	MT6407-77A w/Mount Pipe	10	7.301	0.7216	0.1814	12838
96.00	CCISeismic Tower Section 6	10	6.370	0.6793	0.1675	8430
90.00	CCISeismic (8) (6) 1-5/8"; (2)	10	6.107	0.6668	0.1630	7659
88.25	1-5/8" Hybrid From 9.5 to 96.5 (80ft					
	to96.5ft)					
07.50	CCISeismic T-Brackets From 9.5	10	5.995	0.6614	0.1611	7370
87.50	to 95 (80ft to 95ft)					
# 0.00	CCISeismic Tower Section 7	10	3.707	0.5146	0.1151	5961
70.00	PR-850	10	2.403	0.3954	0.0805	6780
57.00	1.9"Ø x 9.8' Pipe Mount	10	2.229	0.3783	0.0753	6820
55.00	PR-850	10	1.903	0.3454	0.0651	6895
51.00	CCISeismic Tower Section 8	10	1.826	0.3374	0.0627	6914
50.00	CCISEISMIC TOWER Section 6	10	1.713	0.3255	0.0591	6943
48.50	CCISeismic heliax-hj 7/8" From 9 to 57 (40ft to 57ft)	10	21,722			
	CCISeismic (2) heliax-hj 7/8" From	10	1.640	0.3176	0.0568	6962
47.50		10			6	
-	9.5 to 55 (40ft to 55ft)	10	0.641	0.1878	0.0276	7212
30.00	CCISeismic Tower Section 9	10	0.184	0.0871	0.0134	9934
14.75	CCISeismic (8) (6) 1-5/8"; (2)	10				
	1-5/8" Hybrid From 9.5 to 96.5					
	(9.5ft to20ft)	10	0.180	0.0855	0.0131	10105
14.50	CCISeismic heliax-hj 7/8" From 9 to	10	01200	•••		

FDH Infrastructure Services, LLC 6521 Meridien Drive

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Elevation	Appurtenance	Gov. Load	Deflection	Tilt	Twist	Radius of
fi		Comb.	in	0		Curvature fi
	57 (9ft to20ft)					
14.25	CCISeismic T-Brackets From 8.5 to 110 (8.5ft to 20ft)	10	0.175	0.0840	0.0129	10283
10.00	CCISeismic Tower Section 10	10	0.109	0.0584	0.0091	14653

Bolt	Des	ign	Data
------	-----	-----	------

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load Allowable	Allowable Ratio	Criteria
T1	130	Leg	A325N	0.6250	4	0.53	20.34	0.026	ī	Bolt Tension
		Diagonal	A325N	0.6250	1	1.59	12.49	0.127	i	Member Block Shear
		Top Girt	A325N	0.6250	1	0.15	13.81	0.011	1	Bolt Shear
T2	120	Diagonal	A325N	0.6250	1	2.26	7.88	0.287	1	Member Block Shear
		Top Girt	A325N	0.3750	1	0.57	4.97	0.116	1	Bolt Shear
T3	115	Diagonal	A325N	0.6250	1	2.90	7.88	0.369	1	Member Block Shear
T4	110	Diagonal	A325N	0.6250	1	4.25	7.88	0.540	1	Member Block Shear
T5	105	Leg	A325N	0.7500	4	5.79	30.10	0.192	1	Bolt Tension
		Diagonal	A325N	0.6250	1	4.51	7.88	0.573	1	Member Block Shear
		Secondary Horizontal	A325N	0.6250	1	0.60	10.66	0.057	1	Member Block Shear
T6	100	Leg	A325N	1.0000	4	17.74	54.52	0.325	1	Bolt Tension
		Diagonal	A325N	0.6250	1	7.15	8.63	0.829	1	Member Block Shear
T7	80	Leg	A325N	1.0000	4	26.33	54.52	0.483	1	Bolt Tension
		Diagonal	A325N	0.6250	1	4.75	8.63	0.550	1	Member Block Shear
		Top Girt	A325N	0.3750	1	2.12	4.97	0.426	1	Bolt Shear
T8	60	Leg	A325N	1.0000	6	22.00	54.52	0.404	1	Bolt Tension
		Diagonal	A325N	0.6250	1	4.67	8.63	0.541	1	Member Block Shear
T9	40	Leg	A325N	1.0000	6	25.36	54.52	0.465	1	Bolt Tension
		Diagonal	A325N	0.6250	1	6.33	13.81	0.459	1	Bolt Shear
		Secondary Horizontal	A325N	0.6250	1	3.63	5.76	0.631	1	Member Block Shear
T10	20	Diagonal	A325N	0.6250	1	5.93	13.81	0.430	1	Bolt Shear
		Secondary Horizontal	A325N	0.6250	1	3.92	5.76	0.681	1	Member Block Shear

Compression Checks

Leg Design Data (Compression)

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Section	Elevation	Size	L	$L_{\scriptscriptstyle \sf H}$	Kl/r	A	P_{μ}	ϕP_n	Ratio Pu
No.	fi		ft	ft		in ²	K	K	ϕP_n
T1	130 - 120	1 3/4	10.00	5.00	137.1 K=1.00	2.4053	-3.79	28.89	0.131
T2	120 - 115	1 3/4	5.00	4.50	123.4 K=1.00	2.4053	-8.59	35.67	0.241
Т3	115 - 110	1 3/4	5.00	5.00	137.1 K=1.00	2.4053	-13.17	28.89	0.456 1
T4	110 - 105	1 3/4	5.00	5.00	137.1 K=1.00	2.4053	-22.20	28.89	0.768 1
T5	105 - 100	1 3/4	5.00	2.50	68.6 K=1.00	2.4053	-31.79	76.75	0.414
Т6	100 - 80	2 1/2	20.00	5.00	96.0 K=1.00	4.9087	-84.86	112.60	0.754
T7	80 - 60	2 3/4	20.02	4.88	85.2 K=1.00	5.9396	-122.16	157.26	0.777
Т8	60 - 40	3	20.02	5.00	80.1	7.0686	-152.10	199.04	0.764
Т9	40 - 20	3 1/4	20.02	5.20	K=1.00 76.8	8.2958	-176.08	242.55	0.726
T10	20 - 0	3 1/2	20.02	5.17	K=1.00 70.9 K=1.00	9.6211	-201.37	299.63	0.672

 $^{^{1}}$ P_{u} / ϕP_{n} controls

Diagonal Design Data (Compression)

Section	Elevation	Size	L	L_u	Kl/r	A	P_{u}	ϕP_n	Ratio P_u
No.	ft		ft	ft		in²	K	K	ϕP_n
T1	130 - 120	L2x2x1/4	7.43	3.47	109.9 K=1.03	0.9380	-1.60	22.22	0.072
T2	120 - 115	L2x2x3/16	7.11	3.31	105.7 K=1.05	0.7150	-2.26	16.70	0.135
Т3	115 - 110	L2x2x3/16	7.43	3.47	109.3	0.7150	-2.95	16.07	0.183
T4	110 - 105	L2x2x3/16	7.43	3.47	K=1.03 109.3 K=1.03	0.7150	-4.22	16.07	0.263
T5	105 - 100	L2x2x3/16	7.43	3.47	109.3 K=1.03	0.7150	-4.56	16.07	0.284
T6	100 - 80	L2x2x3/16	7.43	3.41	107.9 K=1.04	0.7150	-7.34	16.32	0.450
T 7	80 - 60	L2x2x3/16	7.52	3.57	111.6 K=1.03	0.7150	-5.03	15.67	0.321
Т8	60 - 40	L2x2x3/16	9.70	4.65	141.5 K=1.00	0.7150	-4.71	10.21	0.461
Т9	40 - 20	L3x3x1/4	13.88	6.87	139.3	1.4400	-6.12	21.25	0.288
T10	20 - 0	L3x3x1/4	14.96	7.39	K=1.00 149.8 K=1.00	1.4400	-5.93	18.37	0.323

 $^{^{1}}$ P_{u} / ϕP_{n} controls

Secondary Horizontal Design Data (Compression)

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Section No.	Elevation	Size	L	L_u	Kl/r	A	P_{*}	ϕP_n	Ratio P _u
	ft		ft	ft		in ²	K	K	$\frac{P_u}{\phi P_n}$
T5	105 - 100	L2x2x1/4	5.50	2.55	99.2	0.9380	-0.60	26.76	0.023
T9	40 - 20	L2x2x1/8	9.61	4.50	K=1.27 135.9	0.4844	-3.63	7.50	0.484
T10	20 - 0	L2x2x1/8	11.11	5.24	K=1.00 158.3 K=1.00	0.4844	-3.92	5.53	0.709 1

 $^{^{1}}$ P_{u} / ϕP_{n} controls

Top Girt Design Data (Compression)

Section No.	Elevation	Size	L	L_{μ}	Kl/r	A	P_u	ϕP_n	Ratio P _u
	fi		ſŧ	ft		in ²	K	K	$\frac{-\frac{1}{4}}{\Phi P_n}$
T1	130 - 120	L2x2x1/4	5.50	5.06	155.4 K=1.00	0.9380	-0.15	11.12	0.013 1
T2	120 - 115	L2x2x1/8	5.50	5.06	152.8 K=1.00	0.4844	-0.57	5.94	-0.097 ¹
T7	80 - 60	L2x2x1/8	5.54	5.02	151.4 K=1.00	0.4844	-2.12	6.05	0.350 1

¹ P_u / ϕP_n controls

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation	Size	L	L_{u}	Kl/r	A	P_u	ϕP_n	Ratio Pu
	ft		ft	ft		in ²	K	K	$\frac{1}{\Phi P_n}$
T 1	130 - 120	1 3/4	10.00	5.00	137.1	2.4053	2.14	108,24	0.020
T2	120 - 115	1 3/4	5.00	4.50	123.4	2.4053	4.83	108.24	0.045 1
T3	115 - 110	1 3/4	5.00	5.00	137.1	2.4053	7.83	108.24	0.072 1
T4	110 - 105	1 3/4	5.00	5.00	137.1	2.4053	14.96	108.24	0.072
T5	105 - 100	1 3/4	5.00	2.50	68.6	2.4053	23.17	108.24	0.136
T6	100 - 80	2 1/2	20.00	5.00	96.0	4.9087	70.98	220.89	0.321 1
T7	80 - 60	2 3/4	20.02	4.88	85.2	5.9396	105.33	267.28	0.321
T8	60 - 40	3	20.02	5.00	80.1	7.0686	132.00	318.09	0.394
T9	40 - 20	3 1/4	20.02	4.81	71.0	8.2958	152.29	373.31	0.413
T10	20 - 0	3 1/2	20.02	4.84	66.3	9.6211	173.41	432.95	0.408

 $^{^{1}}P_{u}/\phi P_{u}$ controls

Diagonal Design Data (Tension)

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Section	Elevation	Size	L	L_u	Kl/r	A	P_{u}	ϕP_n	$Ratio$ P_u
No.	ft		ſŧ	ft		in^2	K	K	ϕP_n
		L2x2x1/4	7.43	3.47	71.3	0.5629	1.59	27.44	0.058 1
T1	130 - 120	L2x2x1/4 L2x2x3/16	7.11	3.31	67.3	0.4308	2.26	18.74	0.121^{-1}
T2	120 - 115	L2x2x3/16 L2x2x3/16	7.43	3.47	70.4	0.4308	2.90	18.74	0.155 1
T3	115 - 110	L2x2x3/16 L2x2x3/16	7.43	3.47	70.4	0.4308	4.25	18.74	0.227^{+}
T4	110 - 105	L2x2x3/16 L2x2x3/16	7.43	3.47	70.4	0.4308	4.51	18.74	0.241^{-1}
T5	105 - 100		7.43	3.41	69.5	0.4308	7.15	18.74	0.382
Т6	100 - 80	L2x2x3/16	7.52	3.57	72.7	0.4308	4.75	18.74	0.254
T7	80 - 60	L2x2x3/16	9.38	4.49	90.5	0.4308	4.67	18.74	0.249 1
T8	60 - 40	L2x2x3/16		6.63	87.4	0.9394	5.98	40.86	0.146 1
T9	40 - 20	L3x3x1/4	13.37		93.8	0.9394	5.74	40.86	0.140 1
T10	20 - 0	L3x3x1/4	14.41	7.12	73.8	0.7374	3./4	10.00	0.110

 $^{^{1}} P_{u} / \phi P_{u}$ controls

Secondary Horizontal Design Data (Tension)										
Section	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio P _u	
No.	ft		ft	ft		in ²	K	K	ϕP_n	
T5 T9 T10	105 - 100 40 - 20 20 - 0	L2x2x1/4 L2x2x1/8 L2x2x1/8	5.50 9.61 10.36	2.55 4.50 4.87	105.5 179.0 193.0	0.5629 0.2930 0.2930	0.60 3.63 3.92	27.44 12.74 12.74	0.022 ¹ 0.285 ¹ 0.308 ¹	

 $^{^{1}}$ P_{u} / ϕP_{n} controls

Top Girt Design Data (Tension)									
Section	Elevation	Size	L	L_{u}	Kl/r	A	P_u	φР"	Ratio P _u
No.	ft		ft	fi		in²	K	K	ϕP_n
T1 T2 T7	130 - 120 120 - 115 80 - 60	L2x2x1/4 L2x2x1/8 L2x2x1/8	5.50 5.50 5.54	5.06 5.06 5.02	105.5 102.6 101.7	0.5629 0.3164 0.3164	0.12 0.56 2.12	27.44 13.76 13.76	0.004 ¹ 0.041 ¹ 0.154 ¹

 $^{^{1}}P_{u}/\phi P_{u}$ controls

	Section Capacity Table							
Section	Elevation ft	Component Type	Size	Critical Element	P K	øP _{allow} K	% Capacity	Pass Fail
No.	130 - 120		1 3/4	3	-3.79	28.89	13.1	Pass
T1		Leg	1 3/4	21	-8.59	35.67	24.1	Pass
T2	120 - 115	Leg	1 3/4	33	-13.17	28.89	45.6	Pass
T3	115 - 110	Leg	1 3/4	42	-22.20	28.89	76.8	Pass
T4	110 - 105	Leg		51	-31.79	76.75	41.4	Pass
T5	105 - 100	Leg	1 3/4			112.60	75.4	Pass
T6	100 - 80	Leg	2 1/2	63	-84.86	_		
T7	80 - 60	Leg	2 3/4	90	-122.16	157.26	77.7	Pass

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Section	Elevation	Component	Size	Critical	P	øP _{allow}	%	Pass
No.	ft	Туре		Element	K	K	Capacity	Fail
T8	60 - 40	Leg	3	119	-152.10	199.04	76,4	Pass
T9	40 - 20	Leg	3 1/4	146	-176.08	242.55	72.6	Pass
T10	20 - 0	Leg	3 1/2	167	-201.37	299.63	67.2	Pass
T 1	130 - 120	Diagonal	L2x2x1/4	10	-1.60	22.22	7.2	Pass
T2	120 - 115	Diagonal	L2x2x3/16	28	-2.26	16.70	12.7 (b) 13.5	Pass
Т3	115 - 110	Diagonal	L2x2x3/16	36	-2.95	16.07	28.7 (b) 18.3	Pass
T4	110 - 105	Diagonal	L2x2x3/16	46	-4.22	16.07	36.9 (b) 26.3	Pass
T5	105 - 100	Diagonal	L2x2x3/16	55	-4.56	16.07	54.0 (b) 28.4	Pass
T6	100 - 80	Diagonal	L2x2x3/16	67	-7.34	16.32	57.3 (b) 45.0	Pass
T 7	80 - 60	Diagonal	L2x2x3/16	115	-5.03	15.67	82.9 (b) 32.1	Pass
T8	60 - 40	Diagonal	L2x2x3/16	124	-4.71	10.21	55.0 (b) 46.1	Pass
T9	40 - 20	Diagonal	L3x3x1/4	151	-6.12	21.25	54.1 (b) 28.8	Pass
T10	20 - 0	Diagonal	L3x3x1/4	172	-5.93	18.37	45.9 (b) 32.3	Pass
T5	105 - 100	Secondary Horizontal	L2x2x1/4	59	-0.60	26.76	43.0 (b) 2.3	Pass
T9	40 - 20	Secondary Horizontal	L2x2x1/8	154	-3.63	7.50	5.7 (b) 48.4	Pass
						, , , ,	63.1 (b)	1 1200
T10	20 - 0	Secondary Horizontal	L2x2x1/8	175	-3.92	5.53	70.9	Pass
T1	130 - 120	Top Girt	L2x2x1/4	4	-0.15	11.12	1.3	Pass
T2	120 - 115	Top Girt	L2x2x1/8	22	-0.57	5.94	9.7	Pass
T7	80 - 60	Top Girt	L2x2x1/8	92	-2.12	6.05	11.6 (b) 35.0 42.6 (b)	Pass
		3				Leg (T7)	Summary 77.7	Pass
						Diagonal (T6)	82.9	Pass
						Secondary Horizontal (T10)	70.9	Pass
						Top Girt (T7)	42.6	Pass
						Bolt Checks	82.9	Pass
						RATING =	82.9	Pass

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Self Support Anchor Rod Capacity

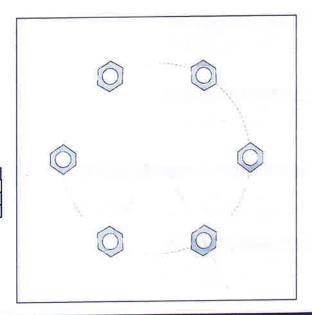
Site Info	
BU #	CT98078
Site Name	Wilton_Deer Run
Order#	THE WORLD

Analysis Considerations					
TIA-222 Revision	H				
Grout Considered:	No				
l _{ar} (in)					

Applied Loads	700	
	Comp.	Uplift
Axial Force (kips)	207.76	178.63
Shear Force (kips)	14.92	13.30

Considered Eccentricity	
Leg Mod Eccentricity (in)	0.000
Anchor Rod N.A Shift (in)	0.000
Total Eccentricity (in)	0.000

^{*}Anchor Rod Eccentricity Applied



Connection Properties	Analysis Results				
Anchor Rod Data	Anchor Rod Summary	(units of kips, kip-in)			
(6) 1" ø bolts (A449 N; Fy=92 ksi, Fu=120 ksi)	Pu_t = 29.77 φ	Pn_t = 54.54 Stress Rating			
l _{ar} (in): 1	Vu = 2.22 φ	Vn = 35.34 54.6 %			
/ar (#1). 1	Mu = n/a φ	Mn = n/a Pass			

Self Support Anchor Rod Capacity

Site Info					
BU#	CT98078				
Site Name	Wilton Deer Run				
Order#					

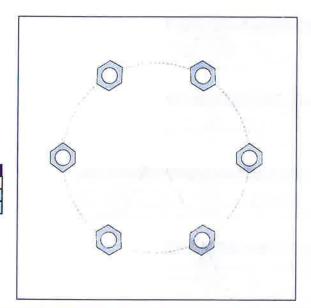
Analysis Considerations					
TIA-222 Revision	Howard				
Grout Considered:	No				
l _{ar} (in)	1				

Applied Loads						
	Comp.	Uplift				
Axial Force (kips)	45.63	13.52				
Shear Force (kips)	2.60	0.98				

^{*1.5} Overstrength Factor Applied

Considered Eccentricity	
Leg Mod Eccentricity (in)	0.000
Anchor Rod N.A Shift (in)	0.000
Total Eccentricity (in)	0.000

^{*}Anchor Rod Eccentricity Applied



Connection Properties	A	nalysis Results	
Anchor Rod Data	Anchor Rod Summary		(units of kips, kip-in)
(6) 1" ø bolts (A449 N; Fy=92 ksi, Fu=120 ksi)	Pu_c = 7.61	φPn_c = 65.03	Stress Rating
I _{ar} (in): 1	Vu = 0.43	φVn = 29.26	11.7%
	Mu ≃ n/a	φMn = n/a	Pass

Pier and Pad Foundation

BU # : Site Name: App. Number:

TIA-222 Revision: H
Tower Type: Self Support

Top & Bot. Pad Rein. Different?:	
Block Foundation?:	
Rectangular Pad?:	

Superstructure Analysis Re	actions	
Compression, P _{comp} :	207.76	kips
Compression Shear, Vu_comp:	14.92	kips
Uplift, Puplift:	178.63	kips
Uplift Shear, V _{u_uplin} -	13.3	kips
Tower Height, H:	130	ft
Base Face Width, BW :	11.5	ft
BP Dist, Above Fdn, bp _{dist} :	2	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, dpier :	3	ft
Ext. Above Grade, E:	0.5	ft
Pier Rebar Size, Sc :	8	
Pier Rebar Quantity, mc:	16	
Pier Tie/Spiral Size, St:	4	
Pier Tie/Spiral Quantity, mt:	10	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, ccpier:	3	in

Pad Properties		
Depth, D:	8.5	ft
Pad Width, W ₁ :	19	ft
Pad Thickness, T:	2	ft
Pad Rebar Size (Bottom dir. 2), Sp ₂ :	9	
Pad Rebar Quantity (Bottom dir. 2), mp2:	26	
Pad Clear Cover, ccond:	3	in

Material Properties		
Rebar Grade, Fy:	60	ksi
Concrete Compressive Strength, F'c:	3	ksi
Dry Concrete Density, &c:	150	pcf

Soil Properties		
Total Soil Unit Weight, γ:	120	pcf
Ultimate Net Bearing, Qnet:	12.000	ksf
Cohesion, Cu:	un filte	ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N _{blows} :	8	
Base Friction, μ:	0.5	
Neglected Depth, N:	3.33	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw:	N/A	ft

Found	ation Anal	ysis Check	S	
	Capacity	Demand	Rating	Check
Uplift (kips)	456.98	178.63	39.1%	Pass
Lateral (Sliding) (kips)	154.81	13.30	8.6%	Pass
Bearing Pressure (ksf)	9.77	1.88	19.2%	Pass
Pier Flexure (Comp.) (kip*ft)	857.25	104.44	12.2%	Pass
Pier Flexure (Tension) (kip*ft)	578.59	93.10	16.1%	Pass
Pier Compression (kip)	3374.26	216.67	6.4%	Pass
Pad Flexure (kip*ft)	2102.07	353.77	16.8%	Pass
Pad Shear - 1-way (kips)	361.68	70.65	19.5%	Pass
Pad Shear - 2-way (Comp) (ksi)	0.164	0.055	33.6%	Pass
Flexural 2-way (Comp) (kip*ft)	1977.73	62.66	3.2%	Pass
Pad Shear - 2-way (Uplift) (ksi)	0.164	0.056	34.4%	Pass
Flexural 2-way (Tension) (kip*ft)	1977.73	55.86	2.8%	Pass

Structural Rating:	34.4%
Soil Rating:	39.1%

<--Toggle between Gross and Net





Colliers Engineering & Design CT, P.C. 1055 Washington Boulevard Stamford, CT 06901 203.324.0800 peter.albano@collierseng.com

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10207141 Colliers Engineering & Design CT, P.C. Project #: 23777160

July 23, 2023

Site Information

Site ID:

5000382880-VZW / WILTON WEST CT

Site Name:

WILTON WEST CT Verizon Wireless

Carrier Name: Address:

160 Deer Run Road

Wilton, Connecticut 06897

Fairfield County

Latitude:

41.241372°

Longitude:

-73.469889°

Structure Information

Tower Type:

118-Ft Self Support

Mount Type:

10.50-Ft T-Frames

FUZE ID # 17123989

Analysis Results

T-Frames: 79.5% Pass*

*Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.

***Contractor PMI Requirements:

Included at the end of this MA report Available & Submitted via portal at https://pmi.vzwsmart.com For additional questions and support, please reach out to: pmisupport@colliersengineering.com

Report Prepared By: Cody Sherman

July 23, 2023 Site ID: 5000382880-VZW / WILTON WEST CT Page | 2

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS Site ID: 325159, dated September 24, 2021
Mount Mapping Report	Structural Components Site #: 16092793, dated April 20, 2021
Previous Mount Modification Report	GPD Group Project #: 2021740.467920.02, dated October 19, 2021
Final Loading Guidance	Filter Add Scope Provided by Verizon Wireless

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Todos dina otanidal do.	71101/117-222-11

2022 Connecticut State Building Code (CSBC), Effective October 1, 2022

Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), Vult:	120 mph
------------------	--	---------

Ice Wind Speed (3-sec. Gust):	50 mph
Design Ice Thickness:	1.00 in
Risk Category:	II
Exposure Category:	В
Topographic Category:	1
Topographic Feature Considered:	N/A
Topographic Method:	N/A

Ground Elevation Factor, Ke: 0.978

Seismic Parameters: Ss: 0.241 g S1: 0.057 g

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

Maintenance Load, Lv: 250 lbs.
Maintenance Load, Lm: 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)	ation Elevation Quantity Manufactur		Manufacturer	Model	Status
(ii)	(6	JMA Wireless	MX06FRO660-03	
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	Retained
96.00	98.00	3	Samsung	RF4440d-13A	
50.00	30.00	3	Amphenol Antel	BXA-80090/8	
		2	Raycap	RRFDC-3315-PF-48*	
		2	KAelus	KA-6030	Added

^{*} Equipment is flush mounted directly to the Self Support. They are not mounted on the T-frame mounts and are not included in this mount analysis.

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 unless replacing an existing OVP.

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

Standard Conditions:

- All engineering services are performed on the basis that the information provided to Colliers Engineering & Design CT, P.C. 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 Colliers Engineering & Design CT, P.C. to verify deviation will not adversely impact the analysis.
- 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.

- For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, 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.
- 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.

July 23, 2023 Site ID: 5000382880-VZW / WILTON WEST CT Page | 4

- 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. Colliers Engineering & Design CT, P.C. 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 0

ASTM A36 (Gr. 36)

0 HSS (Rectangular)

ASTM 500 (Gr. B-46)

Pipe 0

ASTM A53 (Gr. B-35)

Threaded Rod 0

F1554 (Gr. 36)

Bolts

ASTM A325

8. It is assumed that the mount modifications listed under Sources of Information 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 Colliers Engineering & Design CT, P.C.

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	32.0%	Pass
Face Horizontal	62.0%	Pass
Standoff Vertical Bracing	20.0%	Pass
Mount Pipe	46.0%	Pass
Tieback	5.0%	Pass
Mount Connection	79.5%	Pass

	The second secon
Structure Rating – (Controlling Utilization of all Components)	79.5%

BASELINE mount weight per SBA agreement: 1740.00 lbs

Increase in mount weight due to Verizon loading change per SBA agreement: No Change

The weights listed above include 3 sectors.

Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

	Mount Pipe	s Excluded	Mount Pipe	s Included	
Ice Thickness (In)	Front (EPA)a Side (EPA)a (Sq. Ft.)		Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	
0	20.8 20.2	20.2	40.0	39.4	
0.5	20.2		56.2	55.4	
1	36.5	37.5	72.0	71.0	

Notes:

- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 3 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

The existing mounts are SUFFICIENT for the final loading configuration shown in attachment 2 and do not require modifications. Additional requirements are noted below.

Contractor shall verify modifications detailed in the Proposed Mount Modification Design by GPD dated 10/19/2021 have been installed prior to installation of equipment. Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications.

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

Attachments:

- 1. Contractor Required Post Installation Inspection (PMI) Report Deliverables
- 2. Antenna Placement Diagrams
- 3. Mount Photos
- 4. Mount Mapping Report (for reference only)
- 5. Analysis Calculations

Mount Desktop - Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Passing Mount Analysis requires a PMI due to a modification in loading.

Electronic pdf version of this can be downloaded at https://pmi.vzwsmart.com.

For additional questions and support, please reach out to pmisupport@colliersengineering.com

MDG #: 5000382880

SMART Project #: 10207141

Fuze Project ID: 17123989

<u>Purpose</u> – to provide SMART Tool structural vendor the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

Base Requirements:

- If installation will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide "as built mount drawings" showing contractor's name, contact information, preparer's signature, and date. Any deviations from the drawings (Proposed modification) shall be shown.
 NOTE: If loading is different than what is conveyed in the passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped
- Photos should be high resolution.
- 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. If there is conflict, contact the SMART Tool
 engineer for recommendations.
- The PMI can be accessed at the following portal: https://pmi.vzwsmart.com

Photo Requirements:

- Photos taken at ground level
 - o Photo of Gate Signs showing the tower owner, site name, and number.
 - Overall tower structure after installation.
 - Photos of the mount after installation; if the mounts are at different rad elevations,
 pictures must be provided for all elevations that equipment was installed.
- Photos taken at Mount Elevation
 - Photos showing the safety climb wire rope above and below the mount prior to installation.
 - o Photos showing the climbing facility and safety climb if present.
 - Photos showing each individual sector after installation. Each entire sector shall be in one photo to show the interconnection of members.

- These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- o Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

•	The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.
	\Box The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.
	OR
	☐ The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.
Cnaci	al Instructions / Validation as required from the MA or any other information the contractor
Speci	s necessary to share that was identified:
aeem	s necessary to share that was identified.
10/1	ractor shall verify modifications detailed in the Proposed Mount Modification Design by GPD dated 9/2021 have been installed prior to installation of equipment. Escalate any discrepancies to EOR ediately as it may render the results of this analysis invalid and require additional modifications.
Respi	JIISE.
Speci	al Instruction Confirmation:
	\square The contractor has read and acknowledges the above special instructions.
	\square All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.
	☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.

☐ The materia approval is inc	al utilized was approve luded as part of the co	d by a SMART Tool engineering vendor as an "equivalent" and this ntractor submission.
Comments:		
Contractor certifies t	that the climbing fac	ility / safety climb was not damaged prior to starting work:
□Yes	□No	
Contractor certifies r	no new damage crea	ted during the current installation:
□ Yes	□No	
Contractor to certify	the condition of the	safety climb and verify no damage when leaving the site:
☐ Safety Clim	b in Good Condition	☐ Safety Climb Damaged
Certifying Individual:		
Compa Employee Nan Contact Pho Em Da	ne:	

Sector:

Mount Elev:

96.00

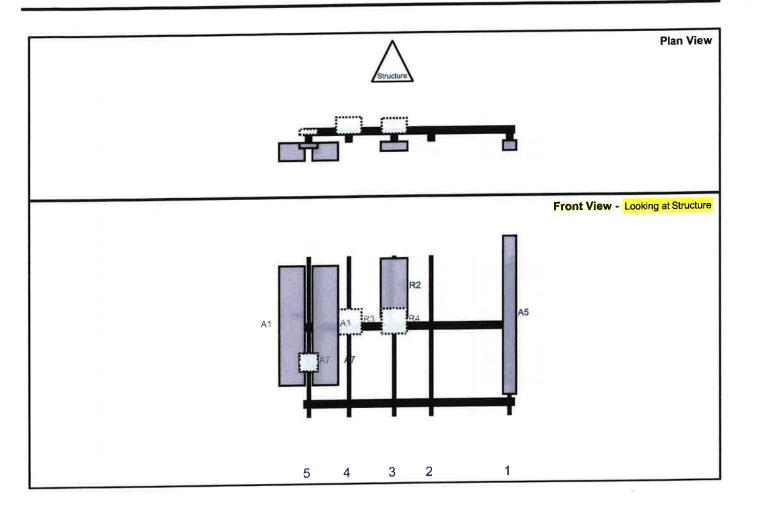
Structure Type: Self Support

10207141

7/22/2023



Page: 1



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	BXA-80090/8	94.6	8	122.75	1	а	Front	36	0	Retained	04/20/2021
R2	MT6407-77A	35.1	16.1	54.25	3	а	Front	19.02	0	Retained	
R4	RF4440d-13A	15	15	54.25	3	а	Behind	39	0	Retained	
R3	RF4439d-25A	15	15	27.25	4	а	Behind	39	0	Retained	
A1	MX06FRO660-03	71.3	15.4	3.25	5	а	Front	41.04	10	Retained	
A1	MX06FRO660-03	71.3	15.4	3.25	5	b	Front	41.04	-10	Retained	
A7	KA-6030	10.6	10.9	3.25	5	а	Front	63	0	Added	
A7	KA-6030	10.6	10.9	3.25	5	b	Behind	63	0	Added	

Structure: 5000382880-VZW - WILTON WEST CT

Sector:

Structure Type: Self Support

7/22/2023

Page: 2

Colliers Engineering & Design

Mount Elev:

96.00

10207141

Plan View Front View - Looking at Structure A5

		Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
Ref#.	Model	(in)	(in)	Fm L.	#	Pos V	Pos	Frm Ta	H Off	Status	Validation
A5	BXA-80090/8	94.6	8	122.75	1	а	Front	36	0	Retained	04/20/2021
R2	MT6407-77A	35.1	16.1	54.25	3	а	Front	19.02	0	Retained	
R4	RF4440d-13A	15	15	54.25	3	а	Behind	39	0	Retained	
R3	RF4439d-25A	15	15	27.25	4	а	Behind	39	0	Retained	1 33
A1	MX06FRO660-03	71.3	15.4	3.25	5	а	Front	41.04	10	Retained	
A1	MX06FRO660-03	71.3	15.4	3.25	5	b	Front	41.04	-10	Retained	10.

5

4

3

2

Sector:

10207141

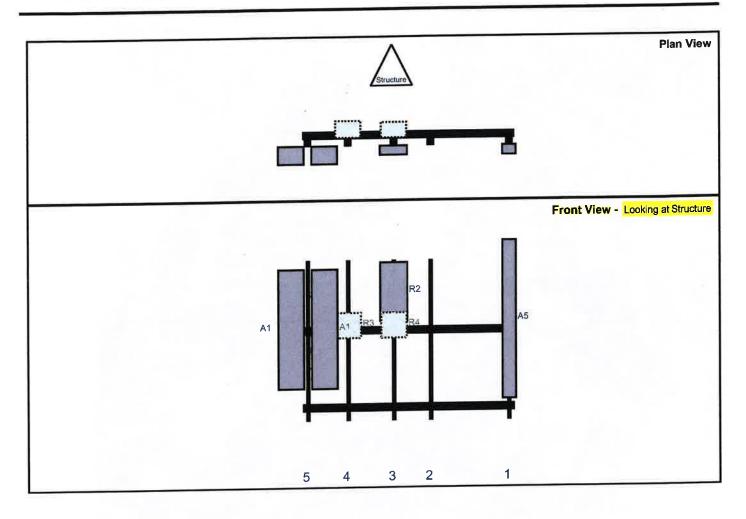
7/22/2023

Colliers Engineering & Design

96.00 Mount Elev:

Structure Type: Self Support

Page: 3



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	BXA-80090/8	94.6	8	122.75	1	а	Front	36	0	Retained	04/20/2021
R2	MT6407-77A	35.1	16.1	54.25	3	а	Front	19.02	0	Retained	
R4	RF4440d-13A	15	15	54.25	3	а	Behind	39	0	Retained	
R3	RF4439d-25A	15	15	27.25	4	а	Behind	39	0	Retained	
A1	MX06FRO660-03	71.3	15.4	3.25	5	а	Front	41.04	10	Retained	
A1	MX06FRO660-03	71.3	15.4	3.25	5	b	Front	41.04	-10	Retained	



V4 0 Updated on 3-31-2021



Ser and the	Antenna Mount Mapping	Form (PATENT PENDING)	FCC #
	ISBA	Mapping Date:	4/20/2021
Tower Owner:	Wilton West CT	Tower Type:	Self Support
Site Name:	1	Tower Height (Ft.):	100
Site Number or ID: Mapping Contractor:	16092793 Structural Components	Mount Elevation (FL):	92

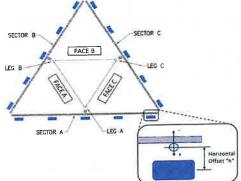
Mapping Contractor. | Structural Components | Mount Elevation (FL): 92

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 and difficultion 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 & 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warrantying the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

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

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension	Horizontal Offset "C1, C2, C3, etc."	Sector / Pasition	eometries [Unit = Inches] Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2-3/8x .15x 72	66.00	3.25	C1	2-3/8x .15x 72	64.75	3.50
A2	2-3/8x .15x 72	61.75	49.75	(2	2-3/8x .15x 72	61.50	50.00
A3	2-3/8x .15x 72	66.88	71.75	C3	2-3/8x .15x 72	66.00	71.00
A4	2-3/8x .15x 72	61.50	98.75	C4	2-3/8x .15x 72	61.75	97.00
A5	2-3/8x .15x 72	66.00	126.25	C5	2-3/8x .15x 72	62.50	124.50
A6	2-3/04:23-72			C6			
81	2-3/8x .15x 72	65,25	4.25	D1			
B2	2-3/8x .15x 72	62.25	48.25	D2			
B3	2-3/8x .15x 72	65.00	71.50	D3			
B4	2-3/8x .15x 72	62.00	97.75	D4			
B5	2-3/8x .15x 72	65.50	124.75	D5			
86	1007			D6			
.00	Distance between bottom ra	all and mout	nt CL elevati	on (dim d). Unit is inches. See 'Mount Elev Ref' tal	for details. :	23.00
_	Distance between bottom	ton of botto	m support r	all to low	est tip of ant./eqpt. of Carrier above. (N/	Alf > 10 ft.) :	48
	Distance from	top or botto	iii support i	it to blab	est tip of ant./eqpt. of Carrier below. (N/	A if > 10 ft.)	
	Distance from t	op of bottor	n support ra	iii to nign	est up di anczeque. Oi carrier below. (19	Petro Lectory	
		Please ent	er additiona	il infomat	ion or comments below.		

		2.625
Tower Face Width at Mount Elev. (ft.):	Tower Leg Size or Pole Shaft Dlameter at Mount Elev. (in.):	2,525
TONET THEE STIGHT OF THE STIFF	e weld size from the main standoff to the plate bolting into the collar mount.	



祖	Antie I A	Landar 1	Ants I	Anta A	- I Antse
F18	Antis &	Anta 🕺	Antas #	Ante g	Antse
1	출 -			-	!!
		11 -		1 _	-II
<u>Ç1</u>	Antie C2	Anta:	Anta	Ant1e	Antse
		C3 C4			

	Enter antenn	a model	If not labe	led, enter '	'Unknown'		Mountin [Units are inch			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center- line (FL)	Vertical Distances"b _{1a} , b _{2a} , b _{1a} , b _{1b} ." (Inches)	Horiz. Offset "h" (Use "-" If Ant, is behind)	Antenna Azimuth (Degrees)	Photo Number
					Sector A					
Antia										450.45
Ant _{1b}	bxa-80090-8cf-edin	8.25	6.00	96.00	1-5/8"1	92.4375	37.75	10.83	335.00	152, 15
Ant _{1c}										-
Ant _{2a}					_				225.00	168-17
Ant _{2b}	b66a rrh 4x45	12.00	7.00	25.50	jumpers	94.5417	8.25	-6.50	335.00	100-17
Ant _{2c}										_
Ant ₃ ,								0.00	335.00	184,18
Antab	sbnhh-1d85b	12.00	7.50	73.00	jumpers	93.9896	20.00	9.25	335.00	104,10
Ant _{3c}										
Ant _{4a}					-	02.425	35.00	-7.00	335.00	194,20
Ant _{4b}	b13 rrh 4x30	12.00	7.50	20.50	Jumpers	93.125	25.00	-7.00	333.00	154,20
Ant _{4c}					_					
Antsa		-			-	94.0417	18.50	8.75	335.00	216,18
Ant _{Sb}	sbnhh-1d85b	12.00	7.50	73.00	Jumpers	94.0417	10.30	0.73	333.00	
Ant _{5c}				-		_				
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree)	Tower Leg Azimuth (Degre			OFFICE OF	Zabra	-	Sector					
for Each Sector	for Each Sector	Ant _{1a}										
Sector A: 335.00 Deg Leg A: Sector B: 95.00 Deg Leg B:		eg Ant _{1b}	bxa-80090-8cf-edin	8.25	6.00	96.00) 1-5/8"	92.4375	37.00	10.75	95.00	224,15
Sector C: 220.00 Deg Leg C:		eg Ant _{1c}				12,000	100					10.00
Sector D: Deg Leg D:		eg Ant _{2b}	b66a rrh 4x45	12.00	7.00	25.50	jumpers	94.5417	8.75	-6.00	95.00	227.47
	lity Information	Ant _{2c}	300 1111 4743	12.00	7.00	25.30	Jumpers	34.3417	6.73	-0.00	95.00	237,170
Location: 130.00 Deg	Sector B	Ant _{3a}	(SI)				-			-		-
Climbing Corrosion Type:	Moderate corrosion observed.	Ant _{3b}	sbnhh-1d85b	12.00	7.50	73.00	Jumpers	94.0417	17.50	8.75	95.00	240,186
Facility Access:	Climbing path was obstructed.	Antze				200						
Condition:	Good condition.	Ant _{4a}		2)11		Dunk						
		Ant _{ab}	b13 rrh 4x30	12.00	7.50	20.50	jumpers	93.1875	24.75	-6.50	95.00	255,202
		Antac										
		Ant _{Sa}	sbnhh-1d85b	12.00	7.50	77.00		04.0077	47.75			
		Antsc	Souriti-Triggo	12.00	7.50	73.00	jumpers	94.0833	17.50	8.75	95.00	258,18
		Ant on				-						-
		Standoff			-							
		Ant on Standoff					10.					
Please insert a photo of the mou	nt centerline measurement here	Anton		7	TUE ST						-	_
photo of the mou	concernic incastrement here	Tower Ant on		-		-	3.			-		
		Tower										
							Sector C		B OF THE	-		-
		Ant								17		
		Ant _{1b}	bxa-80090-8cf-edin	8.28	6.00	96.00	1) 1-5/8" 1	92.375	37.25	11.50	220.00	267,154
		Ant _{le}				_			-			
		Ant _{2a}	b66a rrh 4x45	12.00	7.00	25.50	475	94.5208	0.25	6.50	200 00	
		Ant _{2c}	0008 1111 4343	12,00	7.00	25.50	jumpers	94.5208	8,25	-6.50	220.00	267,170
ti ti		Ant _{3a}			100					-		_
A AIIIIIA	F.	Ant _{3b}	sbnhh-1d85b	12.00	7.50	73.00	jumpers	93.9792	19.25	9.25	220.00	268,186
	11	Ant _{3c}		-							- 15	
1 		Ant _{4a}								150		
7 7 7 1 1 1 1	The sales and th	Ant _{4h}	b13 rrh 4x30	12.00	7.50	20.50	jumpers	93.0833	25.75	0.75	220.00	268,202
	A PRACTE PROM TEP OF	Ant _{4c}		-	-			-		-		
4	Agricust Prior for cr. Published Wilelen to the or Annual Prior County (9/74 of 5 to 17)	Ants	sbnhh-1d85b	12.00	7.50	73.00	jumpers	94	15.50	8.75	220.00	250 420
		Ants	SUMMY LUCSO	12.00	7.30	73.00	Jumpers	34	13.30	6.75	220.00	268,186
THE COLUMN	ASTROCE PREMITOR OF PARTIES WERE TO CAPE OF ANY (DOT) OF CAPE (DVA H > 10 FT)	Ant on	Territoria del		aleur)	THE STATE	113		THE PERSON NAMED IN			-
1 5 1 1 0	The fit Harrison	Standoff Ant on								100		100
		Standoff			SLL E				1	3		
		Ant on		BFOX.5		5-00	# 73 P. Y					
		Ant on				4		-8-3		-	_	
	Ψ.	Tower		3								
CO CO CO						Day III	Sector D					
		Antıa			MA - 3						-	
		Ant _{1b}		heads.						-	-20	
	J st w college	Ant _{2a}		-	2-25					-	1000	-
		Ant _{2b}										
	INSTANCE FROM TOP OF	Ant _{2e}				ALTER	2			121	539	
	(M/4 F > 10 FT)	Ant ₃										
		Ant _{3b}										_ 2
THE LANGE	~\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-	Ant _{3c}			-		20					172
STING SECTOR FRANCE MOUNT	DESTANCE FROM TOO GE SOUTHAND ROLL TO MECH ANY JEEPT CE CLARGE (N/A C > 10 FT)	ST IP G										
2 2 7	as or express	Ant _{4b}		-	_	-				-	_	-
		Antsa				7 00	-			-		
		Ant _{5b}									T-777-5	
		Ant _{Sc}										199.7
	-	Ant on										
or T-Arms/Platforms on monopoles, recor	d the weld size from the main stand	Standoff doff Ant on		-						-		-
nember to the plate bolting into the collar	. See below for reference	Standoff										
1		Ant on										
	1	Tower Ant on								-		-
		AUIT OIL 1										

TANGER TO PLAYE BOUTING

	Observed Safety and Structural Issues During the Mount Mapping	District
	Observed Safety and Structural Issues During the Mount Mapping Description of Issue	Photo (
Issue #		
1		THE RESERVE OF THE PARTY OF THE
2		
3		
4		
5	THE SHAPE OF THE STATE OF THE S	
6		
7		
8		

		Observed Obstructions to Tower Lighting System	T of the
		light nested by the antennas), please provide photos and fill in the information below.	Photo f
e tower lighting system is being obstructed by the car	ner's equipment (for example, a	ngin (nested b) the amount of the	
Description of Obstruction:			
Type of Light:	Photo#	Additional Comments:	
Ughting Technology:	Photo #		
levation (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.
- Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.
 Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.
- Please measure and report the size and length of all existing antenna mounting pipes.
 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.

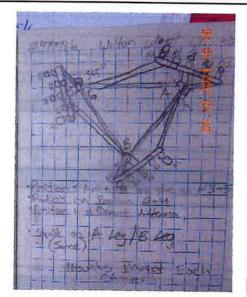
W.O. Historied on 3.24, 263



	Antenna Mount Mapping	Form (PATENT PENDING)	V4.0. Upstated on 3-31-2021 FCC #
Tower Owner:	SBA	Mapping Date:	4/20/2021
Site Name:	Wilton West CT	Tower Type:	Self Support
Site Number or ID:	16092793	Tower Height (FL):	100
Mapping Contractor:	Structural Components	Mount Elevation (Ft.):	92

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

Please Insert Sketches of the Antenna Mount











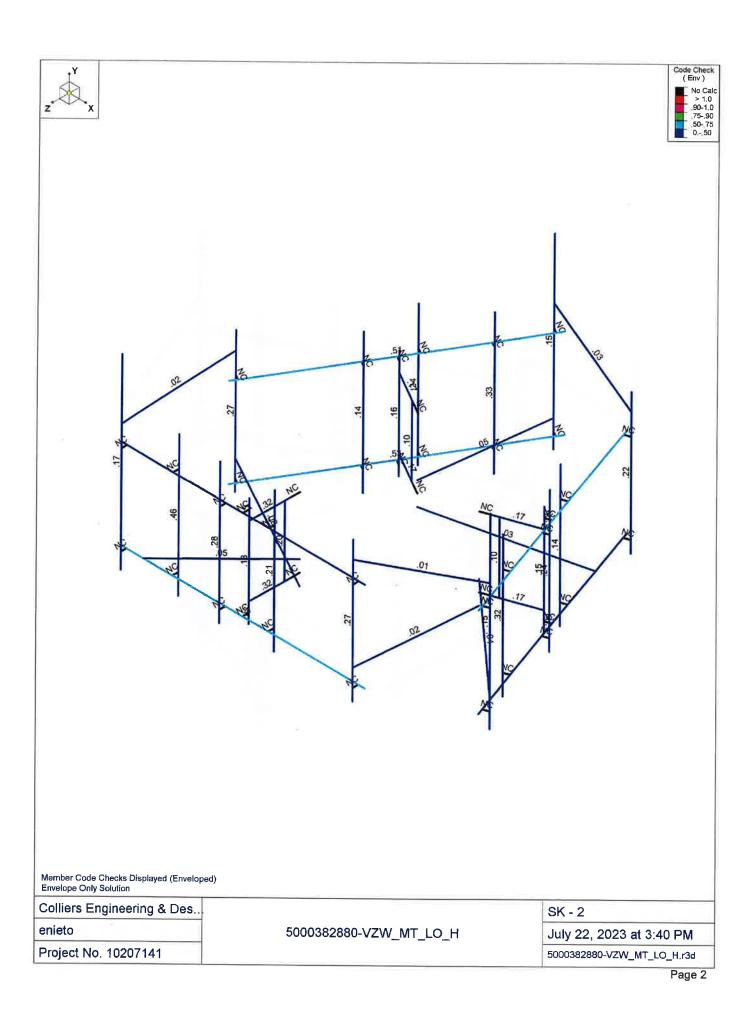
Envelope Only Solution

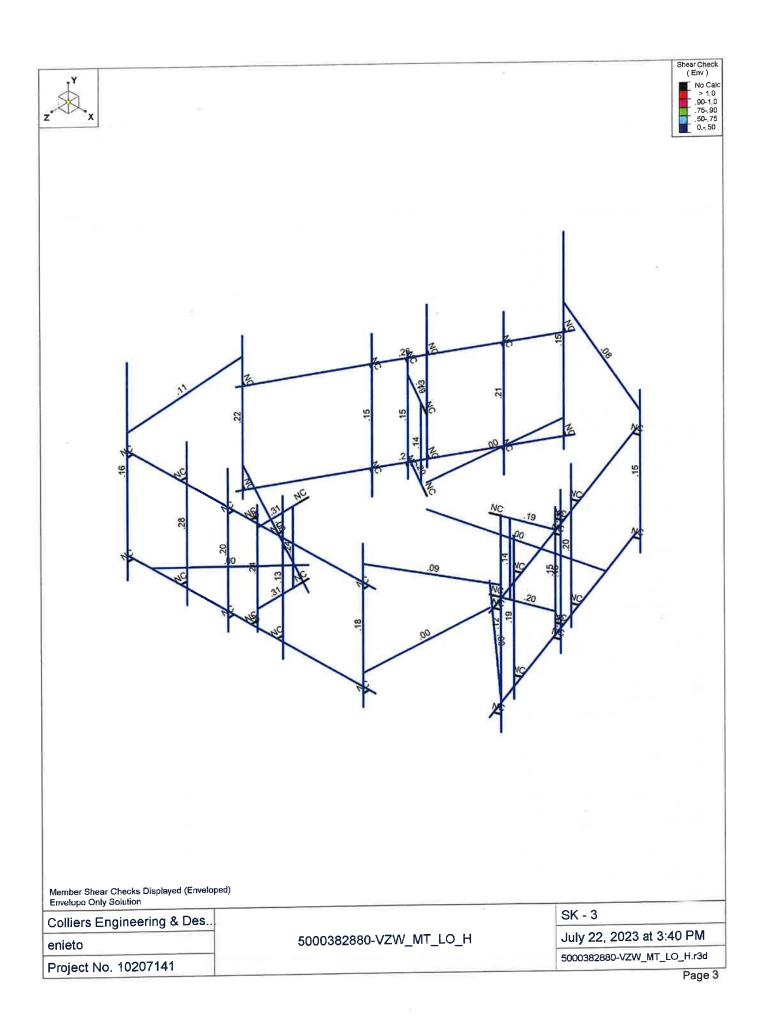
Colliers Engineering & Des.. enieto Project No. 10207141

5000382880-VZW_MT_LO_H

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July 22, 2023 4:07 PM Checked By:_

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me	Surface(P.
1	Antenna D	None			× j		114		
2	Antenna Di	None					114		
3	Antenna Wo (0 Deg)	None					114		
4	Antenna Wo (30 Deg)	None					114		
5	Antenna Wo (60 Deg)	None					114		
6	Antenna Wo (90 Deg)	None					114		
7	Antenna Wo (120 Deg)	None					114		
8	Antenna Wo (150 Deg)	None					114		
9	Antenna Wo (180 Deg)	None					114		
10	Antenna Wo (210 Deg)	None			(114		
11	Antenna Wo (240 Deg)	None					114		
12	Antenna Wo (270 Deg)	None					114		
13	Antenna Wo (300 Deg)	None					114		
14	Antenna Wo (330 Deg)	None					114		
15	Antenna Wi (0 Deg)	None					114		
16	Antenna Wi (30 Deg)	None					114		
17	Antenna Wi (60 Deg)	None					114		
18	Antenna Wi (90 Deg)	None					114		
19	Antenna Wi (120 Deg)	None					114		
20	Antenna Wi (150 Deg)	None					114		
21	Antenna Wi (180 Deg)	None					114		
22	Antenna Wi (210 Deg)	None					114		
23	Antenna Wi (240 Deg)	None					114		
24	Antenna Wi (270 Deg)	None				P 65 1	114		
25	Antenna Wi (300 Deg)	None					114	T	
26	Antenna Wi (330 Deg)	None					114		
27	Antenna Wm (0 Deg)	None					114		
28	Antenna Wm (30 Deg)	None					114		
29	Antenna Wm (60 Deg)	None					114		
30	Antenna Wm (90 Deg)	None					114		
31	Antenna Wm (120 Deg)	None					114		
32	Antenna Wm (150 Deg)	None		74.			114		-
33	Antenna Wm (180 Deg)	None					114		
34	Antenna Wm (210 Deg)	None					114		
35	Antenna Wm (240 Deg)	None					114		
36	Antenna Wm (270 Deg)	None					114		
	Antenna Wm (300 Deg)	None					114		
38	Antenna Wm (330 Deg)	None					114		
39	Structure D	None	1	-1					
40	Structure Di	None						42	
41	Structure Wo (0 Deg)	None						84	
	Structure Wo (30 Deg)	None	1					84	
	Structure Wo (60 Deg)	None							
	Structure Wo (90 Deg)	None						84	
	Structure Wo (120 D	None						84	
	Structure Wo (150 D	None	+					84	
	Structure Wo (180 D	None						84	
	Structure Wo (210 D	None	-					84	
	Structure Wo (240 D	None						84	
	Structure Wo (270 D	None	+					84	
	Structure Wo (300 D	None						84	
	Structure Wo (330 D							84	
53	Structure Wi (0 Deg)	None None						84 84	



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Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me	Surface(P
54	Structure Wi (30 Deg)	None		THE COLE				84	
55	Structure Wi (60 Deg)	None						84	
56	Structure Wi (90 Deg)	None						84	
57	Structure Wi (120 De	None						84	
58	Structure Wi (150 De	None						84	
59	Structure Wi (180 De	None						84	
60	Structure Wi (210 De	None						84	
61	Structure Wi (240 De	None						84	
62	Structure Wi (270 De	None						84	
63	Structure Wi (300 De	None						84	1
64	Structure Wi (330 De	None	A STATE OF					84	-
65	Structure Wm (0 Deg)	None						84	
66	Structure Wm (30 De	None						84	
67	Structure Wm (60 De	None						84	
68	Structure Wm (90 De	None						84	
69	Structure Wm (120 D	None						84	-
70	Structure Wm (150 D	None						84	
71	Structure Wm (180 D	None						84	
72	Structure Wm (210 D	None						84	
73	Structure Wm (240 D	None						84	
74	Structure Wm (270 D	None						84	
75	Structure Wm (300 D	None						84	
76	Structure Wm (330 D	None						84	
77	Lm1	None					1		
78	Lm2	None					1		-
79	Lv1	None					11		
80	Lv2	None		- X			1_		
81	Antenna Ev	None					114		
82	Antenna Eh (0 Deg)	None	التوازانين والمستوارا				76		
83	Antenna Eh (90 Deg)	None					76		
84	Structure Ev	ELY		051					
85	Structure Eh (0 Deg)	ELZ	- 1000	10001101	129				
86	Structure Eh (90 Deg)	ELX	.129						

Load Combinations

	Description	Sol	PDe.	.s	BLC	CFa	BLC	Fa	BLC	Fa	BLC	Fa	BLC	Fa	BLC	Fa	BLC	Fa	BLC	Fa	BLC	Fa	BLC	Fa.
1	1.2D+1.0Wo (0 Deg)				1	1.2		1.2	3	1	41	1			-			_	-	-				\vdash
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	-		1	42	1		_					-	-	1-		+	+-
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2		1.2		_1_	43	_ 1_	-			_			+-		-		+-	-
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2				_1	44	1	-	-		_	-	-	+	-	+		+	+-
5	1.2D+1.0Wo (120 Deg)				1		39			1	45	-	+				-	-	+	-			-	\vdash
6	1.2D+1.0Wo (150 Deg)				1	1.2				_1	46	1	-					-	1 -	-	1		-	\vdash
7	1.2D+1.0Wo (180 Deg)				1		39			_1_	47	1			200	-	0	-	+-	10.00	100	-	-	1070
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1		39			1	48	1					-		+			-	-	+
9	1.2D+1.0Wo (240 Deg)				1		39			_1_	49	1								-	-	-		+
10	1.2D+1.0Wo (270 Deg)				1		39			1	50	1		-				-	1	-	1	-		1
11	1.2D+1.0Wo (300 Deg)				1	market and the last of the las	39			_1_	51	1	-		-	-	-	1000	100			-	-	-
12	1.2D+1.0Wo (330 Deg)				1	1.2				1	52	1	4.5	-	50	4	-	-	+	-	+	-		-
13	1.2D + 1.0Di + 1.0Wi (1		39			1	40	1	15	1	53	4	-		-	-				t
14	1.2D + 1.0Di + 1.0Wi (1	_	39		-	1.	40	1	16	1	54	1			+					1
15	1.2D + 1.0Di + 1.0Wi (1	1	39	11000		1	40	4	17	4	55	1				-				\top
16	1.2D + 1.0Di + 1.0Wi (1		39	-	-	1	40	1	18	1	56 57	1	-	-			+	-	1	1
17	1.2D + 1.0Di + 1.0Wi (-	1	-	39	-		1	40	-	19	1	58	4			-				-	1
18	1.2D + 1.0Di + 1.0Wi (1		39		_	1	40	1	20	1	59	1		-	-	+-	1		1	+
19	1.2D + 1.0Di + 1.0Wi (Yes	Y		1	1.2	39	1.2	2	1	40	1	121	<u> </u>	159				1		-		-	



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Project No. 10207141 5000382880-VZW_MT_LO_H

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Load Combinations (Continued)

	Description Out					70-01	2020	1207	overco.	0.2505		Age Son City	V1267	one of	100	7.38 G	-	0.028V.DE	- 150	7000 Z	19.55	158 4	
20	Description Sol 1.2D + 1.0Di + 1.0Wi (Ye	PDe	S t	3LC	Fa	BLC	CFa	BLO	CFa	BLC	Fa	. BLC	Fa			BLC	Fa	.BLC	Fa	BLC	Fa	BLC	:Fa
	1.2D + 1.0Di + 1.0Wi (.476	SY					1.2				1	_	1		1	-	-	-		-			
21		S Y	-				1.2				_		1		1			-					
22	1.2D + 1.0Di + 1.0Wi (Ye	s Y		1	1.2	39	1.2	2	1	_		24		62	1	2							
	1.2D + 1.0Di + 1.0Wi (Ye	s Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24		s Y					1.2					26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0 Yes	s Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0 Yes	s Y					1.2					66	1										
27	1.2D + 1.5Lm1 + 1.0 Yes	s Y		1			1.2					67											
28	1.2D + 1.5Lm1 + 1.0 Yes	SY		1			1.2						1							-			
29	1.2D + 1.5Lm1 + 1.0 Yes	s Y	_	1			1.2					69		-				+	-				_
	1.2D + 1.5Lm1 + 1.0 Yes				12	30	1.2	77	1.5	32	1		1										\vdash
31	1.2D + 1.5Lm1 + 1.0 Yes	V	1-1	1	1 2	30	1.2	77	1.5	22	1	71		-			-	-	-	-			-
32	1.2D + 1.5Lm1 + 1.0 Yes	· V		1								-		-	- 16			1					
33	1.2D + 1.5Lm1 + 1.0 Yes	V		_	1.4	38	1.2	77	1.0	34	1	72	1	-				-	_		_		-
34	1.2D + 1.5Lm1 + 1.0 Yes	V		1			1.2					73			_		_	_		_			
25	1.2D + 1.5Lm1 + 1.0 Yes	S T					1.2					74		-				ļ					-
26	12D + 15l m4 + 40	Y	-	1	1.2	39	1.2	1//	1.5	3/	1	75											
30	1.2D + 1.5Lm1 + 1.0 Yes	Y	-	1	1.2	39	1.2	17	1.5	38	1	76			1.								
3/	1.2D + 1.5Lm2 + 1.0 Yes	Y		1	1.2	39	1.2	78	1.5	27	_1_	65											
38	1.2D + 1.5Lm2 + 1.0 Yes	Y					1.2					66	-										
39	1.2D + 1.5Lm2 + 1.0 Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0 Yes	Y					1.2					68	1										
41	1.2D + 1.5Lm2 + 1.0 Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0 Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1		1	- 1				2			
43	1.2D + 1.5Lm2 + 1.0 Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71											
44	1.2D + 1.5Lm2 + 1.0 Yes	Y					1.2					72	1										
45	1.2D + 1.5Lm2 + 1.0 Yes	Y					1.2					73	1					-					
46	1.2D + 1.5Lm2 + 1.0 Yes	Y		1	12	39	1.2	78	1.5	36	1	74						100					
47	1.2D + 1.5Lm2 + 1.0 Yes	Y		1	12	30	1.2	78	1.5	37	1	75	_					-					
48	1.2D + 1.5Lm2 + 1.0 Yes	V		1	1.2	30	1.2	70	1.5	20	1	1000						-			-	-	
49		V		1	1.2	20	1.2	70	1.5	30	1	76									-		
50		Y									-			-		_	_	-					
51							1.2		1.5		_	\vdash											
	1.2D + 1.0Ev + 1.0EhYes	Y	-				1.4		-	E134	-	-											
52	1.2D + 1.0EV + 1.0Eh 19 es	Y					1.2					82		83			1						
53	1.2D + 1.0Ev + 1.0EhYes	Y					1.2								.5								
54	1.2D + 1.0Ev + 1.0EhYes	Y					1.2						5		.866								
55	1.2D + 1.0Ev + 1.0EhYes	Y					1.2			ELY		82		83				ELX					
56	1.2D + 1.0Ev + 1.0EhYes	Y					1.2			ELY					.866								
5/	1.2D + 1.0Ev + 1.0EhYes	Y					1.2			ELY	1	82	866	83	.5	ELZ	866	ELX	.5				
58	1.2D + 1.0Ev + 1.0EhYes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0Ev + 1.0EhYes	Y		1	1.2	39	1.2	81	1	ELY	1				5								
60	1.2D + 1.0Ev + 1.0EhYes	Υ		1	1.2	39	1.2	81	1	ELY					866								-
61	1.2D + 1.0Ev + 1.0EhYes	Y		1	1.2	39	1.2	81		ELY		82			-1			ELX					
62	1.2D + 1.0Ev + 1.0EhYes	Υ					1.2						-5	83	866	ELZ	-5		866				
63	1.2D + 1.0Ev + 1.0EhYes	Y					1.2			ELY					5								-
64	0.9D - 1.0Ev + 1.0Eh (Yes	Y		1			.9										1			-	11		
65	0.9D - 1.0Ev + 1.0Eh (Yes	Y		1			.9														-		
66	0.9D - 1.0Ev + 1.0Eh (Yes	V		1	.9	20				ELY					.866								
67	0.9D - 1.0Ev + 1.0Eh (Yes	V		-				81				82	.5					-					
68	0.9D - 1.0Ev + 1.0Eh (Yes	Y		1			.9			ELY		82	-		1			ELX					
60	0.9D - 1.0Ev + 1.0Eh (Yes	Y		1				81		ELY					.866						-		
69	0.0D 1.0EV + 1.0EH (.1.Yes	Y		1			.9			ELY					.5					_			
70	0.9D - 1.0Ev + 1.0Eh (Yes	Y		1			.9						-1				-1						T Y
71	0.9D - 1.0Ev + 1.0Eh (Yes	Υ		1			.9	81							5								
72	0.9D - 1.0Ev + 1.0Eh (Yes	Y		1				81		ELY		82	5					ELX	866				i
73	0.9D - 1.0Ev + 1.0Eh (Yes	Y		1				81	-1	ELY		82			-1			ELX	-				
74	0.9D - 1.0Ev + 1.0Eh (Yes	Y		1				81					.5					ELX	866				
75	0.9D - 1.0Ev + 1.0Eh (Yes	Y		1			.9																
							-	-		_	<u> </u>	-	_									_	



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Joint Coordinates and Temperatures

	ordinates and 1 Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap.
4	A4	1.587713	Ŏ	0	0	
2	A5	0.24572	1.5	2.877914	0	
3	A6	0.24572	-1.5	2.877914	0	
	A7	0.24572	1.5	3.29458	0	
5	A8	0.24572	-1.5	3.29458	0	
	A9	0.24572	1.5	3.54458	0	
6	A10	0.24572	-1.5	3.54458	0	
7	A11	0.24572	1.5	5.04458	0	
8		0.24572	-1.5	5.04458	0	
9	A12	0.24572	2.333333	5.04458	0	
10	A13	0.24572	-2.333333	5.04458	0	
11	A14	0.24572	-1.916667	5.04458	0	
12	A15	0.24572	1.916667	5.04458	0	
13	A16	-5.00428	-1.916667	5.315414	0	
14	A17		1.916667	5.315414	0	
15	A18	-5.00428	-1.916667	5.315414	0	
16	A19	5.49572		5.315414	0	
17	A20	5.49572	1.916667	5.315414	0	
18	A21	0.24572	-1.916667		0	
19	A22	0.24572	1.916667	5.315414	0	
20	A23	5.224887	-1.916667	5.315414		
21	A24	5.224887	1.916667	5.315414	0	
22	A25	1.349887	-1.916667	5.315414	0	
23	A26	1.349887	1.916667	5.315414	0	
24	A27	-0.483447	-1.916667	5.315414	0	
25	A28	-0.483447	1.916667	5.315414	0	
26	A29	-2.733447	-1.916667	5.315414	0	
27	A30	-2.733447	1.916667	5.315414	0	
28	A31	-4.733447	-1.916667	5.315414	0	
29	A32	-4.733447	1.916667	5.315414	0	
	A33	5.224887	-1.916667	5.565414	0	
30	A34	5.224887	1.916667	5.565414	0	
31	A35	-0.483447	-1.916667	5.565414	0	
32	A36	-0.483447	1.916667	5.565414	0	
33	A37	-4.733447	-1.916667	5.565414	0	
34	A38	-4.733447	1.916667	5.565414	0	
35		1.349887	-1.916667	5.065414	0	
36	A39	1.349887	1.916667	5.065414	0	
37	A40	-2.733447	-1.916667	5.065414	0	
38	A41	-2.733447	1.916667	5.065414	0	
39	A42		3.583333	5.565414	0	
40	A43	5.224887	3.583333	5.565414	0	
41	A44	-0.483447	5.416663	5.565414	0	
42	A45	-4.733447			0	
43	A46	5.224887	-2.416667	5.565414	0	
44	A47	-0.483447	-2.416667	5.565414		
45	A48	-4.733447	-2.583667	5.565414	0	
46	A49	1.349887	3.208333	5.065414		
47	A50	-2.733447	3.208333	5.065414	0	
48	A51	1.349887	-2.791667	5.065414	0	
49	A52	-2.733447	-2.791667	5.065414	0	
50	B54	-0.233637	1.5	-2.601157	0	
51	B55	-0.233637	-1.5	-2.601157	0	
52	B56	-0.59448	1.5	-2.80949	0	
53	B57	-0.59448	-1.5	-2.80949	0	
54	B58	-0.810987	1.5	-2.93449	0	
55	B59	-0.810987	-1.5	-2.93449	0	
56	B60	-2.110025	1.5	-3.68449	0	



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Project No. 10207141 5000382880-VZW_MT_LO_H

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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
57	B61	-2.110025	-1.5	-3.68449	0	
58	B62	-2.110025	2.333333	-3.68449	0	
59	B63	-2.110025	-2.333333	-3.68449	0	
60	B64	-2.110025	-1.916667	-3.68449	0	
61	B65	-2.110025	1.916667	-3.68449	0	
62	B66	0.280427	-1.916667	-8.36654	0	
63	B67	0.280427	1.916667	-8.36654	0	
64	B68	-4.969573	-1.916667	0.726726	0	
65	B69	-4.969573	1.916667	0.726726	0	
66	B70	-2.344573	-1.916667	-3.819907	0	
67	B71	-2.344573	1.916667	-3.819907	0	
68	B72	-4.834157	-1.916667	0.492178	0	
69	B73	-4.834157	1.916667	0.492178	0	
70	B74	-2.896657	-1.916667	-2.863671	0	
71	B75	-2.896657	1.916667	-2.863671	Ö	
72	B76	-1.97999	-1.916667	-4.451384	ŏ	
73	B77	-1.97999	1.916667	-4.451384	Ö	
74	B78	-0.85499	-1.916667	-6.399941	Ö	
75	B79	-0.85499	1.916667	-6.399941	Ö	
76	B80	0.14501	-1.916667	-8.131992	0	
77	B81	0.14501	1.916667	-8.131992	0	
78	B82	-5.050663	-1.916667	0.367178	0	
79	B83	-5.050663	1.916667	0.367178	0	
80	B84	-2.196497	-1.916667	-4.576384	0	
81	B85	-2.196497	1.916667	-4.576384	0	
82	B86	-0.071497	-1.916667	-8.256992	0	
83	B87	-0.071497	1.916667	-8.256992	0	
84	B88	-2.68015	-1.916667	-2.738671	0	
85	B89	-2.68015	1.916667	-2.738671	0	+
86	B90	-0.638484	-1.916667	-6.274941	0	
87	B91	-0.638484	1.916667	-6.274941	0	
88	B92	-5.050663	3.583333	0.367178		
89	B93	-2.196497	3.583333		0	+
90	B94	-0.071497	5.416663	-4.576384	0	
91	B95	-5.050663	-2.416667	-8.256992	0	
92	B96	-2.196497	-2.416667	0.367178	0	VI
93	B97	-0.071497	-2.4 10007	-4.576384	0	
94	B98	-2.68015	-2.583667	-8.256992	0	
95	B99	-0.638484	3.208333	-2.738671	0	
96	B100		3.208333	-6.274941	0	
97	B101	-2.68015	-2.791667	-2.738671	0	
98	C102	-0.638484	-2.791667	-6.274941	0	
99		4.751056	1.5	-0.276757	0	
	C103	4.751056	-1.5	-0.276757	0	
100	C104	5.142595	1.5	-0.419265	0	
101	C105	5.142595	-1.5	-0.419265	0	
102	C106	5.377518	1.5	-0.50477	0	
103	C107	5.377518	-1.5	-0.50477	0	
104	C108	6.787057	1.5	-1.0178	0	
105	C109	6.787057	-1.5	-1.0178	0	
106	C110	6.787057	2.333333	-1.0178	0	
107	C111	6.787057	-2.333333	-1.0178	0	
108	C112	6.787057	-1.916667	-1.0178	0	1.56
109	C113	6.787057	1.916667	-1.0178	0	
110	C114	8.837163	-1.916667	3.822956	0	
111	C115	8.837163	1.916667	3.822956	0	
112	C116	5.245951	-1.916667	-6.043817	0	
113	C117	5.245951	1.916667	-6.043817	0	



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: Project No. 10207141 : 5000382880-VZW_MT_LO_H

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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
114	C118	7.041557	-1.916667	-1.110431	0	
115	C119	7.041557	1.916667	-1.110431	0	
116	C120	5.338582	-1.916667	-5.789317	0	
117	C121	5.338582	1.916667	-5.789317	00	
118	C122	6.66391	-1.916667	-2.148008	0	
119	C123	6.66391	1.916667	-2.148008	0	
120	C124	7.290947	-1.916667	-0.425238	0	
121	C125	7.290947	1.916667	-0.425238	0	
122	C126	8.060492	-1.916667	1.68907	0	
	C127	8.060492	1.916667	1.68907	0	
123	C128	8.744532	-1.916667	3.568455	0	
124	C129	8.744532	1.916667	3.568455	0	
125		5.573505	-1.916667	-5.874822	0	
126	C130	5.573505	1.916667	-5.874822	0	
127	C131	7.52587	-1.916667	-0.510743	0	كالراضحاني الراك
128	C132	7.52587	1.916667	-0.510743	0	
129	C133	8.979455	-1.916667	3.48295	0	
130	C134		1.916667	3.48295	0	
131	C135	8.979455	-1.916667	-2.062503	0	
132	C136	6.428987	1.916667	-2.062503	0	
133	C137	6.428987	-1.916667	1.774575	Ö	
134	C138	7.825569		1.774575	0	
135	C139	7.825569	1.916667	-5.874822	0	aluis III i
136	C140	5.573505	3.583333	-0.510743	0	
137	C141	7.52587	3.583333	3.48295	0	
138	C142	8.979455	5.416663		0	
139	C143	5.573505	-2.416667	-5.874822	0	
140	C144	7.52587	-2.416667	-0.510743		
141	C145	8.979455	-2.583667	3.48295	0	
142	C146	6.428987	3.208333	-2.062503	0	
143	C147	7.825569	3.208333	1.774575	0	
144	C148	6.428987	-2.791667	-2.062503	0	
145	C149	7.825569	-2.791667	1.774575	0	
146	N149	-3.983447	-1.916667	5.315414	0	
147	N150	0.24572	-1	2.877914	0	
148	N151	5.224887	-1.166667	5.565414	0	
149	N152	-0.233637		-2.601157	0	
150	N153	4.751056	-1	-0.276757	0	
151	N155	-0.233637	-2	-2.601157	0	
152	N156	4.751056	-2	-0.276757	0	
153	C157	8.488017	-1.916667	2.863686	0	
154	C159	5.573505	-1.166667	-5.874822	0	
155	B159	-0.22999	-1.916667	-7.482473	0	
	B161	-5.050663	-1.166667	0.367178	0	
156	B162	0.24572	-2	2.877914	0	
157	N158	5.224887	2.833333	5.565414	0	
158		-4.733447	2.833333	5.565414	0	
159	N159	-5.050663	2.833333	0.367178	0	
160	N160	-0.071497	2.833333	-8.256992	0	
161	N161	5.573505	2.833333	-5.874822	0	
162	N162		2.833333	3.48295	0	
163	N163	8.979455	-1.416667	-8.256992	Ö	
164	N164	-0.071497	-1.416667	3.48295	0	
165	N165 N166	8.979455 6.001247	-1.916667	-3.968659	Ö	

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Project No. 10207141 5000382880-VZW_MT_LO_H

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Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design	A [in2]	lvv fin41	Izz [in4]	J [in4]
1	Standoff Horizontal	HSS3X3X3	None	None	A500 Gr.B	Typical	1.89	2.46	2.46	4.03
2	Standoff Vertical End	PIPE 3.0	None	None	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
3	Standoff Vertical Start	PIPE 2.0	None	None	A53 Gr.B	Typical	1.02	.627	627	1.25
4	Face Horizontal	PIPE 2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
5	Mount Pipe (P2 STD)	PIPE 2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
6	Tieback	PIPE 2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Mod Mount Pipe (P2.5	PIPE 2.5	None	None	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
8	Mod Stabilizer Pipe	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E.	.Density[k/ft	Yield[ksi]	Rv	Fulksil	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	11
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	12
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B RECT	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A500 Gr.C RND	29000	11154	.3	.65	.527	46	1.4	62	1.3
7	A500 Gr.C RECT	29000	11154	.3	.65	.527	50	1.4	62	1.3
8	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
9	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
10	A913 Gr.65	29000	11154	.3	.65	.49	65	11	80	1.1

Member Primary Data

r -	Label	1 Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	A1	A7	A11			Standoff Horiz	None	None	A500 Gr.B.,	Typical
2	A2	A8	A12			Standoff Horiz	None	None	A500 Gr.B.,	Typical
3	A3	A8	A6			RIGID	None	None	RIGID	Typical
4	A4	A7	A5			RIGID	None	None	RIGID	Typical
5	A5	A9	A10	1		Standoff Vertic	None	None	A53 Gr.B	Typical
6	A6	A13	A14			Standoff Vertic	None	None	A53 Gr.B	Typical
7	A7	A18	A20			Face Horizontal	None	None	A53 Gr.B	Typical
8	A8	A17	A19			Face Horizontal	None	None	A53 Gr.B	
9	A9	_A15	A21			RIGID	None	None	RIGID	Typical
10	A10	A16	A22			RIGID	None	None	RIGID	Typical
11	A11	A31	A37			RIGID	None	None	RIGID	Typical
12	A12	A32	A38			RIGID	None	None	RIGID	Typical
13	A13	A29	A41			RIGID	None	None	RIGID	Typical
14	A14	A30	A42			RIGID	None	None	RIGID	Typical
15	A15	A27	A35			RIGID	None	None	RIGID	Typical
16	A16	A25	A39			RIGID	None	None	RIGID	Typical
17	A17	A28	A36			RIGID	None	None	RIGID	Typical
18	A18	A26	A40		(2)	RIGID	None	None	RIGID	Typical
19	A19	A23	A33			RIGID	None	None	RIGID	Typical
20	A20	A24	A34			RIGID	None	None	RIGID	Typical
21	B26	B56	B60			Standoff Horiz	None	None	A500 Gr.B	Typical
22	B27	B57	B61			Standoff Horiz	None	None	A500 Gr.B	Typical
23	B28	B57	B55			RIGID	None	None	RIGID	Typical
24	B29	B56	B54			RIGID	None	None	RIGID	Typical
25	B30	B58	B59			Standoff Vertic	None	None	A53 Gr.B	Typical
26	B31	B62	B63			Standoff Vertic	None	None	A53 Gr.B	Typical
27	B32	B67	B69			Face Horizontal	None	None	A53 Gr.B	Typical
28	B33	B66	B68			Face Horizontal	None	None	A53 Gr.B	Typical
29	B34	B64	B70			RIGID	None	None	RIGID	Typical



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Project No. 10207141 : 5000382880-VZW_MT_LO_H

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Member Primary Data (Continued)

	Label	1 Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Туре	Design List	Material	Design Rule Typical
30	B35	B65	B71		A DIL L	RIGID	None	None	RIGID	
31	B36	B80	B86			RIGID	None	None	RIGID	Typical
32	B37	B81	B87			RIGID	None	None	RIGID	Typical
33	B38	B78	B90			RIGID	None	None	RIGID	Typical
34	B39	B79	B91			RIGID	None	None	RIGID	Typical
35	B40	B76	B84			RIGID	None	None	RIGID	Typical
	B41	B74	B88			RIGID	None	None	RIGID	Typical
36		B77	B85			RIGID	None	None	RIGID	Typical
37	B42	B75	B89			RIGID	None	None	RIGID	Typical
38	B43	B72	B82			RIGID	None	None	RIGID	Typical
39	B44		B83			RIGID	None	None	RIGID	Typical
40	B45	B73_			1	Tieback	None	None	A53 Gr.B	Typical
41	B80	N164	N152			Tieback	None	None	A53 Gr.B	
42	B81	B161	B162			Standoff Horiz	None	None	A500 Gr.B.	Typical
43	C51	C104	C108		_	Standoff Horiz	None	None	A500 Gr.B	
44	C52	C105	C109			RIGID	None	None	RIGID	Typical
45	C53	C105	C103		_	RIGID	None	None	RIGID	Typical
46	C54	C104	C102		4			None	A53 Gr.B	Typical
47	C55	C106	C107		-	Standoff Vertic	None None	None	A53 Gr.B	
48	C56	C110	C111			Face Horizontal		None	A53 Gr.B	
49	C57	C115	C117				None		A53 Gr.B	
50	C58	C114	C116			Face Horizontal	None	None		Typical
51	C59	C112	C118			RIGID	None	None	RIGID	Typical
52	C60	C113	C119			RIGID	None	None	RIGID	
53	C61	C128	C134			RIGID	None	None	RIGID	Typical
54	C62	C129	C135			RIGID	None	None	RIGID	Typical
55	C63	C126	C138			RIGID	None	None	RIGID	Typical
56	C64	C127	C139			RIGID	None	None	RIGID	Typical
57	C65	C124	C132			RIGID	None	None	RIGID	Typical
58	C66	C122	C136			RIGID	None	None	RIGID	Typical
	C67	C125	C133			RIGID	None	None	RIGID	Typical
59		C123	C137	1000		RIGID	None	None	RIGID	Typical
60	C68	C120	C130			RIGID	None	None	RIGID	Typical
61	C69	C121	C131			RIGID	None	None	RIGID	Typical
62	C70		N153	-		Tieback	None	None	A53 Gr.B	Typical
63	C78	N165			+	Tieback	None	None	A53 Gr.B	
64	C79	N166	N155		+	Tieback	None	None	A53 Gr.B	
65	M76	N149	N150			Tieback	None	None	A53 Gr.B	
66	M77	N151	N156			Mount Pipe (P	None	None	A53 Gr.B	
67	MP1A	A43	A46			Mount Pipe (P	None	None	A53 Gr.B	
68	MP1B	B92	B95			Mount Pipe (P	None	None	A53 Gr.B	
69	MP1C	C140	C143	-		Mount Pipe (P	None	None	A53 Gr.B	
70	MP2A	A49	A51					None	A53 Gr.B	
71	MP2B	B98	B100	ļ		Mount Pipe (P	None			
72	MP2C	C146	C148			Mount Pipe (P		None	A53 Gr.B	
73	MP3A	A44	A47			Mount Pipe (P	None	None	A53 Gr.B	
74	MP3B	B93	B96			Mount Pipe (P	None	None	A53 Gr.B	
75	MP3C	C141	C144			Mount Pipe (P	None	None	A53 Gr.B	
76	MP4A	A50	A52			Mount Pipe (P	None	None	A53 Gr.B	Typical
77	MP4B	B99	B101			Mount Pipe (P	None	None	A53 Gr.B	
78	MP4C	C147	C149			Mount Pipe (P	None	None	A53 Gr.B	
	The second secon	A45	A48			Mod Mount Pip.	None	None	A53 Gr.E	
79	MP5A MP5B	B94	B97	THE STATE OF THE S		Mod Mount Pip.	None	None	A53 Gr.B	
80	MP5B		C145			Mod Mount Pip.		None	A53 Gr.E	
81	MP5C	C142				Mod Stabilizer	None	None	A53 Gr.B	
82	M82	N159	N160			Mod Stabilizer	None	None	A53 Gr.E	
83	M83	N161	N162			Mod Stabilizer	None	None	A53 Gr.E	



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Member Advanced Data

1	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only		Defl Rat/	Analysis	Inactive	Seismic
1	A1						Yes	** NA **			None
2	A2					1111	Yes	** NA **			None
3	A3						Yes	** NA **			None
4	A4						Yes	** NA **			None
5	A5						Yes	** NA **			None
6	A6						Yes	** NA **			None
7	A7						Yes	** NA **			None
8	A8						Yes	** NA **			None
9	A9	000000					Yes	** NA **			None
10	A10	000000					Yes	** NA **			
11	A11		****					** NA **			None
12	A12						Yes	** NA **			None
13	A13										None
14	A14						Yes	** NA **			None
15	A15	+						** NA **			None
16	A16							** NA **			None
17	A17							** NA **			None
18	A18							** NA **			None
		1						** NA **			None
19	A19							** NA **			None
20	A20							** NA **			None
21	B26	1						** NA **			None
22	B27			N C			Yes	** NA **			None
23	B28						Yes	** NA **			None
24	B29							** NA **			None
25	B30						Yes	** NA **			None
26	B31							** NA **			None
27	B32							** NA **			None
28	B33							** NA **			None
29	B34	000000						** NA **			None
30	B35	0000X0						** NA **			
31	B36							** NA **			None
32	B37				X			** NA **		·	None
33	B38										None
34	B39							** NA **			None
35	B40						Yes	** NA **			None
36	B41	T				-		** NA **		Z-101-24-1-	None
37	B42							** NA **			None
38	B43							** NA **			None
39	B44							** NA **			None
40	B45	_						** NA **			None
		David						** NA **			None
41	B80	BenPIN						** NA **			None
42	B81	BenPIN					Yes	** NA **			None
43	C51						Yes	** NA **			None
44	C52						Yes	** NA **	147-2-		None
45	C53						Yes	** NA **			None
46	C54							** NA **			None
47	C55							** NA **			None
48	C56	V200						** NA **			None
49	C57							** NA **			None
50	C58							** NA **			None
51	C59	000000						** NA **			
52	C60	0000X0					Yes	** NA **			None
53	C61							** NA **			None
54	C62							** NA **			None
55	C63							** NA **			None
56	C64										None
							Yes	** NA **			None



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Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl RatAnalysis	Inactive	Seismic.
57	C65	TREEBSC	0 (10:000				Yes	** NA **		None
58	C66						Yes	** NA **	2 - 1	None
	C67	-					Yes	** NA **		None
59	C68						Yes	** NA **		None
60	C69						Yes	** NA **		None
61							Yes	** NA **		None
62	C70	DanDIN					Yes	** NA **		None
63	C78	BenPIN				V	Yes	** NA **		None
64	C79	BenPIN					Yes	** NA **		None
65	M76	BenPIN					Yes	** NA **		None
66	M77	BenPIN					Yes	** NA **		None
67	MP1A						Yes	** NA **		None
68	MP1B						Yes	** NA **		None
69	MP1C						Yes	** NA **		None
70	MP2A						Yes	** NA **		None
71	MP2B						Yes	** NA **		None
72	MP2C						Yes	** NA **		None
73	МРЗА				<u> </u>		Yes	** NA **		None
74	MP3B						Yes	** NA **		None
75	MP3C					X-COOK TO		** NA **		None
76	MP4A						Yes	** NA **		None
77	MP4B						Yes	** NA **		None
78	MP4C						Yes			None
79	MP5A						Yes	** NA **		None
80	MP5B						Yes	** NA **		None
81	MP5C						Yes	** NA **	_	
82	M82	BenPIN	BenPIN				Yes	** NA **		None
83	M83	BenPIN	BenPIN				Yes	** NA **		None
84	M84	BenPIN	BenPIN			1	Yes	** NA **		None

Member Point Loads (BLC 1 : Antenna D)

1011110	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP5A	Y	-17.6	5.25
1	MP5A	Mv	004	5.25
2		Mz	0	5.25
3	MP5A	Y	-17.6	5.25
4	MP5A	My	.004	5.25
5	MP5A		0	5.25
6	MP5A	Mz Y	-23	.68
7	MP5A		023	.68
8	MP5A	My	.019	.68
9	MP5A	Mz		6.16
10	MP5A	Y	-23	6.16
11	MP5A	My	-,023	6.16
12	MP5A	Mz	.019	.68
13	MP5B	Y	-23	.68
14	MP5B	My	005	
15	MP5B	Mz	03	.68
16	MP5B	Y	-23	6.16
17	MP5B	My	005	6.16
18	MP5B	Mz	03	6.16
19	MP5C	Y	-23	.68
20	MP5C	My	.026	.68
21	MP5C	Mz	.015	.68
22	MP5C	Y	-23	6.16
	MP5C	My	.026	6.16
23 24	MP5C	Mz	.015	6.16



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

25	Member Label MP5A	Direction	Magnitude[lb,k-ft]	Location[ft.%]
26	MP5A	Y	-23	.68
27	MP5A	My	023	.68
28	MP5A	Mz Y	019	.68
29	MP5A		-23	6.16
30	MP5A	My	023	6.16
31		Mz	019	6.16
32	MP5B	Y	-23	.68
33	MP5B	My	.028	.68
	MP5B	Mz	01	.68
34	MP5B	Y	-23	6.16
35	MP5B	My	.028	6.16
36	MP5B	Mz	01	6.16
37	MP5C	Y	-23	.68
38	MP5C	My	01	.68
39	MP5C	Mz	.028	.68
40	MP5C	Υ	-23	6.16
41	MP5C	My	01	6.16
42	MP5C	Mz	.028	6.16
43	MP3A	Υ	-43.55	.62
44	MP3A	My	044	.62
45	MP3A	Mz	0	.62
46	MP3A	Y	-43.55	2.55
47	MP3A	My	044	2.55
48	MP3A	Mz	0	2.55
49	MP3B	Υ	-43.55	.62
50	MP3B	My	.022	.62
51	MP3B	Mz	038	.62
52	MP3B	Υ	-43.55	2.55
53	MP3B	My	.022	2.55
54	MP3B	Mz	038	2.55
55	MP3C	Y	-43.55	.62
56	MP3C	My	.015	.62
57	MP3C	Mz	.041	.62
58	MP3C	Y	-43.55	2.55
59	MP3C	Mv	.015	2.55
60	MP3C	Mz	.041	2.55
31	MP4A	Y	-37.35	3.25
52	MP4A	My	.025	3.25
33	MP4A	Mz	0	3.25
64	MP4A	Y	-37.35	3.25
65	MP4A	My	.025	3.25
36	MP4A	Mz	0	
37	MP4B	Y	-37.35	3.25
58	MP4B	My	012	3.25
69	MP4B	Mz	.022	3.25
70	MP4B	Y	-37.35	3.25
71	MP4B	My	012	3.25
72	MP4B	Mz	.022	3.25
73	MP4C	Y	-37.35	3.25
74	MP4C	My		3.25
75	MP4C	Mz	009	3.25
76	MP4C	Y	023	3.25
7	MP4C		-37.35	3.25
78	MP4C	My	009	3.25
9		Mz	023	3.25
	MP3A	Y	-35.15	3.25
30 31	MP3A	My	.023	3.25
21	MP3A	Mz	0	3.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
82	MP3A	Y	-35.15	3.25
83	MP3A	My	.023	3.25
84	MP3A	Mz	0	3.25
85	MP3B	Y	-35.15	3.25
86	MP3B	Mv	-,012	3.25
87	MP3B	Mz	.02	3.25
88	MP3B	Y	-35.15	3.25
89	MP3B	Mv	012	3.25
90	MP3B	Mz	.02	3.25
91	MP3C	Y	-35.15	3.25
92	MP3C	My	008	3.25
	MP3C	Mz	022	3.25
93	MP3C	Y	-35.15	3.25
	MP3C	My	008	3.25
95	MP3C	Mz	022	3.25
96	MP1A	Y	-11.5	.17
97	MP1A	My	011	.17
98	MP1A	Mz	0	.17
99	MP1A	Y	-11.5	5.83
100		Mv	011	5.83
101	MP1A MP1A	Mz	0	5.83
102		Y	-11.5	.17
103	MP1B	Mv	.006	.17
104	MP1B	Mz	01	.17
105	MP1B	Y	-11.5	5.83
106	MP1B	Mv	.006	5.83
107	MP1B	Mz	01	5.83
108	MP1B	Y	-11.5	.17
109	MP1C		.006	.17
110	MP1C	My	.008	.17
111	MP1C	Mz	-11.5	5.83
112	MP1C	Y	.006	5.83
113	MP1C	My		5.83
114	MP1C	Mz	.01	0.00

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	Y	6.6	5.25
-	MP5A	Mv	.002	5.25
2		Mz	0	5.25
3	MP5A MP5A	V	6.6	5.25
4	Andrew Address	My	002	5.25
5	MP5A	Mz	0	5.25
6	MP5A	V	-79.455	.68
7	MP5A		079	.68
8	MP5A	My	.066	.68
9	MP5A	Mz	-79.455	6.16
10	MP5A	Y		6.16
11	MP5A	My	079	6.16
12	MP5A	Mz	.066	
13	MP5B	Y	-79.455	.68
14	MP5B	Mv	018	.68
15	MP5B	Mz	102	.68
16	MP5B	Y	-79.455	6.16
17	MP5B	Mv	018	6.16
	MP5B	Mz	102	6.16
18		V V	-79.455	.68
19	MP5C MP5C	My	.089	.68



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

21	Member Label MP5C	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP5C	Mz	.052	.68
23	MP5C	Y	-79.455	6.16
24	MP5C	My Mz	.089	6.16
25	MP5A	Y	.052	6.16
26	MP5A		-79.455	.68
27	MP5A	My	079	.68
28	MP5A	Mz Y	066	.68
29			-79.455	6.16
30	MP5A MP5A	My	079	6.16
31		Mz	066	6.16
32	MP5B	Y	-79.455	.68
	MP5B	My	.097	.68
33	MP5B	Mz	036	.68
34	MP5B	Y	-79.455	6.16
35	MP5B	My	.097	6.16
36	MP5B	Mz	036	6.16
37	MP5C	Y	-79.455	.68
38	MP5C	My	035	.68
39	MP5C	Mz	.097	.68
40	MP5C	Υ	-79.455	6.16
41	MP5C	My	035	6.16
42	MP5C	Mz	.097	6.16
43	MP3A	Y	-34.277	.62
44	MP3A	My	034	.62
45	MP3A	Mz	0	.62
46	MP3A	Y	-34.277	2.55
47	MP3A	My	034	2.55
48	MP3A	Mz	0	2.55
49	MP3B	Y	-34.277	.62
50	MP3B	My	.017	.62
51	MP3B	Mz	03	.62
52	MP3B	Y	-34.277	2.55
53	MP3B	My	.017	2.55
54	MP3B	Mz	03	2.55
55	MP3C	Y	-34.277	.62
56	MP3C	My	.012	.62
57	MP3C	Mz	.032	.62
58	MP3C	Y	-34.277	2.55
59	MP3C	Mv	.012	2.55
60	MP3C	Mz	.032	2.55
61	MP4A	Y	-21.546	3.25
62	MP4A	My	.014	3.25
63	MP4A	Mz	0	3.25
64	MP4A	Y	-21.546	3.25
65	MP4A	My	.014	
66	MP4A	Mz	0	3.25
67	MP4B	Y	-21.546	3.25
68	MP4B	My	007	3.25
69	MP4B	Mz	.012	3.25
70	MP4B	Y	-21.546	3.25
71	MP4B	My		3.25
72	MP4B	Mz	007	3.25
73	MP4C	Y	.012 -21.546	3.25
74	MP4C	My		3.25
75	MP4C	Mz	005	3.25
76	MP4C	Y	013	3.25
77	MP4C		-21.546	3.25
	IVIE 40	My	005	3.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP4C	Mz	013	3.25
79	MP3A	Y	-20.515	3.25
80	MP3A	My	.014	3.25
81	MP3A	Mz	0	3.25
82	MP3A	Y	-20.515	3.25
	MP3A	My	.014	3.25
83	MP3A	Mz	0	3.25
84	MP3B	Y	-20.515	3.25
85		Mv	007	3.25
86	MP3B	Mz	.012	3.25
87	MP3B	Y	-20.515	3.25
88	MP3B	My	007	3.25
89	MP3B	Mz	.012	3.25
90	MP3B	Y	-20.515	3.25
91	MP3C	My	005	3.25
92	MP3C	Mz	013	3.25
93	MP3C	Y	-20.515	3.25
94	MP3C		005	3.25
95	MP3C	My	013	3.25
96	MP3C	Mz	-56.18	.17
97	MP1A	Y	056	.17
98	MP1A	My	056	.17
99	MP1A	Mz		5.83
100	MP1A	Y	-56.18	5.83
101	MP1A	My	056	5.83
102	MP1A	Mz	0	.17
103	MP1B	Υ	-56.18	.17
104	MP1B	My	.028	.17
105	MP1B	Mz	049	5.83
106	MP1B	Υ	-56.18	5.83
107	MP1B	My	.028	
108	MP1B	Mz	049	5.83
109	MP1C	Y	-56.18	.17
110	MP1C	My	.028	.17
111	MP1C	Mz	.049	.17
112	MP1C	Υ	-56.18	5.83
113	MP1C	My	.028	5.83
114	MP1C	Mz	.049	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	0	5.25
2	MP5A	Z	-28.891	5.25
3	MP5A	Mx	0	5.25
4	MP5A	X	0	5.25
5	MP5A	Z	-28.891	5.25
6	MP5A	Mx	0	5.25
7	MP5A	X	0	.68
8	MP5A	Z	-71.595	.68
9	MP5A	Mx	06	.68
10	MP5A	X	0	6.16
11	MP5A	7	-71.595	6.16
12	MP5A	Mx	06	6.16
13	MP5B	X	0	.68
	MP5B	7	-58.086	.68
14	MP5B	Mx	.075	.68
15 16	MP5B	X	0	6.16



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

17	Member Label MP5B	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP5B	Z Mx	-58.086	6.16
19	MP5C		.075	6.16
20	MP5C	X	0	.68
21	MP5C		-55.69	.68
22		Mx	036	.68
	MP5C	X	0	6.16
23	MP5C	Z	-55.69	6.16
24	MP5C	Mx	036	6.16
25	MP5A	<u>X</u>	0	.68
26	MP5A	Z	-71.595	.68
27	MP5A	Mx	.06	.68
28	MP5A	X	0	6.16
29	MP5A	Z	-71.595	6.16
30	MP5A	Mx	.06	6.16
31	MP5B	X	0	.68
32	MP5B	Z	-58.086	.68
33	MP5B	Mx	.026	.68
34	MP5B	X	0	6.16
35	MP5B	Z	-58.086	6.16
36	MP5B	Mx	.026	6.16
37	MP5C	X	0	.68
38	MP5C	Z	-55.69	.68
39	MP5C	Mx	068	.68
40	MP5C	X	0	6.16
41	MP5C	Z	-55.69	6.16
42	MP5C	Mx	068	6.16
43	MP3A	X	0	.62
44	MP3A	Z	-59.334	.62
45	MP3A	Mx	0	.62
46	MP3A	X	0	2.55
47	MP3A	Z	-59.334	2.55
48	MP3A	Mx	0	2.55
49	MP3B	X	0	.62
50	MP3B	Ž	-30.159	.62
51	MP3B	Mx	.026	.62
52	MP3B	X	0	2.55
53	MP3B	Z	-30.159	
54	MP3B	Mx		2.55
55	MP3C	X	.026	2.55
56	MP3C	Z	0	.62
57	MP3C	Mx	-24.985	.62
58	MP3C	X	023	.62
59	MP3C	Z	0	2.55
60	MP3C		-24.985	2.55
		Mx	023	2.55
61 62	MP4A	X	0	3.25
	MP4A	Z	-23.324	3.25
63	MP4A	Mx	0	3.25
64	MP4A	X	0	3.25
65	MP4A	Z	-23.324	3.25
66	MP4A	Mx	0	3.25
67	MP4B	X	0	3.25
68	MP4B	Z	-17.568	3.25
69	MP4B	Mx	01	3.25
70	MP4B	X	0	3.25
71	MP4B	Z	-17.568	3.25
72	MP4B	Mx	01	3.25
73	MP4C	X	0	3.25



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

Mem	ber Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
	/IP4C	Z	-16.547	3.25
	/P4C	Mx	.01	3.25
	AP4C	X	0	3.25
	/IP4C	Z	-16.547	3.25
	/P4C	Mx	.01	3.25
	ЛРЗА	X	0	3.25
	/IP3A	Z	-23.324	3.25
	/IP3A	Mx	0	3.25
	/P3A	X	0	3.25
	/IP3A	Z	-23.324	3.25
	/IP3A	Mx	0	3.25
	/IP3B	X	0	3.25
	MP3B	Z	-16.439	3.25
	/IP3B	Mx	009	3.25
	MP3B	X	0	3.25
	MP3B	Z	-16.439	3.25
	MP3B	Mx	009	3.25
	MP3C	X	0	3.25
	MP3C	Z	-15.218	3.25
	MP3C	Mx	.01	3.25
	/P3C	X	0	3.25
	MP3C	Z	-15.218	3.25
	MP3C	Mx	.01	3.25
	/P1A	X	0	.17
	/P1A	Z	-124.118	.17
	/P1A	Mx	0	.17
	/P1A	X	0	5.83
	/P1A	Z	-124.118	5.83
	MP1A	Mx	0	5.83
	/IP1B	X	0	.17
	/IP1B	Z	-105.881	.17
	лР1В	Mx	.092	
	/P1B	X	0	5.83
	/P1B	Z	-105.881	5.83
	/P1B	Mx	.092	5.83
	/P1C	X	0	.17
	MP1C	Z	-105.881	.17
	MP1C	Mx	092	.17
	MP1C	X	0	5.83
	/P1C	Z	-105.881	5.83
	MP1C	Mx	092	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	11.929	5.25
2	MP5A	7	-20.662	5.25
3	MP5A	Mx	003	5.25
4	MP5A	X	11.929	5.25
5	MP5A	7	-20.662	5.25
6	MP5A	Mx	.003	5.25
7	MP5A	X	33.546	.68
8	MP5A	7	-58.103	.68
9	MP5A	Mx	082	.68
10	MP5A	X	33.546	6.16
11	MP5A	7	-58.103	6.16
12	MP5A	Mx	082	6.16



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

14 MF 15 MF 16 MF 17 MF 18 MF 19 MF 20 MF 21 MF 22 MF 23 MF 24 MF 25 MF 26 MF 27 MF 28 MF 29 MF 30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 39 MF 40 MF 41 MF 42 MF	P5B X P5B Z P5B X P5B X P5B Z P5B X P5C X P5C Z P5C X P5C X P5C X P5C X P5C X	26.791 -46.404 .054 26.791 -46.404 .054 32.076 -55.558	.68 .68 .68 6.16 6.16 6.16
15 MF 16 MF 17 MF 18 MF 19 MF 20 MF 21 MF 22 MF 23 MF 24 MF 25 MF 26 MF 27 MF 28 MF 29 MF 30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF	P5B Mx P5B X P5B Z P5B Mx P5C X P5C Z P5C Mx P5C X	.054 26.791 -46.404 .054 32.076 -55.558	.68 6.16 6.16 6.16
16 MF 17 MF 18 MF 19 MF 20 MF 21 MF 22 MF 23 MF 24 MF 25 MF 26 MF 27 MF 28 MF 29 MF 30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF	P5B X P5B Z P5B Mx P5C X P5C Z P5C Mx P5C X	26.791 -46.404 .054 32.076 -55.558	6.16 6.16 6.16
17 MF 18 MF 19 MF 20 MF 21 MF 22 MF 23 MF 24 MF 25 MF 26 MF 27 MF 28 MF 29 MF 30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 38 MF 39 MF 40 MF 41 MF 42 MF	P5B Z P5B Mx P5C X P5C Z P5C Mx P5C X	-46.404 .054 32.076 -55.558	6.16 6.16
18 MF 19 MF 20 MF 20 MF 21 MF 22 MF 23 MF 24 MF 25 MF 26 MF 27 MF 28 MF 29 MF 30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	P5B Mx P5C X P5C Z P5C Mx P5C X	.054 32.076 -55.558	6.16
19 MF 20 MF 20 MF 21 MF 22 MF 23 MF 24 MF 25 MF 26 MF 27 MF 28 MF 30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	P5C X P5C Z P5C Mx P5C X	32.076 -55.558	
20 MF 21 MF 22 MF 23 MF 24 MF 25 MF 26 MF 27 MF 28 MF 29 MF 30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	P5C Z P5C Mx P5C X	-55.558	68
21 MF 22 MF 23 MF 24 MF 25 MF 26 MF 27 MF 28 MF 29 MF 30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	P5C Mx		
22 MF 23 MF 24 MF 25 MF 26 MF 27 MF 28 MF 29 MF 30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	P5C X		.68
23 MF 24 MF 25 MF 26 MF 27 MF 28 MF 29 MF 30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF		000284	.68
24 MF 25 MF 26 MF 27 MF 28 MF 29 MF 30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	750	32.076	6.16
25 MF 26 MF 27 MF 28 MF 29 MF 30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF		-55.558	6.16
26 MF 27 MF 28 MF 29 MF 30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	P5C Mx	000284	6.16
27 MF 28 MF 29 MF 30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	P5A X	33.546	.68
28 MF 29 MF 30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	P5A Z	-58.103	.68
29 MF 30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	P5A Mx	.015	.68
30 MF 31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	P5A X	33.546	6.16
31 MF 32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	P5A Z	-58.103	6.16
32 MF 33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	P5A Mx	.015	6.16
33 MF 34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	P5B X	26.791	.68
34 MF 35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	P5B Z	-46.404	.68
35 MF 36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	P5B Mx	.054	.68
36 MF 37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF	P5B X	26.791	6.16
37 MF 38 MF 39 MF 40 MF 41 MF 42 MF 43 MF 44 MF	P5B Z	-46.404	6.16
38 MF 39 MF 40 MF 41 MF 42 MF 43 MF 44 MF	P5B Mx	.054	6.16
39 MF 40 MF 41 MF 42 MF 43 MF 44 MF	PSC X	32.076	.68
40 MF 41 MF 42 MF 43 MF 44 MF	PSC Z	-55.558	.68
41 MF 42 MF 43 MF 44 MF	P5C Mx	082	.68
42 MF 43 MF 44 MF	P5C X	32.076	6.16
43 MF 44 MF	PSC Z	-55.558	6.16
44 MF	P5C Mx	082	6.16
	P3A X	24.805	.62
45 MP	P3A Z	-42.963	.62
	P3A Mx	025	.62
	P3A X	24.805	2.55
	P3A Z	-42.963	2.55
48 MP	P3A Mx	025	2.55
49 MF	P3B X	10.217	.62
50 MP	P3B Z	-17.696	.62
51 MP	P3B Mx	.02	.62
52 MP	P3B X	10.217	2.55
	P3B Z	-17.696	2.55
54 MP	P3B Mx	.02	2.55
	P3C X	21.631	.62
	23C Z	-37.466	.62
	P3C Mx	028	.62
	P3C X	21.631	2.55
	P3C Z	-37.466	2.55
	P3C Mx	028	2.55
	P4A X	10.702	3.25
	P4A Z	-18.537	3.25
	P4A Mx	.007	3.25
	P4A X	10.702	3.25
65 MP		-18.537	3.25
66 MP		.007	3.25
67 MP		7.825	3.25
			3.25
69 MP	24B Z	-13.553	



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

Membe	r Label Direction	Magnitude[lb,k-ft]	Location[ft,%]
70 MP	4B X	7.825	3.25
71 MP		-13.553	3.25
72 MP		01	3.25
73 MP	4C X	10.076	3.25
74 MP		-17.453	3.25
75 MP		.009	3.25
76 MP	4C X	10.076	3.25
77 MP		-17.453	3.25
78 MP		.009	3.25
79 MP	3A X	10.514	3.25
80 MP	3A Z	-18.211	3.25
81 MP		,007	3.25
82 MP	3A X	10.514	3.25
83 MP	3A Z	-18.211	3.25
84 MP	3A Mx	.007	3.25
85 MP	3B X	7.072	3.25
86 MP	3B Z	-12.25	3.25
87 MP	3B Mx	009	3.25
88 MP	3B X	7.072	3.25
89 MP	3B Z	-12.25	3.25
90 MP	3B Mx	009	3.25
91 MP	3C X	9.766	3.25
92 MP	3C Z	-16.914	3.25
93 MP	3C Mx	.008	3.25
94 MP	3C X	9.766	3.25 3.25
95 MP	3C Z	-16.914	
96 MP	3C Mx	.008	3.25
97 MP	1A X	59.019	.17
98 MP	1A Z	-102.225	.17
99 MP		059	5.83
100 MP	1A X	59.019	5.83
101 MP	1A Z	-102.225	5.83
102 MP	1A Mx	059	.17
103 MP		49.901	.17
104 MP		-86.431	.17
105 MP		.1	5.83
106 MP	1B X	49.901	5.83
107 MP	1B Z	-86.431	5.83
108 MP		.1	.17
109 MP		59.019	.17
110 MP	r1C Z	-102.225	.17
111 MP	1C Mx	059	5.83
112 MP	1C X	59.019	5.83
113 MP	21C Z	-102.225	5.83
114 MP	1C Mx	059	3.03

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

	Marchael abol	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	Member Label	Y	11.947	5.25
1	MP5A	+	-6.897	5.25
	MP5A	Mx	003	5.25
3	MP5A	IVIX	11.947	5.25
4	MP5A	7	-6.897	5.25
5	MP5A	Mx	.003	5.25
6	MP5A	IVIX V	50.304	.68
7	MP5A	7	-29.043	.68
8	MP5A		-20.010	



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP5A	Mx	075	.68
10	MP5A	X	50.304	6.16
11	MP5A	Z	-29.043	6.16
12	MP5A	Mx	075	6.16
13	MP5B	X	50.304	.68
14	MP5B	Z	-29.043	.68
15	MP5B	Mx	.026	.68
16	MP5B	X	50.304	6.16
17	MP5B	Z	-29.043	6.16
18	MP5B	Mx	.026	6.16
19	MP5C	X	61.533	.68
20	MP5C	Z	-35.526	.68
21	MP5C	Mx	.046	.68
22	MP5C	X	61.533	6.16
23	MP5C	Z	-35.526	6.16
24	MP5C	Mx	.046	6.16
25	MP5A	X	50.304	.68
26	MP5A	Z	-29.043	.68
27	MP5A	Mx	026	.68
28	MP5A	X	50.304	6.16
29	MP5A	Z	-29.043	6.16
30	MP5A	Mx	026	6.16
31	MP5B	X	50.304	.68
32	MP5B	Z	-29.043	.68
33	MP5B	Mx	.075	.68
34	MP5B	X	50.304	6.16
35	MP5B	Z	-29.043	6.16
36	MP5B	Mx	.075	6.16
37	MP5C	X	61.533	.68
38	MP5C	Z	-35.526	.68
39	MP5C	Mx	071	.68
40	MP5C	X	61.533	6.16
41	MP5C	Z	-35.526	6.16
42	MP5C	Mx	071	6.16
43	MP3A	X	26.119	.62
44	MP3A	Z	-15.08	.62
45	MP3A	Mx	026	.62
46	MP3A	X	26.119	2.55
47	MP3A	Z	-15.08	2.55
48	MP3A	Mx	026	2.55
49	MP3B	X	26.119	.62
50	MP3B	Z	-15.08	.62
51	MP3B	Mx	.026	.62
52	MP3B	X	26.119	2.55
53	MP3B	Z	-15.08	2.55
54	MP3B	Mx	.026	2.55
55	MP3C	X	50.369	
56	MP3C	Ž	-29.081	.62 .62
57	MP3C	Mx	01	.62
58	MP3C	X	50.369	
59	MP3C	Z	-29.081	2.55
60	MP3C	Mx	01	2.55 2.55
61	MP4A	X	15.214	
62	MP4A	Z	-8.784	3.25
63	MP4A	Mx	-8.784 .01	3.25
64	MP4A	X	15 214	3.25
65	MP4A	Z	15.214	3.25
-	MI I/I	-	-8.784	3.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP4A	Mx	.01	3.25 3.25
67	MP4B	X	15.214	
68	MP4B	Z	-8.784	3.25 3.25
69	MP4B	Mx	01	
70	MP4B	X	15.214	3.25 3.25
71	MP4B	Z	-8.784	
72	MP4B	Mx	01	3.25
73	MP4C	X	19.998	3.25
74	MP4C	Z	-11.546	3.25
75	MP4C	Mx	.003	3.25
76	MP4C	X	19.998	3.25
77	MP4C	Z	-11.546	3.25
78	MP4C	Mx	.003	3.25
79	MP3A	X	14.237	3.25
80	MP3A	Z	-8.22	3.25
81	MP3A	Mx	.009	3.25
82	MP3A	X	14.237	3.25
83	MP3A	Z	-8.22	3.25
84	MP3A	Mx	.009	3.25
85	MP3B	X	14.237	3.25
86	MP3B	Z	-8.22	3.25
87	MP3B	Mx	009	3.25
88	MP3B	X	14.237	3.25
89	MP3B	Z	-8.22	3.25
90	MP3B	Mx	009	3.25
91	MP3C	X	19.959	3.25
92	MP3C	Z	-11,523	3.25
93	MP3C	Mx	.003	3.25
94	MP3C	X	19.959	3.25
95	MP3C	Z	-11.523	3.25
	MP3C	Mx	.003	3.25
96 97	MP1A	X	91.696	.17
98	MP1A	Z	-52.94	.17
99	MP1A	Mx	092	.17
	MP1A	X	91.696	5.83
100	MP1A	Z	-52.94	5.83
101	MP1A	Mx	092	5.83
102	MP1B	X	91.696	.17
103	MP1B	Z	-52.94	.17
104	MP1B	Mx	.092	.17
105	MP1B	X	91.696	5.83
106	MP1B	Z	-52.94	5.83
107	MP1B	Mx	.092	5.83
108		X	107,489	.17
109	MP1C	Ž	-62.059	.17
110	MP1C	Mx	0	.17
111	MP1C		107,489	5.83
112	MP1C	X	-62.059	5.83
113	MP1C MP1C	Mx	0	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	8.763	5.25
-	MP5A	7	0	5.25
2	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUM	Mx	002	5.25
3	MP5A	IVIX	8.763	5.25
4	MP5A	X	0.705	



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
5	MP5A MP5A	Z	0	5.25
		Mx	.002	5.25
7	MP5A	X	53.583	.68
8	MP5A	Z	0	.68
9 10	MP5A	Mx	-,054	.68
	MP5A	X	53.583	6.16
11	MP5A	Z	0	6.16
12	MP5A	Mx	054	6.16
13	MP5B	X	67.092	.68
14	MP5B	Z	0	.68
15	MP5B	Mx_	015	.68
16	MP5B	X	67.092	6.16
17	MP5B	Z	0	6.16
18	MP5B	Mx	015	6.16
19	MP5C	X	69.488	.68
20	MP5C	Z	0	.68
21	MP5C	Mx	.078	.68
22	MP5C	X	69.488	6.16
23	MP5C	L Z	0	6.16
24	MP5C	Mx	.078	6.16
25	MP5A	X	53.583	.68
26	MP5A	Z	0	.68
27	MP5A	Mx	054	.68
28	MP5A	X	53.583	6.16
29	MP5A	Z	0	6.16
30	MP5A	Mx	054	6.16
31	MP5B	X	67.092	.68
32	MP5B	Z	0	68
33	MP5B	Mx	.082	.68
34	MP5B	X	67.092	6.16
35	MP5B	Z	0	6.16
36	MP5B	Mx	.082	6.16
37	MP5C	X	69.488	.68
38	MP5C	Z	0	.68
39	MP5C	Mx	031	.68
40	MP5C	X	69.488	6.16
41	MP5C	Z	09.488	
42	MP5C	Mx	031	6.16
43	MP3A	X	20.434	6.16
44	MP3A	Z	0	.62
45	MP3A	Mx	02	.62
46	MP3A	X		.62
47	MP3A	Z	20.434	2.55
48	MP3A	Mx		2.55
49	MP3B	X	02	2.55
.50	MP3B		49.609	.62
51	MP3B	Z	0	.62
52	MP3B	Mx	.025	.62
53	MP3B	X	49.609	2.55
		Z	0	2.55
54	MP3B	Mx	.025	2.55
55	MP3C	X	54.784	.62
56	MP3C	Z	0	.62
57	MP3C	Mx	.019	.62
58	MP3C	X	54.784	2.55
59	MP3C	Z	0	2.55
60	MP3C	Mx	.019	2.55
61	MP4A	X	15.649	3.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP4A	<u>Z</u>	0	3.25 3.25
63	MP4A	Mx	.01	3.25
64	MP4A	X	15.649	
65	MP4A	Z	0	3.25
66	MP4A	Mx	.01	3.25
67	MP4B	X	21.405	3.25
68	MP4B	Z	0	3.25
69	MP4B	Mx	007	3.25
70	MP4B	X	21.405	3.25
71	MP4B	Z	0	3.25
72	MP4B	Mx	007	3.25
73	MP4C	X	22.426	3.25
74	MP4C	Z	0	3.25
75	MP4C	Mx	005	3.25
76	MP4C	X	22.426	3.25
77	MP4C	Z	0	3.25
78	MP4C	Mx	005	3.25
	MP3A	X	14.145	3.25
79	MP3A	Z	0	3.25
80		Mx	.009	3.25
81	MP3A	X	14.145	3.25
82	MP3A	Z	0	3.25
83	MP3A	Mx	.009	3.25
84	MP3A	X	21.029	3.25
85	MP3B	Z	0	3.25
86	MP3B		007	3.25
87	MP3B	Mx	21.029	3.25
88	MP3B	X	0	3.25
89	MP3B		007	3.25
90	MP3B	Mx	22.25	3.25
91	MP3C	X	0	3.25
92	MP3C	Z	005	3.25
93	MP3C	Mx	22.25	3.25
94	MP3C	X		3.25
95	MP3C	Z	0	3.25
96	MP3C	Mx	005	.17
97	MP1A	X	99.802	.17
98	MP1A	Z	0	.17
99	MP1A	Mx	1	5.83
100	MP1A	X	99.802	5.83
101	MP1A	Z	0	5.83
102	MP1A	Mx	1	
103	MP1B	X	118.039	.17
104	MP1B	Z	0	,17
105	MP1B	Mx	.059	.17
106	MP1B	X	118.039	5.83
107	MP1B	Z	0	5.83
108	MP1B	Mx	.059	5.83
109	MP1C	X	118.039	.17
110	MP1C	Z	0	.17
111	MP1C	Mx	.059	.17
112	MP1C	X	118.039	5.83
	MP1C	Ž	0	5.83
113 114	MP1C	Mx	.059	5.83

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

Location[ft,%] Magnitude[lb,k-ft] Direction Member Label



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

4	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	11.947	5.25
2	MP5A		6.897	5.25
3	MP5A	Mx	003	5.25
4	MP5A	X	11.947	5.25
5	MP5A	Z	6.897	5.25
6	MP5A	Mx	.003	5.25
7	MP5A	X	50.304	.68
8	MP5A	Z	29.043	.68
9	MP5A	Mx	026	.68
10	MP5A	X	50.304	6.16
11	MP5A	Z	29.043	6.16
12	MP5A	Mx	026	6.16
13	MP5B	X	62.003	.68
4	MP5B	Z	35.797	.68
5	MP5B	Mx	06	.68
6	MP5B	X	62.003	6.16
7	MP5B	Z	35.797	6.16
8	MP5B	Mx	06	6.16
9	MP5C	X	52.849	.68
20	MP5C	Z	30.512	.68
21	MP5C	Mx	.079	.68
2	MP5C	X	52.849	6.16
23	MP5C	Z	30.512	6.16
4	MP5C	Mx	.079	6.16
5	MP5A	X	50.304	
6	MP5A	Z		.68
7	MP5A	Mx	29.043	.68
28	MP5A	X	075	.68
9	MP5A	Z	50.304	6.16
10	MP5A		29.043	6.16
11	MP5B	Mx	075	6.16
2	MP5B	X	62.003	.68
3	MP5B		35.797	.68
4	MP5B	Mx	.06	.68
5	MP5B	X	62.003	6.16
6		Z	35.797	6.16
7	MP5B	Mx	.06	6.16
	MP5C	X	52.849	.68
8	MP5C	Z	30.512	.68
9	MP5C	Mx	.014	.68
0	MP5C	X	52.849	6.16
1	MP5C	Z	30.512	6.16
2	MP5C	Mx	.014	6.16
3	MP3A	X	26.119	.62
4	MP3A	Z	15.08	.62
5	MP3A	Mx	026	.62
6	MP3A	X	26.119	2.55
7	MP3A	Z	15.08	2.55
8	MP3A	Mx	026	2.55
9	MP3B	X	51.385	.62
0	MP3B	Z	29.667	.62
1	MP3B	Mx	0	.62
2	MP3B	X	51.385	2.55
3	MP3B	Z	29.667	2.55
4	MP3B	Mx	0	2.55
5	MP3C	X	31.616	.62
6	MP3C	Z	18.253	.62
7	MP3C	Mx	.028	.62



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
58	MP3C	X	31.616	2.55 2.55
59	MP3C		18.253	
60	MP3C	Mx	.028	2.55 3.25
61	MP4A	X	15.214	
62	MP4A	Z	8.784	3.25
63	MP4A	Mx	.01	3.25
64	MP4A	X	15.214	3.25
65	MP4A	Z	8.784	3.25
66	MP4A	Mx	.01	3.25
67	MP4B	X	20.199	3.25
68	MP4B	Z	11.662	3.25
69	MP4B	Mx	0	3.25
70	MP4B	X	20.199	3.25
71	MP4B	Z	11.662	3.25
72	MP4B	Mx	0	3.25
73	MP4C	X	16.299	3.25
74	MP4C	Z	9.41	3.25
75	MP4C	Mx	01	3.25
76	MP4C	X	16.299	3.25
77	MP4C	Z	9.41	3.25
78	MP4C	Mx	01	3.25
79	MP3A	X	14.237	3.25
30	MP3A	Z	8.22	3.25
81	MP3A	Mx	.009	3.25
32	MP3A	X	14.237	3.25
33	MP3A	Z	8.22	3.25
84	MP3A	Mx	.009	3,25
85	MP3B	X	20.199	3.25
86	MP3B	Z	11.662	3.25
87	MP3B	Mx	0	3.25
38	MP3B	X	20.199	3.25
89	MP3B	Z	11.662	3.25
90	MP3B	Mx	0	3.25
91	MP3C	X	15.534	3.25
92	MP3C	Z	8.969	3.25
93	MP3C	Mx	009	3.25
94	MP3C	X	15.534	3.25
95	MP3C	Z	8.969	3.25
	MP3C	Mx	009	3.25
96 97	MP1A	X	91.696	.17
98	MP1A	Z	52.94	.17
	MP1A	Mx	092	.17
99		X	91.696	5.83
00	MP1A MP1A	Z	52.94	5.83
01	MP1A	Mx	092	5.83
02		X	107.489	.17
03	MP1B	Ž	62.059	.17
04	MP1B MP1B	Mx	0	.17
05	MP1B	X	107.489	5.83
06	MP1B	Z	62.059	5.83
107	MP1B	Mx	0	5.83
801	MP1B		91.696	.17
109	MP1C	X	52.94	.17
110	MP1C		.092	.17
111	MP1C	Mx	91.696	5.83
112	MP1C	X	52.94	5.83
113	MP1C	Z	.092	5.83
114	MP1C	Mx	.032	0.00



Colliers Engineering & Design enieto Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

1	Member Label MP5A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5A	X	11.929	5.25
3	MP5A	Mx	20.662	5.25
4	MP5A	X	003	5.25
5	MP5A		11.929	5.25
6	MP5A	Z	20.662	5.25
7	MP5A	Mx	.003	5.25
8	MP5A	X	33.546	.68
9		Z	58.103	.68
10	MP5A	Mx	.015	.68
	MP5A	X	33.546	6.16
11 12	MP5A	Z	58.103	6.16
	MP5A	Mx	.015	6.16
13	MP5B	X	33.546	.68
14	MP5B	Z	58.103	.68
15	MP5B	Mx	082	.68
16	MP5B	X	33.546	6.16
17	MP5B	Z	58.103	6.16
18	MP5B	Mx	082	6.16
19	MP5C	<u>X</u>	27.063	.68
20	MP5C	Z	46.874	.68
21	MP5C	Mx	.061	.68
22	MP5C	X	27.063	6.16
23	MP5C	Z	46.874	6.16
24	MP5C	Mx	.061	6.16
25	MP5A	X	33.546	.68
26	MP5A	Z	58.103	.68
27	MP5A	Mx	082	.68
28	MP5A	X	33.546	6.16
29	MP5A	Z	58.103	6.16
30	MP5A	Mx	082	6.16
31	MP5B	X	33.546	.68
32	MP5B	Z	58.103	.68
33	MP5B	Mx	.015	.68
34	MP5B	X	33.546	6.16
35	MP5B	Z	58.103	6.16
36	MP5B	Mx	.015	6.16
37	MP5C	X	27.063	.68
38	MP5C	Z	46.874	.68
39	MP5C	Mx	.045	.68
40	MP5C	X	27.063	6.16
41	MP5C	Z	46.874	6.16
42	MP5C	Mx	.045	6.16
43	MP3A	X	24.805	.62
44	MP3A	Z	42.963	.62
45	MP3A	Mx	025	.62
46	MP3A	X	24.805	2.55
47	MP3A	Z	42.963	2.55
48	MP3A	Mx	025	2.55
49	MP3B	X	24.805	.62
50	MP3B	Z	42.963	.62
51	MP3B	Mx	025	.62
52	MP3B		24.805	2.55
53	MP3B	X	42.963	
54	MP3B	Mx	025	2.55 2.55
55	MP3C	X	10.804	.62
56	MP3C	Z	18.712	
57	MP3C	Mx	.021	.62
		IVIA	.021	.62



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: Project No. 10207141 : 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	10.804	2.55
59	MP3C	Z	18.712	2.55
60	MP3C	Mx	.021	2.55
61	MP4A	X	10.702	3.25
62	MP4A	Z	18.537	3,25
63	MP4A	Mx	.007	3,25
64	MP4A	X	10.702	3,25
65	MP4A	Z	18.537	3.25
66	MP4A	Mx	.007	3.25
67	MP4B	X	10,702	3.25
	MP4B	Z	18.537	3.25
68 69	MP4B	Mx	.007	3.25
	MP4B	X	10.702	3.25
70	MP4B	Ž	18.537	3.25
71		Mx	.007	3.25
72	MP4B	X	7.94	3.25
73	MP4C	Ž	13.753	3.25
74	MP4C		01	3.25
75	MP4C	Mx	7.94	3.25
76	MP4C	X	13.753	3.25
77	MP4C	Z	01	3.25
78	MP4C	Mx	10.514	3.25
79	MP3A	X		3.25
80	MP3A	Z	18.211	3.25
81	MP3A	Mx	.007	3.25
82	MP3A	X	10.514	3.25
83	MP3A	Z	18.211	
84	MP3A	Mx	.007	3.25
85	MP3B	X	10.514	3.25
86	MP3B	Z	18.211	3.25
87	MP3B	Mx	.007	3.25
88	MP3B	X	10.514	3.25
89	MP3B	Z	18.211	3.25
90	MP3B	Mx	.007	3.25
91	MP3C	X	7.211	3.25
92	MP3C	Z	12.489	3.25
93	MP3C	Mx	009	3.25
94	MP3C	X	7.211	3.25
95	MP3C	Z	12.489	3.25
96	MP3C	Mx	009	3.25
97	MP1A	X	59.019	.17
98	MP1A	Z	102.225	.17
99	MP1A	Mx	059	.17
100	MP1A	X	59.019	5.83
101	MP1A	Z	102.225	5.83
102	MP1A	Mx	059	5.83
103	MP1B	X	59.019	.17
104	MP1B	Z	102.225	.17
105	MP1B	Mx	059	.17
106	MP1B	X	59.019	5.83
107	MP1B	Z	102.225	5.83
	MP1B	Mx	059	5.83
108		X	49.901	.17
109	MP1C	Ž	86,431	.17
110	MP1C	Mx	,1	.17
111	MP1C	X	49.901	5.83
112	MP1C	Z	86.431	5.83
113	MP1C		1	5.83
114	MP1C	Mx		ZW MT LO H r3dl Page 29



: Colliers Engineering & Design : enieto : Project No. 10207141 : 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

1	Member Label MP5A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5A	X	0	5.25
3	MP5A MP5A		28.891	5.25
4	MP5A	Mx	0	5.25
5		X	0	5.25
	MP5A	Z	28.891	5.25
6 7	MP5A	Mx	0	5.25
	MP5A	X	0	.68
8	MP5A	Z	71.595	.68
9	MP5A	Mx	.06	.68
10	MP5A	X	0	6.16
11	MP5A	Z	71.595	6.16
12	MP5A	Mx	.06	6.16
13	MP5B	X	0	.68
14	MP5B	Z	58.086	.68
15	MP5B	Mx	075	.68
16	MP5B	X	0	6.16
17	MP5B	Z	58.086	6.16
18	MP5B	Mix	075	6.16
19	MP5C	X	0	.68
20	MP5C	Z	55.69	.68
21	MP5C	Mx	.036	.68
22	MP5C	X	0	6.16
23	MP5C	Z	55.69	6.16
24	MP5C	Mx	.036	6.16
25	MP5A	X	0	.68
26	MP5A	Z	71.595	.68
27	MP5A	Mx	06	.68
28	MP5A	X	0	6.16
29	MP5A	Z	71.595	6.16
30	MP5A	Mx	-,06	6.16
31	MP5B	X	0	.68
32	MP5B	Z	58.086	.68
33	MP5B	Mx	026	.68
34	MP5B	X	0	6.16
35	MP5B	Z	58.086	6.16
36	MP5B	Mx	026	6.16
37	MP5C	X	0	.68
38	MP5C	Z	55.69	.68
39	MP5C	Mx	.068	.68
40	MP5C	X	0	6.16
41	MP5C	Z	55.69	6.16
42	MP5C	Mx	.068	6.16
43	MP3A	X	0	.62
44	MP3A	Z	59.334	.62
45	MP3A	Mx	0	.62
46	MP3A	X	0	2.55
47	MP3A	Z	59.334	2.55
48	MP3A	Mx	0	2.55
49	MP3B	X	0	.62
50	MP3B	Z	30.159	.62
51	MP3B	Mx	026	.62
52	MP3B	X	0	2.55
53	MP3B	Z	30.159	2.55
54	MP3B	Mx	026	2.55
55	MP3C	X	-:026	.62
56	MP3C	Z	24.985	.62
57	MP3C	Mx	.023	.62
	50	IVIA	.020	.02



: Colliers Engineering & Design enieto : Project No. 10207141 : 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	0	2.55
59	MP3C	X	24.985	2.55
60	MP3C	Mx	.023	2.55
61	MP4A	X	0	3.25
62	MP4A	Z	23.324	3.25
	MP4A	Mx	0	3.25
63		X	0	3.25
64	MP4A	Z	23.324	3.25
65	MP4A		0	3.25
36	MP4A	Mx	0	3.25
37	MP4B	X	17.568	3.25
68	MP4B	Z	.01	3.25
69	MP4B	Mx	.01	3.25
70	MP4B	X		3.25
71	MP4B	Z	17.568	3.25
72	MP4B	Mx		3.25
73	MP4C	X	0	
74	MP4C	Z	16.547	3.25
75	MP4C	Mx	01	3.25
76	MP4C	X	0	3.25
77	MP4C	Z	16.547	3.25
78	MP4C	Mx	01	3.25
79	MP3A	X	0	3.25
80	MP3A	Z	23.324	3.25
	MP3A	Mx	0	3.25
81		X	0	3.25
82	MP3A	Z	23.324	3.25
83	MP3A		0	3.25
84	MP3A	Mx	0	3.25
85	MP3B	X	16.439	3.25
86	MP3B	Z		3.25
87	MP3B	Mx	.009	3.25
88	MP3B	X	0	3.25
89	MP3B	Z	16.439	
90	MP3B	Mx	.009	3.25
91	MP3C	X	0	3.25
92	MP3C	Z	15.218	3.25
93	MP3C	Mx	01	3.25
94	MP3C	X	0	3.25
95	MP3C	Z	15.218	3.25
96	MP3C	Mx	01	3.25
97	MP1A	X	0	.17
	MP1A	Z	124.118	.17
98		Mx	0	.17
99	MP1A		Ö	5.83
100	MP1A	X	124.118	5.83
101	MP1A	Z	0	5.83
102	MP1A	Mx		.17
103	MP1B	X	0	.17
104	MP1B	Z	105.881	.17
105	MP1B	Mx	092	
06	MP1B	X	0	5.83
107	MP1B	Z	105.881	5.83
108	MP1B	Mx	092	5.83
109	MP1C	X	0	.17
110	MP1C	Z	105.881	.17
111	MP1C	Mx	.092	.17
	MP1C	X	0	5.83
112		Z	105.881	5.83
113	MP1C MP1C	Mx	.092	5.83



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Project No. 10207141 5000382880-VZW_MT_LO_H July 22, 2023 4:07 PM Checked By:___

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP5A	X	-11.929	5.25
2	MP5A		20.662	5.25
3	MP5A	Mx	.003	5.25
4	MP5A	X	-11.929	5.25
5	MP5A	Z	20.662	5.25
6	MP5A	Mx	003	5.25
7	MP5A	X	-33.546	.68
8	MP5A	Z	58.103	.68
9	MP5A	Mx	.082	.68
10	MP5A	X	-33.546	6.16
11	MP5A	Z	58.103	6.16
12	MP5A	Mx	.082	6.16
13	MP5B	X	-26.791	.68
14	MP5B	Z	46.404	.68
15	MP5B	Mx	054	.68
16	MP5B	X	-26.791	6.16
17	MP5B	Z	46.404	6.16
18	MP5B	Mx	054	6.16
19	MP5C	X	-32.076	.68
20	MP5C	Z	55.558	.68
21	MP5C	Mx	.000284	.68
22	MP5C	X	-32.076	6.16
23	MP5C	Z	55.558	6.16
24	MP5C	Mx	.000284	6.16
25	MP5A	X	-33.546	.68
26	MP5A	Z	58.103	.68
27	MP5A	Mx	015	.68
28	MP5A	X	-33.546	6.16
29	MP5A	Z	58.103	6.16
30	MP5A	Mx	015	6.16
31	MP5B	X	-26.791	.68
32	MP5B	Z	46.404	.68
33	MP5B	Mx	054	.68
34	MP5B	X	-26.791	6.16
35	MP5B	Z	46.404	6.16
36	MP5B	Mx	054	6.16
37	MP5C	X	-32.076	.68
38	MP5C	Z	55.558	.68
39	MP5C	Mx	.082	.68
40	MP5C	X	-32.076	6.16
41	MP5C	Z	55.558	6.16
42	MP5C	Mx	.082	6.16
43	MP3A	X	-24.805	.62
44	MP3A	Z	42.963	.62
45	MP3A	Mx	.025	.62
46	MP3A	X	-24.805	2.55
47	MP3A	Z	42.963	2.55
48	MP3A	Mx	.025	2.55
49	MP3B	X	-10.217	.62
50	MP3B	Z	17.696	.62
51	MP3B	Mx	02	.62
52	MP3B	X	-10.217	2.55
53	MP3B	Z	17.696	2.55
54	MP3B	Mx	02	
55	MP3C	X	02 -21.631	2.55 .62
56	MP3C	Z	37.466	
57	MP3C	Mx	.028	.62
	IVII OO	IVIA	.020	.62



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enieto : Project No. 10207141 : 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

Me	mber Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-21.631	2.55
59	MP3C	Z	37.466	2.55
60	MP3C	Mx	.028	2.55
51	MP4A	X	-10.702	3.25
62	MP4A	Z	18.537	3.25
63	MP4A	Mx	007	3.25
64	MP4A	X	-10.702	3.25
65	MP4A	Z	18.537	3.25
66	MP4A	Mx	007	3.25
57	MP4B	X	-7.825	3.25
58	MP4B	Z	13.553	3.25
69	MP4B	Mx	.01	3.25
70	MP4B	X	-7.825	3.25
71	MP4B	Z	13.553	3.25
72	MP4B	Mx	.01	3.25
	MP4C	X	-10.076	3.25
73 74	MP4C	Z	17.453	3.25
	MP4C	Mx	009	3.25
75		X	-10.076	3.25
76	MP4C	Z	17.453	3.25
77	MP4C	Mx	009	3.25
78	MP4C	X	-10.514	3.25
79	MP3A	Ž	18,211	3.25
30	MP3A		007	3.25
81	MP3A	Mx	-10.514	3.25
82	мРЗА	X	18.211	3.25
83	MP3A	Z	007	3.25
84	MP3A	Mx	-7.072	3.25
85	MP3B	<u> </u>		3.25
86	MP3B	Z	12.25	3.25
87	MP3B	Mx	.009	3.25
88	MP3B	X	-7.072	3.25
89	MP3B	Z	12.25	3.25
90	MP3B	Mx	.009	3.25
91	MP3C	X	-9.766	
92	MP3C	Z	16.914	3.25
93	MP3C	Mx	008	3.25
94	MP3C	X	-9.766	3.25
95	MP3C	Z	16.914	3.25
96	MP3C	Mx	008	3.25
97	MP1A	X	-59.019	.17
98	MP1A	Z	102.225	.17
99	MP1A	Mx	.059	.17
00	MP1A	X	-59.019	5.83
01	MP1A	Ž	102.225	5.83
102	MP1A	Mx	.059	5.83
103	MP1B	X	-49.901	.17
	MP1B	Z	86.431	.17
104	MP1B	Mx	1	.17
105		X	-49.901	5.83
106	MP1B	Ž	86.431	5.83
107	MP1B	Mx	1	5.83
108	MP1B		-59.019	.17
109	MP1C	X	102.225	.17
110	MP1C	Z	.059	.17
111	MP1C	Mx	-59.019	5.83
112	MP1C	X		5.83
113	MP1C	Z	102.225 .059	5.83
114	MP1C	Mx	.009 .009 .000 .000 .000 .000 .000 .000	



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July 22, 2023 4:07 PM Checked By:_

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

1	Member Label MP5A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5A	X	-11.947	5.25
3			6.897	5,25
4	MP5A MP5A	Mx	.003	5.25
	MP5A	X	-11.947	5.25
5		Z	6.897	5.25
7	MP5A	Mx	003	5.25
8	MP5A	X	-50.304	.68
	MP5A	Z	29.043	.68
9	MP5A	Mx	.075	.68
10	MP5A	X	-50.304	6.16
11 12	MP5A		29.043	6.16
	MP5A	Mx	.075	6.16
13	MP5B	X	-50.304	.68
14	MP5B		29.043	.68
15	MP5B	Mx	026	.68
16	MP5B	X	-50.304	6.16
17	MP5B	Z	29.043	6.16
18	MP5B	Mx	026	6.16
19	MP5C	<u>X</u>	-61.533	.68
20	MP5C	Z	35.526	.68
21	MP5C	Mx	046	.68
22	MP5C	X	-61.533	6.16
23	MP5C	Z	35.526	6.16
24	MP5C	Mx	046	6.16
25	MP5A	X	-50.304	.68
26	MP5A	Z	29.043	.68
27	MP5A	Mx	.026	.68
28	MP5A	X	-50.304	6.16
29	MP5A	Z	29.043	6.16
30	MP5A	Mx	.026	6.16
31	MP5B	X	-50.304	.68
32	MP5B	Z	29.043	.68
33	MP5B	Mx	075	.68
34	MP5B	X	-50.304	6.16
35	MP5B	Z	29.043	6.16
36	MP5B	Mx	075	6.16
37	MP5C	X	-61.533	.68
38	MP5C	Z	35.526	.68
39	MP5C	Mx	.071	.68
40	MP5C	X	-61.533	6.16
41	MP5C	Z	35.526	6.16
42	MP5C	Mx	.071	6.16
43	MP3A	X	-26.119	.62
44	MP3A		15.08	.62
45	MP3A	Mx	.026	.62
46	MP3A	X	-26.119	2.55
47	MP3A	Z	15.08	2.55
48	MP3A	Mx	.026	2.55
49	MP3B	X	-26.119	.62
50	MP3B	Z	15.08	.62
51	MP3B	Mx	026	.62
52	MP3B	X	-26.119	2.55
53	MP3B	Z	15.08	2.55
54	MP3B	Mx	026	2.55
55	MP3C	X	-50.369	.62
56	MP3C	Z	29.081	.62
57	MP3C	Mx	01	.62



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Wo (240 Deg)) (Continued) Magnitude[lb.k-ft]	Location[ft,%]
58	MP3C	X	-50.369	2.55
59	MP3C	X	29.081	2.55
30	MP3C	Mx	.01	2.55
31	MP4A	X	-15.214	3,25
	MP4A	Z	8.784	3.25
52	MP4A	Mx	01	3.25
33		X	-15.214	3.25
34	MP4A	Z	8.784	3.25
35	MP4A	Mx	01	3.25
36	MP4A		-15.214	3.25
37	MP4B	X	8.784	3.25
86	MP4B		.01	3.25
69	MP4B	Mx	-15.214	3.25
70	MP4B	X		3.25
71	MP4B	Z	8.784	3.25
72	MP4B	Mx	.01	3.25
73	MP4C	X	-19.998	3.25
74	MP4C	Z	11.546	
75	MP4C	Mx	003	3.25
76	MP4C	X	-19.998	3.25
77	MP4C	Z	11.546	3.25
78	MP4C	Mx	003	3.25
	MP3A	X	-14.237	3,25
79	MP3A	Ž	8.22	3.25
30		Mx	009	3.25
31	MP3A	X	-14.237	3.25
32	MP3A	Z	8.22	3.25
33	MP3A		009	3.25
34	MP3A	Mx	-14.237	3,25
35	MP3B	<u>X</u>	8.22	3,25
36	MP3B	Z	.009	3.25
37	MP3B	Mx		3.25
38	MP3B	X	-14.237	3.25
89	MP3B	Z	8.22	3.25
90	MP3B	Mx	.009	3.25
91	MP3C	X	-19.959	
92	MP3C	Z	11.523	3.25
93	MP3C	Mx	003	3.25
94	MP3C	X	-19.959	3.25
95	MP3C	Z	11.523	3.25
		Mx	003	3.25
96	MP3C	X	-91.696	.17
97	MP1A	Z	52.94	,17
98	MP1A	Mx	.092	.17
99	MP1A		-91.696	5.83
00	MP1A	X	52.94	5.83
.01	MP1A	Z	.092	5.83
02	MP1A	Mx	-91.696	.17
03	MP1B	X		.17
04	MP1B	Z	52.94	.17
05	MP1B	Mx	092	5.83
06	MP1B	X	-91.696	5.83
07	MP1B	Z	52.94	
108	MP1B	Mx	092	5.83
109	MP1C	X	-107.489	.17
110	MP1C	Ž	62.059	.17
	MP1C	Mx	0	.17
111	MP1C	X	-107.489	5.83
		Z	62.059	5.83
113	MP1C MP1C	Mx	0	5.83



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	<u> </u>	-8.763	5.25
2	MP5A	Z	0	5.25
3	MP5A	Mx	.002	5.25
4	MP5A	X	-8.763	5.25
5	MP5A	Z	0	5.25
6	MP5A	Mx	002	5.25
7	MP5A	X	-53.583	.68
8	MP5A	Z	0	.68
9	MP5A	Mx	.054	.68
10	MP5A	X	-53.583	6.16
11	MP5A	Z	0	6.16
12	MP5A	Mx	.054	6.16
13	MP5B	X	-67.092	.68
14	MP5B	Z	0	.68
15	MP5B	Mx	.015	.68
16	MP5B	X	-67.092	6.16
17	MP5B	Z	0	6.16
18	MP5B	Mx	.015	6.16
19	MP5C	X	-69.488	.68
20	MP5C	Z	0	.68
21	MP5C	Mx	078	.68
22	MP5C	X	-69,488	6.16
23	MP5C	Z	0	6.16
24	MP5C	Mx	078	6.16
25	MP5A	X	-53.583	.68
26	MP5A	Z	0	.68
27	MP5A	Mx	.054	.68
28	MP5A	X	-53.583	6.16
29	MP5A	Z	0	6.16
30	MP5A	Mx	.054	6.16
31	MP5B	X	-67.092	.68
32	MP5B	Z	0	.68
33	MP5B	Mx	082	.68
34	MP5B	X	-67.092	6.16
35	MP5B	Z	0	6.16
36	MP5B	Mx	082	6.16
37	MP5C	X	-69.488	.68
38	MP5C	Z	0	.68
39	MP5C	Mx	.031	.68
40	MP5C	X	-69,488	6.16
41	MP5C	Z	0	6.16
2	MP5C	Mx	.031	6.16
13	MP3A	X	-20.434	.62
14	MP3A	Z	0	.62
15	MP3A	Mx	.02	
16	MP3A	X	-20.434	.62
7	MP3A	Z	-20.434	2.55
8	MP3A	Mx	.02	2.55
9	MP3B	X		2.55
0	MP3B	Ž	-49.609	.62
51	MP3B	Mx	0	.62
2	MP3B	X	025	.62
3	MP3B	Z	-49.609	2.55
4	MP3B		0	2.55
55	MP3C	Mx	025	2.55
		X	-54.784	.62
56	MP3C	Z	0	.62
57	MP3C	Mx	019	.62



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: Project No. 10207141 : 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-54.784	2.55
59	MP3C	Z	0	2.55
60	MP3C	Mx	019	2.55
61	MP4A	X	-15.649	3.25
62	MP4A	Z	0	3.25
63	MP4A	Mx	01	3.25
64	MP4A	X	-15.649	3.25
65	MP4A	Z	0	3.25
66	MP4A	Mx	-,01	3.25
67	MP4B	X	-21.405	3.25
68	MP4B	Z	0	3.25
69	MP4B	Mx	.007	3.25
70	MP4B	X	-21.405	3.25
71	MP4B	Z	0	3.25
72	MP4B	Mx	.007	3.25
73	MP4C	X	-22.426	3.25
74	MP4C	Z	0	3.25
75	MP4C	Mx	.005	3.25
76	MP4C	X	-22.426	3.25
77	MP4C	Z	0	3.25
78	MP4C	Mx	.005	3.25
79	MP3A	X	-14.145	3.25
80	MP3A	Z	0	3.25
81	MP3A	Mx	009	3.25
82	MP3A	X	-14.145	3.25
83	MP3A	Z	0	3.25
84	MP3A	Mx	009	3.25
85	MP3B	X	-21.029	3.25
86	MP3B	Z	0	3.25
87	MP3B	Mx	.007	3.25
88	MP3B	X	-21.029	3.25
89	MP3B	Z	0	3.25
90	MP3B	Mx	.007	3.25
91	MP3C	X	-22.25	3.25
92	MP3C	Z	0	3.25
93	MP3C	Mx	.005	3.25
	MP3C	X	-22.25	3.25
94 95	MP3C	Z	0	3.25
96	MP3C	Mx	.005	3.25
96	MP1A	X	-99.802	.17
	MP1A	Z	0	.17
98	MP1A MP1A	Mx	.1	.17
	MP1A	X	-99.802	5.83
100		Z	0	5.83
101	MP1A MP1A	Mx	j	5.83
102		X	-118.039	.17
103	MP1B	Z	0	.17
104	MP1B	Mx	059	.17
105	MP1B	X	-118.039	5.83
106	MP1B	Z	0	5.83
107	MP1B	Mx	059	5.83
108	MP1B		-118.039	.17
109	MP1C	X	0	.17
110	MP1C	Z	059	.17
111	MP1C	Mx	-118.039	5.83
112	MP1C	X	0	5.83
113	MP1C	Z	059	5.83
114	MP1C	Mx	039	



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

1	Member Label MP5A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5A	X	-11.947	5.25
3	MP5A		-6.897	5.25
4	MP5A	Mx	.003	5.25
5	MP5A	X	-11.947	5.25
6	MP5A	Z	-6.897	5.25
7		Mx	003	5.25
	MP5A	X	-50.304	.68
8	MP5A	Z	-29.043	.68
9	MP5A	Mx	.026	.68
10	MP5A	X	-50.304	6.16
11	MP5A	Z	-29.043	6.16
12	MP5A	Mx	.026	6.16
13	MP5B	X	-62.003	.68
14	MP5B	Z	-35.797	.68
15	MP5B	Mx	.06	.68
16	MP5B	X	-62.003	6.16
17	MP5B	Z	-35.797	6.16
18	MP5B	Mx	.06	6.16
19	MP5C	X	-52.849	.68
20	MP5C	Z	-30.512	.68
21	MP5C	Mx	079	.68
22	MP5C	X	-52.849	6.16
23	MP5C	Z	-30.512	6.16
24	MP5C	Mx	079	6.16
25	MP5A	X	-50.304	.68
26	MP5A	Z	-29.043	.68
27	MP5A	Mx	.075	.68
28	MP5A	X	-50.304	6.16
29	MP5A	Ž	-29.043	6.16
30	MP5A	Mx	.075	6.16
31	MP5B	X	-62.003	.68
32	MP5B	Z	-35.797	.68
33	MP5B	Mx	06	.68
34	MP5B	X	-62.003	6.16
35	MP5B	Z	-35.797	
36	MP5B	Mx	06	6.16
37	MP5C	X	-52.849	6.16
38	MP5C	Z		.68
39	MP5C	Mx	-30.512 014	.68
10	MP5C	X		.68
11	MP5C	Z	-52.849	6.16
12	MP5C	Mx	-30.512	6.16
13	MP3A		014	6.16
14	MP3A	X	-26.119	.62
15	MP3A	Z	-15.08	.62
16		Mx	.026	.62
7	MP3A	X	-26.119	2.55
	MP3A	Z	-15.08	2.55
8	MP3A	Mx	.026	2.55
9	MP3B	X	-51.385	.62
0	MP3B	Z	-29.667	.62
1	MP3B	Mx	0	.62
2	MP3B	X	-51.385	2.55
3	MP3B	Z	-29.667	2.55
4	MP3B	Mx	0	2.55
5	MP3C	X	-31.616	.62
6	MP3C	Z	-18.253	.62
57	MP3C	Mx	028	.62



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July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP3C	X	-31.616	2.55
59	MP3C	Z	-18.253	2.55
60	MP3C	Mx	028	2.55
61	MP4A	X	-15.214	3.25
62	MP4A	Z	-8.784	3.25
63	MP4A	Mx	01	3.25
64	MP4A	X	-15.214	3.25
65	MP4A	Z	-8.784	3.25
66	MP4A	Mx	01	3.25
67	MP4B	X	-20.199	3.25
68	MP4B	Z	-11,662	3.25
69	MP4B	Mx	0	3.25
70	MP4B	X	-20.199	3.25
71	MP4B	Z	-11,662	3.25
72	MP4B	Mx	0	3.25
73	MP4C	X	-16.299	3.25
74	MP4C	Z	-9.41	3.25
	MP4C	Mx	.01	3.25
75 76	MP4C	X	-16.299	3.25
76	MP4C	Z	-9.41	3.25
77	MP4C MP4C	Mx	.01	3.25
78		X	-14.237	3.25
79	MP3A	Z	-8.22	3.25
80	MP3A		009	3.25
81	MP3A	Mx	-14.237	3.25
82	MP3A	X	-8.22	3.25
83	MP3A	Z	009	3.25
84	MP3A	Mx	-20.199	3.25
85	MP3B	<u> </u>		3.25
86	MP3B	Z	-11.662	3.25
87	MP3B	Mx	0	3.25
88	MP3B	X	-20.199	3.25
89	MP3B	Z	-11.662	3.25
90	MP3B	Mx	0	3.25
91	MP3C	X	-15.534	
92	MP3C	Z	-8.969	3.25
93	MP3C	Mx	.009	3.25
94	MP3C	X	-15.534	3.25
95	MP3C	Z	-8.969	3.25
96	MP3C	Mx	.009	3.25
97	MP1A	X	-91.696	.17
98	MP1A	Z	-52.94	.17
99	MP1A	Mx	.092	.17
100	MP1A	X	-91.696	5.83
101	MP1A	Z	-52.94	5.83
102	MP1A	Mx	.092	5.83
103	MP1B	X	-107.489	.17
	MP1B	Z	-62.059	.17
104	MP1B	Mx	0	.17
105	MP1B	X	-107.489	5.83
106		Z	-62.059	5.83
107	MP1B	Mx	0	5.83
108	MP1B		-91.696	.17
109	MP1C	X	-52.94	.17
110	MP1C		-32.94	.17
111	MP1C	Mx	-91.696	5.83
112	MP1C	X		5.83
113	MP1C	Z	-52.94	5.83
114	MP1C	Mx	092	0.00



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

1	Member Label MP5A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5A	X	-11.929	5.25
3	MP5A	Z	-20.662	5.25
4	MP5A	Mx	.003	5.25
5		X	-11.929	5.25
6	MP5A	Z	-20.662	5.25
7	MP5A MP5A	Mx	003	5.25
8		X	-33.546	.68
	MP5A	Z	-58.103	.68
9	MP5A	Mx	015	.68
11	MP5A	X	-33.546	6.16
12	MP5A	Z	-58.103	6.16
	MP5A	Mx	015	6.16
13	MP5B	X	-33.546	.68
14	MP5B	Z	-58.103	.68
15	MP5B	Mx	.082	.68
16	MP5B	X	-33.546	6.16
17	MP5B	Z	-58.103	6.16
18	MP5B	Mx	.082	6.16
19	MP5C	<u>X</u>	-27.063	.68
20	MP5C	Z	-46.874	.68
21	MP5C	Mx	061	.68
22	MP5C	X	-27.063	6.16
23	MP5C	Z	-46.874	6.16
24	MP5C	Mx	061	6.16
25	MP5A	X	-33.546	.68
26	MP5A	Z	-58.103	.68
27	MP5A	Mx	.082	.68
28	MP5A	X	-33.546	6.16
29	MP5A	Z	-58.103	6.16
30	MP5A	Mx	.082	6.16
31	MP5B	X	-33.546	.68
32	MP5B	Z	-58.103	.68
33	MP5B	Mx	015	.68
34	MP5B	X	-33.546	6.16
35	MP5B	Z	-58.103	6.16
36	MP5B	Mx	015	6.16
37	MP5C	X	-27.063	.68
38	MP5C	Z	-46.874	.68
39	MP5C	Mx	045	.68
40	MP5C	X	-27.063	6.16
41	MP5C	Z	-46.874	6.16
42	MP5C	Mx	045	6.16
43	MP3A	X	-24.805	.62
44	MP3A	Z	-42.963	.62
45	MP3A	Mx	.025	.62
46	MP3A	X	-24.805	2.55
47	MP3A	Z	-42.963	2.55
48	MP3A	Mx	.025	2.55
49	MP3B	X	-24.805	.62
50	MP3B	Z	-42.963	.62
51	MP3B	Mx	.025	.62
52	MP3B	X	-24.805	2.55
53	MP3B	Z	-42.963	2.55
54	MP3B	Mx	.025	2.55
55	MP3C	X	-10.804	.62
56	MP3C	Z	-18.712	.62
57	MP3C	Mx	021	.62



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July 22, 2023 4:07 PM Checked By:_

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

58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 96 97	MP3C MP3C MP3C MP3C MP3C MP4A MP4A MP4A MP4A MP4A MP4A MP4A MP4B MP4B MP4B MP4B MP4B MP4C MP4C MP4C MP4C MP4C MP3A MP3A MP3A MP3A MP3A MP3A MP3A MP3A	X Z Mx	-10.804 -18.712021 -10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -7.94 -13.753 .01 -7.94 -13.753 .01 -7.94 -13.753 .01 -10.514 -18.211007 -10.514	2.55 2.55 2.55 2.55 3.25 3.25 3.25 3.25
59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP3C MP3C MP4A MP4A MP4A MP4A MP4A MP4A MP4A MP4A	Mx X Z	021 -10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -7.94 -13.753 .01 -7.94 -13.753 .01 -7.94 -13.753 .01 -7.94 -13.753 .01 -7.94 -13.753	2.55 3.25 3.25 3.25 3.25 3.25 3.25 3.25
60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP3C MP4A MP4A MP4A MP4A MP4A MP4A MP4A MP4B MP4B MP4B MP4B MP4B MP4C MP4C MP4C MP4C MP4C MP4C MP4C MP4C	X Z Mx X Z	-10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -7.94 -13.753 .01 -7.94 -13.753 .01 -7.94 -13.753 .01 -10.514 -18.211007 -10.514	3.25 3.25
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4A MP4A MP4A MP4A MP4A MP4A MP4A MP4A	Z Mx X Z	-18.537007 -10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -7.94 -13.753 .01 -7.94 -13.753 .01 -7.94 -13.753 .01 -10.514 -18.211007 -10.514	3.25 3.25
62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4A MP4A MP4A MP4A MP4A MP4A MP4A MP4B MP4B MP4B MP4B MP4B MP4C MP4C MP4C MP4C MP4C MP4C MP4C MP4C	Mx X Z	007 -10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -7.94 -13.753 .01 -7.94 -13.753 .01 -7.94 -13.753 .01 -10.514 -18.211007 -10.514	3.25 3.25
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4A MP4A MP4A MP4A MP4A MP4B MP4B MP4B MP4B MP4B MP4C MP4C MP4C MP4C MP4C MP4C MP4C MP4C	X Z Mx X Z	-10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -10.702 -18.537007 -7.94 -13.753 .01 -7.94 -13.753 .01 -7.94 -13.753 .01 -10.514 -18.211007 -10.514	3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25
64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4A MP4A MP4A MP4A MP4B MP4B MP4B MP4B MP4B MP4B MP4C MP4C MP4C MP4C MP4C MP4C MP4C MP4C	Z Mx X Z	-18.537007 -10.702 -18.537007 -10.702 -18.537007 -18.537007 -7.94 -13.753 .01 -7.94 -13.753 .01 -10.514 -18.211007 -10.514	3.25 3.25
65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4A MP4A MP4B MP4B MP4B MP4B MP4B MP4B MP4C MP4C MP4C MP4C MP4C MP4C MP4C MP4AC MP4C MP4AC MP4A	Mx X Z	007 -10.702 -18.537007 -10.702 -18.537007 -7.94 -13.753 .01 -7.94 -13.753 .01 -7.94 -13.753 .01 -10.514 -18.211007 -10.514	3.25 3.25
66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4A MP4B MP4B MP4B MP4B MP4B MP4B MP4C MP4C MP4C MP4C MP4C MP4C MP4C MP4AC MP4C MP4AC MP4	X Z Mx X Z	-10.702 -18.537007 -10.702 -18.537007 -7.94 -13.753 .01 -7.94 -13.753 .01 -10.514 -18.211007 -10.514	3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25
67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4B MP4B MP4B MP4B MP4B MP4B MP4C MP4C MP4C MP4C MP4C MP4C MP4C MP4AC MP4C MP4AC MP3A MP3A MP3A MP3A	X Z Mx X Z	-18.537007 -10.702 -18.537007 -7.94 -13.753 .01 -7.94 -13.753 .01 -10.514 -18.211007 -10.514	3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25
68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4B MP4B MP4B MP4B MP4B MP4C MP4C MP4C MP4C MP4C MP4C MP4C MP4AC MP3A MP3A MP3A MP3A MP3A	Z Mx X X Z Mx X Z Mx X X X X X X X X X X X X X X X X X X	007 -10.702 -18.537007 -7.94 -13.753 .01 -7.94 -13.753 .01 -10.514 -18.211007 -10.514	3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25
69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4B MP4B MP4B MP4B MP4C MP4C MP4C MP4C MP4C MP4C MP4C MP4AC MP4AC MP4AC MP3A MP3A MP3A MP3A MP3A MP3A	Mx X Z	-10.702 -18.537 007 -7.94 -13.753 .01 -7.94 -13.753 .01 -10.514 -18.211 007 -10.514	3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25
70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4B MP4B MP4B MP4C MP4C MP4C MP4C MP4C MP4C MP4C MP4AC MP4C MP3A MP3A MP3A MP3A MP3A MP3A	X Z Mx X Z	-18.537007 -7.94 -13.753 .01 -7.94 -13.753 .01 -10.514 -18.211007 -10.514	3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25
71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4B MP4B MP4C MP4C MP4C MP4C MP4C MP4C MP4C MP4C	Z Mx X Z Mx X Z Mx X Z Mx X Z	007 -7.94 -13.753 .01 -7.94 -13.753 .01 -10.514 -18.211 007 -10.514	3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25
72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4B MP4C MP4C MP4C MP4C MP4C MP4C MP4C MP3A MP3A MP3A MP3A MP3A MP3A	Mx X Z X Z	007 -7.94 -13.753 .01 -7.94 -13.753 .01 -10.514 -18.211 007 -10.514	3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25
73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4C MP4C MP4C MP4C MP4C MP4C MP3A MP3A MP3A MP3A MP3A MP3A	X Z Mx X Z Mx X Z Mx X Z Mx X Z	-7.94 -13.753 .01 -7.94 -13.753 .01 -10.514 -18.211 007 -10.514	3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25
74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4C MP4C MP4C MP4C MP4C MP3A MP3A MP3A MP3A MP3A MP3A	Z Mx X Z Mx X Z Mx X Z Mx X Z	-13.753 .01 -7.94 -13.753 .01 -10.514 -18.211 007 -10.514	3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25
75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95	MP4C MP4C MP4C MP4C MP3A MP3A MP3A MP3A MP3A MP3A	Mx X Z Mx X Z Mx X Z Mx Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	.01 -7.94 -13.753 .01 -10.514 -18.211 007 -10.514	3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25
76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4C MP4C MP4C MP3A MP3A MP3A MP3A MP3A MP3A	X Z Mx X Z Mx X Z Mx Z Z Z	-7.94 -13.753 .01 -10.514 -18.211 007 -10.514	3.25 3.25 3.25 3.25 3.25 3.25 3.25 3.25
77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4C MP4C MP3A MP3A MP3A MP3A MP3A MP3A	Z Mx X Z Mx X Z	-13.753 .01 -10.514 -18.211 007 -10.514	3.25 3.25 3.25 3.25 3.25 3.25 3.25
78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP4C MP3A MP3A MP3A MP3A MP3A MP3A	Mx X Z Mx X Z Z	.01 -10.514 -18.211 007 -10.514	3.25 3.25 3.25 3.25 3.25 3.25
79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95	MP3A MP3A MP3A MP3A MP3A MP3A	X Z Mx X Z	-10.514 -18.211 007 -10.514	3.25 3.25 3.25 3.25 3.25
80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95	MP3A MP3A MP3A MP3A	Z Mx X Z	-18.211 007 -10.514	3.25 3.25 3.25
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP3A MP3A MP3A MP3A	Mx X Z	007 -10.514	3.25 3.25
82 83 84 85 86 87 88 89 90 91 92 93 94 95	MP3A MP3A MP3A	X Z	-10.514	3.25
83 84 85 86 87 88 89 90 91 92 93 94 95 96	MP3A MP3A	Z	-18.211	0.20
84 85 86 87 88 89 90 91 92 93 94 95 96	MP3A		-10.211	3.25
85 86 87 88 89 90 91 92 93 94 95 96		MX	007	3.25
86 87 88 89 90 91 92 93 94 95	MOOD		-10.514	3.25
87 88 89 90 91 92 93 94 95 96	MP3B	X	-18.211	3.25
88 89 90 91 92 93 94 95 96	MP3B	Z		3.25
89 90 91 92 93 94 95 96	MP3B	Mx	007	3.25
90 91 92 93 94 95 96	MP3B	X	-10.514	3.25
91 92 93 94 95 96	MP3B	Z	-18.211	3.25
92 93 94 95 96	MP3B	Mx	007	3.25
93 94 95 96	MP3C	X	-7.211	3.25
94 95 96	MP3C	Z	-12.489	
94 95 96	MP3C	Mx	.009	3.25
95 96	MP3C	X	-7.211	3.25
96	MP3C	Z	-12.489	3.25
	MP3C	Mx	.009	3.25
	MP1A	X	-59.019	.17
98	MP1A	Z	-102.225	.17
99	MP1A	Mx	.059	.17
100	MP1A	X	-59.019	5.83
101	MP1A	Z	-102.225	5.83
102	MP1A	Mx	.059	5.83
103	MP1B	X	-59.019	.17
104	MP1B	Z	-102.225	.17
105	MP1B	Mx	.059	.17
	MP1B	X	-59.019	5.83
106		Z	-102.225	5.83
107	MP1B MP1B	Mx	.059	5.83
108		X	-49.901	.17
109	MP1C	Z	-86.431	.17
110	MP1C	Mx	1	.17
111	MP1C	X	-49.901	5.83
112		Z	-86.431	5.83
113 114	MP1C MP1C	/	1	5.83



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	0	5.25
3	MP5A MP5A	Z	-6.372	5.25
4	MP5A	Mx	0	5.25
5	MP5A MP5A	X	0	5.25
6	MP5A	Mx	-6.372	5.25
7	MP5A	X	0	5.25
8	MP5A	Z	-28.201	.68
9	MP5A	Mx	024	.68
10	MP5A	X	0	.68
11	MP5A	Z	-28.201	6.16 6.16
12	MP5A	Mx	024	6.16
13	MP5B	X	0	.68
14	MP5B	Z	-23.041	.68
15	MP5B	Mx	.03	.68
16	MP5B	X	0	6.16
17	MP5B	Z	-23.041	6.16
18	MP5B	Mx	.03	6.16
19	MP5C	X	0	.68
20	MP5C	Z	-22.126	.68
21	MP5C	Mx	014	.68
22	MP5C	X	0	6.16
23	MP5C	Z	-22.126	6.16
24	MP5C	Mx	014	6.16
25	MP5A	X	0	.68
26	MP5A	Z	-28.201	.68
27	MP5A	Mx	.024	.68
28	MP5A	X	0	6.16
29	MP5A	Z	-28.201	6.16
30	MP5A	Mx	.024	6.16
31	MP5B	X	0	.68
32	MP5B	Z	-23.041	.68
33	MP5B	Mx	.01	.68
34	MP5B	X	0	6.16
35	MP5B	Z	-23.041	6.16
36	MP5B	Mx	.01	6.16
37	MP5C	X	0	.68
38	MP5C	Z	-22.126	.68
39	MP5C	Mx	027	.68
40	MP5C	X	0	6.16
41	MP5C	Z	-22.126	6.16
42	MP5C	Mx	027	6.16
43	MP3A	X	0	.62
44	MP3A		-13.897	.62
45	MP3A	Mx	0	62
46	MP3A	X	0	2.55
47	MP3A	Z	-13.897	2.55
48	MP3A	Mx	0	2.55
49	MP3B	<u> </u>	0	.62
50	MP3B	Z	-7.901	.62
51 52	MP3B	Mx	.007	.62
	MP3B	X	0	2.55
53	MP3B		-7.901	2.55
54 55	MP3B MP3C	Mx	.007	2.55
56	MP3C	X	0	.62
57	MP3C		-6.838	.62
	IVIFOU	Mx	006	.62



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Project No. 10207141 : 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	0	2.55
59	MP3C	Z	-6.838	2.55
60	MP3C	Mx	006	2.55
61	MP4A	X	0	3.25
62	MP4A	Z	-5.809	3.25
63	MP4A	Mx	0	3.25
64	MP4A	X		3.25
65	MP4A	Z	-5.809	3.25
66	MP4A	Mx	0	3.25
67	MP4B	X	0	3.25
68	MP4B	Z	-4.478	3.25
69	MP4B	Mx	003	3.25
70	MP4B	X	0	3.25
71	MP4B	Z	-4.478	3.25
	MP4B	Mx	003	3.25
72	MP4C	X	0	3.25
73	MP4C	Z	-4.242	3.25
74		Mx	.003	3.25
75	MP4C	X	0	3.25
76	MP4C	Z	-4.242	3.25
77	MP4C	Mx	.003	3.25
78	MP4C		0	3.25
79	MP3A	X	-5.809	3.25
80	MP3A		0	3.25
81	MP3A	Mx	0	3.25
82	MP3A	X	-5.809	3.25
83	MP3A	Z		3.25
84	MP3A	Mx	0	3.25
85	MP3B	X	0	3.25
86	MP3B	Z	-4.239	3.25
87	MP3B	Mx	002	
88	MP3B	X	0	3.25
89	MP3B	Z	-4.239	3.25
90	MP3B	Mx	002	3.25
91	MP3C	X	0	3.25
92	MP3C	Z	-3.96	3.25
93	MP3C	Mx	.002	3.25
94	MP3C	X	0	3.25
95	MP3C	Z	-3.96	3.25
96	MP3C	Mx	.002	3.25
97	MP1A	X	0	.17
98	MP1A		24.116	.17
99	MP1A	Mx	0	.17
100	MP1A	X	0	5.83
101	MP1A	Z	-24.116	5.83
102	MP1A	Mx	0	5.83
	MP1B	X	0	.17
103		Ž	-20.825	.17
104	MP1B	Mx	.018	.17
105	MP1B	X	0	5.83
106	MP1B	Z	-20.825	5.83
107	MP1B		.018	5.83
108	MP1B	Mx	0 0	.17
109	MP1C	X	-20.825	.17
110	MP1C			.17
111	MP1C	Mx	018	5.83
112	MP1C	X	0	5.83
113	MP1C	Z	-20.825	5.83
114	MP1C	Mx	018	3.03



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5A	X	2.687	5.25
	MP5A	Z	-4.654	5.25
3	MP5A	Mx	000672	5.25
4	MP5A	X	2.687	5.25
5	MP5A	Z	-4.654	5.25
6	MP5A	Mx	.000672	5.25
7	MP5A	X	13.24	.68
8	MP5A	Z	-22.933	.68
9	MP5A	Mx	032	.68
10	MP5A	X	13.24	6.16
11	MP5A	Z	-22.933	6.16
12	MP5A	Mix	032	6.16
13	MP5B	X	10.66	.68
14	MP5B	Z	-18.464	.68
15	MP5B	Mx	.021	.68
16	MP5B	X	10.66	6.16
17	MP5B	Z	-18.464	6.16
18	MP5B	Mx	.021	6.16
19	MP5C	X	12.679	.68
20	MP5C	Z	-21.961	.68
21	MP5C	Mx	000112	.68
22	MP5C	X	12.679	6.16
23	MP5C	Z	-21.961	6.16
24	MP5C	Mx	000112	6.16
25	MP5A	X	13.24	.68
26	MP5A	Z	-22.933	.68
27	MP5A	Mx	.006	.68
28	MP5A	X	13.24	6.16
29	MP5A	Z	-22.933	6.16
30	MP5A	Mx	.006	6.16
31	MP5B	X	10.66	.68
32	MP5B	Z	-18.464	.68
33	MP5B	Mx	.021	.68
34	MP5B	X	10.66	6.16
35	MP5B	Z	-18.464	6.16
36	MP5B	Mx	.021	6.16
37	MP5C	X	12.679	.68
38	MP5C	Z	-21.961	.68
39	MP5C	Mx	032	.68
40	MP5C	X	12.679	6.16
41	MP5C	Z	-21.961	6.16
42	MP5C	Mx	032	6.16
43	MP3A	X	5.949	.62
44	MP3A	X	-10.304	.62
45	MP3A	Mx	006	.62
46	MP3A	X	5.949	2.55
47	MP3A	Z	-10.304	2.55
48	MP3A	Mx	006	2.55
49	MP3B	X	2.951	.62
50	MP3B	Z	-5.112	.62
51	MP3B	Mx	.006	.62
52	MP3B	X	2.951	2.55
53	MP3B	Z	-5.112	2.55
54	MP3B	Mx	-5.112	
55	MP3C	X	5.297	2.55
56	MP3C	Z		.62
57	MP3C	Mx	<u>-9.175</u>	.62
	WII JC	IVIA	007	.62



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	nber Label	Direction	Wi (30 Deg)) (Continued) Magnitude[lb,k-ft]	Location[ft,%]
	/IP3C	X	5.297	2.55
	AP3C	Z	-9.175	2.55
	MP3C	Mx	007	2.55
	ЛР4А	X	2.683	3.25
	ЛР4А	Z	-4.647	3.25
	/IP4A	Mx	.002	3.25
	MP4A	X	2.683	3.25
	MP4A	Z	-4.647	3.25
	MP4A	Mx	.002	3.25
	MP4B	X	2.017	3.25
	MP4B	Z	-3.494	3.25
	ИР4В	Mx	003	3.25
	MP4B	X	2.017	3,25
	лР4В	Ž	-3.494	3.25
	MP4B	Mx	003	3.25
	MP4C	X	2.538	3.25
	MP4C	Z	-4.396	3.25
	MP4C	Mx	.002	3.25
	MP4C	X	2.538	3.25
	MP4C	Z	-4.396	3.25
	MP4C	Mx	.002	3.25
	MP3A	X	2.643	3.25
	MP3A	Ž	-4.577	3.25
	MP3A	Mx	.002	3.25
		X	2.643	3.25
	MP3A MP3A	Z	-4.577	3.25
		Mx	.002	3.25
	MP3A	X	1,858	3.25
	MP3B	Z	-3.218	3.25
	MP3B	Mx	002	3.25
	MP3B	X	1.858	3.25
	MP3B	Z	-3.218	3.25
	MP3B	Mx	002	3.25
	MP3B	X	2.472	3.25
	MP3C	Z	-4.282	3.25
	MP3C	Mx	.002	3.25
	MP3C	X	2.472	3.25
	MP3C	Z	-4.282	3.25
	MP3C	Mx	.002	3.25
	MP3C	X	11.51	.17
	MP1A	Z	-19.935	.17
	MP1A	Mx	012	.17
	MP1A	X	11.51	5.83
	MP1A	Z	-19.935	5.83
	MP1A	Mx	012	5.83
	MP1A	- IVIX	9.864	.17
	MP1B	X	-17.084	.17
	MP1B		.02	.17
	MP1B	Mx	9.864	5.83
	MP1B	X	-17.084	5.83
	MP1B	Z	.02	5.83
	MP1B	Mx	11.51	.17
	MP1C	X	11.51	.17
	MP1C	Z	-19.935	.17
111	MP1C	Mx	012	5.83
	MP1C	X	11.51	5.83
	MP1C	Z	-19.935	5.83
114	MP1C	Mx	012	0.00



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July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5A	X	2.927	5.25
	MP5A MP5A	Z	-1.69	5.25
3 4		Mx	000732	5.25
	MP5A	X	2.927	5.25
5	MP5A	Z	-1.69	5.25
6	MP5A	Mx	.000732	5.25
7	MP5A	X	19.954	.68
8	MP5A	Z	-11.52	.68
9	MP5A	Mx	03	.68
10	MP5A	X	19.954	6.16
11	MP5A	Z	-11.52	6.16
12	MP5A	Mx	03	6.16
13	MP5B	X	19.954	.68
14	MP5B	Z	-11.52	.68
15	MP5B	Mx	.01	.68
16	MP5B	X	19.954	6.16
17	MP5B	Z	-11.52	6.16
18	MP5B	Mx	.01	6.16
19	MP5C	X	24.243	.68
20	MP5C	Z	-13.997	.68
21	MP5C	Mx	.018	.68
22	MP5C	X	24.243	6.16
23	MP5C	Z	-13.997	6.16
24	MP5C	Mx	.018	6.16
25	MP5A	X	19.954	.68
26	MP5A	Z	-11.52	.68
27	MP5A	Mx	01	.68
28	MP5A	X	19.954	6.16
29	MP5A	Z	-11.52	6.16
30	MP5A	Mx	01	6.16
31	MP5B	X	19.954	
32	MP5B	Ž	-11.52	.68
33	MP5B	Mx	.03	.68
34	MP5B	X	19.954	.68
35	MP5B	Z		6.16
36	MP5B	Mx	-11.52 .03	6.16
37	MP5C	X		6.16
38	MP5C	Z	24.243	.68
39	MP5C	Mx	-13.997	.68
40	MP5C	X	028	.68
41	MP5C	Z	24.243	6.16
42	MP5C		-13.997	6.16
43	MP3A	Mx	028	6.16
44	MP3A	X	6.843	.62
45		Z	-3.951	.62
	MP3A	Mx	007	.62
46	MP3A	X	6.843	2.55
47	MP3A	Z	-3.951	2.55
48	MP3A	Mx	007	2.55
49	MP3B	<u> </u>	6.843	.62
50	MP3B	Z	-3.951	.62
51	MP3B	Mx	.007	.62
52	MP3B	X	6.843	2.55
53	MP3B	Z	-3.951	2.55
54	MP3B	Mx	.007	2.55
55	MP3C	X	11.827	.62
56	MP3C	Z	-6.828	.62
57	MP3C	Mx	002	.62



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Wi (60 Deg)) (Continued) Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	11.827	2.55
59	MP3C	Z	-6.828	2.55
60	MP3C	Mx	002	2.55
51	MP4A	X	3.878	3.25
32	MP4A	Z	-2.239	3.25
33	MP4A	Mx	.003	3.25
34	MP4A	X	3.878	3.25
35	MP4A	Z	-2.239	3.25
66	MP4A	Mx	.003	3.25
57	MP4B	X	3.878	3.25
88	MP4B	Z	-2.239	3.25
59	MP4B	Mx	003	3.25
70	MP4B	X	3.878	3.25
71	MP4B	Z	-2.239	3.25
2	MP4B	Mx	003	3.25
	MP4C	X	4.984	3.25
73	MP4C	Z	-2.878	3.25
74	MP4C MP4C	Mx	.000667	3.25
75	MP4C MP4C	X	4.984	3,25
6	MP4C	Z	-2.878	3.25
77		Mx	.000667	3.25
78	MP4C	X	3.671	3.25
79	MP3A	Ž	-2.119	3.25
30	MP3A	Mx	.002	3.25
31	MP3A	X	3.671	3.25
32	MP3A	Z	-2.119	3.25
33	MP3A		.002	3.25
34	MP3A	Mx	3.671	3.25
35	MP3B	X	-2.119	3.25
36	MP3B		002	3.25
37	MP3B	Mx	3.671	3.25
88	MP3B	X	-2.119	3.25
89	MP3B	Z	002	3.25
90	MP3B	Mx	4.976	3.25
91	MP3C	X	-2.873	3.25
92	MP3C	Z	.000665	3.25
93	MP3C	Mx		3.25
94	MP3C	X	4.976 -2.873	3.25
95	MP3C	Z		3.25
96	MP3C	Mx	.000665	.17
97	MP1A	X	18.035	.17
98	MP1A	Z	-10.412	.17
99	MP1A	Mx	018	5.83
.00	MP1A	X	18.035	5.83
01	MP1A	Z	-10.412	5.83
02	MP1A	Mx	018	.17
03	MP1B	X	18.035	.17
04	MP1B	Z	-10.412	.17
05	MP1B	Mx	.018	5.83
06	MP1B	X	18.035	5.83
07	MP1B	Z	-10.412	
08	MP1B	Mx	.018	5.83
09	MP1C	X	20.885	.17
110	MP1C	Z	-12.058	.17
111	MP1C	Mx	0	.17
12	MP1C	X	20.885	5.83
113	MP1C	Z	-12.058	5,83
114	MP1C	Mx	0	5.83



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

4	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	2.383	5.25
2	MP5A		0	5.25
3 4	MP5A	Mx	000596	5.25
5	MP5A	X	2.383	5.25
	MP5A	Z	0	5.25
6	MP5A	Mx	.000596	5.25
7	MP5A	X	21.321	.68
8	MP5A	Z	0	.68
9	MP5A	Mx	021	.68
10	MP5A	X	21.321	6.16
11	MP5A	Z	0	6.16
12	MP5A	Mx	021	6.16
13	MP5B	X	26.481	.68
14	MP5B	Z	0	.68
15	MP5B	Mx	006	.68
16	MP5B	X	26.481	6.16
17	MP5B	Z	0	6.16
18	MP5B	Mx	006	6.16
19	MP5C	X	27.396	.68
20	MP5C	Z	0	.68
21	MP5C	Mx	.031	.68
22	MP5C	X	27.396	6.16
23	MP5C	Z	0	6.16
24	MP5C	Mx	.031	6.16
25	MP5A	X	21.321	.68
26	MP5A	Z	0	.68
27	MP5A	Mx	021	.68
28	MP5A	X	21.321	6.16
29	MP5A	Z	0	6.16
30	MP5A	Mx	021	6.16
31	MP5B	X	26.481	.68
32	MP5B	Z	0	.68
33	MP5B	Mx	.032	.68
34	MP5B	X	26.481	6.16
35	MP5B	Z	0	6.16
36	MP5B	Mx	.032	6.16
37	MP5C	X	27.396	.68
38	MP5C	Z	0	.68
39	MP5C	Mx	012	.68
40	MP5C	X	27.396	6.16
11	MP5C	Z	0	6.16
12	MP5C	Mx	012	6.16
13	MP3A	X	5.903	.62
14	MP3A	Z	0	.62
15	MP3A	Mx	006	.62
16	MP3A	X	5.903	2.55
7	MP3A	Z	0	2.55
18	MP3A	Mx	006	2.55
19	MP3B	X	11.898	.62
50	MP3B	Z	0	.62
51	MP3B	Mx	.006	.62
2	MP3B	X	11.898	2.55
3	MP3B	Z	0	2.55
64	MP3B	Mx	.006	2.55
55	MP3C	X	12.962	.62
6	MP3C	Z	0	.62
57	MP3C	Mx	.004	.62



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Wi (90 Deg)) (Continued) Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	12.962	2.55
59	MP3C	X	0	2.55
60	MP3C	Mx	.004	2.55
51	MP4A	X	4.035	3.25
32	MP4A	Z	0	3.25
33	MP4A	Mx	.003	3.25
64	MP4A	X	4.035	3.25
55	MP4A	Z	0	3.25
6	MP4A	Mx	.003	3.25
7	MP4B	X	5.365	3.25
8	MP4B	Z	0	3.25
9	MP4B	Mx	002	3.25
0	MP4B	X	5.365	3.25
1	MP4B	Z	0	3.25
2	MP4B	Mx	002	3.25
3	MP4C	X	5.601	3.25
4	MP4C	Z	0	3.25
5	MP4C	Mx	001	3.25
6	MP4C	X	5.601	3.25
	MP4C	Z	0	3.25
8	MP4C	Mx	001	3.25
	MP3A	X	3,716	3.25
9	MP3A	Z	0	3.25
0	MP3A	Mx	.002	3.25
1		X	3.716	3.25
2	MP3A	Z	0	3.25
3	MP3A	Mx	.002	3.25
34	MP3A	X	5.286	3.25
35	MP3B	Z	0	3.25
36	MP3B	Mx	002	3.25
37	MP3B	X	5.286	3.25
38	MP3B	Ž	0	3.25
39	мР3В		002	3.25
90	MP3B	Mx	5.564	3.25
91	MP3C	Z	0	3.25
92	MP3C		001	3,25
93	MP3C	Mx	5.564	3.25
94	MP3C	X	0	3.25
)5	MP3C	Z	001	3.25
96	MP3C	Mx	19.727	.17
97	MP1A	X	0	.17
98	MP1A	Z	02	.17
9	MP1A	Mx	19.727	5.83
00	MP1A	X		5.83
01	MP1A	Z	02	5.83
02	MP1A	Mx	23.019	.17
03	MP1B	X		.17
04	MP1B	Z	.012	.17
05	MP1B	Mx	.012	5.83
06	MP1B	X	23.019	5.83
07	MP1B	Z	0	5.83
08	MP1B	Mx	.012	.17
09	MP1C	X	23.019	.17
10	MP1C	Z	0	.17
11	MP1C	Mx	.012	5.83
12	MP1C	X	23.019	
13	MP1C	Z	0	5.83
14	MP1C	Mx	.012	5.83



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

4	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5A	X	2.927	5.25
	MP5A	Z	1.69	5.25
3	MP5A	Mx	000732	5.25
4	MP5A	X	2.927	5.25
5	MP5A	Z	1.69	5.25
6	MP5A	Mx	.000732	5.25
7	MP5A	X	19.954	.68
8	MP5A	Z	11.52	.68
9	MP5A	Mx	01	.68
10	MP5A	X	19.954	6.16
11	MP5A	Z	11.52	6.16
12	MP5A	Mx	01	6.16
13	MP5B	X	24.423	.68
14	MP5B	Z	14.1	.68
15	MP5B	Mx	024	.68
16	MP5B	X	24.423	6.16
17	MP5B	Z	14.1	6.16
18	MP5B	Mx	024	6.16
19	MP5C	X	20.926	.68
20	MP5C	Z	12.082	.68
21	MP5C	Mx	.031	.68
22	MP5C	X	20.926	6.16
23	MP5C	Z	12.082	6.16
24	MP5C	Mx	.031	6.16
25	MP5A	X	19.954	.68
26	MP5A	Z	11.52	
27	MP5A	Mx	03	.68 .68
28	MP5A	X	19.954	
29	MP5A	Z	11.52	6.16
30	MP5A	Mx	03	6.16
31	MP5B	X	24.423	6.16
32	MP5B	Ž		.68
33	MP5B	Mx	14.1	.68
34	MP5B	X	.024	.68
35	MP5B	Z	24.423	6.16
36	MP5B		14.1	6.16
37	MP5C	Mx	.024	6.16
38	MP5C	X	20.926	.68
39	MP5C MP5C	Z	12.082	.68
10		Mx	.006	.68
	MP5C	X	20.926	6.16
11 12	MP5C	Z	12.082	6.16
	MP5C	Mx	.006	6.16
3	MP3A	X	6.843	.62
4	MP3A	Z	3.951	.62
5	MP3A	Mx	007	.62
6	MP3A	X	6.843	2.55
7	MP3A	Z	3.951	2.55
8	MP3A	Mx	007	2.55
9	MP3B	X	12.035	.62
0	MP3B	Z	6.949	.62
1	MP3B	Mx	-1e-6	.62
2	MP3B	X	12.035	2.55
3	MP3B	Z	6.949	2.55
4	MP3B	Mx	-1e-6	2.55
55	MP3C	X	7.972	.62
56	MP3C	Z	4.603	.62
57	MP3C	Mx	.007	.62



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Project No. 10207141

5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	7.972	2.55
59	MP3C	Z	4.603	2.55
60	MP3C	Mx	.007	2.55
61	MP4A	X	3.878	3.25
62	MP4A	Z	2.239	3.25
	MP4A	Mx	.003	3.25
63	MP4A	X	3.878	3.25
64		Z	2.239	3.25
65	MP4A	Mx	.003	3.25
66	MP4A	X	5.031	3.25
67	MP4B		2.904	3.25
68	MP4B		0	3.25
69	MP4B	Mx	5.031	3.25
70	MP4B	X	2.904	3.25
71	MP4B	Z		3.25
72	MP4B	Mx	0	3.25
73	MP4C	X	4.129	3.25
74	MP4C	Z	2.384	3.25
75	MP4C	Mx	002	3.23
76	MP4C	X	4.129	3.25
77	MP4C	Z	2.384	3.25
78	MP4C	Mx	002	3.25
79	MP3A	X	3.671	3.25
80	MP3A	Z	2.119	3.25
81	мР3А	Mx	.002	3.25
82	MP3A	X	3.671	3.25
83	MP3A	Z	2.119	3.25
84	MP3A	Mx	.002	3.25
85	MP3B	X	5.031	3,25
86	MP3B	Z	2.904	3.25
	MP3B	Mx	0	3.25
87	MP3B	X	5.031	3.25
88		Z	2.904	3.25
89	MP3B	Mx	0	3.25
90	MP3B	X	3.967	3.25
91	MP3C	Ž	2.29	3.25
92	MP3C		002	3.25
93	MP3C	Mx	3.967	3.25
94	MP3C	X	2.29	3.25
95	MP3C	Z		3.25
96	MP3C	Mx	002	.17
97	MP1A	X	18.035	.17
98	MP1A	Z	10.412	.17
99	MP1A	Mx	018	.11
100	MP1A	X	18.035	5.83
101	MP1A	Z	10.412	5.83
102	MP1A	Mx	018	5.83
103	MP1B	X	20,885	.17
104	MP1B	Z	12.058	.17
105	MP1B	Mx	0	.17
106	MP1B	X	20.885	5.83
107	MP1B	Z	12.058	5.83
108	MP1B	Mx	0	5.83
	MP1C	X	18.035	.17
109		Z	10,412	.17
110	MP1C	Mx	.018	.17
111	MP1C	X	18.035	5.83
112	MP1C	Z	10.412	5.83
113	MP1C		.018	5.83
114	MP1C	Mx	.010	



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

1	Member Label MP5A	Direction X	Magnitude[lb,k-ft] 2.687	Location[ft,%]
2	MP5A	Ž		5.25
3	MP5A	Mx	4.654	5.25
4	MP5A	X	000672	5.25
5	MP5A	Z	2.687	5.25
6	MP5A		4.654	5.25
7	MP5A	Mx	.000672	5.25
8		X	13.24	.68
9	MP5A	Z	22.933	.68
10	MP5A	Mx	.006	.68
11	MP5A	X	13.24	6.16
12	MP5A	Z	22.933	6.16
13	MP5A	Mx	.006	6.16
14	MP5B	X	13.24	.68
15	MP5B	Z	22.933	.68
16	MP5B	Mx	032	.68
17	MP5B	X	13.24	6.16
18	MP5B	Z	22.933	6.16
	MP5B	Mx	032	6.16
19	MP5C	X	10.764	.68
20	MP5C	Z	18.644	.68
21	MP5C	Mx	.024	.68
22	MP5C	X	10.764	6.16
23	MP5C	Z	18.644	6.16
24	MP5C	Mx	.024	6.16
25	MP5A	X	13.24	.68
26	MP5A	Z	22.933	.68
27	MP5A	Mx	032	.68
28	MP5A	X	13.24	6.16
29	MP5A	Z	22.933	6.16
30	MP5A	Mx	032	6.16
31	MP5B	X	13.24	.68
32	MP5B	Z	22.933	.68
33	MP5B	Mx	.006	.68
34	MP5B	X	13.24	6.16
35	MP5B	Z	22.933	6.16
36	MP5B	Mx	.006	6.16
37	MP5C	X	10.764	.68
38	MP5C	Z	18.644	.68
39	MP5C	Mx	.018	.68
40	MP5C	X	10.764	6.16
41	MP5C	Z	18.644	6.16
42	MP5C	Mx	.018	6.16
43	MP3A	X	5.949	.62
44	MP3A	Z	10.304	.62
45	MP3A	Mx	006	.62
46	MP3A	X	5.949	2.55
47	MP3A	Z	10.304	2.55
48	MP3A	Mx	006	2.55
49	MP3B	X	5.949	.62
50	MP3B	Z	10.304	.62
51	MP3B	Mx	006	.62
52	MP3B		5.949	2.55
53	MP3B	X	10.304	2.55
54	MP3B	Mx	006	2.55
55	MP3C	X	3.072	.62
56	MP3C	Z	5.321	.62
57	MP3C	Mx	.006	.62



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: Project No. 10207141 : 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Wi (150 Deg)) (Continued) Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	3.072	2.55
59	MP3C	Z	5.321	2.55
60	MP3C	Mx	.006	2.55
61	MP4A	X	2.683	3.25
62	MP4A	Z	4.647	3.25
63	MP4A	Mx	.002	3.25
64	MP4A	X	2.683	3.25
65	MP4A	Z	4.647	3.25
	MP4A	Mx	.002	3.25
66		X	2.683	3.25
67	MP4B	Z	4.647	3.25
68	MP4B	Mx	.002	3.25
69	MP4B		2.683	3.25
70	MP4B	X	4.647	3.25
71	MP4B		.002	3.25
72	MP4B	Mx		3.25
73	MP4C	X	2.044	3.25
74	MP4C	Z	3.541	
75	MP4C	Mx	003	3.25
76	MP4C	X	2.044	3.25
77	MP4C	Z	3.541	3.25
78	MP4C	Mx	003	3.25
79	MP3A	X	2.643	3.25
80	MP3A	Z	4.577	3.25
81	MP3A	Mx	.002	3.25
82	MP3A	X	2.643	3.25
	MP3A	Z	4.577	3.25
83		Mx	.002	3.25
84	MP3A	X	2.643	3.25
85	MP3B		4.577	3.25
86	MP3B	Z	.002	3.25
87	MP3B	Mx	2.643	3.25
88	MP3B	X		3.25
89	MP3B	Z	4,577	3.25
90	MP3B	Mx	.002	3.25
91	MP3C	X	1.889	
92	MP3C	Z	3.272	3.25
93	MP3C	Mx	002	3.25
94	MP3C	X	1,889	3.25
95	MP3C	Z	3.272	3.25
96	MP3C	Mx	002	3.25
97	MP1A	X	11.51	.17
	MP1A	Z	19.935	.17
98	MP1A	Mx	012	.17
99		X	11.51	5.83
100	MP1A	Z	19.935	5.83
101	MP1A		012	5.83
102	MP1A	Mx	11.51	.17
103	MP1B	X	10.025	.17
104	MP1B	Z	19.935	.17
105	MP1B	Mx	012	5.83
106	MP1B	X	11.51	5.03
107	MP1B	Z	19.935	5.83
108	MP1B	Mx	012	5.83
109	MP1C	X	9.864	.17
110	MP1C	Z	17.084	.17
111	MP1C	Mx	.02	.17
	MP1C	X	9.864	5.83
112 113		Z	17.084	5.83
113	MP1C	Mx	.02	5.83



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

1	Member Label MP5A	Direction X	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5A	Z	0	5,25
3	MP5A	Mx	6.372	5.25
4	MP5A	X	0	5.25
5	MP5A	Z	0	5.25
6	MP5A		6.372	5.25
7	MP5A	Mx	0	5.25
8	MP5A	X	0	.68
9		Z	28.201	.68
10	MP5A	Mx	.024	.68
	MP5A	X	0	6.16
11	MP5A	Z	28.201	6.16
12	MP5A	Mx	.024	6.16
13	MP5B	X	0	.68
14	MP5B	Z	23.041	.68
15	MP5B	Mx	03	.68
16	MP5B	X	0	6.16
17	MP5B	Z	23.041	6.16
18	MP5B	Mx	03	6.16
19	MP5C	X	0	.68
20	MP5C	Z	22.126	.68
21	MP5C	Mx	.014	.68
22	MP5C	X	0	6.16
23	MP5C	Z	22.126	6.16
24	MP5C	Mx	.014	6.16
25	MP5A	X	0	.68
26	MP5A	Z	28.201	.68
27	MP5A	Mx	024	.68
28	MP5A	X	0	6.16
29	MP5A	Z	28.201	6.16
30	MP5A	Mx	024	6.16
31	MP5B	X	0	.68
32	MP5B	Z	23.041	.68
33	MP5B	Mx	01	.68
34	MP5B	X	0	6.16
35	MP5B	Z	23.041	6.16
36	MP5B	Mx	01	6.16
37	MP5C	X	0	.68
38	MP5C	Ž	22.126	.68
39	MP5C	Mx	.027	.68
40	MP5C	X	0	6.16
41	MP5C	Z	22.126	6.16
42	MP5C	Mx	.027	
43	MP3A	X	^	6.16
44	MP3A	Z	13.897	.62
45	MP3A	Mx		.62
46	MP3A		0	.62
47	MP3A	Z	0	2.55
48	MP3A		13.897	2.55
49		Mx	0	2.55
	MP3B	X	0	.62
50	MP3B	Z	7.901	.62
51	MP3B	Mx	007	.62
52	MP3B	X	0	2.55
53	MP3B		7.901	2.55
54	MP3B	Mx	007	2.55
55	MP3C	X	0	.62
56	MP3C	Z	6.838	.62
57	MP3C	Mx	.006	.62



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X Z	0	2.55 2.55
59	MP3C		6.838	2.55
60	MP3C	Mx	.006	3.25
61	MP4A	X	0	3.25
62	MP4A	Z	5.809	3.25
63	MP4A	Mx	0	3.25
64	MP4A	X	0	3.25
65	MP4A	Z	5.809	
66	MP4A	Mx	0	3.25
67	MP4B	X	0	3.25
68	MP4B	Z	4.478	3.25
69	MP4B	Mx	.003	3.25
70	MP4B	X	0	3.25
71	MP4B	Z	4.478	3.25
72	MP4B	Mx	.003	3.25
73	MP4C	X	0	3.25
74	MP4C	Z	4.242	3.25
75	MP4C	Mx	003	3.25
76	MP4C	X	0	3.25
77	MP4C	Z	4.242	3.25
78	MP4C	Mx	003	3.25
79	MP3A	X	0	3.25
80	MP3A	Z	5.809	3.25
81	MP3A	Mx	0	3.25
82	MP3A	X	0	3.25
83	MP3A	Z	5.809	3.25
84	MP3A	Mx	0	3.25
85	MP3B	X	0	3.25
86	MP3B	Z	4.239	3.25
87	MP3B	Mx	.002	3.25
88	MP3B	X	0	3.25
89	MP3B	Z	4.239	3.25
90	MP3B	Mx	.002	3.25
91	MP3C	X	0	3.25
92	MP3C	Z	3.96	3.25
93	MP3C	Mx	002	3.25
94	MP3C	X	0	3.25
95	MP3C	Z	3.96	3.25
96	MP3C	Mx	002	3.25
97	MP1A	X	0	.17
98	MP1A	Z	24.116	.17
99	MP1A	Mx	0	.17
100	MP1A	X	0	5.83
101	MP1A	Z	24,116	5.83
102	MP1A	Mx	0	5.83
103	MP1B	X	0	.17
104	MP1B	Z	20.825	.17
105	MP1B	Mx	018	.17
106	MP1B	X	0	5.83
107	MP1B	Ž	20.825	5.83
108	MP1B	Mx	018	5.83
109	MP1C	X	0	.17
110	MP1C	Ž	20.825	.17
111	MP1C	Mx	.018	.17
112	MP1C	X	0	5.83
113	MP1C	Z	20.825	5.83
114	MP1C	Mx	.018	5.83



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-2.687	5.25
2	MP5A	Z	4.654	5.25
3	MP5A	Mx	.000672	5.25
4	MP5A	X	-2.687	5.25
5	MP5A	Z	4.654	5.25
6	MP5A	Mx	000672	5.25
7	MP5A	X	-13.24	.68
8	MP5A	Z	22.933	.68
9	MP5A	Mx	.032	.68
10	MP5A	X	-13.24	6.16
11	MP5A	Z	22.933	6.16
12	MP5A	Mx	.032	6.16
13	MP5B	X	-10.66	.68
14	MP5B	Z	18.464	.68
15	MP5B	Mx	021	.68
16	MP5B	X	-10.66	6.16
17	MP5B	Z	18.464	6.16
18	MP5B	Mx	021	6.16
19	MP5C	X	-12.679	.68
20	MP5C	Z	21.961	.68
21	MP5C	Mx	.000112	.68
22	MP5C	X	-12.679	6.16
23	MP5C	Z	21.961	6.16
24	MP5C	Mx	.000112	6.16
25	MP5A	X	-13.24	.68
26	MP5A	Z	22.933	.68
27	MP5A	Mx	006	.68
28	MP5A	X	-13.24	6.16
29	MP5A	Z	22.933	
30	MP5A	Mx		6.16
31	MP5B	X	006	6.16
32	MP5B	Z	-10.66	.68
33	MP5B	Mx	18.464	.68
34	MP5B	X	021	.68
35	MP5B	Z	-10.66	6.16
36	MP5B		18.464	6.16
37	MP5C	Mx	021	6.16
38	MP5C	X	-12.679	.68
39		Z	21.961	.68
40	MP5C MP5C	Mx	.032	.68
		X	-12.679	6.16
41	MP5C	Z	21.961	6.16
42	MP5C	Mx	.032	6.16
43	MP3A	<u>x</u>	-5.949	.62
44	MP3A	Z	10.304	.62
45	MP3A	Mx	.006	.62
46	MP3A	X	-5.949	2.55
47	MP3A	Z	10,304	2.55
48	MP3A	Mx	.006	2.55
49	MP3B	X	-2.951	.62
50	MP3B	Z	5.112	.62
51	MP3B	Mx	006	.62
52	MP3B	X	-2.951	2.55
53	MP3B	Z	5.112	2.55
54	MP3B	Mx	006	2.55
55	MP3C	X	-5.297	.62
56	MP3C	Z	9.175	.62
57	MP3C	Mx	.007	.62



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: Project No. 10207141 : 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-5.297	2.55 2.55
59	MP3C		9.175	
60	MP3C	Mx	.007	2.55
61	MP4A	X	-2.683	3.25
62	MP4A	Z	4.647	3.25
63	MP4A	Mx	002	3.25
64	MP4A	X	-2.683	3.25
65	MP4A	Z	4.647	3.25
66	MP4A	Mx	002	3.25
67	MP4B	X	-2.017	3.25
68	MP4B	Z	3.494	3.25
69	MP4B	Mx	.003	3,25
70	MP4B	X	-2.017	3.25
71	MP4B	Z	3.494	3.25
72	MP4B	Mx	.003	3.25
73	MP4C	X	-2.538	3.25
74	MP4C	Z	4.396	3.25
75	MP4C	Mx	002	3.25
76	MP4C	X	-2.538	3.25
77	MP4C	Z	4.396	3.25
78	MP4C	Mx	002	3.25
78 79	MP3A	X	-2.643	3.25
	MP3A	Z	4.577	3.25
80	MP3A	Mx	002	3.25
81	MP3A	X	-2.643	3.25
82		Z	4.577	3.25
83	MP3A	Mx	002	3.25
84	MP3A		-1.858	3.25
85	MP3B	X	3.218	3.25
86	MP3B	Mx	.002	3.25
87	MP3B		-1.858	3.25
88	MP3B	X	3.218	3.25
89	MP3B	Z	.002	3.25
90	MP3B	Mx	-2.472	3.25
91	MP3C	X	4.282	3.25
92	MP3C	Z	002	3.25
93	MP3C	Mx_		3.25
94	MP3C	X	-2.472 4.382	3.25
95	MP3C	Z	4.282	3.25
96	MP3C	Mx	002	.17
97	MP1A	X	-11.51	.17
98	MP1A	Z	19.935	.17
99	MP1A	Mx	.012	5.83
00	MP1A	X	-11.51	5.83
01	MP1A	Z	19,935	
102	MP1A	Mx	.012	5.83
03	MP1B	X	-9.864	.17
04	MP1B	Z	17.084	.17
105	MP1B	Mx	02	.17
06	MP1B	X	-9.864	5.83
107	MP1B	Z	17.084	5.83
80	MP1B	Mx	02	5.83
09	MP1C	X	-11.51	.17
110	MP1C	Z	19.935	.17
111	MP1C	Mx	.012	.17
112	MP1C	X	-11.51	5.83
113	MP1C	Z	19.935	5.83
114	MP1C	Mx	.012	5.83



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

1 1	Member Label MP5A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5A	Z	-2.927	5.25
3	MP5A		1.69	5.25
4	MP5A	Mx	.000732	5.25
5		X	-2.927	5.25
	MP5A	Z	1.69	5.25
7	MP5A	Mx	000732	5.25
	MP5A	X	-19.954	.68
8	MP5A	Z	11.52	.68
9	MP5A	Mx	.03	.68
10	MP5A	X	-19.954	6.16
11	MP5A	Z	11.52	6.16
12	MP5A	Mx	.03	6.16
13	MP5B	X	-19.954	.68
14	MP5B	Z	11.52	.68
15	MP5B	Mx	01	.68
16	MP5B	X	-19.954	6.16
17	MP5B	Z	11.52	6.16
18	MP5B	Mx	01	6.16
19	MP5C	X	-24.243	.68
20	MP5C	Z	13.997	.68
21	MP5C	Mx	018	.68
22	MP5C	X	-24.243	6.16
23	MP5C	Z	13.997	6.16
24	MP5C	Mx	018	6.16
25	MP5A	X	-19.954	.68
26	MP5A	Z	11.52	.68
27	MP5A	Mx	.01	.68
28	MP5A	X	-19.954	6.16
29	MP5A	Z	11.52	6.16
30	MP5A	Mx	.01	6.16
31	MP5B	X	-19.954	.68
32	MP5B	Z	11.52	.68
33	MP5B	Mx	03	.68
34	MP5B	X	-19.954	6.16
35	MP5B	Z	11.52	6.16
36	MP5B	Mx	03	6.16
37	MP5C	X	-24.243	.68
38	MP5C	Z	13.997	.68
39	MP5C	Mx	.028	.68
40	MP5C	X	-24.243	6.16
41	MP5C	Z	13.997	6.16
42	MP5C	Mx	.028	6.16
43	MP3A	X	-6.843	
44	MP3A	Ž	3.951	.62 .62
45	MP3A	Mx	.007	.62
46	MP3A	X	-6.843	2.55
47	MP3A	Z	3.951	2.55
48	MP3A	Mx	.007	2.55
49	MP3B	X	-6.843	.62
50	MP3B	Z	3.951	.62
51	MP3B	Mx	007	.62
52	MP3B	X	-6.843	
53	MP3B	Z	3.951	2.55
54	MP3B	Mx	007	2.55
55	MP3C	X		2.55
56	MP3C	Z	-11.827	.62
57	MP3C		6.828	.62
UL	IVIE 3C	Mx	.002	.62



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Project No. 10207141 5000382880-VZW_MT_LO_H July 22, 2023 4:07 PM Checked By:_

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

Mem	ber Label	Direction	Wi (240 Deg)) (Continued) Magnitude[lb,k-ft]	Location[ft,%]	
58 N	IP3C	X	-11.827	2.55	
	P3C	Z	6.828	2.55	_
	P3C	Mx	.002	2.55	
	IP4A	X	-3.878	3.25	
	IP4A	Z	2.239	3.25	
	P4A	Mx	003	3.25	
100	P4A	X	-3.878	3.25	
	IP4A	Z	2.239	3.25	
	IP4A	Mx	003	3.25	
	IP4B	X	-3.878	3.25	
	1P4B	Z	2.239	3.25	
		Mx	.003	3.25	
	P4B	X	-3.878	3.25	
	IP4B	Z	2.239	3.25	
	1P4B	Mx	.003	3.25	
	IP4B		-4.984	3.25	
	IP4C	X	2.878	3.25	1 1
	IP4C		000667	3.25	
	1P4C	Mx	-4.984	3.25	
	MP4C	X	2.878	3.25	
	IP4C	Z	000667	3.25	
	1P4C	Mx	-3.671	3.25	
	1P3A	X	2.119	3.25	
	1P3A	Z	002	3.25	
	1P3A	Mx		3.25	
	1P3A	X	-3.671	3.25	
	IP3A	Z	2.119	3.25	
	1P3A	Mx	002	3.25	
85 N	1P3B	X	-3.671	3.25	
86 N	1P3B	Z	2.119	3.25	_
37 N	MP3B	Mx	.002		
	MP3B	X	-3.671	3.25	
	1P3B	Z	2.119	3.25	-
	ИРЗВ	Mx	.002	3.25	
	/IP3C	X	-4.976	3.25	
	1P3C	Z	2.873	3.25	
93 N	MP3C	Mx	000665	3.25	_
	MP3C	X	-4.976	3.25	_
	MP3C	Z	2.873	3.25	_
	MP3C	Mx	000665	3.25	
	MP1A	X	-18.035	.17	
	1P1A	Z	10.412	.17	
	MP1A	Mx	.018	.17	
	/P1A	X	-18.035	5.83	
	/IP1A	Ž	10.412	5.83	
• •	MP1A	Mx	.018	5.83	
	MP1A	X	-18.035	.17	
		Ž	10,412	.17	
	MP1B	Mx	018	.17	
	MP1B	X	-18.035	5.83	Ty
06	NP1B	Z	10,412	5.83	
	/P1B		018	5.83	
	//P1B	Mx	-20.885	.17	
	/P1C	X	12.058	.17	
	/P1C	Z	0	.17	
	/IP1C	Mx	-20.885	5.83	
	/P1C	X		5.83	
	/P1C	Z	12.058	5.83	
114 N	/P1C	Mx	0	0.00	



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-2.383	5.25
2	MP5A	Z	0	5.25
3	MP5A	Mx	.000596	5.25
4	MP5A	X	-2.383	5.25
5	MP5A	Z	0	5.25
6	MP5A	Mx	000596	5.25
7	MP5A	X	-21.321	.68
8	MP5A	Z	0	.68
9	MP5A	Mx	.021	.68
10	MP5A	X	-21.321	6.16
11	MP5A	Z	0	6.16
12	MP5A	Mx	.021	6.16
13	MP5B	X	-26.481	.68
14	MP5B	Z	0	.68
15	MP5B	Mx	.006	.68
16	MP5B	X	-26.481	6.16
17	MP5B	Z	0	6.16
18	MP5B	Mx	.006	6.16
19	MP5C	X	-27.396	.68
20	MP5C	Z	0	.68
21	MP5C	Mx	031	.68
22	MP5C	X	-27.396	6.16
23	MP5C	Z	0	6.16
24	MP5C	Mx	031	6.16
25	MP5A	X	-21.321	.68
26	MP5A	Z	0	.68
27	MP5A	Mx	.021	.68
28	MP5A	X	-21.321	6.16
29	MP5A	Z	0	6.16
30	MP5A	Mx	.021	6.16
31	MP5B	X	-26.481	.68
32	MP5B	Z	0	.68
33	MP5B	Mx	032	.68
34	MP5B	X	-26.481	6.16
35	MP5B	Z	0	6.16
36	MP5B	Mx	032	6.16
37	MP5C	X	-27.396	.68
38	MP5C	Z	0	.68
39	MP5C	Mx	.012	.68
40	MP5C	X	-27.396	6.16
41	MP5C	Z	0	6.16
42	MP5C	Mx	.012	6.16
43	MP3A	X	-5.903	.62
44	MP3A	Z	0	.62
45	MP3A	Mx	.006	.62
46	MP3A	X	-5.903	2.55
47	MP3A	Z	-5.905	2.55
18	MP3A	Mx	.006	2.55
19	MP3B	X	-11.898	.62
50	MP3B	Z	0	.62
51	MP3B	Mx	006	.62
52	MP3B	X	-11.898	
53	MP3B	Z	-11.898	2.55
54	MP3B	Mx		2.55
55	MP3C	X	006 -12.962	2.55
56	MP3C	Z		.62
57	MP3C		0	.62
	IVII JO	Mx	004	.62



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	mber Label	Direction	Wi (270 Deg)) (Continued) Magnitude[lb,k-ft]	Location[ft,%]
	MP3C		-12.962	2.55
59	MP3C	X	0	2.55
	MP3C	Mx	004	2.55
	MP4A	X	-4.035	3.25
	MP4A	Ž	0	3.25
		Mx	003	3.25
	MP4A	X	-4.035	3.25
	MP4A	Z	0	3.25
	MP4A		003	3.25
	MP4A	Mx	-5.365	3,25
	MP4B	X		3.25
	MP4B	Z	0	3.25
69	MP4B	Mx	.002	3.25
70	MP4B	X	-5.365	3.25
	MP4B	Z	0	
	MP4B	Mx	.002	3.25
	MP4C	X	-5.601	3.25
	MP4C	Z	0	3.25
75	MP4C	Mx	.001	3.25
70	MP4C	X	-5.601	3.25
76	MP4C	Z	0	3.25
		Mx	.001	3.25
78	MP4C	X	-3.716	3.25
79	MP3A	Z	0	3.25
30	MP3A		002	3.25
31	MP3A	Mx	-3.716	3.25
32	MP3A	X		3.25
33	MP3A	Z	0	3.25
34	MP3A	Mx	002	3.25
35	MP3B	_X	-5.286	3.25
36	MP3B	Z	0	
37	MP3B	Mx	.002	3.25
38	MP3B	X	-5.286	3.25
39	MP3B	Z	0	3.25
90	мР3В	Mx	.002	3.25
91	MP3C	X	-5.564	3.25
	MP3C	Z	0	3.25
92		Mx	.001	3.25
93	MP3C	X	-5.564	3.25
94	MP3C	Z	0	3.25
95	MP3C		.001	3.25
96	MP3C	Mx	-19.727	.17
97	MP1A	X		.17
98	MP1A	Z	0	.17
99	MP1A	Mx	.02	5.83
00	MP1A	X	-19.727	5.83
01	MP1A	Z	0	
02	MP1A	Mx	.02	5.83
03	MP1B	X	-23.019	.17
04	MP1B	Z	0	.17
05	MP1B	Mx	012	.17
	MP1B	X	-23.019	5.83
06		Z	0	5.83
07	MP1B	Mx	012	5.83
08	MP1B	V	-23.019	.17
09	MP1C	X	0	.17
10	MP1C	Z	012	.17
11	MP1C	Mx		5.83
112	MP1C	X	-23.019	5.83
113	MP1C	Z	0	5.83
14	MP1C	Mx	012	3.03



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:

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

4	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5A MP5A	X	-2.927	5.25
	MP5A	Z	-1.69	5.25
3	MP5A	Mx	.000732	5.25
4		X	-2.927	5.25
5	MP5A	Z	-1.69	5.25
6	MP5A	Mx	000732	5.25
7	MP5A	X	-19.954	.68
8	MP5A	Z	-11.52	.68
9	MP5A	Mx	.01	.68
10	MP5A	X	-19.954	6.16
11	MP5A	Z	-11.52	6.16
12	MP5A	Mx	.01	6.16
13	MP5B	X	-24.423	.68
14	MP5B	Z	-14.1	.68
15	MP5B	Mx	.024	.68
16	MP5B	X	-24.423	6.16
17	MP5B	Z	-14.1	6.16
18	MP5B	Mx	.024	6.16
19	MP5C	X	-20.926	.68
20	MP5C	Z	-12.082	.68
21	MP5C	Mx	031	.68
22	MP5C	X	-20.926	6.16
23	MP5C	Z	-12.082	6.16
24	MP5C	Mx	031	6.16
25	MP5A	X	-19.954	.68
26	MP5A	Z	-11.52	.68
27	MP5A	Mx	.03	.68
28	MP5A	X	-19.954	6.16
29	MP5A	Z	-11.52	6.16
30	MP5A	Mx	.03	6.16
31	MP5B	X	-24.423	
32	MP5B	Z	-14.1	.68
33	MP5B	Mx	024	.68
34	MP5B	X	-24.423	.68
35	MP5B	Z		6.16
36	MP5B	Mx	-14.1	6.16
7	MP5C	X	024	6.16
88	MP5C	Z	-20.926	.68
9	MP5C	Mx	-12.082	.68
0.	MP5C		006	.68
1		X	-20.926	6.16
2	MP5C MP5C	Z	-12.082	6.16
3		Mx	006	6.16
	MP3A	X	-6.843	.62
4	MP3A	Z	-3.951	.62
5	MP3A	Mx	.007	.62
6	MP3A	X	-6.843	2.55
7	MP3A	Z	-3.951	2.55
8	MP3A	Mx	.007	2.55
9	MP3B	<u>X</u>	-12.035	.62
0	MP3B	Z	-6.949	.62
1	MP3B	Mx	1e-6	.62
2	MP3B	X	-12.035	2.55
3	MP3B	Z	-6.949	2.55
4	MP3B	Mx	1e-6	2.55
5	MP3C	X	-7.972	.62
6	MP3C	Z	-4.603	.62
7	MP3C	Mx	007	.62



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: Project No. 10207141 : 5000382880-VZW_MT_LO_H July 22, 2023 4:07 PM Checked By:____

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

	Member Label	Direction	Wi (300 Deg)) (Continued) Magnitude[lb,k-ft]	Location[ft.%]
58	MP3C	X Z	-7.972	2.55
59	MP3C	Z	-4.603	2.55
60	MP3C	Mx	007	2.55
61	MP4A	X	-3.878	3.25
62	MP4A	Z	-2.239	3.25
63	MP4A	Mx	003	3.25
	MP4A	X	-3.878	3.25
64	MP4A	Ž	-2.239	3.25
65		Mx	003	3.25
66	MP4A	X	-5.031	3.25
67	MP4B	Z	-2.904	3.25
68	MP4B		0	3.25
69	MP4B	Mx	-5.031	3.25
70	MP4B	X	-2.904	3.25
71	MP4B	Z		3.25
72	MP4B	Mx	0	3.25
73	MP4C	X	-4.129	3.25
74	MP4C	Z	-2.384	3.25
75	MP4C	Mx	.002	
76	MP4C	X	-4.129	3.25
77	MP4C	Z	-2.384	3,25
78	MP4C	Mx	.002	3.25
79	MP3A	X	-3.671	3.25
80	MP3A	Z	-2.119	3.25
	MP3A	Mx	002	3.25
81	MP3A	X	-3.671	3.25
82		Z	-2.119	3.25
83	MP3A		002	3.25
84	MP3A	Mx	-5.031	3.25
85	MP3B	X	-2.904	3.25
86	MP3B	Z	0	3.25
87	MP3B	Mx	-5.031	3.25
88	MP3B	X		3.25
89	MP3B	Z	-2.904	3.25
90	MP3B	Mx	0	3.25
91	MP3C	X	-3.967	3.25
92	MP3C	Z	-2.29	
93	MP3C	Mx	.002	3.25
94	MP3C	X	-3.967	3.25
95	MP3C	Z	-2.29	3.25
96	MP3C	Mx	.002	3.25
97	MP1A	X	-18.035	.17
	MP1A	Z	-10.412	.17
98	MD1A	Mx	.018	.17
99	MP1A		-18.035	5.83
100	MP1A	X	-10.412	5.83
101	MP1A		.018	5.83
102	MP1A	Mx	-20.885	.17
103	MP1B	X	-12.058	.17
104	MP1B	Z		.17
105	MP1B	Mx	0	5.83
106	MP1B	X	-20.885	5.83
107	MP1B	Z	-12.058	5.03
108	MP1B	Mx	0	5.83
109	MP1C	X	-18.035	.17
110	MP1C	Ž	-10.412	.17
111	MP1C	Mx	018	.17
112	MP1C	X	-18.035	5.83
	MP1C	Z	-10.412	5.83
113	MP1C MP1C	Mx	018	5.83



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5A	X	-2.687	5.25
	MP5A	Z	-4.654	5.25
3	MP5A	Mx	.000672	5.25
4	MP5A	X	-2.687	5.25
5	MP5A	Z	-4.654	5.25
6	MP5A	Mx	-,000672	5.25
7	MP5A	X	-13.24	.68
8	MP5A	Z	-22.933	.68
9	MP5A	Mx	006	.68
10	MP5A	X	-13.24	6.16
11	MP5A	Z	-22,933	6.16
12	MP5A	Mx	006	6.16
13	MP5B	X	-13.24	.68
14	MP5B	Z	-22.933	.68
15	MP5B	Mx	.032	.68
16	MP5B	X	-13.24	6.16
17	MP5B	Z	-22.933	6.16
18	MP5B	Mx	.032	6.16
19	MP5C	X	-10.764	.68
20	MP5C	Z	-18.644	.68
21	MP5C	Mx	024	.68
22	MP5C	X	-10.764	6.16
23	MP5C	Z	-18.644	6.16
24	MP5C	Mx	024	6.16
25	MP5A	X	-13.24	.68
26	MP5A	Z	-22.933	.68
27	MP5A	Mx	.032	.68
28	MP5A	X	-13.24	6.16
29	MP5A	Z	-22.933	6.16
30	MP5A	Mx	.032	6.16
31	MP5B	X	-13.24	.68
32	MP5B	Z	-22.933	.68
33	MP5B	Mx	006	.68
34	MP5B	X	-13.24	6.16
35	MP5B	Z	-22.933	6.16
36	MP5B	Mx	006	6.16
37	MP5C	X	-10.764	.68
38	MP5C	Z	-18.644	.68
39	MP5C	Mx	018	.68
40	MP5C	X	-10.764	6.16
41	MP5C	Z	-18.644	6.16
42	MP5C	Mx	018	6.16
43	MP3A	X	-5.949	.62
44	MP3A	Z	-10.304	.62
45	MP3A	Mx	.006	
46	MP3A	X	-5.949	.62 2.55
47	MP3A	Z	-10.304	2.55
48	MP3A	Mx	.006	
49	MP3B	X	-5.949	2.55
50	MP3B	Ž	-10.304	.62
51	MP3B	Mx		.62
52	MP3B	X	.006	.62
53	MP3B	Z	-5.949 10.304	2.55
54	MP3B	Mx	-10.304	2.55
55	MP3C	X	.006	2.55
56	MP3C	Z	-3.072	.62
57	MP3C		-5.321	.62
91	IVII JU	Mx	006	,62



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Wi (330 Deg)) (Continued) Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-3,072	2.55
59	MP3C	Z	-5.321	2.55
60	MP3C	Mx	006	2.55
61 '	MP4A	X	-2.683	3.25
62	MP4A	Z	-4.647	3,25
63	MP4A	Mx	002	3.25
	MP4A	X	-2.683	3.25
64	MP4A	Z	-4.647	3.25
65		Mx	002	3.25
66	MP4A	X	-2.683	3.25
67	MP4B	Z	-4.647	3.25
68	MP4B		002	3.25
69	MP4B	Mx	-2.683	3.25
70	MP4B	X		3.25
71	MP4B	Z	-4.647	3.25
72	MP4B	Mx	002	3.25
73	MP4C	X	-2.044	
74	MP4C	Z	-3.541	3.25
75	MP4C	Mx	.003	3.25
76	MP4C	X	-2.044	3.25
77	MP4C	Z	-3.541	3.25
78	MP4C	Mx	.003	3.25
79	MP3A	X	-2.643	3.25
	MP3A	Z	-4.577	3.25
80		Mx	002	3.25
81	MP3A	X	-2.643	3.25
82	MP3A	Z	-4.577	3.25
83	MP3A		002	3.25
84	MP3A	Mx	-2.643	3.25
85	MP3B	X		3.25
86	MP3B	Z	-4.577	3,25
87	MP3B	Mx	002	3.25
88	MP3B	X	-2.643	3.25
89	MP3B	Z	-4.577	
90	MP3B	Mx	002	3.25
91	MP3C	X	-1.889	3.25
92	MP3C	Z	-3.272	3.25
93	MP3C	Mx	,002	3.25
94	MP3C	X	-1.889	3.25
	MP3C	Z	-3.272	3.25
95	MP3C	Mx	.002	3.25
96		X	-11.51	.17
97	MP1A	Z	-19.935	.17
98	MP1A		.012	.17
99	MP1A	Mx	-11.51	5.83
100	MP1A	X		5.83
101	MP1A	Z	-19.935	5.83
102	MP1A	Mx	.012	.17
103	MP1B	X	-11.51	.17
104	MP1B	Z	-19.935	
105	MP1B	Mx	.012	.17
106	MP1B	X	-11.51	5.83
107	MP1B	Z	-19.935	5.83
108	MP1B	Mx	.012	5.83
	MP1C	X	-9.864	.17
109		Z	-17.084	.17
110	MP1C	Mx	02	.17
111	MP1C	X	-9.864	5.83
112	MP1C	Z	-17.084	5.83
113	MP1C		02	5.83
114	MP1C	Mx	02	



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

1	Member Label MP5A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5A	X	0	5.25
3			-1.806	5.25
4	MP5A MP5A	Mx	0	5.25
5		X	0	5.25
6	MP5A	Z	-1.806	5.25
	MP5A	Mx	0	5.25
7	MP5A	X	0	.68
8	MP5A	Z	-4.475	.68
9	MP5A	Mx	004	.68
10	MP5A	X	0	6.16
11	MP5A	Z	-4.475	6.16
12	MP5A	Mx	004	6.16
13	MP5B	X	0	.68
14	MP5B	Z	-3.63	.68
15	MP5B	Mx	.005	.68
16	MP5B	X	0	6.16
17	MP5B	Z	-3.63	6.16
18	MP5B	Mx	.005	6.16
19	MP5C	X	0	.68
20	MP5C	Z	-3.481	.68
21	MP5C	Mx	002	.68
22	MP5C	X	0	6.16
23	MP5C	Z	-3.481	6.16
24	MP5C	Mx	002	6.16
25	MP5A	X	0	.68
26	MP5A	Z	-4.475	.68
27	MP5A	Mx	.004	.68
28	MP5A	X	0	6.16
29	MP5A	Z	-4.475	6.16
30	MP5A	Mx	.004	6.16
31	MP5B	X	0	.68
32	MP5B	Z	-3.63	.68
33	MP5B	Mx	.002	.68
34	MP5B	X	0	6.16
35	MP5B	Z	-3.63	6.16
36	MP5B	Mx	.002	6.16
37	MP5C	X	0	.68
38	MP5C	Z	-3.481	.68
39	MP5C	Mx	004	.68
40	MP5C	X	0	6.16
41	MP5C	Z	-3.481	6.16
42	MP5C	Mx	004	6.16
43	MP3A	X	0	.62
44	MP3A	Z	-3.708	.62
45	MP3A	Mx	-5.708	.62
46	MP3A	X	Ö	2.55
47	MP3A	Z	-3.708	
48	MP3A	Mx	-5.708	2.55 2.55
49	MP3B	X	0	.62
50	MP3B	Z	-1.885	
51	MP3B	Mx	.002	.62
52	MP3B	X		.62
53	MP3B	Z	0	2.55
54	MP3B	Mx	-1.885	2.55
55	MP3C	X	.002	2.55
56	MP3C	Z	0	.62
57	MP3C	Mx	-1.562	.62
51	IVII JU	IVIX	001	.62



: Colliers Engineering & Design : enieto

Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	0	2.55
59	MP3C	Z	-1.562	2.55
60	MP3C	Mx	001	2.55
61	MP4A	X	0	3.25
62	MP4A	Z	-1.458	3.25
63	MP4A	Mx	0	3.25
64	MP4A	X	0	3.25
65	MP4A	Z	-1.458	3.25
66	MP4A	Mx	0	3.25
67	MP4B	X	0	3.25
68	MP4B	Z	-1.098	3.25
69	MP4B	Mx	000634	3.25
70	MP4B	X	0	3.25
71	MP4B	Z	-1.098	3.25
72	MP4B	Mx	000634	3.25
73	MP4C	X	0	3.25
74	MP4C	Z	-1.034	3.25
75	MP4C	Mx	.000648	3.25
76	MP4C	X	0	3.25
77	MP4C	Z	-1.034	3.25
78	MP4C	Mx	.000648	3.25
79	MP3A	X	0	3.25
80	MP3A	Z	-1.458	3.25
81	MP3A	Mx	0	3.25
82	MP3A	X	0	3.25
83	MP3A	Z	-1.458	3.25
84	MP3A	Mx	0	3.25
85	MP3B	X	0	3.25
86	MP3B	Z	-1.027	3.25
87	MP3B	Mx	000593	3.25
88	MP3B	X	0	3.25
89	MP3B	Z	-1.027	3.25
90	MP3B	Mx	000593	3.25
91	MP3C	X	0	3.25
92	MP3C	Z	951	3.25
93	MP3C	Mx	.000596	3.25
94	MP3C	X	0	3.25
95	MP3C	Z	951	3.25
96	MP3C	Mx	.000596	3.25
97	MP1A	X	0	.17
98	MP1A	Z	-7.757	.17
99	MP1A	Mx	0	.17
100	MP1A	X	0	5.83
101	MP1A	Z	-7.757	5.83
102	MP1A	Mx	0	5.83
103	MP1B	X	0	.17
104	MP1B	Z	-6.618	.17
105	MP1B	Mx	.006	.17
106	MP1B	X	0	5.83
107	MP1B	Z	-6.618	5.83
108	MP1B	Mx	.006	5.83
108	MP1C	X	0	.17
	MP1C MP1C	Ž	-6.618	.17
110	MP1C MP1C	Mx	006	.17
111		X	0	5.83
112	MP1C	Z	-6.618	5.83
113	MP1C MP1C	Mx	006	5.83



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	MP5A	X	.746	5.25
2	MP5A	Z	-1.291	5.25
3	MP5A	Mx	000186	5.25
4	MP5A	X	.746	5.25
5	MP5A	Z	-1.291	5.25
6	MP5A	Mx	.000186	5.25
7	MP5A	X	2.097	.68
8	MP5A	Z	-3.631	.68
9	MP5A	Mx	005	.68
10	MP5A	X	2.097	6.16
11	MP5A	Z	-3.631	6.16
12	MP5A	Mx	005	6.16
13	MP5B	X	1.674	.68
14	MP5B	Z	-2.9	.68
15	MP5B	Mx	.003	.68
16	MP5B	X	1.674	6.16
17	MP5B	Z	-2.9	6.16
18	MP5B	Mx	.003	6.16
19	MP5C	X	2.005	.68
20	MP5C	Z	-3.472	.68
21	MP5C	Mx	-1.7e-5	.68
22	MP5C	X	2.005	6.16
23	MP5C	Z	-3.472	6.16
24	MP5C	Mx	-1.7e-5	6.16
25	MP5A	X	2.097	.68
26	MP5A	Z	-3.631	.68
27	MP5A	Mx	.000929	.68
28	MP5A	X	2.097	6.16
29	MP5A	Z	-3.631	6.16
30	MP5A	Mx	.000929	6.16
31	MP5B	X	1.674	.68
32	MP5B	Z	-2.9	.68
33	MP5B	Mx	.003	.68
34	MP5B	X	1.674	6.16
35	MP5B	Z	-2.9	6.16
36	MP5B	Mx	.003	6.16
37	MP5C	X	2.005	.68
38	MP5C	Z	-3.472	.68
39	MP5C	Mx	005	.68
40	MP5C	X	2.005	6.16
41	MP5C	Z	-3.472	6.16
42	MP5C	Mx	005	6.16
43	MP3A		1.55	.62
44	MP3A	X	-2.685	.62
45	MP3A	Mx	002	.62
46	MP3A	X	1.55	2.55
47	MP3A	Z	-2.685	2.55
48	MP3A	Mx	002	2.55
49	MP3B	X	.639	.62
50	MP3B	Z	-1.106	.62
51	MP3B	Mx	.001	.62
52	MP3B	X	.639	2.55
53	MP3B	Z	-1.106	
54	MP3B	Mx	.001	2.55
55	MP3C	X	1.352	2.55
56	MP3C	Z	-2.342	.62
57	MP3C	Mx	-2.342	.62
VI	IVII OO	AIVI	002	.62



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	1.352	2.55
59	MP3C	<u>Z</u>	-2.342	2.55
60	MP3C	Mx	002	3.25
31	MP4A	X	.669	3.25
32	MP4A	Z	-1.159	3.25
33	MP4A	Mx	.000446	3.25
64	MP4A	X	.669	3.25
35	MP4A	Z	-1.159	3.25
66	MP4A	Mx	.000446	3.25
57	MP4B	X	.489	3.25
88	MP4B	Z	847	3.25
59	MP4B	Mx	000652	3.25
70	MP4B	X	.489	3.25
1	MP4B	Z	847	
2	MP4B	Mx	000652	3.25
73	MP4C	X	.63	3.25
74	MP4C	Z	-1.091	3.25
75	MP4C	Mx	.00054	3.25
6	MP4C	X	.63	3.25
7	MP4C	Z	-1.091	3.25
78	MP4C	Mx	.00054	3.25
79	МРЗА	X	.657	3.25
30	MP3A	Z	-1.138	3.25
31	MP3A	Mx	.000438	3.25
32	MP3A	X	.657	3.25
33	MP3A	Z	-1.138	3.25
34	MP3A	Mx	.000438	3.25
35	MP3B	X	.442	3.25
36	MP3B	Z	766	3.25
37	MP3B	Mx	00059	3.25
38	MP3B	X	.442	3.25
39	MP3B	Z	766	3.25
90	MP3B	Mx	00059	3.25
91	MP3C	X	.61	3.25
92	MP3C	Z	-1.057	3.25
93	MP3C	Mx	.000523	3.25
94	MP3C	X	.61	3.25
95	MP3C	Z	-1.057	3.25
	MP3C	Mx	.000523	3.25
96 97	MP1A	X	3.689	.17
98	MP1A	Ž	-6.389	.17
	MP1A	Mx	004	.17
99	MP1A	X	3.689	5.83
00	MP1A	Z	-6.389	5.83
01	MP1A	Mx	004	5.83
02	MP1B	X	3.119	.17
03	MP1B	Ž	-5,402	.17
04		Mx	.006	.17
05	MP1B	X	3.119	5.83
06	MP1B	Z	-5.402	5.83
07	MP1B	Mx	.006	5.83
108	MP1B	X	3.689	.17
09	MP1C	Z	-6.389	.17
10	MP1C		004	.17
111	MP1C	Mx	3.689	5.83
112	MP1C	X	-6.389	5.83
113	MP1C	Z	004	5.83
114	MP1C	Mx	004 \ \Pay 0\Calce\5000382880-\7W	



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	mber Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	MP5A	X	.747	5.25
2	MP5A		431	5.25
	MP5A	Mx	000187	5.25
	MP5A	X	.747	5.25
	MP5A	Z	431	5.25
	MP5A	Mx	.000187	5.25
	MP5A	X	3.144	.68
	MP5A	Z	-1.815	.68
	MP5A	Mx	005	.68
	MP5A	X	3.144	6.16
	MP5A	Z	-1.815	6.16
	MP5A	Mx	005	6.16
	MP5B	X	3.144	.68
	MP5B	Z	-1.815	.68
	MP5B	Mx	.002	.68
	MP5B	X	3.144	6.16
	MP5B	Z	-1.815	6.16
	MP5B	Mx	.002	6.16
	MP5C	X	3.846	.68
	MP5C	Z	-2.22	.68
	MP5C	Mx	.003	.68
22	MP5C	X	3.846	6.16
	MP5C	Z	-2.22	6.16
	MP5C	Mx	.003	6.16
25	MP5A	X	3.144	.68
	MP5A	Z	-1.815	.68
	MP5A	Mx	002	.68
	MP5A	X	3.144	6.16
	MP5A	Z	-1.815	6.16
	MP5A	Mx	002	6.16
	MP5B	X	3.144	.68
	MP5B	Z	-1.815	.68
	MP5B	Mx	.005	.68
	MP5B	X	3.144	6.16
	MP5B	Z	-1.815	6.16
	MP5B	Mx	.005	6.16
	MP5C	X	3.846	.68
	MP5C	Z	-2.22	.68
	MP5C	Mx	004	.68
	MP5C	X	3.846	6.16
	MP5C	Z	-2.22	6.16
	MP5C	Mx	004	6.16
43 N	/IP3A	X	1.632	.62
44 N	ЛРЗА	Z	942	.62
	/IP3A	Mx	002	.62
	/IP3A	X	1.632	2.55
	/IP3A	Z	942	2.55
	/IP3A	Mx	002	2.55
19 1	/IP3B	X	1.632	.62
50 N	ЛРЗВ	Z	942	.62
51 N	ЛРЗВ	Mx	.002	.62
52 N	ЛРЗВ	X	1.632	2.55
	AP3B	Z	942	2.55
	MP3B	Mx	.002	2.55
	MP3C	X	3.148	.62
	MP3C	Z	-1.818	.62
	MP3C	Mx	000632	.62



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: Project No. 10207141 : 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Mm (60 Deg)) (Continued) Magnitude(lb,k-ft)	Location[ft,%]
58	MP3C	X	3.148	2.55
59	MP3C	Z	-1.818	2.55
60	MP3C	Mx	000632	2.55
61	MP4A	X	.951	3.25
62	MP4A	Z	549	3.25
63	MP4A	Mx	.000634	3.25
64	MP4A	X	.951	3.25
65	MP4A	Z	549	3.25
66	MP4A	Mx	.000634	3.25
67	MP4B	X	.951	3.25
68	MP4B	Ž	549	3.25
	MP4B	Mx	000634	3.25
69	MP4B	X	.951	3.25
70		Ž	549	3.25
71	MP4B	Mx	000634	3.25
72	MP4B		1.25	3.25
73	MP4C	Z	722	3.25
74	MP4C		.000167	3.25
75	MP4C	Mx	1.25	3.25
76	MP4C	<u> </u>	722	3.25
77	MP4C	Z	.000167	3.25
78	MP4C	Mx		3.25
79	MP3A	X	.89	3.25
80	MP3A	Z	514	3.25
81	MP3A	Mx	.000593	3.25
82	MP3A	X	.89	
83	MP3A	Z	514	3.25
84	MP3A	Mx	.000593	3.25
85	MP3B	X	.89	3.25
86	MP3B	Z	514	3.25
87	MP3B	Mx	000593	3.25
88	MP3B	X	.89	3.25
89	MP3B	Z	514	3.25
90	MP3B	Mx	000593	3.25
91	MP3C	X	1.247	3.25
92	MP3C	Z	72	3.25
93	MP3C	Mx	.000167	3.25
	MP3C	X	1.247	3.25
94		Z	72	3.25
95	MP3C	Mx	.000167	3.25
96	MP3C	X	5.731	.17
97	MP1A	Ž	-3.309	.17
98	MP1A		006	.17
99	MP1A	Mx	5.731	5.83
100	MP1A	X	-3.309	5.83
101	MP1A	Z	006	5.83
102	MP1A	Mx	5.731	.17
103	MP1B	X	-3.309	.17
104	MP1B	Z		.17
105	MP1B	Mx	.006	5.83
106	MP1B	X	5.731	5.83
107	MP1B	Z	-3.309	5.83
108	MP1B	Mx	.006	.17
109	MP1C	X	6.718	.1/
110	MP1C	Z	-3.879	.17
111	MP1C	Mx	0	.17
112	MP1C	X	6.718	5.83
113	MP1C	Z	-3.879	5.83
114	MP1C	Mx	0	5.83



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5A	X	.548	5.25
3	MP5A	Z	0	5.25
	MP5A	Mx	000137	5.25
4	MP5A	X	.548	5.25
5	MP5A	Z	0	5.25
6	MP5A	Mx	.000137	5.25
7	MP5A	X	3.349	.68
8	MP5A	Z	0	.68
9	MP5A	Mx	003	.68
10	MP5A	X	3.349	6.16
11	MP5A	Z	0	6.16
12	MP5A	Mx	003	6.16
13	MP5B	X	4.193	.68
14	MP5B	Z	0	.68
15	MP5B	Mx	00093	.68
16	MP5B	X	4.193	6.16
17	MP5B	Z	0	6.16
18	MP5B	Mx	00093	6.16
19	MP5C	X	4.343	.68
20	MP5C	Z	0	.68
21	MP5C	Mx	.005	.68
22	MP5C	X	4.343	6.16
23	MP5C	Z	0	6.16
24	MP5C	Mx	.005	6.16
25	MP5A	X	3.349	.68
26	MP5A	Ž	0	.68
27	MP5A	Mx	003	.68
28	MP5A	X	3.349	
29	MP5A	Z	0	6.16
30	MP5A	Mx	003	6.16
31	MP5B	X	4.193	6.16
32	MP5B	Z	0	.68
33	MP5B	Mx	.005	.68
34	MP5B	X	4.193	.68
35	MP5B	Z	0	6.16
36	MP5B	Mx	.005	6.16
37	MP5C	X		6.16
38	MP5C	Z	4.343	.68
39	MP5C	Mx		.68
10	MP5C	X	002	.68
41	MP5C	Ž	4.343	6.16
12	MP5C	Mx	0	6.16
13	MP3A		002	6.16
14	MP3A	Z	1.277	.62
15	MP3A	Mx	0	.62
6	MP3A		001	.62
7	MP3A	Z	1.277	2.55
8	MP3A		0	2.55
9	MP3B	Mx	001	2.55
0	MP3B	X	3.101	.62
51		Z	0	.62
	MP3B	Mx	.002	.62
2	MP3B	X	3.101	2.55
3	MP3B	Z	0	2.55
4	MP3B	Mx	.002	2.55
5	MP3C	X	3.424	.62
6	MP3C	Z	0	.62
57	MP3C	Mx	.001	.62



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	3.424	2.55
59	MP3C	Z	.0	2.55
60	MP3C	Mx	.001	2.55
61	MP4A	X	.978	3.25
62	MP4A	Z	0	3.25
63	MP4A	Mx	.000652	3.25
	MP4A	X	.978	3.25
64		Z	0	3.25
65	MP4A	Mx	.000652	3.25
66	MP4A	X	1.338	3.25
67	MP4B	Ž	0	3.25
68	MP4B		000446	3.25
69	MP4B	Mx	1.338	3.25
70	MP4B	X		3.25
71	MP4B	Z	0	3.25
72	MP4B	Mx	000446	3.25
73	MP4C	X	1.402	
74	MP4C	Z	0	3.25
75	MP4C	Mx	00032	3.25
76	MP4C	X	1.402	3.25
77	MP4C	Z	0	3.25
78	MP4C	Mx	00032	3.25
	MP3A	X	.884	3.25
79		Z	0	3.25
80	MP3A	Mx	.000589	3.25
81	MP3A		.884	3.25
82	MP3A	X	0	3.25
83	MP3A	Z	.000589	3.25
84	MP3A	Mx		3.25
85	MP3B	X	1.314	3.25
86	MP3B	Z	0	
87	MP3B	Mx	000438	3.25
88	MP3B	X	1.314	3.25
89	MP3B	Z	0	3.25
90	MP3B	Mx	000438	3.25
91	MP3C	X	1.391	3.25
92	MP3C	Z	0	3.25
93	MP3C	Mx	000317	3.25
	MP3C	X	1.391	3.25
94		Z	0	3.25
95	MP3C	Mx	000317	3.25
96	MP3C		6.238	.17
97	MP1A	X	0	.17
98	MP1A	Z		.17
99	MP1A	Mx	006	5.83
100	MP1A	X	6.238	5.83
101	MP1A	Z	0	
102	MP1A	Mx	006	5.83
103	MP1B	X	7.377	.17
104	MP1B	Z	0	.17
105	MP1B	Mx	.004	.17
106	MP1B	X	7.377	5.83
107	MP1B	Z	0	5.83
	MP1B	Mx	.004	5.83
108		X	7.377	.17
109	MP1C	Z	0	.17
110	MP1C		.004	.17
111	MP1C	Mx	7 277	5.83
112	MP1C	X	7.377	5.83
113	MP1C	Z	0	5.83
114	MP1C	Mx	.004	0.00



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enieto Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

1	Member Label MP5A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	MP5A	X	.747	5.25
2		Z	.431	5.25
3	MP5A	Mx	000187	5.25
4	MP5A	X	.747	5.25
5	MP5A	Z	.431	5.25
6	MP5A	Mx	.000187	5.25
7	MP5A	X	3.144	.68
8	MP5A	Z	1.815	.68
9	MP5A	Mx	002	.68
10	MP5A	X	3.144	6.16
11	MP5A	Z	1.815	6.16
12	MP5A	Mx	002	6.16
13	MP5B	X	3.875	.68
14	MP5B	Z	2.237	.68
15	MP5B	Mx	004	.68
16	MP5B	X	3.875	6.16
17	MP5B	Z	2.237	6.16
18	MP5B	Mx	004	6.16
19	MP5C	X	3.303	.68
20	MP5C	Z	1.907	.68
21	MP5C	Mx	.005	.68
22	MP5C	X	3.303	6.16
23	MP5C	Z	1.907	6.16
24	MP5C	Mx	.005	6.16
25	MP5A	X	3.144	.68
26	MP5A	Z	1.815	.68
27	MP5A	Mx	005	.68
28	MP5A	X	3.144	6.16
29	MP5A	Z	1.815	6.16
30	MP5A	Mx	005	6.16
31	MP5B	X	3.875	.68
32	MP5B	Z	2.237	.68
33	MP5B	Mx	.004	.68
34	MP5B	X	3.875	6.16
35	MP5B	Z	2.237	6.16
36	MP5B	Mx	.004	6.16
37	MP5C	X	3.303	.68
38	MP5C	Z	1.907	.68
39	MP5C	Mx	.000879	.68
40	MP5C	X	3.303	6.16
41	MP5C	Z	1.907	
42	MP5C	Mx	.000879	6.16
43	MP3A	X		6.16
44	MP3A	Ž	1.632 .942	.62
45	MP3A	Mx	002	.62
46	MP3A			.62
47	MP3A	X	1.632	2.55
48	MP3A		.942	2.55
49	MP3B	Mx	002	2.55
50	MP3B MP3B	X	3.212	.62
51			1.854	.62
	MP3B	Mx	0	.62
52	MP3B	X	3.212	2.55
53	MP3B	Z	1.854	2.55
54	MP3B	Mx	0	2.55
55	MP3C	X	1.976	.62
56	MP3C	Z	1.141	.62
57	MP3C	Mx	.002	.62



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	1.976	2.55 2.55
59	MP3C	Z	1.141	2.55
60	MP3C	Mx	.002	3.25
61	MP4A	X	.951	3.25
62	MP4A	Z	.549	3.25
63	MP4A	Mx	.000634	
64	MP4A	X	.951	3.25
65	MP4A	Z	.549	3.25
66	MP4A	Mx	.000634	3.25
67	MP4B	X	1.262	3.25
68	MP4B	<u>Z</u>	.729	3.25
69	MP4B	Mx	0	3.25
70	MP4B	X	1.262	3.25
71	MP4B	Z	.729	3.25
72	MP4B	Mx	0	3.25
73	MP4C	X	1.019	3.25
74	MP4C	Z	.588	3.25
75	MP4C	Mx	000601	3.25
76	MP4C	X	1.019	3.25
77	MP4C	Z	.588	3.25
78	MP4C	Mx	000601	3.25
79	MP3A	X	.89	3.25
80	MP3A	Z	.514	3.25
81	MP3A	Mx	.000593	3.25
82	MP3A	X	.89	3.25
83	MP3A	Z	.514	3.25
84	MP3A	Mx	.000593	3.25
85	MP3B	X	1.262	3.25
86	MP3B	Z	.729	3.25
87	MP3B	Mx	0	3.25
88	MP3B	X	1.262	3.25
89	MP3B	Z	.729	3.25
90	MP3B	Mx	0	3.25
91	MP3C	X	.971	3.25
92	MP3C	Z	.561	3.25
93	MP3C	Mx	000573	3.25
94	MP3C	X	.971	3.25
95	MP3C	Z	.561	3.25
96	MP3C	Mx	000573	3.25
97	MP1A	X	5.731	.17
98	MP1A	Z	3.309	.17
	MP1A MP1A	Mx	006	.17
99	MP1A	X	5.731	5.83
100 101	MP1A	Z	3.309	5.83
	MP1A	Mx	006	5.83
102	MP1B	X	6.718	.17
103	MP1B	Z	3.879	.17
104		Mx	0	.17
105	MP1B		6.718	5.83
106	MP1B	X	3.879	5.83
107	MP1B		0	5.83
108	MP1B	Mx	5.731	.17
109	MP1C	X	3.309	1,17
110	MP1C		.006	.17
111	MP1C	Mx	5.731	5.83
112	MP1C	X	3.309	5.83
113	MP1C	Z		5.83
114	MP1C	Mx	.006	0.00



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	nber Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1 1	MP5A	X	.746	5.25
	MP5A	Z	1.291	5.25
	MP5A	Mx	000186	5.25
	MP5A	X	.746	5.25
	MP5A	Z	1.291	5.25
	MP5A	Mx	.000186	5.25
	/IP5A	X	2.097	.68
	/IP5A	Z	3.631	.68
9 1	/IP5A	Mx	.000929	.68
	/IP5A	X	2.097	6.16
	/IP5A	Z	3.631	6.16
	/IP5A	Mx	.000929	6.16
	/IP5B	X	2.097	.68
	MP5B	Z	3.631	.68
	MP5B	Mx	005	.68
	/IP5B	X	2.097	6.16
	/IP5B	Z	3.631	6.16
	/IP5B	Mx	005	6.16
	/IP5C	X	1.691	
	MP5C	Z	2.93	.68
	/IP5C	Mx	.004	.68
	MP5C	X	1.691	6.16
	MP5C	Z	2.93	6.16
	1P5C	Mx	.004	6.16
	1P5A	X	2.097	.68
	1P5A	Z	3.631	.68
	1P5A	Mx	005	.68
	1P5A	X	2.097	6.16
	1P5A	Z	3.631	6.16
	1P5A	Mx	005	6.16
	1P5B	X	2.097	.68
32 N	1P5B	Z	3.631	.68
	1P5B	Mx	.00093	.68
34 N	1P5B	X	2.097	6.16
35 N	IP5B	Z	3.631	6.16
	P5B	Mx	.00093	6.16
	IP5C	X	1.691	.68
38 N	IP5C	Z	2.93	.68
39 N	IP5C	Mx	.003	.68
	IP5C	X	1.691	6,16
41 N	IP5C	Z	2.93	6.16
42 N	IP5C	Mx	.003	6.16
43 N	IP3A	X	1.55	.62
44 N	IP3A	Z	2.685	.62
45 N	IP3A	Mx	002	.62
46 N	IP3A	X	1.55	2.55
47 N	IP3A	Z	2.685	2.55
48 N	P3A	Mx	002	2.55
	IP3B	X	1.55	.62
	IP3B	Z	2.685	.62
	IP3B	Mx	002	.62
	IP3B	X	1.55	2.55
	P3B	Z	2.685	2.55
	IP3B	Mx	002	2.55
	P3C	X	.675	.62
	P3C	Z	1.17	.62
	P3C	Mx	.001	.62



: Colliers Engineering & Design : enieto

: Project No. 10207141 : 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	.675	2.55
59	MP3C	Z	1.17	2.55
60	MP3C	Mx	.001	2.55
61	MP4A	X	.669	3.25
62	MP4A	Z	1.159	3.25
63	MP4A	Mx	.000446	3.25
64	MP4A	X	.669	3.25
65	MP4A	Z	1.159	3.25
66	MP4A	Mx	.000446	3.25
67	MP4B	X	.669	3.25
68	MP4B	Z	1.159	3.25
	MP4B	Mx	.000446	3.25
69		X	.669	3.25
70	MP4B	Z	1.159	3.25
71	MP4B		.000446	3.25
72	MP4B	Mx	.496	3.25
73	MP4C	X	.86	3.25
74	MP4C	Z		3.25
75	MP4C	Mx	000652	3.25
76	MP4C	X	.496	3.25
77	MP4C	Z	.86	3.25
78	MP4C	Mx	000652	
79	MP3A	X	.657	3.25
80	MP3A	Z	1.138	3.25
81	MP3A	Mx	.000438	3.25
82	MP3A	X	.657	3.25
83	MP3A	Z	1.138	3.25
84	MP3A	Mx	.000438	3.25
85	MP3B	X	.657	3.25
86	MP3B	Z	1.138	3.25
87	MP3B	Mx	.000438	3.25
88	MP3B	X	.657	3.25
	MP3B	Z	1.138	3.25
89		Mx	.000438	3.25
90	MP3B	X	.451	3.25
91	MP3C	Z	.781	3.25
92	MP3C	Mx	000592	3.25
93	MP3C		.451	3.25
94	MP3C	X	.781	3.25
95	MP3C	Z	000592	3.25
96	MP3C	Mx	3.689	.17
97	MP1A	X		.17
98	MP1A	Z	6.389	.17
99	MP1A	Mx	004	5.83
100	MP1A	X	3.689	
101	MP1A	Z	6.389	5.83
102	MP1A	Mx	004	5.83
103	MP1B	X	3.689	.17
104	MP1B	Z	6.389	.17
105	MP1B	Mx	004	.17
106	MP1B	X	3.689	5.83
107	MP1B	Z	6.389	5.83
	MP1B	Mx	004	5.83
108	MP1C	X	3.119	.17
109		Z	5.402	.17
110	MP1C	Mx	.006	.17
111	MP1C		3.119	5.83
112	MP1C	X	5.402	5.83
113	MP1C	Z	.006	5.83



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	0	5.25
2	MP5A	Z	1.806	5.25
3	MP5A	Mx	0	5.25
4	MP5A	X	0	5.25
5	MP5A	Z	1.806	5.25
6	MP5A	Mx	0	5.25
7	MP5A	X	0	.68
8	MP5A	Z	4.475	.68
9	MP5A	Mx	.004	.68
10	MP5A	X	0	6.16
11	MP5A	Z	4.475	6.16
12	MP5A	Mx	.004	6.16
13	MP5B	X	0	.68
14	MP5B	Z	3.63	.68
15	MP5B	Mx Mx	005	.68
16	MP5B	X	0	6.16
17	MP5B	Z	3.63	6.16
18	MP5B	Mx	005	6.16
19	MP5C	X	0	.68
20	MP5C	Z	3.481	.68
21	MP5C	Mx	.002	.68
22	MP5C	X	0	6.16
23	MP5C	Z	3.481	6.16
24	MP5C	Mx	.002	6.16
25	MP5A	X	0	.68
26	MP5A	Z	4.475	.68
27	MP5A	Mx	004	.68
28	MP5A	X	0	6.16
29	MP5A	Z	4.475	6.16
30	MP5A	Mx	004	6.16
31	MP5B	X	0	.68
32	MP5B	Z	3.63	.68
33	MP5B	Mx	002	.68
34	MP5B	X	0	6.16
35	MP5B	Z	3.63	6.16
36	MP5B	Mx	002	6.16
37	MP5C	X	0	.68
38	MP5C	Z	3.481	.68
39	MP5C	Mx	.004	.68
40	MP5C	X	0	6.16
41	MP5C	Z	3.481	6.16
42	MP5C	Mx	.004	6.16
43	MP3A	X	0	.62
44	MP3A	Z	3.708	.62
45	MP3A	Mx	0	.62
46	MP3A	X	0	2.55
47	MP3A	Z	3.708	
48	MP3A	Mx	0	2.55 2.55
49	MP3B	X	0	.62
50	MP3B	Ž	1.885	.62
51	MP3B	Mx	002	.62
52	MP3B	X	002	
53	MP3B	Z		2.55
54	MP3B	Mx	1.885	2.55
55	MP3C	X	002	2.55
56	MP3C		0	.62
57	MP3C	Z Mx	1.562	.62
JI	IVIF JU	IVIX	.001	.62



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: Project No. 10207141 : 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Wm (180 Deg)) (Continued Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	0	2.55
59	MP3C	X	1.562	2.55
60	MP3C	Mx	.001	2.55
61	MP4A	X	0	3.25
62	MP4A	Z	1.458	3.25
	MP4A	Mx	0	3.25
63		X	0	3.25
64	MP4A	Z	1.458	3.25
65	MP4A		0	3.25
66	MP4A	Mx	0	3.25
67	MP4B	X	1.098	3.25
68	MP4B	Z		3.25
69	MP4B	Mx	.000634	3.25
70	MP4B	X	0	
71	MP4B	Z	1.098	3.25
72	MP4B	Mx	.000634	3.25
73	MP4C	X	0	3.25
74	MP4C	Z	1.034	3.25
75	MP4C	Mx	000648	3.25
76	MP4C	X	0	3.25
77	MP4C	Ž	1.034	3.25
	MP4C	Mx	000648	3.25
78		X	0	3.25
79	MP3A	Z	1.458	3.25
80	MP3A		0	3.25
81	MP3A	Mx	0	3.25
82	MP3A	X	1.458	3.25
83	MP3A	Z		3.25
84	MP3A	Mx	0	3.25
85	MP3B	X	0	3.25
86	MP3B	Z	1.027	
87	MP3B	Mx	.000593	3.25
88	MP3B	X	0	3.25
89	MP3B	Z	1.027	3.25
90	мР3В	Mx	.000593	3.25
91	MP3C	X	0	3.25
92	MP3C	Z	.951	3.25
93	MP3C	Mx	000596	3.25
			0	3.25
94	MP3C	X	.951	3.25
95	MP3C	Mx	000596	3.25
96	MP3C		0	.17
97	MP1A	X	7.757	.17
98	MP1A	Z	0	.17
99	MP1A	Mx		5.83
100	MP1A	X	0	5.83
101	MP1A	Z	7.757	
102	MP1A	Mx	0	5.83
103	MP1B	X	0	.17
104	MP1B	Z	6.618	.17
105	MP1B	Mx	006	.17
106	MP1B	X	0	5.83
107	MP1B	Z	6.618	5.83
	MP1B	Mx	006	5.83
108		X	0	.17
109	MP1C	Ž	6.618	.17
110	MP1C		.006	.17
111	MP1C	Mx		5.83
112	MP1C	X	0	5.83
113	MP1C	Z	6.618	5.83
114	MP1C	Mx	.006	0.00



: Colliers Engineering & Design : enieto : Project No. 10207141 : 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
2	MP5A MP5A	Z	746	5.25
3			1.291	5.25
4	MP5A MP5A	Mx	.000186	5.25
	MP5A	X	746	5.25
5		Z	1.291	5.25
6	MP5A	Mx	000186	5.25
7	MP5A	X	-2.097	.68
8	MP5A	Z	3.631	.68
9	MP5A	Mx	.005	.68
10	MP5A	X	-2.097	6.16
11	MP5A	Z	3.631	6.16
12	MP5A	Mx	.005	6.16
13	MP5B	X	-1.674	.68
14	MP5B	Z	2.9	.68
15	MP5B	Mx	003	.68
16	MP5B	X	-1.674	6.16
17	MP5B	Z	2.9	6.16
18	MP5B	Mx	003	6.16
19	MP5C	X	-2.005	.68
20	MP5C	Z	3.472	.68
21	MP5C	Mx	1.7e-5	.68
22	MP5C	X	-2.005	6.16
23	MP5C	Z	3.472	6.16
24	MP5C	Mx	1.7e-5	6.16
25	MP5A	X	-2.097	.68
26	MP5A	Z	3.631	.68
27	MP5A	Mx	000929	.68
28	MP5A	X	-2.097	6.16
29	MP5A	Z	3.631	6.16
30	MP5A	Mx	000929	6.16
31	MP5B	X	-1.674	.68
32	MP5B	Z	2.9	.68
33	MP5B	Mx	003	.68
34	MP5B	X	-1.674	6.16
35	MP5B	Z	2.9	
36	MP5B	Mx	003	6.16
37	MP5C	X	-2.005	6.16
38	MP5C	Z	3.472	.68
39	MP5C	Mx	.005	.68
40	MP5C	X		.68
41	MP5C	Z	-2.005	6.16
42	MP5C	Mx	3.472	6.16
43			.005	6.16
44	MP3A MP3A	X	-1.55	.62
45	MP3A		2.685	.62
46	MP3A	Mx	.002	.62
47	MP3A	Z	-1.55	2.55
48	MP3A		2.685	2.55
49	MP3B	Mx	.002	2.55
50	MP3B	X	639	.62
		Z	1.106	.62
51	MP3B	Mx	001	.62
52	MP3B	X	639	2.55
53	MP3B	Z	1.106	2.55
54	MP3B	Mx	001	2.55
55	MP3C	X	-1.352	.62
56	MP3C	Z	2.342	.62
57	MP3C	Mx	.002	.62



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-1.352	2.55
59	MP3C	Z	2.342	2.55
60	MP3C	Mx	.002	2.55
61	MP4A	X	669	3.25
62	MP4A	Z	1.159	3.25
63	MP4A	Mx	000446	3.25
64	MP4A	X	669	3.25
65	MP4A	Z	1.159	3.25
66	MP4A	Mx	000446	3.25
67	MP4B	X	489	3.25
68	MP4B	Z	.847	3.25
69	MP4B	Mx	.000652	3.25
70	MP4B	X	489	3.25
71	MP4B	Z	.847	3.25
72	MP4B	Mx	.000652	3.25
73	MP4C	X	63	3.25
74	MP4C	Z	1.091	3.25
75	MP4C	Mx	00054	3.25
76	MP4C	X	-,63	3.25
77	MP4C	Z	1.091	3.25
78	MP4C	Mx	00054	3.25
79	MP3A	X	657	3.25
80	MP3A	Z	1.138	3.25
81	MP3A	Mx	000438	3.25
82	MP3A	X	657	3.25
83	MP3A	Z	1.138	3.25
84	MP3A	Mx	000438	3.25
85	MP3B	X	442	3.25
86	MP3B	Z	.766	3.25
87	MP3B	Mx	.00059	3.25
88	MP3B	X	442	3.25 3.25
89	MP3B	Z	.766	3.25
90	MP3B	Mx	.00059	3.25
91	MP3C	X	61	3.25
92	MP3C	Z	1.057	3.25
93	MP3C	Mx	000523	
94	MP3C	X	61	3.25 3.25
95	MP3C	Z	1.057	3.25
96	MP3C	Mx	000523	.17
97	MP1A	X	-3.689	.17
98	MP1A	Z	6.389	.17
99	MP1A	Mx	.004	
100	MP1A	X	-3.689	5,83
101	MP1A	Z	6.389	5.83
102	MP1A	Mx	.004	5.83
103	MP1B	X	-3.119	.17
104	MP1B	Z	5.402	.17
105	MP1B	Mx	006	.17 5.83
106	MP1B	X	-3.119	
107	MP1B	Z	5.402	5.83
108	MP1B	Mx	006	5.83
109	MP1C	X	-3.689	.17
110	MP1C	Z	6.389	17
111	MP1C	Mx	.004	.17
112	MP1C	X	-3.689	5.83
113	MP1C	Z	6.389	5.83
114	MP1C	Mx	.004	5.83



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:

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

1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5A MP5A	X	747	5.25
3	MP5A	Z	.431	5.25
4	MP5A	Mx	.000187	5.25
5		X	747	5.25
6	MP5A MP5A	Z	.431	5.25
7		Mx	000187	5.25
	MP5A	X	-3.144	.68
9	MP5A	Z	1.815	.68
10	MP5A	Mx	.005	.68
	MP5A	X	-3.144	6.16
11 12	MP5A	Z	1.815	6.16
	MP5A	Mx	.005	6.16
13	MP5B	<u> </u>	-3.144	.68
14	MP5B	Z	1.815	.68
15	MP5B	Mx	002	.68
16	MP5B	X	-3.144	6.16
17	MP5B	Z	1.815	6.16
18	MP5B	Mx	002	6.16
19	MP5C	X	-3.846	.68
20	MP5C	Z	2.22	.68
21	MP5C	Mx	003	.68
22	MP5C	X	-3.846	6.16
23	MP5C	Z	2.22	6.16
24	MP5C	Mx	003	6.16
25	MP5A	X	-3.144	.68
26	MP5A	Z	1.815	.68
27	MP5A	Mx	.002	.68
28	MP5A	X	-3.144	6.16
29	MP5A	Z	1.815	6.16
30	MP5A	Mx	.002	6.16
31	MP5B	X	-3.144	.68
32	MP5B	Z	1.815	.68
33	MP5B	Mx	005	.68
34	MP5B	X	-3.144	6.16
35	MP5B	Z	1.815	6.16
36	MP5B	Mx	005	6.16
37	MP5C	X	-3.846	.68
38	MP5C	Z	2.22	.68
39	MP5C	Mx	.004	.68
10	MP5C	X	-3.846	6.16
11	MP5C	Z	2.22	6.16
12	MP5C	Mx	.004	6.16
13	MP3A	X	-1.632	.62
14	MP3A	Z	.942	.62
5	MP3A	Mx	.002	.62
6	MP3A	X	-1.632	
7	MP3A	Z	.942	2.55 2.55
8	MP3A	Mx	.002	
9	MP3B	X	-1.632	2.55
0	MP3B	Ž	.942	.62
1	MP3B	Mx		.62
2	MP3B	X	002	.62
3	MP3B	Z	-1.632	2.55
4	MP3B		.942	2.55
55	MP3C	Mx	002	2.55
6		X	-3.148	.62
57	MP3C MP3C	Z	1.818	.62
13	IVIPOU	Mx	.000632	.62



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: Project No. 10207141 : 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-3.148	2.55 2.55
59	MP3C	Z	1.818	
60	MP3C	Mx	.000632	2.55 3.25
61	MP4A	X	951	3.25
62	MP4A	Z	.549	
63	MP4A	Mx	000634	3.25
64	MP4A	X	951	3.25
65	MP4A	Z	.549	3.25
66	MP4A	Mx	000634	3.25
67	MP4B	X	951	3.25
68	MP4B	Z	.549	3.25
69	MP4B	Mx	.000634	3.25
70	MP4B	X	951	3.25
71	MP4B	Z	.549	3.25
72	MP4B	Mx	.000634	3.25
73	MP4C	X	-1.25	3.25
74	MP4C	Z	.722	3.25
75	MP4C	Mx	000167	3.25
76	MP4C	X	-1.25	3.25
77	MP4C	Z	.722	3.25
78	MP4C	Mx	000167	3.25
79	MP3A	X	89	3.25
80	MP3A	Z	.514	3.25
81	MP3A	Mx	000593	3.25
82	MP3A	X	89	3.25
83	MP3A	Z	.514	3.25
84	MP3A	Mx	000593	3.25
85	MP3B	X Z	89	3.25
86	MP3B	Z	.514	3.25
87	MP3B	Mx	.000593	3.25
88	MP3B	X	89	3.25
89	MP3B	Z	.514	3.25
90	MP3B	Mx	.000593	3.25
91	MP3C	X	-1.247	3.25
92	MP3C	Z	.72	3.25
93	MP3C	Mx	000167	3,25
94	MP3C	X	-1.247	3,25
95	MP3C	Z	.72	3.25
96	MP3C	Mx	000167	3.25
97	MP1A	X	-5.731	.17
98	MP1A	Z	3.309	.17
99	MP1A	Mx	.006	.17
00	MP1A	X	-5.731	5.83
101	MP1A	Z	3.309	5.83
102	MP1A	Mx	.006	5.83
103	MP1B	X	-5.731	.17
104	MP1B	Z	3.309	.17
105	MP1B	Mx	006	.17
106	MP1B	X	-5.731	5.83
107	MP1B	Z	3.309	5.83
108	MP1B	Mx	006	5.83
	MP1C	X	-6.718	.17
109		Z	3.879	.17
110	MP1C	Mx	0	.17
111	MP1C	X	-6.718	5.83
112	MP1C	Z	3.879	5.83
113	MP1C MP1C	Mx	0	5.83



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

1	Member Label MP5A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5A	X	548	5.25
3	MP5A		0	5.25
4	MP5A	Mx	.000137	5.25
5	MP5A	X	548	5.25
6		Z	0	5.25
7	MP5A	Mx	000137	5.25
	MP5A	X	-3.349	.68
8	MP5A	Z	0	.68
9	MP5A	Mx	.003	.68
10	MP5A	X	-3.349	6.16
11	MP5A	Z	0	6.16
12	MP5A	Mx	.003	6.16
13	MP5B	X	-4.193	.68
14	MP5B	Z	0	.68
15	MP5B	Mx	.00093	.68
16	MP5B	X	-4.193	6.16
17	MP5B	Z	0	6.16
18	MP5B	Mx	.00093	6.16
19	MP5C	X	-4.343	.68
20	MP5C	Z	0	.68
21	MP5C	Mx	005	.68
22	MP5C	X	-4.343	6.16
23	MP5C	Z	0	6.16
24	MP5C	Mx	005	6.16
25	MP5A	X	-3.349	.68
26	MP5A	Z	0	.68
27	MP5A	Mx	.003	.68
28	MP5A	X	-3.349	6.16
29	MP5A	Ž	0	6.16
30	MP5A	Mx	.003	6.16
31	MP5B	X	-4.193	.68
32	MP5B	Z	0	.68
33	MP5B	Mx	005	.68
34	MP5B	X	-4.193	6.16
35	MP5B	Z	0	6.16
36	MP5B	Mx	005	6.16
37	MP5C	X	-4.343	.68
38	MP5C	Z	0	.68
39	MP5C	Mx	.002	
40	MP5C	X	-4.343	.68
41	MP5C	Z		6.16
42	MP5C	Mx	0	6.16
43	MP3A	X	.002	6.16
44	MP3A	Z	-1.277	.62
45	MP3A	Mx	0	.62
46	MP3A		.001	.62
47	MP3A	Z	-1.277	2.55
48			0	2.55
	MP3A MP3B	Mx	.001	2.55
49		X	-3.101	.62
50	MP3B	Z	0	.62
51	MP3B	Mx	002	.62
52	MP3B	X	-3.101	2.55
53	MP3B	Z		2.55
54	MP3B	Mx	002	2.55
55	MP3C	X	-3.424	.62
56	MP3C	Z	0	.62
57	MP3C	Mx	001	.62



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: enieto : Project No. 10207141 : 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

58	Member Label		Magnitude[lb,k-ft]	Location[ft,%]
20	MP3C	Direction X	-3.424	2.55
59	MP3C	Z	0	2.55
60	MP3C	Mx	001	2.55
61	MP4A	X	978	3.25
62	MP4A	Z	0	3.25
63	MP4A	Mx	000652	3.25
64	MP4A	X	978	3.25
65	MP4A	Z	0	3.25
66	MP4A	Mx	000652	3.25
67	MP4B	X	-1.338	3.25
68	MP4B	Ž	0	3.25
69	MP4B	Mx	.000446	3.25
70	MP4B	X	-1.338	3.25
71	MP4B	Z	0	3.25
72	MP4B	Mx	.000446	3.25
	MP4C	X	-1.402	3.25
73 74	MP4C	Ž	0	3.25
75	MP4C	Mx	.00032	3.25
		X	-1.402	3.25
76	MP4C MP4C	<u>^</u>	0	3.25
77		Mx	.00032	3.25
78	MP4C	X	884	3.25
79	MP3A	Ž	0	3.25
80	MP3A		000589	3.25
81	MP3A	Mx	884	3.25
82	MP3A	X	0	3.25
83	MP3A		000589	3.25
84	MP3A	Mx	-1.314	3.25
85	MP3B	<u>X</u>	-1.514	3.25
86	MP3B	Z	.000438	3.25
87	MP3B	Mx	-1.314	3.25
88	MP3B	X		3.25
89	MP3B		.000438	3.25
90	MP3B	Mx	-1.391	3.25
91	MP3C	X		3.25
92	MP3C	Z	.000317	3.25
93	MP3C	Mx .		3.25
94	MP3C	X	-1.391	3.25
95	MP3C	Z	0	3.25
96	MP3C	Mx	.000317	.17
97	MP1A	X	-6.238	.17
98	MP1A	Z	0	.17
99	MP1A	Mx	.006	
100	MP1A	X	-6.238	5.83
101	MP1A		0	5.83
102	MP1A	Mx	.006	5.83
103	MP1B	X	-7.377	.17
104	MP1B	Z	0	.17
105	MP1B	Mx	004	.17
106	MP1B	X	-7.377	5.83
107	MP1B	Z	0	5.83
108	MP1B	Mx	004	5.83
109	MP1C	X	-7.377	.17
110	MP1C	Z	0	.17
111	MP1C	Mx	004	.17
112	MP1C	X	-7.377	5.83
	MP1C	Z	0	5.83 5.83
113			004	



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Project No. 10207141 : 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	MP5A	X	747	5.25
2	MP5A		431	5.25
3	MP5A	Mx	.000187	5.25
4	MP5A	X	747	5.25
5	MP5A	Z	431	5.25
6	MP5A	Mx	000187	5.25
7	MP5A	X	-3.144	.68
8	MP5A	Z	-1.815	.68
9	MP5A	Mx	.002	.68
10	MP5A	X	-3.144	6.16
11	MP5A	Z	-1.815	6.16
12	MP5A	Mx	.002	6.16
13	MP5B	X	-3.875	.68
14	MP5B	Z	-2.237	.68
15	MP5B	Mx	.004	.68
16	MP5B	X	-3.875	6.16
17	MP5B	Z	-2.237	6.16
18	MP5B	Mx	.004	6.16
19	MP5C	X	-3.303	.68
20	MP5C	Z	-1.907	.68
21	MP5C	Mx	005	.68
22	MP5C	X	-3.303	6.16
23	MP5C	Z	-1.907	6.16
24	MP5C	Mx	005	6.16
25	MP5A	X	-3.144	.68
26	MP5A	Z	-1.815	.68
27	MP5A	Mx	.005	.68
28	MP5A	X	-3.144	6.16
29	MP5A	Z	-1.815	6.16
30	MP5A	Mx	.005	6.16
31	MP5B	X	-3.875	.68
32	MP5B	Z	-2.237	.68
33	MP5B	Mx	004	.68
34	MP5B	X	-3.875	6.16
35	MP5B	Z	-2.237	6.16
36	MP5B	Mx	004	6.16
37	MP5C	X	-3.303	.68
38	MP5C	Z	-1.907	.68
39	MP5C	Mx	000879	.68
40	MP5C	X	-3.303	6.16
41	MP5C	Z	-1.907	6.16
42	MP5C	Mx	000879	6.16
43	MP3A	X	-1.632	.62
44	MP3A	Z	942	.62
45	MP3A	Mx	.002	.62
46	MP3A	X	-1.632	2.55
47	MP3A	Z	942	2.55
48	MP3A	Mx	.002	2.55
49	MP3B	X	-3.212	.62
50	MP3B	Z	-1.854	.62
51	MP3B	Mx	0	.62
52	MP3B	X	-3.212	2.55
53	MP3B	Z	-1.854	2.55
54	MP3B	Mx	0	2.55
55	MP3C	X	-1.976	.62
56	MP3C	Z	-1.141	.62
57	MP3C	Mx	002	.62
01	IVIL OU	IVIA	002	.0∠



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Project No. 10207141 5000382880-VZW_MT_LO_H

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-1.976	2.55 2.55
59	MP3C	Z	-1.141	
60	MP3C	Mx	002	2.55 3.25
61	MP4A	X	951	
62	MP4A	Z	549	3.25
63	MP4A	Mx	000634	3.25
64	MP4A	X	951	3.25
65	MP4A	Z	549	3.25
66	MP4A	Mx	000634	3.25
67	MP4B	X	-1.262	3.25
68	MP4B	Z	729	3.25 3.25
69	MP4B	Mx	0	
70	MP4B	X	-1.262	3.25 3.25
71	MP4B	Z	729	
72	MP4B	Mx	. 0	3.25
73	MP4C	X	-1.019	3.25
74	MP4C	Z	588	3.25
75	MP4C	Mx	.000601	3.25
76	MP4C	X	-1.019	3.25
77	MP4C	Z	588	3.25
78	MP4C	Mx	.000601	3.25
79	MP3A	X	89	3.25
80	MP3A	Z	514	3.25
81	MP3A	Mx	000593	3.25
82	MP3A	X	89	3.25
83	MP3A	Z	514	3.25
84	MP3A	Mx	000593	3.25
85	MP3B	X	-1.262	3.25
86	MP3B	Z	729	3.25
87	MP3B	Mx	0	3.25
88	MP3B	X	-1.262	3.25
89	MP3B	Z	729	3.25
90	МР3В	Mx	0	3.25
91	MP3C	X	971	3.25
92	MP3C	Z	561	3.25
93	MP3C	Mx	.000573	3.25
94	MP3C	X	971	3.25
95	MP3C	Z	561	3.25
96	MP3C	Mx	.000573	3.25
97	MP1A	X	-5.731	.17
98	MP1A	Z	-3.309	.17
99	MP1A	Mx	.006	.17
100	MP1A	X	-5.731	5.83
101	MP1A	Z	-3.309	5.83
102	MP1A	Mx	.006	5.83
103	MP1B	X	-6.718	.17
104	MP1B	Z	-3.879	.17
105	MP1B	Mx	0	.17
106	MP1B	X	-6.718	5.83
107	MP1B	Z	-3.879	5.83
108	MP1B	Mx	0	5.83
109	MP1C	X	-5.731	.17
110	MP1C	X	-3.309	.17
	MP1C MP1C	Mx	006	.17
111	MP1C	X	-5.731	5.83
	MP1C	Z	-3.309	5.83
113 114	MP1C	Mx	006	5.83



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Project No. 10207141 5000382880-VZW_MT_LO_H

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	746	5.25
2	MP5A		-1.291	5.25
3	MP5A	Mx	.000186	5.25
4	MP5A	X	746	5.25
5	MP5A	Z	-1.291	5.25
6	MP5A	Mx	000186	5.25
7	MP5A	<u> </u>	-2.097	.68
8	MP5A	Z	-3.631	.68
9	MP5A	Mx	000929	.68
10	MP5A	X	-2.097	6.16
11	MP5A	Z	-3.631	6.16
12	MP5A	Mx	000929	6.16
13	MP5B	X	-2.097	.68
14	MP5B	Z	-3.631	.68
15	MP5B	Mx	.005	.68
16	MP5B	X	-2.097	6.16
17	MP5B	Z	-3.631	6.16
18	MP5B	Mx	.005	6.16
19	MP5C	X	-1.691	.68
20	MP5C	Z	-2.93	.68
21	MP5C	Mx	004	.68
22	MP5C	X	-1.691	6.16
23	MP5C	Z	-2.93	6.16
24	MP5C	Mx	004	6.16
25	MP5A	X	-2.097	.68
26	MP5A	Z	-3.631	.68
27	MP5A	Mx	.005	.68
28	MP5A	X	-2.097	6.16
29	MP5A	Z	-3.631	6.16
30	MP5A	Mx	.005	6.16
31	MP5B	X	-2.097	.68
32	MP5B	Z	-3.631	.68
33	MP5B	Mx	00093	.68
34	MP5B	X	-2.097	6.16
35	MP5B	Z	-3.631	6.16
36	MP5B	Mx	00093	6.16
37	MP5C	X	-1.691	.68
38	MP5C	Z	-2.93	.68
39	MP5C	Mx	003	.68
40	MP5C	X	-1.691	6.16
41	MP5C	Z	-2.93	6.16
42	MP5C	Mx	003	6.16
43	MP3A	X	-1.55	.62
44	MP3A	Ž	-2.685	.62
45	MP3A	Mx	.002	.62
46	MP3A	X	-1.55	2.55
47	MP3A	Z	-2.685	2.55
48	MP3A	Mx	.002	2.55
49	MP3B	X	-1.55	
50	MP3B	Ž	-2.685	.62
51	MP3B	Mx	.002	.62
52	MP3B	X		.62
53	MP3B	Z	-1.55	2.55
54	MP3B	Mx	-2.685	2.55
55	MP3C	X	.002	2.55
56	MP3C	Z	675	.62
57	MP3C		-1.17	.62
31	IVII JU	Mx	001	.62



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Project No. 10207141 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

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

Me	ember Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	675	2.55
59	MP3C		-1.17	2,55
60	MP3C	Mx	001	2.55
61	MP4A	X	669	3.25
62	MP4A	Z	-1.159	3.25
63	MP4A	Mx	000446	3.25
64	MP4A	X	669	3.25
65	MP4A	Z	-1.159	3.25
66	MP4A	Mx	000446	3.25
67	MP4B	X	669	3.25
68	MP4B	Z	-1,159	3.25
69	MP4B	Mx	000446	3.25
70	MP4B	X	669	3.25
71	MP4B	Z	-1.159	3.25
72	MP4B	Mx	000446	3.25
	MP4C	X	496	3.25
73 74	MP4C	Z	86	3.25
	MP4C	Mx	.000652	3.25
75	MP4C	X	496	3.25
76	MP4C	Z	86	3.25
77	MP4C	Mx	.000652	3.25
78		X	657	3.25
79	MP3A	Z	-1.138	3.25
80	MP3A	Mx	000438	3.25
81	MP3A		657	3.25
82	MP3A	X	-1.138	3.25
83	MP3A		000438	3.25
84	MP3A	Mx	657	3.25
85	MP3B	X	-1.138	3.25
86	MP3B	Z		3.25
87	мР3В	Mx	000438	3.25
88	мР3В	X	657	3.25
89	MP3B	Z	-1.138	3.25
90	MP3B	Mx	000438	3.25
91	MP3C	X	451	
92	MP3C	Z	781	3.25
93	MP3C	Mx	.000592	3.25
94	MP3C	X	451	3.25
95	MP3C	Z	781	3.25
96	MP3C	Mx	.000592	3.25
97	MP1A	X	-3.689	.17
98	MP1A	Z	-6.389	.17
99	MP1A	Mx	.004	.17
100	MP1A	X	-3.689	5.83
101	MP1A	Z	-6.389	5.83
102	MP1A	Mx	.004	5.83
103	MP1B	X	-3.689	.17
104	MP1B	Ž	-6.389	.17
105	MP1B	Mx	.004	.17
106	MP1B	X	-3.689	5.83
107	MP1B	Z	-6.389	5.83
	MP1B	Mx	.004	5.83
108		X	-3.119	.17
109	MP1C MP1C	Ž	-5.402	
110		Mx	006	.17
111	MP1C	X	-3.119	5.83
112	MP1C	Z	-5.402	5.83
113	MP1C		006	5.83
114	MP1C	Mx	-,000	W MT IO Hr3dl Page 89



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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	A8	Y	-500	%3

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude(lb.k-ft)	Location[ft.%]
1	A15	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	A8	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

1	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]	
1_1_	A8	Y	-250	%100	

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	Y	905	5.25
2	MP5A	My	000226	5.25
3	MP5A	Mz	0	5.25
4	MP5A	Y	-,905	5.25
5	MP5A	My	.000226	5.25
6	MP5A	Mz	0	5.25
7	MP5A	Y	-1.183	.68
8	MP5A	My	001	.68
9	MP5A	Mz	.000985	.68
10	MP5A	Υ	-1.183	6.16
11	MP5A	My	001	6.16
12	MP5A	Mz	.000985	6.16
13	MP5B	Y	-1.183	.68
14	MP5B	My	000262	.68
15	MP5B	Mz	002	.68
16	MP5B	Y	-1.183	6.16
17	MP5B	Mv	000262	6.16
18	MP5B	Mz	002	6.16
19	MP5C	Y	-1.183	.68
20	MP5C	My	.001	.68
21	MP5C	Mz	.000774	.68
22	MP5C	Y	-1.183	6.16
23	MP5C	My	.001	6.16
24	MP5C	Mz	.000774	6.16
25	MP5A	Y	-1.183	.68
26	MP5A	My	001	.68
27	MP5A	Mz	000985	.68
28	MP5A	Y	-1.183	6.16
29	MP5A	My	001	6.16
30	MP5A	Mz	000985	6.16
31	MP5B	Υ	-1.183	.68
32	MP5B	My	.001	.68
33	MP5B	Mz	000531	.68
34	MP5B	Y	-1.183	6.16
35	MP5B	Mv	.001	6.16
36	MP5B	Mz	000531	6.16
37	MP5C	Y	-1.183	.68
38	MP5C	Mv	000522	.68
39	MP5C	Mz	.001	.68



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: Project No. 10207141 : 5000382880-VZW_MT_LO_H

July 22, 2023 4:07 PM Checked By:_

Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	LC 81 : Antenna Direction	Magnitude[lb.k-ft]	Location[ft,%]
40	MP5C	Y	-1.183	6.16
41	MP5C	My	000522	6.16
12	MP5C	Mz	.001	6.16
13	MP3A	Y	-2.239	.62
	MP3A	My	002	.62
44		Mz	0	.62
45	MP3A	Y	-2.239	2.55
46	MP3A		002	2.55
47	MP3A	My	0	2.55
48	MP3A	Mz	-2.239	.62
19	MP3B	Y		.62
50	MP3B	My	.001	.62
51	MP3B	Mz	002	
52	MP3B	Y	-2.239	2.55
53	MP3B	My	.001	2.55
54	MP3B	Mz	002	2.55
55	MP3C	Y	-2.239	.62
56	MP3C	My	.000766	.62
57	MP3C	Mz	.002	.62
58	MP3C	Y	-2.239	2.55
59	MP3C	My	.000766	2.55
		Mz	.002	2.55
60	MP3C	Y	-1.92	3.25
31	MP4A		.001	3.25
32	MP4A	My	0	3.25
63	MP4A	Mz	-1.92	3.25
64	MP4A	Y		3.25
35	MP4A	My	.001	3.25
36	MP4A	Mz	0	3.25
67	MP4B	Y	-1.92	
88	MP4B	My	00064	3.25
59	MP4B	Mz	.001	3.25
70	MP4B	Y	-1.92	3.25
71	MP4B	My	00064	3.25
72	MP4B	Mz	.001	3.25
73	MP4C	Y	-1.92	3.25
74	MP4C	My	000438	3,25
	MP4C	Mz	001	3.25
75	MP4C	Y	-1.92	3.25
76		My	000438	3.25
77	MP4C		001	3.25
78	MP4C	Mz	-1.807	3.25
79	MP3A	Y	.001	3.25
30	MP3A	My		3.25
31	MP3A	Mz	0	3.25
32	MP3A	Y	-1.807	3.25
33	MP3A	My	.001	
84	MP3A	Mz	0	3.25
35	МРЗВ	Y	-1.807	3.25
36	MP3B	My	000602	3.25
37	MP3B	Mz	.001	3.25
38	MP3B	Y	-1.807	3.25
39	MP3B	My	000602	3.25
		Mz	.001	3.25
90	MP3B	Y	-1.807	3.25
91	MP3C		000412	3.25
92	MP3C	My	001	3.25
93	MP3C	Mz	-1.807	3.25
94	MP3C	Y		3.25
95	MP3C	My	000412	3.25
96	MP3C	Mz	001	3.20



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Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP1A	Y	591	.17
98	MP1A	My	000591	.17
99	MP1A	Mz	0	.17
100	MP1A	Υ	591	5.83
101	MP1A	My	000591	5.83
102	MP1A	Mz	0	5.83
103	MP1B	Y	591	.17
104	MP1B	My	.000296	.17
105	MP1B	Mz	000512	.17
106	MP1B	Y	591	5.83
107	MP1B	Mv	.000296	5.83
108	MP1B	Mz	000512	5.83
109	MP1C	Y	591	.17
110	MP1C	Mv	.000296	.17
111	MP1C	Mz	.000512	.17
112	MP1C	Y	591	5.83
113	MP1C	Mv	.000296	5.83
114	MP1C	Mz	.000512	5.83

Member Point Loads (BLC 82 : Antenna Eh (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	Z	-2.262	5.25
2	MP5A	Mx	0	5.25
3	MP5A	Z	-2.262	5.25
4	MP5A	Mx	0	5.25
5	MP5A	Z	-2.956	.68
6	MP5A	Mx	002	.68
7	MP5A	Z	-2.956	6.16
8	MP5A	Mx	002	6.16
9	MP5B	Z	-2.956	.68
10	MP5B	Mx	.004	.68
11	MP5B	Z	-2.956	6.16
12	MP5B	Mx	.004	6.16
13	MP5C	Z	-2.956	.68
14	MP5C	Mx	002	.68
15	MP5C	Z	-2.956	6.16
16	MP5C	Mx	002	6.16
17	MP5A	Z	-2.956	.68
18	MP5A	Mx	.002	.68
19	MP5A	Z	-2.956	6.16
20	MP5A	Mx	.002	6.16
21	MP5B	Z	-2.956	.68
22	MP5B	Mx	.001	.68
23	MP5B	Z	-2.956	6.16
24	MP5B	Mx	.001	6.16
25	MP5C	Z	-2.956	.68
26	MP5C	Mx	004	.68
27	MP5C	Z	-2.956	6.16
28	MP5C	Mx	004	6.16
29	MP3A	Z	-5.598	.62
30	MP3A	Mx	0	.62
31	MP3A	Z	-5.598	2.55
32	MP3A	Mx	0	2.55
33	MP3B	Z	-5.598	.62
34	MP3B	Mx	.005	.62
35	MP3B	Z	-5.598	2.55



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Project No. 10207141 5000382880-VZW_MT_LO_H

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Member Point Loads (BLC 82 : Antenna Eh (0 Deg)) (Continued)

Member Point Loads (BLC 82 : Antenna Member Label Direction		Magnitude[lb,k-ft]	Location[ft,%]	
36	MP3B	Mx	.005	2.55
37	MP3C	Z	-5.598	.62
38	MP3C	Mx	005	.62
39	MP3C	Z	-5.598	2.55
40	MP3C	Mx	005	2.55
41	MP4A	Z	-4.801	3.25
	MP4A	Mx	0	3.25
42	MP4A	Z	-4.801	3.25
43	MP4A	Mx	0	3.25
44	MP4B	Z	-4.801	3.25
45		Mx	003	3.25
46	MP4B	Z	-4.801	3.25
47	MP4B	Mx	-,003	3.25
48	MP4B	Z	-4.801	3.25
49	MP4C	Mx	.003	3.25
50	MP4C	Z	-4.801	3.25
51	MP4C	Mx	.003	3.25
52	MP4C	Z	-4.518	3.25
53	MP3A		0	3.25
54	MP3A	Mx	-4.518	3.25
55	MP3A	Z	0	3.25
56	МРЗА	Mx	-4.518	3.25
57	MP3B	Z	003	3.25
58	MP3B	Mx	-4.518	3.25
59	MP3B	Z	-4.518	3.25
60	MP3B	Mx		3.25
61	MP3C	Z	-4.518	3.25
62	MP3C	Mx	.003	3.25
63	MP3C	Z	-4.518	3.25
64	MP3C	Mx	.003	.17
65	MP1A	Z	-1.478	.17
66	MP1A	Mx	0	5.83
67	MP1A	Z	-1.478	5.83
68	MP1A	Mx	0	.17
69	MP1B	Z	-1.478	17
70	MP1B	Mx	.001	
71	MP1B	Z	-1.478	5.83
72	MP1B	Mx	.001	5.83
73	MP1C	Z	-1.478	.17
74	MP1C	Mx	001	.17
75	MP1C	Z	-1.478	5.83
76	MP1C	Mx	001	5.83

Member Point Loads (BLC 83 : Antenna Eh (90 Deg))

CITIO	er Point Loads (B Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	2.262	5.25
	MP5A	Mx	000566	5.25
3	MP5A	X	2.262	5.25
	MP5A	Mx	.000566	5.25
-	MP5A	X	2.956	.68
-	MP5A	Mx	003	.68
	MP5A	X	2.956	6.16
	MP5A MP5A	Mx	003	6.16
	MP5B	X	2.956	.68
	MP5B	Mx	000655	.68
0	and the second s	X	2.956	6.16
2	MP5B MP5B	Mx	000655	6.16



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Member Point Loads (BLC 83 : Antenna Eh (90 Deg)) (Continued)

13	Member Label MP5C	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP5C	X	2.956	.68
15	MP5C	Mx	.003	.68
16		X	2.956	6.16
17	MP5C	Mx	.003	6.16
18	MP5A	X	2.956	.68
	MP5A	Mx	003	.68
19	MP5A	X	2.956	6.16
20	MP5A	Mx	003	6.16
21	MP5B	X	2.956	.68
22	MP5B	Mx	.004	.68
23	MP5B	X	2.956	6.16
24	MP5B	Mx	.004	6.16
25	MP5C	X	2.956	.68
26	MP5C	Mx	001	.68
27	MP5C	X	2.956	6.16
28	MP5C	Mx	001	6.16
29	MP3A	X	5.598	.62
30	MP3A	Mx	006	.62
31	MP3A	X	5.598	2.55
32	MP3A	Mx	006	2.55
33	MP3B	X	5.598	.62
34	MP3B	Mx	.003	.62
35	MP3B	X	5.598	2.55
36	MP3B	Mx	.003	2.55
37	MP3C	X	5.598	.62
38	MP3C	Mx	.002	.62
39	MP3C	X	5.598	2.55
40	MP3C	Mx	.002	2.55
41	MP4A	X	4.801	3.25
42	MP4A	Mx	.003	3.25
43	MP4A	X	4.801	3.25
44	MP4A	Mx	.003	
45	MP4B	X	4.801	3.25
46	MP4B	Mx	002	3.25
47	MP4B	X	4.801	3.25
48	MP4B	Mx	002	3.25
49	MP4C	X	4.801	3.25
50	MP4C	Mx	001	3.25
51	MP4C	X		3.25
52	MP4C	Mx	4.801	3.25
53	MP3A	X	001	3.25
54	MP3A	Mx	4.518	3.25
55	MP3A	X	.003	3.25
56	MP3A		4.518	3.25
57	MP3B	Mx	.003	3.25
58	MP3B	X	4.518	3.25
59		Mx	002	3.25
30	MP3B	X	4.518	3.25
	MP3B	Mx	002	3.25
31	MP3C	X	4.518	3.25
32	MP3C	Mx	001	3.25
33	MP3C	X	4.518	3.25
64	MP3C	Mx	001	3.25
65	MP1A	X	1.478	.17
66	MP1A	Mx	001	.17
67	MP1A	X	1.478	5.83
68	MP1A	Mx	001	5.83
69	MP1B	X	1.478	.17

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Member Point Loads (BLC 83 : Antenna Eh (90 Deg)) (Continued)

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	The state of the s	.000739	.17
	X	1.478	5.83
	Mx	.000739	5.83
	X	1.478	.17
	Mx	.000739	.17
	X		5.83
	Mx		5.83
	Member Label MP1B MP1B MP1B MP1C MP1C MP1C MP1C MP1C	MP1B	MP1B Mx .000739 MP1B X 1.478 MP1B Mx .000739 MP1C X 1.478 MP1C Mx .000739 MP1C Mx .000739 MP1C X 1.478 MP1C X 1.478

Member Distributed Loads (BLC 40 : Structure Di)

Member Label	Direction	Start Magnitude[ib/it.,	End Magnitude[lb/ft,F	Court Education Internal	End Location[ft.%]
A1	Υ	-7.28	-7.28	0	%100
A2	Y				%100
	Y				%100
	Y				%100
	Y				%100
	Υ				%100
	Y				%100
	Υ	-7.28			%100
	Υ				%100
	Y	-6.271			%100
		-4.741			%100
		-4.741			%100
		-4.741			%100
		-4.741	-4.741		%100
	Y	-7.28	-7.28		%100
	Y	-7.28	-7.28		%100
			-4.741		%100
			-6.271		%100
			-4.741		%100
			-4.741		%100
			-4.741	0	%100
			-4.741	0	%100
				0	%100
				0	%100
				0	%100
				0	%100
				0	%100
				0	%100
					%100
					%100
					%100
					%100
					%100
					%100
					%100
					%100
					%100
					%100
					%100
					%100
					%100
					%100
		A2 Y A5 Y A6 Y A7 Y A8 Y B26 Y B27 Y B30 Y B31 Y B32 Y B33 Y B80 Y B81 Y C51 Y C52 Y C55 Y C56 Y C57 Y C58 Y C79 Y M76 Y M77 Y MP1A Y MP1B Y MP1C Y MP2A Y MP2B Y MP2C Y MP3A Y MP4A Y MP4B Y MP4C Y MP5A MP5C Y M82 M83 Y M82 Y M82 M83	A2 Y -7.28 A5 Y -4.741 A6 Y -6.271 A7 Y -4.741 B26 Y -7.28 B27 Y -7.28 B30 Y -7.28 B31 Y -6.271 B32 Y -4.741 B33 Y -6.271 B33 Y -4.741 B80 Y -4.741 B81 Y -7.28 C51 Y -7.28 C52 Y -7.28 C55 Y -7.28 C55 Y -4.741 C56 Y -6.271 C58 Y -4.741 C79 Y -4.741 C79 Y -4.741 M76 Y -4.741 M77 Y -4.741 M71	A2 Y -7.28	A2 Y -7.28

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

Start Magnitude[lb/ft,...End Magnitude[lb/ft,F... Start Location[ft,%] End Location[ft,%] Direction Member Label



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

1	Member Label A1	Direction X	Start Magnitude[lb/ft 0	.End Magnitude[lb/ft,F.	. Start Location[ft,%]	End Location[ft,%] %100
2	A1	Z	0	0	Ö	%100 %100
3	A2	X	0	Ů Ö	Ö	%100 %100
4	A2	Z	0	O O	0	%100
5	A5	X	0	0	0	%100
6	A5	Z	-5.845	-5.845	Ö	%100
7	A6	X	0	-5.045	0	%100
8	A6	Z	-8.778	-8.778	0	%100 %100
9	A7	X	0	0	0	
10	A7	Z	-7.148	-7.148	0	%100
11	A8	X	0			%100
12	A8	Z	-7.148	7.440	0	%100
13	B26	X		-7.148	0	%100
14	B26	Ž	5 070	0	0	%100
15	B27		-5.079	-5.079	0	%100
16		X	0	0	0	%100
17	B27	Z	-5.079	-5.079	0	%100
	B30	X	0	0	0	%100
18	B30	Z	-5.845	-5.845	0	%100
19	B31	X	0	0	0	%100
20	B31	Z	-8.778	-8.778	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	-1.787	-1.787	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	-1.787	-1.787	0	%100
25	B80	X	0	0	0	%100
26	B80	Z	044	044	Ō	%100
27	B81	X	0	0	0	%100
28	B81	Z	-5.862	-5.862	Ö	%100
29	C51	X	0	0	Ö	%100
30	C51	Z	-5.979	-5.979	ő	%100 %100
31	C52	X	0	0	0	%100 %100
32	C52	Z	-5.979	-5.979	ő	%100 %100
33	C55	X	0	-3.979	0	%100 %100
34	C55	Z	-5.845	-5.845	0	
35	C56	X	-5.045	-3.645		%100
36	C56	Z	-8.778		0	%100
37	C57	X	0	-8.778	0	%100
38	C57	Ž		0	0	%100
39	C58	X	836	836	0	%100
40	C58		0	0	0	%100
41	C78	Z	836	836	0	%100
42		X	0	0	0	%100
	C78	Z	-4.009	-4.009	0	%100
43	C79	X	0	0	0	%100
44	C79	Z	-6.82	-6.82	0	%100
45	M76	X	0	0	0	%100_
46	M76	Z	-5.426	-5.426	0	%100
47	M77	X	0	0	0	%100
48	M77	Z	187	187	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	-7.148	-7.148	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	-7.148	-7.148	Ö	%100
53	MP1C	X	0	0	0	%100
54	MP1C	Z	-7.148	-7.148	0	%100 %100
55	MP2A	X	0	0	0	%100 %100
56	MP2A	Z	-7.148	-7.148	0	%100 %100
57	MP2B	X	0	-7.140	0	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
58	MP2B	Z	-7.148	-7.148	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	-7.148	-7.148	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	-7.148	-7.148	0	%100
	MP3B	X	0	0	0	%100
63	MP3B	7	-7.148	-7.148	0	%100
64		X	1.110	0	0	%100
65	MP3C	7	-7.148	-7.148	0	%100
66	MP3C	X	0	0	0	%100
67	MP4A	Z	-7.148	-7.148	0	%100
68	MP4A	X	-7.140	1.110	0	%100
69	MP4B	Z	-7.148	-7.148	Ö	%100
70	MP4B	X	-7.140	0	0	%100
71	MP4C		-7.148	-7.148	0	%100
72	MP4C	Z	-7.140	77.140	0	%100
73	MP5A	X	0.050	-8.652	0	%100
74	MP5A	Z	-8.652	-0.032	0	%100
75	MP5B	X	0 050		0	%100
76	MP5B	Z	-8.652	-8.652	0	%100 %100
77	MP5C	X	0	0.050		%100 %100
78	MP5C	Z	-8.652	-8.652	0	
79	M82	X	0	0	0	%100
80	M82	Z	027	027	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	-6.067	-6.067	0 0	%100
83	M84	X	0	0	0	%100
84	M84	Z	-5.131	-5.131	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.%]
1	A1	X	.846	.846	0	%100
2	A1	Z	-1.466	-1.466	0	%100
3	A2	X	.846	.846	0	%100
4	A2	Z	-1.466	-1.466	0	%100
5	A5	X	2.922	2.922	0 -	%100
6	A5	Z	-5.062	-5.062	0	%100
7	A6	X	4.389	4.389	0	%100
	A6	Z	-7.602	-7.602	0	%100
8	A7	X	2.68	2.68	0	%100
9	A7	Z	-4.642	-4.642	0	%100
10		X	2.68	2.68	0	%100
11	A8	Z	-4.642	-4.642	0	%100
12	A8 B26	X	3.386	3.386	0	%100
13		Z	-5.864	-5.864	0	%100
14	B26	X	3.386	3.386	0	%100
15	B27	Ž	-5.864	-5.864	0	%100
16	B27	X	2.922	2.922	0	%100
17	B30	7	-5.062	-5.062	Ö	%100
18	B30	200	4.389	4.389	0	%100
19	B31	X	-7.602	-7.602	Ŏ	%100
20	B31	Z	-7.002	0	0	%100
21	B32	X		0	Ö	%100
22	B32	Z	0	0	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	0	.821	0	%100
25	B80	<u>X</u>	.821		0	%100
26	B80	Z	-1.422	-1.422	U	/0100

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

07	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
27	B81	<u> </u>	3.551	3.551	0	%100
28	B81	Z	-6.15	-6.15	0	%100
29	C51	X	1.399	1.399	0	%100
30	C51	Z	-2.423	-2.423	0	%100
31	C52	X	1.399	1.399	0	%100
32	C52	Z	-2.423	-2.423	0	%100
33	C55	X	2.922	2.922	0	%100
34	C55	Z	-5.062	-5.062	0	%100
35	C56	X	4.389	4.389	0	%100
36	C56	Z	-7.602	-7.602	0	%100
37	C57	X	2.097	2.097	0	%100
38	C57	Z	-3.632	-3.632	0	%100
39	C58	X	2.097	2.097	0	%100
40	C58	Z	-3.632	-3.632	0	%100
41	C78	X	3.429	3.429	0	%100
42	C78	Z	-5.939	-5.939	0	%100
43	C79	X	1.951	1.951	0	%100
44	C79	Z	-3.379	-3.379	0	%100
45	M76	X	.987	.987	0	%100 %100
46	M76	Z	-1.709	-1.709	Ō	%100
47	M77	X	1.202	1.202	0	%100
48	M77	Z	-2.083	-2.083	0	%100 %100
49	MP1A	X	3.574	3.574	0	%100 %100
50	MP1A	Z	-6.19	-6.19	0	%100 %100
51	MP1B	X	3.574	3.574	0	%100 %100
52	MP1B	Z	-6.19	-6.19	0	%100 %100
53	MP1C	X	3.574	3.574		
54	MP1C	Z	-6.19	-6.19	0	%100
55	MP2A	X	3.574			%100
56	MP2A	Ž	-6.19	3.574	0	%100
57	MP2B	X		-6.19	0	%100
58	MP2B		3.574	3.574	0	%100
59	MP2C	Z	-6.19	-6.19	0	%100
60	MP2C	X	3.574	3.574	0	%100
61	MP3A	Z	-6.19	-6.19	0	%100
62	MP3A	Z	3.574	3.574	0	%100
63			-6.19	-6.19	0	%100
	MP3B	X	3.574	3.574	0	%100
64	MP3B	Z	-6.19	-6.19	0	%100
65	MP3C	X	3.574	3.574	0	%100
66	MP3C	Z	-6.19	-6.19	0	%100
67	MP4A	X	3.574	3,574	0	%100
68	MP4A	Z	-6.19	-6.19	0	%100
69	MP4B	X	3.574	3,574	0	<u>%100</u>
70	MP4B	Z	-6.19	-6.19	0	%100
71	MP4C	X	3.574	3.574	0	%100
72	MP4C	Z	-6.19	-6.19	0	%100
73	MP5A	X	4.326	4.326	0	%100
74	MP5A	Z	-7.493	-7.493	0	%100
75	MP5B	X	4,326	4.326	0	%100
76	MP5B	Z	-7.493	-7.493	0	%100
77	MP5C	X	4.326	4.326	0	%100
78	MP5C	Z	-7.493	-7.493	0	%100
79	M82	X	1.088	1.088	0	%100
80	M82	Z	-1.885	-1.885	0	%100
81	M83	X	3.519	3.519	0	%100
82	M83	Z	-6.095	-6.095	0	%100
83	M84	X	.889	.889	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	
84	M84	Z	-1.54	-1.54	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.	. Start Location[ft.%]	End Location[ft,%
1	A1	X	4.398	4.398	0	%100
2	A1	Z	-2.539	-2.539	0	%100
3	A2	X	4.398	4.398	0	%100
4	A2	Z	-2.539	-2.539	0	%100
5	A5	X	5.062	5,062	0	%100
6	A5	Z	-2.922	-2.922	0	%100
7	A6	X	7.602	7.602	0	%100
8	A6	Ž	-4.389	-4.389	0	%100
9	A7	X	1.547	1.547	0	%100
10	A7	Z	893	893	0	%100
	A8	X	1.547	1.547	0	%100
11 12	A8	Z	893	893	0	%100
	B26	X	4.398	4.398	0	%100
13		Z	-2.539	-2.539	0	%100
14	B26	X	4.398	4.398	0	%100
15	B27	Z	-2.539	-2.539	0	%100
16	B27	X	5.062	5.062	0	%100
17	B30	Z	-2.922	-2.922	0	%100
18	B30		7.602	7.602	0	%100
19	B31	X	-4.389	-4.389	0	%100
20	B31	Z	1.547	1.547	0	%100
21	B32	X	893	893	0	%100
22	B32	Z		1.547	0	%100
23	B33	<u>X</u>	1.547	893	Ö	%100
24	B33	Z	893		0	%100
25	B80	X	4.496	4.496	0	%100
26	B80	Z	-2.596	-2.596	0	%100
27	B81	X	4.23	4.23		%100
28	B81	Z	-2.442	-2.442	0	%100
29	C51	X	.177	.177		%100
30	C51	Z	102	102	0	%100
31	C52	X	.177	.177	0	
32	C52	Z	102	102	0	%100
33	C55	X	5.062	5.062	00	%100
34	C55	Z	-2.922	-2.922	0	%100
35	C56	X	7.602	7.602	0	%100
36	C56	Z	-4.389	-4.389	0	%100
37	C57	X	6.003	6.003	0	%100
38	C57	Z	-3.466	-3.466	0	%100
39	C58	X	6.003	6.003	0	%100
40	C58	Z	-3.466	-3.466	0	%100
41	C78	X	5.579	5.579	0	%100
	C78	Z	-3.221	-3.221	0	%100
42	C79	X	.569	.569	0	%100
43		Z	328	328	0	%100
44	C79	X	.211	.211	0	%100
45	M76	Z	122	-,122	Ō	%100
46	M76		5.077	5.077	Ö	%100
47	M77	X	-2.931	-2.931	Ö	%100
48	M77	Z		6.19	0	%100_
49	MP1A	X	6.19	-3,574	Ö	%100
50	MP1A	Z	-3.574	6.19	0	%100
51	MP1B	<u> </u>	6.19		0	%100
52	MP1B	Z	-3.574	-3.574	U	/6100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
53	MP1C	X	6.19	6.19	0	%100
54	MP1C	Z	-3.574	-3.574	0	%100
55	MP2A	X	6.19	6.19	0	%100
56	MP2A	Z	-3.574	-3.574	0	%100
57	MP2B	X	6.19	6.19	0	%100
58	MP2B	Z	-3.574	-3.574	0	%100
59	MP2C	X	6.19	6.19	0	%100
60	MP2C	Z	-3.574	-3.574	0	%100
61	MP3A	X	6.19	6.19	Ŏ	%100
62	MP3A	Z	-3.574	-3.574	Ö	%100
63	MP3B	X	6.19	6.19	0	%100
64	MP3B	Z	-3.574	-3.574	ŏ	%100
65	MP3C	X	6.19	6.19	Ŏ	%100
66	MP3C	Z	-3.574	-3.574	Ö	%100
67	MP4A	X	6.19	6.19	0	%100
68	MP4A	Z	-3.574	-3.574	Ŏ	%100
69	MP4B	X	6.19	6.19	Ŏ	%100
70	MP4B	Z	-3.574	-3.574	Ŏ	%100
71	MP4C	X	6,19	6.19	Ö	%100
72	MP4C	Z	-3.574	-3.574	Ö	%100
73	MP5A	X	7.493	7.493	Ö	%100
74	MP5A	Z	-4.326	-4.326	0	%100
75	MP5B	X	7.493	7,493	Ö	%100
76	MP5B	Z	-4.326	-4.326	0	%100
77	MP5C	X	7.493	7,493	0	%100
78	MP5C	Z	-4.326	-4.326	Ö	%100 %100
79	M82	X	4.957	4.957	0	%100 %100
80	M82	Z	-2.862	-2.862	0	%100
81	M83	X	3.936	3.936	0	%100
82	M83	Z	-2.272	-2.272	0	%100 %100
83	M84	X	.002	.002	0	%100 %100
84	M84	Z	000992	000992	Ö	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	A1	X	6.771	6.771	0	%100
2	A1	Z	0	0	0	%100
3	A2	X	6.771	6.771	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	5.845	5.845	0	%100
6	A5	Z	0	0	0	%100
7	A6	X	8.778	8.778	0	%100
8	A6	Z	0	0	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	0	0	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	0	0	0	%100
13	B26	X	1.693	1.693	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	1.693	1.693	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	5.845	5.845	0	%100
18	B30	Z	0	0.0,0	0	%100
19	B31	X	8.778	8.778	0	%100
20	B31	Z	0	0	0	%100
21	B32	X	5.361	5.361	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F.		End Location[ft,%]
22	B32	Z	0	0	0	%100
23	B33	X	5.361	5.361	0	%100
24	B33	Z	0	0	0	%100
25	B80	X	7.142	7.142	0	%100
26	B80	Z	0	0	0	%100
27	B81	X	1.427	1.427	0	%100
28	B81	Z	0	0	0	%100
29	C51	X	.792	.792	0	%100
30	C51	Z	0	0	0	%100
31	C52	X	.792	.792	0	%100
	C52	Z	0	0	0	%100
32	C55	X	5.845	5.845	0	%100
33		Z	0	0	0	%100
34	C55	X	8.778	8.778	0	%100
35	C56	Z	0	0	Ö	%100
36	C56		6.311	6.311	Ö	%100
37	C57	X	0.311	0.511	Ö	%100
38	C57	Z		6.311	0	%100
39	C58	X	6.311		0	%100
40	C58	Z	0	0		%100
41	C78	X	3.177	3.177	0	%100
42	C78	Z	0	0		%100
43	C79	X	.329	.329	0	
44	C79	Z	0	0	0	%100
45	M76	X	1.965	1.965	0	%100
46	M76	Z	0	0	0	%100
47	M77	X	7.102	7.102	0	%100
48	M77	Z	0	0	0	%100
49	MP1A	X	7.148	7.148	0	%100
50	MP1A	Z	0	0	0	%100
51	MP1B	X	7.148	7.148	0	%100
52	MP1B	Z	0	0	0	%100
53	MP1C	X	7.148	7.148	0	%100
54	MP1C	Z	0	0	0	%100
55	MP2A	X	7.148	7.148	0	%100
	MP2A	Z	0	0	0	%100
56		X	7.148	7.148	0	%100
57	MP2B	Z	0	0	0	%100
58	MP2B	X	7.148	7.148	0	%100
59	MP2C	Z	0	0	0	%100
60	MP2C		7.148	7.148	0	%100
61	MP3A	X	7.146	0	0	%100
62	MP3A	Z	7.148	7.148	0	%100
63	MP3B	X		0	Ö	%100
64	MP3B	Z	7 1 1 0		0	%100
65	MP3C	X	7.148	7.148	Ö	%100
66	MP3C	Z	0	7 140		%100
67	MP4A	X	7.148	7,148	0	%100 %100
68	MP4A	Z	0	0	0	%100 %100
69	MP4B	X	7.148	7.148	0	
70	MP4B	Z	0	0	0	%100
71	MP4C	X	7.148	7.148	0	%100
72	MP4C	Z	0	0	0	%100
73	MP5A	X	8.652	8.652	0	%100
74	MP5A	Z	0	0	0	%100
75	MP5B	X	8.652	8.652	0	%100
76	MP5B	Z	0	0	0	%100
77	MP5C	X	8.652	8.652	0	%100
11	MP5C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[ib/ft,	End Magnitude(lb/ft,F	Start Location[ft,%]	End Location[ft,%]
79	M82	X	7.121	7.121	0	%100
80	M82	Z	0	0	0	%100
81	M83	X	1.08	1.08	0	%100
82	M83	Z	0	0	0	%100
83	M84	X	1.579	1.579	0	%100
84	M84	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	A1	X	4.398	4.398	0	%100
2	A1	Z	2.539	2.539	0	%100
3	A2	X	4.398	4.398	0	%100
4	A2	Z	2.539	2.539	0	%100
5	A5	X	5.062	5.062	0	%100
6	A5	Z	2.922	2.922	0	%100
7	A6	X	7.602	7.602	0	%100
8	A6	Z	4.389	4.389	0	%100
9	A7	X	1.547	1.547	0	%100
10	A7	Z	.893	.893	0	%100
11	A8	X	1.547	1.547	0	%100
12	A8	Z	.893	.893	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	Ö	Ŏ	0	%100
16	B27	Z	0	Ö	Ö	%100
17	B30	X	5.062	5.062	0	%100
18	B30	Z	2.922	2.922	0	%100
19	B31	X	7.602	7.602	0	%100
20	B31	Z	4.389	4.389	Ö	%100
21	B32	X	6.19	6.19	0	%100
22	B32	Z	3.574	3.574	0	%100 %100
23	B33	X	6.19	6.19	0	%100 %100
24	B33	Ž	3.574	3.574	0	%100
25	B80	X	4.801	4.801		
26	B80	Z	2.772	2.772	0	%100
27	B81	X	.162	.162		%100
28	B81	Ž	.094	.094	0	%100
29	C51	X	3.441		0	%100
30	C51	Ž		3.441	0	%100
31	C52	X	1.987	1.987	0	%100
32	C52		3.441	3.441	0	%100
33	C55	Z	1.987	1.987	0	%100
			5.062	5.062	0	%100
34 35	C55	Z	2.922	2.922	0	%100
	C56	X	7.602	7.602	0	%100
36	C56	Z	4.389	4.389	0	%100
37	C57	X	2.558	2.558	0	%100
38	C57	Z	1.477	1.477	0	%100
39	C58	X	2.558	2.558	0	%100
40	C58	Z	1.477	1.477	0	%100
41	C78	X	.284	.284	0	%100
42	C78	Z	.164	.164	0	%100
43	C79	X	2.812	2.812	0	%100
44	C79	Z	1.623	1.623	0	%100
45	M76	X	4.691	4.691	0	%100
46	M76	Z	2.709	2.709	0	%100
47	M77	X	4.23	4.23	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F		End Location[ft,%]
48	M77	Z	2.442	2.442	0	%100
49	MP1A	X	6.19	6.19	0	%100
50	MP1A	Z	3.574	3.574	0	%100
51	MP1B	X	6.19	6.19	0	%100
52	MP1B	Z	3.574	3.574	0	%100
53	MP1C	X	6.19	6.19	0	%100
54	MP1C	Z	3.574	3.574	0	%100
55	MP2A	X	6.19	6.19	0	%100
56	MP2A	Z	3.574	3.574	0	%100
57	MP2B	X	6.19	6.19	0	%100
58	MP2B	Z	3.574	3.574	0	%100
59	MP2C	X	6.19	6.19	0	%100
60	MP2C	Z	3.574	3.574	0	%100
61	MP3A	X	6.19	6.19	0	%100
62	MP3A	Z	3.574	3.574	0	%100
63	MP3B	X	6.19	6.19	0	%100
64	MP3B	Z	3.574	3.574	0	%100
65	MP3C	X	6.19	6.19	0	%100
66	MP3C	Z	3.574	3.574	0	%100
67	MP4A	X	6.19	6.19	0	%100
68	MP4A	Z	3.574	3.574	0	%100
69	MP4B	X	6.19	6.19	0	%100
70	MP4B	Z	3.574	3.574	0	%100
71	MP4C	X	6.19	6.19	0	%100
72	MP4C	Z	3.574	3.574	0	%100
73	MP5A	X	7.493	7.493	0	%100
74	MP5A	Z	4.326	4.326	0	%100
75	MP5B	X	7.493	7.493	0	%100
76	MP5B	Z	4.326	4.326	0	%100
77	MP5C	X	7.493	7.493	0	%100
78	MP5C	Z	4.326	4.326	0	%100
	M82	X	4.305	4.305	0	%100
79		Z	2.486	2.486	0	%100
80	M82	X	.095	.095	0	%100
81	M83	Ž	.055	.055	0	%100
82	M83 M84	X	4.271	4.271	0	%100
83	M84	- ^ Z	2.466	2.466	Ō	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.,,	Start Location[ft,%]	End Location[ft,%]
1	A1	X	.846	.846	0	%100
2	A1	7	1.466	1.466	0	%100
3	A2	X	.846	.846	0	%100
	A2	7	1.466	1.466	0	%100
5	A5	Y X	2.922	2.922	0	%100
6	A5 A5	7	5.062	5.062	0	%100
7	A6	X	4.389	4.389	0	%100
8	A6	7	7,602	7,602	0	%100
9	A7	X	2.68	2.68	0	%100
10	A7	7	4.642	4.642	0	%100
11	A8	X	2.68	2.68	0	%100
12	A8	7	4.642	4.642	0	%100
13	B26	X	.846	.846	0	%100
14	B26	Z	1.466	1.466	0	%100
	B27	- X	.846	.846	0	%100
15 16	B27	Z	1.466	1.466	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
17	B30	X	2.922	2.922	0	%100
18	B30	Z	5.062	5.062	0	%100
19	B31	X	4.389	4.389	0	%100
20	B31	Z	7.602	7.602	0	%100
21	B32	X	2.68	2.68	0	%100
22	B32	Z	4.642	4.642	0	%100
23	B33	X	2.68	2.68	0	%100
24	B33	Z	4.642	4.642	0	%100
25	B80	X	.998	.998	0	%100
26	B80	Z	1.728	1.728	0	%100
27	B81	X	1.202	1.202	0	%100
28	B81	Z	2.083	2.083	0	%100
29	C51	X	3.284	3.284	0	%100
30	C51	Z	5.687	5.687	0	%100
31	C52	X	3.284	3.284	0	%100
32	C52	Z	5.687	5.687	0	%100
33	C55	X	2.922	2.922	Ö	%100
34	C55	Z	5.062	5.062	O O	%100
35	C56	X	4.389	4.389	0	%100
36	C56	Z	7.602	7.602	Ö	%100
37	C57	X	.108	.108	0	%100
38	C57	Z	.187	.187	Ö	%100
39	C58	X	.108	.108	0	%100
40	C58	Z	.187	.187	0	%100
41	C78	X	.372	.372	0	%100 %100
42	C78	Z	.644	.644	0	%100
43	C79	X	3.246	3.246	0	%100 %100
44	C79	Z	5.622	5.622	0	%100
45	M76	X	3.574	3.574	0	%100
46	M76	Z	6.19	6.19	0	%100 %100
47	M77	X	.714	.714	0	%100 %100
48	M77	Z	1.236	1.236	0	%100
49	MP1A	X	3.574	3.574	0	%100 %100
50	MP1A	Z	6.19	6.19	0	%100
51	MP1B	X	3.574	3.574	0	
52	MP1B	Z	6.19	6.19	0	%100 %100
53	MP1C	X	3.574	3.574		
54	MP1C	Ž	6.19	6.19	0	%100 %100
55	MP2A	X	3.574	3.574	0	
56	MP2A	Z	6.19	6.19	0	%100 %100
57	MP2B	X	3.574		0	
58	MP2B	Z		3.574	0	%100
59	MP2C	X	6.19	6.19	0	%100
60	MP2C	Z	3.574	3.574	0	%100
61	MP3A		6.19	6.19	0	%100
62	MP3A	X	3.574	3.574	0	%100
			6.19	6.19	0	%100
63	MP3B	X	3.574	3.574	0	%100
64	MP3B	Z	6.19	6.19	0	%100
65	MP3C	X	3.574	3.574	0	%100
66	MP3C	Z	6.19	6.19	0	%100
67	MP4A	X	3.574	3.574	0	%100
68	MP4A	Z	6.19	6.19	0	%100
69	MP4B	X	3.574	3.574	0	%100
70	MP4B	Z	6.19	6.19	0	%100
71	MP4C	X	3.574	3.574	0	%100
72	MP4C	Z	6.19	6.19	0	%100
73	MP5A	X	4.326	4.326	0	%100



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

	Manufact abol	Direction	Start Magnitude(lb/ft.	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
74	Member Label	7	7.493	7.493	.0	%100
74	MP5A		4.326	4.326	0	%100
75	MP5B			7.493	0	%100
76	MP5B	<u> </u>	7.493 4.326	4.326	0	%100
77	MP5C	<u>X</u>		7.493	0	%100
78	MP5C	Z	7.493		0	%100
79	M82	X	.712	.712	0	%100
80	M82	Z	1.233	1.233	0	
81	M83	X	1.302	1.302	0	%100
82	M83	Z	2.254	2.254	0	%100
83	M84	X	3.354	3.354	0	%100
84	M84	Z	5.809	5.809	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F.	. Start Location[ft,%]	End Location[ft,%]
1	A1	X	0	0	0	%100 %100
2	A1	Z	0	0	0	
3	A2	X	0	0	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	0	00	0	%100
6	A5	Z	5.845	5.845	0	%100
7	A6	X	0	0	00	%100
8	A6	Z	8.778	8.778	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	7.148	7.148	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	7.148	7.148	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	5.079	5.079	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	5.079	5.079	0	%100
17	B30	X	0	0	0	%100
	B30	Z	5.845	5.845	0	%100
18	B31	X	0	0	0	%100
19	B31	Ž	8.778	8.778	0	%100
20	B32	X	0	0	0	%100
21		Z	1.787	1.787	0	%100
22	B32	X	0	0	0	%100
23	B33	Z	1.787	1.787	0	%100
24	B33	X	0	0	0	%100
25	B80		.044	.044	0	%100
26	B80	Z	0	0	Ö	%100
27	B81	X	5.862	5.862	0	%100
28	B81	Z	0	0	0	%100
29	C51	X		5.979	Ŏ	%100
30	C51	Z	5.979	0.979	0	%100
31	C52	X		5.979	ŏ	%100
32	C52	Z	5.979		0	%100
33	C55	X	0	0 5.845	0	%100
34	C55	Z	5.845		0	%100
35	C56	X	0	0 779	0	%100
36	C56	Z	8.778	8.778		%100
37	C57	X	0	0	0	%100
38	C57	Z	.836	.836	0	%100 %100
39	C58	X	0	0	0	
40	C58	Z	.836	.836	0	%100
41	C78	X	0	0	0	%100
42	C78	Z	4.009	4.009	0	%100



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

40	Member Label	Direction		End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
43	C79	X	0	0	0	%100
44	C79	Z	6.82	6.82	0	%100
45	M76	X	0	0	0	%100
46	M76	Z	5,426	5.426	0	%100
47	M77	X	0	0	0	%100
48	M77	Z	.187	.187	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	7.148	7.148	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	7.148	7.148	0	%100
53	MP1C	X	0	0	0	%100
54	MP1C	Z	7.148	7.148	0	%100
55	MP2A	X	0	0	0	%100
56	MP2A	Z	7.148	7.148	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	7.148	7.148	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	7.148	7.148	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	7.148	7.148	0	%100
63	MP3B	X	0	0	0	%100
64	MP3B	Z	7.148	7.148	0	%100
65	MP3C	X	0	0	0	%100
66	MP3C	Z	7.148	7.148	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	7.148	7.148	0	%100
69	MP4B	X	0	0	0	%100
70	MP4B	Z	7.148	7.148	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	7.148	7.148	0	%100
73	MP5A	X	0	0	0	%100
74	MP5A	Z	8.652	8.652	0	%100
75	MP5B	X	0	0	0	%100
76	MP5B	Z	8.652	8.652	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	8.652	8.652	0	%100
79	M82	X	0	0	0	%100
80	M82	Z	.027	.027	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	6.067	6.067	0	%100
83	M84	X	0	0	0	%100
84	M84	Z	5.131	5.131	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.,	. Start Location[ft,%]	End Location[ft,%]
1	A1	X	846	846	0	%100
2	A1	Z	1.466	1.466	0	%100
3	A2	X	846	846	0	%100
4	A2	Z	1.466	1.466	Ō	%100
5	A5	X	-2.922	-2.922	0	%100
6	A5	Z	5.062	5.062	0	%100
7	A6	X	-4.389	-4.389	0	%100
8	A6	Z	7.602	7.602	0	%100
9	A7	X	-2.68	-2.68	0	%100
10	A7	Z	4.642	4.642	0	%100
11	A8	X	-2.68	-2.68	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude(lb/ft,F	Start Location[ft,%]	End Location[ft,%]
12	A8	Z	4.642	4.642	0	%100 %100
13	B26	X	-3.386	-3.386	0	%100
14	B26	Z	5.864	5.864	0	%100
15	B27	X	-3.386	-3.386		%100
16	B27	Z	5.864	5,864	0	%100
17	B30	X	-2.922	-2.922	0	%100
18	B30	Z	5.062	5.062	0	
19	B31	X	-4.389	-4.389	0	%100
20	B31	Z	7.602	7.602	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	0	0	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	0	0	0	%100
	B80	X	821	821	0	%100
25	B80	Z	1.422	1.422	0	%100
26		X	-3.551	-3.551	0	%100
27	B81	Z	6.15	6.15	0	%100
28	B81	X	-1.399	-1.399	0	%100
29	C51	Ž	2.423	2.423	0	%100
30	C51		-1.399	-1.399	Ö	%100
31	C52	X	2.423	2.423	0	%100
32	C52	Z	-2.922	-2.922	0	%100
33	C55	X		5.062	Ö	%100
34	C55	Z	5.062	-4.389	0	%100
35	C56	X	-4.389	7.602	0	%100
36	C56	Z	7.602		0	%100
37	C57	X	-2.097	-2.097	0	%100
38	C57	Z	3.632	3.632	0	%100
39	C58	X	-2.097	-2.097	0	%100
40	C58	Z	3.632	3.632	0	%100
41	C78	X	-3.429	-3.429		%100
42	C78	Z	5.939	5.939	0	%100
43	C79	X	-1.951	-1.951	0	%100
44	C79	Z	3.379	3.379	0	%100 %100
45	M76	X	987	987	0	
46	M76	Z	1.709	1.709	0	%100
47	M77	X	-1.202	-1.202	0	%100
48	M77	Z	2.083	2.083	0	%100
49	MP1A	X	-3.574	-3.574	0	%100
50	MP1A	Z	6.19	6.19	0	%100
51	MP1B	X	-3.574	-3.574	0	%100
52	MP1B	Z	6.19	6.19	0	%100
	MP1C	X	-3.574	-3.574	0	%100
53	MP1C	Z	6.19	6.19	0	%100
54	MP2A	X	-3.574	-3.574	0	%100
55		Z	6.19	6.19	0	%100
56	MP2A MP2R	X	-3.574	-3.574	0	%100
57	MP2B	Z	6.19	6.19	0	%100
58	MP2B	X	-3.574	-3.574	0	%100
59	MP2C	Z	6.19	6.19	0	%100
60	MP2C		-3.574	-3.574	0	%100
61	MP3A	X	6.19	6.19	0	%100
62	MP3A	Z	-3.574	-3.574	0	%100
63	MP3B	X		6.19	0	%100
64	MP3B	Z	6.19	-3.574	0	%100
65	MP3C	X	-3.574	6.19	0	%100
66	MP3C	Z	6.19		0	%100
67	MP4A	X	-3.574	-3.574	0	%100
68	MP4A	Z	6.19	6.19	U	/0100

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

	Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft,F	Start Location(ft %)	End Location[ft,%]
69	MP4B	X	-3.574	-3.574	0	%100
70	MP4B	Z	6.19	6.19	0	%100
71	MP4C	X	-3.574	-3.574	0	%100 %100
72	MP4C	Z	6.19	6.19	0	%100
73	MP5A	X	-4.326	-4.326	0	%100 %100
74	MP5A	Z	7.493	7.493	0	%100 %100
75	MP5B	X	-4.326	-4.326	0	%100 %100
76	MP5B	7	7.493	7.493	0	%100
77	MP5C	X	-4.326	-4.326	0	%100 %100
78	MP5C	7	7.493	7.493	0	
79	M82	X	-1.088	-1.088	0	%100
80	M82	7	1.885	1.885	0	%100
81	M83	X	-3.519	-3.519		<u>%100</u>
82	M83	7	6.095		0	%100
83	M84	X	889	6.095	0	%100
84	M84	Z	1.54	889 1.54	0	%100 %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 -	A1	X	-4.398	-4.398	0	%100
2	A1	Z	2.539	2.539	0	%100
3	A2	X	-4.398	-4.398	0	%100
4	A2	Z	2.539	2.539	0	%100
5	A5	X	-5.062	-5.062	0	%100
6	A5	Z	2.922	2.922	0	%100
7	A6	X	-7.602	-7.602	0	%100
8	A6	Z	4.389	4.389	0	%100
9	A7	X	-1.547	-1.547	0	%100
10	A7	Z	.893	.893	0	%100
11	A8	X	-1.547	-1.547	0	%100
12	A8	Z	.893	.893	Ö	%100
13	B26	X Z	-4.398	-4.398	Ö	%100
14	B26	Z	2.539	2.539	Ö	%100
15	B27	X	-4.398	-4.398	Ö	%100
16	B27	Z	2.539	2.539	Ö	%100
17	B30	X	-5.062	-5.062	0	%100
18	B30	Z	2.922	2.922	0	%100
19	B31	X	-7.602	-7.602	0	%100
20	B31	Z	4.389	4.389	0	%100
21	B32	X	-1.547	-1.547	0	%100
22	B32	Z	.893	.893	Ö	%100
23	B33	X	-1.547	-1.547	0	%100 %100
24	B33	Z	.893	.893	0	%100
25	B80	X	-4.496	-4.496	0	%100
26	B80	Z	2.596	2.596	0	%100
27	B81	X	-4.23	-4.23	0	%100
28	B81	Z	2.442	2.442	0	%100
29	C51	X	177	177	0	%100 %100
30	C51	Z	.102	.102	Ō	%100
31	C52	X	177	177	0	%100 %100
32	C52	Z	.102	.102	0	%100 %100
33	C55	X	-5.062	-5.062	0	%100 %100
34	C55	Z	2.922	2.922	0	%100 %100
35	C56	X	-7.602	-7.602	0	%100 %100
36	C56	Z	4.389	4.389	0	%100
37	C57	X	-6.003	-6.003	0	%100 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,9
38	C57	Z	3.466	3.466	0	%100
39	C58	X	-6.003	-6.003	0	%100
	C58	Z	3.466	3.466	0	%100
40	C78	X	-5.579	-5.579	0	%100
41	C78	Z	3.221	3.221	0	%100
42		X	569	569	0	%100
43	C79	Ž	.328	.328	0	%100
44	C79	X	211	211	0	%100
45	M76	Z	.122	.122	0	%100
46	M76		-5.077	-5.077	0	%100
47	M77	X	2.931	2.931	0	%100
48	M77		-6.19	-6.19	0	%100
49	MP1A	X		3.574	Ö	%100
50	MP1A	Z	3.574	-6.19	0	%100
51	MP1B	X	-6.19	3.574	0	%100
52	MP1B	Z	3.574	-6.19	0	%100
53	MP1C	X	-6.19		0	%100
54	MP1C	Z	3.574	3.574	0	%100
55	MP2A	X	-6.19	-6.19		%100
56	MP2A	Z	3.574	3.574	0	%100
57	MP2B	X	-6.19	-6.19	0	
58	MP2B	Z	3.574	3.574	0	%100
59	MP2C	X	-6.19	-6.19	0	%100
60	MP2C	Z	3.574	3.574	0	%100
61	MP3A	X	-6.19	-6.19	0	%100
62	MP3A	Z	3.574	3.574	0	%100
63	MP3B	X	-6.19	-6.19	0	%100
64	MP3B	Z	3.574	3.574	0	%100
65	MP3C	X	-6.19	-6.19	0	%100
	MP3C	Z	3.574	3.574	0	%100
66	MP4A	X	-6.19	-6.19	0	%100
67	MP4A	Z	3.574	3.574	0	%100
68		X	-6.19	-6.19	0	%100
69	MP4B	Z	3.574	3.574	0	%100
70	MP4B	X	-6.19	-6.19	0	%100
71	MP4C	Z	3.574	3.574	0	%100
72	MP4C		-7.493	-7.493	0	%100
73	MP5A	X	4.326	4.326	Ō	%100
74	MP5A	Z	-7.493	-7.493	0	%100
75	MP5B	X	4.326	4.326	Ö	%100
76	MP5B	Z		-7.493	Ö	%100
77	MP5C	X	-7.493	4.326	0	%100
78	MP5C	Z	4.326	-4.957	0	%100
79	M82	X	-4.957		0	%100
80	M82	Z	2.862	2.862		%100
81	M83	X	-3.936	-3.936	0	%100
82	M83	Z	2.272	2.272	0	%100
83	M84	X	002	002	0	
84	M84	Z	.000992	.000992	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F.,	. Start Location[ft,%]	End Location[ft.%]
4 1	Member Label	Direction	-6.771	-6.771	0	%100
1	Al		0.77	0	0	%100
2	A1		-6:771	-6.771	0	%100
3	A2	<u>x</u>	-0.11	-0.771	0	%100
4	A2		7.045	F 0.45	0	%100
5	A5	X	-5.845	-5.845	0	%100
6	A5	Z	0	0	U	70100



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

	Member Label	Direction		End Magnitude[lb/ft,F		End Location[ft,%]
7	A6	X	-8.778	-8.778	0	%100
8	A6	Z	0	0	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	0	0	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	0	0	0	%100
13	B26	X	-1.693	-1.693	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	-1.693	-1.693	0	%100
16	B27	Z	0	0	0	%100
_17	B30	X	-5.845	-5.845	0	%100
18	B30	Z	0	0	0	%100
19	B31	X	-8.778	-8.778	0	%100
20	B31	Z	0	0	0	%100
21	B32	X	-5.361	-5.361	0	%100
22	B32	Z	0	0	0	%100
23	B33	X	-5.361	-5.361	0	%100
24	B33	Z	0	0	0	%100
25	B80	X	-7.142	-7.142	0	%100 %100
26	B80	Z	0	0	0	%100
27	B81	X	-1.427	-1.427	0	%100 %100
28	B81	Z	0	0	0	%100
29	C51	X	792	792	0	%100 %100
30	C51	Z	0	0	0	%100
31	C52	X	792	792	0	%100 %100
32	C52	Z	0	0	0	%100 %100
33	C55	X	-5.845	-5.845	0	%100 %100
34	C55	Z	0	0	Ö	%100 %100
35	C56	X	-8.778	-8.778	0	%100 %100
36	C56	Z	0.170	0	0	%100 %100
37	C57	X	-6.311	-6.311	0	%100 %100
38	C57	Z	0	0	0	%100 %100
39	C58	X	-6.311	-6.311	0	%100 %100
40	C58	Z	0.011	0	0	%100 %100
41	C78	X	-3.177	-3.177	0	%100 %100
42	C78	Z	0	0	0	%100
43	C79	X	329	329	0	0/ 400
44	C79	Z	0	329	0	%100
45	M76	X	-1.965	-1.965	0	%100
46	M76	Z	0	-1.965	0	%100
47	M77	X	-7.102	-7.102	0	%100
48	M77	Z	0			%100
49	MP1A	X	-7.148	-7.148	0	%100
50	MP1A	Z	0		0	%100
51	MP1B	X	-7.148	7 140	0	%100
52	MP1B	Z	-7.148	-7.148	0	%100
53	MP1C	X		7.440	0	%100
54	MP1C	Z	-7.148	-7.148	0	%100
55	MP2A	X	7 149	7.440	0	%100
56	MP2A	Z	-7.148	-7.148	0	%100
57	MP2B	X	7 149	7 140	0	%100
58	MP2B	Z	-7.148	-7.148	0	%100
59	MP2C	X	7 1 1 9	7,440	0	%100
60	MP2C		-7.148	-7.148	0	%100
61		Z	7.440	0	0	%100
62	MP3A MP3A	X	-7.148	-7.148	0	%100
63	MP3B	X	7.440	0	0	%100
	IVIFOD	Λ	-7.148	-7.148	0	%100



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

	Member Lobol	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
CA	Member Label MP3B	7	0	0	0	%100
64	MP3C	X	-7.148	-7.148	0	%100
65		- 	1.1.0	0	0	%100
66	MP3C	X	-7.148	-7.148	0	%100
67	MP4A	Z	-7.140	0	0	%100
68	MP4A		-7.148	-7.148	0	%100
69	MP4B	<u> </u>	-7.140	-7.140	0	%100
70	MP4B	Z	7.440	7 1 1 0	0	%100
71	MP4C	X	-7.148	-7.148	0	%100
72	MP4C	Z	0	0		%100
73	MP5A	X	-8.652	-8.652	0	
74	MP5A	Z	0	0	0	%100
75	MP5B	X	-8.652	-8.652	0	%100
76	MP5B	Z	0	0	0	%100
77	MP5C	X	-8.652	-8.652	0	%100
78	MP5C	Z	0	0	0	%100
	M82	Y	-7.121	-7.121	0	%100
79		7	0	0	0	%100
80	M82	- 	-1.08	-1.08	0	%100
81	M83	<u> </u>	-1.00	0	0	%100
82	M83	Z	4.570	1 570	0	%100
83	M84	X	-1.579	-1.579	0	%100
84	M84	Z	0	0	U	76100

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	A1	X	-4.398	-4.398	0	%100
2	A1	Z	-2.539	-2.539	0	%100
3	A2	X	-4.398	-4.398	0	%100
4	A2	Z	-2.539	-2.539	0	%100
5	A5	X	-5.062	-5.062	0	%100
6	A5	Z	-2.922	-2.922	0	%100
7	A6	X	-7.602	-7.602	0	%100
8	A6	Z	-4.389	-4.389	0	%100
9	A7	X	-1.547	-1.547	0	%100
10	A7	Z	893	893	0	%100
11	A8	X	-1.547	-1.547	0	%100
	A8	Z	893	893	0	%100
12	B26	X	0	0	0	%100
13	B26	7	0	0	0	%100
14	B27	X	0	0	0	%100
15		Z	0	0	0	%100
16	B27	X	-5.062	-5.062	0	%100
17	B30	Z	-2.922	-2.922	0	%100
18	B30	X	-7.602	-7.602	0	%100
19	B31	Z	-4.389	-4.389	0	%100
20	B31	X	-6.19	-6.19	0	%100
21	B32		-3.574	-3.574	0	%100
22	B32	Z	-6.19	-6.19	0	%100
23	B33	Z	-3.574	-3.574	0	%100
24	B33			-4.801	0	%100
25	B80	X	-4.801 -2.772	-2.772	0	%100
26	B80	Z	-2.772	162	0	%100
27	B81	X		094	0	%100
28	B81	Z	094	-3.441	0	%100
29	C51	<u>X</u>	-3.441	-3.441	0	%100
30	C51	Z	-1.987		0	%100
31	C52	X	-3.441	-3.441	0	%100
32	C52	Z	-1.987	-1.987	0	/0100



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

rr-	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.	. Start Location[ft,%]	End Location[ft,%]
33	C55	X	-5.062	-5.062	0	%100
34	C55	Z	-2.922	-2.922	0	%100
35	C56	X	-7.602	-7.602	0	%100
36	C56	Z	-4.389	-4.389	0	%100
37	C57	X	-2.558	-2.558	0	%100
38	C57	Z	-1.477	-1.477	0	%100
39	C58	X	-2.558	-2.558	0	%100
40	C58	Z	-1.477	-1.477	0	%100
41	C78	X	284	284	0	%100
42	C78	Z	164	164	0	%100
43	C79	X	-2.812	-2.812	0	%100
44	C79	Z	-1.623	-1.623	0	%100
45	M76	X	-4.691	-4.691	0	%100
46	M76	Z	-2.709	-2.709	0	%100
47	M77	X	-4.23	-4.23	0	%100
48	M77	Z	-2.442	-2.442	Ö	%100
49	MP1A	X	-6.19	-6.19	0	%100
50	MP1A	Z	-3.574	-3.574	0	%100
51	MP1B	X	-6.19	-6.19	0	%100
52	MP1B	Z	-3.574	-3.574	0	%100
53	MP1C	X	-6.19	-6.19	0	%100
54	MP1C	Z	-3.574	-3.574	0	%100
55	MP2A	X	-6.19	-6.19	0	%100
56	MP2A	Z	-3.574	-3.574	0	%100
57	MP2B	X	-6.19	-6.19	Ö	%100
58	MP2B	Z	-3.574	-3.574	Ō	%100
59	MP2C	X	-6.19	-6.19	0	%100
60	MP2C	Z	-3.574	-3.574	Ō	%100
61	MP3A	X	-6.19	-6.19	0	%100
62	MP3A	Z	-3.574	-3.574	0	%100
63	MP3B	X	-6.19	-6.19	0	%100
64	MP3B	Z	-3.574	-3.574	Ö	%100
65	MP3C	X	-6.19	-6.19	0	%100
66	MP3C	Z	-3.574	-3.574	Ö	%100
67	MP4A	X	-6.19	-6.19	0	%100
68	MP4A	Z	-3.574	-3.574	0	%100
69	MP4B	X	-6.19	-6.19	0	%100
70	MP4B	Z	-3.574	-3.574	Ö	%100
71	MP4C	X	-6.19	-6.19	0	%100
72	MP4C	Z	-3.574	-3.574	Ö	%100
73	MP5A	X	-7.493	-7.493	0	%100
74	MP5A	Z	-4.326	-4.326	ŏ	%100
75	MP5B	X	-7.493	-7.493	ŏ	%100
76	MP5B	Z	-4.326	-4.326	ő	%100 %100
77	MP5C	X	-7.493	-7.493	0	%100
78	MP5C	Z	-4.326	-4.326	Ö	%100 %100
79	M82	X	-4.305	-4.305	ő	%100 %100
80	M82	Z	-2.486	-2.486	0	%100 %100
81	M83	X	095	095	0	%100 %100
82	M83	Z	055	055	Ö	%100
83	M84	Z X	-4.271	-4.271	0	%100
84	M84	Z	-2.466	-2.466	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	A1	X	846	846	0	%100



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

momo	Member Label	Direction		End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
2	A1	Z	-1.466	-1.466	0	%100
3	A2	X	846	846	0	%100
4	A2	Z	-1.466	-1.466	0	%100
5	A5	X	-2.922	-2.922	0	%100
6	A5	Z	-5.062	-5.062	0	%100
7	A6	X	-4.389	-4.389	0	%100
8	A6	Z	-7.602	-7.602	0	%100
9	A7	X	-2.68	-2.68	0	%100
10	A7	Z	-4.642	-4.642	0	%100
11	A8	X	-2.68	-2.68	0	%100
12	A8	Z	-4.642	-4.642	0	%100
13	B26	X	846	846	0	%100
14	B26	Z	-1.466	-1.466	0	%100
15	B27	X	846	846	0	%100
16	B27	Z	-1,466	-1.466	0	%100
17	B30	X	-2.922	-2.922	0	%100
18	B30	Z	-5.062	-5.062	0	%100
19	B31	X	-4.389	-4.389	0	%100
20	B31	Z	-7.602	-7.602	0	%100
	B32	X	-2.68	-2.68	0	%100
21	B32	Z	-4.642	-4.642	0	%100
22	B33	X	-2.68	-2.68	0	%100
23		Z	-4.642	-4.642	0	%100
24	B33 B80	X	998	998	0	%100
25		Z	-1.728	-1.728	0	%100
26	B80	X	-1.202	-1.202	0	%100
27	B81	Z	-2.083	-2.083	0	%100
28	B81	X	-3.284	-3.284	0	%100
29	C51		-5.687	-5.687	0	%100
30	C51	Z	-3.284	-3.284	0	%100
31	C52	X	-5.687	-5.687	Ö	%100
32	C52	Z	-2.922	-2.922	0	%100
_33	C55	X	-5.062	-5.062	0	%100
34	C55	Z	-4.389	-4.389	0	%100
35	C56	X		-7.602	0	%100
36	C56	Z	-7.602	108	0	%100
37	C57	X	108	187	0	%100
38	C57	Z	187	108	0	%100
39	C58	X	108	187	0	%100
40	C58	Z	187	372	0	%100
41	C78	X	372	644	0	%100
42	C78	Z	644	-3.246	0	%100
43	C79	X	-3.246		0	%100
44	C79	Z	-5.622	-5.622		%100
45	M76	X	-3.574	-3.574	0	%100
46	M76	Z	-6.19	-6.19	0	%100
47	M77	X	714	714	0	%100
48	M77	Z	-1.236	-1.236		%100
49	MP1A	X	-3.574	-3.574	0	%100
50	MP1A	Z	-6.19	-6.19	0	%100
51	MP1B	X	-3.574	-3.574		
52	MP1B	Z	-6.19	-6.19	0	%100 %100
53	MP1C	X	-3.574	-3.574	0	%100 %100
54	MP1C	Z	-6.19	-6.19	0	%100 %100
55	MP2A	X	-3.574	-3.574	0	%100 %100
56	MP2A	Z	-6.19	-6.19	0	%100
57	MP2B	X	-3.574	-3.574 -6.19	0	%100 %100
	MP2B	Z	-6.19			

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
59	MP2C	X	-3.574	-3.574	0	%100
60	MP2C	Z	-6.19	-6.19	0	%100
61	MP3A	X	-3.574	-3,574	0	%100
62	MP3A	Z	-6.19	-6.19	0	%100
63	MP3B	X	-3.574	-3.574	0	%100
64	MP3B	Z	-6.19	-6.19	0	%100
65	MP3C	X	-3.574	-3.574	0	%100
66	MP3C	Z	-6.19	-6.19	0	%100
67	MP4A	X	-3.574	-3.574	0	%100
68	MP4A	Z	-6.19	-6.19	0	%100
69	MP4B	X	-3.574	-3.574	0	%100
70	MP4B	Z	-6.19	-6.19	0	%100
71	MP4C	X	-3.574	-3.574	0	%100
72	MP4C	Z	-6.19	-6.19	0	%100
73	MP5A	X	-4.326	-4.326	0	%100
74	MP5A	Z	-7.493	-7.493	0	%100
75	MP5B	X	-4.326	-4.326	0	%100
76	MP5B	Z	-7.493	-7.493	0	%100
77	MP5C	X	-4.326	-4.326	0	%100
78	MP5C	Z	-7.493	-7.493	0	%100
79	M82	X	712	712	0	%100
80	M82	Z	-1.233	-1.233	0	%100
81	M83	X	-1.302	-1.302	Ö	%100
82	M83	Z	-2.254	-2.254	0	%100
83	M84	X	-3.354	-3.354	0	%100
84	M84	Z	-5.809	-5.809	Ö	%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	A1	X	0	0	0	%100
2	A1	Z	0	0	0	%100
3	A2	X	0	0	0	%100
4	A2	Z	0	Ö	0	%100
5	A5	X	0	0	0	%100
6	A5	Z	-1.999	-1.999	0	%100
7	A6	X	0	0	0	%100
8	A6	Z	-2.702	-2.702	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	-2.418	-2.418	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	-2.418	-2.418	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	-1.511	-1.511	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	-1.511	-1.511	0	%100
17	B30	X	0	0	0	%100
18	B30	Z	-1.999	-1.999	0	%100
19	B31	X	0	0	0	%100
20	B31	Z	-2.702	-2.702	0	%100
21	B32	X	0	0	Ō	%100
22	B32	Z	604	604	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	604	604	0	%100
25	B80	X	0	0	0	%100
26	B80	Z	015	015	0	%100
27	B81	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%] %100
28	B81	Z	-1.983	-1.983	0	%100
29	C51	X	0	0	0	%100
30	C51	Z	-1.779	-1.779	0	%100 %100
31	C52	X	0	0	0	%100 %100
32	C52	Z	-1.779	-1.779	0	%100 %100
33	C55	X	0	0	0	
34	C55	Z	-1.999	-1.999	0	%100
35	C56	X	0	0	0	%100
36	C56	Z	-2.702	-2.702	0	%100
37	C57	X	0	0	0	%100
38	C57	Z	283	283	0	%100
39	C58	X	0	0	0	%100
40	C58	Z	283	283	0	%100
41	C78	X	0	0	0	%100
42	C78	Z	-1.356	-1,356	0	%100
43	C79	X	0	0	0	%100
44	C79	Z	-2.307	-2.307	0	%100
45	M76	X	0	0	0	%100
46	M76	Z	-1.835	-1.835	0	<u>%100</u>
47	M77	X	0	0	0	%100
48	M77	Z	063	063	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	-2.418	-2.418	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	-2.418	-2.418	0	%100
53	MP1C	X	0	0	0	%100
	MP1C	Z	-2.418	-2.418	0	%100
54	MP2A	X	0	0	0	%100
55	MP2A	Z	-2.418	-2.418	0	%100
56	MP2B	X	0	0	0	%100
57	MP2B	Z	-2.418	-2.418	0	%100
58		X	0	0	0	%100
59	MP2C	Z	-2.418	-2.418	0	%100
60	MP2C	X	0	0	0	%100
61	MP3A	Z	-2.418	-2.418	0	%100
62	MP3A	X	0	0	0	%100
63	MP3B	Z	-2.418	-2.418	0	%100
64	MP3B	X	0	0	0	%100
65	MP3C	Z	-2.418	-2.418	Ö	%100
66	MP3C	X	0	0	0	%100
67	MP4A	Z	-2.418	-2.418	0	%100
68	MP4A		-2.410	0	0	%100
69	MP4B	X		-2.418	0	%100
70	MP4B		-2.418	0	Ö	%100
71	MP4C	X	0 2 419	-2.418	0	%100
72	MP4C	<u>Z</u>	-2.418	-2.410	0	%100
73	MP5A	X	0	-2.681	0	%100
74	MP5A	Z	-2.681	-2.001	0	%100
75	MP5B	X	0	-2.681	0	%100 %100
76	MP5B	<u>Z</u>	-2.681	1111	0	%100
77	MP5C	X	0	0	0	%100 %100
78	MP5C	Z	-2.681	-2.681	0	%100 %100
79	M82	X	0	0	0	%100
80	M82	Z	009	009	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	-2.052	-2.052	0	%100
83	M84	Z	-1.76	-1.76	0	%100
84	M84					

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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	A1	X	.252	.252	0	%100
2	<u>A1</u>	Z	436	436	0	%100
3	A2	X	.252	.252	0	%100
4	A2	Z	436	436	0	%100
5	A5	X	1	1	0	%100
6	A5	Z	-1.731	-1.731	0	%100
7	A6	X	1.351	1.351	0	%100
8	A6	Z	-2.34	-2.34	0	%100
9	A7	X	.907	.907	0	%100
10	A7	Z	-1.57	-1.57	0	%100
11	A8	X	.907	.907	0	%100
12	A8	Z	-1.57	-1.57	0	%100
13	B26	X	1.008	1.008	0	%100
14	B26	Z	-1.745	-1.745	0	%100
15	B27	X	1.008	1.008	0	%100
16	B27	Z	-1.745	-1.745	0	%100
17	B30	X	1	1 1	0	%100
18	B30	Z	-1.731	-1.731	Ö	%100
19	B31	X	1.351	1.351	0	%100 %100
20	B31	Z	-2.34	-2.34	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	Ö	0	0	%100 %100
23	B33	X	0	0	0	%100 %100
24	B33	Z	0	0	0	
25	B80	X	.278	.278		%100 %100
26	B80	Z	481	481	0	
27	B81	X	1.201		0	%100
28	B81	Z	-2.08	1.201	0	%100
29	C51	X	.416	-2.08	0	%100
30	C51	Z		.416	0	%100
31	C52	X	721	721	0	%100
32	C52	Z	.416	.416	0	%100
33	C55		721	721	0	%100
34	C55	Z	1 1 704	1 701	0	%100
35	C56	X	-1.731	-1.731	0	%100
36	C56		1.351	1.351	0	%100
37	C57	Z	-2.34	-2.34	0	%100
38	C57	X	.709	.709	0	%100
		Z	-1.229	-1.229	0	%100
39 40	C58	X	.709	.709	0	%100
41	C58	Z	-1.229	-1.229	0	%100
	C78	X	1.16	1,16	0	%100
42	C78	Z	-2.009	-2.009	0	%100
43	C79	X	.66	.66	0	%100
44	C79	Z	-1.143	-1.143	0	%100
45	M76	<u>X</u>	.334	.334	0	%100
46	M76	Z	578	578	0	%100
47	M77	X	.407	.407	0	%100
48	M77	Z	705	705	0	%100
49	MP1A	X	1.209	1.209	0	%100
50	MP1A	Z	-2.094	-2.094	0	%100
51	MP1B	X	1.209	1.209	0	%100
52	MP1B	Z	-2.094	-2.094	0	%100
53	MP1C	X	1.209	1.209	0	%100
54	MP1C	Z	-2.094	-2.094	0	%100
55	MP2A	X	1.209	1.209	0	%100
56	MP2A	Z	-2.094	-2.094	0	%100
57	MP2B	X	1.209	1.209	0	%100



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

	Member Label	Direction	Start Magnitude(lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
58	MP2B	7	-2.094	-2.094	0	%100
59	MP2C	X	1.209	1.209	0	%100
	MP2C	Z	-2.094	-2.094	0	%100
60	MP3A	X	1.209	1.209	0	%100
61		7	-2.094	-2.094	0	%100
62	MP3A	X	1.209	1.209	0	%100
63	MP3B	7	-2.094	-2.094	0	%100
64	MP3B		1.209	1.209	0	%100
65	MP3C	X	-2.094	-2.094	0	%100
66	MP3C	Z		1.209	0	%100
67	MP4A	X	1.209	-2.094	Ö	%100
68	MP4A	Z	-2.094		0	%100
69	MP4B	X	1.209	1.209	0	%100
70	MP4B	Z	-2.094	-2.094	0	%100
71	MP4C	X	1.209	1.209		%100
72	MP4C	Z	-2.094	-2.094	0	
73	MP5A	X	1.34	1.34	0	%100
74	MP5A	Z	-2.321	-2.321	0	%100
75	MP5B	X	1.34	1.34	0	%100
76	MP5B	Z	-2.321	-2.321	0	%100
77	MP5C	X	1.34	1.34	0	%100
78	MP5C	Z	-2.321	-2.321	0	%100
	M82	X	.368	.368	0	%100
79	M82	7	638	638	0	%100
80		X	1.19	1.19	0	%100
81	M83	Z	-2.062	-2.062	0	%100
82	M83	X	.305	.305	0	%100
83	M84 M84	Z	528	528	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	A1	X	1.309	1.309	0	%100
2	A1	Z	756	756	0	<u>%100</u>
2	A2	X	1.309	1.309	0	%100
3	A2	7	756	756	0	%100
4		X	1.731	1.731	0	%100
5	A5	Z	-1	-1	0	%100
6 7	A5	X	2.34	2.34	0	%100
	A6	Z	-1.351	-1.351	0	%100
8	A6	X	.523	.523	0	%100
9	A7	Ž	302	302	0	%100
10	A7	X	523	.523	0	%100
11	A8		302	302	0	%100
12	A8	Z	1,309	1.309	0	%100
13	B26	X		756	0	%100
14	B26	Z	756	1.309	0	%100
15	B27	X	1.309		0	%100
16	B27	Z	756	756	0	%100
17	B30	X	1.731	1.731	0	%100
18	B30	Z	-1		0	%100
19	B31	X	2.34	2.34		%100
20	B31	Z	-1.351	-1.351	0	%100 %100
21	B32	X	.523	.523	0	
22	B32	Z	302	302	0	%100
23	B33	X	.523	.523	0	%100
24	B33	Z	302	302	0	%100
25	B80	X	1.521	1.521	0	%100
26	B80	Z	878	878	0	%100



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

27	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F.		End Location[ft,%]
	B81	X	1.431	1.431	0	%100
28	B81	Z	826	826	0	%100
29	C51	X	.053	.053	0	%100
30	C51	Z	03	03	0	%100
31	C52	X	.053	.053	0	%100
32	C52	Z	03	03	0	%100
33	C55	X	1.731	1.731	0	%100
34	C55	Z	4		0	%100
35	C56	X	2.34	2.34	0	%100
36	C56	Z	-1.351	-1.351	0	%100
37	C57	X	2.031	2.031	0	%100
38	C57	Z	-1.172	-1.172	0	%100
39	C58	X	2.031	2.031	0	%100
40	C58	Z	-1.172	-1.172	Ō	%100
41	C78	X	1.887	1.887	0	%100
42	C78	Z	-1.09	-1.09	Ō	%100
43	C79	X	.192	.192	0	%100 %100
44	C79	Z	111	111	0	%100
45	M76	X	.071	.071	0	%100
46	M76	Z	041	041	Ö	%100 %100
47	M77	X	1.717	1.717	0	%100 %100
48	M77	Z	991	991	Ö	%100
49	MP1A	X	2.094	2.094	0	
50	MP1A	Z	-1.209	-1.209		%100
51	MP1B	X	2.094	2.094	0	%100
52	MP1B	Z	-1.209		0	%100
53	MP1C	X	2.094	-1.209	0	%100
54	MP1C	Z	-1.209	2.094	0	%100
55	MP2A	X		-1.209	0	%100
56	MP2A	Z	2.094	2.094	0	%100
57	MP2B	X		-1.209	0	%100
58	MP2B		2.094	2.094	0	%100
59	MP2C	Z	-1.209	-1.209	0	%100
60	MP2C		2.094	2.094	0	%100
61	MP3A	Z	-1.209	-1.209	0	%100
62	MP3A	Z	2.094	2.094	0	%100
63	MP3B		-1.209	-1.209	0	%100
64		X	2.094	2.094	0	%100
65	MP3B	Z	-1.209	-1.209	0	%100
	MP3C	X	2.094	2.094	0	%100
66	MP3C	Z	-1.209	-1.209	0	%100
67	MP4A	X	2.094	2.094	0	%100
68	MP4A	Z	-1.209	-1.209	0	%100
69	MP4B	X	2.094	2.094	0	%100
70	MP4B	Z	-1.209	-1.209	0	%100
71	MP4C	X	2.094	2.094	0	%100
72	MP4C	Z	-1.209	-1.209	0	%100
73	MP5A	X	2.321	2.321	0	%100
74	MP5A	Z	-1.34	-1.34	0	%100
75	MP5B	X	2.321	2.321	0	%100
76	MP5B	Z	-1.34	-1.34	0	%100
77	MP5C	X	2.321	2.321	0	%100
78	MP5C	Z	-1.34	-1.34	0	%100
79	M82	X	1.677	1.677	0	%100
80	M82	Z	968	968	0	%100
81	M83	X	1.331	1.331	0	%100
82	M83	Z	769	769	0	%100
83	M84	X	.000589	.000589	0	%100



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

Mambarlabal	Direction	Start Magnitude(lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
Member Label M84	7	00034	00034	0	%100

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

	Member Label	Direction		.End Magnitude[lb/ft,F.	. Start Location[ft,%]	End Location[ft,% %100
1	A1	X	2.015	2.015	0	%100
2	A1	Z	0	0	0	
3	A2	X	2.015	2.015	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	1.999	1.999	0	%100
6	A5	Z	0	0	0	%100
7	A6	X	2.702	2.702	0	%100
8	A6	Z	0	0	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	0	0	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	0	0	0	%100
13	B26	X	.504	.504	0	%100
	B26	Z	0	0	0	%100
14	B27	X	.504	.504	0	%100
15		Ž	0	0	0	%100
16	B27	X	1.999	1.999	0	%100
17	B30	Z	0	0	0	%100
18	B30	X	2.702	2.702	0	%100
19	B31		0	0	0	%100
20	B31	Z	1.813	1.813	0	%100
21	B32	X	0	0	Ō	%100
22	B32	Z		1.813	0	%100
23	B33	<u>X</u>	1.813	0	0	%100
24	B33	Z	0	2.416	0	%100
25	B80	X	2.416		0	%100
26	B80	Z	0	0	0	%100
27	B81	X	.483	.483	0	%100
28	B81		0	0	0	%100
29	C51	X	.236	.236		%100
30	C51	Z	0	0	0	%100 %100
31	C52	X	.236	.236	0	
32	C52	Z	0	0	0	%100
33	C55	X	1.999	1.999	0	%100
34	C55	Z	0	0	0	%100
35	C56	X	2.702	2.702	00	%100
36	C56	Z	0	0	0	%100
37	C57	X	2.135	2.135	0	%100
38	C57	Z	0	0	0	%100
	C58	X	2.135	2.135	0	%100
39	C58	Z	0	0	0	%100
40	C78	X	1.075	1.075	0	%100
41		Ž	0	0	0	%100
42	C78	X	.111	.111	0	%100
43	C79	7	0	0	0	%100
44	C79	Z	.665	.665	0	%100
45	M76	X	.005	.003	Ö	%100
46	M76	Z		2.402	0	%100
47	M77	X	2.402	0	0	%100
48	M77	Z	0		0	%100
49	MP1A	X	2.418	2.418		%100
50	MP1A	Z	0	0 110	0	%100
51	MP1B	X	2.418	2.418	0	%100
52	MP1B	Z	0	0	0	76 100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.,	Start Location[ft.%]	End Location[ft,%]
53	MP1C	X	2.418	Ž.418	0	%100
54	MP1C	Z	0	0	0	%100
55	MP2A	X	2.418	2.418	0	%100
56	MP2A	Z	0	0	0	%100
57	MP2B	X	2.418	2.418	0	%100
58	MP2B	Z	0	0	0	%100
59	MP2C	X	2.418	2.418	0	%100
60	MP2C	Z	0	0	Ŏ	%100 %100
61	MP3A	X	2,418	2.418	0	%100
62	MP3A	Z	0	0	Ŏ	%100 %100
63	MP3B	X	2.418	2.418	0	%100 %100
64	MP3B	Z	0	0	Ö	%100
65	MP3C	X	2.418	2.418	0	%100 %100
66	MP3C	7	0	2.410	0	%100 %100
67	MP4A	X	2.418	2.418	Ö	%100 %100
68	MP4A	Z	0	0	Ö	%100
69	MP4B	X	2.418	2.418	0	%100 %100
70	MP4B	Z	0	0	Ö	%100 %100
71	MP4C	X	2.418	2.418	0	%100 %100
72	MP4C	Z	0	2.410	0	%100 %100
73	MP5A	X	2.681	2.681	0	%100 %100
74	MP5A	Z	0	2.001	0	%100
75	MP5B	X	2.681	2.681	0	%100 %100
76	MP5B	Z	2.001	2.001	0	%100
77	MP5C	X	2.681	2.681	0	%100 %100
78	MP5C	Z	0	2.001	0	
79	M82	X	2.409	2.409	0	%100 %100
80	M82	Z	0	0		%100
81	M83	X	.365	.365	0	%100
82	M83	Z	0	.303	0	%100
83	M84	X	.541			%100
84	M84	Z	.541	.541	0	%100 %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	A1	X	1.309	1.309	0	%100
2	A1	Z	.756	.756	0	%100
3	A2	X	1.309	1.309	0	%100
4	A2	Z	.756	.756	0	%100
5	A5	X	1.731	1.731	0	%100
6	A5	Z	1	1	0	%100
7	A6	X	2.34	2.34	0	%100
8	A6	Z	1.351	1.351	0	%100
9	A7	X	.523	.523	0	%100
10	A7	Z	.302	.302	0	%100
11	A8	X	.523	.523	0	%100
12	A8	Z	.302	.302	Ō	%100
13	B26	X	0	0	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	1.731	1.731	0	%100
18	B30	Z		1	0	%100
19	B31	X	2.34	2.34	0	%100 %100
20	B31	Z	1.351	1.351	0	%100
21	B32	X	2.094	2.094	0	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.,	. Start Location[ft,%]	End Location[ft,%]
22	B32	Z	1.209	1.209	0	%100
23	B33	X	2.094	2.094	0	%100
24	B33	Z	1.209	1.209	0	%100
25	B80	X	1.624	1.624	0	%100
26	B80	Z	.938	.938	0	%100
27	B81	X	.055	.055	0	%100
28	B81	Z	.032	.032	0	%100
29	C51	X	1.024	1.024	0	%100
30	C51	Z	.591	.591	0	%100
	C52	X	1.024	1.024	0	%100
31	C52	Z	.591	.591	0	%100
32		X	1.731	1.731	0	%100
33	C55	Z	1.751	1	0	%100
34	C55		2.34	2.34	0	%100
35	C56	X	1.351	1.351	0	%100
36	C56	Z		.865	Ö	%100
37	C57	X	.865	.499	0	%100
38	C57	Z	.499		0	%100
39	C58	X	.865	.865 .499	0	%100
40	C58	_ Z	.499		0	%100 %100
41	C78	X	.096	.096		%100
42	C78	Z	.055	.055	0	%100 %100
43	C79	X	.951	.951	0	
44	C79	Z	.549	.549	0	%100
45	M76	X	1.587	1.587	0	%100
46	M76	Z	.916	.916	0	%100
47	M77	X	1.431	1.431	0	%100
48	M77	Z	.826	.826	0	%100
49	MP1A	X	2.094	2.094	0	%100
50	MP1A	Z	1.209	1.209	0	%100
51	MP1B	X	2.094	2.094	0	%100
52	MP1B	Z	1.209	1.209	0	%100
53	MP1C	X	2.094	2.094	0	%100
54	MP1C	Z	1.209	1.209	0	%100
55	MP2A	X	2.094	2.094	0	%100
	MP2A	Z	1.209	1.209	0	%100
56	MP2B	X	2.094	2.094	0	%100
57		Z	1.209	1.209	0	%100
58	MP2B	X	2.094	2.094	0	%100
59	MP2C		1.209	1.209	0	%100
60	MP2C	Z	2.094	2.094	0	%100
61	MP3A	X	1.209	1.209	0	%100
62	MP3A	Z	2.094	2.094	0	%100
63	MP3B	X		1.209	Ö	%100
64	MP3B	Z	1.209	2.094	0	%100
65	MP3C	X	2.094		0	%100
66	MP3C	Z	1.209	1.209		%100 %100
67	MP4A	X	2.094	2.094	0	%100 %100
68	MP4A	Z	1.209	1.209	0	
69	MP4B	X	2.094	2.094	0	%100
70	MP4B	Z	1.209	1.209	0	%100
71	MP4C	X	2.094	2.094	0	%100
72	MP4C	Z	1.209	1.209	0	%100
73	MP5A	X	2.321	2.321	0	%100
74	MP5A	Z	1.34	1.34	0	%100
75	MP5B	X	2.321	2.321	0	%100
76	MP5B	Z	1.34	1.34	0	%100
77	MP5C	X	2.321	2.321	0	%100
78	MP5C	7	1.34	1.34	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
79	M82	X	1.456	1.456	0	%100
80	M82	Z	.841	.841	0	%100
81	M83	X	.032	.032	0	%100
82	M83	Z	.019	.019	0	%100
83	M84	X	1,465	1.465	0	%100
84	M84	Z	.846	.846	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_1_	A1	X	.252	.252	0	%100
2	A1	Z	.436	.436	0	%100
3	A2	X	.252	.252	0	%100
4	A2	Z	.436	.436	0	%100
5	A5	X	1	1	0	%100
6	A5	Z	1.731	1.731	0	%100
7	A6	X	1.351	1.351	0	%100
8	A6	Z	2.34	2.34	0	%100
9	A7	X	.907	.907	0	%100
10	A7	Z	1.57	1.57	0	%100
11	A8	X	.907	.907	Ō	%100
12	A8	Z	1.57	1.57	0	%100
13	B26	X	.252	.252	Ō	%100
14	B26	Z	.436	.436	Ö	%100
15	B27	X	.252	.252	Ö	%100
16	B27	Z	.436	.436	Ö	%100 %100
17	B30	X	1	1	0	%100
18	B30	Z	1.731	1.731	0	%100 %100
19	B31	X	1.351	1.351	0	%100 %100
20	B31	Z	2.34	2.34	0	%100 %100
21	B32	X	.907	.907	0	%100 %100
22	B32	Z	1.57	1.57	Ö	%100
23	B33	X	.907	.907	0	
24	B33	Z	1.57	1.57	Ö	%100
25	B80	X	.337	.337		%100
26	B80	Ž	.584	.584	0	%100
27	B81	X	.407	.407		%100
28	B81	Ž	.705		0	%100
29	C51	X -	.977	.705	0	%100
30	C51	Ž		.977	0	%100
31	C52	X	1.692	1.692	0	%100
32	C52		.977	.977	0	%100
33	C55	Z X	1.692	1.692	0	%100
34	C55		1 704	1 1	0	%100
35	C56	Z	1.731	1.731	0	%100
36			1.351	1.351	0	%100
37	C56 C57	Z	2.34	2.34	0	%100
		X	.036	.036	0	%100
38	C57	Z	.063	.063	0	%100
39	C58	X	.036	.036	0	%100
40	C58	Z	.063	.063	0	%100
41	C78	X	.126	.126	0	%100
42	C78	Z	.218	.218	0	%100
43	C79	X	1.098	1.098	0	%100
44	C79	Z	1.902	1.902	0	%100
45	M76	X	1.209	1.209	0	%100
46	M76	Z	2.094	2.094	0	%100
47	M77	X	.241	.241	0	%100



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

	Member Label	Direction		End Magnitude[lb/ft.F		End Location[ft,%]
48	M77	Z	.418	.418	0	%100
49	MP1A	X	1.209	1.209	0	%100_
50	MP1A	Z	2.094	2.094	0	%100
51	MP1B	X	1.209	1.209	0	%100
52	MP1B	Z	2.094	2.094	0	%100
53	MP1C	X	1.209	1.209	0	%100
54	MP1C	Z	2.094	2.094	0	%100
55	MP2A	X	1.209	1.209	0	%100
56	MP2A	Z	2.094	2.094	0	%100
57	MP2B	X	1.209	1.209	0	%100
58	MP2B	Z	2.094	2.094	0	%100
59	MP2C	X	1.209	1.209	0	%100
60	MP2C	Z	2.094	2.094	0	%100
61	MP3A	X	1.209	1.209	0	%100
62	MP3A	Z	2.094	2.094	0	%100
63	MP3B	X	1.209	1.209	0	%100
64	MP3B	Z	2.094	2.094	0	%100
65	MP3C	X	1.209	1.209	0	%100
66	MP3C	Z	2.094	2.094	0	%100
67	MP4A	X	1.209	1.209	0	%100
68	MP4A	Z	2.094	2.094	0	%100
69	MP4B	X	1.209	1.209	0	%100
70	MP4B	Z	2.094	2.094	0	%100
71	MP4C	X	1.209	1.209	0	%100
72	MP4C	Z	2.094	2.094	0	%100
73	MP5A	X	1.34	1.34	0	%100
74	MP5A	Z	2.321	2.321	0	%100
75	MP5B	X	1.34	1.34	0	%100
76	MP5B	Z	2.321	2.321	0	%100
77	MP5C	X	1.34	1.34	0	%100
78	MP5C	Z	2.321	2.321	0	%100
	M82	X	.241	.241	0	%100
79 80	M82	7	.417	.417	0	%100
81	M83	X	.44	.44	0	%100
82	M83	Z	.763	.763	0	%100
83	M84	X	1.15	1.15	0	%100
84	M84	Ž	1.992	1.992	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	A1	X	0	0	0	%100
2	A1	7	0	0	0	%100
3	A2	X	0	0	0	%100
4	A2	7	0	0	0	%100
5	A5	X	0	0	0	%100
6	A5	7	1.999	1.999	0	%100
7	A6	X	0	0	0	%100
	A6	7	2.702	2.702	0	%100
8	A7	+ ×	0	0	0	%100
9	A7	7	2.418	2.418	0	%100
10		Y	0	0	0	%100
	A8	7	2.418	2.418	0	%100
12	A8 - B26	X	2.410	0	- 0	%100
13	B26	Ž	1.511	1.511	0	%100
14		- Z	0	0	0	%100
15	B27 B27	Ž	1.511	1.511	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,.	End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
17	B30	X	0	0	0	%100
18	B30	Z	1.999	1.999	0	%100
19	B31	X	0	0	0	%100
20	B31	Z	2.702	2.702	0	%100
21	B32	X	0	.0	0	%100
22	B32	Z	.604	.604	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	.604	.604	0	%100
25	B80	X	0	0	0	%100
26	B80	Z	.015	.015	0	%100
27	B81	X	0	0	0	%100
28	B81	Z	1.983	1.983	0	%100
29	C51	X	0	0	0	%100
30	C51	Z	1.779	1.779	0	%100
31	C52	X	0	0	0	%100
32	C52	Z	1.779	1.779	0	%100
33	C55	X	0	0	0	%100
34	C55	Z	1.999	1.999	0	%100
35	C56	X	0	0	0	%100 %100
36	C56	Z	2.702	2.702	0	%100 %100
37	C57	X	0	0	0	%100
38	C57	Z	.283	.283	0	%100
39	C58	X	0	0	0	%100 %100
40	C58	Z	.283	.283	0	%100
41	C78	X	0	0	0	%100 %100
42	C78	Ž	1.356			
43	C79	X	0	1.356	0	%100
44	C79	Z	2.307	0	0	%100
45	M76	X		2.307	0	%100
46	M76	Z	0	0	0	%100
47	M77	X	1.835	1.835	0	%100
			0	0	0	%100
48	M77	Z	.063	.063	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	2.418	2.418	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	2.418	2.418	0	%100
53	MP1C	X	0	0	0	%100
54	MP1C	Z	2.418	2.418	0	%100
55	MP2A	X	0	0	0	%100
56	MP2A	Z	2.418	2.418	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	2.418	2.418	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	2.418	2.418	0	%100
61	MP3A	<u>X</u>		0	0	%100
62	MP3A	Z	2.418	2.418	0	%100
63	MP3B	X	0	0	0	%100
64	MP3B	Z	2.418	2.418	0	%100
65	MP3C	X	0	0	0	%100
66	MP3C	Z	2.418	2.418	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	2.418	2.418	0	%100
69	MP4B	X	0	0	0	%100
70	MP4B	Z	2.418	2.418	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	2.418	2.418	0	%100
73	MP5A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude(lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
74	MP5A	7	2.681	2.681	0	%100
75	MP5B	X	0	0	0	%100
76	MP5B	7	2.681	2.681	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	7	2.681	2.681	0	%100
79	M82	X	0	0	0	%100
80	M82	7	.009	.009	0	%100
81	M83	X	0	0	0	%100
82	M83	7	2.052	2.052	0	%100
83	M84	X	0	0	0	%100
84	M84	7	1.76	1.76	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	A1	X	252	252	0	%100
2	A1	Z	.436	.436	0	%100
3	A2	X	252	252	0	%100
4	A2	Z	.436	.436	0	%100
5	A5	X	-1		0	%100
6	A5	Z	1.731	1.731	0	%100
7	A6	X	-1.351	-1.351	00	%100
8	A6	Z	2.34	2.34	0	%100
9	A7	X	907	907	0	%100
10	A7	Z	1.57	1.57	0	%100
11	A8	X	907	907	0	%100
12	A8	Z	1.57	1.57	0	%100
13	B26	X	-1.008	-1.008	0	%100
14	B26	Z	1.745	1.745	0	%100
15	B27	X	-1.008	-1.008	0	%100
16	B27	Z	1.745	1.745	0	%100
17	B30	X	-1	-1	0	%100
18	B30	Z	1.731	1.731	0	%100
19	B31	X	-1.351	-1.351	0	%100
20	B31	Z	2.34	2.34	0	%100
21	B32	X	0	0	00	%100
22	B32	Z	0	0	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	0	0	0	%100
25	B80	X	278	278	0	%100
26	B80	Z	.481	.481	0	%100
27	B81	X	-1.201	-1.201	0	%100
28	B81	Z	2.08	2.08	0	%100
29	C51	X	416	416	0	%100
30	C51	Z	.721	.721	0	%100
31	C52	X	416	416	0	%100
32	C52	Z	.721	.721	0	%100
33	C55	X	-1	-1	0	%100
34	C55	Ž	1.731	1.731	0	%100
35	C56	X	-1.351	-1.351	0	%100
36	C56	Z	2.34	2.34	0	%100
37	C57	X	-,709	709	0	%100
38	C57	Z	1.229	1.229	0	%100
	C58	X	=.709	709	0	%100
39	C58	Z	1.229	1.229	0	%100
40	C78	X	-1.16	-1.16	0	%100
41 42	C78	Ž	2.009	2.009	Ö	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
43	C79	X	66	66	0	%100
44	C79	Z	1.143	1.143	0	%100
45	M76	X	334	334	0	%100
46	M76	Z	.578	.578	0	%100
47	M77	X	407	407	0	%100
48	M77	Z	.705	.705	0	%100
49	MP1A	X	-1,209	-1.209	0	%100
50	MP1A	Z	2.094	2.094	0	%100
51	MP1B	X	-1.209	-1,209	0	%100
52	MP1B	Z	2.094	2.094	0	%100
53	MP1C	X	-1.209	-1.209	0	%100
54	MP1C	Z	2.094	2.094	0	%100
55	MP2A	X	-1.209	-1.209	0	%100
56	MP2A	Z	2.094	2.094	0	%100
57	MP2B	X	-1.209	-1.209	0	%100
58	MP2B	Z	2.094	2.094	Ŏ	%100
59	MP2C	X	-1.209	-1.209	0	%100
60	MP2C	Z	2.094	2.094	Ö	%100
61	MP3A	X	-1.209	-1.209	Ō	%100
62	MP3A	Z	2.094	2.094	0	%100
63	MP3B	X	-1.209	-1.209	0	%100
64	MP3B	Z	2.094	2.094	Ŏ	%100
65	MP3C	X	-1.209	-1.209	Ö	%100
66	MP3C	Z	2.094	2.094	ŏ	%100
67	MP4A	X	-1.209	-1.209	Ö	%100
68	MP4A	Z	2.094	2.094	Ŏ	%100
69	MP4B	X	-1.209	-1.209	Ö	%100
70	MP4B	Z	2.094	2.094	Ö	%100
71	MP4C	X	-1.209	-1.209	0	%100
72	MP4C	Z	2.094	2.094	ő	%100
73	MP5A	X	-1.34	-1.34	0	%100 %100
74	MP5A	Z	2.321	2.321	0	%100
75	MP5B	X	-1.34	-1.34	Ö	%100
76	MP5B	Z	2.321	2.321	0	%100
77	MP5C	X	-1.34	-1.34	0	%100 %100
78	MP5C	Z	2.321	2.321	Ö	%100 %100
79	M82	X	368	368	0	%100
80	M82	Ž	.638	.638	0	%100 %100
81	M83	X	-1.19	-1.19	0	%100 %100
82	M83	Z	2.062	2.062	0	%100 %100
83	M84	X	305	305	0	%100 %100
84	M84	Z	.528	.528	0	%100 %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	A1	X	-1.309	-1.309	0	%100
2	A1	Z	.756	.756	0	%100
3	A2	X	-1.309	-1.309	0	%100
4	A2	Z	.756	.756	0	%100
5	A5	X	-1.731	-1.731	0	%100
6	A5	Z	1	1	Ō	%100
7	A6	X	-2.34	-2.34	0	%100
8	A6	Z	1.351	1,351	0	%100
9	A7	X	523	523	0	%100
10	A7	Z	.302	.302	Ô	%100
11	A8	X	523	523	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft.F.		End Location[ft,%]
12	A8	Z	.302	.302	0	%100 %100
13	B26	X	-1.309	-1.309	0	%100
14	B26	Z	.756	.756	0	
15	B27	X	-1.309	-1.309	0	%100
16	B27	Z	.756	.756	0	%100
17	B30	X	-1.731	-1.731	0	%100
18	B30	Z	1	1	0	%100
19	B31	X	-2.34	-2.34	0	%100
20	B31	Z	1.351	1.351	0	%100
21	B32	X	523	523	0	%100
22	B32	Z	.302	.302	.0	%100
23	B33	X	523	523	0	%100
24	B33	Z	.302	.302	0	%100
25	B80	X	-1.521	-1.521	0	%100
26	B80	Z	.878	.878	. 0	%100
27	B81	X	-1.431	-1.431	0	%100
28	B81	Z	.826	.826	0	%100
29	C51	X	053	053	0	%100
30	C51	Z	.03	.03	0	%100
31	C52	X	053	053	0	%100
32	C52	Z	.03	.03	0	%100
33	C55	X	-1.731	-1.731	0	%100
34	C55	Z	1	11	0	%100
35	C56	X	-2.34	-2.34	0	%100
36	C56	Z	1.351	1.351	0	%100
37	C57	X	-2.031	-2.031	0	%100
38	C57	Z	1.172	1.172	0	%100
39	C58	X	-2.031	-2.031	0	%100
40	C58	Z	1.172	1.172	0	%100
41	C78	X	-1.887	-1.887	0	%100
42	C78	Z	1.09	1.09	0	%100
43	C79	X	192	192	0	%100
44	C79	Z	.111	.111	0	%100
45	M76	X	071	071	0	%100
46	M76	Z	.041	.041	0	%100
47	M77	X	-1.717	-1.717	0	%100
48	M77	Z	.991	.991	0	%100
49	MP1A	X	-2.094	-2.094	0	%100
50	MP1A	Z	1,209	1.209	0	%100
51	MP1B	X	-2.094	-2.094	0	%100
52	MP1B	Z	1.209	1.209	0	%100
53	MP1C	X	-2.094	-2.094	0	%100
	MP1C	Z	1.209	1.209	0	%100
54	MP2A	X	-2.094	-2.094	0	%100
55		Z	1.209	1.209	0	%100
56	MP2A	X	-2.094	-2.094	0	%100
57	MP2B	Z	1.209	1.209	0	%100
58	MP2B	X	-2.094	-2.094	0	%100
59	MP2C	Z	1.209	1.209	Ō	%100
60	MP2C	X	-2.094	-2.094	0	%100
61	MP3A	Z	1.209	1.209	0	%100
62	MP3A		-2.094	-2.094	0	%100
63	MP3B	X	1.209	1.209	0	%100
64	MP3B	Z		-2.094	0	%100
65	MP3C	X	-2.094	1.209	0	%100 %100
66	MP3C	Z	1.209	-2.094	0	%100 %100
67	MP4A	X	-2.094		0	%100
68	MP4A	Z	1.209	1.209	<u> </u>	70100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
69	MP4B	X	-2.094	-2.094	0	%100
70	MP4B	Z	1.209	1.209	0	%100
71	MP4C	X	-2.094	-2.094	0	%100
72	MP4C	Z	1.209	1.209	0	%100
73	MP5A	X	-2.321	-2.321	0	%100
74	MP5A	Z	1.34	1.34	0	%100
75	MP5B	X	-2.321	-2.321	0	%100
76	MP5B	Z	1.34	1.34	0	%100
77	MP5C	X	-2.321	-2.321	0	%100
78	MP5C	Z	1.34	1.34	0	%100
79	M82	X	-1.677	-1.677	0	%100
80	M82	Z	.968	.968	0	%100
81	M83	X	-1.331	-1.331	0	%100
82	M83	Z	.769	.769	0	%100
83	M84	X	000589	000589	0	%100
84	M84	Z	.00034	.00034	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	A1	X	-2.015	-2.015	0	%100
2	A1	Z	0	0	0	%100
3	A2	X	-2.015	-2.015	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	-1.999	-1.999	0	%100
6	A5	Z	0	0	0	%100
7	A6	X	-2.702	-2.702	0	%100
8	A6	Z	0	0	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	0	0	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	0	0	0	%100
13	B26	X	504	504	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	504	504	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	-1.999	-1.999	0	%100
18	B30	Z	0	0	0	%100
19	B31	X	-2.702	-2.702	0	%100
20	B31	Z	0	0	0	%100
21	B32	X	-1.813	-1.813	0	%100
22	B32	Z	0	0	0	%100
23	B33	X	-1.813	-1.813	0	%100
24	B33	Z	0	0	0	%100
25	B80	X	-2.416	-2.416	0	%100
26	B80	Z	0	0	0	%100
27	B81	X	483	483	0	%100
28	B81	Z	0	0	0	%100
29	C51	X	236	236	0	%100
30	C51	Z	0	0	0	%100
31	C52	X	236	236	0	%100
32	C52	Z	0	0	0	%100
33	C55	X	-1.999	-1.999	Ö	%100
34	C55	Z	0	0	0	%100
35	C56	X	-2.702	-2.702	0	%100
36	C56	Z	0	0	ŏ	%100
37	C57	X	-2.135	-2.135	0	%100

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

ii Ciii D	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
38	C57	Z	0	0	0	%100
39	C58	X	-2.135	-2.135	0	%100
40	C58	Z	0	0	0	%100
41	C78	X	-1.075	-1.075	0	%100
42	C78	Z	0	0	0	%100
43	C79	X	111	111	0	%100
44	C79	Z	0	0	0	%100
45	M76	X	665	665	0	%100
46	M76	Z	0	0	0	%100
47	M77	X	-2.402	-2.402	0	%100
	M77	Z	0	0	0	%100
48	MP1A	X	-2.418	-2.418	0	%100
49	MP1A	Ž	0	0	0	%100
50		X	-2.418	-2.418	0	%100
51	MP1B	Z	0	0	0	%100
52	MP1B	X	-2,418	-2.418	0	%100
53	MP1C	Z	0	0	0	%100
54	MP1C	X	-2.418	-2.418	0	%100
55	MP2A	Z	0	0	0	%100
56	MP2A	X	-2.418	-2.418	0	%100
57	MP2B	Z	0	0	0	%100
58	MP2B	X	-2.418	-2.418	0	%100
59	MP2C	Z	0	0	0	%100
60	MP2C	X	-2.418	-2.418	0	%100
61	MP3A	Z	0	0	0	%100
62	MP3A	X	-2.418	-2.418	0	%100
63	MP3B	Z	0	0	0	%100
64	MP3B	X	-2.418	-2.418	0	%100
65	MP3C	Z	0	0	Ō	%100
66	MP3C	X	-2.418	-2.418	0	%100
67	MP4A	Z	0	0	0	%100
68	MP4A		-2.418	-2.418	0	%100
69	MP4B	X	-2.418	0	Ö	%100
70	MP4B	Z	-2.418	-2.418	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	-2.681	-2.681	0	%100
73	MP5A	X	-2.001	-2.001	Ö	%100
74	MP5A	Z	-2.681	-2.681	Ö	%100
75	MP5B	X	-2.681	-2.001	0	%100
76	MP5B	Z		-2.681	0	%100
77	MP5C	X	-2.681	-2.061	0	%100
78	MP5C	Z	0	-2.409	0	%100
79	M82	X	-2.409	-2.409	0	%100
80	M82	Z	0	365	0	%100
81	M83	X	365	365	0	%100
82	M83	Z	0	541	0	%100
83	M84	X	541		0	%100
84	M84	Z	0	0	U	70100

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,%]
4	A 1	Y	-1.309	-1.309	0	%100
1	Al	7	756	756	0	%100
2	Ai	- Z	-1.309	-1.309	0	%100
3	A2	X		756	0	%100
4	A2	4	756			%100
5	A5	X	-1.731	-1.731	0	
6	A5	Z	-1	-1	U	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
7	A6	X	-2.34	-2.34	0	%100
8	A6	Z	-1.351	-1.351	0	%100
9	A7	X	523	523	0	%100
10	A7	Z	302	302	0	%100
11	A8	X	523	523	0	%100
12	A8	Z	302	302	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	-1.731	-1.731	0	%100
18	B30	Z	-1	-1	0	%100
19	B31	X	-2.34	-2.34	0	%100
20	B31	Z	-1.351	-1.351	0	%100
21	B32	X	-2.094	-2.094	0	%100 %100
22	B32	Z	-1.209	-1.209	Ö	%100
23	B33	X	-2.094	-2.094	0	%100
24	B33	Z	-1.209	-1.209	0	%100 %100
25	B80	X	-1.624	-1.624	0	%100 %100
26	B80	Z	938	938	0	%100 %100
27	B81	X	055	055	0	%100 %100
28	B81	Z	032	032	0	%100
29	C51	X	-1.024	-1.024	0	
30	C51	Z	591	591	0	%100
31	C52	X	-1.024	-1.024		%100
32	C52	Z	591		0	%100
33	C55	X		591	0	%100
34	C55	Z	-1.731	-1.731	0	%100
35	C56	X	-1	-1	0	%100
36	C56	Z	-2.34	-2.34	0	%100
37	C57		-1.351	-1.351	0	%100
38	C57	X	865	865	0	%100
39	C58	Z	499	499	0	%100
40	C58	X	865	865	0	%100
41		Z	499	499	0	%100
42	C78	X	096	096	0	%100
	C78	Z	055	055	0	%100
43	C79	X	951	951	0	%100
44	C79	Z	549	549	0	%100
45	M76	X	-1.587	-1.587	0	<u>%100</u>
46	M76	Z	916	916	0	%100
47	M77	X	-1.431	-1.431	0	%100
48	M77	Z	826	826	0	%100
49	MP1A	X	-2.094	-2.094	.0	%100
50	MP1A	Z	-1.209	-1.209	0	%100
51	MP1B	X	-2.094	-2.094	0	%100
52	MP1B	Z	-1.209	-1.209	0	%100
53	MP1C	X	-2.094	-2.094	0	%100
54	MP1C	Z	-1.209	-1.209	0	%100
55	MP2A	X	-2.094	-2.094	0	%100
56	MP2A	Z	-1.209	-1.209	0	%100
57	MP2B	X	-2.094	-2.094	0	%100
58	MP2B	Z	-1.209	-1.209	. 0	%100
59	MP2C	X	-2.094	-2.094	0	%100
60	MP2C	Z	-1.209	-1.209	Ö	%100
61	MP3A	X	-2.094	-2.094	0	%100 %100
62	MP3A	Z	-1.209	-1.209	0	%100 %100
63	MP3B	X	-2.094	1.200	U	/0 1 0 0



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

	er Distributou = s	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
- 7 1	Member Label	7	-1.209	-1.209	0	%100
64	MP3B		-2.094	-2.094	0	%100
65	MP3C	<u>X</u>		-1.209	0	%100
66	MP3C	Z	-1.209	-2.094	0	%100
67	MP4A	X	-2.094		0	%100
68	MP4A	Z	-1.209	-1.209	0	%100
69	MP4B	X	-2.094	-2.094		%100
70	MP4B	Z	-1.209	-1.209	0	%100
71	MP4C	X	-2.094	-2.094	0	
72	MP4C	Z	-1.209	-1.209	0	%100
	MP5A	X	-2.321	-2.321	0	%100
73	MP5A	Z	-1.34	-1.34	0	%100
74		X	-2.321	-2.321	0	%100
75	MP5B	7	-1.34	-1.34	0	%100
76	MP5B		-2.321	-2.321	0	%100
77	MP5C	X	-1.34	-1.34	0	%100
78	MP5C	Z		-1.456	Ō	%100
79	M82	X	-1.456	841	0	%100
80	M82	Z	841		0	%100
81	M83	X	032	032	0	%100
82	M83	Z	019	019		%100 %100
83	M84	X	-1.465	-1.465	0	
84	M84	Z	846	846	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%
1	A1	X	252	252	0	%100
2	A1	Z	436	436	0	%100
	A2	X	252	252	0	%100
3	A2 A2	Z	436	436	0	%100
4		X	-1	-1	0	%100
5	A5	Z	-1.731	-1.731	0	%100
6	A5	X	-1.351	-1.351	0	%100
7	A6	Z	-2.34	-2.34	0	%100
8	A6	- X	907	907	Ö	%100
9	A7		-1.57	-1.57	0	%100
10	A7	Z	907	907	0	%100
11	A8	X		-1.57	0	%100
12	A8	Z	-1.57	252	o o	%100
13	B26	X	252	436	Ö	%100
14	B26	Z	436	252	ő	%100
15	B27	X	252	436	Ö	%100
16	B27	Z	436	-,430 -1	0	%100
17	B30	X	<u> </u>	The second secon	Ö	%100
18	B30	Z	-1.731	-1.731	0	%100
19	B31	X	-1.351	-1.351	0	%100
20	B31	Z	-2.34	-2.34		%100
21	B32	X	907	-,907	0	%100
22	B32	Z	-1.57	-1.57	0	%100 %100
23	B33	X	907	907	0	
24	B33	Z	-1.57	-1.57	0	%100
25	B80	X	337	337	0	%100
26	B80	Z	584	584	0	%100
27	B81	X	407	407	0	%100
28	B81	Z	705	705	0	%100
	C51	X	977	977	0	%100
29	C51	Ž	-1.692	-1.692	0	%100
30	C52	X	977	977	0	%100
31	C52	7	-1.692	-1.692	0	%100
32	U3Z					



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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,%]
33	C55	X		-1	0	%100
34	C55	Z	-1.731	-1.731	0	%100
35	C56	X	-1.351	-1.351	0	%100
36	C56	Z	-2.34	-2.34	0	%100
37	C57	X	036	036	0	%100
38	C57	Z	063	063	0	%100
39	C58	X	036	036	0	%100
40	C58	Z	063	063	0	%100
41	C78	X	126	126	0	%100
42	C78	Z	218	218	0	%100
43	C79	X	-1.098	-1.098	0	%100
44	C79	Z	-1.902	-1.902	Ŏ	%100
45	M76	X	-1.209	-1.209	0	%100
46	M76	Z	-2.094	-2.094	0	%100
47	M77	X	241	241	0	%100
48	M77	Z	418	418	0	%100
49	MP1A	X	-1.209	-1.209	Ŏ	%100
50	MP1A	Z	-2.094	-2.094	Ö	%100
51	MP1B	X	-1.209	-1.209	0	%100
52	MP1B	Z	-2.094	-2.094	ŏ	%100
53	MP1C	X	-1.209	-1.209	Ŏ	%100
54	MP1C	Z	-2.094	-2.094	0	%100
55	MP2A	X	-1.209	-1.209	0	%100
56	MP2A	Z	-2.094	-2.094	0	%100 %100
57	MP2B	X	-1.209	-1.209	0	%100 %100
58	MP2B	Z	-2.094	-2.094	Ö	%100 %100
59	MP2C	X	-1.209	-1.209	0	%100 %100
60	MP2C	Z	-2.094	-2.094	0	%100
61	MP3A	X	-1.209	-1.209	0	%100 %100
62	MP3A	Z	-2.094	-2.094	0	%100 %100
63	MP3B	X	-1.209	-1.209	0	%100 %100
64	MP3B	Z	-2.094	-2.094	0	%100
65	MP3C	X	-1.209	-1.209	Ö	%100
66	MP3C	Z	-2.094	-2.094	0	%100
67	MP4A	X	-1.209	-1.209	0	%100
68	MP4A	Z	-2.094	-2.094	0	%100
69	MP4B	X	-1.209	-1.209	0	%100
70	MP4B	Z	-2.094	-2.094	0	%100
71	MP4C	X	-1.209	-1.209	0	%100
72	MP4C	Z	-2.094	-2.094	Ŏ	%100
73	MP5A	X	-1.34	-1.34	0	%100
74	MP5A	Z	-2.321	-2.321	Ö	%100
75	MP5B	X	-1.34	-1.34	Ö	%100
76	MP5B	Z	-2.321	-2.321	O I	%100
77	MP5C	X	-1.34	-1.34	0	%100 %100
78	MP5C	Z	-2.321	-2.321	ŏ	%100 %100
79	M82	X	241	241	ő	%100 %100
80	M82	Z	417	417	Ö	%100 %100
81	M83	X	44	44	0	%100
82	M83	Z	763	763	ő	%100 %100
83	M84	X	-1.15	-1.15	0	%100 %100
84	M84	Z	-1.992	-1.992	Ö	%100 %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	A1	X	0	0	0	%100



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

Wichia	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%] %100
2	A1	Z	0	0	0	%100
3	A2	X	0	0	0	%100
4	A2	Z	0	0	0	%100 %100
5	A5	X	0	0	0	%100
6	A5	Z	367	367	0	%100
7	A6	X	0	0	0	%100
8	A6	Z	552	552	0	%100
9	A7	X	0	0	0	%100 %100
10	A7	Z	449	449		%100
11	A8	X	0	0	0	%100
12	A8	Z	449	449	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	319	319	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	319	319	0	
17	B30	X	0	0	0	%100
18	B30	Z	367	367	0	%100
19	B31	X	0	00	0	%100
20	B31	Z	552	552	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	112	112	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	112	-,112	0	%100
25	B80	X	0	0	0	%100
26	B80	Z	003	003	0	%100
27	B81	X	0	0	0	%100
28	B81	Z	369	369	0	%100
29	C51	X	0	0	0	%100
30	C51	Z	376	376	0	%100
31	C52	X	0	0	0	%100
32	C52	Z	376	376	0	%100
33	C55	X	0	0	0	%100
34	C55	Z	367	367	0	%100
35	C56	X	0	0	0	%100
	C56	Z	552	552	0	%100
36	C57	X	0	0	0	%100
37	C57	Z	053	053	0	%100
38	C58	X	0	0	0	%100
39	C58	Z	053	053	0	%100
40	C78	X	0	0	0	%100
41		Z	252	252	0	%100
42	C78	X	0	0	0	%100
43	C79	Z	429	429	0	%100
44	C79	X	0	0	0	%100
45	M76	Z	341	341	0	%100
46	M76	X	0	0	0	%100
47	M77		012	012	0	%100
48	M77	Z	012	0	0	%100
49	MP1A	X	449	449	0	%100
50	MP1A	Z	-,449	0	Ö	%100
51	MP1B	X	449	449	0	%100
52	MP1B	Z	449	0	0	%100
53	MP1C	X	449	449	0	%100
54	MP1C	Z	449	443	0	%100
55	MP2A	X		449	0	%100
56	MP2A	Z	449	449	0	%100
57	MP2B	X	0	449	0	%100
58	MP2B	Z	449	7.443		Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner

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

	Member Label	Direction	Start Magnitude[]b/ft.	End Magnitude[lb/ft,F	Start Location(ft %)	End Location[ft,%]
59	MP2C	X	0	0	0	%100
60	MP2C	Z	449	449	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	449	449	0	%100
63	MP3B	X	0	0	0	%100
64	MP3B	Z	449	449	Ō	%100
65	MP3C	X	0	0	0	%100
66	MP3C	Z	449	449	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	449	449	0	%100
69	MP4B	X	0	0	0	%100
70	MP4B	Z	449	449	Ő	%100
71	MP4C	X	0	0	Ö	%100
72	MP4C	Z	449	449	Ŏ	%100
73	MP5A	X	0	0	Ö	%100
74	MP5A	Z	544	544	Ŏ	%100
75	MP5B	X	0	0	Ŏ	%100
76	MP5B	Z	544	544	0	%100
77	MP5C	X	0	0	0	%100 %100
78	MP5C	Z	544	544	0	%100
79	M82	X	0	0	0	%100
80	M82	Z	002	002	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	381	381	Ö	%100
83	M84	X	0	0	0	%100 %100
84	M84	Z	323	323	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	A1	X	.053	.053	0	%100
2	A1	Z	092	092	0	%100
3	A2	X	.053	.053	0	%100
4	A2	Z	092	092	Ō	%100
5	A5	X	.184	.184	0	%100
6	A5	Z	318	318	0	%100
7	A6	X	.276	.276	0	%100
8	A6	Z	478	478	Ŏ	%100
9	A7	X	.169	.169	0	%100
10	A7	Z	292	292	Ŏ	%100
11	A8	X	.169	.169	0	%100
12	A8	Z	292	292	ő	%100
13	B26	X	.213	.213	0	%100
14	B26	Z	369	369	Ö	%100
15	B27	X	.213	.213	0	%100
16	B27	Z	369	369	0	%100
17	B30	X	.184	.184	0	%100 %100
18	B30	7	318	318	0	%100 %100
19	B31	X	.276	.276	0	%100 %100
20	B31	Z	478	478	Ö	%100
21	B32	X	0	0	0	%100
22	B32	Z	0	0	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	0	Ö	Ö	%100 %100
25	B80	X	.052	.052	0	%100 %100
26	B80	Z	089	089	Ö	%100
27	B81	X	.223	.223	0	%100



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

	Member Label	Direction	6 : Structure Wr. Start Magnitude[lb/ft	.End Magnitude[lb/ft,F.	Start Location[ft.%]	End Location[ft,%
	B81	Z	387	387	O O	%100
	C51	X	.088	.088	0	%100
	C51	Z	152	152	0	%100
	C52	X	.088	.088	0	%100
	C52	Z	152	152	0	%100
	C55	X	.184	.184	0	%100
		Z	318	318	0	%100
	C55	X	.276	.276	0	%100
	C56	Z	478	478	0	%100
	C56		.132	.132	0	%100
	C57	X		228	0	%100
	C57		228	.132	0	%100
	C58	X	.132	228	0	%100
	C58	Z	228		0	%100
	C78	X	.216	.216	0	%100
	C78	Z	373	373		%100
	C79	X	.123	.123	0	
	C79	Z	212	212	0	%100
	M76	X	.062	.062	0	%100
	M76	Z	107	107	0	%100
	M77	X	.076	.076	0	%100
	M77	Z	131	131	0	%100
	MP1A	X	.225	.225	0	%100
		Z	389	389	0	%100
	MP1A	X	.225	.225	0	%100
	MP1B	Z	389	389	0	%100
	MP1B		.225	.225	0	%100
	MP1C	<u>X</u>	389	389	0	%100
	MP1C	Z		.225	0	%100
	MP2A	X	.225		0	%100
	MP2A	Z	389	389	0	%100
	MP2B	X	.225	.225		%100
	MP2B	Z	389	389	0	%100
	MP2C	X	.225	.225	0	%100 %100
	MP2C	Z	389	389	0	
	MP3A	X	.225	.225	0	%100
	MP3A	Z	389	389	0	%100
	MP3B	X	.225	.225	0	%100
	MP3B	Z	389	389	0	%100
حساليا	MP3C	X	.225	.225	0	%100
		Z	389	389	0	%100
	MP3C	X	.225	.225	0	%100
	MP4A	Z	389	389	0	%100
	MP4A		225	.225	0	%100
	MP4B	X	,	389	0	%100
	MP4B	Z	389	.225	0	%100
	MP4C	X	.225		0	%100
2	MP4C	Z	389	389	0	%100
3	MP5A	X	.272	.272		%100
	MP5A	Z	471	471	0	
5	MP5B	X	.272	.272	0	%100
3	MP5B	Z	471	471	0	%100
7	MP5C	X	.272	.272	0	%100
3	MP5C	Z	471	471	0	%100
		X	.068	.068	0	%100
	M82	Z	119	119	0	%100
	M82		.221	.221	0	%100
	M83	X	383	383	Ō	%100
2	M83	Z	.056	.056	Ö	%100
3	M84	X			Ŏ	%100
1	M84	Z	097	097	0	17



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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,%]
	A1	X	.277	.277	0	%100
2	A1	Z	-,16	16	0	%100
3	A2	X	.277	.277	0	%100
4	A2	Z	-,16	16	0	%100
5	A5	X	.318	.318	0	%100
6	A5	Z	184	184	0	%100
7	A6	X	.478	.478	0	%100
8	A6	Z	276	276	0	%100
9	A7	X	.097	.097	0	%100
10	A7	Z	056	056	0	%100
11	A8	X	.097	.097	0	%100
12	A8	Z	056	056	0	%100
13	B26	X	.277	.277	0	%100
14	B26	Z	16	16	0	%100
15	B27	X	.277	.277	0	%100
16	B27	Z	16	16	0	%100
17	B30	X	.318	.318	0	%100
18	B30	Z	184	184	0	%100
19	B31	X	.478	.478	0	%100
20	B31	Z	276	276	0	%100
21	B32	X	.097	.097	0	%100
22	B32	Z	056	056	0	%100
23	B33	X	.097	.097	0	%100
24	B33	Z	056	056	0	%100
25	B80	X	.283	.283	Ŏ	%100
26	B80	Z	163	163	Ö	%100
27	B81	X	.266	.266	Ö	%100
28	B81	Z	154	154	Ŏ	%100
29	C51	X	.011	.011	o l	%100
30	C51	Z	006	006	0	%100
31	C52	X	.011	.011	Ö	%100 %100
32	C52	Z	006	006	ő	%100
33	C55	X	.318	.318	0	%100
34	C55	Z	184	184	Ö	%100
35	C56	X	.478	.478	Ö	%100
36	C56	Z	276	276	0	%100 %100
37	C57	X	.377	.377	0	%100
38	C57	Z	218	218	0	%100
39	C58	X	.377	.377	0	%100 %100
40	C58	Z	218	218	0	%100
41	C78	X	.351	.351	0	%100
42	C78	Z	203	203	0	
43	C79	X	.036	.036	0	%100 %100
44	C79	Z	021	021	0	%100 %100
45	M76	X	.013	.013	0	
46	M76	Z	008	008	0	%100 %100
47	M77	X	.319	.319		%100
48	M77	Z	184	184	0	%100
49	MP1A	X	.389	.389		%100
50	MP1A	Z	225		0	%100
51	MP1B	X	.389	225	0	%100
52	MP1B	Z	225	.389	0	%100
53	MP1C	X	.389	225	0	%100
54	MP1C	Z		.389	0	%100
55	MP2A	X	225	225	0	%100
56	MP2A MP2A	Z	.389	.389	0	%100
57	MP2B	X	225	225	0	%100
	IVII ZD		.389	.389	0	%100

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

	Member Label	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
58	MP2B	7	225	225	0	%100
59	MP2C	X	.389	.389	0	%100
	MP2C	Z	225	225	0	%100
60	MP3A	X	.389	.389	0	%100
61		7	225	225	0	%100
62	MP3A	X	.389	.389	0	%100
63	MP3B	7	225	225	0	%100
64	MP3B		.389	.389	0	%100
65	MP3C	X	225	225	0	%100
66	MP3C	Z		.389	0	%100
67	MP4A	X	.389	225	0	%100
68	MP4A	Z	225	.389	0	%100
69	MP4B	X	.389		0	%100
70	MP4B	Z	225	225		%100 %100
71	MP4C	X	.389	.389	0	%100
72	MP4C	Z	225	225	0	Account the substance
73	MP5A	X	.471	.471	0	%100
74	MP5A	Z	272	272	0	%100
75	MP5B	X	.471	.471	0	%100
76	MP5B	Z	272	272	0	%100
77	MP5C	X	.471	.471	0	%100
78	MP5C	Z	272	-,272	0	%100
79	M82	X	.312	.312	0	%100
80	M82	7	18	18	0	%100
	M83	X	.247	.247	0	%100
81	M83	Z	143	143	0	%100
82	M84	X	.000108	.000108	0	%100
83	M84	Z	-6.2e-5	-6.2e-5	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	A1	X	.426	.426	0	%100
-	A1	Z	0	0	0	%100
2	A2	X	.426	.426	0	%100
3		Z	0	0	0	%100
4	A2	X	.367	.367	0	%100
5	A5	Ž	0	0	0	%100
6	A5		.552	.552	0	%100
7	A6	X		0	0	%100
8	A6	Z	0	0	0	%100
9	A7	X	0	0	0	%100
10	A7	Z			0	%100
11	8A	X	0	0	0	%100
12	A8	Z	0	0		%100
13	B26	X	.106	.106	0	
14	B26	Z	0	0	0	%100
15	B27	X	.106	.106	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	.367	.367	0	%100
18	B30	Z	0	0	0	%100
19	B31	X	.552	.552	0	%100
20	B31	7	0	0	0	%100
21	B32	X	.337	.337	0	%100
	B32	Z	0	0	0	%100
22		X	.337	.337	-0	%100
23	B33	Ż	0	0	0	%100
24	B33	X	.449	.449	0	%100
25	B80	7	0	0	0	%100
26	B80		<u> </u>			



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Project No. 10207141 5000382880-VZW_MT_LO_H

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

07	Member Label	Direction		End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
27	B81	<u> </u>	.09	.09	00	%100
28	B81	Z	0	0	0	%100
29	C51	X	.05	.05	0	%100
30	C51	Z	0	0	0	%100
31	C52	X	.05	.05	0	%100
32	C52	Z	0	0	0	%100
33	<u>C55</u>	X	.367	.367	0	%100
34	C55	Z	0	0	0	%100
35	C56	X	.552	.552	0	%100
36	C56	Z	0	0	0	%100
37	C57	X	.397	.397	0	%100
38	C57	Z	0	0	0	%100
39	C58	X	.397	.397	0	%100
40	C58	Z	0	0	0	%100
41	C78	X	.2	.2	0	%100
42	C78	Z	0	0	0	%100
43	C79	X	.021	.021	0	%100
44	C79	Z	0	0	0	%100
45	M76	X	.124	.124	0	%100
46	M76	Z	0	0	0	%100 %100
47	M77	X	.446	.446	0	%100
48	M77	Z	0	0	Ö	%100
49	MP1A	X	.449	.449	0	%100
50	MP1A	Z	0	0	Ö	%100
51	MP1B	X	.449	.449	0	%100
52	MP1B	Z	0	0	0	%100
53	MP1C	X	.449	.449	0	%100 %100
54	MP1C	Ž	0	0	0	%100 %100
55	MP2A	X	.449	.449	0	%100 %100
56	MP2A	Z	0	0	0	%100 %100
57	MP2B	X	.449	.449	0	
58	MP2B	Z	0	0	0	%100
59	MP2C	X	.449	449		%100
60	MP2C	Z	0	0	0	%100
61	MP3A	X	.449	.449		%100
62	MP3A	Z	0	.449	0	%100
63	MP3B	X	.449			%100
64	MP3B	Z	0	.449	0	%100
65	MP3C	X		0	0	%100
66	MP3C	Ž	.449	.449	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	.449	.449	0	%100
69	MP4B		0	0	0	%100
70	MP4B	X	.449	.449	0	%100
71		Z	0	0	0	%100
	MP4C	X	.449	.449	0	%100
72	MP4C	Z	0	0	0	%100
73	MP5A	X	.544	.544	0	%100
74	MP5A	Z	0	0	0	%100
75	MP5B	X	.544	.544	0	%100
76	MP5B	Z	0	0	0	%100
77	MP5C	X	.544	.544	0	%100
78	MP5C	Z	0	0	0	%100
79	M82	X	.448	.448	0	%100
80	M82	Z	0	0	0	%100
81	M83	X	.068	.068	0	%100
82	M83	Z	0	0	0	%100
83	M84	X	.099	.099	0	%100



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

	22	Direction	Start Magnitudellh/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
7.	Member Label	Direction	Start Wagnitudenoni	0	0	%100
8/	M84	Z	0	U	U	70100

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

M	ember Label	Direction		End Magnitude[lb/ft,F.	. Start Location[ft,%]	End Location[ft.%
1	A1	X	.277	.277	0	%100
2	A1	Z	.16	.16	0	%100
3	A2	X	277	.277	0	%100
4	A2	Z	.16	.16	0	%100
5	A5	X	.318	.318	0	%100
6	A5	Z	.184	.184	0	%100
7	A6	X	.478	.478	0	%100
8	A6	Z	.276	.276	0	%100
9	A7	X	.097	.097	0	%100
10	A7	Z	.056	.056	0	%100
11	A8	X	.097	.097	0	%100
12	A8	Z	.056	.056	0	%100
	B26	X	0	0	0	%100
13	B26	Ž	0	0	0	%100
14		X	0	0	0	%100
15	B27	Z	0	0	0	%100
16	B27	X	.318	.318	0	%100
17	B30	ż	.184	.184	0	%100
18	B30	X	.478	.478	0	%100
19	B31		.276	.276	0	%100
20	B31	Z	.389	.389	0	%100
21	B32	X	.225	.225	ő	%100
22	B32	Z		.389	0	%100
23	B33	X	.389	.225	Ö	%100
24	B33	Z	.225		0	%100
25	B80	X	.302	.302	0	%100
26	B80	Z	.174	.174	0	%100
27	B81	X	.01	.01	Ö	%100
28	B81	Z	.006	.006		%100
29	C51	X	.216	.216	0	%100
30	C51	Z	.125	.125		%100
31	C52	X	.216	.216	0	
32	C52	Z	.125	.125	0	%100
33	C55	X	.318	.318	0	%100
34	C55	Z	.184	.184	0	%100
35	C56	X	.478	.478	0	%100
36	C56	Z	.276	.276	0	%100
37	C57	X	.161	.161	00	%100
38	C57	Z	.093	.093	0	%100
39	C58	X	.161	.161	0	%100
	C58	Z	.093	.093	0	%100
40	C78	X	.018	.018	0	%100
41		Z	.01	.01	0	%100
42	C78	X	.177	.177	0	%100
43	C79	Z	.102	.102	0	%100
44	C79		.295	.295	0	%100
45	M76	X	.17	.17	Ö	%100
46	M76	Z		.266	Ŏ	%100
47	M77	X	.266	.154	0	%100
48	M77	Z	.154	.389	Ů Ů	%100
49	MP1A	X	.389	.225	0	%100
50	MP1A	Z	.225		0	%100
51	MP1B	X	.389	.389	0	%100 %100
52	MP1B	Z	.225	.225	U	70100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
53	MP1C	X	389	.389	0	%100
54	MP1C	Z	.225	.225	0	%100
55	MP2A	X	.389	.389	0	%100
56	MP2A	Z	.225	.225	0	%100
57	MP2B	X	.389	.389	0	%100
58	MP2B	Z	.225	.225	0	%100
59	MP2C	X	.389	.389	0	%100
60	MP2C	Z	.225	.225	0	%100
61	MP3A	X	.389	.389	0	%100
62	MP3A	Z	.225	.225	0	%100
63	MP3B	X	.389	.389	0	%100
64	MP3B	Z	.225	.225	0	%100
65	MP3C	X	.389	.389	Ö	%100 %100
66	MP3C	Z	.225	.225	ŏ	%100
67	MP4A	X	.389	.389	Ö	%100 %100
68	MP4A	Z	.225	.225	ő	%100 %100
69	MP4B	X	.389	.389	0	%100 %100
70	MP4B	Z	.225	.225	Ŏ	%100
71	MP4C	X	.389	.389	0	%100
72	MP4C	Z	.225	.225	Ö	%100
73	MP5A	X	.471	.471	0	%100 %100
74	MP5A	Z	.272	.272	Ö	%100
75	MP5B	X	.471	.471	0	%100
76	MP5B	Z	.272	.272	0	%100
77	MP5C	X	.471	.471	0	%100 %100
78	MP5C	Z	.272	.272	0	%100 %100
79	M82	X	.271	.271	0	%100
80	M82	Z	.156	.156	0	%100 %100
81	M83	X	.006	.006	0	%100 %100
82	M83	Z	.003	.003	0	%100 %100
83	M84	X	.269	.269	0	%100 %100
84	M84	Z	.155	.155	0	%100 %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	A1	X	.053	.053	0	%100
2	A1	Z	.092	.092	0	%100
3	A2	X	.053	.053	0	%100
4	A2	Z	.092	.092	0	%100
5	A5	X	.184	.184	0	%100
6	A5	Z	.318	.318	0	%100
7	A6	X	.276	.276	0	%100
8	A6	Z	.478	.478	0	%100
9	A7	X	.169	.169	0	%100
10	A7	Z	.292	292	Ö	%100
11	A8	X	.169	.169	0	%100
12	A8	Z	.292	.292	0	%100
13	B26	X	.053	.053	0	%100
14	B26	Z	.092	.092	0	%100
15	B27	X	.053	.053	0	%100
16	B27	Z	.092	.092	0	%100
17	B30	X	.184	.184	0	%100
18	B30	Z	.318	.318	0	%100
19	B31	X	.276	.276	Ō	%100
20	B31	Z	.478	.478	0	%100
21	B32	X	.169	.169	0	%100



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

Me	mber Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
22	B32	Z	.292	.292	0	%100 %100
23	B33	X	.169	.169	0	%100 %100
24	B33	Z	.292	.292	0	%100 %100
25	B80	X	.063	.063	0	
26	B80	Z	.109	.109	0	%100
27	B81	X	.076	.076	0	%100
28	B81	Z	.131	.131	0	%100
29	C51	X	.206	.206	0	%100
30	C51	Z	.358	.358	0	%100
31	C52	X	.206	.206	0	%100
32	C52	Z	.358	.358	0	%100
33	C55	X	.184	.184	0	%100
34	C55	Z	.318	.318	0	%100
35	C56	X	.276	.276	0	%100
36	C56	Z	478	.478	0	%100
37	C57	X	.007	.007	0	%100
38	C57	Z	.012	.012	0	%100
	C58	X	.007	.007	0	%100
39 40	C58	Z	.012	.012	_0	%100
	C78	X	.023	.023	0	%100
41	C78	Z	.04	.04	0	%100
42		X	.204	.204	0	%100
43	C79	Z	,353	.353	0	%100
44	C79	X	.225	.225	0	%100
45	M76	Z	.389	.389	0	%100
46	M76	X	.045	.045	0	%100
47	M77		.078	.078	0	%100
48	M77	Z	.225	.225	0	%100
49	MP1A	<u>X</u>	.389	.389	0	%100
50	MP1A	Z	.225	.225	Ŏ	%100
51	MP1B	X		.389	Ö	%100
52	MP1B	Z	.389	.225	Ö	%100
53	MP1C	X	.225	.389	0	%100
54	MP1C	Z	.389	.225	Ö	%100
55	MP2A	X	.225		Ö	%100
56	MP2A	Z	.389	.389	0	%100
57	MP2B	X	.225	.225	0	%100
58	MP2B	Z	.389	.389	0	%100
59	MP2C	X	.225	.225		%100
60	MP2C	Z	.389	.389	0	%100 %100
61	MP3A	X	.225	.225		%100
62	MP3A	Z	.389	.389	0	%100
63	МР3В	X	.225	.225	0	%100
64	МР3В	Z	.389	.389	0	
65	MP3C	X	.225	.225	0	%100 %100
66	MP3C	Z	.389	.389	0	%100
67	MP4A	X	.225	.225	0	%100
68	MP4A	Z	.389	.389	0	%100
69	MP4B	X	.225	.225	0	%100
70	MP4B	Z	.389	.389	0	%100
71	MP4C	X	.225	.225	0	%100
72	MP4C	Z	.389	.389	0	%100
	MP5A	X	.272	.272	0	%100
73	MP5A	Z	.471	.471	0	%100
74	MP5B	X	.272	.272	0	%100
75		Z	.471	.471	0	%100
76	MP5B	X	.272	.272	0	%100
77	MP5C	Ž	.471	.471	0	%100
78	MP5C		1 777			

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

	Member Label	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F	Start Location(ft %)	End Location[ft,%]
79	M82	X	.045	.045	0	%100
80	M82	Z	.078	.078	Ō	%100
81	M83	X	.082	.082	ň	%100
82	M83	Z	.142	.142	0	%100 %100
83	M84	X	211	211	n	%100
83 84	M84	Z	.365	.365	0	%100 %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	A1	X	0	0	0	%100
2	A1	Z	0	0	0	%100
3	A2	X	0	0	0	%100
4	A2	Z	0	0	- 0	%100
5	A5	X	0	0	0	%100
6	A5	Z	.367	.367	0	%100
7	A6	X	0	0	0	%100
8	A6	Z	.552	.552	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	.449	.449	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	.449	.449	0	%100
13	B26	X	0	0	0	%100 %100
14	B26	Z	.319	.319	Ö	%100 %100
15	B27	X	0	0	0	%100 %100
16	B27	Z	.319	.319	Ö	%100 %100
17	B30	X	0	0	0	%100 %100
18	B30	Z	.367	.367	0	%100
19	B31	X	0	0	0	%100 %100
20	B31	Z	.552	.552	0	%100 %100
21	B32	X	0	0	0	%100
22	B32	Z	.112	.112	0	%100 %100
23	B33	X	0	0	0	%100
24	B33	Z	.112	.112	0	%100 %100
25	B80	X	0	0	0	%100
26	B80	Z	.003	.003	0	%100 %100
27	B81	X	0	0	0	%100
28	B81	Z	.369	.369	0	%100 %100
29	C51	X	0	0	0	%100 %100
30	C51	Z	.376	.376	0	%100
31	C52	X	0	0	0	
32	C52	7	.376	.376	0	%100
33	C55	Z X	0	0	0	%100
34	C55	Z	.367	.367	0	%100
35	C56	X	0	0	0	%100
36	C56	7	.552	.552	0	%100
37	C57	Z X	.552		0	%100
38	C57	Z	.053	.053	0	%100
39	C58	X			0	%100
40	C58	Z	.053	0	0	%100
41	C78	X		.053	0	%100
42	C78	Z	0	0	0	%100
43	C79	X	.252	.252	0	%100
44	C79		0	0	0	%100
45	M76	Z	.429	.429	0	%100
46		X	0	0	0	%100
47	M76 M77	Z	.341	.341	0	%100
4/	1VI /	X	0	0	0	%100



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

N	Member Label	Direction		End Magnitude[lb/ft,F		End Location[ft,%
48	M77	Z	.012	.012	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	.449	.449	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	.449	.449	0	%100
53	MP1C	X	0	0	0	%100
54	MP1C	Z	.449	.449	0	%100
55	MP2A	X	0	0	0	%100
56	MP2A	Z	.449	.449	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	.449	.449	0	%100
	MP2C	<u>X</u>	0	0	0	%100
59	MP2C	Z	.449	.449	0	%100
60	MP3A	X	0	0	0	%100
61		Z	.449	.449	0	%100
62	MP3A	X	0	0	0	%100
63	MP3B	Ž	.449	.449	0	%100
64	MP3B	X	0	0	0	%100
65	MP3C	Ž	.449	.449	0	%100
66	MP3C		0	0	Ō	%100
67	MP4A	Z	.449	.449	0	%100
68	MP4A		0	0	0	%100
69	MP4B	X	.449	.449	0	%100
70	MP4B	Z	.449	0	0	%100
71	MP4C	X	.449	.449	Ö	%100
72	MP4C	Z	.449	0	0	%100
73	MP5A	X	.544	.544	Ō	%100
74	MP5A	Z	.544	.544	Ö	%100
75	MP5B	<u>X</u> _		.544	0	%100
76	MP5B	Z	.544		0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	.544	.544	0	%100
79	M82	X	0	0		%100
80	M82	Z	.002	.002	0	%100 %100
81	M83	X	0	0	0	%100 %100
82	M83	Z	.381	.381	0	%100 %100
83	M84	X	0	0	0	
84	M84	Z	.323	.323	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	A1	X	053	053		%100
-	A1	7	.092	.092	0	%100
2		X	053	053	0	%100
3	A2	7	.092	.092	0	%100
4	A2	- -	184	184	0	%100
5	A5		.318	.318	0	%100
6	A5		276	276	0	%100
7	A6	X 7	.478	.478	0	%100
8	A6		169	169	0	%100
9	A7	<u>X</u>		.292	Ö	%100
10	A7	Z	.292		0	%100
11	A8	X	169	169	0	%100 %100
12	A8	Z	.292	.292		%100
13	B26	X	213	213	0	%100 %100
14	B26	Z	.369	.369	0	
15	B27	X	213	213	0	%100
16	B27	Z	.369	.369	0	%100



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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,%]
17	B30	X	184	184	0	%100
18	B30	Z	.318	.318	0	%100
19	B31	X	276	276	0	%100
20	B31	Z	.478	.478	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	0	0	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	0	ő	0	%100
25	B80	X	052	052	0	%100 %100
26	B80	Z	.089	.089	Ö	%100
27	B81	X	223	223	0	%100
28	B81	Z	.387	.387	0	%100 %100
29	C51	X	088	088	0	%100 %100
30	C51	Z	.152	.152	0	
31	C52	X	088			%100
32	C52	Ž	.152	088 .152	0	%100
33	C55	X	184		0	%100
34	C55	Z		184	0	%100
35	C56	X	.318	.318	0	%100
36	C56		276	276	0	%100
37	C57	Z	.478	.478	0	%100
38		X	132	-,132	0	%100
	C57	Z	.228	.228	0	%100
39	C58	X	132	132	0	%100
40	C58	Z	.228	.228	- 0	%100
41	C78	X	216	216	0	%100
42	C78	Z	.373	.373	0	%100
43	C79	X	123	123	0	%100
44	C79	Z	.212	.212	0	%100
45	M76	X	062	062	0	%100
46	M76	Z	.107	.107	0	%100
47	<u>M77</u>	X	076	076	0	%100
48	M77	Z	.131	.131	0	%100
49	MP1A	X	225	225	0	%100
50	MP1A	Z	.389	.389	0	%100
51	MP1B	X	225	225	0	%100
52	MP1B	Z	.389	.389	0	%100
53	MP1C	X	225	225	0	%100
54	MP1C	Z	.389	.389	0	%100
55	MP2A	X	225	225	0	%100
56	MP2A	Z	.389	.389	0	%100
57	MP2B	X	225	225	0	%100
58	MP2B	Z	.389	.389	0	%100
59	MP2C	X	225	225	0	%100
60	MP2C	Z	.389	.389	0	%100
61	MP3A	X	225	225	0	%100
62	MP3A	Z	.389	.389	Ö	%100
63	MP3B	X	225	225	0	%100
64	MP3B	Z	.389	.389	0	%100 %100
65	MP3C	X	225	225	0	%100 %100
66	MP3C	Z	.389	.389	Ö	%100 %100
67	MP4A	X	225	225	0	%100 %100
68	MP4A	Z	.389	.389	0	%100 %100
69	MP4B	X	225	225	0	%100 %100
70	MP4B	Z	.389	.389	0	%100 %100
71	MP4C	X	225	225	0	%100 %100
72	MP4C	Z	.389	.389	0	%100 %100
73	MP5A	X	272	272	0	%100 %100
	Marie		212	414	U	76 JUU

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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,%]
74	MP5A	7	.471	.471	0	%100
74		V	272	272	0	%100
75	MP5B	7	.471	.471	Ō	%100
76	MP5B	Z V	272	272	0	%100
77	MP5C			.471	0	%100
78	MP5C		.471		0	%100
79	M82	X	068	068	0	%100
80	M82	Z	.119	.119	0	%100
81	M83	X	221	221	<u> </u>	
82	M83	Z	.383	.383	0	%100
83	M84	X	056	056	0	%100
84	M84	Z	.097	.097	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	A1	X	277	277	0	%100
2	A1	Z	.16	.16	0	%100
3	A2	X	277	277	0	%100
4	A2	Z	.16	.16	0	%100
5	A5	X	318	318	00	%100
6	A5	Z	.184	.184	0	%100
7	A6	X	478	478	0	%100
8	A6	Z	.276	.276	0	%100
9	A7	X	097	097	0	%100
10	A7	Z	.056	.056	0	%100
11	A8	X	097	097	0	%100
12	A8	Z	.056	.056	0	%100
13	B26	X	277	277	0	%100
14	B26	Ž	.16	.16	0	%100
15	B27	X	-,277	277	0	%100
16	B27	Z	.16	.16	0	%100
17	B30	X	318	318	0	%100
18	B30	Z	.184	.184	0	%100
19	B31	X	478	478	0	%100
	B31	Z	.276	.276	0	%100
20	B32	X	097	097	0	%100
21	B32	Z	.056	.056	0	%100
22	B33	X	097	097	0	%100
23	B33	Z	.056	.056	0	%100
24		X	283	283	0	%100
25	B80	Ž	.163	.163	0	%100
26	B80	X	266	266	0	%100
27	B81	Z	.154	.154	0	%100
28	B81	X	011	011	0	%100
29	C51	Z	.006	.006	0	%100
30	C51	X	011	011	0	%100
31	C52	Z	.006	.006	0	%100
32	C52		318	318	0	%100
33	C55	Z	.184	.184	0	%100
34	C55		478	478	0	%100
35	C56_	X	.276	.276	Ö	%100
36	C56	Z	377	377	0	%100
37	C57	X		.218	0	%100
38	C57	Z	.218	377	0	-%100 -
39	C58	X	377	.218	0	%100
40	C58	Z	.218		0	%100
41	C78	X	351	351	0	%100
42	C78	Z	.203	.203	U	70100

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

Member Label	Direction	Start Magnitude[lb/ft		. Start Location[ft,%]	End Location[ft,%]
<u>C79</u>	X		036	0	%100
					%100
				0	%100
				0	%100
	X		319	0	%100
			.184	0	%100
	X	389	389	0	%100
	Z	.225	.225	0	%100
	X	389	389	0	%100
MP1B	Z	.225	.225	0	%100
	X	389		0	%100
MP1C	Z				%100
MP2A	X				%100
MP2A	Z	.225			%100
MP2B	X				%100
MP2B					%100
MP2C					%100
MP2C					%100
MP3A					%100
MP3A					%100
					%100
					%100 %100
		- 389			%100
					%100
					%100
MP4A					%100 %100
					%100 %100
					%100
					%100 %100
					%100 %100
					%100 %100
		272			%100 %100
					%100 %100
		272			%100
					%100
			272		%100 %100
					%100 %100
					%100
		1/2	142		%100
					%100
M84	Z	000108 6.2e-5	000108 6.2e-5	0	%100 %100
	C79 C79 C79 M76 M76 M77 M77 M77 MP1A MP1A MP1B MP1B MP1C MP1C MP1C MP2A MP2A MP2B MP2C MP2A MP2B MP2B MP2C MP3A MP3B MP3C MP3A MP3B MP3B MP3B MP3B MP3C MP4A MP4B MP4C MP4C MP4C MP5A MP4B MP4B MP4B MP4B MP4C MP5A MP5B MP5B MP5C MP5C M82 M83 M83 M84	C79 X C79 Z M76 X M77 X M77 X M77 Z MP1A X MP1A X MP1A X MP1B X MP1B X MP1C X MP1C X MP2A X MP2A X MP2B X MP2B X MP2B X MP2C X MP3A X MP3B X MP3B X MP3B X MP3B X MP3C X MP4A X MP4A X MP4B X MP4B X MP4C X MP5A X MP5B X MP5B X MP5B X	C79 X 036 C79 Z .021 M76 X 013 M76 Z .008 M77 X 319 M77 X 319 M77 Z .184 MP1A X 389 MP1A Z .225 MP1B X 389 MP1B Z .225 MP1C X 389 MP1C Z .225 MP2A X 389 MP2A Z .225 MP2B X 389 MP2B X 389 MP2B X 389 MP2C X 389 MP3A X 389 MP3B X 389 MP3B X 389 MP3B X 389 MP3B X 389 MP4A X 38	C79 X 036 036 C79 Z .021 .021 M76 X 013 013 M76 Z .008 .008 M77 X 319 319 M77 Z .184 .184 MP1A X 389 389 MP1A X 389 389 MP1B X 389 389 MP1B X 389 389 MP1C X 389 389 MP1C X 389 389 MP2A X 389 389 MP2B X 389 389 MP2B X 389 389 MP2B X 389 389 MP2B X 389 389 MP2C X 389 389 MP3A X 389 389 MP3A <td< td=""><td>C79 X 036 036 0 C79 Z .021 .021 0 M76 X 013 013 0 M76 Z .0008 .008 0 M77 X 319 319 0 M77 X 319 319 0 MP1A X 389 389 0 MP1A X 389 389 0 MP1B X 389 389 0 MP1B X 389 389 0 MP1C X 389 389 0 MP1C X 389 389 0 MP2A X 389 389 0 MP2A X 389 389 0 MP2B X 389 389 0 MP2C X 389 389 0 MP2C Z</td></td<>	C79 X 036 036 0 C79 Z .021 .021 0 M76 X 013 013 0 M76 Z .0008 .008 0 M77 X 319 319 0 M77 X 319 319 0 MP1A X 389 389 0 MP1A X 389 389 0 MP1B X 389 389 0 MP1B X 389 389 0 MP1C X 389 389 0 MP1C X 389 389 0 MP2A X 389 389 0 MP2A X 389 389 0 MP2B X 389 389 0 MP2C X 389 389 0 MP2C Z

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	A1	X	426	426	0	%100
2	A1	Z	0	0	0	%100
3	A2	X	426	426	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	367	367	Ō	%100
6	A5	Z	0	0	0	%100
7	A6	X	552	552	0	%100
8	A6	Z	0	0	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	0	0	Ō	%100
11	A8	X	0	0	Ō	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F		End Location[ft,%
12	A8	Z	0	0	0	%100 %100
13	B26	X	106	106	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	106	106	0	%100 %100
16	B27	Z	0	0		%100
17	B30	X	367	367	0	%100 %100
18	B30	Z	0	0	0	%100 %100
19	B31	X	552	552	0	%100
20	B31	Z	0	0	0	%100 %100
21	B32	X	337	337	0	
22	B32	Z	0	0	0	%100 %100
23	B33	X	337	337	0	%100
24	B33	Z	0	0	0	%100 %100
25	B80	X	449	449	0	
26	B80	Z	0	0	0	%100 %100
27	B81	X	09	09	0	%100 %100
28	B81	Z	0	0	0	
29	C51	X	05	05	0	%100
30	C51	Z	0	0	0	%100 %100
31	C52	X	05	05	0	%100
32	C52	Z	0	0	0	%100
33	C55	X	367	367	0	%100
34	C55	Z	0	0	0	%100
35	C56	X	552	552	0	%100
36	C56	Z	0	0	0	%100
37	C57	X	397	397	0	%100
38	C57	Z	0	0	0	%100
39	C58	XX	397	397	0	%100
40	C58	Z	0	0	0	%100
41	C78	X	2	2	0	%100
42	C78	Z	0	0	0	%100
43	C79	X	021	021	0	%100
44	C79	Z	0	0	0	%100
45	M76	X	124	124	0	%100
46	M76	Z	0	0	0	%100
47	M77	X	446	446	0	%100
48	M77	Z	0	0	0	%100
49	MP1A	X	449	449	0	%100
50	MP1A	Z	0	0	0	%100
51	MP1B	X	449	449	0	%100
52	MP1B	Z	0	0	0	%100
53	MP1C	X	449	449	0	%100
54	MP1C	Z	0	0	0	%100
55	MP2A	X	449	449	0	%100
56	MP2A	Z	0	0	0	%100
57	MP2B	X	449	449	0	%100
58	MP2B	Z	0	0	0	%100
59	MP2C	X	449	449	0	%100
60	MP2C	Z	0	0	0	%100
61	MP3A	X	449	449	0	%100
62	MP3A	Z	0	0	0	%100
63	MP3B	X	449	449	0	%100
64	MP3B	Z	0	0	0	%100
65	MP3C	X	449	449	0	%100
66	MP3C	Z	0	0	0	%100
67	MP4A	X	449	449	0	%100
68	MP4A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
69	MP4B	X	449	449	0	%100
70	MP4B	Z	0	0	0	%100
71	MP4C	X	449	- 449	0	%100
72	MP4C	Z	0	0	0	%100
73	MP5A	X	544	544	0	%100
74	MP5A	Z	0	0	0	%100
75	MP5B	X	544	544	0	%100
76	MP5B	Z	0	0	0	%100
77	MP5C	X	544	544	0	%100
78	MP5C	Z	0	0	0	%100
79	M82	X	448	448	0	%100
80	M82	Z	0	0	0	%100
81	M83	X	068	068	0	%100
82	M83	Z	0	0	0	%100
83	M84	X	099	099	0	%100
84	M84	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	A1	X	277	277	0	%100
2	A1	Z	16	16	0	%100
3	A2	X	277	277	0	%100
4	A2	Z	16	16	0	%100
5	A5	X	318	318	0	%100
6	A5	Z	184	184	0	%100
7	A6	X	478	478	0	%100
8	A6	Z	276	276	0	%100
9	A7	X	097	097	0	%100
10	A7	Z	056	056	0	%100
11	A8	X	097	097	0	%100
12	A8	Z	056	056	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	318	318	0	%100
18	B30	Z	184	184	0	%100
19	B31	X	478	478	0	%100
20	B31	Z	276	276	0	%100
21	B32	X	389	389	0	%100
22	B32	Z	225	225	0	%100
23	B33	X	389	389	0	%100
24	B33	Z	225	225	0	%100
25	B80	X	302	302	0	%100
26	B80	Z	174	174	0	%100
27	B81	X	01	01	0	%100
28	B81	Z	006	006	0	%100
29	C51	X	216	216	0	%100
30	C51	Z	125	125	0	%100
31	C52	X	216	216	0	%100
32	C52	Z	125	125	0	%100
33	C55	X	318	318	0	%100
34	C55	Z	184	184	Ö	%100
35	C56	X	478	478	0	%100
36	C56	Z	276	276	0	%100
37	C57	X	161	161	0	%100 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F		End Location[ft,%
38	C57	Z	093	093	0	%100
39	C58	X	161	-,161	0	%100
40	C58	Z	093	093	0	%100
41	C78	X	018	018	0	%100
42	C78	Z	01	01	0	%100
43	C79	X	177	177	0	%100
44	C79	Z	102	102	0	%100
45	M76	X	295	295	0	%100
46	M76	Z	17	17	0	%100
47	M77	X	266	266	0	%100
48	M77	Z	154	154	0	%100
49	MP1A	X	389	389	0	%100
50	MP1A	Z	225	225	0	%100
51	MP1B	X	389	389	0	%100
52	MP1B	Z	225	225	0	%100
53	MP1C	X	389	389	0	%100
54	MP1C	Z	225	225	0	%100
55	MP2A	X	389	389	0	%100
56	MP2A	Z	225	225	0	%100
57	MP2B	X	389	-:389	0	%100
58	MP2B	Z	225	225	0	%100
59	MP2C	X	389	389	0	%100
60	MP2C	Z	225	225	0	%100
61	MP3A	X	389	389	0	%100
62	MP3A	Z	225	225	0	%100
63	MP3B	X	389	389	0	%100
64	MP3B	Z	225	225	0	%100
65	MP3C	X	389	389	0	%100
66	MP3C	Z	225	225	0	%100
67	MP4A	X	389	389	0	%100
68	MP4A	Z	225	225	0	%100
69	MP4B	X	389	389	0	%100
70	MP4B	Z	225	225	0	%100
71	MP4C	X	389	389	0	%100
72	MP4C	Z	225	225	0	%100
73	MP5A	X	471	471	0	%100
74	MP5A	Z	272	272	0	%100
75	MP5B	X	-,471	471	0	%100
76	MP5B	Z	272	272	0	%100
	MP5C	X	471	471	0	%100
77	MP5C	Z	272	272	0	%100
78	M82	X	271	271	0	%100
79		Z	156	156	0	%100
80	M82 M83	X	006	006	0	%100
81		Z	003	003	Ö	%100
82	M83 M84	X	269	269	0	%100
83	M84	7	155	155	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,%]
Δ1	X		053	0	%100
Δ1	7		092	0	%100
Λ2	X		- 053	0	%100
Λ2	7			0	%100
Λ <u>Σ</u>	X			0	%100
AF	7		318	0	%100
	Member Label A1 A1 A2 A2 A2 A5 A5	A1 X A1 Z A2 X A2 Z A5 X	A1 X053 A1 Z092 A2 X053 A2 Z092 A5 X184	A1 X 053 053 A1 Z 092 092 A2 X 053 053 A2 Z 092 092 A5 X 184 184 A6 Z 318 318	A1 X053053 0 A1 Z092092 0 A2 X053053 0 A2 Z092092 0 A5 X184184 0



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
7	A6	X	276	276	0	%100
8	A6	Z	478	478	0	%100
9	A7	X	169	169	0	%100
10	A7	Z	292	292	0	%100
11	A8	X	169	169	0	%100
12	A8	Z	292	292	0	%100
13	B26	X	053	053	0	%100
14	B26	Z	092	092	0	%100
15	B27	X	053	053	0	%100
16	B27	Z	092	092	0	%100 %100
17	B30	X	184	184	0	%100 %100
18	B30	Z	318	318	Ö	%100 %100
19	B31	X	276	276	0	%100 %100
20	B31	Ž	478			
21	B32			478	0	%100
22		X	169	169	0	%100
	B32	Z	292	292	0	%100
23	B33	X	-,169	169	0	%100
24	B33	Z	292	292	0	%100
25	B80	X	063	063	00	%100
26	B80	Z	109	109	0	%100
27	B81	X	076	076	0	%100
28	B81	Z	131	131	0	%100
29	C51	X	206	206	0	%100
30	C51	Z	358	358	0	%100
31	C52	X	206	206	0	%100
32	C52	Z	358	358	0	%100
33	C55	X	184	184	0	%100
34	C55	Z	318	318	0	%100
35	C56	X	276	276	0	%100
36	C56	Z	478	478	0	%100
37	C57	X	007	007	0	%100
38	C57	Z	012	012	0	%100
39	C58	X	007	007	0	%100
40	C58	Z	012	012	Ö	%100 %100
41	C78	X	023	023	0	%100 %100
42	C78	Z	04	04	0	%100 %100
43	C79	X	204	204	0	%100
44	C79	Ž	353		0	%100 %100
45	M76	X	225	353		
46	M76	Ž		225	0	%100
47			389	389	0	%100
48	M77	X	045	045	0	%100
	M77	Z	078	078	0	%100
49	MP1A	X	225	225	0	%100
50	MP1A	Z	389	389	0	%100
51	MP1B	X	225	225	0	%100
52	MP1B	Z	389	389	0	%100
53	MP1C	X	225	225	0	%100
54	MP1C	Z	389	389	0	%100
55	MP2A	X	225	225	0	%100
56	MP2A	Z	389	389	0	%100
57	MP2B	X	225	225	0	%100
58	MP2B	Z	389	389	0	%100
59	MP2C	X	225	225	Ō	%100
60	MP2C	Z	389	389	Ö	%100
61	MP3A	X	225	225	0	%100 %100
62	MP3A	Z	389	389	Ö	%100 %100
63	MP3B	X	225	225	0	%100 %100
00	IVII OU		7.220	225		70100

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

	Member Label	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
64	MP3B	Z	389	389	0	%100
65	MP3C	X	225	225	0	%100
66	MP3C	Z	389	389	0	%100
67	MP4A	X	225	225	0	%100
68	MP4A	Z	389	389	0	%100
69	MP4B	X	225	225	0	%100
70	MP4B	Z	389	389	0	%100
71	MP4C	X	225	225	0	%100
72	MP4C	Z	389	389	0	%100
73	MP5A	X	272	272	0	%100
74	MP5A	Z	471	471	0	%100
75	MP5B	X	272	272	0	%100
76	MP5B	Z	471	471	0	%100
77	MP5C	X	272	272	0	%100
78	MP5C	Z	471	471	0	%100
79	M82	X	045	045	0	%100
80	M82	Z	078	078	0	%100
81	M83	X	082	082	0	%100
82	M83	Z	142	142	0	%100
83	M84	X	211	211	0	%100
84	M84	Z	365	365	0	%100

Member Area Loads

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

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	A5	max		33	921.789	15	761.813	2	405	72	0	75	.312	3
2	710		-126.734	3	283.769	72	-1323.937	8	-1.268	16	0	1	-1.544	33
3	A6	max		3	920.736	16	1232.42	9	403	74	0	75	.323	3
4			-539.901	33	283.88	73	-647.914	3	-1.287	18	0	1	-1.55	33
5	B54	max		11	885.338	17	945.585	12	1.393	24	0	75	094	12
6		min	The second secon	5	275.459	75	-480.244	6	029	7	0	1	817	18
7	B55	max		7	891.311	22	376.8	7	1.41	24	0	75	084	1
8	Doo		-809.112	1	274.784	66	-851.664	1	056	6	0	1	815	19
9	C102	max		10	889.352	22	278.807	3	.432	11	0	75	1.477	17
10	0102	min		4	274.321	67	-278.935	9	611	5	0	1	.377	11
11	C103		1161.491	5	888.172	14	86.761	11	.436	11	0	75	1.48	16
12	0,100	min	Contract of the Contract of th	11	273.486	70	-90.325	5	622	5	0	1	.359	10
13	N150		1013.014	9	234.59	9	629.028	3	0	75	0	75	0	75
14	11100	min		3	-222.555	3	-564.195	9	0	1	0	1	0	11
15	N152	max		10	97.68	1	1078.477	1_	00	75	_ 0	75	0	75
16		min		1	-72.254	7	-1145.318	7	0	1	0	1	0	1 1
17	N153	max		11	77.077	5	573.55	11	0	75	0	75	0	75
18	11100	min	The second secon	5	-51.637	11	-548.442	5	0	1	0	1	0	1
19	N155	max	The second secon	10	30.338	22	129.5	4	0	75	0	75	0	75
20			-587.777	4	4.6	4	-124.249	10	0	1	0	1	0	1_1_
21	N156	max	00 000	2	73.664	2	440.572	2	0	75	0	75	0	75
22	11,100	min		8	-51.713	8	-447.326	8	0	1	0	1	0	1_
23	B162	max	155 151	12	85.457	6	230.761	12	0	75	0	75	0	75
24			-474.583	6	-62.809	12	-227.746	6	0	1	0	1	0	1_
25	Totals:		3280.013	10	5414.095	13	3255.147	1						+
26		min	-3280.009	4	1742.281	71	-3255.152	7						1

Colliers Engineering & Design

enieto

Project No. 10207141 5000382880-VZW_MT_LO_H July 22, 2023 4:07 PM Checked By:__

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

	Member	Shape	Code C	Loc[ft]	LC	Shear .	Locifti	Dir	·LC	phi*Pnc II	ohi*Pnt (lb	l phi*Mn v-	phi*Mn zCb Eqn
1	C57	PIPE 2.0	.615	5.25	9	.248	6.453		3	8922.084	32130	1.872	1.872 1 H1-1b
2	A8	PIPE 2.0	.577	4.484	9	.295	4.484		3	8922.084	32130	1.872	1.872 2 H3-6
3	B33	PIPE 2.0	.530	5.25	1	.213	4.484		7	8922.084	32130	1.872	1.872 2 H1-1b
4	B32	PIPE 2.0	.514	5.25	4	.258	6.453		11	8922.084	32130	1.872	1.872 1 H1-1b
5	C58	PIPE 2.0	.496	5.25	8	.204	8.203		4	8922.084	32130	1.872	1.872 2 H1-1b
6	A7	PIPE 2.0	.474	5.25	1	.302	4.484		13	8922.084	32130	1.872	1.872 1 H1-1b
7	MP4A	PIPE 2.0	.464	5.125	27	.283	5.125		3	20866.733	32130	1.872	1.872 1 H1-1b
8	MP4B	PIPE 2.0	.329	5.125	19		5.125		7	20866.733	32130	1.872	1.872 1 H1-1b
9	A2	HSS3X3X3	.324	1.75	33	.306	0	v	33	76482.825	78246	6.796	6.796 2 H3-6
10	A1	HSS3X3X3	.321	1.75	33		0			76482.825	78246	6.796	6.796 2 H3-6
11	MP4C	PIPE 2.0	.321	5.125	23	.191	5.125			20866.733	32130	1.872	1.872 1 H1-1b
12	MP3A	PIPE 2.0	.281	5.5	26		5.5		4	20866.733	32130	1.872	1.872 2 H1-1b
13	MP1A	PIPE 2.0	.272	5.5	50	.184	4.75		8	20866.733	32130	1.872	1.872 2 H1-1b
14	MP1B	PIPE 2.0	.270	1.625	6	.216	4.75		12	20866.733	32130	1.872	1.872 2 H1-1b
15	MP3B	PIPE 2.0	.237	5.5	15		5.5		8	20866.733	32130	1.872	1.872 1 H1-1b
16	MP3C	PIPE 2.0	.236	5.5	19	.151	5.5		1	20866.733	32130	1.872	1.872 1 H1-1b
17	MP1C	PIPE 2.0	.223	1.625	10	.150	5.5		10	20866.733	32130	1.872	1.872 1 H1-1b
18	MP2A	PIPE 2.0	.207	1.313	50	.126	1.313		7	20866.733	32130	1.872	1.872 1 H1-1b
19	A5	PIPE 2.0	.204	0	33	.241	3		33	28843.414	32130	1.872	1.872 2 H3-6
20	A6	PIPE 3.0	.181	3.84	32	.235	.875		33	58029.84	65205	5.749	5.749 3 H1-1b
21	MP5A	PIPE 2.5	.174	3.5	35	.155	3.5	0	9	30037.163	50715	3.596	3.596 1 H1-1b
22	B27	HSS3X3X3	.172	1.75	24	.197	0	٧	24	76482.825	78246	6.796	6.796 2 H1-1b
23	B26	HSS3X3X3	.169	1.75	13	.194	0	V	24	76482.825	78246	6.796	6.796 2 H1-1b
24	C51	HSS3X3X3	.169	1.75	17	.194	0	V		76482.825	78246	6.796	6.796 2 H1-1b
25	C52	HSS3X3X3	.169	1.75	17	.196	0	٧	17	76482.825	78246	6.796	6.796 2 H1-1b
26	B31	PIPE 3.0	.156	.875	24	.154	.875		12	58029.84	65205	5.749	5.749 1 H1-1b
27	C56	PIPE 3.0	.153	.875	16	.153	.875		17	58029.84	65205	5.749	5.749 1 H1-1b
28	MP5C	PIPE_2.5	.148	3.417	5	.125	6.834			30037.163	50715	3.596	3.596 1 H1-1b
29	MP5B	PIPE 2.5	.145	3.417	1	.148	6.834		1	30037.163	50715	3.596	3.596 2 H1-1b
30	MP2C	PIPE_2.0	.138	5.125	21	.198	1.313		4	20866.733	32130	1.872	1.872 1 H1-1b
31	MP2B	PIPE 2.0	.136	5.125	13	.154	1.313			20866.733	32130	1.872	1.872 1 H1-1b
32	B30	PIPE 2.0	.100	0	24	.145	3		1	28843.414	32130	1.872	1.872 2, H1-1b
33	C55	PIPE 2.0	.099	3	17	.141	3		17	28843.414	32130	1.872	1.872 2 H1-1b
34	B80	PIPE 2.0	.053	0	7	.003	5.673		22	21842.487	32130	1.872	1.872 1H1-1b*
35	M76	PIPE 2.0	.052	0	3	.002	0		18	23903.635	32130	1.872	1.872 1H1-1b*
36	C78	PIPE 2.0	.040	5.673	11	.003	5.673		14	21842.487	32130	1.872	1.872 1H1-1b*
37	C79	PIPE 2.0	.030	6.384	10	.003	6.384		13	19711.36	32130	1.872	1.872 1 H1-1b*
38	M83	PIPE 2.0	.026	3.064	2	.076	0		10	20484.788	32130	1.872	1.872 1 H1-1b
39	B81	PIPE 2.0	.025	2.96	7	.003	0		20	21105.793	32130	1.872	1.872 1 H1-1b
40	M77	PIPE 2.0	.024	2.96	3	.003	0	5	16	21105.793	32130	1.872	1.872 1 H1-1b
41	M82	PIPE 2.0	.022	2.604	10	.109	0		6	23210.355	32130	1.872	1.872 1 H1-1b
42	M84	PIPE 2.0	.015	2.147	6	.089	4.293		2	25758.8	32130	1.872	1.872 1 H1-1b

VzW SMART Tool[©] Vendor

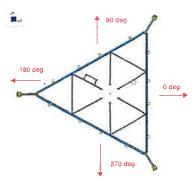
Client:	Verizon Wireless	Date: 7/22/2023
Site Name:	WILTON WEST CT	
MDG #:	5000382880	
Fuze ID #:	17123989	Page: 1
		Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required

Yes				
	_			

Nodes	Orientation
(labeled per Risa)	(per graphic of typical platform)
A5	0
A6	0
B54	240
B55	240
C102	120
C103	120
SAID TO SEE SEE SEE	
An unitario de	
THE REAL PROPERTY.	



Tower Connection Bolt Checks

Bolt Orientation

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 / bolt (kips):

Required Shear Strength / bolt (kips):

Tensile Capacity / bolt (kips):

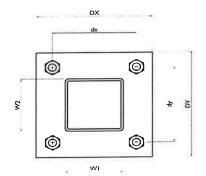
Shear Capacity / bolt (kips):

Bolt Overall Utilization:

Tower Connection Baseplate Checks

Yes

Parallel
4
9.5
1.5
A307
0.5
5.3
0.7
6.6
4.0
79.5%
No



VzW SMART Tool® Vendor

Client:	Verizon Wireless	Date:	7/22/2023
Site Name:	WILTON WEST CT		
PSLC#:	5000382880		
Fuze ID #;	17123989	Page:	2

Version 1.01

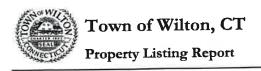
Tower Connection Weld Checks

No

ATTACHMENT 4



The Town of Wilton and its mapping contractors assume no legal responsibility for the information contained herein.



Map Block Lot

81-28

Building # 1

PID

4243

Account

001780

Property Information

Property Location	160 DEER RUN RD		
Owner	WESTPORT BROADCASTING CO LLC		
Co-Owner	na		
Mailing Address	PO BOX 1041 VIRGINIA BEACH VA 23451		
Land Use	2-1V Commercial		
Land Class	С		
Zoning Code	R-2		
Census Tract	1		

05	
2	
UNKNOWN	
UNKNOWN	Above Street
1081/0146	
	2 UNKNOWN UNKNOWN

Photo



Sketch

No Photo Available

Primary Construction Details

Year Built	0
Building Desc.	Commercial
Building Style	UNKNOWN
Building Grade	
Stories	0
Оссирапсу	
Exterior Walls	
Exterior Walls 2	NA T
Roof Style	
Roof Cover	
Interior Walls	
Interior Walls 2	NA
Interior Floors 1	
Interior Floors 2	NA

Heating Fuel	
Heating Type	
AC %	
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	
Fin Bsmt Quality	
Bsmt Gar	
Fireplaces	0

(*Industrial / Commercial Details)

Building Use	Vacant
Building Condition	
Sprinkler %	NA
Heat / AC	NA
Frame Type	NA
Baths / Plumbing	NA
Ceiling / Wall	NA
Rooms / Prtns	NA
Wall Height	NA
First Floor Use	NA
Foundation	NA

Report Created On

812012023



Map Block Lot

81-28

Building # 1

PID

4243 Account

001780

Valuation Sumr	mary (A	ssessed value = 70%	% of Appraised Value)	Sub Areas						
Item	Appraised		Assessed	Subarea Type		Gross Area (sq ft)	Living Area (sq ft)			
Buildings	0		0							
Extras	0		0							
Improvements	0		0							
Outbuildings	0		0							
Land	0		0							
Total	1020000		714000							
Outbuilding an	nd Extra F	eatures					-			
Type Descripti		Description	1							
Shed Good		476.00 S.F.								
Patio		892.00 S.F.								
Fence 6'		180.00 L.F.								
CELL TOWER		1.00 UNITS								
				Total Area		0	0			
Sales History				<u> </u>			L			
Owner of Record				Book/ Page Sale Date Sale Price						
FLAMM, DONALD				0177/0277	06/27/1972	5/27/1972 50000				
WESTPORT BROADCASTING CO LLC			1081/0146	02/11/1998	400000					

ATTACHMENT 5



Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here				
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	Postmaster, per (name of receiving of	neopost 9003.192 US POSTAGE \$003.192 ZIP 06103 041L12203937					
USPS® Tracking Number Firm-specific Identifier	(Name, Street, City,	dress State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift	
 2. 3. 	Lynne Vanderslice, Fir Town of Wilton 238 Danbury Road Wilton, CT 06897 Michael Wrinn, Direct Town of Wilton 238 Danbury Road Wilton, CT 06897 Westport Broadcasting PO Box 1041 Virginia Beach, VA 2	or of Planning and Land I	Jse Managemen	t/Town Planner	08103		
4.	The Beauty 111 E			Live 3			
5.							
6.							