Crown Castle
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065

September 12, 2023

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

RE: **Notice of Exempt Modification for Verizon**
Crown #876391_Crown_VZW
14 Thompson Hill Road, Columbia, CT 06237
Latitude: 41° 43′ 3.44″ / Longitude: -72° 17′ 59.09″

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 14 Thompson Hill Road, Columbia, CT 06237. The property and tower are owned by Crown Castle. Verizon now intends to add one (1) interference mitigation filter to be installed at the 150-foot level of the tower of the 180-foot monopole. This modification may include B2, B5, B17, B14, B29, B30, B66 & n77 hardware that is 4G(LTE) and/or 5GNR capable through remote software configuration and either or both services may be turned on or off at various times.

Panned Modification:

Tower:

Installed New:
(1) Kaelus BSF0020F3V1-1 Twin Bandstop 900MHZ Interference Mitigation Filter

The proposed work in this application only pertains to the installation of interference mitigation filter(s) and does not involve any additional equipment that may be called out in the Mount Analysis and/or in Table 1 of the Structural Analysis Reports.

The facility was approved by the Town of Columbia Planning and Zoning Commission on November 16, 1999. The approval has conditions which this exempt modification complies with. Please see attached.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.SA. § 16-SOj-73, a copy of this letter is being sent to First Selectman Steven M. Everett and Town Planner John Guszkowski for the municipality. Crown Castle is both the property and the tower owner. The proposed modifications will not result in an increase in the height of the existing tower.

1. The proposed modifications will not require the extension of the site boundary.
2. The proposed modification will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

3. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communication Commission safety standard.
4. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
5. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, Verizon respectfully submits that the proposed modifications to the above-reference telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2). Please send approval/rejection letter to Attn: Domenica Tatasciore.

Sincerely,

Domenica Tatasciore
Site Acquisition Specialist
1800 W. Park Drive
Westborough, MA 01581
(508) 621-9161/ Domenica.Tatasciore@crowncastle.com

Attachments
cc:

First Selectman Steven M. Everett
Town of Columbia
323 Route 87
Columbia, CT 06237
860-228-0110

Town Planner John Guszkowski
Town of Columbia
323 Route 87
Columbia, CT 06237
860-228-0440

Crown Castle, Land & Tower Owner

THIS CHECK PRINTED ON DOCUCHECK GHOST PAPER AND HAS A GRAPHIC WATERMARK ON REVERSE SIDE

CROWN CASTLE USA INC.
2000 CORPORATE DRIVE
CANONSBURG PA 15317
724-416-2000

JPMorgan Chase Bank, N.A.
DALLAS TX
32-61/1110

2892714

SIX HUNDRED TWENTY FIVE AND 00/100********** DATE 09/06/23 $*******625.00

Pay To The Order Of Connecticut Siting Council
Ten Franklin Square
New Britain CT 06051

2695915

Robert A Colli VP and Controller
Asst. Controller

VOID AFTER 180 DAYS

⑈2892714⑈ ⑆111000614⑆ 1034104533⑈

Check No 2892714
Check Date 09/06/23

Stub 1 of 1

CKRQ 876391 654627 ZAP	09/05/23	Invoice Summ		625.00	625.00
				625.00	625.00

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 773324038129: Your package has been delivered
Date: Tuesday, September 12, 2023 11:21:42 AM

FedEx

Hi. Your package was delivered Tue, 09/12/2023 at 11:14am.

Delivered to 323 JONATHAN TRUMBULL HWY, COLUMBIA, CT 06237
Received by A.LAVOIE

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	773324038129
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	Town of Columbia First Selectman Steven M. Everett 323 Route 87 COLUMBIA, CT, US, 06237
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 9/11/2023 05:18 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	COLUMBIA, CT, US, 06237
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

Wondering when a package will arrive?

Enter your tracking number to see your estimated delivery time within a 4-hour window.

TRACK A PACKAGE

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 773324083030: Your package has been delivered
Date: Tuesday, September 12, 2023 11:21:43 AM

FedEx

Hi. Your package was delivered Tue, 09/12/2023 at 11:14am.

Delivered to 323 JONATHAN TRUMBULL HWY, COLUMBIA, CT 06237
Received by A.LAVOIE

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	773324083030
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	Town of Columbia Town Planner John Guszkowski 323 Route 87 COLUMBIA, CT, US, 06237
REFERENCE	799001.7680
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Wondering when a package will arrive?

Enter your tracking number to see your estimated delivery time within a 4-hour window.

TRACK A PACKAGE

WN OF COLUMBIA
Planning & Zoning Commission
P.O. Box 165
Columbia, Connecticut 06237

Telephone: (860) 228-0440
Fax: (860) 228-1952

CERTIFIED #:
November 30, 1999

Sprint Spectrum L.P.
9 Barnes Industrial Road
Wallingford, CT 06492

Dear Sirs,

At a meeting held on November 16, 1999, the Columbia Planning and Zoning Commission took the following action:

approved the application of Sprint Spectrum for a telecommunications facility at 14 Thompson Hill Road, property of Thomas R. Deojay, RA2 zone, based on the submitted application, including plans entitled: "Sprint PCS, Columbia, 14 Thompson Hill Road, Columbia, Connecticut CT33XC571" prepared by Goodkind & O'Dea, Inc., 59 Elm Street, Suite 101, New Haven, Connecticut 06510, consisting of 10 sheets labeled T1, S1, and Z1-Z8, with all sheets revised to 9/14/99 except sheet S1 revised 11/8/99, with the following conditions:

1. The tower shall be structurally capable of supporting six users.
2. Prior to filing the final plan in the Land Records, a bond shall be posted to assure removal of the facility according to Section 52.7.15.5. The bond amount shall be proposed by the applicant and approved by the Town Engineer. Bond form shall be cash or letter of credit.
3. The Town Planner shall be contacted one week prior to the start of any work associated with this approval, including site development and tree removal. At the Planner's request, a preconstruction meeting with the Planner, developer and subcontractors shall be held prior to the start of work.
4. Any additional use of the site, including and not limited to additional antennas, cabinets, or other structures, and site work, requires additional permitting by the Commission.
5. The location of the tower and associated compound and the proposed driveway shall be staked out by a licensed surveyor prior to excavation or construction. The tower and compound fence shall be shown on an as-built survey at the A2 level of accuracy prior to commencement of use.
6. Clearcutting of timber shall be prohibited in a 100-foot ring around the lease area.
7. The text of this approval shall be placed on the final plan.

Sprint
2 of 2

Technical Items

1. A signature block shall be placed on each sheet.
2. Plan sheets shall be numbered or otherwise indexed in the lower right corner.
3. Add to the sedimentation and erosion control notes on Z6:
    1. The Planner and Wetlands Agent may modify the erosion control requirements based on field conditions so as to minimize erosion and siltation on the site.
    2. Erosion controls shall be installed and inspected by the Planner prior to stump removal, grubbing, or other construction. The driveway shall be built per plan prior to development of the tower site.
    3. Prior to any work including tree removal, the Planner shall be provided with the name and phone number of a contact responsible for site work and erosion control who is on call 24 hours/day.

IN ORDER FOR THE APPROVAL TO BECOME FINAL, THE ABOVE CONDITIONS MUST BE FULFILLED.

Note that this action may be appealed for a fifteen day period following publication of notice of action in the Willimantic Chronicle. (Notice was published on or about November 22, 1999.) Do not hesitate to contact me at 228-0440 if you have any questions.

Sincerely,

Martha Fraenkel
Land Use Planner/Zoning Official

MF/ds

cc: Tom Regan

encl: procedures

CERTIFIED MAIL # Z 039 122 992

"SUMMARY RULING"
(APPROVAL WITH CONDITIONS)

As provided for in Connecticut General Statutes Section 22a-36 through 22a-45, as amended, and in Sections 5,6.6b, 9.1 through 9.10 of the Inland Wetlands.and Watercourse Regulations of the Town of Columbia, I move that the application No. AP9899-20 and described below be approved and a permit be granted with the conditions listed below in that the proposed activity does not have a significant impact on the wetlands or watercourses as defined in Section 2.20 in the Inland Wetlands Commission Regulations.

Applicant: Sprint PCS

Address: 9 Barnes Industrial Rd. Wallingford, CT 06492

Address of Activity: 14 Thompson Hill Rd

Property owned by: Thomas R. & Willie Jo Deojay

Maps Dated: 5/28/99

Application received on: 6/1/99

For the proposed activity: Upgrade existing gravel access drive by placing fill & 18" RCP - area of fill & disturbance in wetlands approximately 230 sq. ft.

Conditions:

1. The Inland Wetland Commission Agent is to be notified 48 hours before the commencement of any part of the activity approved above.

2. The granting of this permit does not relieve the applicant from obtaining additional permits and/or approvals required by other agencies, federal, state and local.

3. If an approval or permit is granted by another agency and contains conditions affecting the wetlands and/or watercourses and the area 75 feet from their flagged boundaries not addressed by this permit, the applicant must resubmit the application for further consideration by the Inland Wetlands Commission for a decision before work on the activity is to take place.

4. The duration of this permit is for five (5) years unless extended; by this Agency, and shall expire upon the completion of the activity approved herein or within one year of the start of the activity; whichever is sooner.

5. The applicant shall not assign or transfer this permit, or any part thereof, without the written permission of the Agency.

6. All activities for the prevention of soil erosion, such as silt fences and hay bales shall be under the direct supervision of the Inland Wetland Agent and if he deems it necessary, a certified engineer, who shall employ the best management practices, consistent with the terms and conditions of this permit, to control storm water discharges and to prevent erosion and sedimentation, to otherwise prevent pollution of wetlands or watercourses.

7. A copy of this motion and conditions listed, when approved by a majority vote of the IWC members present, shall constitute a permit for the activity described in the application and accompanying data when signed and dated by the Agent.

8. Diversion plan in place if work undertaken during streamflow. Plan to be approved by agent.

9. See additional conditions dated 7/6/99 attached.

Motion by: C. Robinson
Seconded by: C. Sanborn
Commission Action: Approved
Date: 7/6/99

John Valente, Agent

July 6, 1999
Additional conditions for Sprint PCS

Driveway Crossing
1. Engineer to meet with agent and contractor.
2. Engineer to flag crossing and set elevations.
3. All silt fence to be in place prior to any work within 100' of wetlands.
4. Engineer to be present during initial stage of culvert installation and provide as-built certifying correct implementation of plan.

Driveway Design Outside of the Upland Review Area
1. Design of driveway is to prevent concentrated flows.
2. Any flow pattern greater than 200' to be broken up by acceptable erosion and soil measures, leak offs, grade changes or culverting.
3. All disturbed areas to be mulched and seeded.
4. All excess fill material to be deposited greater than 100' from wetlands - graded, seeded and mulched.

Mitigation
1. Mitigation to be done under the direction of the soil scientist.
2. Soil scientist to provide report to Commission on implementation of plan.
3. Soil scientist to verify success of planting at the beginning and end of the following growing season and provide report to Commission.

CERTIFIED MAIL # Z 039 122 992

"SUMMARY RULING"
(APPROVAL WITH CONDITIONS)

As provided for in Connecticut General Statutes Section 22a-36 through 22a-45, as amended, and in Sections 5,6.6b, 9.1 through 9.10 of the Inland Wetlands and Watercourse Regulations of the Town of Columbia, I move that the application No. AP9899-20 and described below be approved and a permit be granted with the conditions listed below in that the proposed activity does not have a significant impact on the wetlands or watercourses as defined in Section 2.20 in the Inland Wetlands Commission Regulations.

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Property owned by: Thomas R. & Willie Jo Deojay

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Seconded by: C. Sanborn
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2. Soil scientist to provide report to Commission on implementation of plan.
3. Soil scientist to verify success of planting at the beginning and end of the following growing season and provide report to Commission.

Columbia

Unique ID: 011069CEL **Card No:** 1 Of 1

Location:	14 THOMPSON HILL RD. CELL	**Map Id:**	011 069 CELL	**Zone:**	RA	**Date Printed:**	9/6/2023
		Neighborhood:	C			**Last Update:**	9/6/2023

Owner Of Record	Volume/Page	Sale Date	Sale Type	Valid	Sale Price
CROWN CABLE TOWERS 09 LLC	0000/0000	9/30/2011		No	0
4017 WASHINGTON RD PNB 331, MCMURRAY, PA 15317			Exempt		

Prior Owner History

Permit Number	Date	Permit Description
2978E	4/11/2022	REPLACE EXISTING EQUIPMENT AT WIRELESS FACILITY
2358COM	3/2/2021	INSTALL NEW 25KW AC GENERATOR & ATS ON EXISTING CONCRETE PAD TO INCLUDE NEW SERVICE DISCONNECT
1947COM	6/2/2020	T-MOBILE PROPOSES TO MODIFY EXISTING ANTENNA CONFIGURATION ON EXISTING TOWER BY REMOVING 3 ANTENNAS
1889E	4/21/2020	INSTALL BACKUP GENERATOR & ATS AT SITE
1237COM	10/1/2018	AT&T PROPOSING TO ADD 3 NEW ANTENNAS AND 6 NEW RRUS TO EXISTING ANTENNA ARRAY ON EXISTING TOWER
9800COM	7/20/2017	REPLACE EQUIP

Supplemental Data

Census/Tract	VisionPID	102279
Dev Map ID		
GIS ID		
Route		
District		
Utilities		

Appraised Value

Total Land Value	0
Total Building Value	0
Total Outbldg Value	1,729,500
Total Market Value	1,729,500

Acres

Land Type	Acres	490	Total Value
Total	0.0000	0.00	0

Structure Codes

Code	Quantity	Value
25-Commercial Outbuilding	4.00	1,210,650

Assessment History (Prior Years as of Oct 1)

	2023	2022	2021	2020	2019
Land	0	0	0	0	0
Building	0	0	0	0	0
Outbuilding	1,210,650	1,210,650	1,210,650	595,400	595,400
Total	1,210,650	1,210,650	1,210,650	595,400	595,400

490 Appraised Totals

Type	Acres	Value	Type	Acres	Value
			Totals	0.00	0

Application Date: Expiration Date:

Comments

Information may be deemed reliable, but not guaranteed. Revaluation Date: 10/1/2021

Unique ID: 011069CEL

Columbia

Location: 14 THOMPSON HILL RD, CELL **Unit**

Commercial Building Description	Description	Area/Qty
Building Use		
Class		
Overall Condition		
Construction Quality		
Stories		
Year Built		
Remodel		
Percent Complete		
GLA		
Basement		
Basement Area		
HVAC		
Heating Type		
Fuel Type		
Cooling Type		
Interior		
Floors		
Walls		
Wall Height		
Exterior		
Exterior Walls		
Roof Type		
Roof Cover		
Special Features		

Attached Component Computations

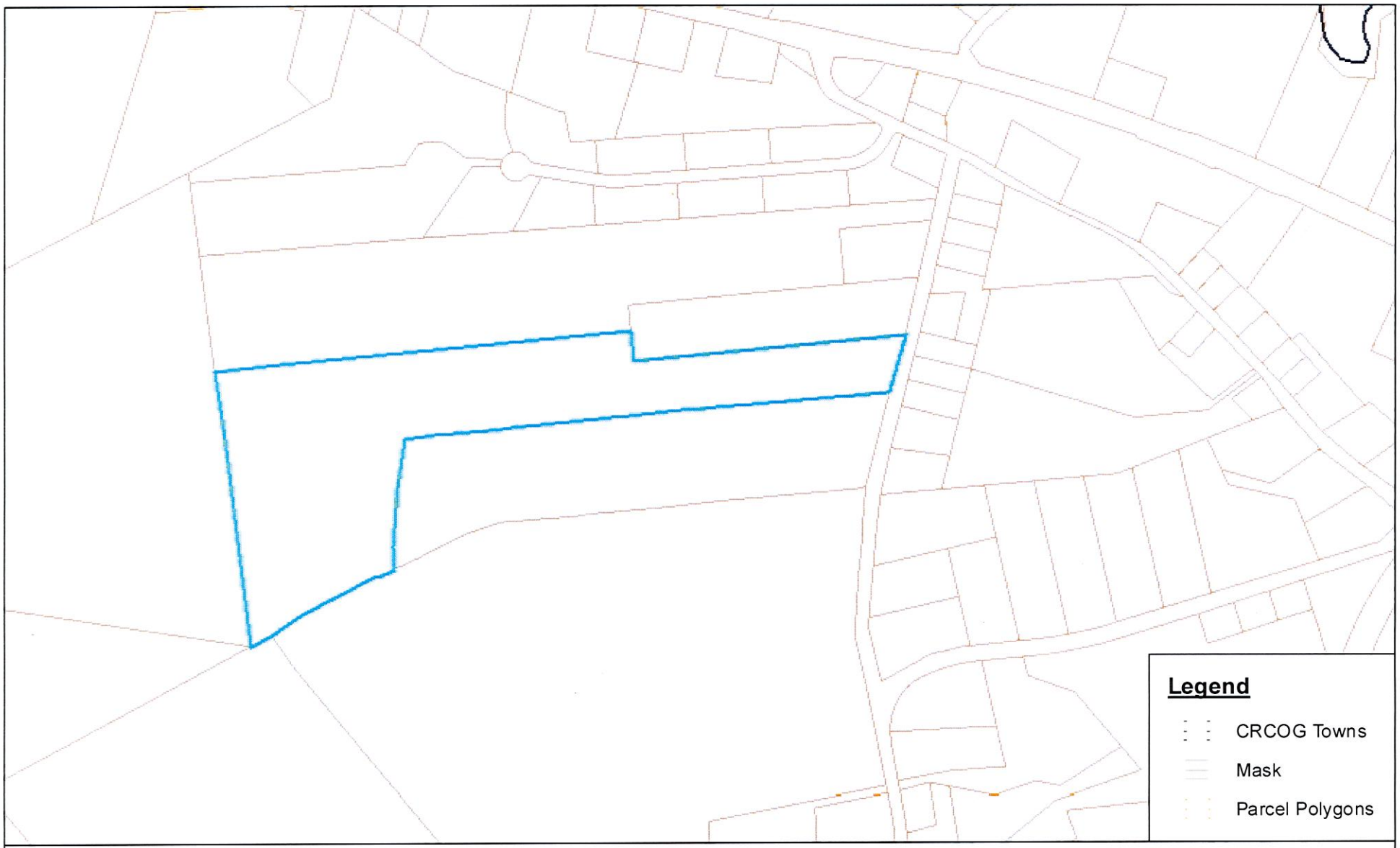
Type	Yr Blt	Area/Qty

Detached Component Computations

Type	Year	Condition	Area/Qty

Type	Year	Condition	Area/Qty

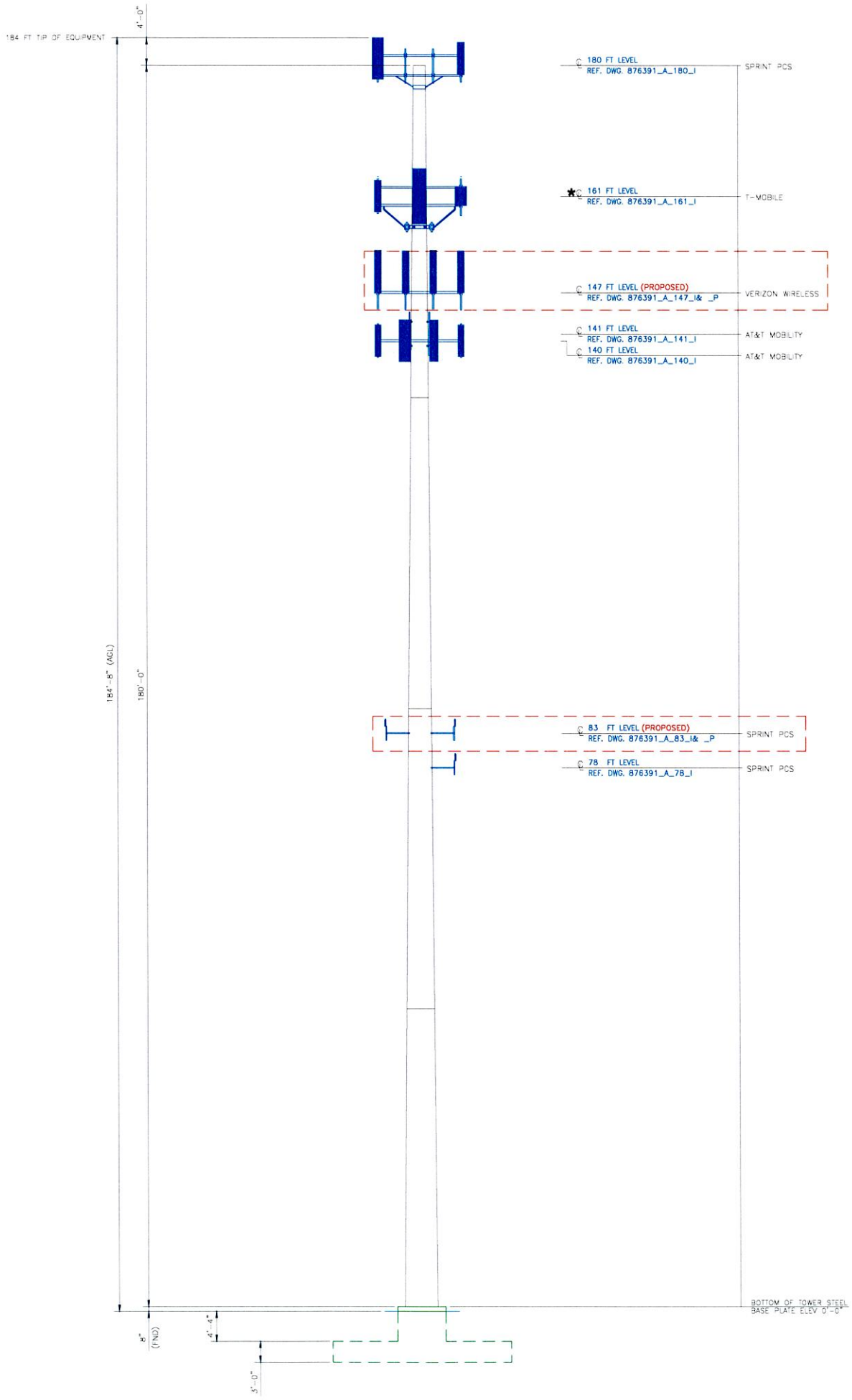
ArcGIS Web Map



N
W E
S

CRCOG CAPITOL REGION COUNCIL OF GOVERNMENTS
Working together for a better region.

Scale
1:9,028
Created: 9/6/2023


184 FT TIP OF EQUIPMENT
4'-0"
184'-8" (AGL)
180'-0"
℄ 180 FT LEVEL
REF. DWG. 876391_A_180_I
SPRINT PCS
℄ 161 FT LEVEL
REF. DWG. 876391_A_161_I
T-MOBILE
℄ 147 FT LEVEL (PROPOSED)
REF. DWG. 876391_A_147_I& _P
VERIZON WIRELESS
℄ 141 FT LEVEL
REF. DWG. 876391_A_141_I
AT&T MOBILITY
℄ 140 FT LEVEL
REF. DWG. 876391_A_140_I
AT&T MOBILITY
℄ 83 FT LEVEL (PROPOSED)
REF. DWG. 876391_A_83_I& _P
SPRINT PCS
℄ 78 FT LEVEL
REF. DWG. 876391_A_78_I
SPRINT PCS
BOTTOM OF TOWER STEEL
BASE PLATE ELEV 0'-0"
8"
(TYP)
4'-4"
5'-0"

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

BAND NAME	700 PATH / 850 UPLINK PATH	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	50Ohms
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm

DC / AISG	
Passband	0 - 13MHz
Insertion loss	0.3dB maximum
Return loss	15dB minimum
Input voltage range	± 33V
DC current rating	2A continuous, 4A peak
Compliance	3GPP TS 25.461

ENVIRONMENTAL	
For further details of environmental compliance, please contact Kaelus.	
Temperature range	-20ºC to +60ºC | -4°F to +140°F
Ingress protection	IP67
Altitude	2600m | 8530ft
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.
MTBF	>1,000,000 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 3.15in (Excluding brackets and connectors)
Weight	8.0 kg | 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering information.

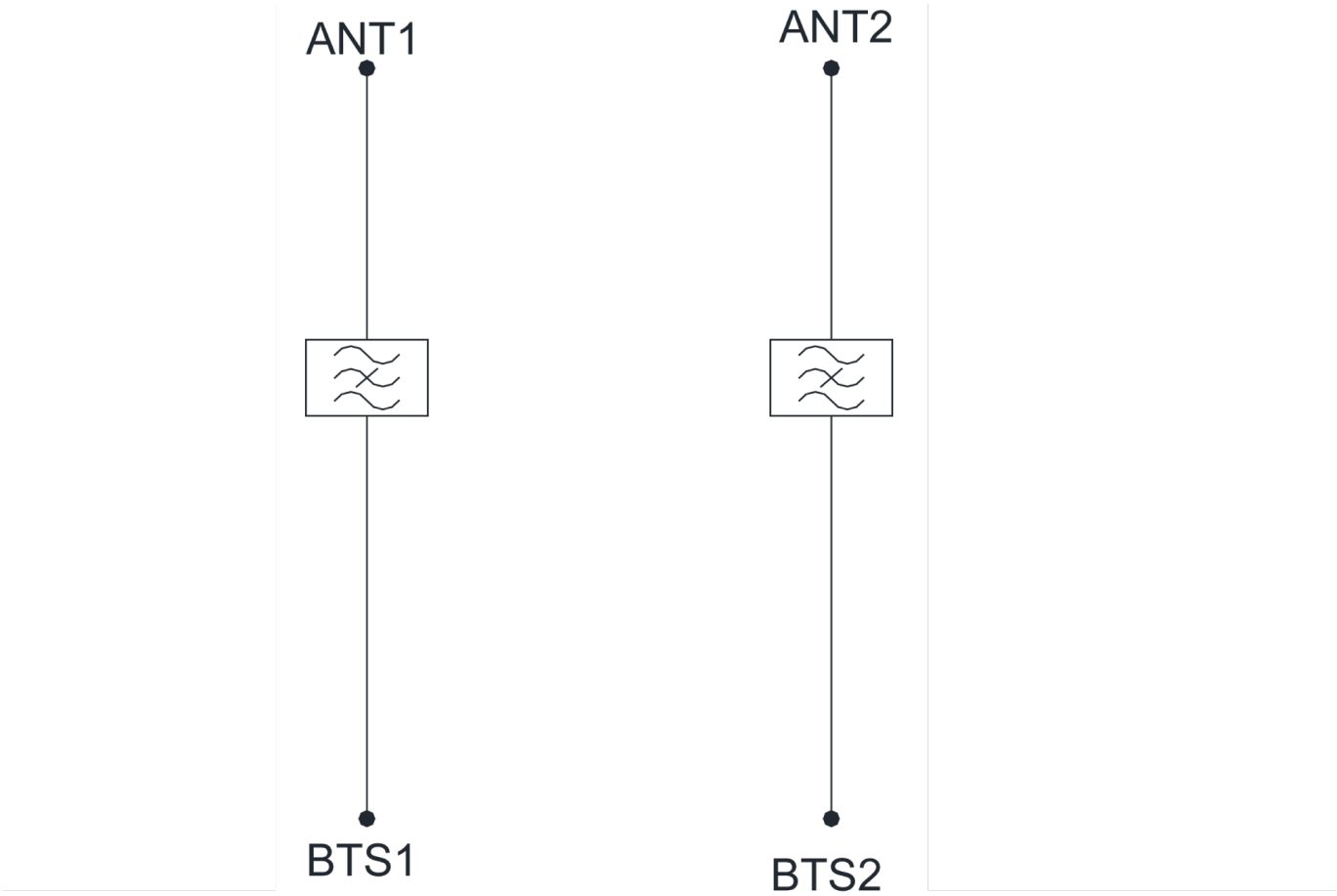
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ORDERING INFORMATION

PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
BSF0020F3V1	TWIN, 2 in / 2 out	DC/AISG PASS NO BRACKET	4.3-10 (F)
BSF0020F3V1-1	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)
BSF0020F3V1-2	QUAD, 4 in / 4 out	DC/AISG PASS	4.3-10 (F)

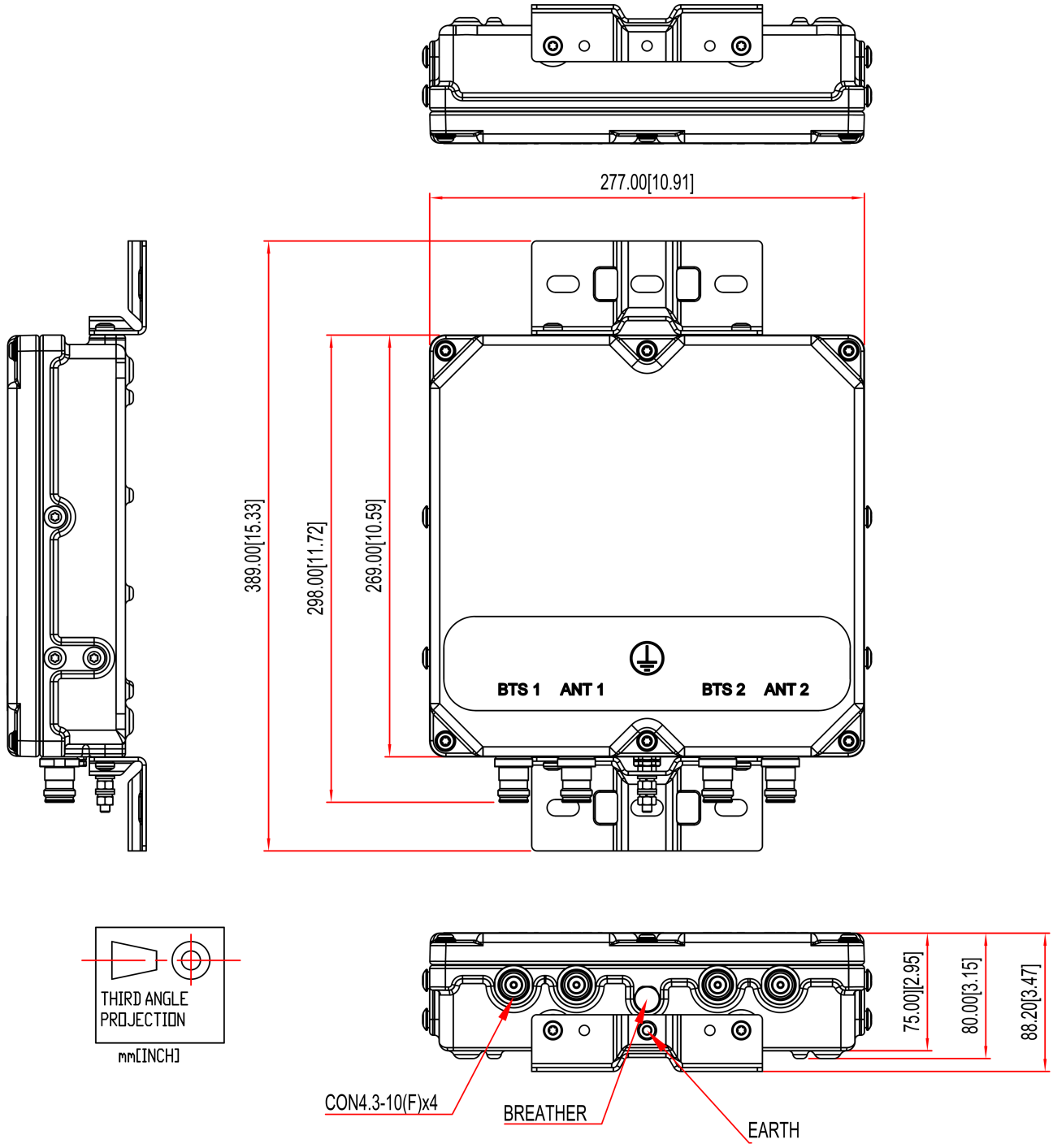
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ELECTRICAL BLOCK DIAGRAM



Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

MECHANICAL BLOCK DIAGRAM



Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

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

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10207347
Colliers Engineering & Design CT, P.C. Project #: 23777063

July 26, 2023

Site Information	*Site ID:*	*5000397985-VZW / COVENTRY S CT*
	Site Name:	*COVENTRY S CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*141 Thompson Hill Rd.* *Columbia, Connecticut 06237* *Tolland County*
	Latitude:	*41.717611°*
	Longitude:	*-72.299761°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*14.00-Ft Platform*

FUZE ID # 17123744

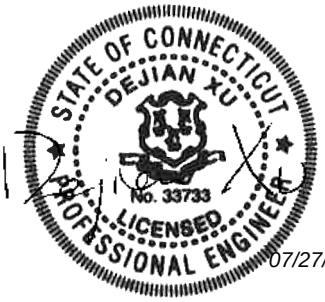
Analysis Results

Platform: **68.5% Pass w/ Modifications***

***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: Frank Centone



07/27/2023

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 674869, dated October 12, 2021*
Mount Mapping Report	*Hudson Design Group, LLC, Site ID: 467541, dated October 19, 2021*
Final Loading Guidance	*Filter Add Scope Provided by Verizon Wireless*
Previous Mount Analysis Report	*Colliers Engineering & Design, Project #: 23777063, dated July 10, 2023*
Mount Modification Drawings	*Colliers Engineering & Design, Project #: 23777063, dated July 26, 2023*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	125 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.980
Seismic Parameters:	S_S:	0.195 g
	S_1:	0.055 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)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
147.00	147.50	3	Commscope	NHH-65B-R2B	Added
		3	Commscope	NHHSS-65B-R2BT0	
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	CBRS RRH-RT4401-48A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		2	KAelus	KA-6030	
		3	Andrew	LNX-6514DS-A1M	Retained
		1	ADC	GPS	

The recent mount mapping reported existing OVP units. 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:

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

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped 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.

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

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

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Colliers Engineering & Design.

Analysis Results:

Component	Utilization %	Pass/Fail
Platform Angle	68.5%	Pass
Back Standoff HSS	26.3%	Pass
Front Standoff HSS	11.3%	Pass
Mount Pipe	42.3%	Pass
Threaded Rod	22.9%	Pass
MOD Support Rail	19.4%	Pass
MOD Corner Angle	39.2%	Pass
MOD Kicker	11.5%	Pass
MOD Threaded Rods	28.8%	Pass
MOD Equipment Pipe	7.1%	Pass
Mount Connection	18.3%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**68.5%**

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

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	36.1	36.0	49.0	48.9
0.5	44.9	45.1	63.4	63.2
1	53.0	53.4	77.0	76.7

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 mount will be **SUFFICIENT** for the final loading configuration (attachment 2) after the modifications detailed in attachment 3 are successfully completed.

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

Attachments:

1. **Contractor Required PMI Report Deliverables**
2. Antenna Placement Diagrams
3. Mount Modification Drawings
4. Mount Photos
5. Mount Mapping Report (for reference only)
6. Analysis Calculations

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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MDG #: 5000397985 SMART Project #: 10207347 Fuze Project ID: 17123744

Purpose – to upload the proper documentation to the SMART Tool in order to allow the SMART Tool engineering vendor to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

Base Requirements:

- If installation of the modification 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 drawings" showing contractor's name, 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 post-modification passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo shall be time and date stamped.
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is 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*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation of the modifications.
  - Photos of the mount after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to modification.
  - Photos showing the climbing facility and safety climb if present.

- Photos showing each individual sector after installation of modifications. Each entire sector must 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.
- Photos that show the model number of each antenna and piece of equipment installed per sector.
- Photos of each installed modification per the modification drawings; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
- Photos showing the distances (relative distance between collars) of the installed modifications from the appropriate reference locations shown in the modification drawings.
- Photos showing the installed modifications onto the tower (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, an elevation measurement shall be provided before the elevation change.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by the SMART Tool vendor.
    - If the materials are as specified on the drawings
        - The contractor shall provide the packing list, or the materials certifications for the materials utilized to perform the mount modification
        - Commscope, Metrosite, Perfect Vision, Sabre, and Site Pro have all agreed to support Verizon vendors with the necessary material certifications
    - If seeking permission to use an equivalent
        - It is required that the SMART Tool engineering vendor approval of such is included in the contractor submission package. There may be an additional charge for approval if the equivalent submission doesn't meet specifications as prescribed in the drawings.

☐ All hardware has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings and included in the material certification folder is a packing list or invoice for these materials.

OR

☐ The material utilized was approved by a SMART Tool engineering vendor as an "equivalent" and this approval is included as part of the contractor submission.

Antenna & Equipment Placement and Geometry Confirmation:

☐ 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.

Comments:

Was the mount modification completed in conjunction with the equipment change / installation?

☐ Yes ☐ No

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

Issue:

Contractor to install CBRS radio 6" from the top of the proposed equipment pipe (Refer to the mount mod drawings) in position 3 of each sector. RF4439d-25A radio to be stack mounted below the CBRS radio in each sector on the same equipment pipe. Contractor to adjust the position 4 GPS pipe to pipe connection in Alpha sector as necessary to install the proposed support rail.

Response:

Special Instruction Confirmation:

☐ The contractor has read and acknowledges the above special instructions.

Comments:

Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

Contractor to certify the condition of the safety climb and verify no damage when leaving the site:

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Comments:

Certifying Individual:

Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

S r **A** 2 2 23

S r r T M 1 2 34

M E 14 . P 1

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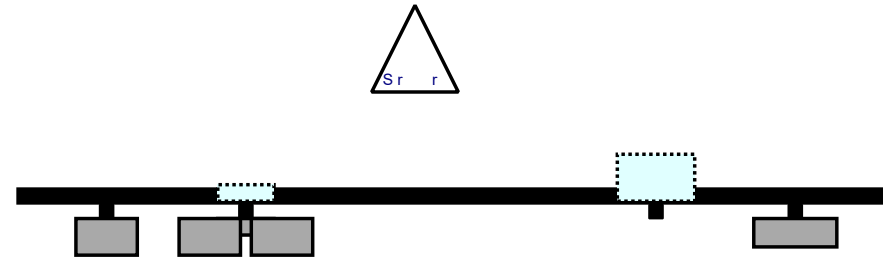
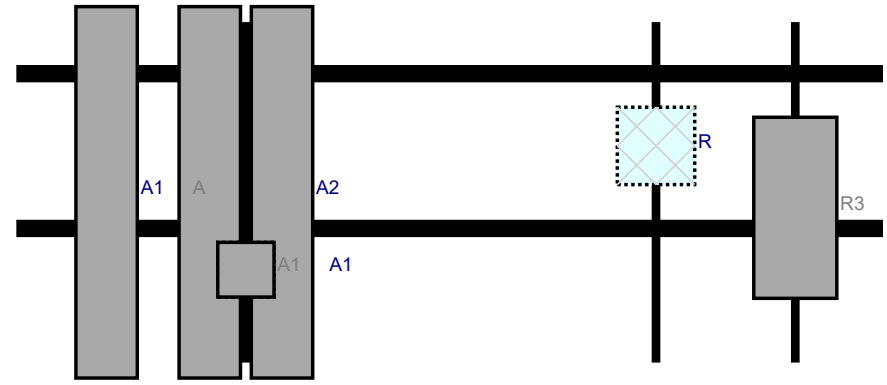
Plan View



Front View - L S r r



4 3 2 1

R	M d		d	D r L.	P P	P P	A r T.	. A O	A S	d
R3	MT 4 A	3 .1	1 .1	1 1	1		r 3		Add d	
R	R 444 d 13A	1	1	124	2		B d 24		Add d	
A1	B R2B	2	11.	44.	3		r 33		Add d	
A2	SS B R2BT	2	11.	44.	3		r 33		Add d	
A1	A 3	1 .	1 .	44.	3		B d 4		Add d	
A1	A 3	1 .	1 .	44.	3		r 4		Add d	
A	L 14DS A1M	2	11.	1 .	4		r 33		R d	22 2 23
R A	BRS RR RT44 1 4 A	13.	.		M	r			Add d	
R A	R 443 d 2 A	1	1		M	r			Add d	
PS	PS	4.	3.		M	r			R d	22 2 23
R B	BRS RR RT44 1 4 A	13.	.		M	r			Add d	
R B	R 443 d 2 A	1	1		M	r			Add d	
R	BRS RR RT44 1 4 A	13.	.		M	r			Add d	
R	R 443 d 2 A	1	1		M	r			Add d	

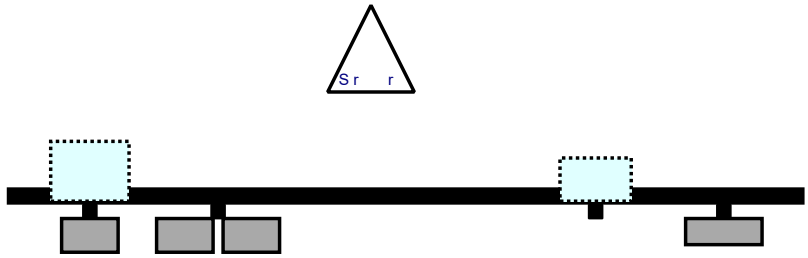
S r **B** 2 2 23

S r r T M 1 2 34

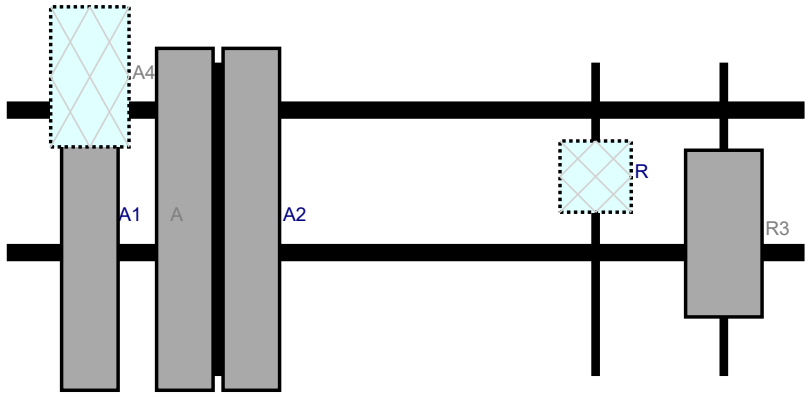
M E 14 . P 2

Colliers Engineering & Design

Plan View



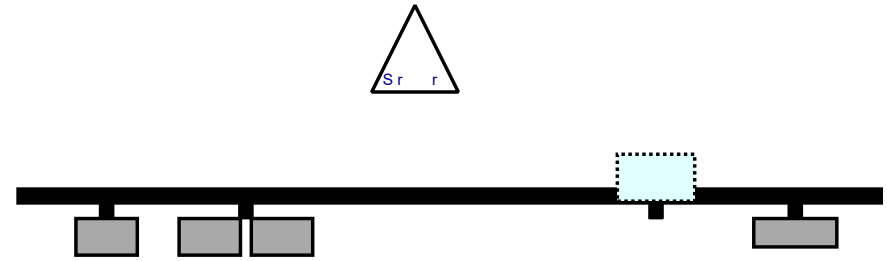
Front View - L S r r



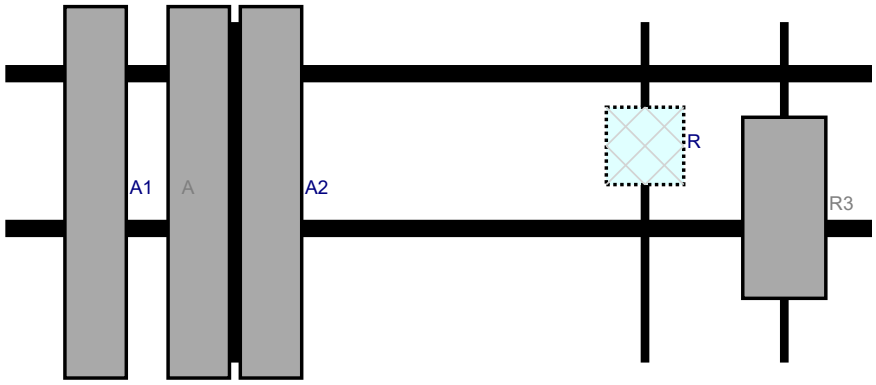
4 3 2 1

R	M d	d	D r L.	P P	P P	A r T.	. A O	A S	d
R3	MT 4 A	3 .1	1 .1	1 1	1	r	3	Add d	
R	R 444 d 13A	1	1	124	2	B d	24	Add d	
A1	B R2B	2	11.	44.	3	r	33	Add d	
A2	SS B R2BT	2	11.	44.	3	r	33	Add d	
A	L 14DS A1M	2	11.	1 .	4	r	33	R d	22 2 23
A4	R D 2 P 4	2 .	1 .	1 .	4	B d	3	Add d	

Plan View



Front View - L S r r



4 3 2 1

R	M d	d	D r L.	P P	P P	A r T.	. A O	A S	d
R3	MT 4 A	3 .1	1 .1	1 1	1	r	3	Add d	
R	R 444 d 13A	1	1	124	2	B d	24	Add d	
A1	B R2B	2	11.	44.	3	r	33	Add d	
A2	SS B R2BT	2	11.	44.	3	r	33	Add d	
A	L 14DS A1M	2	11.	1 .	4	r	33	R d	22 2 23

MOUNT MODIFICATION DRAWINGS
EXISTING 14.00' PLATFORM

TOWER OWNER: CROWN CASTLE
TOWER OWNER SITE NUMBER: 876391

CARRIER SITE NAME: COVENTRY S CT
CARRIER SITE NUMBER: 5000397985
FUZE ID: 17123744

141 THOMPSON HILL RD.
COLUMBIA, CT 06237
TOLLAND COUNTY

LATITUDE: 41.717611° N
LONGITUDE: 72.299761° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 125 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY: 1
TOPOGRAPHIC CONSIDERED: N/A
TOPOGRAPHIC METHOD: N/A
MEAN BASE ELEVATION (AMSL) = 560.51'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS = 1.00 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_S = .195
LONG TERM MCER GROUND MOTION, S_1 = .055

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS

PROJECT MANAGER

COMPANY: COLLIERS ENGINEERING & DESIGN
CONTACT: PETER ALBANO
PHONE: 856.797.0412
E-MAIL: PETER.ALBANO@COLLIERSENG.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10207347
VZW MDG #: 5000397985
ANALYSIS DATE: 7/26/2023

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

SHEET	DESCRIPTION
ST-1	TITLE SHEET
SBOM-1	BILL OF MATERIALS
SGN-1	GENERAL NOTES
SCF-1	CLIMBING FACILITY DETAIL
SS-1	MODIFICATION DETAILS
SS-2	MOUNT PHOTOS
	SPECIFICATION SHEETS

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SCALE : AS SHOWN
JOB NUMBER : 23777063

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.
0	07/26/23	ISSUED FOR CONSTRUCTION	FAC	DX

COLLIERS ENGINEERING & DESIGN CT, P.C.
C.T. JPC.0000131

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:

COVENTRY S CT
5000397985

141 THOMPSON HILL RD.
COLUMBIA, CT 06237
TOLLAND COUNTY

Colliers Engineering & Design

STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING

SHEET TITLE : TITLE SHEET

SHEET NUMBER : ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
12	VZWSMART	VZWSMART-MSK1	CROSSOVER PLATE		14	168
3		VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET		30	90
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	291	291
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
3		VZWSMART-MSK3	PIPE TO PIPE CLAMPS		20	60
3		VZWSMART-P40-238X048	48" LONG, PIPE 2 SCH40 (2.375"OD X 0.154" THK)	GALVANIZED	15	45

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	-	-	162" LONG, PIPE 2.5 SCH40 (2.875"OD X 0.203" THK)	GALVANIZED	78	234
3	-	-	36" LONG, L3X3X1/4 SUPPORT RAIL CONNECTOR ANGLE	GALVANIZED, CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	15	44
6	-	-	6" LONG, HSS2 1/2X2 1/2X1/4	GALVANIZED, CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	4	24
6	-	-	6" LONG, 2 1/2"X1/2" THICK SHIM PLATE	GALVANIZED, CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	-	-

SECTION 3 - REQUIRED SAFETY CLIMB PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
					TOTAL:	1,106

NOTES:

1. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.
2. ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE	
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM

METROSITE FABRICATORS, LLC	
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM

PERFECTVISION	
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM

SABRE INDUSTRIES, INC.	
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM

SITE PRO 1	
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NEWAVE	
CONTACT	NEWAVE SALES TEAM
PHONE	(971) 239-4762
EMAIL	SALES@NEWAVETC.COM
WEBSITE	WWW.NEWAVETC.COM

BETTER METAL, LLC	
CONTACT	DAVID STANSBERRY
PHONE	(615) 535-0990 (O), (615) 631-2520 (M)
EMAIL	DLS@BETTERMETAL.COM
WEBSITE	WWW.BETTERMETAL.COM

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SITE NAME:

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STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: SBOM-1

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO

      PETER.ALBANO@COLLIERSENG.COM

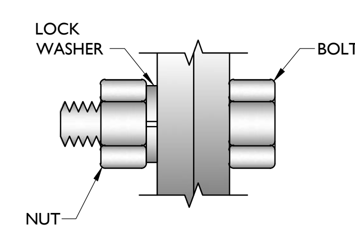
   b. PROVIDE COLLIERS ENGINEERING & DESIGN PROJECT # AND COLLIERS ENGINEERING & DESIGN PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
9. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
10. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
11. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
12. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
13. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINC COTE, OR EOR APPROVED EQUAL), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

BOLT SCHEDULE (IN.)

BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8

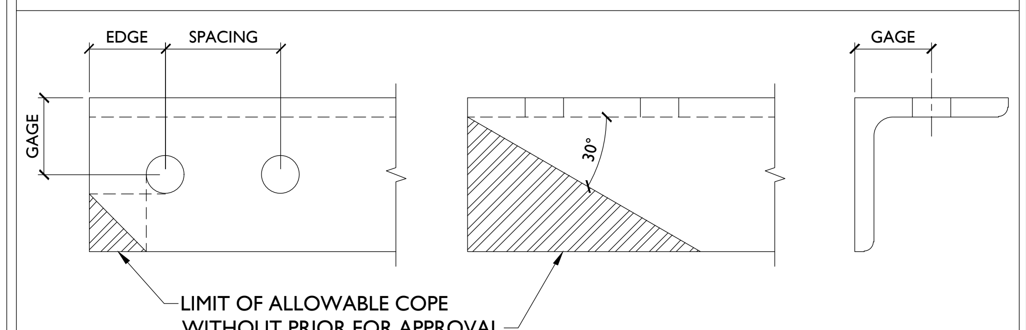


TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

ALLOWABLE COPING



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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

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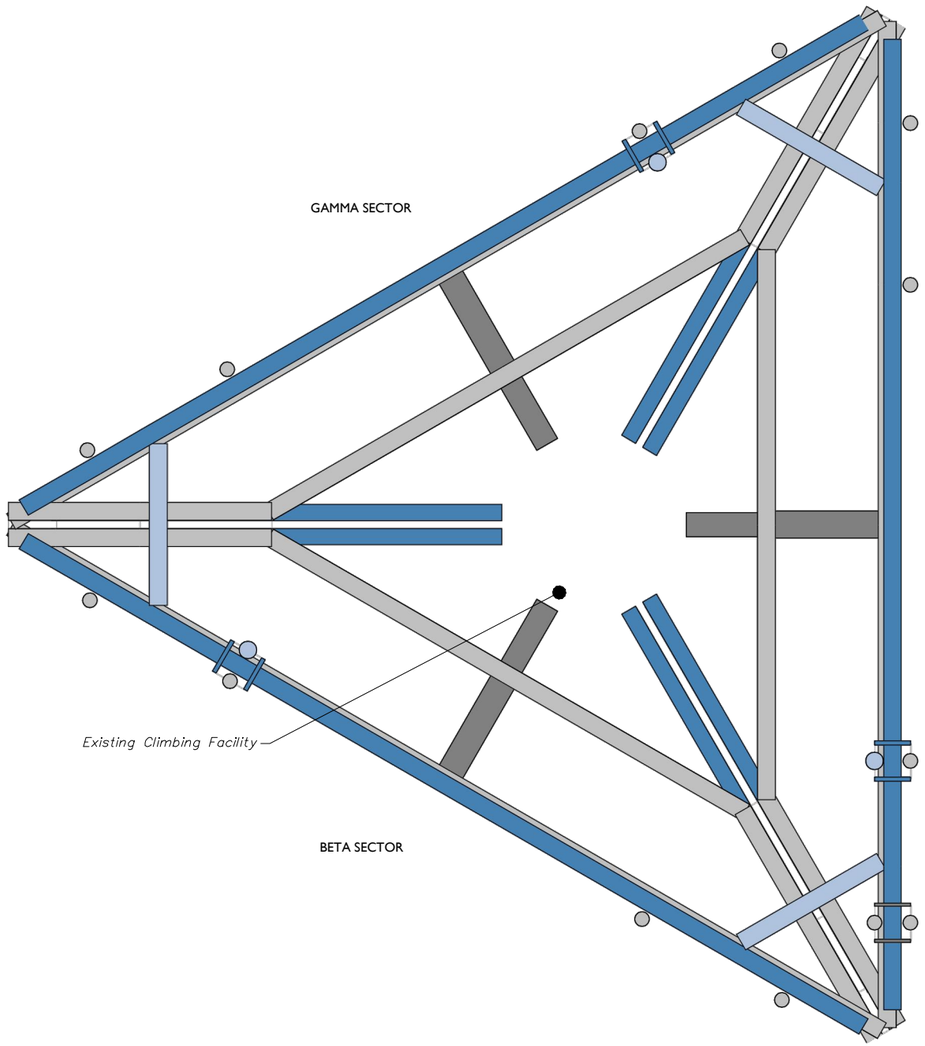
SHEET TITLE :
GENERAL NOTES

SHEET NUMBER :
SGN-1

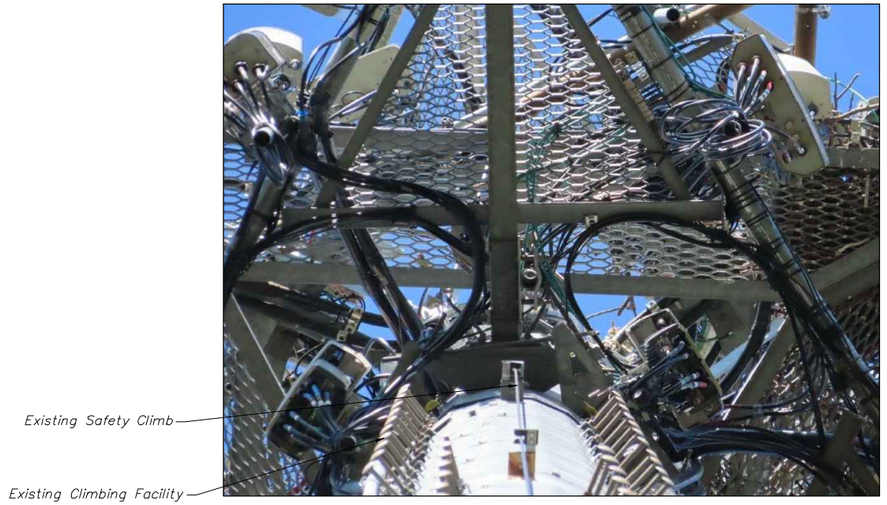
NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

\AcPublish_15320\Template.Mount MOD.dwg\SGN-1 By: FCENTONE



1 CLIMBING FACILITY LOCATION

SCALE : N.T.S.



CLIMBING FACILITY PHOTO

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY HUDSON DESIGN GROUP, LLC. ON 10/19/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (147'-6") ARE IN GOOD CONDITION. COLLIERS ENGINEERING & DESIGN DOES NOT WARRANT THIS INFORMATION.

2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

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SHEET TITLE :

CLIMBING FACILITY DETAIL

SHEET NUMBER :

SCF-1

LEGEND:

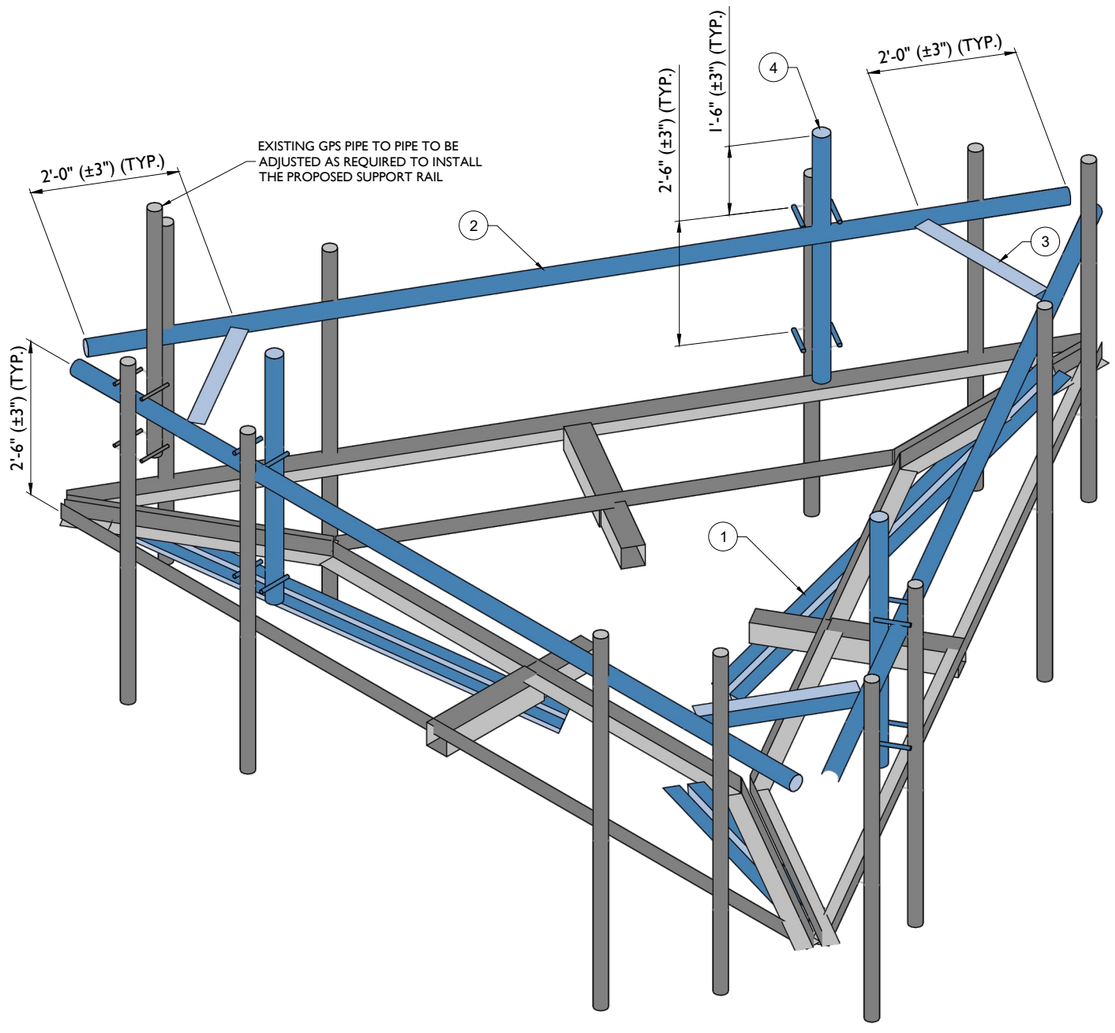
- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	147'-6"	1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7). SEE GENERAL NOTE B. REFER TO DETAIL 3.
2		3	162" LONG, PIPE 2.5 SCH40 (2.875"OD X 0.203" THK)	CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1). RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
3		3	36" LONG, L3X3X1/4 SUPPORT RAIL CONNECTOR ANGLE	CONTRACTOR SHALL CONNECT PROPOSED ANGLES TO SUPPORT RAIL CORNER BRACKET (PART #: VZWSMART-PLK3) USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
4		3	PROPOSED 48" LONG, PIPE 2 SCH40 (PART #: VZWSMART-P40-238X048)	CONNECT NEW EQUIPMENT PIPE TO EXISTING POSITION 3 MOUNT PIPE WITH PIPE TO PIPE CLAMPS (PART #: VZWSMART-MSK3).

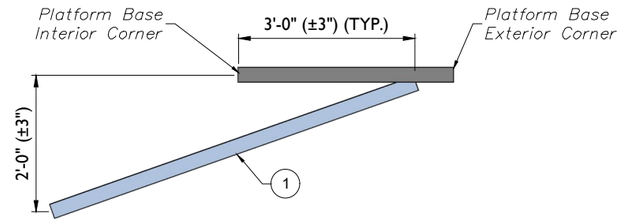
GENERAL NOTES:

A. CONTRACTOR SHALL VERIFY THAT NEW & EXISTING STEEL IS FREE OF CORROSION. VISIBLE MINOR CORROSION SHALL BE WIRE BRUSHED CLEAN AND TREATED WITH COLD GALVANIZATION. REPORT ANY SIGNIFICANT CORROSION TO EOR
B. THREADED ROD FROM PROPOSED KITS SHALL BE TRIMMED TO EXTEND NO MORE THAN 3" BEYOND THE LOCK NUT. TREAT ALL CUT ENDS WITH (2) COATS OF COLD GALVANIZATION (ZINC KOTE, OR EOR APPROVED EQUAL).
C. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.



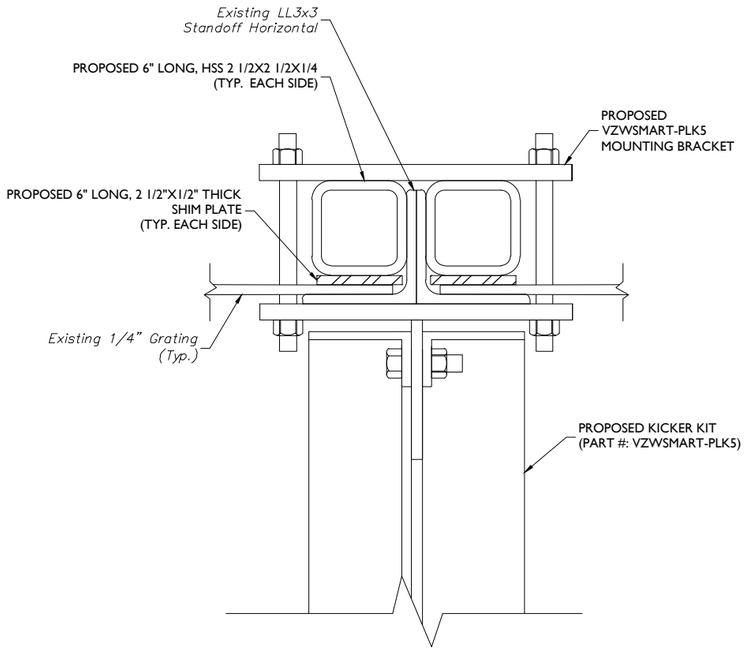
1 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.



3 KICKER TO STANDOFF HORIZONTAL CONNECTION DETAIL

SCALE : N.T.S.

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MODIFICATION DETAILS

SHEET NUMBER :

SS-1

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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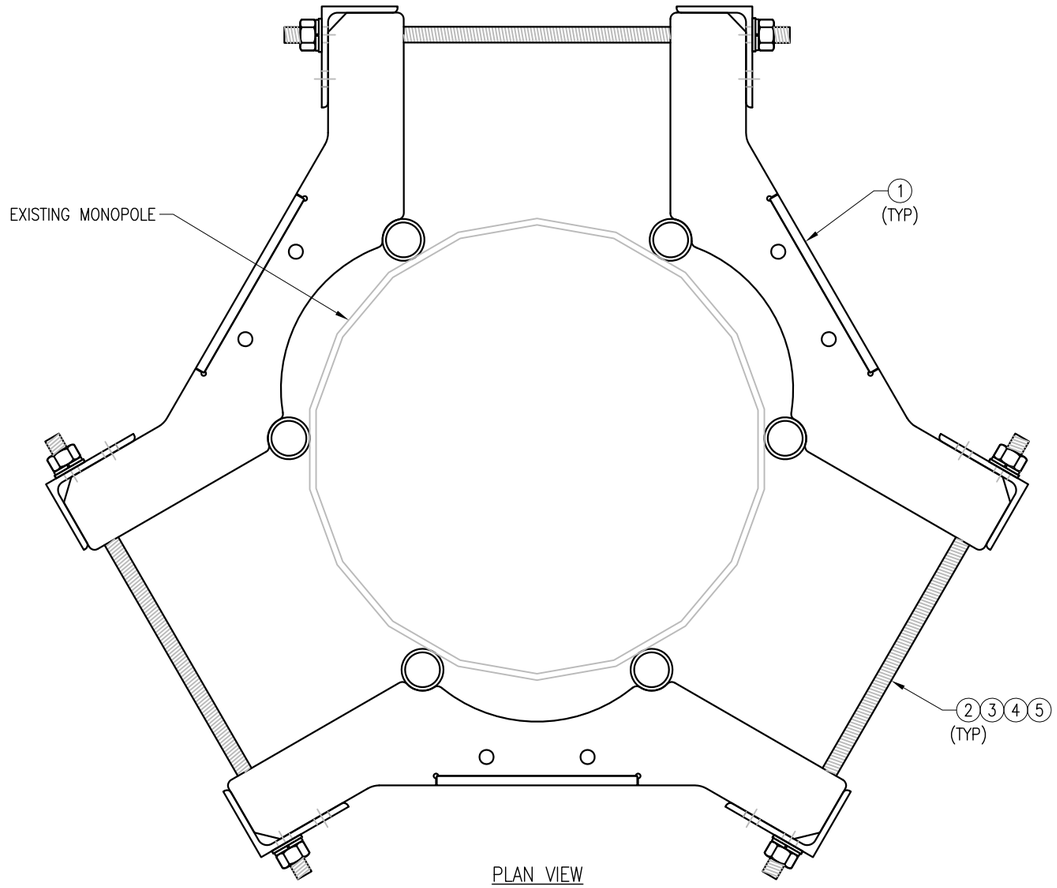
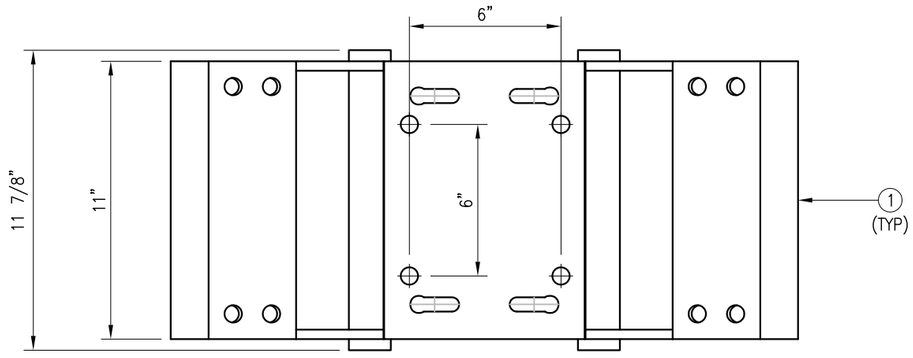
SHEET TITLE : MOUNT PHOTOS

SHEET NUMBER : SS-2



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

NOTES:
1. FIT 12" TO 45" DIA MONOPOLE.
2. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	CM-1245	COLLAR MOUNT ASSEMBLY	PLK7-F1	147
2	6	---	THREADED ROD 5/8" X 4'-0" A193-B7	---	
3	12	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	12	LW-625	5/8" HDG LOCK WASHER	---	0
5	12	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	150

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DRAWN BY: BT | CHECKED BY: HMA/KW

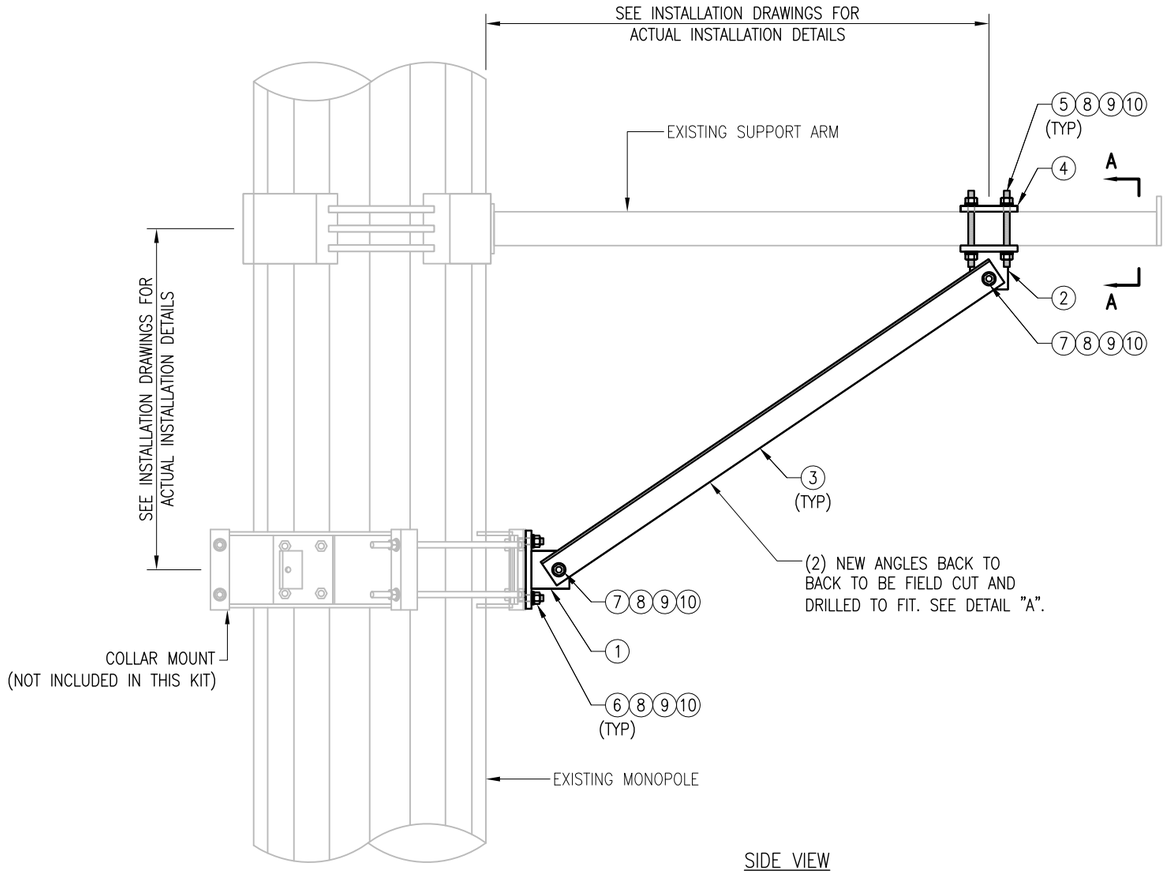
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

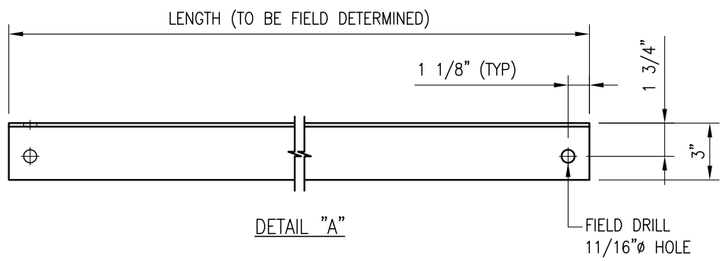
SHEET NUMBER: VZWSMART-PLK7

REV #: 0

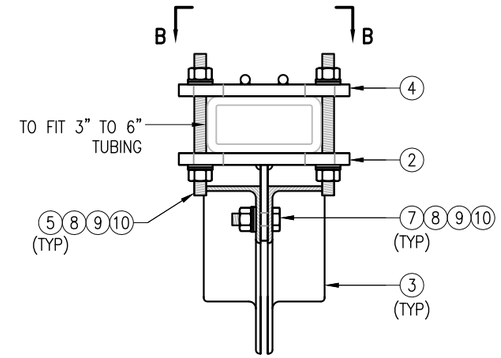
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



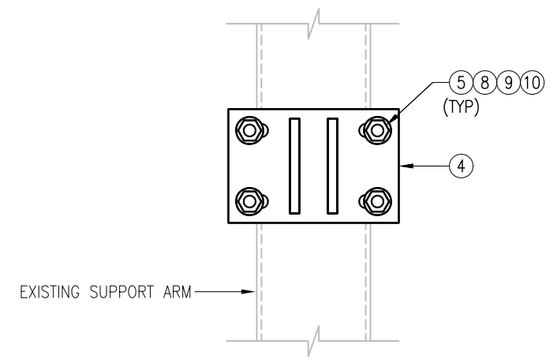
SIDE VIEW
KICKER KIT



DETAIL "A"

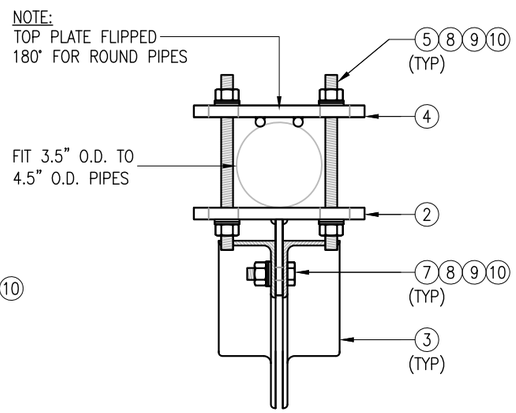


SECTION "A–A"
RECT. HSS MOUNTING



SECTION "B–B"

NOTE:
TOP PLATE FLIPPED 180° FOR ROUND PIPES



SECTION "A–A"
ROUND PIPE MOUNTING

VZWSMART–PLK5 (KICKER KIT)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW–XXX	BRACKET WELDMENT A36	PLK5–F3	43.8
2	3	BRKW–XXXX	BRACKET WELDMENT A36	PLK5–F2	35.7
3	6	L331875–8	L 3" X 3" X 3/16" X 8'–0" A36	PLK5–F4	182.9
4	3	PL–KI	PL 5/8" X 6" X 9" A36	PLK5–F1	29.0
5	12	---	THREADED ROD 5/8" DIA. X 1'–0" F1554–36 HDG	---	--
6	6	---	BOLT 5/8" X 2" A325	---	--
7	12	---	BOLT 5/8" X 2 1/2" A325	---	--
8	42	FW–625	5/8" HDG USS FLAT WASHER	---	3
9	42	LW–625	5/8" HDG LOCK WASHER	---	1
10	42	NUT–625	5/8" HDG HEX NUT	---	5
				GALVANIZED WT	291

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT–DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

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REV.	DESCRIPTION	BY	DATE
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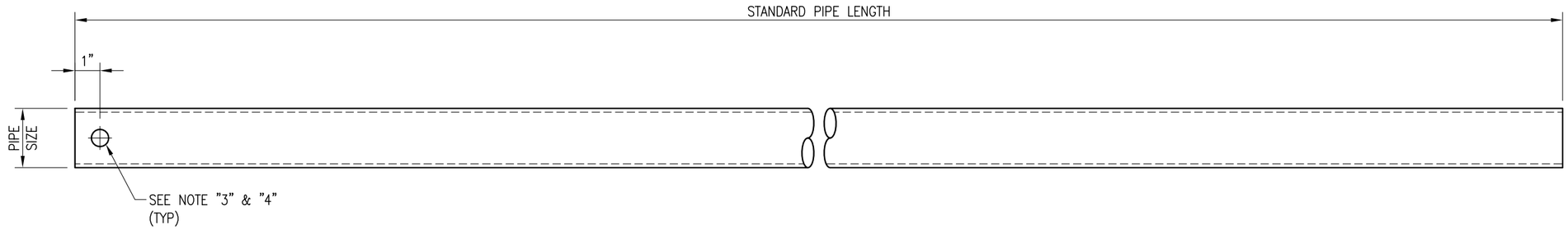
SHEET TITLE:
VZWSMART–PLK5
KICKER KIT

SHEET NUMBER: VZWSMART–PLK5
REV #: 0



VZWSMART Standard Pipe		
VZWSMART Number	Size	Length
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL PIPE GRADE A53-B OR BETTER.
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

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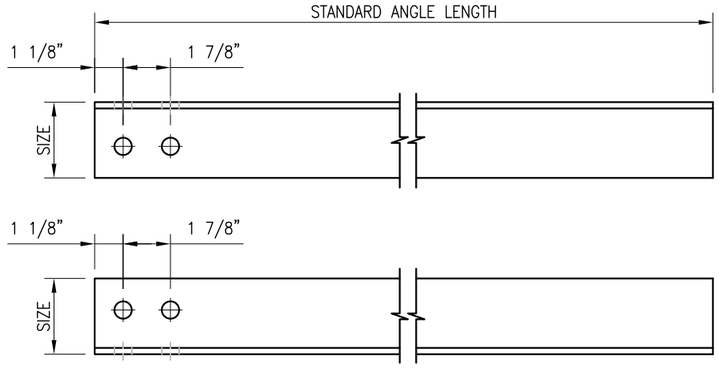
DRAWN BY: BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	08/04/21

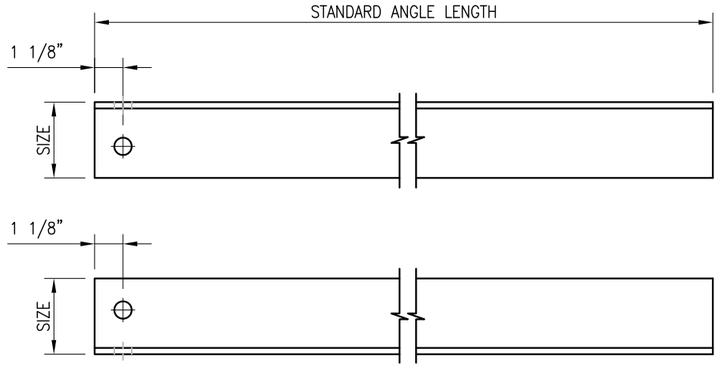
SHEET TITLE:
VZWSMART STANDARD PIPE

SHEET NUMBER: VZWSMART-PIPE

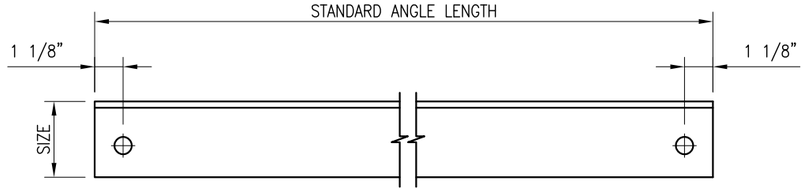
REV #: 0

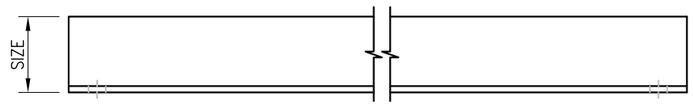


HOLE STYLE "A"

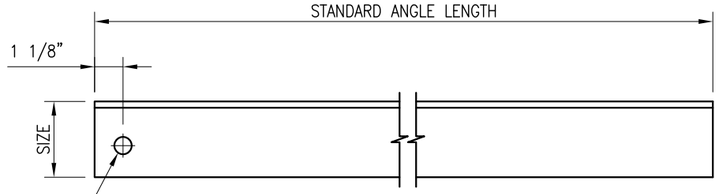


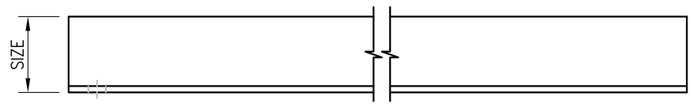
HOLE STYLE "B"





HOLE STYLE "C"





HOLE STYLE "D"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION ANGLES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL ANGLE GRADE A36 OR BETTER.
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

VZWSMART Standard Angle					
VZWSMART Number	Size	Length	Hole Style	Hole Gage	Also Used In:
A-PLK2-01	L 3" X 3" X 1/4"	96"	A	1-3/4"	VZWSMART-PLK2
A-PLK5-01	L 3"X 3" X 3/16"	96"	B	1-3/4"	VZWSMART-PLK5
A-SFK3-01	L 2-1/2" X 2-1/2" X 1/4"	96"	C	1-3/4"	VZWSMART-SFK3,-SFK3-SL, -PLK6, & -PLK8
A-L25X25X4X120	L 2-1/2" X 2-1/2" X 1/4"	120"	D	1-5/16"	
A-L25X25X4X240	L 2-1/2" X 2-1/2" X 1/4"	240"	D	1-5/16"	
A-L30X30X4X120	L 3" X 3" X 1/4"	120"	D	1-1/2"	
A-L30X30X4X240	L 3" X 3" X 1/4"	240"	D	1-1/2"	
A-L40X40X4X120	L 4" X 4" X 1/4"	120"	D	2"	
A-L40X40X4X240	L 4" X 4" X 1/4"	240"	D	2"	
A-L50X30X6X120	L 5" X 3" X 3/8"	120"	D	2-1/2"	
A-L50X50X6X120	L 5" X 5" X 3/8"	120"	D	2-1/2"	

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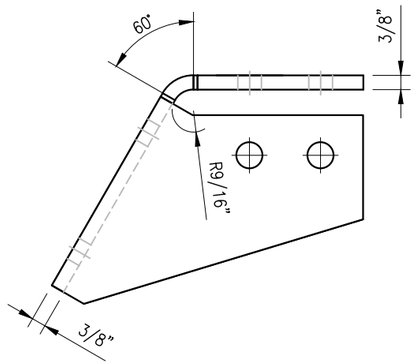
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	08/04/21

SHEET TITLE:

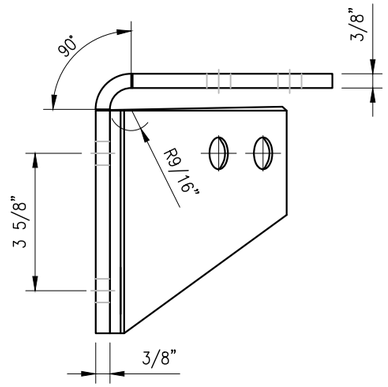
VZWSMART STANDARD ANGLE

SHEET NUMBER: VZWSMART-ANGLE

REV #: 0

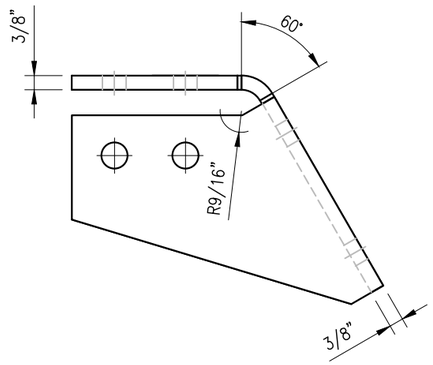


TOP VIEW

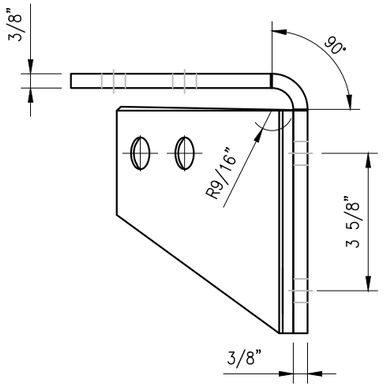


SIDE VIEW

CBP-L



TOP VIEW



SIDE VIEW

CBP-R

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK3 (SUPPORT RAIL CORNER BRACKET)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	CBP-L	CORNER BENT PLATE BRACKET	PLK3-F1	9
2	1	CBP-R	CORNER BENT PLATE BRACKET	PLK3-F1	9
3	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
4	8	---	BOLT 5/8" X 2" A325	---	3
5	16	FW-625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW-625	5/8" HDG LOCK WASHER	---	0
7	16	NUT-625	5/8" HDG HEX NUT	---	2
				GALVANIZED WT	30

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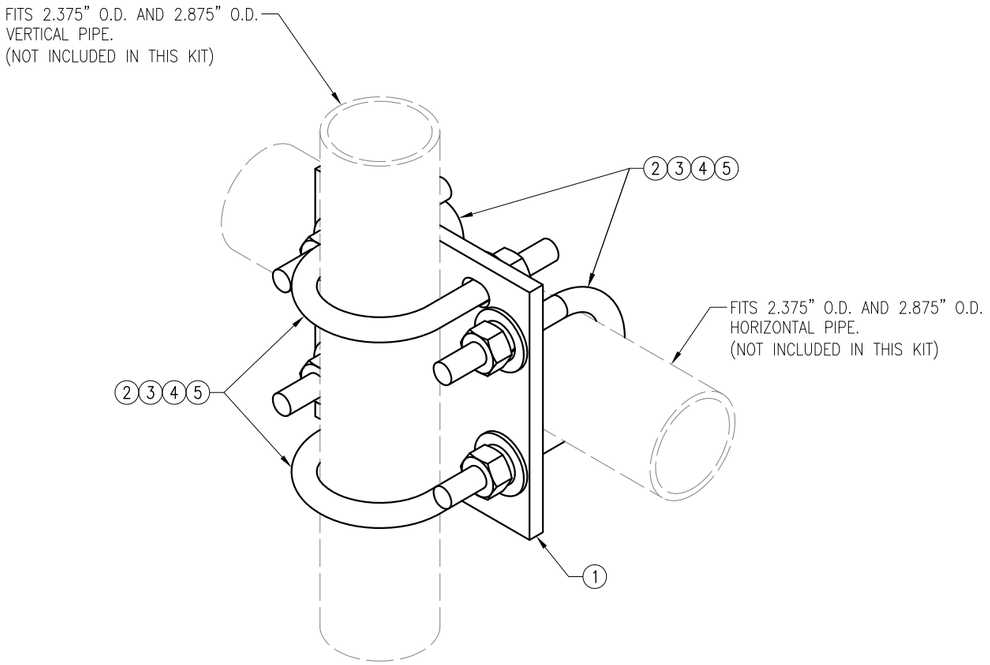
DRAWN BY: H.R | CHECKED BY: HMA

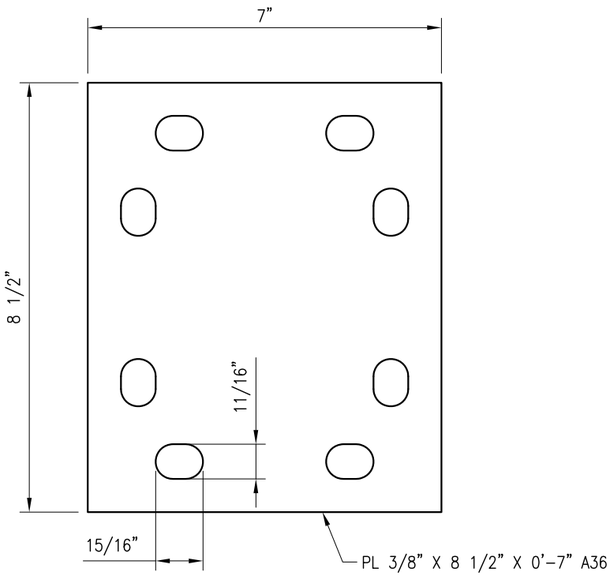
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-PLK3 SUPPORT RAIL CORNER BRACKET

SHEET NUMBER: VZWSMART-PLK3

REV #: 0





PL375-857

VZWSMART-MSK1 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDG LOCK WASHER	---	0
5	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	14

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

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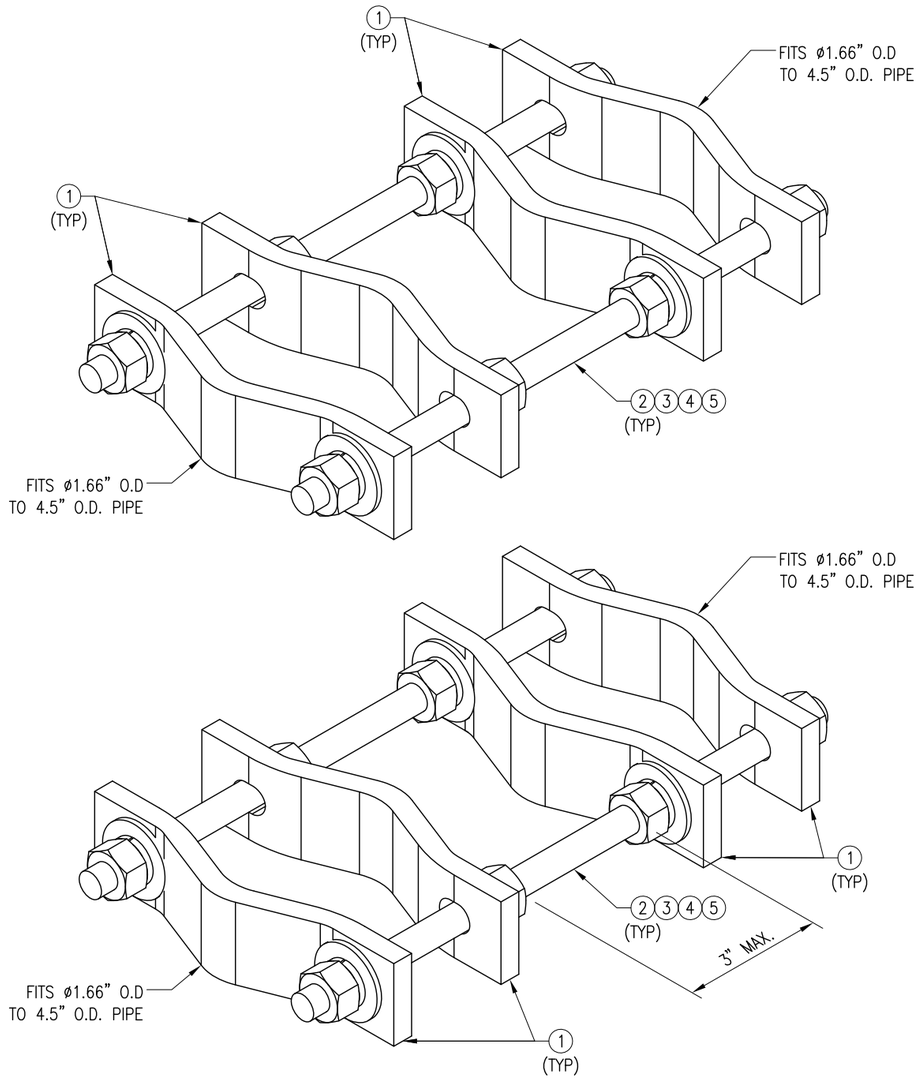
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK1

REV #: 0



VZWSMART–MSK3
PIPE TO PIPE CLAMPS

NOTES:
1. HOT–DIPPED GALVANIZED PER ASTM A123.
2. FITS UP TO 4 1/2" O.D. PIPE

VZWSMART–MSK3 (PIPE TO PIPE CLAMPS)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	8	VCP	PL 1/2" X 2" X 8 5/8" A36 BENT PLATE	MSK3–F1	20
2	4	---	THREADED ROD 5/8" DIA. X 1'–0" F1554–36 HDG	---	--
3	16	FW–625	5/8" HDG USS FLAT WASHER	---	1
4	16	LW–625	5/8" HDG LOCK WASHER	---	0
5	16	NUT–625	5/8" HDG HEX NUT	---	2
				GALVANIZED WT	20

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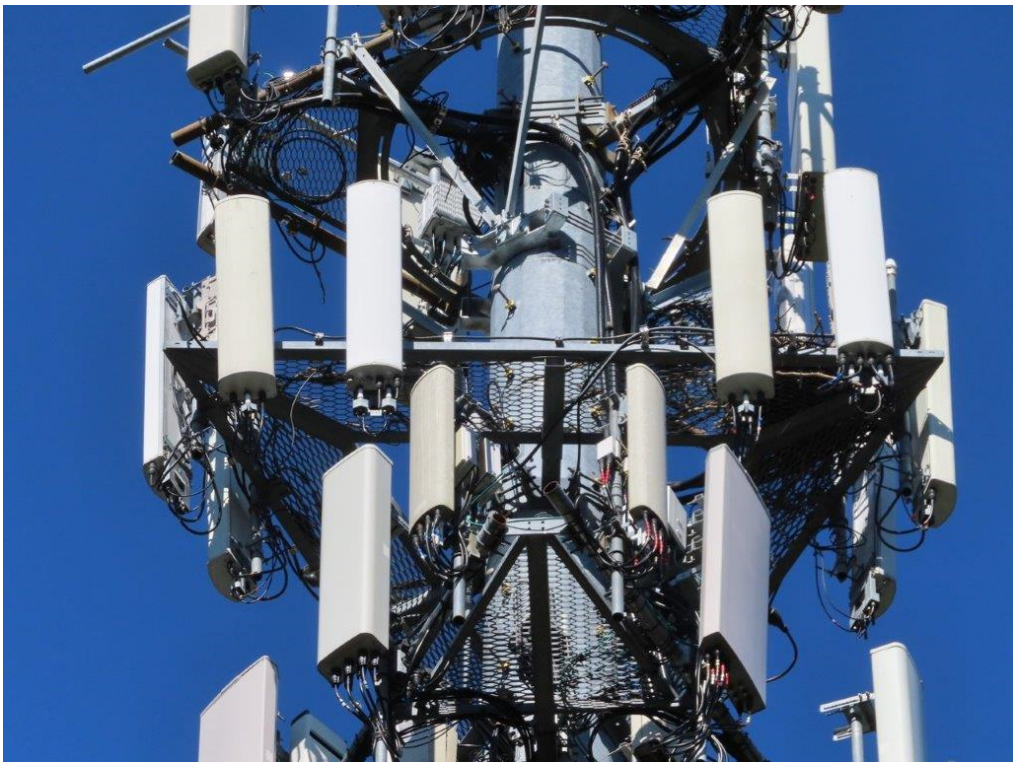
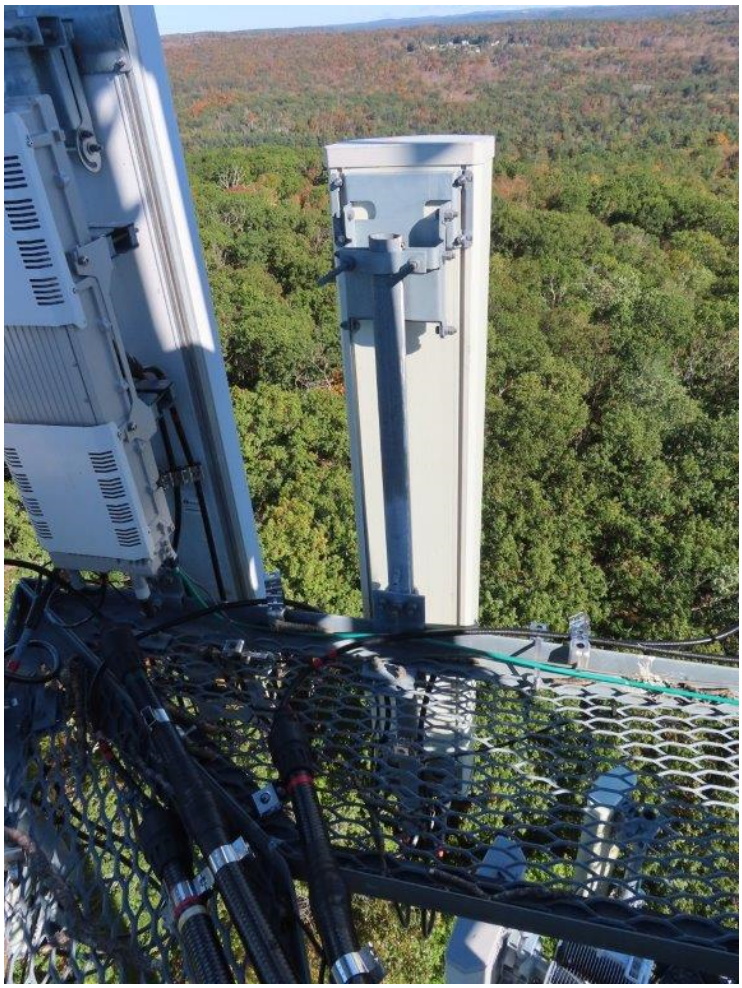
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/08/20

SHEET TITLE:
VZWSMART–MSK3
PIPE TO PIPE CLAMPS

SHEET NUMBER: VZWSMART–MSK3

REV #: 0





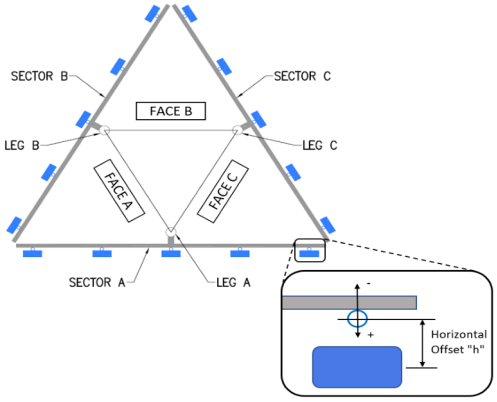
V4.0 Updated on 3-31-2021

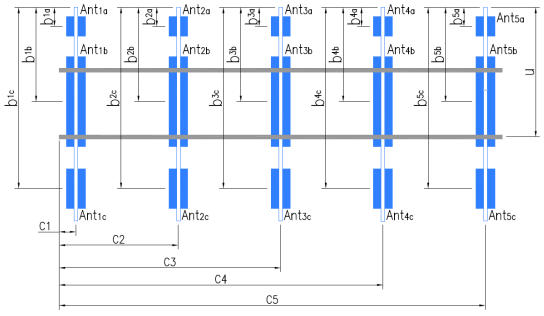
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	SBA	**Mapping Date:**	10/19/2021
Site Name:	COVENTRY S CT	**Tower Type:**	Monopole
Site Number or ID:	467541	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	147.16

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





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2.375Ø X .187 WALL X 66" LONG	50.00	17.00	C1	2.375Ø X .187 WALL X 66" LONG	50.00	17.00
A2	2.375Ø X .187 WALL X 72.5" LON	40.00	44.00	C2	2.375Ø X .187 WALL X 72.52" LONG	40.00	44.00
A3	2.375Ø X .187 WALL X 66" LONG	40.00	123.50	C3	2.375Ø X .187 WALL X 66" LONG	40.00	123.50
A4	2.375Ø X .187 WALL X 66" LONG	40.00	150.50	C4	2.375Ø X .187 WALL X 66" LONG	40.00	150.50
A5				C5			
A6				C6			
B1	2.375Ø X .187 WALL X 66" LONG	50.00	17.00	D1			
B2	2.375Ø X .187 WALL X 72.5" LON	40.00	44.00	D2			
B3	2.375Ø X .187 WALL X 66" LONG	40.00	123.50	D3			
B4	2.375Ø X .187 WALL X 66" LONG	40.00	150.50	D4			
B5				D5			
B6				D6			

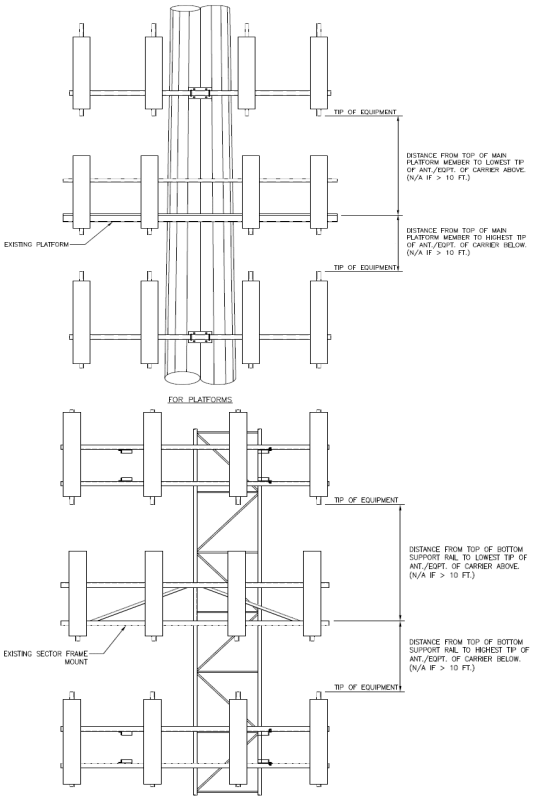
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	2.50
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	5
Please enter additional infomation or comments below.	
Tower Face Width at Mount Elev. (ft.):	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.): 22
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.	0.375

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}	B4 RRH 2X60-4R	11.00	5.50	36.00		149.118	24.00	-7.00		1,20
Ant_{1b}	HBXX-6517DS-A2M	12.00	6.50	75.00		148.452	32.00	8.00	30.00	1,19,102
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	LNX-6514DS-A1M	12.00	7.50	71.00		147.618	32.00	7.00	30.00	1,20,102
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	HBXX-6517DS-A2M	12.00	6.50	75.00		147.785	30.00	8.00	30.00	2,21,103
Ant_{3c}										
Ant_{4a}	GPS ANTENNA	6.00				149.035	15.00	-7.00		3
Ant_{4b}	LNX-6514DS-A1M	12.00	7.50	71.00		147.618	32.00	8.00	30.00	3,21,103
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

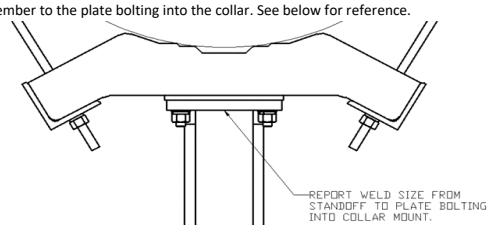
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	30.00	Deg	Leg A:		Deg
Sector B:	150.00	Deg	Leg B:		Deg
Sector C:	270.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	150.00 Deg	N/A
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.

Please insert a photo of the mount centerline measurement here.



For T-Arms/Platforms on monopoles, record the weld size from the main standoff member to the plate bolting into the collar. See below for reference.



Sector B										
Ant_{1a}	B4 RRH 2X60-4R	11.00	5.50	36.00		149.118	24.00	-7.00		5,20
Ant_{1b}	HBXX-6517DS-A2M	12.00	6.50	75.00		148.452	32.00	8.00	150.00	5,19,111
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	LNX-6514DS-A1M	12.00	7.50	71.00		147.618	32.00	7.00	150.00	6,20,111
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	HBXX-6517DS-A2M	12.00	6.50	75.00		147.785	30.00	8.00	150.00	7,21,113
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LNX-6514DS-A1M	12.00	7.50	71.00		147.618	32.00	8.00	150.00	8,21,113
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	B4 RRH 2X60-4R	11.00	5.50	36.00		149.118	24.00	-7.00		10,20
Ant_{1b}	HBXX-6517DS-A2M	12.00	6.50	75.00		148.452	32.00	8.00	270.00	10,19,119
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	LNX-6514DS-A1M	12.00	7.50	71.00		147.618	32.00	7.00	270.00	11,20,119
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	HBXX-6517DS-A2M	12.00	6.50	75.00		147.785	30.00	8.00	270.00	12,21,120
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LNX-6514DS-A1M	12.00	7.50	71.00		147.618	32.00	8.00	270.00	13,21,120
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	CLIMB CABLE TERMINATES AT THE LOWEST PLATFORM,step bolt anchor brackets are installed above lowest platform.	108/99/67/77
2		
3		
4		
5		
6		
7		
8		

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

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

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

V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

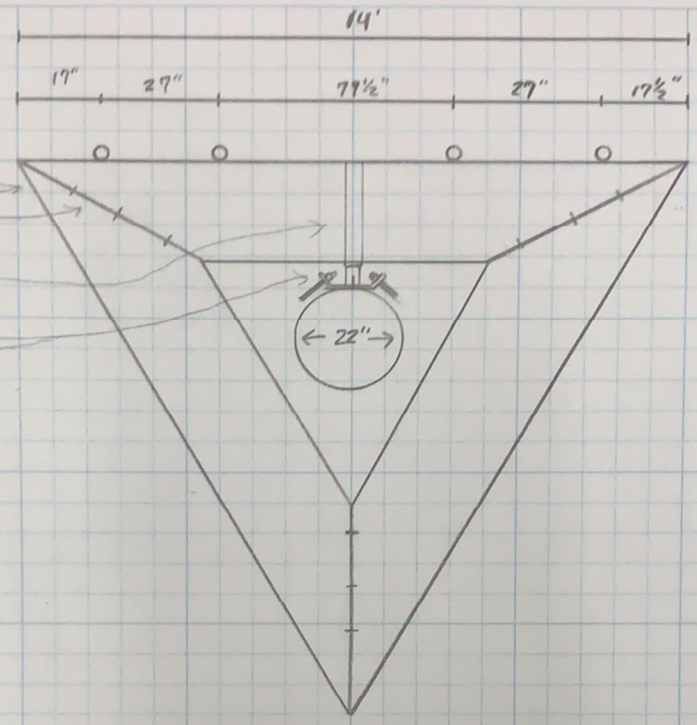
Tower Owner:	SBA	**Mapping Date:**	10/19/2021
Site Name:	COVENTRY S CT	**Tower Type:**	Monopole
Site Number or ID:	467541	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	147.16

Please Insert Sketches of the Antenna Mount

DATE: 10-19-21
Project Name: Coventry S CT
Project No.:
Design By: Josh Chk'd By: Page ____ of ____

HUDSON Design Group LLC

Mount #: 147'2"

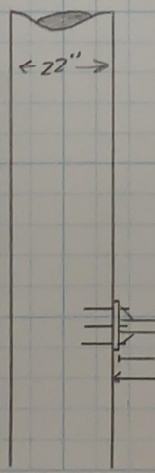


Ant. Pipes: 2 3"x3"x66"
Angles: 3"x3"x¼"
-Bolts: ½"
HSS: 4"x4"
Sleeve: 4½"x4½"x3/16"
Gusset: 4"x4"x⅜"
Collar: 12"x7/16"
-Bolts: 3/4"
Pole: 22"
Pole to Apex: 82½"
Pole to Face: 34½"

Inventory

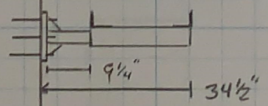
#1
HBXX-6517DS-A2M
-B4 RRH 2x60-4R

#2
LNX-6514DS-A1M



#3
HBXX-6517DS-A2M

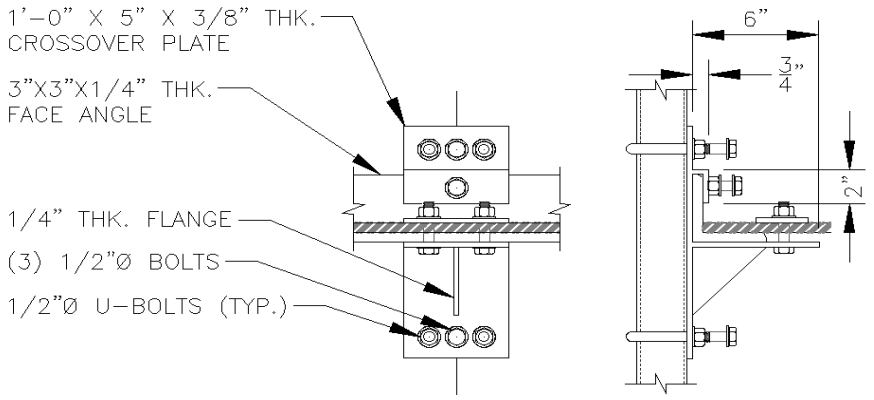
#4
LNX-6514DS-A1M



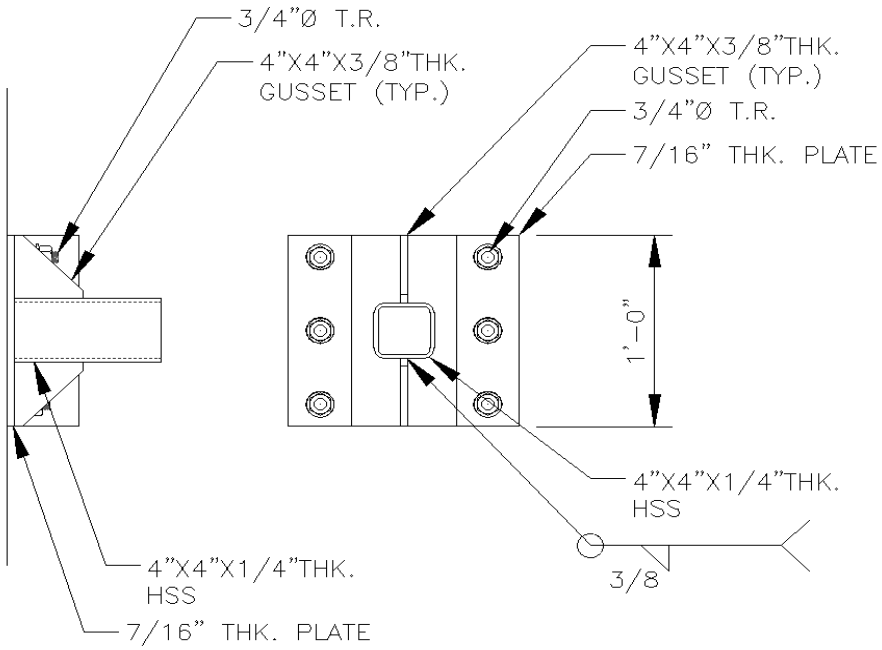
15732

(2) OVP banded to Pole

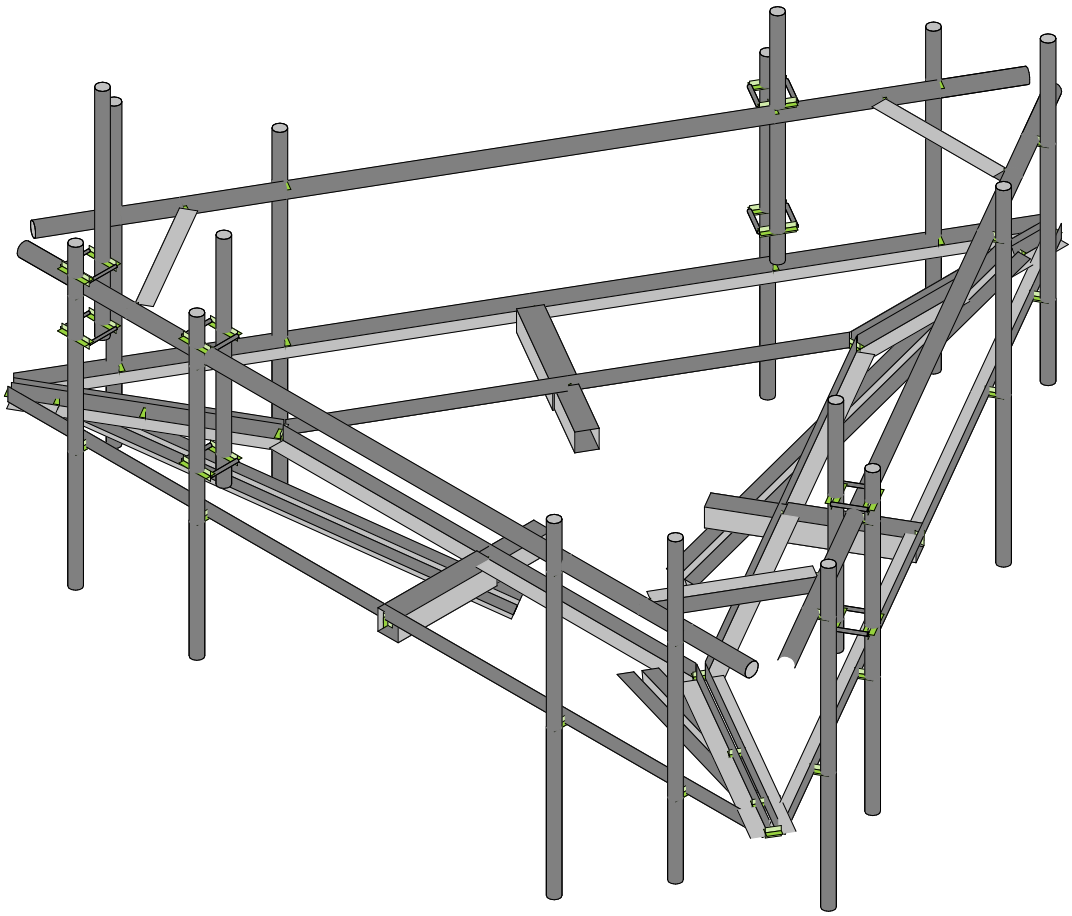
Please Insert Sketches of the Antenna Mount, cont'd



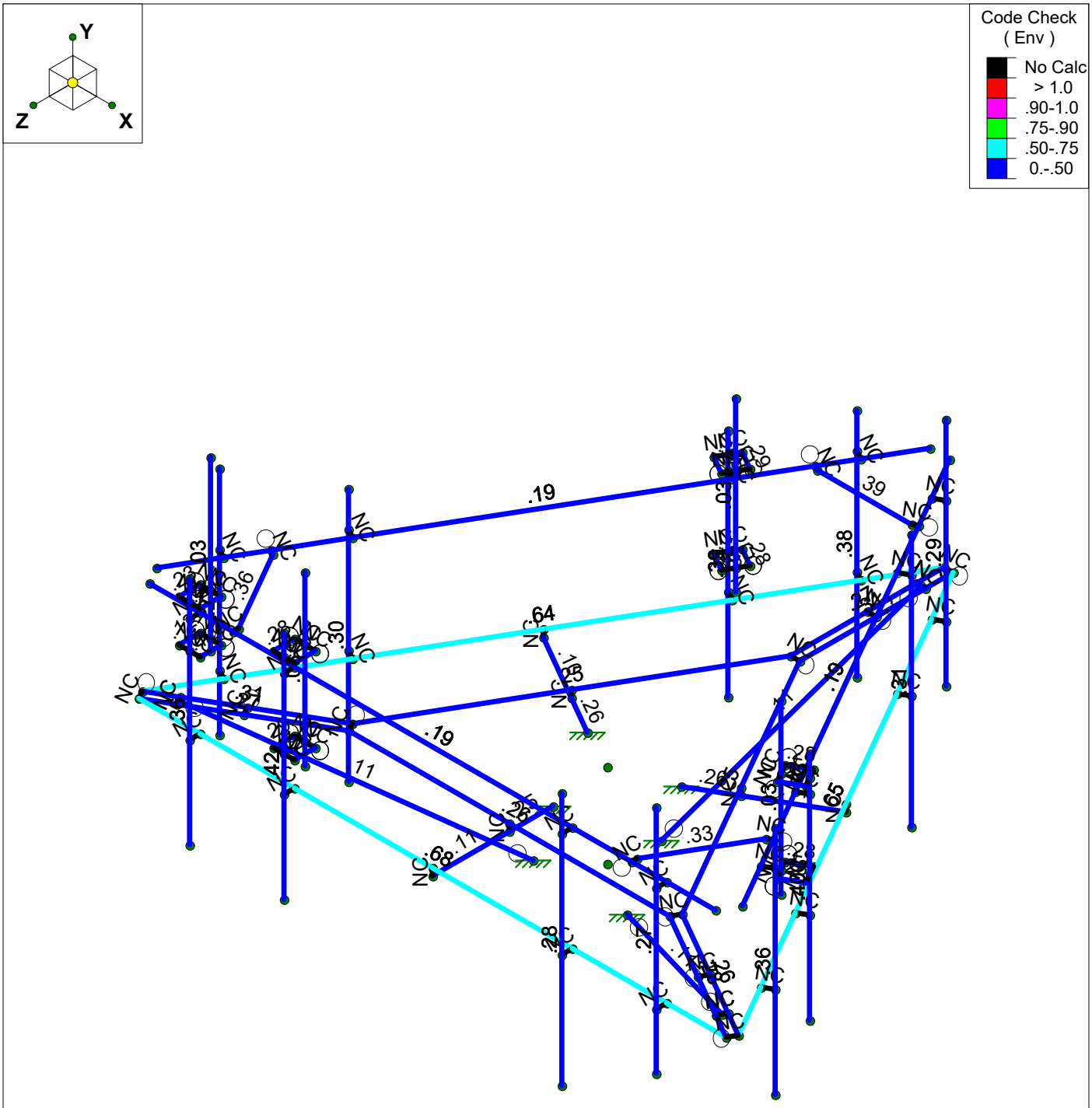
CROSSOVER PLATE DETAIL



RING MOUNT STANDOFF DETAIL

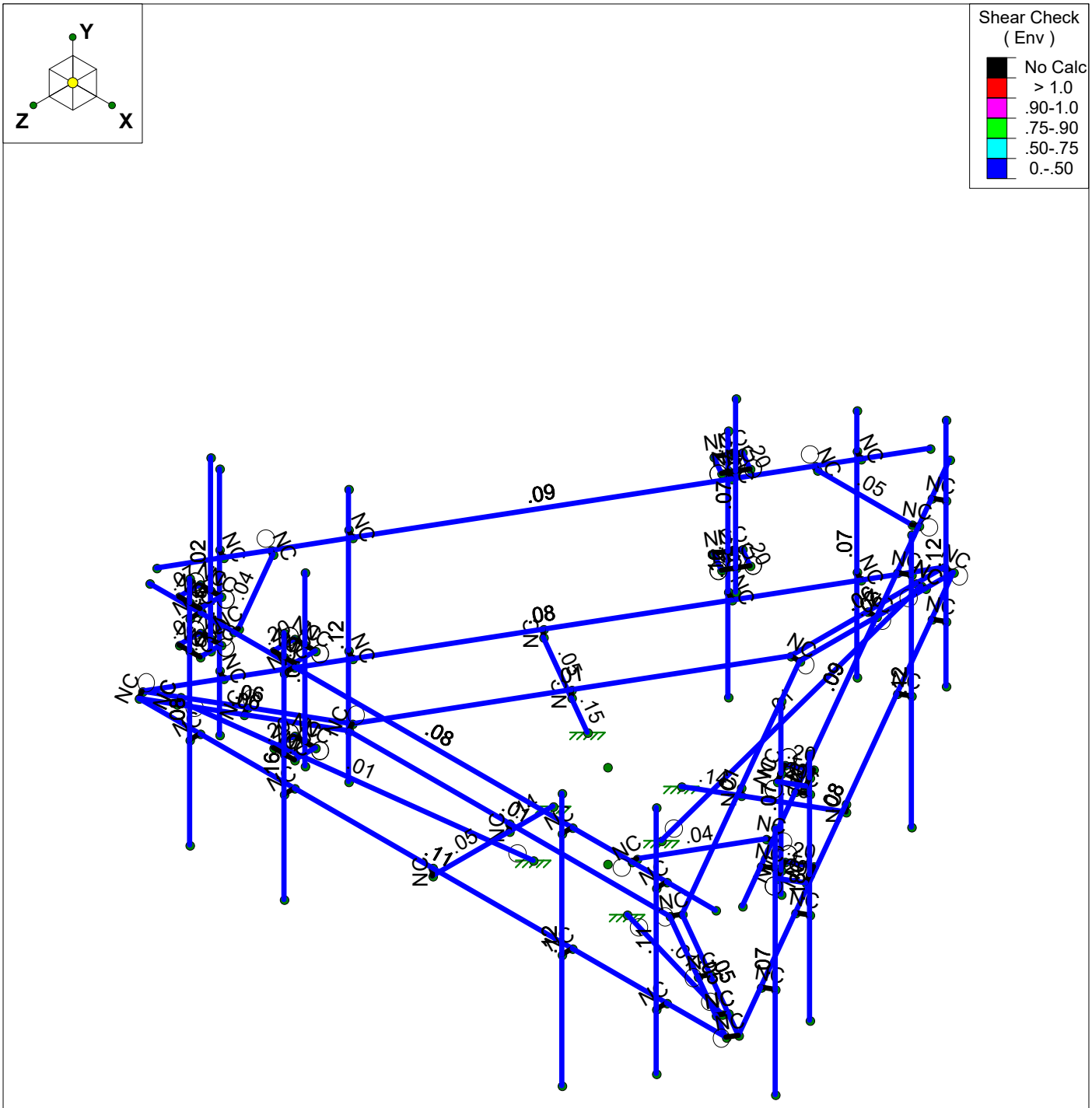


Colliers Engineering & De...	Mount Analysis	SK - 1
		July 26, 2023 at 4:41 PM
		5000397985-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...	Mount Analysis	SK - 6
		July 26, 2023 at 5:15 PM
		5000397985-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...	Mount Analysis	SK - 7
		July 26, 2023 at 5:15 PM
		5000397985-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					111			
2	Antenna Di	None					111			
3	Antenna Wo (0 Deg)	None					111			
4	Antenna Wo (30 Deg)	None					111			
5	Antenna Wo (60 Deg)	None					111			
6	Antenna Wo (90 Deg)	None					111			
7	Antenna Wo (120 Deg)	None					111			
8	Antenna Wo (150 Deg)	None					111			
9	Antenna Wo (180 Deg)	None					111			
10	Antenna Wo (210 Deg)	None					111			
11	Antenna Wo (240 Deg)	None					111			
12	Antenna Wo (270 Deg)	None					111			
13	Antenna Wo (300 Deg)	None					111			
14	Antenna Wo (330 Deg)	None					111			
15	Antenna Wi (0 Deg)	None					111			
16	Antenna Wi (30 Deg)	None					111			
17	Antenna Wi (60 Deg)	None					111			
18	Antenna Wi (90 Deg)	None					111			
19	Antenna Wi (120 Deg)	None					111			
20	Antenna Wi (150 Deg)	None					111			
21	Antenna Wi (180 Deg)	None					111			
22	Antenna Wi (210 Deg)	None					111			
23	Antenna Wi (240 Deg)	None					111			
24	Antenna Wi (270 Deg)	None					111			
25	Antenna Wi (300 Deg)	None					111			
26	Antenna Wi (330 Deg)	None					111			
27	Antenna Wm (0 Deg)	None					111			
28	Antenna Wm (30 Deg)	None					111			
29	Antenna Wm (60 Deg)	None					111			
30	Antenna Wm (90 Deg)	None					111			
31	Antenna Wm (120 De...	None					111			
32	Antenna Wm (150 De...	None					111			
33	Antenna Wm (180 De...	None					111			
34	Antenna Wm (210 De...	None					111			
35	Antenna Wm (240 De...	None					111			
36	Antenna Wm (270 De...	None					111			
37	Antenna Wm (300 De...	None					111			
38	Antenna Wm (330 De...	None					111			
39	Structure D	None		-1					3	
40	Structure Di	None						59	3	
41	Structure Wo (0 Deg)	None						118		
42	Structure Wo (30 Deg)	None						118		
43	Structure Wo (60 Deg)	None						118		
44	Structure Wo (90 Deg)	None						118		
45	Structure Wo (120 D...	None						118		
46	Structure Wo (150 D...	None						118		
47	Structure Wo (180 D...	None						118		
48	Structure Wo (210 D...	None						118		
49	Structure Wo (240 D...	None						118		
50	Structure Wo (270 D...	None						118		
51	Structure Wo (300 D...	None						118		
52	Structure Wo (330 D...	None						118		
53	Structure Wi (0 Deg)	None						118		
54	Structure Wi (30 Deg)	None						118		
55	Structure Wi (60 Deg)	None						118		
56	Structure Wi (90 Deg)	None						118		
57	Structure Wi (120 De...	None						118		
58	Structure Wi (150 De...	None						118		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
59	Structure Wi (180 De...	None						118		
60	Structure Wi (210 De...	None						118		
61	Structure Wi (240 De...	None						118		
62	Structure Wi (270 De...	None						118		
63	Structure Wi (300 De...	None						118		
64	Structure Wi (330 De...	None						118		
65	Structure Wm (0 Deg)	None						118		
66	Structure Wm (30 De...	None						118		
67	Structure Wm (60 De...	None						118		
68	Structure Wm (90 De...	None						118		
69	Structure Wm (120 D...	None						118		
70	Structure Wm (150 D...	None						118		
71	Structure Wm (180 D...	None						118		
72	Structure Wm (210 D...	None						118		
73	Structure Wm (240 D...	None						118		
74	Structure Wm (270 D...	None						118		
75	Structure Wm (300 D...	None						118		
76	Structure Wm (330 D...	None						118		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					111			
82	Antenna Eh (0 Deg)	None					74			
83	Antenna Eh (90 Deg)	None					74			
84	Structure Ev	ELY		-.042					3	
85	Structure Eh (0 Deg)	ELZ			-.104				3	
86	Structure Eh (90 Deg)	ELX	.104						3	
87	BLC 39 Transient Are...	None						33		
88	BLC 40 Transient Are...	None						33		
89	BLC 84 Transient Are...	None						33		
90	BLC 85 Transient Are...	None						33		
91	BLC 86 Transient Are...	None						33		

Load Combinations

	Description	Sol..	PD..	SR..	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
1	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..
22	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	-0.166667	-0.083333	0	
2	N2	7	0	-0.083333	0	
3	N3	-7	0	-0.083333	0	
4	N4	0	0	-1.915667	0	
5	N7	0	-0.166667	-2.958333	0	
6	N8	0	0	-4.25	0	
7	N23A	0	0	-0.083333	0	
8	N26	0	-0.166667	-1.915667	0	
9	N11	3.608439	-0.166667	-6.333333	0	
10	N12	0.108439	0	-12.395511	0	
11	N13	7.108439	0	-0.271156	0	
12	N19	3.608439	0	-6.333333	0	
13	N21	-3.608439	-0.166667	-6.333333	0	
14	N22	-7.108439	0	-0.271156	0	
15	N23	-0.108439	0	-12.395511	0	
16	N29	-3.608439	0	-6.333333	0	
17	N29A	0.108439	0	-8.730844	0	
18	N30A	-0.108439	0	-8.730844	0	
19	N34	-3.934745	0	-2.103489	0	
20	N35	-3.826306	0	-1.915667	0	
21	N39	3.826306	0	-1.915667	0	
22	N40	3.934745	0	-2.103489	0	
23	N29B	0.108439	0	-10.563178	0	
24	N30B	-0.108439	0	-10.563178	0	
25	N36	-5.521592	0	-1.187322	0	
26	N37	-5.413153	0	-0.9995	0	
27	N43	5.413153	0	-0.9995	0	
28	N44	5.521592	0	-1.187322	0	
29	N35A	5.583333	0	-0.083333	0	
30	N36B	5.583333	0	0.166667	0	
31	N37A	5.583333	4.166667	0.166667	0	
32	N38	5.583333	-1.333333	0.166667	0	
33	N39A	3.333333	0	-0.083333	0	
34	N40A	3.333333	0	0.166667	0	
35	N41	3.333333	3.333333	0.166667	0	
36	N42	3.333333	-2.708333	0.166667	0	
37	N43A	-3.291667	0	-0.083333	0	
38	N44A	-3.291667	0	0.166667	0	
39	N45	-3.291667	3.333333	0.166667	0	
40	N46	-3.291667	-2.175	0.166667	0	
41	N47	-5.541667	0	-0.083333	0	
42	N48	-5.541667	0	0.166667	0	
43	N49	-5.541667	3.333333	0.166667	0	
44	N50	-5.541667	-2.175	0.166667	0	
45	N52	0.816773	0	-11.168642	0	
46	N53	1.033279	0	-11.293642	0	
47	N54	1.033279	4.166667	-11.293642	0	
48	N55	1.033279	-1.333333	-11.293642	0	
49	N56	1.941773	0	-9.220085	0	
50	N57	2.158279	0	-9.345085	0	
51	N58	2.158279	3.333333	-9.345085	0	
52	N59	2.158279	-2.708333	-9.345085	0	
53	N60	5.254273	0	-3.482666	0	
54	N61	5.470779	0	-3.607666	0	
55	N62	5.470779	3.333333	-3.607666	0	
56	N63	5.470779	-2.175	-3.607666	0	
57	N64	6.379273	0	-1.534109	0	
58	N65	6.595779	0	-1.659109	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
59	N66	6.595779	3.333333	-1.659109	0	
60	N67	6.595779	-2.175	-1.659109	0	
61	N69	-6.400106	0	-1.498025	0	
62	N70	-6.616612	0	-1.623025	0	
63	N71	-6.616612	4.166667	-1.623025	0	
64	N72	-6.616612	-1.333333	-1.623025	0	
65	N73	-5.275106	0	-3.446582	0	
66	N74	-5.491612	0	-3.571582	0	
67	N75	-5.491612	3.333333	-3.571582	0	
68	N76	-5.491612	-2.708333	-3.571582	0	
69	N77	-1.962606	0	-9.184	0	
70	N78	-2.179112	0	-9.309	0	
71	N79	-2.179112	3.333333	-9.309	0	
72	N80	-2.179112	-2.175	-9.309	0	
73	N81	-0.837606	0	-11.132557	0	
74	N82	-1.054112	0	-11.257557	0	
75	N83	-1.054112	3.333333	-11.257557	0	
76	N84	-1.054112	-2.175	-11.257557	0	
77	N83A	-5.541667	2.833333	0.166667	0	
78	N84A	-5.541667	1.833333	0.166667	0	
79	N85	-5.291667	2.833333	0.166667	0	
80	N86	-5.291667	1.833333	0.166667	0	
81	N87	-5.791667	2.833333	0.166667	0	
82	N88	-5.791667	1.833333	0.166667	0	
83	N89	-5.291667	2.833333	-0.333333	0	
84	N90	-5.291667	1.833333	-0.333333	0	
85	N91	-5.791667	2.833333	-0.333333	0	
86	N92	-5.791667	1.833333	-0.333333	0	
87	N93	-5.541667	2.833333	-0.333333	0	
88	N94	-5.541667	1.833333	-0.333333	0	
89	N95	-5.541667	1.583333	-0.333333	0	
90	N96	-5.541667	5.583333	-0.333333	0	
91	N97	6.75	2.5	-0.083333	0	
92	N98	-6.75	2.5	-0.083333	0	
93	N99	5.583333	2.5	-0.083333	0	
94	N100	5.583333	2.5	0.166667	0	
95	N101	3.333333	2.5	-0.083333	0	
96	N102	3.333333	2.5	0.166667	0	
97	N103	-3.291667	2.5	-0.083333	0	
98	N104	-3.291667	2.5	0.166667	0	
99	N105	-5.541667	2.5	-0.083333	0	
100	N106	-5.541667	2.5	0.166667	0	
101	N108	0.233439	2.5	-12.179005	0	
102	N109	6.983439	2.5	-0.487662	0	
103	N110	0.816773	2.5	-11.168642	0	
104	N111	1.033279	2.5	-11.293642	0	
105	N112	1.941773	2.5	-9.220085	0	
106	N113	2.158279	2.5	-9.345085	0	
107	N114	5.254273	2.5	-3.482666	0	
108	N115	5.470779	2.5	-3.607666	0	
109	N116	6.379273	2.5	-1.534109	0	
110	N117	6.595779	2.5	-1.659109	0	
111	N119	-6.983439	2.5	-0.487662	0	
112	N120	-0.233439	2.5	-12.179005	0	
113	N121	-6.400106	2.5	-1.498025	0	
114	N122	-6.616612	2.5	-1.623025	0	
115	N123	-5.275106	2.5	-3.446582	0	
116	N124	-5.491612	2.5	-3.571582	0	
117	N125	-1.962606	2.5	-9.184	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
118	N126	-2.179112	2.5	-9.309	0	
119	N127	-0.837606	2.5	-11.132557	0	
120	N128	-1.054112	2.5	-11.257557	0	
121	N127A	-4.75	2.5	-0.083333	0	
122	N128A	4.75	2.5	-0.083333	0	
123	N129	-4.75	2.5	-0.208333	0	
124	N130	4.75	2.5	-0.208333	0	
125	N132	5.983439	2.5	-2.219713	0	
126	N133	1.233439	2.5	-10.446954	0	
127	N134	5.875186	2.5	-2.157213	0	
128	N135	1.125186	2.5	-10.384454	0	
129	N137	-1.233439	2.5	-10.446954	0	
130	N138	-5.983439	2.5	-2.219713	0	
131	N139	-1.125186	2.5	-10.384454	0	
132	N140	-5.875186	2.5	-2.157213	0	
133	N134A	2.021592	0	-5.417167	0	
134	N135A	1.118616	-0.166667	-4.895833	0	
135	N137A	2.021592	-0.166667	-5.417167	0	
136	N139A	-2.021592	0	-5.417167	0	
137	N140A	-1.118616	-0.166667	-4.895833	0	
138	N142	-2.021592	-0.166667	-5.417167	0	
139	N139B	0.108439	0	-11.730844	0	
140	N140B	-0.108439	0	-11.730844	0	
141	N141	0	0	-11.730844	0	
142	N142A	-0.	-2.166667	-5.541667	0	
143	N143	0	-2	-4.25	0	
144	N144	-1.118616	-2.166667	-3.604167	0	
145	N145	1.118616	-2.166667	-3.604167	0	
146	N147	-6.532821	0	-0.603489	0	
147	N148	-6.424382	0	-0.415667	0	
148	N149	-6.478601	0	-0.509578	0	
149	N152	6.424382	0	-0.415667	0	
150	N153	6.532821	0	-0.603489	0	
151	N154	6.478601	0	-0.509578	0	
152	N152A	-3.291667	2.833333	0.166667	0	
153	N153A	-3.041667	2.833333	0.166667	0	
154	N154A	-3.541667	2.833333	0.166667	0	
155	N155	-3.041667	2.833333	-0.333333	0	
156	N156	-3.541667	2.833333	-0.333333	0	
157	N157	-3.291667	2.833333	-0.333333	0	
158	N158	-3.291667	0.833333	0.166667	0	
159	N159	-3.041667	0.833333	0.166667	0	
160	N160	-3.541667	0.833333	0.166667	0	
161	N161	-3.041667	0.833333	-0.333333	0	
162	N162	-3.541667	0.833333	-0.333333	0	
163	N163	-3.291667	0.833333	-0.333333	0	
164	N164	-3.291667	0.333333	-0.333333	0	
165	N165	-3.291667	4.333333	-0.333333	0	
166	N167	5.470779	2.833333	-3.607666	0	
167	N168	5.345779	2.833333	-3.824173	0	
168	N169	5.595779	2.833333	-3.39116	0	
169	N170	4.912766	2.833333	-3.574173	0	
170	N171	5.162766	2.833333	-3.14116	0	
171	N172	5.037766	2.833333	-3.357666	0	
172	N173	5.470779	0.833333	-3.607666	0	
173	N174	5.345779	0.833333	-3.824173	0	
174	N175	5.595779	0.833333	-3.39116	0	
175	N176	4.912766	0.833333	-3.574173	0	
176	N177	5.162766	0.833333	-3.14116	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
177	N178	5.037766	0.833333	-3.357666	0	
178	N179	5.037766	0.333333	-3.357666	0	
179	N180	5.037766	4.333333	-3.357666	0	
180	N182	-2.179112	2.833333	-9.309	0	
181	N183	-2.304112	2.833333	-9.092494	0	
182	N184	-2.054112	2.833333	-9.525507	0	
183	N185	-1.871099	2.833333	-8.842494	0	
184	N186	-1.621099	2.833333	-9.275507	0	
185	N187	-1.746099	2.833333	-9.059	0	
186	N188	-2.179112	0.833333	-9.309	0	
187	N189	-2.304112	0.833333	-9.092494	0	
188	N190	-2.054112	0.833333	-9.525507	0	
189	N191	-1.871099	0.833333	-8.842494	0	
190	N192	-1.621099	0.833333	-9.275507	0	
191	N193	-1.746099	0.833333	-9.059	0	
192	N194	-1.746099	0.333333	-9.059	0	
193	N195	-1.746099	4.333333	-9.059	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Back Standо...	HSS4X4X4	Beam	Tube	A500 Gr. B 46	Typical	3.37	7.8	7.8	12.8
2	Platform An...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
3	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
4	Front Stand...	HSS4.5X4.5...	Beam	Tube	A500 Gr. B 46	Typical	2.93	9.02	9.02	14.4
5	Threaded Rod	SR_0.5	Beam	BAR	A36 Gr.36	Typical	.196	.003	.003	.006
6	MOD Suppo...	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
7	MOD Corner..	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
8	MOD Kicker	LL3x3x3x6	Column	Double Angl...	A36 Gr.36	Typical	2.18	4.97	1.9	.027
9	MOD Thread...	SR_0.625	Beam	BAR	A36 Gr.36	Typical	.307	.007	.007	.015
10	MOD Equip...	PIPE_2.0	Column	Pipe	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]	Ry	Fu[ksi]	Rt
1	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
2	A53 Gr. B	29000	11154	.3	.65	.49	35	1.5	60	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
5	A500 Gr. B 42	29000	11154	.3	.65	.49	42	1.4	58	1.3
6	A500 Gr. B 46	29000	11154	.3	.65	.49	46	1.4	58	1.3

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N2		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
2	M3	N39	N35		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
3	M5	N7	N26			Back Standoff ...	Beam	Tube	A500 Gr. ...	Typical
4	M22	N23A	N1			RIGID	None	None	RIGID	Typical
5	M23	N4	N26			RIGID	None	None	RIGID	Typical
6	M8	N26	N1			Front Standoff ...	Beam	Tube	A500 Gr. ...	Typical
7	M9	N13	N12		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
8	M10	N12	N29A		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
9	M11	N29A	N40		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
10	M14	N19	N11			RIGID	None	None	RIGID	Typical
11	M17	N23	N22		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
12	M19	N34	N30A		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
13	M20	N30A	N23		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
14	M22A	N29	N21			RIGID	None	None	RIGID	Typical
15	M25	N23	N12			RIGID	None	None	RIGID	Typical
16	M26	N30A	N29A			RIGID	None	None	RIGID	Typical
17	M23B	N22	N34		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
18	M24A	N35	N3		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
19	M26A	N2	N39		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
20	M27	N40	N13		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
21	M29	N30B	N29B			RIGID	None	None	RIGID	Typical
22	M28	N3	N22			RIGID	None	None	RIGID	Typical
23	M29A	N35	N34			RIGID	None	None	RIGID	Typical
24	M30	N37	N36			RIGID	None	None	RIGID	Typical
25	M31	N13	N2			RIGID	None	None	RIGID	Typical
26	M32	N40	N39			RIGID	None	None	RIGID	Typical
27	M33	N44	N43			RIGID	None	None	RIGID	Typical
28	M34	N35A	N36B			RIGID	None	None	RIGID	Typical
29	MP1A	N37A	N38			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
30	M36	N39A	N40A			RIGID	None	None	RIGID	Typical
31	MP2A	N41	N42			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
32	M38	N43A	N44A			RIGID	None	None	RIGID	Typical
33	MP3A	N45	N46			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
34	M40	N47	N48			RIGID	None	None	RIGID	Typical
35	MP4A	N49	N50			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
36	M42	N52	N53			RIGID	None	None	RIGID	Typical
37	MP1C	N54	N55			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
38	M44	N56	N57			RIGID	None	None	RIGID	Typical
39	MP2C	N58	N59			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
40	M46	N60	N61			RIGID	None	None	RIGID	Typical
41	MP3C	N62	N63			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
42	M48	N64	N65			RIGID	None	None	RIGID	Typical
43	MP4C	N66	N67			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
44	M50	N69	N70			RIGID	None	None	RIGID	Typical
45	MP1B	N71	N72			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
46	M52	N73	N74			RIGID	None	None	RIGID	Typical
47	MP2B	N75	N76			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
48	M54	N77	N78			RIGID	None	None	RIGID	Typical
49	MP3B	N79	N80			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
50	M56	N81	N82			RIGID	None	None	RIGID	Typical
51	MP4B	N83	N84			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
52	M58	N87	N83A			RIGID	None	None	RIGID	Typical
53	M59	N83A	N85			RIGID	None	None	RIGID	Typical
54	M60	N88	N84A			RIGID	None	None	RIGID	Typical
55	M61	N84A	N86			RIGID	None	None	RIGID	Typical
56	M62	N87	N91			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
57	M63	N85	N89			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
58	M64	N88	N92			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
59	M65	N86	N90			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
60	M66	N91	N93			RIGID	None	None	RIGID	Typical
61	M67	N89	N93			RIGID	None	None	RIGID	Typical
62	M68	N92	N94			RIGID	None	None	RIGID	Typical
63	M69	N90	N94			RIGID	None	None	RIGID	Typical
64	GPS	N96	N95			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
65	M71	N98	N97		270	MOD Support ...	Beam	Pipe	A53 Gr. B	Typical
66	M72	N99	N100			RIGID	None	None	RIGID	Typical
67	M73	N101	N102			RIGID	None	None	RIGID	Typical
68	M74	N103	N104			RIGID	None	None	RIGID	Typical
69	M75	N105	N106			RIGID	None	None	RIGID	Typical
70	M76	N109	N108		270	MOD Support ...	Beam	Pipe	A53 Gr. B	Typical
71	M77	N110	N111			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
72	M78	N112	N113			RIGID	None	None	RIGID	Typical
73	M79	N114	N115			RIGID	None	None	RIGID	Typical
74	M80	N116	N117			RIGID	None	None	RIGID	Typical
75	M81	N120	N119		270	MOD Support ...	Beam	Pipe	A53 Gr. B	Typical
76	M82	N121	N122			RIGID	None	None	RIGID	Typical
77	M83	N123	N124			RIGID	None	None	RIGID	Typical
78	M84	N125	N126			RIGID	None	None	RIGID	Typical
79	M85	N127	N128			RIGID	None	None	RIGID	Typical
80	M86	N127A	N129			RIGID	None	None	RIGID	Typical
81	M87	N128A	N130			RIGID	None	None	RIGID	Typical
82	M88	N132	N134			RIGID	None	None	RIGID	Typical
83	M89	N133	N135			RIGID	None	None	RIGID	Typical
84	M90	N137	N139			RIGID	None	None	RIGID	Typical
85	M91	N138	N140			RIGID	None	None	RIGID	Typical
86	M92	N129	N140		90	MOD Corner A...	Beam	Single Angle	A36 Gr.36	Typical
87	M93	N134	N130		90	MOD Corner A...	Beam	Single Angle	A36 Gr.36	Typical
88	M94	N139	N135		90	MOD Corner A...	Beam	Single Angle	A36 Gr.36	Typical
89	M89A	N135A	N137A			Back Standoff ...	Beam	Tube	A500 Gr. ...	Typical
90	M90A	N134A	N137A			RIGID	None	None	RIGID	Typical
91	M91A	N137A	N11			Front Standoff ...	Beam	Tube	A500 Gr. ...	Typical
92	M92A	N140A	N142			Back Standoff ...	Beam	Tube	A500 Gr. ...	Typical
93	M93A	N139A	N142			RIGID	None	None	RIGID	Typical
94	M94A	N142	N21			Front Standoff ...	Beam	Tube	A500 Gr. ...	Typical
95	M95	N140B	N139B			RIGID	None	None	RIGID	Typical
96	M96	N141	N142A			MOD Kicker	Column	Double Angle (...	A36 Gr.36	Typical
97	M97	N148	N147			RIGID	None	None	RIGID	Typical
98	M98	N149	N144			MOD Kicker	Column	Double Angle (...	A36 Gr.36	Typical
99	M99	N153	N152			RIGID	None	None	RIGID	Typical
100	M100	N154	N145			MOD Kicker	Column	Double Angle (...	A36 Gr.36	Typical
101	M101	N154A	N152A			RIGID	None	None	RIGID	Typical
102	M102	N152A	N153A			RIGID	None	None	RIGID	Typical
103	M103	N154A	N156			MOD Threade...	Beam	BAR	A36 Gr.36	Typical
104	M104	N153A	N155			MOD Threade...	Beam	BAR	A36 Gr.36	Typical
105	M105	N156	N157			RIGID	None	None	RIGID	Typical
106	M106	N155	N157			RIGID	None	None	RIGID	Typical
107	M107	N160	N158			RIGID	None	None	RIGID	Typical
108	M108	N158	N159			RIGID	None	None	RIGID	Typical
109	M109	N160	N162			MOD Threade...	Beam	BAR	A36 Gr.36	Typical
110	M110	N159	N161			MOD Threade...	Beam	BAR	A36 Gr.36	Typical
111	M111	N162	N163			RIGID	None	None	RIGID	Typical
112	M112	N161	N163			RIGID	None	None	RIGID	Typical
113	RUA	N165	N164			MOD Equipme...	Column	Pipe	A53 Gr. B	Typical
114	M114	N169	N167			RIGID	None	None	RIGID	Typical
115	M115	N167	N168			RIGID	None	None	RIGID	Typical
116	M116	N169	N171			MOD Threade...	Beam	BAR	A36 Gr.36	Typical
117	M117	N168	N170			MOD Threade...	Beam	BAR	A36 Gr.36	Typical
118	M118	N171	N172			RIGID	None	None	RIGID	Typical
119	M119	N170	N172			RIGID	None	None	RIGID	Typical
120	M120	N175	N173			RIGID	None	None	RIGID	Typical
121	M121	N173	N174			RIGID	None	None	RIGID	Typical
122	M122	N175	N177			MOD Threade...	Beam	BAR	A36 Gr.36	Typical
123	M123	N174	N176			MOD Threade...	Beam	BAR	A36 Gr.36	Typical
124	M124	N177	N178			RIGID	None	None	RIGID	Typical
125	M125	N176	N178			RIGID	None	None	RIGID	Typical
126	RUC	N180	N179			MOD Equipme...	Column	Pipe	A53 Gr. B	Typical
127	M127	N184	N182			RIGID	None	None	RIGID	Typical
128	M128	N182	N183			RIGID	None	None	RIGID	Typical
129	M129	N184	N186			MOD Threade...	Beam	BAR	A36 Gr.36	Typical
130	M130	N183	N185			MOD Threade...	Beam	BAR	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
131	M131	N186	N187			RIGID	None	None	RIGID	Typical
132	M132	N185	N187			RIGID	None	None	RIGID	Typical
133	M133	N190	N188			RIGID	None	None	RIGID	Typical
134	M134	N188	N189			RIGID	None	None	RIGID	Typical
135	M135	N190	N192			MOD Threade...	Beam	BAR	A36 Gr.36	Typical
136	M136	N189	N191			MOD Threade...	Beam	BAR	A36 Gr.36	Typical
137	M137	N192	N193			RIGID	None	None	RIGID	Typical
138	M138	N191	N193			RIGID	None	None	RIGID	Typical
139	RUB	N195	N194			MOD Equipme...	Column	Pipe	A53 Gr. B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M3						Yes				None
3	M5						Yes				None
4	M22						Yes	** NA **			None
5	M23						Yes	** NA **			None
6	M8						Yes				None
7	M9						Yes				None
8	M10						Yes				None
9	M11						Yes				None
10	M14						Yes	** NA **			None
11	M17						Yes				None
12	M19						Yes				None
13	M20						Yes				None
14	M22A						Yes	** NA **			None
15	M25	OOOXOO					Yes	** NA **			None
16	M26	OOOXOO					Yes	** NA **			None
17	M23B						Yes				None
18	M24A						Yes				None
19	M26A						Yes				None
20	M27						Yes				None
21	M29	OOOXOO					Yes	** NA **			None
22	M28	OOOXOO					Yes	** NA **			None
23	M29A	OOOXOO					Yes	** NA **			None
24	M30	OOOXOO					Yes	** NA **			None
25	M31	OOOXOO					Yes	** NA **			None
26	M32	OOOXOO					Yes	** NA **			None
27	M33	OOOXOO					Yes	** NA **			None
28	M34						Yes	** NA **			None
29	MP1A						Yes	** NA **			None
30	M36						Yes	** NA **			None
31	MP2A						Yes	** NA **			None
32	M38						Yes	** NA **			None
33	MP3A						Yes	** NA **			None
34	M40						Yes	** NA **			None
35	MP4A						Yes	** NA **			None
36	M42						Yes	** NA **			None
37	MP1C						Yes	** NA **			None
38	M44						Yes	** NA **			None
39	MP2C						Yes	** NA **			None
40	M46						Yes	** NA **			None
41	MP3C						Yes	** NA **			None
42	M48						Yes	** NA **			None
43	MP4C						Yes	** NA **			None
44	M50						Yes	** NA **			None
45	MP1B						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
46	M52						Yes	** NA **			None
47	MP2B						Yes	** NA **			None
48	M54						Yes	** NA **			None
49	MP3B						Yes	** NA **			None
50	M56						Yes	** NA **			None
51	MP4B						Yes	** NA **			None
52	M58						Yes	** NA **			None
53	M59						Yes	** NA **			None
54	M60						Yes	** NA **			None
55	M61						Yes	** NA **			None
56	M62						Yes				None
57	M63						Yes				None
58	M64						Yes				None
59	M65						Yes				None
60	M66		OOOXOO				Yes	** NA **			None
61	M67		OOOXOO				Yes	** NA **			None
62	M68		OOOXOO				Yes	** NA **			None
63	M69		OOOXOO				Yes	** NA **			None
64	GPS						Yes	** NA **			None
65	M71						Yes				None
66	M72						Yes	** NA **			None
67	M73						Yes	** NA **			None
68	M74						Yes	** NA **			None
69	M75						Yes	** NA **			None
70	M76						Yes				None
71	M77						Yes	** NA **			None
72	M78						Yes	** NA **			None
73	M79						Yes	** NA **			None
74	M80						Yes	** NA **			None
75	M81						Yes				None
76	M82						Yes	** NA **			None
77	M83						Yes	** NA **			None
78	M84						Yes	** NA **			None
79	M85						Yes	** NA **			None
80	M86		OOOOOO				Yes	** NA **			None
81	M87		OOOOOO				Yes	** NA **			None
82	M88		OOOOOO				Yes	** NA **			None
83	M89		OOOOOO				Yes	** NA **			None
84	M90		OOOOOO				Yes	** NA **			None
85	M91		OOOOOO				Yes	** NA **			None
86	M92						Yes				None
87	M93						Yes				None
88	M94						Yes				None
89	M89A						Yes				None
90	M90A						Yes	** NA **			None
91	M91A						Yes				None
92	M92A						Yes				None
93	M93A						Yes	** NA **			None
94	M94A						Yes				None
95	M95						Yes	** NA **			None
96	M96	BenPIN	BenPIN				Yes	** NA **			None
97	M97						Yes	** NA **			None
98	M98	BenPIN	BenPIN				Yes	** NA **			None
99	M99						Yes	** NA **			None
100	M100	BenPIN	BenPIN				Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes				None
104	M104						Yes	Default			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
105	M105		OOOXOO				Yes	** NA **			None
106	M106		OOOXOO				Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108						Yes	** NA **			None
109	M109						Yes				None
110	M110						Yes	Default			None
111	M111		OOOXOO				Yes	** NA **			None
112	M112		OOOXOO				Yes	** NA **			None
113	RUA						Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes				None
117	M117						Yes	Default			None
118	M118		OOOXOO				Yes	** NA **			None
119	M119		OOOXOO				Yes	** NA **			None
120	M120						Yes	** NA **			None
121	M121						Yes	** NA **			None
122	M122						Yes				None
123	M123						Yes	Default			None
124	M124		OOOXOO				Yes	** NA **			None
125	M125		OOOXOO				Yes	** NA **			None
126	RUC						Yes	** NA **			None
127	M127						Yes	** NA **			None
128	M128						Yes	** NA **			None
129	M129						Yes				None
130	M130						Yes	Default			None
131	M131		OOOXOO				Yes	** NA **			None
132	M132		OOOXOO				Yes	** NA **			None
133	M133						Yes	** NA **			None
134	M134						Yes	** NA **			None
135	M135						Yes				None
136	M136						Yes	Default			None
137	M137		OOOXOO				Yes	** NA **			None
138	M138		OOOXOO				Yes	** NA **			None
139	RUB						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-21.85	.25
2	MP3A	My	-.011	.25
3	MP3A	Mz	-.013	.25
4	MP3A	Y	-21.85	5.25
5	MP3A	My	-.011	5.25
6	MP3A	Mz	-.013	5.25
7	MP3B	Y	-21.85	.25
8	MP3B	My	.017	.25
9	MP3B	Mz	-.003	.25
10	MP3B	Y	-21.85	5.25
11	MP3B	My	.017	5.25
12	MP3B	Mz	-.003	5.25
13	MP3C	Y	-21.85	.25
14	MP3C	My	-.006	.25
15	MP3C	Mz	.016	.25
16	MP3C	Y	-21.85	5.25
17	MP3C	My	-.006	5.25
18	MP3C	Mz	.016	5.25
19	MP3A	Y	-32.3	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP3A	My	-.016	.25
21	MP3A	Mz	.019	.25
22	MP3A	Y	-32.3	5.25
23	MP3A	My	-.016	5.25
24	MP3A	Mz	.019	5.25
25	MP3B	Y	-32.3	.25
26	MP3B	My	-.008	.25
27	MP3B	Mz	-.023	.25
28	MP3B	Y	-32.3	5.25
29	MP3B	My	-.008	5.25
30	MP3B	Mz	-.023	5.25
31	MP3C	Y	-32.3	.25
32	MP3C	My	.024	.25
33	MP3C	Mz	.005	.25
34	MP3C	Y	-32.3	5.25
35	MP3C	My	.024	5.25
36	MP3C	Mz	.005	5.25
37	MP1A	Y	-43.55	2
38	MP1A	My	-.022	2
39	MP1A	Mz	0	2
40	MP1A	Y	-43.55	4
41	MP1A	My	-.022	4
42	MP1A	Mz	0	4
43	MP1B	Y	-43.55	2
44	MP1B	My	.011	2
45	MP1B	Mz	-.019	2
46	MP1B	Y	-43.55	4
47	MP1B	My	.011	4
48	MP1B	Mz	-.019	4
49	MP1C	Y	-43.55	2
50	MP1C	My	.011	2
51	MP1C	Mz	.019	2
52	MP1C	Y	-43.55	4
53	MP1C	My	.011	4
54	MP1C	Mz	.019	4
55	MP4B	Y	-32	.25
56	MP4B	My	-.008	.25
57	MP4B	Mz	.014	.25
58	RUA	Y	-18.6	.25
59	RUA	My	.009	.25
60	RUA	Mz	0	.25
61	RUA	Y	-74.7	2.5
62	RUA	My	.037	2.5
63	RUA	Mz	0	2.5
64	MP2A	Y	-70.3	2
65	MP2A	My	.035	2
66	MP2A	Mz	0	2
67	MP2B	Y	-70.3	2
68	MP2B	My	-.018	2
69	MP2B	Mz	.03	2
70	MP2C	Y	-70.3	2
71	MP2C	My	-.018	2
72	MP2C	Mz	-.03	2
73	MP4A	Y	-16.55	.25
74	MP4A	My	-.008	.25
75	MP4A	Mz	0	.25
76	MP4A	Y	-16.55	5.25
77	MP4A	My	-.008	5.25
78	MP4A	Mz	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP4B	Y	-16.55	.25
80	MP4B	My	.004	.25
81	MP4B	Mz	-.007	.25
82	MP4B	Y	-16.55	5.25
83	MP4B	My	.004	5.25
84	MP4B	Mz	-.007	5.25
85	MP4C	Y	-16.55	.25
86	MP4C	My	.004	.25
87	MP4C	Mz	.007	.25
88	MP4C	Y	-16.55	5.25
89	MP4C	My	.004	5.25
90	MP4C	Mz	.007	5.25
91	GPS	Y	-.4	.25
92	GPS	My	0	.25
93	GPS	Mz	0	.25
94	RUB	Y	-18.6	.25
95	RUB	My	.009	.25
96	RUB	Mz	0	.25
97	RUB	Y	-74.7	2.5
98	RUB	My	.037	2.5
99	RUB	Mz	0	2.5
100	RUC	Y	-18.6	.25
101	RUC	My	.009	.25
102	RUC	Mz	0	.25
103	RUC	Y	-74.7	2.5
104	RUC	My	.037	2.5
105	RUC	Mz	0	2.5
106	MP3A	Y	-17.6	4
107	MP3A	My	.008	4
108	MP3A	Mz	-.004	4
109	MP3A	Y	-17.6	4
110	MP3A	My	-.008	4
111	MP3A	Mz	.004	4

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-61.008	.25
2	MP3A	My	-.031	.25
3	MP3A	Mz	-.036	.25
4	MP3A	Y	-61.008	5.25
5	MP3A	My	-.031	5.25
6	MP3A	Mz	-.036	5.25
7	MP3B	Y	-61.008	.25
8	MP3B	My	.046	.25
9	MP3B	Mz	-.009	.25
10	MP3B	Y	-61.008	5.25
11	MP3B	My	.046	5.25
12	MP3B	Mz	-.009	5.25
13	MP3C	Y	-61.008	.25
14	MP3C	My	-.016	.25
15	MP3C	Mz	.044	.25
16	MP3C	Y	-61.008	5.25
17	MP3C	My	-.016	5.25
18	MP3C	Mz	.044	5.25
19	MP3A	Y	-61.008	.25
20	MP3A	My	-.031	.25
21	MP3A	Mz	.036	.25
22	MP3A	Y	-61.008	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	My	-.031	5.25
24	MP3A	Mz	.036	5.25
25	MP3B	Y	-61.008	.25
26	MP3B	My	-.016	.25
27	MP3B	Mz	-.044	.25
28	MP3B	Y	-61.008	5.25
29	MP3B	My	-.016	5.25
30	MP3B	Mz	-.044	5.25
31	MP3C	Y	-61.008	.25
32	MP3C	My	.046	.25
33	MP3C	Mz	.009	.25
34	MP3C	Y	-61.008	5.25
35	MP3C	My	.046	5.25
36	MP3C	Mz	.009	5.25
37	MP1A	Y	-35.859	2
38	MP1A	My	-.018	2
39	MP1A	Mz	0	2
40	MP1A	Y	-35.859	4
41	MP1A	My	-.018	4
42	MP1A	Mz	0	4
43	MP1B	Y	-35.859	2
44	MP1B	My	.009	2
45	MP1B	Mz	-.016	2
46	MP1B	Y	-35.859	4
47	MP1B	My	.009	4
48	MP1B	Mz	-.016	4
49	MP1C	Y	-35.859	2
50	MP1C	My	.009	2
51	MP1C	Mz	.016	2
52	MP1C	Y	-35.859	4
53	MP1C	My	.009	4
54	MP1C	Mz	.016	4
55	MP4B	Y	-88.508	.25
56	MP4B	My	-.022	.25
57	MP4B	Mz	.038	.25
58	RUA	Y	-19.986	.25
59	RUA	My	.01	.25
60	RUA	Mz	0	.25
61	RUA	Y	-45.214	2.5
62	RUA	My	.023	2.5
63	RUA	Mz	0	2.5
64	MP2A	Y	-43.058	2
65	MP2A	My	.022	2
66	MP2A	Mz	0	2
67	MP2B	Y	-43.058	2
68	MP2B	My	-.011	2
69	MP2B	Mz	.019	2
70	MP2C	Y	-43.058	2
71	MP2C	My	-.011	2
72	MP2C	Mz	-.019	2
73	MP4A	Y	-61.008	.25
74	MP4A	My	-.031	.25
75	MP4A	Mz	0	.25
76	MP4A	Y	-61.008	5.25
77	MP4A	My	-.031	5.25
78	MP4A	Mz	0	5.25
79	MP4B	Y	-61.008	.25
80	MP4B	My	.015	.25
81	MP4B	Mz	-.026	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP4B	Y	-61.008	5.25
83	MP4B	My	.015	5.25
84	MP4B	Mz	-.026	5.25
85	MP4C	Y	-61.008	.25
86	MP4C	My	.015	.25
87	MP4C	Mz	.026	.25
88	MP4C	Y	-61.008	5.25
89	MP4C	My	.015	5.25
90	MP4C	Mz	.026	5.25
91	GPS	Y	-1.882	.25
92	GPS	My	0	.25
93	GPS	Mz	0	.25
94	RUB	Y	-19.986	.25
95	RUB	My	.01	.25
96	RUB	Mz	0	.25
97	RUB	Y	-45.214	2.5
98	RUB	My	.023	2.5
99	RUB	Mz	0	2.5
100	RUC	Y	-19.986	.25
101	RUC	My	.01	.25
102	RUC	Mz	0	.25
103	RUC	Y	-45.214	2.5
104	RUC	My	.023	2.5
105	RUC	Mz	0	2.5
106	MP3A	Y	-17.476	4
107	MP3A	My	.008	4
108	MP3A	Mz	-.004	4
109	MP3A	Y	-17.476	4
110	MP3A	My	-.008	4
111	MP3A	Mz	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.25
2	MP3A	Z	-124.885	.25
3	MP3A	Mx	.073	.25
4	MP3A	X	0	5.25
5	MP3A	Z	-124.885	5.25
6	MP3A	Mx	.073	5.25
7	MP3B	X	0	.25
8	MP3B	Z	-71.412	.25
9	MP3B	Mx	.01	.25
10	MP3B	X	0	5.25
11	MP3B	Z	-71.412	5.25
12	MP3B	Mx	.01	5.25
13	MP3C	X	0	.25
14	MP3C	Z	-71.412	.25
15	MP3C	Mx	-.052	.25
16	MP3C	X	0	5.25
17	MP3C	Z	-71.412	5.25
18	MP3C	Mx	-.052	5.25
19	MP3A	X	0	.25
20	MP3A	Z	-185.143	.25
21	MP3A	Mx	-.108	.25
22	MP3A	X	0	5.25
23	MP3A	Z	-185.143	5.25
24	MP3A	Mx	-.108	5.25
25	MP3B	X	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP3B	Z	-138.426	.25
27	MP3B	Mx	.1	.25
28	MP3B	X	0	5.25
29	MP3B	Z	-138.426	5.25
30	MP3B	Mx	.1	5.25
31	MP3C	X	0	.25
32	MP3C	Z	-138.426	.25
33	MP3C	Mx	-.02	.25
34	MP3C	X	0	5.25
35	MP3C	Z	-138.426	5.25
36	MP3C	Mx	-.02	5.25
37	MP1A	X	0	2
38	MP1A	Z	-90.157	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4
41	MP1A	Z	-90.157	4
42	MP1A	Mx	0	4
43	MP1B	X	0	2
44	MP1B	Z	-45.826	2
45	MP1B	Mx	.02	2
46	MP1B	X	0	4
47	MP1B	Z	-45.826	4
48	MP1B	Mx	.02	4
49	MP1C	X	0	2
50	MP1C	Z	-45.826	2
51	MP1C	Mx	-.02	2
52	MP1C	X	0	4
53	MP1C	Z	-45.826	4
54	MP1C	Mx	-.02	4
55	MP4B	X	0	.25
56	MP4B	Z	-119.596	.25
57	MP4B	Mx	-.052	.25
58	RUA	X	0	.25
59	RUA	Z	-33.119	.25
60	RUA	Mx	0	.25
61	RUA	X	0	2.5
62	RUA	Z	-71.297	2.5
63	RUA	Mx	0	2.5
64	MP2A	X	0	2
65	MP2A	Z	-71.297	2
66	MP2A	Mx	0	2
67	MP2B	X	0	2
68	MP2B	Z	-50.253	2
69	MP2B	Mx	-.022	2
70	MP2C	X	0	2
71	MP2C	Z	-50.253	2
72	MP2C	Mx	.022	2
73	MP4A	X	0	.25
74	MP4A	Z	-186.063	.25
75	MP4A	Mx	0	.25
76	MP4A	X	0	5.25
77	MP4A	Z	-186.063	5.25
78	MP4A	Mx	0	5.25
79	MP4B	X	0	.25
80	MP4B	Z	-138.656	.25
81	MP4B	Mx	.06	.25
82	MP4B	X	0	5.25
83	MP4B	Z	-138.656	5.25
84	MP4B	Mx	.06	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP4C	X	0	.25
86	MP4C	Z	-138.656	.25
87	MP4C	Mx	-.06	.25
88	MP4C	X	0	5.25
89	MP4C	Z	-138.656	5.25
90	MP4C	Mx	-.06	5.25
91	GPS	X	0	.25
92	GPS	Z	-4.715	.25
93	GPS	Mx	0	.25
94	RUB	X	0	.25
95	RUB	Z	-33.119	.25
96	RUB	Mx	0	.25
97	RUB	X	0	2.5
98	RUB	Z	-71.297	2.5
99	RUB	Mx	0	2.5
100	RUC	X	0	.25
101	RUC	Z	-33.119	.25
102	RUC	Mx	0	.25
103	RUC	X	0	2.5
104	RUC	Z	-71.297	2.5
105	RUC	Mx	0	2.5
106	MP3A	X	0	4
107	MP3A	Z	-36.467	4
108	MP3A	Mx	.009	4
109	MP3A	X	0	4
110	MP3A	Z	-36.467	4
111	MP3A	Mx	-.009	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	53.531	.25
2	MP3A	Z	-92.718	.25
3	MP3A	Mx	.027	.25
4	MP3A	X	53.531	5.25
5	MP3A	Z	-92.718	5.25
6	MP3A	Mx	.027	5.25
7	MP3B	X	26.794	.25
8	MP3B	Z	-46.409	.25
9	MP3B	Mx	.027	.25
10	MP3B	X	26.794	5.25
11	MP3B	Z	-46.409	5.25
12	MP3B	Mx	.027	5.25
13	MP3C	X	53.531	.25
14	MP3C	Z	-92.718	.25
15	MP3C	Mx	-.081	.25
16	MP3C	X	53.531	5.25
17	MP3C	Z	-92.718	5.25
18	MP3C	Mx	-.081	5.25
19	MP3A	X	84.785	.25
20	MP3A	Z	-146.853	.25
21	MP3A	Mx	-.128	.25
22	MP3A	X	84.785	5.25
23	MP3A	Z	-146.853	5.25
24	MP3A	Mx	-.128	5.25
25	MP3B	X	61.427	.25
26	MP3B	Z	-106.394	.25
27	MP3B	Mx	.061	.25
28	MP3B	X	61.427	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	-106.394	5.25
30	MP3B	Mx	.061	5.25
31	MP3C	X	84.785	.25
32	MP3C	Z	-146.853	.25
33	MP3C	Mx	.043	.25
34	MP3C	X	84.785	5.25
35	MP3C	Z	-146.853	5.25
36	MP3C	Mx	.043	5.25
37	MP1A	X	37.69	2
38	MP1A	Z	-65.281	2
39	MP1A	Mx	-.019	2
40	MP1A	X	37.69	4
41	MP1A	Z	-65.281	4
42	MP1A	Mx	-.019	4
43	MP1B	X	15.524	2
44	MP1B	Z	-26.889	2
45	MP1B	Mx	.016	2
46	MP1B	X	15.524	4
47	MP1B	Z	-26.889	4
48	MP1B	Mx	.016	4
49	MP1C	X	37.69	2
50	MP1C	Z	-65.281	2
51	MP1C	Mx	-.019	2
52	MP1C	X	37.69	4
53	MP1C	Z	-65.281	4
54	MP1C	Mx	-.019	4
55	MP4B	X	55.428	.25
56	MP4B	Z	-96.004	.25
57	MP4B	Mx	-.055	.25
58	RUA	X	14.374	.25
59	RUA	Z	-24.897	.25
60	RUA	Mx	.007	.25
61	RUA	X	32.716	2.5
62	RUA	Z	-56.666	2.5
63	RUA	Mx	.016	2.5
64	MP2A	X	32.141	2
65	MP2A	Z	-55.67	2
66	MP2A	Mx	.016	2
67	MP2B	X	21.619	2
68	MP2B	Z	-37.446	2
69	MP2B	Mx	-.022	2
70	MP2C	X	32.141	2
71	MP2C	Z	-55.67	2
72	MP2C	Mx	.016	2
73	MP4A	X	85.13	.25
74	MP4A	Z	-147.45	.25
75	MP4A	Mx	-.043	.25
76	MP4A	X	85.13	5.25
77	MP4A	Z	-147.45	5.25
78	MP4A	Mx	-.043	5.25
79	MP4B	X	61.427	.25
80	MP4B	Z	-106.394	.25
81	MP4B	Mx	.061	.25
82	MP4B	X	61.427	5.25
83	MP4B	Z	-106.394	5.25
84	MP4B	Mx	.061	5.25
85	MP4C	X	85.13	.25
86	MP4C	Z	-147.45	.25
87	MP4C	Mx	-.043	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP4C	X	85.13	5.25
89	MP4C	Z	-147.45	5.25
90	MP4C	Mx	-.043	5.25
91	GPS	X	2.932	.25
92	GPS	Z	-5.079	.25
93	GPS	Mx	0	.25
94	RUB	X	14.374	.25
95	RUB	Z	-24.897	.25
96	RUB	Mx	.007	.25
97	RUB	X	32.716	2.5
98	RUB	Z	-56.666	2.5
99	RUB	Mx	.016	2.5
100	RUC	X	14.374	.25
101	RUC	Z	-24.897	.25
102	RUC	Mx	.007	.25
103	RUC	X	32.716	2.5
104	RUC	Z	-56.666	2.5
105	RUC	Mx	.016	2.5
106	MP3A	X	10.542	4
107	MP3A	Z	-18.26	4
108	MP3A	Mx	.009	4
109	MP3A	X	10.542	4
110	MP3A	Z	-18.26	4
111	MP3A	Mx	-.009	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	61.845	.25
2	MP3A	Z	-35.706	.25
3	MP3A	Mx	-.01	.25
4	MP3A	X	61.845	5.25
5	MP3A	Z	-35.706	5.25
6	MP3A	Mx	-.01	5.25
7	MP3B	X	61.845	.25
8	MP3B	Z	-35.706	.25
9	MP3B	Mx	.052	.25
10	MP3B	X	61.845	5.25
11	MP3B	Z	-35.706	5.25
12	MP3B	Mx	.052	5.25
13	MP3C	X	108.154	.25
14	MP3C	Z	-62.443	.25
15	MP3C	Mx	-.073	.25
16	MP3C	X	108.154	5.25
17	MP3C	Z	-62.443	5.25
18	MP3C	Mx	-.073	5.25
19	MP3A	X	119.881	.25
20	MP3A	Z	-69.213	.25
21	MP3A	Mx	-.1	.25
22	MP3A	X	119.881	5.25
23	MP3A	Z	-69.213	5.25
24	MP3A	Mx	-.1	5.25
25	MP3B	X	119.881	.25
26	MP3B	Z	-69.213	.25
27	MP3B	Mx	.02	.25
28	MP3B	X	119.881	5.25
29	MP3B	Z	-69.213	5.25
30	MP3B	Mx	.02	5.25
31	MP3C	X	160.339	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP3C	Z	-92.572	.25
33	MP3C	Mx	.108	.25
34	MP3C	X	160.339	5.25
35	MP3C	Z	-92.572	5.25
36	MP3C	Mx	.108	5.25
37	MP1A	X	39.686	2
38	MP1A	Z	-22.913	2
39	MP1A	Mx	-.02	2
40	MP1A	X	39.686	4
41	MP1A	Z	-22.913	4
42	MP1A	Mx	-.02	4
43	MP1B	X	39.686	2
44	MP1B	Z	-22.913	2
45	MP1B	Mx	.02	2
46	MP1B	X	39.686	4
47	MP1B	Z	-22.913	4
48	MP1B	Mx	.02	4
49	MP1C	X	78.078	2
50	MP1C	Z	-45.078	2
51	MP1C	Mx	0	2
52	MP1C	X	78.078	4
53	MP1C	Z	-45.078	4
54	MP1C	Mx	0	4
55	MP4B	X	103.573	.25
56	MP4B	Z	-59.798	.25
57	MP4B	Mx	-.052	.25
58	RUA	X	17.329	.25
59	RUA	Z	-10.005	.25
60	RUA	Mx	.009	.25
61	RUA	X	46.508	2.5
62	RUA	Z	-26.852	2.5
63	RUA	Mx	.023	2.5
64	MP2A	X	43.52	2
65	MP2A	Z	-25.127	2
66	MP2A	Mx	.022	2
67	MP2B	X	43.52	2
68	MP2B	Z	-25.127	2
69	MP2B	Mx	-.022	2
70	MP2C	X	61.745	2
71	MP2C	Z	-35.649	2
72	MP2C	Mx	0	2
73	MP4A	X	120.08	.25
74	MP4A	Z	-69.328	.25
75	MP4A	Mx	-.06	.25
76	MP4A	X	120.08	5.25
77	MP4A	Z	-69.328	5.25
78	MP4A	Mx	-.06	5.25
79	MP4B	X	120.08	.25
80	MP4B	Z	-69.328	.25
81	MP4B	Mx	.06	.25
82	MP4B	X	120.08	5.25
83	MP4B	Z	-69.328	5.25
84	MP4B	Mx	.06	5.25
85	MP4C	X	161.135	.25
86	MP4C	Z	-93.032	.25
87	MP4C	Mx	0	.25
88	MP4C	X	161.135	5.25
89	MP4C	Z	-93.032	5.25
90	MP4C	Mx	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	GPS	X	5.577	.25
92	GPS	Z	-3.22	.25
93	GPS	Mx	0	.25
94	RUB	X	17.329	.25
95	RUB	Z	-10.005	.25
96	RUB	Mx	.009	.25
97	RUB	X	46.508	2.5
98	RUB	Z	-26.852	2.5
99	RUB	Mx	.023	2.5
100	RUC	X	17.329	.25
101	RUC	Z	-10.005	.25
102	RUC	Mx	.009	.25
103	RUC	X	46.508	2.5
104	RUC	Z	-26.852	2.5
105	RUC	Mx	.023	2.5
106	MP3A	X	11.599	4
107	MP3A	Z	-6.697	4
108	MP3A	Mx	.007	4
109	MP3A	X	11.599	4
110	MP3A	Z	-6.697	4
111	MP3A	Mx	-.007	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	53.588	.25
2	MP3A	Z	0	.25
3	MP3A	Mx	-.027	.25
4	MP3A	X	53.588	5.25
5	MP3A	Z	0	5.25
6	MP3A	Mx	-.027	5.25
7	MP3B	X	107.061	.25
8	MP3B	Z	0	.25
9	MP3B	Mx	.081	.25
10	MP3B	X	107.061	5.25
11	MP3B	Z	0	5.25
12	MP3B	Mx	.081	5.25
13	MP3C	X	107.061	.25
14	MP3C	Z	0	.25
15	MP3C	Mx	-.027	.25
16	MP3C	X	107.061	5.25
17	MP3C	Z	0	5.25
18	MP3C	Mx	-.027	5.25
19	MP3A	X	122.854	.25
20	MP3A	Z	0	.25
21	MP3A	Mx	-.061	.25
22	MP3A	X	122.854	5.25
23	MP3A	Z	0	5.25
24	MP3A	Mx	-.061	5.25
25	MP3B	X	169.571	.25
26	MP3B	Z	0	.25
27	MP3B	Mx	-.043	.25
28	MP3B	X	169.571	5.25
29	MP3B	Z	0	5.25
30	MP3B	Mx	-.043	5.25
31	MP3C	X	169.571	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	.128	.25
34	MP3C	X	169.571	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	0	5.25
36	MP3C	Mx	.128	5.25
37	MP1A	X	31.049	2
38	MP1A	Z	0	2
39	MP1A	Mx	-.016	2
40	MP1A	X	31.049	4
41	MP1A	Z	0	4
42	MP1A	Mx	-.016	4
43	MP1B	X	75.38	2
44	MP1B	Z	0	2
45	MP1B	Mx	.019	2
46	MP1B	X	75.38	4
47	MP1B	Z	0	4
48	MP1B	Mx	.019	4
49	MP1C	X	75.38	2
50	MP1C	Z	0	2
51	MP1C	Mx	.019	2
52	MP1C	X	75.38	4
53	MP1C	Z	0	4
54	MP1C	Mx	.019	4
55	MP4B	X	137.075	.25
56	MP4B	Z	0	.25
57	MP4B	Mx	-.034	.25
58	RUA	X	15.639	.25
59	RUA	Z	0	.25
60	RUA	Mx	.008	.25
61	RUA	X	47.838	2.5
62	RUA	Z	0	2.5
63	RUA	Mx	.024	2.5
64	MP2A	X	43.238	2
65	MP2A	Z	0	2
66	MP2A	Mx	.022	2
67	MP2B	X	64.283	2
68	MP2B	Z	0	2
69	MP2B	Mx	-.016	2
70	MP2C	X	64.283	2
71	MP2C	Z	0	2
72	MP2C	Mx	-.016	2
73	MP4A	X	122.854	.25
74	MP4A	Z	0	.25
75	MP4A	Mx	-.061	.25
76	MP4A	X	122.854	5.25
77	MP4A	Z	0	5.25
78	MP4A	Mx	-.061	5.25
79	MP4B	X	170.261	.25
80	MP4B	Z	0	.25
81	MP4B	Mx	.043	.25
82	MP4B	X	170.261	5.25
83	MP4B	Z	0	5.25
84	MP4B	Mx	.043	5.25
85	MP4C	X	170.261	.25
86	MP4C	Z	0	.25
87	MP4C	Mx	.043	.25
88	MP4C	X	170.261	5.25
89	MP4C	Z	0	5.25
90	MP4C	Mx	.043	5.25
91	GPS	X	5.865	.25
92	GPS	Z	0	.25
93	GPS	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	RUB	X	15.639	.25
95	RUB	Z	0	.25
96	RUB	Mx	.008	.25
97	RUB	X	47.838	2.5
98	RUB	Z	0	2.5
99	RUB	Mx	.024	2.5
100	RUC	X	15.639	.25
101	RUC	Z	0	.25
102	RUC	Mx	.008	.25
103	RUC	X	47.838	2.5
104	RUC	Z	0	2.5
105	RUC	Mx	.024	2.5
106	MP3A	X	21.085	4
107	MP3A	Z	0	4
108	MP3A	Mx	.009	4
109	MP3A	X	21.085	4
110	MP3A	Z	0	4
111	MP3A	Mx	-.009	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	61.845	.25
2	MP3A	Z	35.706	.25
3	MP3A	Mx	-.052	.25
4	MP3A	X	61.845	5.25
5	MP3A	Z	35.706	5.25
6	MP3A	Mx	-.052	5.25
7	MP3B	X	108.154	.25
8	MP3B	Z	62.443	.25
9	MP3B	Mx	.073	.25
10	MP3B	X	108.154	5.25
11	MP3B	Z	62.443	5.25
12	MP3B	Mx	.073	5.25
13	MP3C	X	61.845	.25
14	MP3C	Z	35.706	.25
15	MP3C	Mx	.01	.25
16	MP3C	X	61.845	5.25
17	MP3C	Z	35.706	5.25
18	MP3C	Mx	.01	5.25
19	MP3A	X	119.881	.25
20	MP3A	Z	69.213	.25
21	MP3A	Mx	-.02	.25
22	MP3A	X	119.881	5.25
23	MP3A	Z	69.213	5.25
24	MP3A	Mx	-.02	5.25
25	MP3B	X	160.339	.25
26	MP3B	Z	92.572	.25
27	MP3B	Mx	-.108	.25
28	MP3B	X	160.339	5.25
29	MP3B	Z	92.572	5.25
30	MP3B	Mx	-.108	5.25
31	MP3C	X	119.881	.25
32	MP3C	Z	69.213	.25
33	MP3C	Mx	.1	.25
34	MP3C	X	119.881	5.25
35	MP3C	Z	69.213	5.25
36	MP3C	Mx	.1	5.25
37	MP1A	X	39.686	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP1A	Z	22.913	2
39	MP1A	Mx	-.02	2
40	MP1A	X	39.686	4
41	MP1A	Z	22.913	4
42	MP1A	Mx	-.02	4
43	MP1B	X	78.078	2
44	MP1B	Z	45.078	2
45	MP1B	Mx	0	2
46	MP1B	X	78.078	4
47	MP1B	Z	45.078	4
48	MP1B	Mx	0	4
49	MP1C	X	39.686	2
50	MP1C	Z	22.913	2
51	MP1C	Mx	.02	2
52	MP1C	X	39.686	4
53	MP1C	Z	22.913	4
54	MP1C	Mx	.02	4
55	MP4B	X	126.279	.25
56	MP4B	Z	72.907	.25
57	MP4B	Mx	0	.25
58	RUA	X	17.329	.25
59	RUA	Z	10.005	.25
60	RUA	Mx	.009	.25
61	RUA	X	46.508	2.5
62	RUA	Z	26.852	2.5
63	RUA	Mx	.023	2.5
64	MP2A	X	43.52	2
65	MP2A	Z	25.127	2
66	MP2A	Mx	.022	2
67	MP2B	X	61.745	2
68	MP2B	Z	35.649	2
69	MP2B	Mx	0	2
70	MP2C	X	43.52	2
71	MP2C	Z	25.127	2
72	MP2C	Mx	-.022	2
73	MP4A	X	120.08	.25
74	MP4A	Z	69.328	.25
75	MP4A	Mx	-.06	.25
76	MP4A	X	120.08	5.25
77	MP4A	Z	69.328	5.25
78	MP4A	Mx	-.06	5.25
79	MP4B	X	161.135	.25
80	MP4B	Z	93.032	.25
81	MP4B	Mx	0	.25
82	MP4B	X	161.135	5.25
83	MP4B	Z	93.032	5.25
84	MP4B	Mx	0	5.25
85	MP4C	X	120.08	.25
86	MP4C	Z	69.328	.25
87	MP4C	Mx	.06	.25
88	MP4C	X	120.08	5.25
89	MP4C	Z	69.328	5.25
90	MP4C	Mx	.06	5.25
91	GPS	X	4.083	.25
92	GPS	Z	2.357	.25
93	GPS	Mx	0	.25
94	RUB	X	17.329	.25
95	RUB	Z	10.005	.25
96	RUB	Mx	.009	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	RUB	X	46.508	2.5
98	RUB	Z	26.852	2.5
99	RUB	Mx	.023	2.5
100	RUC	X	17.329	.25
101	RUC	Z	10.005	.25
102	RUC	Mx	.009	.25
103	RUC	X	46.508	2.5
104	RUC	Z	26.852	2.5
105	RUC	Mx	.023	2.5
106	MP3A	X	31.581	4
107	MP3A	Z	18.234	4
108	MP3A	Mx	.009	4
109	MP3A	X	31.581	4
110	MP3A	Z	18.234	4
111	MP3A	Mx	-.009	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	53.531	.25
2	MP3A	Z	92.718	.25
3	MP3A	Mx	-.081	.25
4	MP3A	X	53.531	5.25
5	MP3A	Z	92.718	5.25
6	MP3A	Mx	-.081	5.25
7	MP3B	X	53.531	.25
8	MP3B	Z	92.718	.25
9	MP3B	Mx	.027	.25
10	MP3B	X	53.531	5.25
11	MP3B	Z	92.718	5.25
12	MP3B	Mx	.027	5.25
13	MP3C	X	26.794	.25
14	MP3C	Z	46.409	.25
15	MP3C	Mx	.027	.25
16	MP3C	X	26.794	5.25
17	MP3C	Z	46.409	5.25
18	MP3C	Mx	.027	5.25
19	MP3A	X	84.785	.25
20	MP3A	Z	146.853	.25
21	MP3A	Mx	.043	.25
22	MP3A	X	84.785	5.25
23	MP3A	Z	146.853	5.25
24	MP3A	Mx	.043	5.25
25	MP3B	X	84.785	.25
26	MP3B	Z	146.853	.25
27	MP3B	Mx	-.128	.25
28	MP3B	X	84.785	5.25
29	MP3B	Z	146.853	5.25
30	MP3B	Mx	-.128	5.25
31	MP3C	X	61.427	.25
32	MP3C	Z	106.394	.25
33	MP3C	Mx	.061	.25
34	MP3C	X	61.427	5.25
35	MP3C	Z	106.394	5.25
36	MP3C	Mx	.061	5.25
37	MP1A	X	37.69	2
38	MP1A	Z	65.281	2
39	MP1A	Mx	-.019	2
40	MP1A	X	37.69	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP1A	Z	65.281	4
42	MP1A	Mx	-.019	4
43	MP1B	X	37.69	2
44	MP1B	Z	65.281	2
45	MP1B	Mx	-.019	2
46	MP1B	X	37.69	4
47	MP1B	Z	65.281	4
48	MP1B	Mx	-.019	4
49	MP1C	X	15.524	2
50	MP1C	Z	26.889	2
51	MP1C	Mx	.016	2
52	MP1C	X	15.524	4
53	MP1C	Z	26.889	4
54	MP1C	Mx	.016	4
55	MP4B	X	68.537	.25
56	MP4B	Z	118.71	.25
57	MP4B	Mx	.034	.25
58	RUA	X	14.374	.25
59	RUA	Z	24.897	.25
60	RUA	Mx	.007	.25
61	RUA	X	32.716	2.5
62	RUA	Z	56.666	2.5
63	RUA	Mx	.016	2.5
64	MP2A	X	32.141	2
65	MP2A	Z	55.67	2
66	MP2A	Mx	.016	2
67	MP2B	X	32.141	2
68	MP2B	Z	55.67	2
69	MP2B	Mx	.016	2
70	MP2C	X	21.619	2
71	MP2C	Z	37.446	2
72	MP2C	Mx	-.022	2
73	MP4A	X	85.13	.25
74	MP4A	Z	147.45	.25
75	MP4A	Mx	-.043	.25
76	MP4A	X	85.13	5.25
77	MP4A	Z	147.45	5.25
78	MP4A	Mx	-.043	5.25
79	MP4B	X	85.13	.25
80	MP4B	Z	147.45	.25
81	MP4B	Mx	-.043	.25
82	MP4B	X	85.13	5.25
83	MP4B	Z	147.45	5.25
84	MP4B	Mx	-.043	5.25
85	MP4C	X	61.427	.25
86	MP4C	Z	106.394	.25
87	MP4C	Mx	.061	.25
88	MP4C	X	61.427	5.25
89	MP4C	Z	106.394	5.25
90	MP4C	Mx	.061	5.25
91	GPS	X	2.07	.25
92	GPS	Z	3.585	.25
93	GPS	Mx	0	.25
94	RUB	X	14.374	.25
95	RUB	Z	24.897	.25
96	RUB	Mx	.007	.25
97	RUB	X	32.716	2.5
98	RUB	Z	56.666	2.5
99	RUB	Mx	.016	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	RUC	X	14.374	.25
101	RUC	Z	24.897	.25
102	RUC	Mx	.007	.25
103	RUC	X	32.716	2.5
104	RUC	Z	56.666	2.5
105	RUC	Mx	.016	2.5
106	MP3A	X	22.079	4
107	MP3A	Z	38.242	4
108	MP3A	Mx	0	4
109	MP3A	X	22.079	4
110	MP3A	Z	38.242	4
111	MP3A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.25
2	MP3A	Z	124.885	.25
3	MP3A	Mx	-.073	.25
4	MP3A	X	0	5.25
5	MP3A	Z	124.885	5.25
6	MP3A	Mx	-.073	5.25
7	MP3B	X	0	.25
8	MP3B	Z	71.412	.25
9	MP3B	Mx	-.01	.25
10	MP3B	X	0	5.25
11	MP3B	Z	71.412	5.25
12	MP3B	Mx	-.01	5.25
13	MP3C	X	0	.25
14	MP3C	Z	71.412	.25
15	MP3C	Mx	.052	.25
16	MP3C	X	0	5.25
17	MP3C	Z	71.412	5.25
18	MP3C	Mx	.052	5.25
19	MP3A	X	0	.25
20	MP3A	Z	185.143	.25
21	MP3A	Mx	.108	.25
22	MP3A	X	0	5.25
23	MP3A	Z	185.143	5.25
24	MP3A	Mx	.108	5.25
25	MP3B	X	0	.25
26	MP3B	Z	138.426	.25
27	MP3B	Mx	-.1	.25
28	MP3B	X	0	5.25
29	MP3B	Z	138.426	5.25
30	MP3B	Mx	-.1	5.25
31	MP3C	X	0	.25
32	MP3C	Z	138.426	.25
33	MP3C	Mx	.02	.25
34	MP3C	X	0	5.25
35	MP3C	Z	138.426	5.25
36	MP3C	Mx	.02	5.25
37	MP1A	X	0	2
38	MP1A	Z	90.157	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4
41	MP1A	Z	90.157	4
42	MP1A	Mx	0	4
43	MP1B	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP1B	Z	45.826	2
45	MP1B	Mx	-.02	2
46	MP1B	X	0	4
47	MP1B	Z	45.826	4
48	MP1B	Mx	-.02	4
49	MP1C	X	0	2
50	MP1C	Z	45.826	2
51	MP1C	Mx	.02	2
52	MP1C	X	0	4
53	MP1C	Z	45.826	4
54	MP1C	Mx	.02	4
55	MP4B	X	0	.25
56	MP4B	Z	119.596	.25
57	MP4B	Mx	.052	.25
58	RUA	X	0	.25
59	RUA	Z	33.119	.25
60	RUA	Mx	0	.25
61	RUA	X	0	2.5
62	RUA	Z	71.297	2.5
63	RUA	Mx	0	2.5
64	MP2A	X	0	2
65	MP2A	Z	71.297	2
66	MP2A	Mx	0	2
67	MP2B	X	0	2
68	MP2B	Z	50.253	2
69	MP2B	Mx	.022	2
70	MP2C	X	0	2
71	MP2C	Z	50.253	2
72	MP2C	Mx	-.022	2
73	MP4A	X	0	.25
74	MP4A	Z	186.063	.25
75	MP4A	Mx	0	.25
76	MP4A	X	0	5.25
77	MP4A	Z	186.063	5.25
78	MP4A	Mx	0	5.25
79	MP4B	X	0	.25
80	MP4B	Z	138.656	.25
81	MP4B	Mx	-.06	.25
82	MP4B	X	0	5.25
83	MP4B	Z	138.656	5.25
84	MP4B	Mx	-.06	5.25
85	MP4C	X	0	.25
86	MP4C	Z	138.656	.25
87	MP4C	Mx	.06	.25
88	MP4C	X	0	5.25
89	MP4C	Z	138.656	5.25
90	MP4C	Mx	.06	5.25
91	GPS	X	0	.25
92	GPS	Z	4.715	.25
93	GPS	Mx	0	.25
94	RUB	X	0	.25
95	RUB	Z	33.119	.25
96	RUB	Mx	0	.25
97	RUB	X	0	2.5
98	RUB	Z	71.297	2.5
99	RUB	Mx	0	2.5
100	RUC	X	0	.25
101	RUC	Z	33.119	.25
102	RUC	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	RUC	X	0	2.5
104	RUC	Z	71.297	2.5
105	RUC	Mx	0	2.5
106	MP3A	X	0	4
107	MP3A	Z	36.467	4
108	MP3A	Mx	-.009	4
109	MP3A	X	0	4
110	MP3A	Z	36.467	4
111	MP3A	Mx	.009	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-53.531	.25
2	MP3A	Z	92.718	.25
3	MP3A	Mx	-.027	.25
4	MP3A	X	-53.531	5.25
5	MP3A	Z	92.718	5.25
6	MP3A	Mx	-.027	5.25
7	MP3B	X	-26.794	.25
8	MP3B	Z	46.409	.25
9	MP3B	Mx	-.027	.25
10	MP3B	X	-26.794	5.25
11	MP3B	Z	46.409	5.25
12	MP3B	Mx	-.027	5.25
13	MP3C	X	-53.531	.25
14	MP3C	Z	92.718	.25
15	MP3C	Mx	.081	.25
16	MP3C	X	-53.531	5.25
17	MP3C	Z	92.718	5.25
18	MP3C	Mx	.081	5.25
19	MP3A	X	-84.785	.25
20	MP3A	Z	146.853	.25
21	MP3A	Mx	.128	.25
22	MP3A	X	-84.785	5.25
23	MP3A	Z	146.853	5.25
24	MP3A	Mx	.128	5.25
25	MP3B	X	-61.427	.25
26	MP3B	Z	106.394	.25
27	MP3B	Mx	-.061	.25
28	MP3B	X	-61.427	5.25
29	MP3B	Z	106.394	5.25
30	MP3B	Mx	-.061	5.25
31	MP3C	X	-84.785	.25
32	MP3C	Z	146.853	.25
33	MP3C	Mx	-.043	.25
34	MP3C	X	-84.785	5.25
35	MP3C	Z	146.853	5.25
36	MP3C	Mx	-.043	5.25
37	MP1A	X	-37.69	2
38	MP1A	Z	65.281	2
39	MP1A	Mx	.019	2
40	MP1A	X	-37.69	4
41	MP1A	Z	65.281	4
42	MP1A	Mx	.019	4
43	MP1B	X	-15.524	2
44	MP1B	Z	26.889	2
45	MP1B	Mx	-.016	2
46	MP1B	X	-15.524	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP1B	Z	26.889	4
48	MP1B	Mx	-.016	4
49	MP1C	X	-37.69	2
50	MP1C	Z	65.281	2
51	MP1C	Mx	.019	2
52	MP1C	X	-37.69	4
53	MP1C	Z	65.281	4
54	MP1C	Mx	.019	4
55	MP4B	X	-55.428	.25
56	MP4B	Z	96.004	.25
57	MP4B	Mx	.055	.25
58	RUA	X	-14.374	.25
59	RUA	Z	24.897	.25
60	RUA	Mx	-.007	.25
61	RUA	X	-32.716	2.5
62	RUA	Z	56.666	2.5
63	RUA	Mx	-.016	2.5
64	MP2A	X	-32.141	2
65	MP2A	Z	55.67	2
66	MP2A	Mx	-.016	2
67	MP2B	X	-21.619	2
68	MP2B	Z	37.446	2
69	MP2B	Mx	.022	2
70	MP2C	X	-32.141	2
71	MP2C	Z	55.67	2
72	MP2C	Mx	-.016	2
73	MP4A	X	-85.13	.25
74	MP4A	Z	147.45	.25
75	MP4A	Mx	.043	.25
76	MP4A	X	-85.13	5.25
77	MP4A	Z	147.45	5.25
78	MP4A	Mx	.043	5.25
79	MP4B	X	-61.427	.25
80	MP4B	Z	106.394	.25
81	MP4B	Mx	-.061	.25
82	MP4B	X	-61.427	5.25
83	MP4B	Z	106.394	5.25
84	MP4B	Mx	-.061	5.25
85	MP4C	X	-85.13	.25
86	MP4C	Z	147.45	.25
87	MP4C	Mx	.043	.25
88	MP4C	X	-85.13	5.25
89	MP4C	Z	147.45	5.25
90	MP4C	Mx	.043	5.25
91	GPS	X	-2.932	.25
92	GPS	Z	5.079	.25
93	GPS	Mx	0	.25
94	RUB	X	-14.374	.25
95	RUB	Z	24.897	.25
96	RUB	Mx	-.007	.25
97	RUB	X	-32.716	2.5
98	RUB	Z	56.666	2.5
99	RUB	Mx	-.016	2.5
100	RUC	X	-14.374	.25
101	RUC	Z	24.897	.25
102	RUC	Mx	-.007	.25
103	RUC	X	-32.716	2.5
104	RUC	Z	56.666	2.5
105	RUC	Mx	-.016	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP3A	X	-10.542	4
107	MP3A	Z	18.26	4
108	MP3A	Mx	-.009	4
109	MP3A	X	-10.542	4
110	MP3A	Z	18.26	4
111	MP3A	Mx	.009	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-61.845	.25
2	MP3A	Z	35.706	.25
3	MP3A	Mx	.01	.25
4	MP3A	X	-61.845	5.25
5	MP3A	Z	35.706	5.25
6	MP3A	Mx	.01	5.25
7	MP3B	X	-61.845	.25
8	MP3B	Z	35.706	.25
9	MP3B	Mx	-.052	.25
10	MP3B	X	-61.845	5.25
11	MP3B	Z	35.706	5.25
12	MP3B	Mx	-.052	5.25
13	MP3C	X	-108.154	.25
14	MP3C	Z	62.443	.25
15	MP3C	Mx	.073	.25
16	MP3C	X	-108.154	5.25
17	MP3C	Z	62.443	5.25
18	MP3C	Mx	.073	5.25
19	MP3A	X	-119.881	.25
20	MP3A	Z	69.213	.25
21	MP3A	Mx	.1	.25
22	MP3A	X	-119.881	5.25
23	MP3A	Z	69.213	5.25
24	MP3A	Mx	.1	5.25
25	MP3B	X	-119.881	.25
26	MP3B	Z	69.213	.25
27	MP3B	Mx	-.02	.25
28	MP3B	X	-119.881	5.25
29	MP3B	Z	69.213	5.25
30	MP3B	Mx	-.02	5.25
31	MP3C	X	-160.339	.25
32	MP3C	Z	92.572	.25
33	MP3C	Mx	-.108	.25
34	MP3C	X	-160.339	5.25
35	MP3C	Z	92.572	5.25
36	MP3C	Mx	-.108	5.25
37	MP1A	X	-39.686	2
38	MP1A	Z	22.913	2
39	MP1A	Mx	.02	2
40	MP1A	X	-39.686	4
41	MP1A	Z	22.913	4
42	MP1A	Mx	.02	4
43	MP1B	X	-39.686	2
44	MP1B	Z	22.913	2
45	MP1B	Mx	-.02	2
46	MP1B	X	-39.686	4
47	MP1B	Z	22.913	4
48	MP1B	Mx	-.02	4
49	MP1C	X	-78.078	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP1C	Z	45.078	2
51	MP1C	Mx	0	2
52	MP1C	X	-78.078	4
53	MP1C	Z	45.078	4
54	MP1C	Mx	0	4
55	MP4B	X	-103.573	.25
56	MP4B	Z	59.798	.25
57	MP4B	Mx	.052	.25
58	RUA	X	-17.329	.25
59	RUA	Z	10.005	.25
60	RUA	Mx	-.009	.25
61	RUA	X	-46.508	2.5
62	RUA	Z	26.852	2.5
63	RUA	Mx	-.023	2.5
64	MP2A	X	-43.52	2
65	MP2A	Z	25.127	2
66	MP2A	Mx	-.022	2
67	MP2B	X	-43.52	2
68	MP2B	Z	25.127	2
69	MP2B	Mx	.022	2
70	MP2C	X	-61.745	2
71	MP2C	Z	35.649	2
72	MP2C	Mx	0	2
73	MP4A	X	-120.08	.25
74	MP4A	Z	69.328	.25
75	MP4A	Mx	.06	.25
76	MP4A	X	-120.08	5.25
77	MP4A	Z	69.328	5.25
78	MP4A	Mx	.06	5.25
79	MP4B	X	-120.08	.25
80	MP4B	Z	69.328	.25
81	MP4B	Mx	-.06	.25
82	MP4B	X	-120.08	5.25
83	MP4B	Z	69.328	5.25
84	MP4B	Mx	-.06	5.25
85	MP4C	X	-161.135	.25
86	MP4C	Z	93.032	.25
87	MP4C	Mx	0	.25
88	MP4C	X	-161.135	5.25
89	MP4C	Z	93.032	5.25
90	MP4C	Mx	0	5.25
91	GPS	X	-5.577	.25
92	GPS	Z	3.22	.25
93	GPS	Mx	0	.25
94	RUB	X	-17.329	.25
95	RUB	Z	10.005	.25
96	RUB	Mx	-.009	.25
97	RUB	X	-46.508	2.5
98	RUB	Z	26.852	2.5
99	RUB	Mx	-.023	2.5
100	RUC	X	-17.329	.25
101	RUC	Z	10.005	.25
102	RUC	Mx	-.009	.25
103	RUC	X	-46.508	2.5
104	RUC	Z	26.852	2.5
105	RUC	Mx	-.023	2.5
106	MP3A	X	-11.599	4
107	MP3A	Z	6.697	4
108	MP3A	Mx	-.007	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP3A	X	-11.599	4
110	MP3A	Z	6.697	4
111	MP3A	Mx	.007	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-53.588	.25
2	MP3A	Z	0	.25
3	MP3A	Mx	.027	.25
4	MP3A	X	-53.588	5.25
5	MP3A	Z	0	5.25
6	MP3A	Mx	.027	5.25
7	MP3B	X	-107.061	.25
8	MP3B	Z	0	.25
9	MP3B	Mx	-.081	.25
10	MP3B	X	-107.061	5.25
11	MP3B	Z	0	5.25
12	MP3B	Mx	-.081	5.25
13	MP3C	X	-107.061	.25
14	MP3C	Z	0	.25
15	MP3C	Mx	.027	.25
16	MP3C	X	-107.061	5.25
17	MP3C	Z	0	5.25
18	MP3C	Mx	.027	5.25
19	MP3A	X	-122.854	.25
20	MP3A	Z	0	.25
21	MP3A	Mx	.061	.25
22	MP3A	X	-122.854	5.25
23	MP3A	Z	0	5.25
24	MP3A	Mx	.061	5.25
25	MP3B	X	-169.571	.25
26	MP3B	Z	0	.25
27	MP3B	Mx	.043	.25
28	MP3B	X	-169.571	5.25
29	MP3B	Z	0	5.25
30	MP3B	Mx	.043	5.25
31	MP3C	X	-169.571	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	-.128	.25
34	MP3C	X	-169.571	5.25
35	MP3C	Z	0	5.25
36	MP3C	Mx	-.128	5.25
37	MP1A	X	-31.049	2
38	MP1A	Z	0	2
39	MP1A	Mx	.016	2
40	MP1A	X	-31.049	4
41	MP1A	Z	0	4
42	MP1A	Mx	.016	4
43	MP1B	X	-75.38	2
44	MP1B	Z	0	2
45	MP1B	Mx	-.019	2
46	MP1B	X	-75.38	4
47	MP1B	Z	0	4
48	MP1B	Mx	-.019	4
49	MP1C	X	-75.38	2
50	MP1C	Z	0	2
51	MP1C	Mx	-.019	2
52	MP1C	X	-75.38	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP1C	Z	0	4
54	MP1C	Mx	-.019	4
55	MP4B	X	-137.075	.25
56	MP4B	Z	0	.25
57	MP4B	Mx	.034	.25
58	RUA	X	-15.639	.25
59	RUA	Z	0	.25
60	RUA	Mx	-.008	.25
61	RUA	X	-47.838	2.5
62	RUA	Z	0	2.5
63	RUA	Mx	-.024	2.5
64	MP2A	X	-43.238	2
65	MP2A	Z	0	2
66	MP2A	Mx	-.022	2
67	MP2B	X	-64.283	2
68	MP2B	Z	0	2
69	MP2B	Mx	.016	2
70	MP2C	X	-64.283	2
71	MP2C	Z	0	2
72	MP2C	Mx	.016	2
73	MP4A	X	-122.854	.25
74	MP4A	Z	0	.25
75	MP4A	Mx	.061	.25
76	MP4A	X	-122.854	5.25
77	MP4A	Z	0	5.25
78	MP4A	Mx	.061	5.25
79	MP4B	X	-170.261	.25
80	MP4B	Z	0	.25
81	MP4B	Mx	-.043	.25
82	MP4B	X	-170.261	5.25
83	MP4B	Z	0	5.25
84	MP4B	Mx	-.043	5.25
85	MP4C	X	-170.261	.25
86	MP4C	Z	0	.25
87	MP4C	Mx	-.043	.25
88	MP4C	X	-170.261	5.25
89	MP4C	Z	0	5.25
90	MP4C	Mx	-.043	5.25
91	GPS	X	-5.865	.25
92	GPS	Z	0	.25
93	GPS	Mx	0	.25
94	RUB	X	-15.639	.25
95	RUB	Z	0	.25
96	RUB	Mx	-.008	.25
97	RUB	X	-47.838	2.5
98	RUB	Z	0	2.5
99	RUB	Mx	-.024	2.5
100	RUC	X	-15.639	.25
101	RUC	Z	0	.25
102	RUC	Mx	-.008	.25
103	RUC	X	-47.838	2.5
104	RUC	Z	0	2.5
105	RUC	Mx	-.024	2.5
106	MP3A	X	-21.085	4
107	MP3A	Z	0	4
108	MP3A	Mx	-.009	4
109	MP3A	X	-21.085	4
110	MP3A	Z	0	4
111	MP3A	Mx	.009	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-61.845	.25
2	MP3A	Z	-35.706	.25
3	MP3A	Mx	.052	.25
4	MP3A	X	-61.845	5.25
5	MP3A	Z	-35.706	5.25
6	MP3A	Mx	.052	5.25
7	MP3B	X	-108.154	.25
8	MP3B	Z	-62.443	.25
9	MP3B	Mx	-.073	.25
10	MP3B	X	-108.154	5.25
11	MP3B	Z	-62.443	5.25
12	MP3B	Mx	-.073	5.25
13	MP3C	X	-61.845	.25
14	MP3C	Z	-35.706	.25
15	MP3C	Mx	-.01	.25
16	MP3C	X	-61.845	5.25
17	MP3C	Z	-35.706	5.25
18	MP3C	Mx	-.01	5.25
19	MP3A	X	-119.881	.25
20	MP3A	Z	-69.213	.25
21	MP3A	Mx	.02	.25
22	MP3A	X	-119.881	5.25
23	MP3A	Z	-69.213	5.25
24	MP3A	Mx	.02	5.25
25	MP3B	X	-160.339	.25
26	MP3B	Z	-92.572	.25
27	MP3B	Mx	.108	.25
28	MP3B	X	-160.339	5.25
29	MP3B	Z	-92.572	5.25
30	MP3B	Mx	.108	5.25
31	MP3C	X	-119.881	.25
32	MP3C	Z	-69.213	.25
33	MP3C	Mx	-.1	.25
34	MP3C	X	-119.881	5.25
35	MP3C	Z	-69.213	5.25
36	MP3C	Mx	-.1	5.25
37	MP1A	X	-39.686	2
38	MP1A	Z	-22.913	2
39	MP1A	Mx	.02	2
40	MP1A	X	-39.686	4
41	MP1A	Z	-22.913	4
42	MP1A	Mx	.02	4
43	MP1B	X	-78.078	2
44	MP1B	Z	-45.078	2
45	MP1B	Mx	0	2
46	MP1B	X	-78.078	4
47	MP1B	Z	-45.078	4
48	MP1B	Mx	0	4
49	MP1C	X	-39.686	2
50	MP1C	Z	-22.913	2
51	MP1C	Mx	-.02	2
52	MP1C	X	-39.686	4
53	MP1C	Z	-22.913	4
54	MP1C	Mx	-.02	4
55	MP4B	X	-126.279	.25
56	MP4B	Z	-72.907	.25
57	MP4B	Mx	0	.25
58	RUA	X	-17.329	.25
59	RUA	Z	-10.005	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	RUA	Mx	-.009	.25
61	RUA	X	-46.508	2.5
62	RUA	Z	-26.852	2.5
63	RUA	Mx	-.023	2.5
64	MP2A	X	-43.52	2
65	MP2A	Z	-25.127	2
66	MP2A	Mx	-.022	2
67	MP2B	X	-61.745	2
68	MP2B	Z	-35.649	2
69	MP2B	Mx	0	2
70	MP2C	X	-43.52	2
71	MP2C	Z	-25.127	2
72	MP2C	Mx	.022	2
73	MP4A	X	-120.08	.25
74	MP4A	Z	-69.328	.25
75	MP4A	Mx	.06	.25
76	MP4A	X	-120.08	5.25
77	MP4A	Z	-69.328	5.25
78	MP4A	Mx	.06	5.25
79	MP4B	X	-161.135	.25
80	MP4B	Z	-93.032	.25
81	MP4B	Mx	0	.25
82	MP4B	X	-161.135	5.25
83	MP4B	Z	-93.032	5.25
84	MP4B	Mx	0	5.25
85	MP4C	X	-120.08	.25
86	MP4C	Z	-69.328	.25
87	MP4C	Mx	-.06	.25
88	MP4C	X	-120.08	5.25
89	MP4C	Z	-69.328	5.25
90	MP4C	Mx	-.06	5.25
91	GPS	X	-4.083	.25
92	GPS	Z	-2.357	.25
93	GPS	Mx	0	.25
94	RUB	X	-17.329	.25
95	RUB	Z	-10.005	.25
96	RUB	Mx	-.009	.25
97	RUB	X	-46.508	2.5
98	RUB	Z	-26.852	2.5
99	RUB	Mx	-.023	2.5
100	RUC	X	-17.329	.25
101	RUC	Z	-10.005	.25
102	RUC	Mx	-.009	.25
103	RUC	X	-46.508	2.5
104	RUC	Z	-26.852	2.5
105	RUC	Mx	-.023	2.5
106	MP3A	X	-31.581	4
107	MP3A	Z	-18.234	4
108	MP3A	Mx	-.009	4
109	MP3A	X	-31.581	4
110	MP3A	Z	-18.234	4
111	MP3A	Mx	.009	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-53.531	.25
2	MP3A	Z	-92.718	.25
3	MP3A	Mx	.081	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3A	X	-53.531	5.25
5	MP3A	Z	-92.718	5.25
6	MP3A	Mx	.081	5.25
7	MP3B	X	-53.531	.25
8	MP3B	Z	-92.718	.25
9	MP3B	Mx	-.027	.25
10	MP3B	X	-53.531	5.25
11	MP3B	Z	-92.718	5.25
12	MP3B	Mx	-.027	5.25
13	MP3C	X	-26.794	.25
14	MP3C	Z	-46.409	.25
15	MP3C	Mx	-.027	.25
16	MP3C	X	-26.794	5.25
17	MP3C	Z	-46.409	5.25
18	MP3C	Mx	-.027	5.25
19	MP3A	X	-84.785	.25
20	MP3A	Z	-146.853	.25
21	MP3A	Mx	-.043	.25
22	MP3A	X	-84.785	5.25
23	MP3A	Z	-146.853	5.25
24	MP3A	Mx	-.043	5.25
25	MP3B	X	-84.785	.25
26	MP3B	Z	-146.853	.25
27	MP3B	Mx	.128	.25
28	MP3B	X	-84.785	5.25
29	MP3B	Z	-146.853	5.25
30	MP3B	Mx	.128	5.25
31	MP3C	X	-61.427	.25
32	MP3C	Z	-106.394	.25
33	MP3C	Mx	-.061	.25
34	MP3C	X	-61.427	5.25
35	MP3C	Z	-106.394	5.25
36	MP3C	Mx	-.061	5.25
37	MP1A	X	-37.69	2
38	MP1A	Z	-65.281	2
39	MP1A	Mx	.019	2
40	MP1A	X	-37.69	4
41	MP1A	Z	-65.281	4
42	MP1A	Mx	.019	4
43	MP1B	X	-37.69	2
44	MP1B	Z	-65.281	2
45	MP1B	Mx	.019	2
46	MP1B	X	-37.69	4
47	MP1B	Z	-65.281	4
48	MP1B	Mx	.019	4
49	MP1C	X	-15.524	2
50	MP1C	Z	-26.889	2
51	MP1C	Mx	-.016	2
52	MP1C	X	-15.524	4
53	MP1C	Z	-26.889	4
54	MP1C	Mx	-.016	4
55	MP4B	X	-68.537	.25
56	MP4B	Z	-118.71	.25
57	MP4B	Mx	-.034	.25
58	RUA	X	-14.374	.25
59	RUA	Z	-24.897	.25
60	RUA	Mx	-.007	.25
61	RUA	X	-32.716	2.5
62	RUA	Z	-56.666	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	RUA	Mx	-.016	2.5
64	MP2A	X	-32.141	2
65	MP2A	Z	-55.67	2
66	MP2A	Mx	-.016	2
67	MP2B	X	-32.141	2
68	MP2B	Z	-55.67	2
69	MP2B	Mx	-.016	2
70	MP2C	X	-21.619	2
71	MP2C	Z	-37.446	2
72	MP2C	Mx	.022	2
73	MP4A	X	-85.13	.25
74	MP4A	Z	-147.45	.25
75	MP4A	Mx	.043	.25
76	MP4A	X	-85.13	5.25
77	MP4A	Z	-147.45	5.25
78	MP4A	Mx	.043	5.25
79	MP4B	X	-85.13	.25
80	MP4B	Z	-147.45	.25
81	MP4B	Mx	.043	.25
82	MP4B	X	-85.13	5.25
83	MP4B	Z	-147.45	5.25
84	MP4B	Mx	.043	5.25
85	MP4C	X	-61.427	.25
86	MP4C	Z	-106.394	.25
87	MP4C	Mx	-.061	.25
88	MP4C	X	-61.427	5.25
89	MP4C	Z	-106.394	5.25
90	MP4C	Mx	-.061	5.25
91	GPS	X	-2.07	.25
92	GPS	Z	-3.585	.25
93	GPS	Mx	0	.25
94	RUB	X	-14.374	.25
95	RUB	Z	-24.897	.25
96	RUB	Mx	-.007	.25
97	RUB	X	-32.716	2.5
98	RUB	Z	-56.666	2.5
99	RUB	Mx	-.016	2.5
100	RUC	X	-14.374	.25
101	RUC	Z	-24.897	.25
102	RUC	Mx	-.007	.25
103	RUC	X	-32.716	2.5
104	RUC	Z	-56.666	2.5
105	RUC	Mx	-.016	2.5
106	MP3A	X	-22.079	4
107	MP3A	Z	-38.242	4
108	MP3A	Mx	0	4
109	MP3A	X	-22.079	4
110	MP3A	Z	-38.242	4
111	MP3A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.25
2	MP3A	Z	-32.818	.25
3	MP3A	Mx	.019	.25
4	MP3A	X	0	5.25
5	MP3A	Z	-32.818	5.25
6	MP3A	Mx	.019	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP3B	X	0	.25
8	MP3B	Z	-25.182	.25
9	MP3B	Mx	.004	.25
10	MP3B	X	0	5.25
11	MP3B	Z	-25.182	5.25
12	MP3B	Mx	.004	5.25
13	MP3C	X	0	.25
14	MP3C	Z	-25.182	.25
15	MP3C	Mx	-.018	.25
16	MP3C	X	0	5.25
17	MP3C	Z	-25.182	5.25
18	MP3C	Mx	-.018	5.25
19	MP3A	X	0	.25
20	MP3A	Z	-32.818	.25
21	MP3A	Mx	-.019	.25
22	MP3A	X	0	5.25
23	MP3A	Z	-32.818	5.25
24	MP3A	Mx	-.019	5.25
25	MP3B	X	0	.25
26	MP3B	Z	-25.182	.25
27	MP3B	Mx	.018	.25
28	MP3B	X	0	5.25
29	MP3B	Z	-25.182	5.25
30	MP3B	Mx	.018	5.25
31	MP3C	X	0	.25
32	MP3C	Z	-25.182	.25
33	MP3C	Mx	-.004	.25
34	MP3C	X	0	5.25
35	MP3C	Z	-25.182	5.25
36	MP3C	Mx	-.004	5.25
37	MP1A	X	0	2
38	MP1A	Z	-19.553	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4
41	MP1A	Z	-19.553	4
42	MP1A	Mx	0	4
43	MP1B	X	0	2
44	MP1B	Z	-11.138	2
45	MP1B	Mx	.005	2
46	MP1B	X	0	4
47	MP1B	Z	-11.138	4
48	MP1B	Mx	.005	4
49	MP1C	X	0	2
50	MP1C	Z	-11.138	2
51	MP1C	Mx	-.005	2
52	MP1C	X	0	4
53	MP1C	Z	-11.138	4
54	MP1C	Mx	-.005	4
55	MP4B	X	0	.25
56	MP4B	Z	-28.332	.25
57	MP4B	Mx	-.012	.25
58	RUA	X	0	.25
59	RUA	Z	-9.394	.25
60	RUA	Mx	0	.25
61	RUA	X	0	2.5
62	RUA	Z	-16.485	2.5
63	RUA	Mx	0	2.5
64	MP2A	X	0	2
65	MP2A	Z	-16.485	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2A	Mx	0	2
67	MP2B	X	0	2
68	MP2B	Z	-12.046	2
69	MP2B	Mx	-.005	2
70	MP2C	X	0	2
71	MP2C	Z	-12.046	2
72	MP2C	Mx	.005	2
73	MP4A	X	0	.25
74	MP4A	Z	-32.818	.25
75	MP4A	Mx	0	.25
76	MP4A	X	0	5.25
77	MP4A	Z	-32.818	5.25
78	MP4A	Mx	0	5.25
79	MP4B	X	0	.25
80	MP4B	Z	-25.182	.25
81	MP4B	Mx	.011	.25
82	MP4B	X	0	5.25
83	MP4B	Z	-25.182	5.25
84	MP4B	Mx	.011	5.25
85	MP4C	X	0	.25
86	MP4C	Z	-25.182	.25
87	MP4C	Mx	-.011	.25
88	MP4C	X	0	5.25
89	MP4C	Z	-25.182	5.25
90	MP4C	Mx	-.011	5.25
91	GPS	X	0	.25
92	GPS	Z	-1.913	.25
93	GPS	Mx	0	.25
94	RUB	X	0	.25
95	RUB	Z	-9.394	.25
96	RUB	Mx	0	.25
97	RUB	X	0	2.5
98	RUB	Z	-16.485	2.5
99	RUB	Mx	0	2.5
100	RUC	X	0	.25
101	RUC	Z	-9.394	.25
102	RUC	Mx	0	.25
103	RUC	X	0	2.5
104	RUC	Z	-16.485	2.5
105	RUC	Mx	0	2.5
106	MP3A	X	0	4
107	MP3A	Z	-7.654	4
108	MP3A	Mx	.002	4
109	MP3A	X	0	4
110	MP3A	Z	-7.654	4
111	MP3A	Mx	-.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	15.136	.25
2	MP3A	Z	-26.217	.25
3	MP3A	Mx	.008	.25
4	MP3A	X	15.136	5.25
5	MP3A	Z	-26.217	5.25
6	MP3A	Mx	.008	5.25
7	MP3B	X	11.318	.25
8	MP3B	Z	-19.604	.25
9	MP3B	Mx	.011	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP3B	X	11.318	5.25
11	MP3B	Z	-19.604	5.25
12	MP3B	Mx	.011	5.25
13	MP3C	X	15.136	.25
14	MP3C	Z	-26.217	.25
15	MP3C	Mx	-.023	.25
16	MP3C	X	15.136	5.25
17	MP3C	Z	-26.217	5.25
18	MP3C	Mx	-.023	5.25
19	MP3A	X	15.136	.25
20	MP3A	Z	-26.217	.25
21	MP3A	Mx	-.023	.25
22	MP3A	X	15.136	5.25
23	MP3A	Z	-26.217	5.25
24	MP3A	Mx	-.023	5.25
25	MP3B	X	11.318	.25
26	MP3B	Z	-19.604	.25
27	MP3B	Mx	.011	.25
28	MP3B	X	11.318	5.25
29	MP3B	Z	-19.604	5.25
30	MP3B	Mx	.011	5.25
31	MP3C	X	15.136	.25
32	MP3C	Z	-26.217	.25
33	MP3C	Mx	.008	.25
34	MP3C	X	15.136	5.25
35	MP3C	Z	-26.217	5.25
36	MP3C	Mx	.008	5.25
37	MP1A	X	8.374	2
38	MP1A	Z	-14.504	2
39	MP1A	Mx	-.004	2
40	MP1A	X	8.374	4
41	MP1A	Z	-14.504	4
42	MP1A	Mx	-.004	4
43	MP1B	X	4.167	2
44	MP1B	Z	-7.217	2
45	MP1B	Mx	.004	2
46	MP1B	X	4.167	4
47	MP1B	Z	-7.217	4
48	MP1B	Mx	.004	4
49	MP1C	X	8.374	2
50	MP1C	Z	-14.504	2
51	MP1C	Mx	-.004	2
52	MP1C	X	8.374	4
53	MP1C	Z	-14.504	4
54	MP1C	Mx	-.004	4
55	MP4B	X	13.244	.25
56	MP4B	Z	-22.939	.25
57	MP4B	Mx	-.013	.25
58	RUA	X	4.182	.25
59	RUA	Z	-7.244	.25
60	RUA	Mx	.002	.25
61	RUA	X	7.616	2.5
62	RUA	Z	-13.191	2.5
63	RUA	Mx	.004	2.5
64	MP2A	X	7.503	2
65	MP2A	Z	-12.995	2
66	MP2A	Mx	.004	2
67	MP2B	X	5.283	2
68	MP2B	Z	-9.151	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2B	Mx	-.005	2
70	MP2C	X	7.503	2
71	MP2C	Z	-12.995	2
72	MP2C	Mx	.004	2
73	MP4A	X	15.136	.25
74	MP4A	Z	-26.217	.25
75	MP4A	Mx	-.008	.25
76	MP4A	X	15.136	5.25
77	MP4A	Z	-26.217	5.25
78	MP4A	Mx	-.008	5.25
79	MP4B	X	11.318	.25
80	MP4B	Z	-19.604	.25
81	MP4B	Mx	.011	.25
82	MP4B	X	11.318	5.25
83	MP4B	Z	-19.604	5.25
84	MP4B	Mx	.011	5.25
85	MP4C	X	15.136	.25
86	MP4C	Z	-26.217	.25
87	MP4C	Mx	-.008	.25
88	MP4C	X	15.136	5.25
89	MP4C	Z	-26.217	5.25
90	MP4C	Mx	-.008	5.25
91	GPS	X	.956	.25
92	GPS	Z	-1.657	.25
93	GPS	Mx	0	.25
94	RUB	X	4.182	.25
95	RUB	Z	-7.244	.25
96	RUB	Mx	.002	.25
97	RUB	X	7.616	2.5
98	RUB	Z	-13.191	2.5
99	RUB	Mx	.004	2.5
100	RUC	X	4.182	.25
101	RUC	Z	-7.244	.25
102	RUC	Mx	.002	.25
103	RUC	X	7.616	2.5
104	RUC	Z	-13.191	2.5
105	RUC	Mx	.004	2.5
106	MP3A	X	2.416	4
107	MP3A	Z	-4.184	4
108	MP3A	Mx	.002	4
109	MP3A	X	2.416	4
110	MP3A	Z	-4.184	4
111	MP3A	Mx	-.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	21.808	.25
2	MP3A	Z	-12.591	.25
3	MP3A	Mx	-.004	.25
4	MP3A	X	21.808	5.25
5	MP3A	Z	-12.591	5.25
6	MP3A	Mx	-.004	5.25
7	MP3B	X	21.808	.25
8	MP3B	Z	-12.591	.25
9	MP3B	Mx	.018	.25
10	MP3B	X	21.808	5.25
11	MP3B	Z	-12.591	5.25
12	MP3B	Mx	.018	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3C	X	28.422	.25
14	MP3C	Z	-16.409	.25
15	MP3C	Mx	-.019	.25
16	MP3C	X	28.422	5.25
17	MP3C	Z	-16.409	5.25
18	MP3C	Mx	-.019	5.25
19	MP3A	X	21.808	.25
20	MP3A	Z	-12.591	.25
21	MP3A	Mx	-.018	.25
22	MP3A	X	21.808	5.25
23	MP3A	Z	-12.591	5.25
24	MP3A	Mx	-.018	5.25
25	MP3B	X	21.808	.25
26	MP3B	Z	-12.591	.25
27	MP3B	Mx	.004	.25
28	MP3B	X	21.808	5.25
29	MP3B	Z	-12.591	5.25
30	MP3B	Mx	.004	5.25
31	MP3C	X	28.422	.25
32	MP3C	Z	-16.409	.25
33	MP3C	Mx	.019	.25
34	MP3C	X	28.422	5.25
35	MP3C	Z	-16.409	5.25
36	MP3C	Mx	.019	5.25
37	MP1A	X	9.646	2
38	MP1A	Z	-5.569	2
39	MP1A	Mx	-.005	2
40	MP1A	X	9.646	4
41	MP1A	Z	-5.569	4
42	MP1A	Mx	-.005	4
43	MP1B	X	9.646	2
44	MP1B	Z	-5.569	2
45	MP1B	Mx	.005	2
46	MP1B	X	9.646	4
47	MP1B	Z	-5.569	4
48	MP1B	Mx	.005	4
49	MP1C	X	16.933	2
50	MP1C	Z	-9.776	2
51	MP1C	Mx	0	2
52	MP1C	X	16.933	4
53	MP1C	Z	-9.776	4
54	MP1C	Mx	0	4
55	MP4B	X	24.537	.25
56	MP4B	Z	-14.166	.25
57	MP4B	Mx	-.012	.25
58	RUA	X	5.461	.25
59	RUA	Z	-3.153	.25
60	RUA	Mx	.003	.25
61	RUA	X	11.019	2.5
62	RUA	Z	-6.362	2.5
63	RUA	Mx	.006	2.5
64	MP2A	X	10.432	2
65	MP2A	Z	-6.023	2
66	MP2A	Mx	.005	2
67	MP2B	X	10.432	2
68	MP2B	Z	-6.023	2
69	MP2B	Mx	-.005	2
70	MP2C	X	14.276	2
71	MP2C	Z	-8.242	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	0	2
73	MP4A	X	21.808	.25
74	MP4A	Z	-12.591	.25
75	MP4A	Mx	-.011	.25
76	MP4A	X	21.808	5.25
77	MP4A	Z	-12.591	5.25
78	MP4A	Mx	-.011	5.25
79	MP4B	X	21.808	.25
80	MP4B	Z	-12.591	.25
81	MP4B	Mx	.011	.25
82	MP4B	X	21.808	5.25
83	MP4B	Z	-12.591	5.25
84	MP4B	Mx	.011	5.25
85	MP4C	X	28.422	.25
86	MP4C	Z	-16.409	.25
87	MP4C	Mx	0	.25
88	MP4C	X	28.422	5.25
89	MP4C	Z	-16.409	5.25
90	MP4C	Mx	0	5.25
91	GPS	X	1.657	.25
92	GPS	Z	-.956	.25
93	GPS	Mx	0	.25
94	RUB	X	5.461	.25
95	RUB	Z	-3.153	.25
96	RUB	Mx	.003	.25
97	RUB	X	11.019	2.5
98	RUB	Z	-6.362	2.5
99	RUB	Mx	.006	2.5
100	RUC	X	5.461	.25
101	RUC	Z	-3.153	.25
102	RUC	Mx	.003	.25
103	RUC	X	11.019	2.5
104	RUC	Z	-6.362	2.5
105	RUC	Mx	.006	2.5
106	MP3A	X	2.962	4
107	MP3A	Z	-1.71	4
108	MP3A	Mx	.002	4
109	MP3A	X	2.962	4
110	MP3A	Z	-1.71	4
111	MP3A	Mx	-.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	22.636	.25
2	MP3A	Z	0	.25
3	MP3A	Mx	-.011	.25
4	MP3A	X	22.636	5.25
5	MP3A	Z	0	5.25
6	MP3A	Mx	-.011	5.25
7	MP3B	X	30.273	.25
8	MP3B	Z	0	.25
9	MP3B	Mx	.023	.25
10	MP3B	X	30.273	5.25
11	MP3B	Z	0	5.25
12	MP3B	Mx	.023	5.25
13	MP3C	X	30.273	.25
14	MP3C	Z	0	.25
15	MP3C	Mx	-.008	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3C	X	30.273	5.25
17	MP3C	Z	0	5.25
18	MP3C	Mx	-.008	5.25
19	MP3A	X	22.636	.25
20	MP3A	Z	0	.25
21	MP3A	Mx	-.011	.25
22	MP3A	X	22.636	5.25
23	MP3A	Z	0	5.25
24	MP3A	Mx	-.011	5.25
25	MP3B	X	30.273	.25
26	MP3B	Z	0	.25
27	MP3B	Mx	-.008	.25
28	MP3B	X	30.273	5.25
29	MP3B	Z	0	5.25
30	MP3B	Mx	-.008	5.25
31	MP3C	X	30.273	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	.023	.25
34	MP3C	X	30.273	5.25
35	MP3C	Z	0	5.25
36	MP3C	Mx	.023	5.25
37	MP1A	X	8.333	2
38	MP1A	Z	0	2
39	MP1A	Mx	-.004	2
40	MP1A	X	8.333	4
41	MP1A	Z	0	4
42	MP1A	Mx	-.004	4
43	MP1B	X	16.748	2
44	MP1B	Z	0	2
45	MP1B	Mx	.004	2
46	MP1B	X	16.748	4
47	MP1B	Z	0	4
48	MP1B	Mx	.004	4
49	MP1C	X	16.748	2
50	MP1C	Z	0	2
51	MP1C	Mx	.004	2
52	MP1C	X	16.748	4
53	MP1C	Z	0	4
54	MP1C	Mx	.004	4
55	MP4B	X	32.023	.25
56	MP4B	Z	0	.25
57	MP4B	Mx	-.008	.25
58	RUA	X	5.277	.25
59	RUA	Z	0	.25
60	RUA	Mx	.003	.25
61	RUA	X	11.47	2.5
62	RUA	Z	0	2.5
63	RUA	Mx	.006	2.5
64	MP2A	X	10.567	2
65	MP2A	Z	0	2
66	MP2A	Mx	.005	2
67	MP2B	X	15.005	2
68	MP2B	Z	0	2
69	MP2B	Mx	-.004	2
70	MP2C	X	15.005	2
71	MP2C	Z	0	2
72	MP2C	Mx	-.004	2
73	MP4A	X	22.636	.25
74	MP4A	Z	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP4A	Mx	-.011	.25
76	MP4A	X	22.636	5.25
77	MP4A	Z	0	5.25
78	MP4A	Mx	-.011	5.25
79	MP4B	X	30.273	.25
80	MP4B	Z	0	.25
81	MP4B	Mx	.008	.25
82	MP4B	X	30.273	5.25
83	MP4B	Z	0	5.25
84	MP4B	Mx	.008	5.25
85	MP4C	X	30.273	.25
86	MP4C	Z	0	.25
87	MP4C	Mx	.008	.25
88	MP4C	X	30.273	5.25
89	MP4C	Z	0	5.25
90	MP4C	Mx	.008	5.25
91	GPS	X	1.913	.25
92	GPS	Z	0	.25
93	GPS	Mx	0	.25
94	RUB	X	5.277	.25
95	RUB	Z	0	.25
96	RUB	Mx	.003	.25
97	RUB	X	11.47	2.5
98	RUB	Z	0	2.5
99	RUB	Mx	.006	2.5
100	RUC	X	5.277	.25
101	RUC	Z	0	.25
102	RUC	Mx	.003	.25
103	RUC	X	11.47	2.5
104	RUC	Z	0	2.5
105	RUC	Mx	.006	2.5
106	MP3A	X	4.831	4
107	MP3A	Z	0	4
108	MP3A	Mx	.002	4
109	MP3A	X	4.831	4
110	MP3A	Z	0	4
111	MP3A	Mx	-.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	21.808	.25
2	MP3A	Z	12.591	.25
3	MP3A	Mx	-.018	.25
4	MP3A	X	21.808	5.25
5	MP3A	Z	12.591	5.25
6	MP3A	Mx	-.018	5.25
7	MP3B	X	28.422	.25
8	MP3B	Z	16.409	.25
9	MP3B	Mx	.019	.25
10	MP3B	X	28.422	5.25
11	MP3B	Z	16.409	5.25
12	MP3B	Mx	.019	5.25
13	MP3C	X	21.808	.25
14	MP3C	Z	12.591	.25
15	MP3C	Mx	.004	.25
16	MP3C	X	21.808	5.25
17	MP3C	Z	12.591	5.25
18	MP3C	Mx	.004	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP3A	X	21.808	.25
20	MP3A	Z	12.591	.25
21	MP3A	Mx	-.004	.25
22	MP3A	X	21.808	5.25
23	MP3A	Z	12.591	5.25
24	MP3A	Mx	-.004	5.25
25	MP3B	X	28.422	.25
26	MP3B	Z	16.409	.25
27	MP3B	Mx	-.019	.25
28	MP3B	X	28.422	5.25
29	MP3B	Z	16.409	5.25
30	MP3B	Mx	-.019	5.25
31	MP3C	X	21.808	.25
32	MP3C	Z	12.591	.25
33	MP3C	Mx	.018	.25
34	MP3C	X	21.808	5.25
35	MP3C	Z	12.591	5.25
36	MP3C	Mx	.018	5.25
37	MP1A	X	9.646	2
38	MP1A	Z	5.569	2
39	MP1A	Mx	-.005	2
40	MP1A	X	9.646	4
41	MP1A	Z	5.569	4
42	MP1A	Mx	-.005	4
43	MP1B	X	16.933	2
44	MP1B	Z	9.776	2
45	MP1B	Mx	0	2
46	MP1B	X	16.933	4
47	MP1B	Z	9.776	4
48	MP1B	Mx	0	4
49	MP1C	X	9.646	2
50	MP1C	Z	5.569	2
51	MP1C	Mx	.005	2
52	MP1C	X	9.646	4
53	MP1C	Z	5.569	4
54	MP1C	Mx	.005	4
55	MP4B	X	29.33	.25
56	MP4B	Z	16.934	.25
57	MP4B	Mx	0	.25
58	RUA	X	5.461	.25
59	RUA	Z	3.153	.25
60	RUA	Mx	.003	.25
61	RUA	X	11.019	2.5
62	RUA	Z	6.362	2.5
63	RUA	Mx	.006	2.5
64	MP2A	X	10.432	2
65	MP2A	Z	6.023	2
66	MP2A	Mx	.005	2
67	MP2B	X	14.276	2
68	MP2B	Z	8.242	2
69	MP2B	Mx	0	2
70	MP2C	X	10.432	2
71	MP2C	Z	6.023	2
72	MP2C	Mx	-.005	2
73	MP4A	X	21.808	.25
74	MP4A	Z	12.591	.25
75	MP4A	Mx	-.011	.25
76	MP4A	X	21.808	5.25
77	MP4A	Z	12.591	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP4A	Mx	-.011	5.25
79	MP4B	X	28.422	.25
80	MP4B	Z	16.409	.25
81	MP4B	Mx	0	.25
82	MP4B	X	28.422	5.25
83	MP4B	Z	16.409	5.25
84	MP4B	Mx	0	5.25
85	MP4C	X	21.808	.25
86	MP4C	Z	12.591	.25
87	MP4C	Mx	.011	.25
88	MP4C	X	21.808	5.25
89	MP4C	Z	12.591	5.25
90	MP4C	Mx	.011	5.25
91	GPS	X	1.657	.25
92	GPS	Z	.956	.25
93	GPS	Mx	0	.25
94	RUB	X	5.461	.25
95	RUB	Z	3.153	.25
96	RUB	Mx	.003	.25
97	RUB	X	11.019	2.5
98	RUB	Z	6.362	2.5
99	RUB	Mx	.006	2.5
100	RUC	X	5.461	.25
101	RUC	Z	3.153	.25
102	RUC	Mx	.003	.25
103	RUC	X	11.019	2.5
104	RUC	Z	6.362	2.5
105	RUC	Mx	.006	2.5
106	MP3A	X	6.629	4
107	MP3A	Z	3.827	4
108	MP3A	Mx	.002	4
109	MP3A	X	6.629	4
110	MP3A	Z	3.827	4
111	MP3A	Mx	-.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	15.136	.25
2	MP3A	Z	26.217	.25
3	MP3A	Mx	-.023	.25
4	MP3A	X	15.136	5.25
5	MP3A	Z	26.217	5.25
6	MP3A	Mx	-.023	5.25
7	MP3B	X	15.136	.25
8	MP3B	Z	26.217	.25
9	MP3B	Mx	.008	.25
10	MP3B	X	15.136	5.25
11	MP3B	Z	26.217	5.25
12	MP3B	Mx	.008	5.25
13	MP3C	X	11.318	.25
14	MP3C	Z	19.604	.25
15	MP3C	Mx	.011	.25
16	MP3C	X	11.318	5.25
17	MP3C	Z	19.604	5.25
18	MP3C	Mx	.011	5.25
19	MP3A	X	15.136	.25
20	MP3A	Z	26.217	.25
21	MP3A	Mx	.008	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP3A	X	15.136	5.25
23	MP3A	Z	26.217	5.25
24	MP3A	Mx	.008	5.25
25	MP3B	X	15.136	.25
26	MP3B	Z	26.217	.25
27	MP3B	Mx	-.023	.25
28	MP3B	X	15.136	5.25
29	MP3B	Z	26.217	5.25
30	MP3B	Mx	-.023	5.25
31	MP3C	X	11.318	.25
32	MP3C	Z	19.604	.25
33	MP3C	Mx	.011	.25
34	MP3C	X	11.318	5.25
35	MP3C	Z	19.604	5.25
36	MP3C	Mx	.011	5.25
37	MP1A	X	8.374	2
38	MP1A	Z	14.504	2
39	MP1A	Mx	-.004	2
40	MP1A	X	8.374	4
41	MP1A	Z	14.504	4
42	MP1A	Mx	-.004	4
43	MP1B	X	8.374	2
44	MP1B	Z	14.504	2
45	MP1B	Mx	-.004	2
46	MP1B	X	8.374	4
47	MP1B	Z	14.504	4
48	MP1B	Mx	-.004	4
49	MP1C	X	4.167	2
50	MP1C	Z	7.217	2
51	MP1C	Mx	.004	2
52	MP1C	X	4.167	4
53	MP1C	Z	7.217	4
54	MP1C	Mx	.004	4
55	MP4B	X	16.011	.25
56	MP4B	Z	27.732	.25
57	MP4B	Mx	.008	.25
58	RUA	X	4.182	.25
59	RUA	Z	7.244	.25
60	RUA	Mx	.002	.25
61	RUA	X	7.616	2.5
62	RUA	Z	13.191	2.5
63	RUA	Mx	.004	2.5
64	MP2A	X	7.503	2
65	MP2A	Z	12.995	2
66	MP2A	Mx	.004	2
67	MP2B	X	7.503	2
68	MP2B	Z	12.995	2
69	MP2B	Mx	.004	2
70	MP2C	X	5.283	2
71	MP2C	Z	9.151	2
72	MP2C	Mx	-.005	2
73	MP4A	X	15.136	.25
74	MP4A	Z	26.217	.25
75	MP4A	Mx	-.008	.25
76	MP4A	X	15.136	5.25
77	MP4A	Z	26.217	5.25
78	MP4A	Mx	-.008	5.25
79	MP4B	X	15.136	.25
80	MP4B	Z	26.217	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP4B	Mx	-.008	.25
82	MP4B	X	15.136	5.25
83	MP4B	Z	26.217	5.25
84	MP4B	Mx	-.008	5.25
85	MP4C	X	11.318	.25
86	MP4C	Z	19.604	.25
87	MP4C	Mx	.011	.25
88	MP4C	X	11.318	5.25
89	MP4C	Z	19.604	5.25
90	MP4C	Mx	.011	5.25
91	GPS	X	.956	.25
92	GPS	Z	1.657	.25
93	GPS	Mx	0	.25
94	RUB	X	4.182	.25
95	RUB	Z	7.244	.25
96	RUB	Mx	.002	.25
97	RUB	X	7.616	2.5
98	RUB	Z	13.191	2.5
99	RUB	Mx	.004	2.5
100	RUC	X	4.182	.25
101	RUC	Z	7.244	.25
102	RUC	Mx	.002	.25
103	RUC	X	7.616	2.5
104	RUC	Z	13.191	2.5
105	RUC	Mx	.004	2.5
106	MP3A	X	4.533	4
107	MP3A	Z	7.851	4
108	MP3A	Mx	0	4
109	MP3A	X	4.533	4
110	MP3A	Z	7.851	4
111	MP3A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.25
2	MP3A	Z	32.818	.25
3	MP3A	Mx	-.019	.25
4	MP3A	X	0	5.25
5	MP3A	Z	32.818	5.25
6	MP3A	Mx	-.019	5.25
7	MP3B	X	0	.25
8	MP3B	Z	25.182	.25
9	MP3B	Mx	-.004	.25
10	MP3B	X	0	5.25
11	MP3B	Z	25.182	5.25
12	MP3B	Mx	-.004	5.25
13	MP3C	X	0	.25
14	MP3C	Z	25.182	.25
15	MP3C	Mx	.018	.25
16	MP3C	X	0	5.25
17	MP3C	Z	25.182	5.25
18	MP3C	Mx	.018	5.25
19	MP3A	X	0	.25
20	MP3A	Z	32.818	.25
21	MP3A	Mx	.019	.25
22	MP3A	X	0	5.25
23	MP3A	Z	32.818	5.25
24	MP3A	Mx	.019	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	0	.25
26	MP3B	Z	25.182	.25
27	MP3B	Mx	-.018	.25
28	MP3B	X	0	5.25
29	MP3B	Z	25.182	5.25
30	MP3B	Mx	-.018	5.25
31	MP3C	X	0	.25
32	MP3C	Z	25.182	.25
33	MP3C	Mx	.004	.25
34	MP3C	X	0	5.25
35	MP3C	Z	25.182	5.25
36	MP3C	Mx	.004	5.25
37	MP1A	X	0	2
38	MP1A	Z	19.553	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4
41	MP1A	Z	19.553	4
42	MP1A	Mx	0	4
43	MP1B	X	0	2
44	MP1B	Z	11.138	2
45	MP1B	Mx	-.005	2
46	MP1B	X	0	4
47	MP1B	Z	11.138	4
48	MP1B	Mx	-.005	4
49	MP1C	X	0	2
50	MP1C	Z	11.138	2
51	MP1C	Mx	.005	2
52	MP1C	X	0	4
53	MP1C	Z	11.138	4
54	MP1C	Mx	.005	4
55	MP4B	X	0	.25
56	MP4B	Z	28.332	.25
57	MP4B	Mx	.012	.25
58	RUA	X	0	.25
59	RUA	Z	9.394	.25
60	RUA	Mx	0	.25
61	RUA	X	0	2.5
62	RUA	Z	16.485	2.5
63	RUA	Mx	0	2.5
64	MP2A	X	0	2
65	MP2A	Z	16.485	2
66	MP2A	Mx	0	2
67	MP2B	X	0	2
68	MP2B	Z	12.046	2
69	MP2B	Mx	.005	2
70	MP2C	X	0	2
71	MP2C	Z	12.046	2
72	MP2C	Mx	-.005	2
73	MP4A	X	0	.25
74	MP4A	Z	32.818	.25
75	MP4A	Mx	0	.25
76	MP4A	X	0	5.25
77	MP4A	Z	32.818	5.25
78	MP4A	Mx	0	5.25
79	MP4B	X	0	.25
80	MP4B	Z	25.182	.25
81	MP4B	Mx	-.011	.25
82	MP4B	X	0	5.25
83	MP4B	Z	25.182	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP4B	Mx	-.011	5.25
85	MP4C	X	0	.25
86	MP4C	Z	25.182	.25
87	MP4C	Mx	.011	.25
88	MP4C	X	0	5.25
89	MP4C	Z	25.182	5.25
90	MP4C	Mx	.011	5.25
91	GPS	X	0	.25
92	GPS	Z	1.913	.25
93	GPS	Mx	0	.25
94	RUB	X	0	.25
95	RUB	Z	9.394	.25
96	RUB	Mx	0	.25
97	RUB	X	0	2.5
98	RUB	Z	16.485	2.5
99	RUB	Mx	0	2.5
100	RUC	X	0	.25
101	RUC	Z	9.394	.25
102	RUC	Mx	0	.25
103	RUC	X	0	2.5
104	RUC	Z	16.485	2.5
105	RUC	Mx	0	2.5
106	MP3A	X	0	4
107	MP3A	Z	7.654	4
108	MP3A	Mx	-.002	4
109	MP3A	X	0	4
110	MP3A	Z	7.654	4
111	MP3A	Mx	.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-15.136	.25
2	MP3A	Z	26.217	.25
3	MP3A	Mx	-.008	.25
4	MP3A	X	-15.136	5.25
5	MP3A	Z	26.217	5.25
6	MP3A	Mx	-.008	5.25
7	MP3B	X	-11.318	.25
8	MP3B	Z	19.604	.25
9	MP3B	Mx	-.011	.25
10	MP3B	X	-11.318	5.25
11	MP3B	Z	19.604	5.25
12	MP3B	Mx	-.011	5.25
13	MP3C	X	-15.136	.25
14	MP3C	Z	26.217	.25
15	MP3C	Mx	.023	.25
16	MP3C	X	-15.136	5.25
17	MP3C	Z	26.217	5.25
18	MP3C	Mx	.023	5.25
19	MP3A	X	-15.136	.25
20	MP3A	Z	26.217	.25
21	MP3A	Mx	.023	.25
22	MP3A	X	-15.136	5.25
23	MP3A	Z	26.217	5.25
24	MP3A	Mx	.023	5.25
25	MP3B	X	-11.318	.25
26	MP3B	Z	19.604	.25
27	MP3B	Mx	-.011	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP3B	X	-11.318	5.25
29	MP3B	Z	19.604	5.25
30	MP3B	Mx	-.011	5.25
31	MP3C	X	-15.136	.25
32	MP3C	Z	26.217	.25
33	MP3C	Mx	-.008	.25
34	MP3C	X	-15.136	5.25
35	MP3C	Z	26.217	5.25
36	MP3C	Mx	-.008	5.25
37	MP1A	X	-8.374	2
38	MP1A	Z	14.504	2
39	MP1A	Mx	.004	2
40	MP1A	X	-8.374	4
41	MP1A	Z	14.504	4
42	MP1A	Mx	.004	4
43	MP1B	X	-4.167	2
44	MP1B	Z	7.217	2
45	MP1B	Mx	-.004	2
46	MP1B	X	-4.167	4
47	MP1B	Z	7.217	4
48	MP1B	Mx	-.004	4
49	MP1C	X	-8.374	2
50	MP1C	Z	14.504	2
51	MP1C	Mx	.004	2
52	MP1C	X	-8.374	4
53	MP1C	Z	14.504	4
54	MP1C	Mx	.004	4
55	MP4B	X	-13.244	.25
56	MP4B	Z	22.939	.25
57	MP4B	Mx	.013	.25
58	RUA	X	-4.182	.25
59	RUA	Z	7.244	.25
60	RUA	Mx	-.002	.25
61	RUA	X	-7.616	2.5
62	RUA	Z	13.191	2.5
63	RUA	Mx	-.004	2.5
64	MP2A	X	-7.503	2
65	MP2A	Z	12.995	2
66	MP2A	Mx	-.004	2
67	MP2B	X	-5.283	2
68	MP2B	Z	9.151	2
69	MP2B	Mx	.005	2
70	MP2C	X	-7.503	2
71	MP2C	Z	12.995	2
72	MP2C	Mx	-.004	2
73	MP4A	X	-15.136	.25
74	MP4A	Z	26.217	.25
75	MP4A	Mx	.008	.25
76	MP4A	X	-15.136	5.25
77	MP4A	Z	26.217	5.25
78	MP4A	Mx	.008	5.25
79	MP4B	X	-11.318	.25
80	MP4B	Z	19.604	.25
81	MP4B	Mx	-.011	.25
82	MP4B	X	-11.318	5.25
83	MP4B	Z	19.604	5.25
84	MP4B	Mx	-.011	5.25
85	MP4C	X	-15.136	.25
86	MP4C	Z	26.217	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP4C	Mx	.008	.25
88	MP4C	X	-15.136	5.25
89	MP4C	Z	26.217	5.25
90	MP4C	Mx	.008	5.25
91	GPS	X	-.956	.25
92	GPS	Z	1.657	.25
93	GPS	Mx	0	.25
94	RUB	X	-4.182	.25
95	RUB	Z	7.244	.25
96	RUB	Mx	-.002	.25
97	RUB	X	-7.616	2.5
98	RUB	Z	13.191	2.5
99	RUB	Mx	-.004	2.5
100	RUC	X	-4.182	.25
101	RUC	Z	7.244	.25
102	RUC	Mx	-.002	.25
103	RUC	X	-7.616	2.5
104	RUC	Z	13.191	2.5
105	RUC	Mx	-.004	2.5
106	MP3A	X	-2.416	4
107	MP3A	Z	4.184	4
108	MP3A	Mx	-.002	4
109	MP3A	X	-2.416	4
110	MP3A	Z	4.184	4
111	MP3A	Mx	.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-21.808	.25
2	MP3A	Z	12.591	.25
3	MP3A	Mx	.004	.25
4	MP3A	X	-21.808	5.25
5	MP3A	Z	12.591	5.25
6	MP3A	Mx	.004	5.25
7	MP3B	X	-21.808	.25
8	MP3B	Z	12.591	.25
9	MP3B	Mx	-.018	.25
10	MP3B	X	-21.808	5.25
11	MP3B	Z	12.591	5.25
12	MP3B	Mx	-.018	5.25
13	MP3C	X	-28.422	.25
14	MP3C	Z	16.409	.25
15	MP3C	Mx	.019	.25
16	MP3C	X	-28.422	5.25
17	MP3C	Z	16.409	5.25
18	MP3C	Mx	.019	5.25
19	MP3A	X	-21.808	.25
20	MP3A	Z	12.591	.25
21	MP3A	Mx	.018	.25
22	MP3A	X	-21.808	5.25
23	MP3A	Z	12.591	5.25
24	MP3A	Mx	.018	5.25
25	MP3B	X	-21.808	.25
26	MP3B	Z	12.591	.25
27	MP3B	Mx	-.004	.25
28	MP3B	X	-21.808	5.25
29	MP3B	Z	12.591	5.25
30	MP3B	Mx	-.004	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP3C	X	-28.422	.25
32	MP3C	Z	16.409	.25
33	MP3C	Mx	-.019	.25
34	MP3C	X	-28.422	5.25
35	MP3C	Z	16.409	5.25
36	MP3C	Mx	-.019	5.25
37	MP1A	X	-9.646	2
38	MP1A	Z	5.569	2
39	MP1A	Mx	.005	2
40	MP1A	X	-9.646	4
41	MP1A	Z	5.569	4
42	MP1A	Mx	.005	4
43	MP1B	X	-9.646	2
44	MP1B	Z	5.569	2
45	MP1B	Mx	-.005	2
46	MP1B	X	-9.646	4
47	MP1B	Z	5.569	4
48	MP1B	Mx	-.005	4
49	MP1C	X	-16.933	2
50	MP1C	Z	9.776	2
51	MP1C	Mx	0	2
52	MP1C	X	-16.933	4
53	MP1C	Z	9.776	4
54	MP1C	Mx	0	4
55	MP4B	X	-24.537	.25
56	MP4B	Z	14.166	.25
57	MP4B	Mx	.012	.25
58	RUA	X	-5.461	.25
59	RUA	Z	3.153	.25
60	RUA	Mx	-.003	.25
61	RUA	X	-11.019	2.5
62	RUA	Z	6.362	2.5
63	RUA	Mx	-.006	2.5
64	MP2A	X	-10.432	2
65	MP2A	Z	6.023	2
66	MP2A	Mx	-.005	2
67	MP2B	X	-10.432	2
68	MP2B	Z	6.023	2
69	MP2B	Mx	.005	2
70	MP2C	X	-14.276	2
71	MP2C	Z	8.242	2
72	MP2C	Mx	0	2
73	MP4A	X	-21.808	.25
74	MP4A	Z	12.591	.25
75	MP4A	Mx	.011	.25
76	MP4A	X	-21.808	5.25
77	MP4A	Z	12.591	5.25
78	MP4A	Mx	.011	5.25
79	MP4B	X	-21.808	.25
80	MP4B	Z	12.591	.25
81	MP4B	Mx	-.011	.25
82	MP4B	X	-21.808	5.25
83	MP4B	Z	12.591	5.25
84	MP4B	Mx	-.011	5.25
85	MP4C	X	-28.422	.25
86	MP4C	Z	16.409	.25
87	MP4C	Mx	0	.25
88	MP4C	X	-28.422	5.25
89	MP4C	Z	16.409	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP4C	Mx	0	5.25
91	GPS	X	-1.657	.25
92	GPS	Z	.956	.25
93	GPS	Mx	0	.25
94	RUB	X	-5.461	.25
95	RUB	Z	3.153	.25
96	RUB	Mx	-.003	.25
97	RUB	X	-11.019	2.5
98	RUB	Z	6.362	2.5
99	RUB	Mx	-.006	2.5
100	RUC	X	-5.461	.25
101	RUC	Z	3.153	.25
102	RUC	Mx	-.003	.25
103	RUC	X	-11.019	2.5
104	RUC	Z	6.362	2.5
105	RUC	Mx	-.006	2.5
106	MP3A	X	-2.962	4
107	MP3A	Z	1.71	4
108	MP3A	Mx	-.002	4
109	MP3A	X	-2.962	4
110	MP3A	Z	1.71	4
111	MP3A	Mx	.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-22.636	.25
2	MP3A	Z	0	.25
3	MP3A	Mx	.011	.25
4	MP3A	X	-22.636	5.25
5	MP3A	Z	0	5.25
6	MP3A	Mx	.011	5.25
7	MP3B	X	-30.273	.25
8	MP3B	Z	0	.25
9	MP3B	Mx	-.023	.25
10	MP3B	X	-30.273	5.25
11	MP3B	Z	0	5.25
12	MP3B	Mx	-.023	5.25
13	MP3C	X	-30.273	.25
14	MP3C	Z	0	.25
15	MP3C	Mx	.008	.25
16	MP3C	X	-30.273	5.25
17	MP3C	Z	0	5.25
18	MP3C	Mx	.008	5.25
19	MP3A	X	-22.636	.25
20	MP3A	Z	0	.25
21	MP3A	Mx	.011	.25
22	MP3A	X	-22.636	5.25
23	MP3A	Z	0	5.25
24	MP3A	Mx	.011	5.25
25	MP3B	X	-30.273	.25
26	MP3B	Z	0	.25
27	MP3B	Mx	.008	.25
28	MP3B	X	-30.273	5.25
29	MP3B	Z	0	5.25
30	MP3B	Mx	.008	5.25
31	MP3C	X	-30.273	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	-.023	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3C	X	-30.273	5.25
35	MP3C	Z	0	5.25
36	MP3C	Mx	-.023	5.25
37	MP1A	X	-8.333	2
38	MP1A	Z	0	2
39	MP1A	Mx	.004	2
40	MP1A	X	-8.333	4
41	MP1A	Z	0	4
42	MP1A	Mx	.004	4
43	MP1B	X	-16.748	2
44	MP1B	Z	0	2
45	MP1B	Mx	-.004	2
46	MP1B	X	-16.748	4
47	MP1B	Z	0	4
48	MP1B	Mx	-.004	4
49	MP1C	X	-16.748	2
50	MP1C	Z	0	2
51	MP1C	Mx	-.004	2
52	MP1C	X	-16.748	4
53	MP1C	Z	0	4
54	MP1C	Mx	-.004	4
55	MP4B	X	-32.023	.25
56	MP4B	Z	0	.25
57	MP4B	Mx	.008	.25
58	RUA	X	-5.277	.25
59	RUA	Z	0	.25
60	RUA	Mx	-.003	.25
61	RUA	X	-11.47	2.5
62	RUA	Z	0	2.5
63	RUA	Mx	-.006	2.5
64	MP2A	X	-10.567	2
65	MP2A	Z	0	2
66	MP2A	Mx	-.005	2
67	MP2B	X	-15.005	2
68	MP2B	Z	0	2
69	MP2B	Mx	.004	2
70	MP2C	X	-15.005	2
71	MP2C	Z	0	2
72	MP2C	Mx	.004	2
73	MP4A	X	-22.636	.25
74	MP4A	Z	0	.25
75	MP4A	Mx	.011	.25
76	MP4A	X	-22.636	5.25
77	MP4A	Z	0	5.25
78	MP4A	Mx	.011	5.25
79	MP4B	X	-30.273	.25
80	MP4B	Z	0	.25
81	MP4B	Mx	-.008	.25
82	MP4B	X	-30.273	5.25
83	MP4B	Z	0	5.25
84	MP4B	Mx	-.008	5.25
85	MP4C	X	-30.273	.25
86	MP4C	Z	0	.25
87	MP4C	Mx	-.008	.25
88	MP4C	X	-30.273	5.25
89	MP4C	Z	0	5.25
90	MP4C	Mx	-.008	5.25
91	GPS	X	-1.913	.25
92	GPS	Z	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	GPS	Mx	0	.25
94	RUB	X	-5.277	.25
95	RUB	Z	0	.25
96	RUB	Mx	-.003	.25
97	RUB	X	-11.47	2.5
98	RUB	Z	0	2.5
99	RUB	Mx	-.006	2.5
100	RUC	X	-5.277	.25
101	RUC	Z	0	.25
102	RUC	Mx	-.003	.25
103	RUC	X	-11.47	2.5
104	RUC	Z	0	2.5
105	RUC	Mx	-.006	2.5
106	MP3A	X	-4.831	4
107	MP3A	Z	0	4
108	MP3A	Mx	-.002	4
109	MP3A	X	-4.831	4
110	MP3A	Z	0	4
111	MP3A	Mx	.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-21.808	.25
2	MP3A	Z	-12.591	.25
3	MP3A	Mx	.018	.25
4	MP3A	X	-21.808	5.25
5	MP3A	Z	-12.591	5.25
6	MP3A	Mx	.018	5.25
7	MP3B	X	-28.422	.25
8	MP3B	Z	-16.409	.25
9	MP3B	Mx	-.019	.25
10	MP3B	X	-28.422	5.25
11	MP3B	Z	-16.409	5.25
12	MP3B	Mx	-.019	5.25
13	MP3C	X	-21.808	.25
14	MP3C	Z	-12.591	.25
15	MP3C	Mx	-.004	.25
16	MP3C	X	-21.808	5.25
17	MP3C	Z	-12.591	5.25
18	MP3C	Mx	-.004	5.25
19	MP3A	X	-21.808	.25
20	MP3A	Z	-12.591	.25
21	MP3A	Mx	.004	.25
22	MP3A	X	-21.808	5.25
23	MP3A	Z	-12.591	5.25
24	MP3A	Mx	.004	5.25
25	MP3B	X	-28.422	.25
26	MP3B	Z	-16.409	.25
27	MP3B	Mx	.019	.25
28	MP3B	X	-28.422	5.25
29	MP3B	Z	-16.409	5.25
30	MP3B	Mx	.019	5.25
31	MP3C	X	-21.808	.25
32	MP3C	Z	-12.591	.25
33	MP3C	Mx	-.018	.25
34	MP3C	X	-21.808	5.25
35	MP3C	Z	-12.591	5.25
36	MP3C	Mx	-.018	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP1A	X	-9.646	2
38	MP1A	Z	-5.569	2
39	MP1A	Mx	.005	2
40	MP1A	X	-9.646	4
41	MP1A	Z	-5.569	4
42	MP1A	Mx	.005	4
43	MP1B	X	-16.933	2
44	MP1B	Z	-9.776	2
45	MP1B	Mx	0	2
46	MP1B	X	-16.933	4
47	MP1B	Z	-9.776	4
48	MP1B	Mx	0	4
49	MP1C	X	-9.646	2
50	MP1C	Z	-5.569	2
51	MP1C	Mx	-.005	2
52	MP1C	X	-9.646	4
53	MP1C	Z	-5.569	4
54	MP1C	Mx	-.005	4
55	MP4B	X	-29.33	.25
56	MP4B	Z	-16.934	.25
57	MP4B	Mx	0	.25
58	RUA	X	-5.461	.25
59	RUA	Z	-3.153	.25
60	RUA	Mx	-.003	.25
61	RUA	X	-11.019	2.5
62	RUA	Z	-6.362	2.5
63	RUA	Mx	-.006	2.5
64	MP2A	X	-10.432	2
65	MP2A	Z	-6.023	2
66	MP2A	Mx	-.005	2
67	MP2B	X	-14.276	2
68	MP2B	Z	-8.242	2
69	MP2B	Mx	0	2
70	MP2C	X	-10.432	2
71	MP2C	Z	-6.023	2
72	MP2C	Mx	.005	2
73	MP4A	X	-21.808	.25
74	MP4A	Z	-12.591	.25
75	MP4A	Mx	.011	.25
76	MP4A	X	-21.808	5.25
77	MP4A	Z	-12.591	5.25
78	MP4A	Mx	.011	5.25
79	MP4B	X	-28.422	.25
80	MP4B	Z	-16.409	.25
81	MP4B	Mx	0	.25
82	MP4B	X	-28.422	5.25
83	MP4B	Z	-16.409	5.25
84	MP4B	Mx	0	5.25
85	MP4C	X	-21.808	.25
86	MP4C	Z	-12.591	.25
87	MP4C	Mx	-.011	.25
88	MP4C	X	-21.808	5.25
89	MP4C	Z	-12.591	5.25
90	MP4C	Mx	-.011	5.25
91	GPS	X	-1.657	.25
92	GPS	Z	-.956	.25
93	GPS	Mx	0	.25
94	RUB	X	-5.461	.25
95	RUB	Z	-3.153	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	RUB	Mx	-.003	.25
97	RUB	X	-11.019	2.5
98	RUB	Z	-6.362	2.5
99	RUB	Mx	-.006	2.5
100	RUC	X	-5.461	.25
101	RUC	Z	-3.153	.25
102	RUC	Mx	-.003	.25
103	RUC	X	-11.019	2.5
104	RUC	Z	-6.362	2.5
105	RUC	Mx	-.006	2.5
106	MP3A	X	-6.629	4
107	MP3A	Z	-3.827	4
108	MP3A	Mx	-.002	4
109	MP3A	X	-6.629	4
110	MP3A	Z	-3.827	4
111	MP3A	Mx	.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-15.136	.25
2	MP3A	Z	-26.217	.25
3	MP3A	Mx	.023	.25
4	MP3A	X	-15.136	5.25
5	MP3A	Z	-26.217	5.25
6	MP3A	Mx	.023	5.25
7	MP3B	X	-15.136	.25
8	MP3B	Z	-26.217	.25
9	MP3B	Mx	-.008	.25
10	MP3B	X	-15.136	5.25
11	MP3B	Z	-26.217	5.25
12	MP3B	Mx	-.008	5.25
13	MP3C	X	-11.318	.25
14	MP3C	Z	-19.604	.25
15	MP3C	Mx	-.011	.25
16	MP3C	X	-11.318	5.25
17	MP3C	Z	-19.604	5.25
18	MP3C	Mx	-.011	5.25
19	MP3A	X	-15.136	.25
20	MP3A	Z	-26.217	.25
21	MP3A	Mx	-.008	.25
22	MP3A	X	-15.136	5.25
23	MP3A	Z	-26.217	5.25
24	MP3A	Mx	-.008	5.25
25	MP3B	X	-15.136	.25
26	MP3B	Z	-26.217	.25
27	MP3B	Mx	.023	.25
28	MP3B	X	-15.136	5.25
29	MP3B	Z	-26.217	5.25
30	MP3B	Mx	.023	5.25
31	MP3C	X	-11.318	.25
32	MP3C	Z	-19.604	.25
33	MP3C	Mx	-.011	.25
34	MP3C	X	-11.318	5.25
35	MP3C	Z	-19.604	5.25
36	MP3C	Mx	-.011	5.25
37	MP1A	X	-8.374	2
38	MP1A	Z	-14.504	2
39	MP1A	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP1A	X	-8.374	4
41	MP1A	Z	-14.504	4
42	MP1A	Mx	.004	4
43	MP1B	X	-8.374	2
44	MP1B	Z	-14.504	2
45	MP1B	Mx	.004	2
46	MP1B	X	-8.374	4
47	MP1B	Z	-14.504	4
48	MP1B	Mx	.004	4
49	MP1C	X	-4.167	2
50	MP1C	Z	-7.217	2
51	MP1C	Mx	-.004	2
52	MP1C	X	-4.167	4
53	MP1C	Z	-7.217	4
54	MP1C	Mx	-.004	4
55	MP4B	X	-16.011	.25
56	MP4B	Z	-27.732	.25
57	MP4B	Mx	-.008	.25
58	RUA	X	-4.182	.25
59	RUA	Z	-7.244	.25
60	RUA	Mx	-.002	.25
61	RUA	X	-7.616	2.5
62	RUA	Z	-13.191	2.5
63	RUA	Mx	-.004	2.5
64	MP2A	X	-7.503	2
65	MP2A	Z	-12.995	2
66	MP2A	Mx	-.004	2
67	MP2B	X	-7.503	2
68	MP2B	Z	-12.995	2
69	MP2B	Mx	-.004	2
70	MP2C	X	-5.283	2
71	MP2C	Z	-9.151	2
72	MP2C	Mx	.005	2
73	MP4A	X	-15.136	.25
74	MP4A	Z	-26.217	.25
75	MP4A	Mx	.008	.25
76	MP4A	X	-15.136	5.25
77	MP4A	Z	-26.217	5.25
78	MP4A	Mx	.008	5.25
79	MP4B	X	-15.136	.25
80	MP4B	Z	-26.217	.25
81	MP4B	Mx	.008	.25
82	MP4B	X	-15.136	5.25
83	MP4B	Z	-26.217	5.25
84	MP4B	Mx	.008	5.25
85	MP4C	X	-11.318	.25
86	MP4C	Z	-19.604	.25
87	MP4C	Mx	-.011	.25
88	MP4C	X	-11.318	5.25
89	MP4C	Z	-19.604	5.25
90	MP4C	Mx	-.011	5.25
91	GPS	X	-.956	.25
92	GPS	Z	-1.657	.25
93	GPS	Mx	0	.25
94	RUB	X	-4.182	.25
95	RUB	Z	-7.244	.25
96	RUB	Mx	-.002	.25
97	RUB	X	-7.616	2.5
98	RUB	Z	-13.191	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	RUB	Mx	-.004	2.5
100	RUC	X	-4.182	.25
101	RUC	Z	-7.244	.25
102	RUC	Mx	-.002	.25
103	RUC	X	-7.616	2.5
104	RUC	Z	-13.191	2.5
105	RUC	Mx	-.004	2.5
106	MP3A	X	-4.533	4
107	MP3A	Z	-7.851	4
108	MP3A	Mx	0	4
109	MP3A	X	-4.533	4
110	MP3A	Z	-7.851	4
111	MP3A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.25
2	MP3A	Z	-7.193	.25
3	MP3A	Mx	.004	.25
4	MP3A	X	0	5.25
5	MP3A	Z	-7.193	5.25
6	MP3A	Mx	.004	5.25
7	MP3B	X	0	.25
8	MP3B	Z	-4.113	.25
9	MP3B	Mx	.000581	.25
10	MP3B	X	0	5.25
11	MP3B	Z	-4.113	5.25
12	MP3B	Mx	.000581	5.25
13	MP3C	X	0	.25
14	MP3C	Z	-4.113	.25
15	MP3C	Mx	-.003	.25
16	MP3C	X	0	5.25
17	MP3C	Z	-4.113	5.25
18	MP3C	Mx	-.003	5.25
19	MP3A	X	0	.25
20	MP3A	Z	-10.664	.25
21	MP3A	Mx	-.006	.25
22	MP3A	X	0	5.25
23	MP3A	Z	-10.664	5.25
24	MP3A	Mx	-.006	5.25
25	MP3B	X	0	.25
26	MP3B	Z	-7.973	.25
27	MP3B	Mx	.006	.25
28	MP3B	X	0	5.25
29	MP3B	Z	-7.973	5.25
30	MP3B	Mx	.006	5.25
31	MP3C	X	0	.25
32	MP3C	Z	-7.973	.25
33	MP3C	Mx	-.001	.25
34	MP3C	X	0	5.25
35	MP3C	Z	-7.973	5.25
36	MP3C	Mx	-.001	5.25
37	MP1A	X	0	2
38	MP1A	Z	-5.193	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4
41	MP1A	Z	-5.193	4
42	MP1A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP1B	X	0	2
44	MP1B	Z	-2.64	2
45	MP1B	Mx	.001	2
46	MP1B	X	0	4
47	MP1B	Z	-2.64	4
48	MP1B	Mx	.001	4
49	MP1C	X	0	2
50	MP1C	Z	-2.64	2
51	MP1C	Mx	-.001	2
52	MP1C	X	0	4
53	MP1C	Z	-2.64	4
54	MP1C	Mx	-.001	4
55	MP4B	X	0	.25
56	MP4B	Z	-6.889	.25
57	MP4B	Mx	-.003	.25
58	RUA	X	0	.25
59	RUA	Z	-1.908	.25
60	RUA	Mx	0	.25
61	RUA	X	0	2.5
62	RUA	Z	-4.107	2.5
63	RUA	Mx	0	2.5
64	MP2A	X	0	2
65	MP2A	Z	-4.107	2
66	MP2A	Mx	0	2
67	MP2B	X	0	2
68	MP2B	Z	-2.895	2
69	MP2B	Mx	-.001	2
70	MP2C	X	0	2
71	MP2C	Z	-2.895	2
72	MP2C	Mx	.001	2
73	MP4A	X	0	.25
74	MP4A	Z	-10.717	.25
75	MP4A	Mx	0	.25
76	MP4A	X	0	5.25
77	MP4A	Z	-10.717	5.25
78	MP4A	Mx	0	5.25
79	MP4B	X	0	.25
80	MP4B	Z	-7.987	.25
81	MP4B	Mx	.003	.25
82	MP4B	X	0	5.25
83	MP4B	Z	-7.987	5.25
84	MP4B	Mx	.003	5.25
85	MP4C	X	0	.25
86	MP4C	Z	-7.987	.25
87	MP4C	Mx	-.003	.25
88	MP4C	X	0	5.25
89	MP4C	Z	-7.987	5.25
90	MP4C	Mx	-.003	5.25
91	GPS	X	0	.25
92	GPS	Z	-.272	.25
93	GPS	Mx	0	.25
94	RUB	X	0	.25
95	RUB	Z	-1.908	.25
96	RUB	Mx	0	.25
97	RUB	X	0	2.5
98	RUB	Z	-4.107	2.5
99	RUB	Mx	0	2.5
100	RUC	X	0	.25
101	RUC	Z	-1.908	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	RUC	Mx	0	.25
103	RUC	X	0	2.5
104	RUC	Z	-4.107	2.5
105	RUC	Mx	0	2.5
106	MP3A	X	0	4
107	MP3A	Z	-2.101	4
108	MP3A	Mx	.000525	4
109	MP3A	X	0	4
110	MP3A	Z	-2.101	4
111	MP3A	Mx	-.000525	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.083	.25
2	MP3A	Z	-5.341	.25
3	MP3A	Mx	.002	.25
4	MP3A	X	3.083	5.25
5	MP3A	Z	-5.341	5.25
6	MP3A	Mx	.002	5.25
7	MP3B	X	1.543	.25
8	MP3B	Z	-2.673	.25
9	MP3B	Mx	.002	.25
10	MP3B	X	1.543	5.25
11	MP3B	Z	-2.673	5.25
12	MP3B	Mx	.002	5.25
13	MP3C	X	3.083	.25
14	MP3C	Z	-5.341	.25
15	MP3C	Mx	-.005	.25
16	MP3C	X	3.083	5.25
17	MP3C	Z	-5.341	5.25
18	MP3C	Mx	-.005	5.25
19	MP3A	X	4.884	.25
20	MP3A	Z	-8.459	.25
21	MP3A	Mx	-.007	.25
22	MP3A	X	4.884	5.25
23	MP3A	Z	-8.459	5.25
24	MP3A	Mx	-.007	5.25
25	MP3B	X	3.538	.25
26	MP3B	Z	-6.128	.25
27	MP3B	Mx	.004	.25
28	MP3B	X	3.538	5.25
29	MP3B	Z	-6.128	5.25
30	MP3B	Mx	.004	5.25
31	MP3C	X	4.884	.25
32	MP3C	Z	-8.459	.25
33	MP3C	Mx	.002	.25
34	MP3C	X	4.884	5.25
35	MP3C	Z	-8.459	5.25
36	MP3C	Mx	.002	5.25
37	MP1A	X	2.171	2
38	MP1A	Z	-3.76	2
39	MP1A	Mx	-.001	2
40	MP1A	X	2.171	4
41	MP1A	Z	-3.76	4
42	MP1A	Mx	-.001	4
43	MP1B	X	.894	2
44	MP1B	Z	-1.549	2
45	MP1B	Mx	.000894	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP1B	X	.894	4
47	MP1B	Z	-1.549	4
48	MP1B	Mx	.000894	4
49	MP1C	X	2.171	2
50	MP1C	Z	-3.76	2
51	MP1C	Mx	-.001	2
52	MP1C	X	2.171	4
53	MP1C	Z	-3.76	4
54	MP1C	Mx	-.001	4
55	MP4B	X	3.193	.25
56	MP4B	Z	-5.53	.25
57	MP4B	Mx	-.003	.25
58	RUA	X	.828	.25
59	RUA	Z	-1.434	.25
60	RUA	Mx	.000414	.25
61	RUA	X	1.884	2.5
62	RUA	Z	-3.264	2.5
63	RUA	Mx	.000942	2.5
64	MP2A	X	1.851	2
65	MP2A	Z	-3.207	2
66	MP2A	Mx	.000926	2
67	MP2B	X	1.245	2
68	MP2B	Z	-2.157	2
69	MP2B	Mx	-.001	2
70	MP2C	X	1.851	2
71	MP2C	Z	-3.207	2
72	MP2C	Mx	.000926	2
73	MP4A	X	4.904	.25
74	MP4A	Z	-8.493	.25
75	MP4A	Mx	-.002	.25
76	MP4A	X	4.904	5.25
77	MP4A	Z	-8.493	5.25
78	MP4A	Mx	-.002	5.25
79	MP4B	X	3.538	.25
80	MP4B	Z	-6.128	.25
81	MP4B	Mx	.004	.25
82	MP4B	X	3.538	5.25
83	MP4B	Z	-6.128	5.25
84	MP4B	Mx	.004	5.25
85	MP4C	X	4.904	.25
86	MP4C	Z	-8.493	.25
87	MP4C	Mx	-.002	.25
88	MP4C	X	4.904	5.25
89	MP4C	Z	-8.493	5.25
90	MP4C	Mx	-.002	5.25
91	GPS	X	.169	.25
92	GPS	Z	-.293	.25
93	GPS	Mx	0	.25
94	RUB	X	.828	.25
95	RUB	Z	-1.434	.25
96	RUB	Mx	.000414	.25
97	RUB	X	1.884	2.5
98	RUB	Z	-3.264	2.5
99	RUB	Mx	.000942	2.5
100	RUC	X	.828	.25
101	RUC	Z	-1.434	.25
102	RUC	Mx	.000414	.25
103	RUC	X	1.884	2.5
104	RUC	Z	-3.264	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	RUC	Mx	.000942	2.5
106	MP3A	X	.607	4
107	MP3A	Z	-1.052	4
108	MP3A	Mx	.000526	4
109	MP3A	X	.607	4
110	MP3A	Z	-1.052	4
111	MP3A	Mx	-.000526	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.562	.25
2	MP3A	Z	-2.057	.25
3	MP3A	Mx	-.000581	.25
4	MP3A	X	3.562	5.25
5	MP3A	Z	-2.057	5.25
6	MP3A	Mx	-.000581	5.25
7	MP3B	X	3.562	.25
8	MP3B	Z	-2.057	.25
9	MP3B	Mx	.003	.25
10	MP3B	X	3.562	5.25
11	MP3B	Z	-2.057	5.25
12	MP3B	Mx	.003	5.25
13	MP3C	X	6.23	.25
14	MP3C	Z	-3.597	.25
15	MP3C	Mx	-.004	.25
16	MP3C	X	6.23	5.25
17	MP3C	Z	-3.597	5.25
18	MP3C	Mx	-.004	5.25
19	MP3A	X	6.905	.25
20	MP3A	Z	-3.987	.25
21	MP3A	Mx	-.006	.25
22	MP3A	X	6.905	5.25
23	MP3A	Z	-3.987	5.25
24	MP3A	Mx	-.006	5.25
25	MP3B	X	6.905	.25
26	MP3B	Z	-3.987	.25
27	MP3B	Mx	.001	.25
28	MP3B	X	6.905	5.25
29	MP3B	Z	-3.987	5.25
30	MP3B	Mx	.001	5.25
31	MP3C	X	9.236	.25
32	MP3C	Z	-5.332	.25
33	MP3C	Mx	.006	.25
34	MP3C	X	9.236	5.25
35	MP3C	Z	-5.332	5.25
36	MP3C	Mx	.006	5.25
37	MP1A	X	2.286	2
38	MP1A	Z	-1.32	2
39	MP1A	Mx	-.001	2
40	MP1A	X	2.286	4
41	MP1A	Z	-1.32	4
42	MP1A	Mx	-.001	4
43	MP1B	X	2.286	2
44	MP1B	Z	-1.32	2
45	MP1B	Mx	.001	2
46	MP1B	X	2.286	4
47	MP1B	Z	-1.32	4
48	MP1B	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP1C	X	4.497	2
50	MP1C	Z	-2.597	2
51	MP1C	Mx	0	2
52	MP1C	X	4.497	4
53	MP1C	Z	-2.597	4
54	MP1C	Mx	0	4
55	MP4B	X	5.966	.25
56	MP4B	Z	-3.444	.25
57	MP4B	Mx	-.003	.25
58	RUA	X	.998	.25
59	RUA	Z	-.576	.25
60	RUA	Mx	.000499	.25
61	RUA	X	2.679	2.5
62	RUA	Z	-1.547	2.5
63	RUA	Mx	.001	2.5
64	MP2A	X	2.507	2
65	MP2A	Z	-1.447	2
66	MP2A	Mx	.001	2
67	MP2B	X	2.507	2
68	MP2B	Z	-1.447	2
69	MP2B	Mx	-.001	2
70	MP2C	X	3.557	2
71	MP2C	Z	-2.053	2
72	MP2C	Mx	0	2
73	MP4A	X	6.917	.25
74	MP4A	Z	-3.993	.25
75	MP4A	Mx	-.003	.25
76	MP4A	X	6.917	5.25
77	MP4A	Z	-3.993	5.25
78	MP4A	Mx	-.003	5.25
79	MP4B	X	6.917	.25
80	MP4B	Z	-3.993	.25
81	MP4B	Mx	.003	.25
82	MP4B	X	6.917	5.25
83	MP4B	Z	-3.993	5.25
84	MP4B	Mx	.003	5.25
85	MP4C	X	9.281	.25
86	MP4C	Z	-5.359	.25
87	MP4C	Mx	0	.25
88	MP4C	X	9.281	5.25
89	MP4C	Z	-5.359	5.25
90	MP4C	Mx	0	5.25
91	GPS	X	.321	.25
92	GPS	Z	-.185	.25
93	GPS	Mx	0	.25
94	RUB	X	.998	.25
95	RUB	Z	-.576	.25
96	RUB	Mx	.000499	.25
97	RUB	X	2.679	2.5
98	RUB	Z	-1.547	2.5
99	RUB	Mx	.001	2.5
100	RUC	X	.998	.25
101	RUC	Z	-.576	.25
102	RUC	Mx	.000499	.25
103	RUC	X	2.679	2.5
104	RUC	Z	-1.547	2.5
105	RUC	Mx	.001	2.5
106	MP3A	X	.668	4
107	MP3A	Z	-.386	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP3A	Mx	.000386	4
109	MP3A	X	.668	4
110	MP3A	Z	-.386	4
111	MP3A	Mx	-.000386	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.087	.25
2	MP3A	Z	0	.25
3	MP3A	Mx	-.002	.25
4	MP3A	X	3.087	5.25
5	MP3A	Z	0	5.25
6	MP3A	Mx	-.002	5.25
7	MP3B	X	6.167	.25
8	MP3B	Z	0	.25
9	MP3B	Mx	.005	.25
10	MP3B	X	6.167	5.25
11	MP3B	Z	0	5.25
12	MP3B	Mx	.005	5.25
13	MP3C	X	6.167	.25
14	MP3C	Z	0	.25
15	MP3C	Mx	-.002	.25
16	MP3C	X	6.167	5.25
17	MP3C	Z	0	5.25
18	MP3C	Mx	-.002	5.25
19	MP3A	X	7.076	.25
20	MP3A	Z	0	.25
21	MP3A	Mx	-.004	.25
22	MP3A	X	7.076	5.25
23	MP3A	Z	0	5.25
24	MP3A	Mx	-.004	5.25
25	MP3B	X	9.767	.25
26	MP3B	Z	0	.25
27	MP3B	Mx	-.002	.25
28	MP3B	X	9.767	5.25
29	MP3B	Z	0	5.25
30	MP3B	Mx	-.002	5.25
31	MP3C	X	9.767	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	.007	.25
34	MP3C	X	9.767	5.25
35	MP3C	Z	0	5.25
36	MP3C	Mx	.007	5.25
37	MP1A	X	1.788	2
38	MP1A	Z	0	2
39	MP1A	Mx	-.000894	2
40	MP1A	X	1.788	4
41	MP1A	Z	0	4
42	MP1A	Mx	-.000894	4
43	MP1B	X	4.342	2
44	MP1B	Z	0	2
45	MP1B	Mx	.001	2
46	MP1B	X	4.342	4
47	MP1B	Z	0	4
48	MP1B	Mx	.001	4
49	MP1C	X	4.342	2
50	MP1C	Z	0	2
51	MP1C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP1C	X	4.342	4
53	MP1C	Z	0	4
54	MP1C	Mx	.001	4
55	MP4B	X	7.896	.25
56	MP4B	Z	0	.25
57	MP4B	Mx	-.002	.25
58	RUA	X	.901	.25
59	RUA	Z	0	.25
60	RUA	Mx	.000451	.25
61	RUA	X	2.755	2.5
62	RUA	Z	0	2.5
63	RUA	Mx	.001	2.5
64	MP2A	X	2.491	2
65	MP2A	Z	0	2
66	MP2A	Mx	.001	2
67	MP2B	X	3.703	2
68	MP2B	Z	0	2
69	MP2B	Mx	-.000926	2
70	MP2C	X	3.703	2
71	MP2C	Z	0	2
72	MP2C	Mx	-.000926	2
73	MP4A	X	7.076	.25
74	MP4A	Z	0	.25
75	MP4A	Mx	-.004	.25
76	MP4A	X	7.076	5.25
77	MP4A	Z	0	5.25
78	MP4A	Mx	-.004	5.25
79	MP4B	X	9.807	.25
80	MP4B	Z	0	.25
81	MP4B	Mx	.002	.25
82	MP4B	X	9.807	5.25
83	MP4B	Z	0	5.25
84	MP4B	Mx	.002	5.25
85	MP4C	X	9.807	.25
86	MP4C	Z	0	.25
87	MP4C	Mx	.002	.25
88	MP4C	X	9.807	5.25
89	MP4C	Z	0	5.25
90	MP4C	Mx	.002	5.25
91	GPS	X	.338	.25
92	GPS	Z	0	.25
93	GPS	Mx	0	.25
94	RUB	X	.901	.25
95	RUB	Z	0	.25
96	RUB	Mx	.000451	.25
97	RUB	X	2.755	2.5
98	RUB	Z	0	2.5
99	RUB	Mx	.001	2.5
100	RUC	X	.901	.25
101	RUC	Z	0	.25
102	RUC	Mx	.000451	.25
103	RUC	X	2.755	2.5
104	RUC	Z	0	2.5
105	RUC	Mx	.001	2.5
106	MP3A	X	1.214	4
107	MP3A	Z	0	4
108	MP3A	Mx	.000526	4
109	MP3A	X	1.214	4
110	MP3A	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
111	MP3A	Mx	-.000526	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.562	.25
2	MP3A	Z	2.057	.25
3	MP3A	Mx	-.003	.25
4	MP3A	X	3.562	5.25
5	MP3A	Z	2.057	5.25
6	MP3A	Mx	-.003	5.25
7	MP3B	X	6.23	.25
8	MP3B	Z	3.597	.25
9	MP3B	Mx	.004	.25
10	MP3B	X	6.23	5.25
11	MP3B	Z	3.597	5.25
12	MP3B	Mx	.004	5.25
13	MP3C	X	3.562	.25
14	MP3C	Z	2.057	.25
15	MP3C	Mx	.000582	.25
16	MP3C	X	3.562	5.25
17	MP3C	Z	2.057	5.25
18	MP3C	Mx	.000582	5.25
19	MP3A	X	6.905	.25
20	MP3A	Z	3.987	.25
21	MP3A	Mx	-.001	.25
22	MP3A	X	6.905	5.25
23	MP3A	Z	3.987	5.25
24	MP3A	Mx	-.001	5.25
25	MP3B	X	9.236	.25
26	MP3B	Z	5.332	.25
27	MP3B	Mx	-.006	.25
28	MP3B	X	9.236	5.25
29	MP3B	Z	5.332	5.25
30	MP3B	Mx	-.006	5.25
31	MP3C	X	6.905	.25
32	MP3C	Z	3.987	.25
33	MP3C	Mx	.006	.25
34	MP3C	X	6.905	5.25
35	MP3C	Z	3.987	5.25
36	MP3C	Mx	.006	5.25
37	MP1A	X	2.286	2
38	MP1A	Z	1.32	2
39	MP1A	Mx	-.001	2
40	MP1A	X	2.286	4
41	MP1A	Z	1.32	4
42	MP1A	Mx	-.001	4
43	MP1B	X	4.497	2
44	MP1B	Z	2.597	2
45	MP1B	Mx	0	2
46	MP1B	X	4.497	4
47	MP1B	Z	2.597	4
48	MP1B	Mx	0	4
49	MP1C	X	2.286	2
50	MP1C	Z	1.32	2
51	MP1C	Mx	.001	2
52	MP1C	X	2.286	4
53	MP1C	Z	1.32	4
54	MP1C	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP4B	X	7.274	.25
56	MP4B	Z	4.199	.25
57	MP4B	Mx	0	.25
58	RUA	X	.998	.25
59	RUA	Z	.576	.25
60	RUA	Mx	.000499	.25
61	RUA	X	2.679	2.5
62	RUA	Z	1.547	2.5
63	RUA	Mx	.001	2.5
64	MP2A	X	2.507	2
65	MP2A	Z	1.447	2
66	MP2A	Mx	.001	2
67	MP2B	X	3.557	2
68	MP2B	Z	2.053	2
69	MP2B	Mx	0	2
70	MP2C	X	2.507	2
71	MP2C	Z	1.447	2
72	MP2C	Mx	-.001	2
73	MP4A	X	6.917	.25
74	MP4A	Z	3.993	.25
75	MP4A	Mx	-.003	.25
76	MP4A	X	6.917	5.25
77	MP4A	Z	3.993	5.25
78	MP4A	Mx	-.003	5.25
79	MP4B	X	9.281	.25
80	MP4B	Z	5.359	.25
81	MP4B	Mx	0	.25
82	MP4B	X	9.281	5.25
83	MP4B	Z	5.359	5.25
84	MP4B	Mx	0	5.25
85	MP4C	X	6.917	.25
86	MP4C	Z	3.993	.25
87	MP4C	Mx	.003	.25
88	MP4C	X	6.917	5.25
89	MP4C	Z	3.993	5.25
90	MP4C	Mx	.003	5.25
91	GPS	X	.235	.25
92	GPS	Z	.136	.25
93	GPS	Mx	0	.25
94	RUB	X	.998	.25
95	RUB	Z	.576	.25
96	RUB	Mx	.000499	.25
97	RUB	X	2.679	2.5
98	RUB	Z	1.547	2.5
99	RUB	Mx	.001	2.5
100	RUC	X	.998	.25
101	RUC	Z	.576	.25
102	RUC	Mx	.000499	.25
103	RUC	X	2.679	2.5
104	RUC	Z	1.547	2.5
105	RUC	Mx	.001	2.5
106	MP3A	X	1.819	4
107	MP3A	Z	1.05	4
108	MP3A	Mx	.000525	4
109	MP3A	X	1.819	4
110	MP3A	Z	1.05	4
111	MP3A	Mx	-.000525	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.083	.25
2	MP3A	Z	5.341	.25
3	MP3A	Mx	-.005	.25
4	MP3A	X	3.083	5.25
5	MP3A	Z	5.341	5.25
6	MP3A	Mx	-.005	5.25
7	MP3B	X	3.083	.25
8	MP3B	Z	5.341	.25
9	MP3B	Mx	.002	.25
10	MP3B	X	3.083	5.25
11	MP3B	Z	5.341	5.25
12	MP3B	Mx	.002	5.25
13	MP3C	X	1.543	.25
14	MP3C	Z	2.673	.25
15	MP3C	Mx	.002	.25
16	MP3C	X	1.543	5.25
17	MP3C	Z	2.673	5.25
18	MP3C	Mx	.002	5.25
19	MP3A	X	4.884	.25
20	MP3A	Z	8.459	.25
21	MP3A	Mx	.002	.25
22	MP3A	X	4.884	5.25
23	MP3A	Z	8.459	5.25
24	MP3A	Mx	.002	5.25
25	MP3B	X	4.884	.25
26	MP3B	Z	8.459	.25
27	MP3B	Mx	-.007	.25
28	MP3B	X	4.884	5.25
29	MP3B	Z	8.459	5.25
30	MP3B	Mx	-.007	5.25
31	MP3C	X	3.538	.25
32	MP3C	Z	6.128	.25
33	MP3C	Mx	.004	.25
34	MP3C	X	3.538	5.25
35	MP3C	Z	6.128	5.25
36	MP3C	Mx	.004	5.25
37	MP1A	X	2.171	2
38	MP1A	Z	3.76	2
39	MP1A	Mx	-.001	2
40	MP1A	X	2.171	4
41	MP1A	Z	3.76	4
42	MP1A	Mx	-.001	4
43	MP1B	X	2.171	2
44	MP1B	Z	3.76	2
45	MP1B	Mx	-.001	2
46	MP1B	X	2.171	4
47	MP1B	Z	3.76	4
48	MP1B	Mx	-.001	4
49	MP1C	X	.894	2
50	MP1C	Z	1.549	2
51	MP1C	Mx	.000894	2
52	MP1C	X	.894	4
53	MP1C	Z	1.549	4
54	MP1C	Mx	.000894	4
55	MP4B	X	3.948	.25
56	MP4B	Z	6.838	.25
57	MP4B	Mx	.002	.25
58	RUA	X	.828	.25
59	RUA	Z	1.434	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	RUA	Mx	.000414	.25
61	RUA	X	1.884	2.5
62	RUA	Z	3.264	2.5
63	RUA	Mx	.000942	2.5
64	MP2A	X	1.851	2
65	MP2A	Z	3.207	2
66	MP2A	Mx	.000926	2
67	MP2B	X	1.851	2
68	MP2B	Z	3.207	2
69	MP2B	Mx	.000926	2
70	MP2C	X	1.245	2
71	MP2C	Z	2.157	2
72	MP2C	Mx	-.001	2
73	MP4A	X	4.904	.25
74	MP4A	Z	8.493	.25
75	MP4A	Mx	-.002	.25
76	MP4A	X	4.904	5.25
77	MP4A	Z	8.493	5.25
78	MP4A	Mx	-.002	5.25
79	MP4B	X	4.904	.25
80	MP4B	Z	8.493	.25
81	MP4B	Mx	-.002	.25
82	MP4B	X	4.904	5.25
83	MP4B	Z	8.493	5.25
84	MP4B	Mx	-.002	5.25
85	MP4C	X	3.538	.25
86	MP4C	Z	6.128	.25
87	MP4C	Mx	.004	.25
88	MP4C	X	3.538	5.25
89	MP4C	Z	6.128	5.25
90	MP4C	Mx	.004	5.25
91	GPS	X	.119	.25
92	GPS	Z	.207	.25
93	GPS	Mx	0	.25
94	RUB	X	.828	.25
95	RUB	Z	1.434	.25
96	RUB	Mx	.000414	.25
97	RUB	X	1.884	2.5
98	RUB	Z	3.264	2.5
99	RUB	Mx	.000942	2.5
100	RUC	X	.828	.25
101	RUC	Z	1.434	.25
102	RUC	Mx	.000414	.25
103	RUC	X	1.884	2.5
104	RUC	Z	3.264	2.5
105	RUC	Mx	.000942	2.5
106	MP3A	X	1.272	4
107	MP3A	Z	2.203	4
108	MP3A	Mx	0	4
109	MP3A	X	1.272	4
110	MP3A	Z	2.203	4
111	MP3A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.25
2	MP3A	Z	7.193	.25
3	MP3A	Mx	-.004	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3A	X	0	5.25
5	MP3A	Z	7.193	5.25
6	MP3A	Mx	-.004	5.25
7	MP3B	X	0	.25
8	MP3B	Z	4.113	.25
9	MP3B	Mx	-.000581	.25
10	MP3B	X	0	5.25
11	MP3B	Z	4.113	5.25
12	MP3B	Mx	-.000581	5.25
13	MP3C	X	0	.25
14	MP3C	Z	4.113	.25
15	MP3C	Mx	.003	.25
16	MP3C	X	0	5.25
17	MP3C	Z	4.113	5.25
18	MP3C	Mx	.003	5.25
19	MP3A	X	0	.25
20	MP3A	Z	10.664	.25
21	MP3A	Mx	.006	.25
22	MP3A	X	0	5.25
23	MP3A	Z	10.664	5.25
24	MP3A	Mx	.006	5.25
25	MP3B	X	0	.25
26	MP3B	Z	7.973	.25
27	MP3B	Mx	-.006	.25
28	MP3B	X	0	5.25
29	MP3B	Z	7.973	5.25
30	MP3B	Mx	-.006	5.25
31	MP3C	X	0	.25
32	MP3C	Z	7.973	.25
33	MP3C	Mx	.001	.25
34	MP3C	X	0	5.25
35	MP3C	Z	7.973	5.25
36	MP3C	Mx	.001	5.25
37	MP1A	X	0	2
38	MP1A	Z	5.193	2
39	MP1A	Mx	0	2
40	MP1A	X	0	4
41	MP1A	Z	5.193	4
42	MP1A	Mx	0	4
43	MP1B	X	0	2
44	MP1B	Z	2.64	2
45	MP1B	Mx	-.001	2
46	MP1B	X	0	4
47	MP1B	Z	2.64	4
48	MP1B	Mx	-.001	4
49	MP1C	X	0	2
50	MP1C	Z	2.64	2
51	MP1C	Mx	.001	2
52	MP1C	X	0	4
53	MP1C	Z	2.64	4
54	MP1C	Mx	.001	4
55	MP4B	X	0	.25
56	MP4B	Z	6.889	.25
57	MP4B	Mx	.003	.25
58	RUA	X	0	.25
59	RUA	Z	1.908	.25
60	RUA	Mx	0	.25
61	RUA	X	0	2.5
62	RUA	Z	4.107	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	RUA	Mx	0	2.5
64	MP2A	X	0	2
65	MP2A	Z	4.107	2
66	MP2A	Mx	0	2
67	MP2B	X	0	2
68	MP2B	Z	2.895	2
69	MP2B	Mx	.001	2
70	MP2C	X	0	2
71	MP2C	Z	2.895	2
72	MP2C	Mx	-.001	2
73	MP4A	X	0	.25
74	MP4A	Z	10.717	.25
75	MP4A	Mx	0	.25
76	MP4A	X	0	5.25
77	MP4A	Z	10.717	5.25
78	MP4A	Mx	0	5.25
79	MP4B	X	0	.25
80	MP4B	Z	7.987	.25
81	MP4B	Mx	-.003	.25
82	MP4B	X	0	5.25
83	MP4B	Z	7.987	5.25
84	MP4B	Mx	-.003	5.25
85	MP4C	X	0	.25
86	MP4C	Z	7.987	.25
87	MP4C	Mx	.003	.25
88	MP4C	X	0	5.25
89	MP4C	Z	7.987	5.25
90	MP4C	Mx	.003	5.25
91	GPS	X	0	.25
92	GPS	Z	.272	.25
93	GPS	Mx	0	.25
94	RUB	X	0	.25
95	RUB	Z	1.908	.25
96	RUB	Mx	0	.25
97	RUB	X	0	2.5
98	RUB	Z	4.107	2.5
99	RUB	Mx	0	2.5
100	RUC	X	0	.25
101	RUC	Z	1.908	.25
102	RUC	Mx	0	.25
103	RUC	X	0	2.5
104	RUC	Z	4.107	2.5
105	RUC	Mx	0	2.5
106	MP3A	X	0	4
107	MP3A	Z	2.101	4
108	MP3A	Mx	-.000525	4
109	MP3A	X	0	4
110	MP3A	Z	2.101	4
111	MP3A	Mx	.000525	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.083	.25
2	MP3A	Z	5.341	.25
3	MP3A	Mx	-.002	.25
4	MP3A	X	-3.083	5.25
5	MP3A	Z	5.341	5.25
6	MP3A	Mx	-.002	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP3B	X	-1.543	.25
8	MP3B	Z	2.673	.25
9	MP3B	Mx	-.002	.25
10	MP3B	X	-1.543	5.25
11	MP3B	Z	2.673	5.25
12	MP3B	Mx	-.002	5.25
13	MP3C	X	-3.083	.25
14	MP3C	Z	5.341	.25
15	MP3C	Mx	.005	.25
16	MP3C	X	-3.083	5.25
17	MP3C	Z	5.341	5.25
18	MP3C	Mx	.005	5.25
19	MP3A	X	-4.884	.25
20	MP3A	Z	8.459	.25
21	MP3A	Mx	.007	.25
22	MP3A	X	-4.884	5.25
23	MP3A	Z	8.459	5.25
24	MP3A	Mx	.007	5.25
25	MP3B	X	-3.538	.25
26	MP3B	Z	6.128	.25
27	MP3B	Mx	-.004	.25
28	MP3B	X	-3.538	5.25
29	MP3B	Z	6.128	5.25
30	MP3B	Mx	-.004	5.25
31	MP3C	X	-4.884	.25
32	MP3C	Z	8.459	.25
33	MP3C	Mx	-.002	.25
34	MP3C	X	-4.884	5.25
35	MP3C	Z	8.459	5.25
36	MP3C	Mx	-.002	5.25
37	MP1A	X	-2.171	2
38	MP1A	Z	3.76	2
39	MP1A	Mx	.001	2
40	MP1A	X	-2.171	4
41	MP1A	Z	3.76	4
42	MP1A	Mx	.001	4
43	MP1B	X	-.894	2
44	MP1B	Z	1.549	2
45	MP1B	Mx	-.000894	2
46	MP1B	X	-.894	4
47	MP1B	Z	1.549	4
48	MP1B	Mx	-.000894	4
49	MP1C	X	-2.171	2
50	MP1C	Z	3.76	2
51	MP1C	Mx	.001	2
52	MP1C	X	-2.171	4
53	MP1C	Z	3.76	4
54	MP1C	Mx	.001	4
55	MP4B	X	-3.193	.25
56	MP4B	Z	5.53	.25
57	MP4B	Mx	.003	.25
58	RUA	X	-.828	.25
59	RUA	Z	1.434	.25
60	RUA	Mx	-.000414	.25
61	RUA	X	-1.884	2.5
62	RUA	Z	3.264	2.5
63	RUA	Mx	-.000942	2.5
64	MP2A	X	-1.851	2
65	MP2A	Z	3.207	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2A	Mx	-.000926	2
67	MP2B	X	-1.245	2
68	MP2B	Z	2.157	2
69	MP2B	Mx	.001	2
70	MP2C	X	-1.851	2
71	MP2C	Z	3.207	2
72	MP2C	Mx	-.000926	2
73	MP4A	X	-4.904	.25
74	MP4A	Z	8.493	.25
75	MP4A	Mx	.002	.25
76	MP4A	X	-4.904	5.25
77	MP4A	Z	8.493	5.25
78	MP4A	Mx	.002	5.25
79	MP4B	X	-3.538	.25
80	MP4B	Z	6.128	.25
81	MP4B	Mx	-.004	.25
82	MP4B	X	-3.538	5.25
83	MP4B	Z	6.128	5.25
84	MP4B	Mx	-.004	5.25
85	MP4C	X	-4.904	.25
86	MP4C	Z	8.493	.25
87	MP4C	Mx	.002	.25
88	MP4C	X	-4.904	5.25
89	MP4C	Z	8.493	5.25
90	MP4C	Mx	.002	5.25
91	GPS	X	-.169	.25
92	GPS	Z	.293	.25
93	GPS	Mx	0	.25
94	RUB	X	-.828	.25
95	RUB	Z	1.434	.25
96	RUB	Mx	-.000414	.25
97	RUB	X	-1.884	2.5
98	RUB	Z	3.264	2.5
99	RUB	Mx	-.000942	2.5
100	RUC	X	-.828	.25
101	RUC	Z	1.434	.25
102	RUC	Mx	-.000414	.25
103	RUC	X	-1.884	2.5
104	RUC	Z	3.264	2.5
105	RUC	Mx	-.000942	2.5
106	MP3A	X	-.607	4
107	MP3A	Z	1.052	4
108	MP3A	Mx	-.000526	4
109	MP3A	X	-.607	4
110	MP3A	Z	1.052	4
111	MP3A	Mx	.000526	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.562	.25
2	MP3A	Z	2.057	.25
3	MP3A	Mx	.000581	.25
4	MP3A	X	-3.562	5.25
5	MP3A	Z	2.057	5.25
6	MP3A	Mx	.000581	5.25
7	MP3B	X	-3.562	.25
8	MP3B	Z	2.057	.25
9	MP3B	Mx	-.003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP3B	X	-3.562	5.25
11	MP3B	Z	2.057	5.25
12	MP3B	Mx	-.003	5.25
13	MP3C	X	-6.23	.25
14	MP3C	Z	3.597	.25
15	MP3C	Mx	.004	.25
16	MP3C	X	-6.23	5.25
17	MP3C	Z	3.597	5.25
18	MP3C	Mx	.004	5.25
19	MP3A	X	-6.905	.25
20	MP3A	Z	3.987	.25
21	MP3A	Mx	.006	.25
22	MP3A	X	-6.905	5.25
23	MP3A	Z	3.987	5.25
24	MP3A	Mx	.006	5.25
25	MP3B	X	-6.905	.25
26	MP3B	Z	3.987	.25
27	MP3B	Mx	-.001	.25
28	MP3B	X	-6.905	5.25
29	MP3B	Z	3.987	5.25
30	MP3B	Mx	-.001	5.25
31	MP3C	X	-9.236	.25
32	MP3C	Z	5.332	.25
33	MP3C	Mx	-.006	.25
34	MP3C	X	-9.236	5.25
35	MP3C	Z	5.332	5.25
36	MP3C	Mx	-.006	5.25
37	MP1A	X	-2.286	2
38	MP1A	Z	1.32	2
39	MP1A	Mx	.001	2
40	MP1A	X	-2.286	4
41	MP1A	Z	1.32	4
42	MP1A	Mx	.001	4
43	MP1B	X	-2.286	2
44	MP1B	Z	1.32	2
45	MP1B	Mx	-.001	2
46	MP1B	X	-2.286	4
47	MP1B	Z	1.32	4
48	MP1B	Mx	-.001	4
49	MP1C	X	-4.497	2
50	MP1C	Z	2.597	2
51	MP1C	Mx	0	2
52	MP1C	X	-4.497	4
53	MP1C	Z	2.597	4
54	MP1C	Mx	0	4
55	MP4B	X	-5.966	.25
56	MP4B	Z	3.444	.25
57	MP4B	Mx	.003	.25
58	RUA	X	-.998	.25
59	RUA	Z	.576	.25
60	RUA	Mx	-.000499	.25
61	RUA	X	-2.679	2.5
62	RUA	Z	1.547	2.5
63	RUA	Mx	-.001	2.5
64	MP2A	X	-2.507	2
65	MP2A	Z	1.447	2
66	MP2A	Mx	-.001	2
67	MP2B	X	-2.507	2
68	MP2B	Z	1.447	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2B	Mx	.001	2
70	MP2C	X	-3.557	2
71	MP2C	Z	2.053	2
72	MP2C	Mx	0	2
73	MP4A	X	-6.917	.25
74	MP4A	Z	3.993	.25
75	MP4A	Mx	.003	.25
76	MP4A	X	-6.917	5.25
77	MP4A	Z	3.993	5.25
78	MP4A	Mx	.003	5.25
79	MP4B	X	-6.917	.25
80	MP4B	Z	3.993	.25
81	MP4B	Mx	-.003	.25
82	MP4B	X	-6.917	5.25
83	MP4B	Z	3.993	5.25
84	MP4B	Mx	-.003	5.25
85	MP4C	X	-9.281	.25
86	MP4C	Z	5.359	.25
87	MP4C	Mx	0	.25
88	MP4C	X	-9.281	5.25
89	MP4C	Z	5.359	5.25
90	MP4C	Mx	0	5.25
91	GPS	X	-.321	.25
92	GPS	Z	.185	.25
93	GPS	Mx	0	.25
94	RUB	X	-.998	.25
95	RUB	Z	.576	.25
96	RUB	Mx	-.000499	.25
97	RUB	X	-2.679	2.5
98	RUB	Z	1.547	2.5
99	RUB	Mx	-.001	2.5
100	RUC	X	-.998	.25
101	RUC	Z	.576	.25
102	RUC	Mx	-.000499	.25
103	RUC	X	-2.679	2.5
104	RUC	Z	1.547	2.5
105	RUC	Mx	-.001	2.5
106	MP3A	X	-.668	4
107	MP3A	Z	.386	4
108	MP3A	Mx	-.000386	4
109	MP3A	X	-.668	4
110	MP3A	Z	.386	4
111	MP3A	Mx	.000386	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.087	.25
2	MP3A	Z	0	.25
3	MP3A	Mx	.002	.25
4	MP3A	X	-3.087	5.25
5	MP3A	Z	0	5.25
6	MP3A	Mx	.002	5.25
7	MP3B	X	-6.167	.25
8	MP3B	Z	0	.25
9	MP3B	Mx	-.005	.25
10	MP3B	X	-6.167	5.25
11	MP3B	Z	0	5.25
12	MP3B	Mx	-.005	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3C	X	-6.167	.25
14	MP3C	Z	0	.25
15	MP3C	Mx	.002	.25
16	MP3C	X	-6.167	5.25
17	MP3C	Z	0	5.25
18	MP3C	Mx	.002	5.25
19	MP3A	X	-7.076	.25
20	MP3A	Z	0	.25
21	MP3A	Mx	.004	.25
22	MP3A	X	-7.076	5.25
23	MP3A	Z	0	5.25
24	MP3A	Mx	.004	5.25
25	MP3B	X	-9.767	.25
26	MP3B	Z	0	.25
27	MP3B	Mx	.002	.25
28	MP3B	X	-9.767	5.25
29	MP3B	Z	0	5.25
30	MP3B	Mx	.002	5.25
31	MP3C	X	-9.767	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	-.007	.25
34	MP3C	X	-9.767	5.25
35	MP3C	Z	0	5.25
36	MP3C	Mx	-.007	5.25
37	MP1A	X	-1.788	2
38	MP1A	Z	0	2
39	MP1A	Mx	.000894	2
40	MP1A	X	-1.788	4
41	MP1A	Z	0	4
42	MP1A	Mx	.000894	4
43	MP1B	X	-4.342	2
44	MP1B	Z	0	2
45	MP1B	Mx	-.001	2
46	MP1B	X	-4.342	4
47	MP1B	Z	0	4
48	MP1B	Mx	-.001	4
49	MP1C	X	-4.342	2
50	MP1C	Z	0	2
51	MP1C	Mx	-.001	2
52	MP1C	X	-4.342	4
53	MP1C	Z	0	4
54	MP1C	Mx	-.001	4
55	MP4B	X	-7.896	.25
56	MP4B	Z	0	.25
57	MP4B	Mx	.002	.25
58	RUA	X	-.901	.25
59	RUA	Z	0	.25
60	RUA	Mx	-.000451	.25
61	RUA	X	-2.755	2.5
62	RUA	Z	0	2.5
63	RUA	Mx	-.001	2.5
64	MP2A	X	-2.491	2
65	MP2A	Z	0	2
66	MP2A	Mx	-.001	2
67	MP2B	X	-3.703	2
68	MP2B	Z	0	2
69	MP2B	Mx	.000926	2
70	MP2C	X	-3.703	2
71	MP2C	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	.000926	2
73	MP4A	X	-7.076	.25
74	MP4A	Z	0	.25
75	MP4A	Mx	.004	.25
76	MP4A	X	-7.076	5.25
77	MP4A	Z	0	5.25
78	MP4A	Mx	.004	5.25
79	MP4B	X	-9.807	.25
80	MP4B	Z	0	.25
81	MP4B	Mx	-.002	.25
82	MP4B	X	-9.807	5.25
83	MP4B	Z	0	5.25
84	MP4B	Mx	-.002	5.25
85	MP4C	X	-9.807	.25
86	MP4C	Z	0	.25
87	MP4C	Mx	-.002	.25
88	MP4C	X	-9.807	5.25
89	MP4C	Z	0	5.25
90	MP4C	Mx	-.002	5.25
91	GPS	X	-.338	.25
92	GPS	Z	0	.25
93	GPS	Mx	0	.25
94	RUB	X	-.901	.25
95	RUB	Z	0	.25
96	RUB	Mx	-.000451	.25
97	RUB	X	-2.755	2.5
98	RUB	Z	0	2.5
99	RUB	Mx	-.001	2.5
100	RUC	X	-.901	.25
101	RUC	Z	0	.25
102	RUC	Mx	-.000451	.25
103	RUC	X	-2.755	2.5
104	RUC	Z	0	2.5
105	RUC	Mx	-.001	2.5
106	MP3A	X	-1.214	4
107	MP3A	Z	0	4
108	MP3A	Mx	-.000526	4
109	MP3A	X	-1.214	4
110	MP3A	Z	0	4
111	MP3A	Mx	.000526	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.562	.25
2	MP3A	Z	-2.057	.25
3	MP3A	Mx	.003	.25
4	MP3A	X	-3.562	5.25
5	MP3A	Z	-2.057	5.25
6	MP3A	Mx	.003	5.25
7	MP3B	X	-6.23	.25
8	MP3B	Z	-3.597	.25
9	MP3B	Mx	-.004	.25
10	MP3B	X	-6.23	5.25
11	MP3B	Z	-3.597	5.25
12	MP3B	Mx	-.004	5.25
13	MP3C	X	-3.562	.25
14	MP3C	Z	-2.057	.25
15	MP3C	Mx	-.000582	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3C	X	-3.562	5.25
17	MP3C	Z	-2.057	5.25
18	MP3C	Mx	-.000582	5.25
19	MP3A	X	-6.905	.25
20	MP3A	Z	-3.987	.25
21	MP3A	Mx	.001	.25
22	MP3A	X	-6.905	5.25
23	MP3A	Z	-3.987	5.25
24	MP3A	Mx	.001	5.25
25	MP3B	X	-9.236	.25
26	MP3B	Z	-5.332	.25
27	MP3B	Mx	.006	.25
28	MP3B	X	-9.236	5.25
29	MP3B	Z	-5.332	5.25
30	MP3B	Mx	.006	5.25
31	MP3C	X	-6.905	.25
32	MP3C	Z	-3.987	.25
33	MP3C	Mx	-.006	.25
34	MP3C	X	-6.905	5.25
35	MP3C	Z	-3.987	5.25
36	MP3C	Mx	-.006	5.25
37	MP1A	X	-2.286	2
38	MP1A	Z	-1.32	2
39	MP1A	Mx	.001	2
40	MP1A	X	-2.286	4
41	MP1A	Z	-1.32	4
42	MP1A	Mx	.001	4
43	MP1B	X	-4.497	2
44	MP1B	Z	-2.597	2
45	MP1B	Mx	0	2
46	MP1B	X	-4.497	4
47	MP1B	Z	-2.597	4
48	MP1B	Mx	0	4
49	MP1C	X	-2.286	2
50	MP1C	Z	-1.32	2
51	MP1C	Mx	-.001	2
52	MP1C	X	-2.286	4
53	MP1C	Z	-1.32	4
54	MP1C	Mx	-.001	4
55	MP4B	X	-7.274	.25
56	MP4B	Z	-4.199	.25
57	MP4B	Mx	0	.25
58	RUA	X	-.998	.25
59	RUA	Z	-.576	.25
60	RUA	Mx	-.000499	.25
61	RUA	X	-2.679	2.5
62	RUA	Z	-1.547	2.5
63	RUA	Mx	-.001	2.5
64	MP2A	X	-2.507	2
65	MP2A	Z	-1.447	2
66	MP2A	Mx	-.001	2
67	MP2B	X	-3.557	2
68	MP2B	Z	-2.053	2
69	MP2B	Mx	0	2
70	MP2C	X	-2.507	2
71	MP2C	Z	-1.447	2
72	MP2C	Mx	.001	2
73	MP4A	X	-6.917	.25
74	MP4A	Z	-3.993	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP4A	Mx	.003	.25
76	MP4A	X	-6.917	5.25
77	MP4A	Z	-3.993	5.25
78	MP4A	Mx	.003	5.25
79	MP4B	X	-9.281	.25
80	MP4B	Z	-5.359	.25
81	MP4B	Mx	0	.25
82	MP4B	X	-9.281	5.25
83	MP4B	Z	-5.359	5.25
84	MP4B	Mx	0	5.25
85	MP4C	X	-6.917	.25
86	MP4C	Z	-3.993	.25
87	MP4C	Mx	-.003	.25
88	MP4C	X	-6.917	5.25
89	MP4C	Z	-3.993	5.25
90	MP4C	Mx	-.003	5.25
91	GPS	X	-.235	.25
92	GPS	Z	-.136	.25
93	GPS	Mx	0	.25
94	RUB	X	-.998	.25
95	RUB	Z	-.576	.25
96	RUB	Mx	-.000499	.25
97	RUB	X	-2.679	2.5
98	RUB	Z	-1.547	2.5
99	RUB	Mx	-.001	2.5
100	RUC	X	-.998	.25
101	RUC	Z	-.576	.25
102	RUC	Mx	-.000499	.25
103	RUC	X	-2.679	2.5
104	RUC	Z	-1.547	2.5
105	RUC	Mx	-.001	2.5
106	MP3A	X	-1.819	4
107	MP3A	Z	-1.05	4
108	MP3A	Mx	-.000525	4
109	MP3A	X	-1.819	4
110	MP3A	Z	-1.05	4
111	MP3A	Mx	.000525	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.083	.25
2	MP3A	Z	-5.341	.25
3	MP3A	Mx	.005	.25
4	MP3A	X	-3.083	5.25
5	MP3A	Z	-5.341	5.25
6	MP3A	Mx	.005	5.25
7	MP3B	X	-3.083	.25
8	MP3B	Z	-5.341	.25
9	MP3B	Mx	-.002	.25
10	MP3B	X	-3.083	5.25
11	MP3B	Z	-5.341	5.25
12	MP3B	Mx	-.002	5.25
13	MP3C	X	-1.543	.25
14	MP3C	Z	-2.673	.25
15	MP3C	Mx	-.002	.25
16	MP3C	X	-1.543	5.25
17	MP3C	Z	-2.673	5.25
18	MP3C	Mx	-.002	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP3A	X	-4.884	.25
20	MP3A	Z	-8.459	.25
21	MP3A	Mx	-.002	.25
22	MP3A	X	-4.884	5.25
23	MP3A	Z	-8.459	5.25
24	MP3A	Mx	-.002	5.25
25	MP3B	X	-4.884	.25
26	MP3B	Z	-8.459	.25
27	MP3B	Mx	.007	.25
28	MP3B	X	-4.884	5.25
29	MP3B	Z	-8.459	5.25
30	MP3B	Mx	.007	5.25
31	MP3C	X	-3.538	.25
32	MP3C	Z	-6.128	.25
33	MP3C	Mx	-.004	.25
34	MP3C	X	-3.538	5.25
35	MP3C	Z	-6.128	5.25
36	MP3C	Mx	-.004	5.25
37	MP1A	X	-2.171	2
38	MP1A	Z	-3.76	2
39	MP1A	Mx	.001	2
40	MP1A	X	-2.171	4
41	MP1A	Z	-3.76	4
42	MP1A	Mx	.001	4
43	MP1B	X	-2.171	2
44	MP1B	Z	-3.76	2
45	MP1B	Mx	.001	2
46	MP1B	X	-2.171	4
47	MP1B	Z	-3.76	4
48	MP1B	Mx	.001	4
49	MP1C	X	-.894	2
50	MP1C	Z	-1.549	2
51	MP1C	Mx	-.000894	2
52	MP1C	X	-.894	4
53	MP1C	Z	-1.549	4
54	MP1C	Mx	-.000894	4
55	MP4B	X	-3.948	.25
56	MP4B	Z	-6.838	.25
57	MP4B	Mx	-.002	.25
58	RUA	X	-.828	.25
59	RUA	Z	-1.434	.25
60	RUA	Mx	-.000414	.25
61	RUA	X	-1.884	2.5
62	RUA	Z	-3.264	2.5
63	RUA	Mx	-.000942	2.5
64	MP2A	X	-1.851	2
65	MP2A	Z	-3.207	2
66	MP2A	Mx	-.000926	2
67	MP2B	X	-1.851	2
68	MP2B	Z	-3.207	2
69	MP2B	Mx	-.000926	2
70	MP2C	X	-1.245	2
71	MP2C	Z	-2.157	2
72	MP2C	Mx	.001	2
73	MP4A	X	-4.904	.25
74	MP4A	Z	-8.493	.25
75	MP4A	Mx	.002	.25
76	MP4A	X	-4.904	5.25
77	MP4A	Z	-8.493	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP4A	Mx	.002	5.25
79	MP4B	X	-4.904	.25
80	MP4B	Z	-8.493	.25
81	MP4B	Mx	.002	.25
82	MP4B	X	-4.904	5.25
83	MP4B	Z	-8.493	5.25
84	MP4B	Mx	.002	5.25
85	MP4C	X	-3.538	.25
86	MP4C	Z	-6.128	.25
87	MP4C	Mx	-.004	.25
88	MP4C	X	-3.538	5.25
89	MP4C	Z	-6.128	5.25
90	MP4C	Mx	-.004	5.25
91	GPS	X	-.119	.25
92	GPS	Z	-.207	.25
93	GPS	Mx	0	.25
94	RUB	X	-.828	.25
95	RUB	Z	-1.434	.25
96	RUB	Mx	-.000414	.25
97	RUB	X	-1.884	2.5
98	RUB	Z	-3.264	2.5
99	RUB	Mx	-.000942	2.5
100	RUC	X	-.828	.25
101	RUC	Z	-1.434	.25
102	RUC	Mx	-.000414	.25
103	RUC	X	-1.884	2.5
104	RUC	Z	-3.264	2.5
105	RUC	Mx	-.000942	2.5
106	MP3A	X	-1.272	4
107	MP3A	Z	-2.203	4
108	MP3A	Mx	0	4
109	MP3A	X	-1.272	4
110	MP3A	Z	-2.203	4
111	MP3A	Mx	0	4

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M40	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M44	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%100

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-.909	.25
2	MP3A	My	-.000454	.25
3	MP3A	Mz	-.00053	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3A	Y	-.909	5.25
5	MP3A	My	-.000454	5.25
6	MP3A	Mz	-.00053	5.25
7	MP3B	Y	-.909	.25
8	MP3B	My	.000686	.25
9	MP3B	Mz	-.000128	.25
10	MP3B	Y	-.909	5.25
11	MP3B	My	.000686	5.25
12	MP3B	Mz	-.000128	5.25
13	MP3C	Y	-.909	.25
14	MP3C	My	-.000232	.25
15	MP3C	Mz	.000659	.25
16	MP3C	Y	-.909	5.25
17	MP3C	My	-.000232	5.25
18	MP3C	Mz	.000659	5.25
19	MP3A	Y	-1.344	.25
20	MP3A	My	-.000672	.25
21	MP3A	Mz	.000784	.25
22	MP3A	Y	-1.344	5.25
23	MP3A	My	-.000672	5.25
24	MP3A	Mz	.000784	5.25
25	MP3B	Y	-1.344	.25
26	MP3B	My	-.000343	.25
27	MP3B	Mz	-.000974	.25
28	MP3B	Y	-1.344	5.25
29	MP3B	My	-.000343	5.25
30	MP3B	Mz	-.000974	5.25
31	MP3C	Y	-1.344	.25
32	MP3C	My	.001	.25
33	MP3C	Mz	.00019	.25
34	MP3C	Y	-1.344	5.25
35	MP3C	My	.001	5.25
36	MP3C	Mz	.00019	5.25
37	MP1A	Y	-1.812	2
38	MP1A	My	-.000906	2
39	MP1A	Mz	0	2
40	MP1A	Y	-1.812	4
41	MP1A	My	-.000906	4
42	MP1A	Mz	0	4
43	MP1B	Y	-1.812	2
44	MP1B	My	.000453	2
45	MP1B	Mz	-.000784	2
46	MP1B	Y	-1.812	4
47	MP1B	My	.000453	4
48	MP1B	Mz	-.000784	4
49	MP1C	Y	-1.812	2
50	MP1C	My	.000453	2
51	MP1C	Mz	.000784	2
52	MP1C	Y	-1.812	4
53	MP1C	My	.000453	4
54	MP1C	Mz	.000784	4
55	MP4B	Y	-1.331	.25
56	MP4B	My	-.000333	.25
57	MP4B	Mz	.000576	.25
58	RUA	Y	-.774	.25
59	RUA	My	.000387	.25
60	RUA	Mz	0	.25
61	RUA	Y	-3.108	2.5
62	RUA	My	.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	RUA	Mz	0	2.5
64	MP2A	Y	-2.924	2
65	MP2A	My	.001	2
66	MP2A	Mz	0	2
67	MP2B	Y	-2.924	2
68	MP2B	My	-.000731	2
69	MP2B	Mz	.001	2
70	MP2C	Y	-2.924	2
71	MP2C	My	-.000731	2
72	MP2C	Mz	-.001	2
73	MP4A	Y	-.688	.25
74	MP4A	My	-.000344	.25
75	MP4A	Mz	0	.25
76	MP4A	Y	-.688	5.25
77	MP4A	My	-.000344	5.25
78	MP4A	Mz	0	5.25
79	MP4B	Y	-.688	.25
80	MP4B	My	.000172	.25
81	MP4B	Mz	-.000298	.25
82	MP4B	Y	-.688	5.25
83	MP4B	My	.000172	5.25
84	MP4B	Mz	-.000298	5.25
85	MP4C	Y	-.688	.25
86	MP4C	My	.000172	.25
87	MP4C	Mz	.000298	.25
88	MP4C	Y	-.688	5.25
89	MP4C	My	.000172	5.25
90	MP4C	Mz	.000298	5.25
91	GPS	Y	-.017	.25
92	GPS	My	0	.25
93	GPS	Mz	0	.25
94	RUB	Y	-.774	.25
95	RUB	My	.000387	.25
96	RUB	Mz	0	.25
97	RUB	Y	-3.108	2.5
98	RUB	My	.002	2.5
99	RUB	Mz	0	2.5
100	RUC	Y	-.774	.25
101	RUC	My	.000387	.25
102	RUC	Mz	0	.25
103	RUC	Y	-3.108	2.5
104	RUC	My	.002	2.5
105	RUC	Mz	0	2.5
106	MP3A	Y	-.732	4
107	MP3A	My	.000317	4
108	MP3A	Mz	-.000183	4
109	MP3A	Y	-.732	4
110	MP3A	My	-.000317	4
111	MP3A	Mz	.000183	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Z	-2.272	.25
2	MP3A	Mx	.001	.25
3	MP3A	Z	-2.272	5.25
4	MP3A	Mx	.001	5.25
5	MP3B	Z	-2.272	.25
6	MP3B	Mx	.000321	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP3B	Z	-2.272	5.25
8	MP3B	Mx	.000321	5.25
9	MP3C	Z	-2.272	.25
10	MP3C	Mx	-.002	.25
11	MP3C	Z	-2.272	5.25
12	MP3C	Mx	-.002	5.25
13	MP3A	Z	-3.359	.25
14	MP3A	Mx	-.002	.25
15	MP3A	Z	-3.359	5.25
16	MP3A	Mx	-.002	5.25
17	MP3B	Z	-3.359	.25
18	MP3B	Mx	.002	.25
19	MP3B	Z	-3.359	5.25
20	MP3B	Mx	.002	5.25
21	MP3C	Z	-3.359	.25
22	MP3C	Mx	-.000475	.25
23	MP3C	Z	-3.359	5.25
24	MP3C	Mx	-.000475	5.25
25	MP1A	Z	-4.529	2
26	MP1A	Mx	0	2
27	MP1A	Z	-4.529	4
28	MP1A	Mx	0	4
29	MP1B	Z	-4.529	2
30	MP1B	Mx	.002	2
31	MP1B	Z	-4.529	4
32	MP1B	Mx	.002	4
33	MP1C	Z	-4.529	2
34	MP1C	Mx	-.002	2
35	MP1C	Z	-4.529	4
36	MP1C	Mx	-.002	4
37	MP4B	Z	-3.328	.25
38	MP4B	Mx	-.001	.25
39	RUA	Z	-1.934	.25
40	RUA	Mx	0	.25
41	RUA	Z	-7.769	2.5
42	RUA	Mx	0	2.5
43	MP2A	Z	-7.311	2
44	MP2A	Mx	0	2
45	MP2B	Z	-7.311	2
46	MP2B	Mx	-.003	2
47	MP2C	Z	-7.311	2
48	MP2C	Mx	.003	2
49	MP4A	Z	-1.721	.25
50	MP4A	Mx	0	.25
51	MP4A	Z	-1.721	5.25
52	MP4A	Mx	0	5.25
53	MP4B	Z	-1.721	.25
54	MP4B	Mx	.000745	.25
55	MP4B	Z	-1.721	5.25
56	MP4B	Mx	.000745	5.25
57	MP4C	Z	-1.721	.25
58	MP4C	Mx	-.000745	.25
59	MP4C	Z	-1.721	5.25
60	MP4C	Mx	-.000745	5.25
61	GPS	Z	-.042	.25
62	GPS	Mx	0	.25
63	RUB	Z	-1.934	.25
64	RUB	Mx	0	.25
65	RUB	Z	-7.769	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	RUB	Mx	0	2.5
67	RUC	Z	-1.934	.25
68	RUC	Mx	0	.25
69	RUC	Z	-7.769	2.5
70	RUC	Mx	0	2.5
71	MP3A	Z	-1.83	4
72	MP3A	Mx	.000458	4
73	MP3A	Z	-1.83	4
74	MP3A	Mx	-.000458	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.272	.25
2	MP3A	Mx	-.001	.25
3	MP3A	X	2.272	5.25
4	MP3A	Mx	-.001	5.25
5	MP3B	X	2.272	.25
6	MP3B	Mx	.002	.25
7	MP3B	X	2.272	5.25
8	MP3B	Mx	.002	5.25
9	MP3C	X	2.272	.25
10	MP3C	Mx	-.00058	.25
11	MP3C	X	2.272	5.25
12	MP3C	Mx	-.00058	5.25
13	MP3A	X	3.359	.25
14	MP3A	Mx	-.002	.25
15	MP3A	X	3.359	5.25
16	MP3A	Mx	-.002	5.25
17	MP3B	X	3.359	.25
18	MP3B	Mx	-.000857	.25
19	MP3B	X	3.359	5.25
20	MP3B	Mx	-.000857	5.25
21	MP3C	X	3.359	.25
22	MP3C	Mx	.003	.25
23	MP3C	X	3.359	5.25
24	MP3C	Mx	.003	5.25
25	MP1A	X	4.529	2
26	MP1A	Mx	-.002	2
27	MP1A	X	4.529	4
28	MP1A	Mx	-.002	4
29	MP1B	X	4.529	2
30	MP1B	Mx	.001	2
31	MP1B	X	4.529	4
32	MP1B	Mx	.001	4
33	MP1C	X	4.529	2
34	MP1C	Mx	.001	2
35	MP1C	X	4.529	4
36	MP1C	Mx	.001	4
37	MP4B	X	3.328	.25
38	MP4B	Mx	-.000832	.25
39	RUA	X	1.934	.25
40	RUA	Mx	.000967	.25
41	RUA	X	7.769	2.5
42	RUA	Mx	.004	2.5
43	MP2A	X	7.311	2
44	MP2A	Mx	.004	2
45	MP2B	X	7.311	2
46	MP2B	Mx	-.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP2C	X	7.311	2
48	MP2C	Mx	-.002	2
49	MP4A	X	1.721	.25
50	MP4A	Mx	-.000861	.25
51	MP4A	X	1.721	5.25
52	MP4A	Mx	-.000861	5.25
53	MP4B	X	1.721	.25
54	MP4B	Mx	.00043	.25
55	MP4B	X	1.721	5.25
56	MP4B	Mx	.00043	5.25
57	MP4C	X	1.721	.25
58	MP4C	Mx	.00043	.25
59	MP4C	X	1.721	5.25
60	MP4C	Mx	.00043	5.25
61	GPS	X	.042	.25
62	GPS	Mx	0	.25
63	RUB	X	1.934	.25
64	RUB	Mx	.000967	.25
65	RUB	X	7.769	2.5
66	RUB	Mx	.004	2.5
67	RUC	X	1.934	.25
68	RUC	Mx	.000967	.25
69	RUC	X	7.769	2.5
70	RUC	Mx	.004	2.5
71	MP3A	X	1.83	4
72	MP3A	Mx	.000793	4
73	MP3A	X	1.83	4
74	MP3A	Mx	-.000793	4

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-7.666	-7.666	0	%100
2	M3	Y	-7.666	-7.666	0	%100
3	M5	Y	-9.672	-9.672	0	%100
4	M8	Y	-10.675	-10.675	0	%100
5	M9	Y	-7.666	-7.666	0	%100
6	M10	Y	-7.666	-7.666	0	%100
7	M11	Y	-7.666	-7.666	0	%100
8	M17	Y	-7.666	-7.666	0	%100
9	M19	Y	-7.666	-7.666	0	%100
10	M20	Y	-7.666	-7.666	0	%100
11	M23B	Y	-7.666	-7.666	0	%100
12	M24A	Y	-7.666	-7.666	0	%100
13	M26A	Y	-7.666	-7.666	0	%100
14	M27	Y	-7.666	-7.666	0	%100
15	MP1A	Y	-5.016	-5.016	0	%100
16	MP2A	Y	-5.016	-5.016	0	%100
17	MP3A	Y	-5.016	-5.016	0	%100
18	MP4A	Y	-5.016	-5.016	0	%100
19	MP1C	Y	-5.016	-5.016	0	%100
20	MP2C	Y	-5.016	-5.016	0	%100
21	MP3C	Y	-5.016	-5.016	0	%100
22	MP4C	Y	-5.016	-5.016	0	%100
23	MP1B	Y	-5.016	-5.016	0	%100
24	MP2B	Y	-5.016	-5.016	0	%100
25	MP3B	Y	-5.016	-5.016	0	%100
26	MP4B	Y	-5.016	-5.016	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
27	M62	Y	-2.356	-2.356	0	%100
28	M63	Y	-2.356	-2.356	0	%100
29	M64	Y	-2.356	-2.356	0	%100
30	M65	Y	-2.356	-2.356	0	%100
31	GPS	Y	-5.016	-5.016	0	%100
32	M71	Y	-5.726	-5.726	0	%100
33	M76	Y	-5.726	-5.726	0	%100
34	M81	Y	-5.726	-5.726	0	%100
35	M92	Y	-7.666	-7.666	0	%100
36	M93	Y	-7.666	-7.666	0	%100
37	M94	Y	-7.666	-7.666	0	%100
38	M89A	Y	-9.672	-9.672	0	%100
39	M91A	Y	-10.675	-10.675	0	%100
40	M92A	Y	-9.672	-9.672	0	%100
41	M94A	Y	-10.675	-10.675	0	%100
42	M96	Y	-11.223	-11.223	0	%100
43	M98	Y	-11.223	-11.223	0	%100
44	M100	Y	-11.223	-11.223	0	%100
45	M103	Y	-2.534	-2.534	0	%100
46	M104	Y	-2.534	-2.534	0	%100
47	M109	Y	-2.534	-2.534	0	%100
48	M110	Y	-2.534	-2.534	0	%100
49	RUA	Y	-5.016	-5.016	0	%100
50	M116	Y	-2.534	-2.534	0	%100
51	M117	Y	-2.534	-2.534	0	%100
52	M122	Y	-2.534	-2.534	0	%100
53	M123	Y	-2.534	-2.534	0	%100
54	RUC	Y	-5.016	-5.016	0	%100
55	M129	Y	-2.534	-2.534	0	%100
56	M130	Y	-2.534	-2.534	0	%100
57	M135	Y	-2.534	-2.534	0	%100
58	M136	Y	-2.534	-2.534	0	%100
59	RUB	Y	-5.016	-5.016	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-22.999	-22.999	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	-22.999	-22.999	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-5.75	-5.75	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-5.75	-5.75	0	%100
15	M17	X	0	0	0	%100
16	M17	Z	-5.75	-5.75	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-5.75	-5.75	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M23B	X	0	0	0	%100
22	M23B	Z	-14.276	-14.276	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
23	M24A	X	0	0	0	%100
24	M24A	Z	-14.276	-14.276	0	%100
25	M26A	X	0	0	0	%100
26	M26A	Z	-14.276	-14.276	0	%100
27	M27	X	0	0	0	%100
28	M27	Z	-14.276	-14.276	0	%100
29	MP1A	X	0	0	0	%100
30	MP1A	Z	-10.925	-10.925	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	-10.925	-10.925	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	-10.925	-10.925	0	%100
35	MP4A	X	0	0	0	%100
36	MP4A	Z	-10.925	-10.925	0	%100
37	MP1C	X	0	0	0	%100
38	MP1C	Z	-10.925	-10.925	0	%100
39	MP2C	X	0	0	0	%100
40	MP2C	Z	-10.925	-10.925	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	-10.925	-10.925	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	-10.925	-10.925	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-10.925	-10.925	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	-10.925	-10.925	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	-10.925	-10.925	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	-10.925	-10.925	0	%100
53	M62	X	0	0	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M65	X	0	0	0	%100
60	M65	Z	0	0	0	%100
61	GPS	X	0	0	0	%100
62	GPS	Z	-9.956	-9.956	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	-13.225	-13.225	0	%100
65	M76	X	0	0	0	%100
66	M76	Z	-3.306	-3.306	0	%100
67	M81	X	0	0	0	%100
68	M81	Z	-3.306	-3.306	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	-4.217	-4.217	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	-4.217	-4.217	0	%100
73	M94	X	0	0	0	%100
74	M94	Z	-16.867	-16.867	0	%100
75	M89A	X	0	0	0	%100
76	M89A	Z	-9.855	-9.855	0	%100
77	M91A	X	0	0	0	%100
78	M91A	Z	-12.729	-12.729	0	%100
79	M92A	X	0	0	0	%100
80	M92A	Z	-9.855	-9.855	0	%100
81	M94A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
82	M94A	Z	-12.729	-12.729	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	-4.393	-4.393	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	-18.348	-18.348	0	%100
87	M100	X	0	0	0	%100
88	M100	Z	-18.348	-18.348	0	%100
89	M103	X	0	0	0	%100
90	M103	Z	0	0	0	%100
91	M104	X	0	0	0	%100
92	M104	Z	0	0	0	%100
93	M109	X	0	0	0	%100
94	M109	Z	0	0	0	%100
95	M110	X	0	0	0	%100
96	M110	Z	0	0	0	%100
97	RUA	X	0	0	0	%100
98	RUA	Z	-9.956	-9.956	0	%100
99	M116	X	0	0	0	%100
100	M116	Z	-1.541	-1.541	0	%100
101	M117	X	0	0	0	%100
102	M117	Z	-1.541	-1.541	0	%100
103	M122	X	0	0	0	%100
104	M122	Z	-1.541	-1.541	0	%100
105	M123	X	0	0	0	%100
106	M123	Z	-1.541	-1.541	0	%100
107	RUC	X	0	0	0	%100
108	RUC	Z	-9.956	-9.956	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	-1.541	-1.541	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	-1.541	-1.541	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	-1.541	-1.541	0	%100
115	M136	X	0	0	0	%100
116	M136	Z	-1.541	-1.541	0	%100
117	RUB	X	0	0	0	%100
118	RUB	Z	-9.956	-9.956	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	8.625	8.625	0	%100
2	M1	Z	-14.938	-14.938	0	%100
3	M3	X	8.625	8.625	0	%100
4	M3	Z	-14.938	-14.938	0	%100
5	M5	X	1.642	1.642	0	%100
6	M5	Z	-2.845	-2.845	0	%100
7	M8	X	2.121	2.121	0	%100
8	M8	Z	-3.674	-3.674	0	%100
9	M9	X	8.625	8.625	0	%100
10	M9	Z	-14.938	-14.938	0	%100
11	M10	X	2.379	2.379	0	%100
12	M10	Z	-4.121	-4.121	0	%100
13	M11	X	8.625	8.625	0	%100
14	M11	Z	-14.938	-14.938	0	%100
15	M17	X	0	0	0	%100
16	M17	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
19	M20	X	2.379	2.379	0	%100
20	M20	Z	-4.121	-4.121	0	%100
21	M23B	X	2.379	2.379	0	%100
22	M23B	Z	-4.121	-4.121	0	%100
23	M24A	X	2.379	2.379	0	%100
24	M24A	Z	-4.121	-4.121	0	%100
25	M26A	X	9.518	9.518	0	%100
26	M26A	Z	-16.485	-16.485	0	%100
27	M27	X	9.518	9.518	0	%100
28	M27	Z	-16.485	-16.485	0	%100
29	MP1A	X	5.462	5.462	0	%100
30	MP1A	Z	-9.461	-9.461	0	%100
31	MP2A	X	5.462	5.462	0	%100
32	MP2A	Z	-9.461	-9.461	0	%100
33	MP3A	X	5.462	5.462	0	%100
34	MP3A	Z	-9.461	-9.461	0	%100
35	MP4A	X	5.462	5.462	0	%100
36	MP4A	Z	-9.461	-9.461	0	%100
37	MP1C	X	5.462	5.462	0	%100
38	MP1C	Z	-9.461	-9.461	0	%100
39	MP2C	X	5.462	5.462	0	%100
40	MP2C	Z	-9.461	-9.461	0	%100
41	MP3C	X	5.462	5.462	0	%100
42	MP3C	Z	-9.461	-9.461	0	%100
43	MP4C	X	5.462	5.462	0	%100
44	MP4C	Z	-9.461	-9.461	0	%100
45	MP1B	X	5.462	5.462	0	%100
46	MP1B	Z	-9.461	-9.461	0	%100
47	MP2B	X	5.462	5.462	0	%100
48	MP2B	Z	-9.461	-9.461	0	%100
49	MP3B	X	5.462	5.462	0	%100
50	MP3B	Z	-9.461	-9.461	0	%100
51	MP4B	X	5.462	5.462	0	%100
52	MP4B	Z	-9.461	-9.461	0	%100
53	M62	X	.218	.218	0	%100
54	M62	Z	-.378	-.378	0	%100
55	M63	X	.218	.218	0	%100
56	M63	Z	-.378	-.378	0	%100
57	M64	X	.218	.218	0	%100
58	M64	Z	-.378	-.378	0	%100
59	M65	X	.218	.218	0	%100
60	M65	Z	-.378	-.378	0	%100
61	GPS	X	4.978	4.978	0	%100
62	GPS	Z	-8.622	-8.622	0	%100
63	M71	X	4.959	4.959	0	%100
64	M71	Z	-8.59	-8.59	0	%100
65	M76	X	4.959	4.959	0	%100
66	M76	Z	-8.59	-8.59	0	%100
67	M81	X	0	0	0	%100
68	M81	Z	0	0	0	%100
69	M92	X	6.325	6.325	0	%100
70	M92	Z	-10.955	-10.955	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M94	X	6.325	6.325	0	%100
74	M94	Z	-10.955	-10.955	0	%100
75	M89A	X	1.642	1.642	0	%100
76	M89A	Z	-2.845	-2.845	0	%100
77	M91A	X	2.121	2.121	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
78	M91A	Z	-3.674	-3.674	0	%100
79	M92A	X	6.57	6.57	0	%100
80	M92A	Z	-11.379	-11.379	0	%100
81	M94A	X	8.486	8.486	0	%100
82	M94A	Z	-14.698	-14.698	0	%100
83	M96	X	4.522	4.522	0	%100
84	M96	Z	-7.833	-7.833	0	%100
85	M98	X	4.522	4.522	0	%100
86	M98	Z	-7.833	-7.833	0	%100
87	M100	X	11.5	11.5	0	%100
88	M100	Z	-19.918	-19.918	0	%100
89	M103	X	.257	.257	0	%100
90	M103	Z	-.445	-.445	0	%100
91	M104	X	.257	.257	0	%100
92	M104	Z	-.445	-.445	0	%100
93	M109	X	.257	.257	0	%100
94	M109	Z	-.445	-.445	0	%100
95	M110	X	.257	.257	0	%100
96	M110	Z	-.445	-.445	0	%100
97	RUA	X	4.978	4.978	0	%100
98	RUA	Z	-8.622	-8.622	0	%100
99	M116	X	.257	.257	0	%100
100	M116	Z	-.445	-.445	0	%100
101	M117	X	.257	.257	0	%100
102	M117	Z	-.445	-.445	0	%100
103	M122	X	.257	.257	0	%100
104	M122	Z	-.445	-.445	0	%100
105	M123	X	.257	.257	0	%100
106	M123	Z	-.445	-.445	0	%100
107	RUC	X	4.978	4.978	0	%100
108	RUC	Z	-8.622	-8.622	0	%100
109	M129	X	1.028	1.028	0	%100
110	M129	Z	-1.78	-1.78	0	%100
111	M130	X	1.028	1.028	0	%100
112	M130	Z	-1.78	-1.78	0	%100
113	M135	X	1.028	1.028	0	%100
114	M135	Z	-1.78	-1.78	0	%100
115	M136	X	1.028	1.028	0	%100
116	M136	Z	-1.78	-1.78	0	%100
117	RUB	X	4.978	4.978	0	%100
118	RUB	Z	-8.622	-8.622	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.979	4.979	0	%100
2	M1	Z	-2.875	-2.875	0	%100
3	M3	X	4.979	4.979	0	%100
4	M3	Z	-2.875	-2.875	0	%100
5	M5	X	8.535	8.535	0	%100
6	M5	Z	-4.927	-4.927	0	%100
7	M8	X	11.023	11.023	0	%100
8	M8	Z	-6.364	-6.364	0	%100
9	M9	X	19.918	19.918	0	%100
10	M9	Z	-11.5	-11.5	0	%100
11	M10	X	12.364	12.364	0	%100
12	M10	Z	-7.138	-7.138	0	%100
13	M11	X	19.918	19.918	0	%100
14	M11	Z	-11.5	-11.5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
15	M17	X	4.979	4.979	0	%100
16	M17	Z	-2.875	-2.875	0	%100
17	M19	X	4.979	4.979	0	%100
18	M19	Z	-2.875	-2.875	0	%100
19	M20	X	12.364	12.364	0	%100
20	M20	Z	-7.138	-7.138	0	%100
21	M23B	X	0	0	0	%100
22	M23B	Z	0	0	0	%100
23	M24A	X	0	0	0	%100
24	M24A	Z	0	0	0	%100
25	M26A	X	12.364	12.364	0	%100
26	M26A	Z	-7.138	-7.138	0	%100
27	M27	X	12.364	12.364	0	%100
28	M27	Z	-7.138	-7.138	0	%100
29	MP1A	X	9.461	9.461	0	%100
30	MP1A	Z	-5.462	-5.462	0	%100
31	MP2A	X	9.461	9.461	0	%100
32	MP2A	Z	-5.462	-5.462	0	%100
33	MP3A	X	9.461	9.461	0	%100
34	MP3A	Z	-5.462	-5.462	0	%100
35	MP4A	X	9.461	9.461	0	%100
36	MP4A	Z	-5.462	-5.462	0	%100
37	MP1C	X	9.461	9.461	0	%100
38	MP1C	Z	-5.462	-5.462	0	%100
39	MP2C	X	9.461	9.461	0	%100
40	MP2C	Z	-5.462	-5.462	0	%100
41	MP3C	X	9.461	9.461	0	%100
42	MP3C	Z	-5.462	-5.462	0	%100
43	MP4C	X	9.461	9.461	0	%100
44	MP4C	Z	-5.462	-5.462	0	%100
45	MP1B	X	9.461	9.461	0	%100
46	MP1B	Z	-5.462	-5.462	0	%100
47	MP2B	X	9.461	9.461	0	%100
48	MP2B	Z	-5.462	-5.462	0	%100
49	MP3B	X	9.461	9.461	0	%100
50	MP3B	Z	-5.462	-5.462	0	%100
51	MP4B	X	9.461	9.461	0	%100
52	MP4B	Z	-5.462	-5.462	0	%100
53	M62	X	1.134	1.134	0	%100
54	M62	Z	-.655	-.655	0	%100
55	M63	X	1.134	1.134	0	%100
56	M63	Z	-.655	-.655	0	%100
57	M64	X	1.134	1.134	0	%100
58	M64	Z	-.655	-.655	0	%100
59	M65	X	1.134	1.134	0	%100
60	M65	Z	-.655	-.655	0	%100
61	GPS	X	8.622	8.622	0	%100
62	GPS	Z	-4.978	-4.978	0	%100
63	M71	X	2.863	2.863	0	%100
64	M71	Z	-1.653	-1.653	0	%100
65	M76	X	11.453	11.453	0	%100
66	M76	Z	-6.612	-6.612	0	%100
67	M81	X	2.863	2.863	0	%100
68	M81	Z	-1.653	-1.653	0	%100
69	M92	X	14.607	14.607	0	%100
70	M92	Z	-8.433	-8.433	0	%100
71	M93	X	3.652	3.652	0	%100
72	M93	Z	-2.108	-2.108	0	%100
73	M94	X	3.652	3.652	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
74	M94	Z	-2.108	-2.108	0	%100
75	M89A	X	0	0	0	%100
76	M89A	Z	0	0	0	%100
77	M91A	X	0	0	0	%100
78	M91A	Z	0	0	0	%100
79	M92A	X	8.535	8.535	0	%100
80	M92A	Z	-4.927	-4.927	0	%100
81	M94A	X	11.023	11.023	0	%100
82	M94A	Z	-6.364	-6.364	0	%100
83	M96	X	15.89	15.89	0	%100
84	M96	Z	-9.174	-9.174	0	%100
85	M98	X	3.805	3.805	0	%100
86	M98	Z	-2.197	-2.197	0	%100
87	M100	X	15.89	15.89	0	%100
88	M100	Z	-9.174	-9.174	0	%100
89	M103	X	1.335	1.335	0	%100
90	M103	Z	-.771	-.771	0	%100
91	M104	X	1.335	1.335	0	%100
92	M104	Z	-.771	-.771	0	%100
93	M109	X	1.335	1.335	0	%100
94	M109	Z	-.771	-.771	0	%100
95	M110	X	1.335	1.335	0	%100
96	M110	Z	-.771	-.771	0	%100
97	RUA	X	8.622	8.622	0	%100
98	RUA	Z	-4.978	-4.978	0	%100
99	M116	X	0	0	0	%100
100	M116	Z	0	0	0	%100
101	M117	X	0	0	0	%100
102	M117	Z	0	0	0	%100
103	M122	X	0	0	0	%100
104	M122	Z	0	0	0	%100
105	M123	X	0	0	0	%100
106	M123	Z	0	0	0	%100
107	RUC	X	8.622	8.622	0	%100
108	RUC	Z	-4.978	-4.978	0	%100
109	M129	X	1.335	1.335	0	%100
110	M129	Z	-.771	-.771	0	%100
111	M130	X	1.335	1.335	0	%100
112	M130	Z	-.771	-.771	0	%100
113	M135	X	1.335	1.335	0	%100
114	M135	Z	-.771	-.771	0	%100
115	M136	X	1.335	1.335	0	%100
116	M136	Z	-.771	-.771	0	%100
117	RUB	X	8.622	8.622	0	%100
118	RUB	Z	-4.978	-4.978	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	13.14	13.14	0	%100
6	M5	Z	0	0	0	%100
7	M8	X	16.972	16.972	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	17.249	17.249	0	%100
10	M9	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
11	M10	X	19.035	19.035	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	17.249	17.249	0	%100
14	M11	Z	0	0	0	%100
15	M17	X	17.249	17.249	0	%100
16	M17	Z	0	0	0	%100
17	M19	X	17.249	17.249	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	19.035	19.035	0	%100
20	M20	Z	0	0	0	%100
21	M23B	X	4.759	4.759	0	%100
22	M23B	Z	0	0	0	%100
23	M24A	X	4.759	4.759	0	%100
24	M24A	Z	0	0	0	%100
25	M26A	X	4.759	4.759	0	%100
26	M26A	Z	0	0	0	%100
27	M27	X	4.759	4.759	0	%100
28	M27	Z	0	0	0	%100
29	MP1A	X	10.925	10.925	0	%100
30	MP1A	Z	0	0	0	%100
31	MP2A	X	10.925	10.925	0	%100
32	MP2A	Z	0	0	0	%100
33	MP3A	X	10.925	10.925	0	%100
34	MP3A	Z	0	0	0	%100
35	MP4A	X	10.925	10.925	0	%100
36	MP4A	Z	0	0	0	%100
37	MP1C	X	10.925	10.925	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	10.925	10.925	0	%100
40	MP2C	Z	0	0	0	%100
41	MP3C	X	10.925	10.925	0	%100
42	MP3C	Z	0	0	0	%100
43	MP4C	X	10.925	10.925	0	%100
44	MP4C	Z	0	0	0	%100
45	MP1B	X	10.925	10.925	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	10.925	10.925	0	%100
48	MP2B	Z	0	0	0	%100
49	MP3B	X	10.925	10.925	0	%100
50	MP3B	Z	0	0	0	%100
51	MP4B	X	10.925	10.925	0	%100
52	MP4B	Z	0	0	0	%100
53	M62	X	1.746	1.746	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	1.746	1.746	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	1.746	1.746	0	%100
58	M64	Z	0	0	0	%100
59	M65	X	1.746	1.746	0	%100
60	M65	Z	0	0	0	%100
61	GPS	X	9.956	9.956	0	%100
62	GPS	Z	0	0	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100
65	M76	X	9.918	9.918	0	%100
66	M76	Z	0	0	0	%100
67	M81	X	9.918	9.918	0	%100
68	M81	Z	0	0	0	%100
69	M92	X	12.65	12.65	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
70	M92	Z	0	0	0	%100
71	M93	X	12.65	12.65	0	%100
72	M93	Z	0	0	0	%100
73	M94	X	0	0	0	%100
74	M94	Z	0	0	0	%100
75	M89A	X	3.285	3.285	0	%100
76	M89A	Z	0	0	0	%100
77	M91A	X	4.243	4.243	0	%100
78	M91A	Z	0	0	0	%100
79	M92A	X	3.285	3.285	0	%100
80	M92A	Z	0	0	0	%100
81	M94A	X	4.243	4.243	0	%100
82	M94A	Z	0	0	0	%100
83	M96	X	22.999	22.999	0	%100
84	M96	Z	0	0	0	%100
85	M98	X	9.045	9.045	0	%100
86	M98	Z	0	0	0	%100
87	M100	X	9.045	9.045	0	%100
88	M100	Z	0	0	0	%100
89	M103	X	2.055	2.055	0	%100
90	M103	Z	0	0	0	%100
91	M104	X	2.055	2.055	0	%100
92	M104	Z	0	0	0	%100
93	M109	X	2.055	2.055	0	%100
94	M109	Z	0	0	0	%100
95	M110	X	2.055	2.055	0	%100
96	M110	Z	0	0	0	%100
97	RUA	X	9.956	9.956	0	%100
98	RUA	Z	0	0	0	%100
99	M116	X	.514	.514	0	%100
100	M116	Z	0	0	0	%100
101	M117	X	.514	.514	0	%100
102	M117	Z	0	0	0	%100
103	M122	X	.514	.514	0	%100
104	M122	Z	0	0	0	%100
105	M123	X	.514	.514	0	%100
106	M123	Z	0	0	0	%100
107	RUC	X	9.956	9.956	0	%100
108	RUC	Z	0	0	0	%100
109	M129	X	.514	.514	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	.514	.514	0	%100
112	M130	Z	0	0	0	%100
113	M135	X	.514	.514	0	%100
114	M135	Z	0	0	0	%100
115	M136	X	.514	.514	0	%100
116	M136	Z	0	0	0	%100
117	RUB	X	9.956	9.956	0	%100
118	RUB	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.979	4.979	0	%100
2	M1	Z	2.875	2.875	0	%100
3	M3	X	4.979	4.979	0	%100
4	M3	Z	2.875	2.875	0	%100
5	M5	X	8.535	8.535	0	%100
6	M5	Z	4.927	4.927	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
7	M8	X	11.023	11.023	0	%100
8	M8	Z	6.364	6.364	0	%100
9	M9	X	4.979	4.979	0	%100
10	M9	Z	2.875	2.875	0	%100
11	M10	X	12.364	12.364	0	%100
12	M10	Z	7.138	7.138	0	%100
13	M11	X	4.979	4.979	0	%100
14	M11	Z	2.875	2.875	0	%100
15	M17	X	19.918	19.918	0	%100
16	M17	Z	11.5	11.5	0	%100
17	M19	X	19.918	19.918	0	%100
18	M19	Z	11.5	11.5	0	%100
19	M20	X	12.364	12.364	0	%100
20	M20	Z	7.138	7.138	0	%100
21	M23B	X	12.364	12.364	0	%100
22	M23B	Z	7.138	7.138	0	%100
23	M24A	X	12.364	12.364	0	%100
24	M24A	Z	7.138	7.138	0	%100
25	M26A	X	0	0	0	%100
26	M26A	Z	0	0	0	%100
27	M27	X	0	0	0	%100
28	M27	Z	0	0	0	%100
29	MP1A	X	9.461	9.461	0	%100
30	MP1A	Z	5.462	5.462	0	%100
31	MP2A	X	9.461	9.461	0	%100
32	MP2A	Z	5.462	5.462	0	%100
33	MP3A	X	9.461	9.461	0	%100
34	MP3A	Z	5.462	5.462	0	%100
35	MP4A	X	9.461	9.461	0	%100
36	MP4A	Z	5.462	5.462	0	%100
37	MP1C	X	9.461	9.461	0	%100
38	MP1C	Z	5.462	5.462	0	%100
39	MP2C	X	9.461	9.461	0	%100
40	MP2C	Z	5.462	5.462	0	%100
41	MP3C	X	9.461	9.461	0	%100
42	MP3C	Z	5.462	5.462	0	%100
43	MP4C	X	9.461	9.461	0	%100
44	MP4C	Z	5.462	5.462	0	%100
45	MP1B	X	9.461	9.461	0	%100
46	MP1B	Z	5.462	5.462	0	%100
47	MP2B	X	9.461	9.461	0	%100
48	MP2B	Z	5.462	5.462	0	%100
49	MP3B	X	9.461	9.461	0	%100
50	MP3B	Z	5.462	5.462	0	%100
51	MP4B	X	9.461	9.461	0	%100
52	MP4B	Z	5.462	5.462	0	%100
53	M62	X	1.134	1.134	0	%100
54	M62	Z	.655	.655	0	%100
55	M63	X	1.134	1.134	0	%100
56	M63	Z	.655	.655	0	%100
57	M64	X	1.134	1.134	0	%100
58	M64	Z	.655	.655	0	%100
59	M65	X	1.134	1.134	0	%100
60	M65	Z	.655	.655	0	%100
61	GPS	X	8.622	8.622	0	%100
62	GPS	Z	4.978	4.978	0	%100
63	M71	X	2.863	2.863	0	%100
64	M71	Z	1.653	1.653	0	%100
65	M76	X	2.863	2.863	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
66	M76	Z	1.653	1.653	0	%100
67	M81	X	11.453	11.453	0	%100
68	M81	Z	6.612	6.612	0	%100
69	M92	X	3.652	3.652	0	%100
70	M92	Z	2.108	2.108	0	%100
71	M93	X	14.607	14.607	0	%100
72	M93	Z	8.433	8.433	0	%100
73	M94	X	3.652	3.652	0	%100
74	M94	Z	2.108	2.108	0	%100
75	M89A	X	8.535	8.535	0	%100
76	M89A	Z	4.927	4.927	0	%100
77	M91A	X	11.023	11.023	0	%100
78	M91A	Z	6.364	6.364	0	%100
79	M92A	X	0	0	0	%100
80	M92A	Z	0	0	0	%100
81	M94A	X	0	0	0	%100
82	M94A	Z	0	0	0	%100
83	M96	X	15.89	15.89	0	%100
84	M96	Z	9.174	9.174	0	%100
85	M98	X	15.89	15.89	0	%100
86	M98	Z	9.174	9.174	0	%100
87	M100	X	3.805	3.805	0	%100
88	M100	Z	2.197	2.197	0	%100
89	M103	X	1.335	1.335	0	%100
90	M103	Z	.771	.771	0	%100
91	M104	X	1.335	1.335	0	%100
92	M104	Z	.771	.771	0	%100
93	M109	X	1.335	1.335	0	%100
94	M109	Z	.771	.771	0	%100
95	M110	X	1.335	1.335	0	%100
96	M110	Z	.771	.771	0	%100
97	RUA	X	8.622	8.622	0	%100
98	RUA	Z	4.978	4.978	0	%100
99	M116	X	1.335	1.335	0	%100
100	M116	Z	.771	.771	0	%100
101	M117	X	1.335	1.335	0	%100
102	M117	Z	.771	.771	0	%100
103	M122	X	1.335	1.335	0	%100
104	M122	Z	.771	.771	0	%100
105	M123	X	1.335	1.335	0	%100
106	M123	Z	.771	.771	0	%100
107	RUC	X	8.622	8.622	0	%100
108	RUC	Z	4.978	4.978	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	0	0	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	0	0	0	%100
115	M136	X	0	0	0	%100
116	M136	Z	0	0	0	%100
117	RUB	X	8.622	8.622	0	%100
118	RUB	Z	4.978	4.978	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	8.625	8.625	0	%100
2	M1	Z	14.938	14.938	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
3	M3	X	8.625	8.625	0	%100
4	M3	Z	14.938	14.938	0	%100
5	M5	X	1.642	1.642	0	%100
6	M5	Z	2.845	2.845	0	%100
7	M8	X	2.121	2.121	0	%100
8	M8	Z	3.674	3.674	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	2.379	2.379	0	%100
12	M10	Z	4.121	4.121	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M17	X	8.625	8.625	0	%100
16	M17	Z	14.938	14.938	0	%100
17	M19	X	8.625	8.625	0	%100
18	M19	Z	14.938	14.938	0	%100
19	M20	X	2.379	2.379	0	%100
20	M20	Z	4.121	4.121	0	%100
21	M23B	X	9.518	9.518	0	%100
22	M23B	Z	16.485	16.485	0	%100
23	M24A	X	9.518	9.518	0	%100
24	M24A	Z	16.485	16.485	0	%100
25	M26A	X	2.379	2.379	0	%100
26	M26A	Z	4.121	4.121	0	%100
27	M27	X	2.379	2.379	0	%100
28	M27	Z	4.121	4.121	0	%100
29	MP1A	X	5.462	5.462	0	%100
30	MP1A	Z	9.461	9.461	0	%100
31	MP2A	X	5.462	5.462	0	%100
32	MP2A	Z	9.461	9.461	0	%100
33	MP3A	X	5.462	5.462	0	%100
34	MP3A	Z	9.461	9.461	0	%100
35	MP4A	X	5.462	5.462	0	%100
36	MP4A	Z	9.461	9.461	0	%100
37	MP1C	X	5.462	5.462	0	%100
38	MP1C	Z	9.461	9.461	0	%100
39	MP2C	X	5.462	5.462	0	%100
40	MP2C	Z	9.461	9.461	0	%100
41	MP3C	X	5.462	5.462	0	%100
42	MP3C	Z	9.461	9.461	0	%100
43	MP4C	X	5.462	5.462	0	%100
44	MP4C	Z	9.461	9.461	0	%100
45	MP1B	X	5.462	5.462	0	%100
46	MP1B	Z	9.461	9.461	0	%100
47	MP2B	X	5.462	5.462	0	%100
48	MP2B	Z	9.461	9.461	0	%100
49	MP3B	X	5.462	5.462	0	%100
50	MP3B	Z	9.461	9.461	0	%100
51	MP4B	X	5.462	5.462	0	%100
52	MP4B	Z	9.461	9.461	0	%100
53	M62	X	.218	.218	0	%100
54	M62	Z	.378	.378	0	%100
55	M63	X	.218	.218	0	%100
56	M63	Z	.378	.378	0	%100
57	M64	X	.218	.218	0	%100
58	M64	Z	.378	.378	0	%100
59	M65	X	.218	.218	0	%100
60	M65	Z	.378	.378	0	%100
61	GPS	X	4.978	4.978	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
62	GPS	Z	8.622	8.622	0	%100
63	M71	X	4.959	4.959	0	%100
64	M71	Z	8.59	8.59	0	%100
65	M76	X	0	0	0	%100
66	M76	Z	0	0	0	%100
67	M81	X	4.959	4.959	0	%100
68	M81	Z	8.59	8.59	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100
71	M93	X	6.325	6.325	0	%100
72	M93	Z	10.955	10.955	0	%100
73	M94	X	6.325	6.325	0	%100
74	M94	Z	10.955	10.955	0	%100
75	M89A	X	6.57	6.57	0	%100
76	M89A	Z	11.379	11.379	0	%100
77	M91A	X	8.486	8.486	0	%100
78	M91A	Z	14.698	14.698	0	%100
79	M92A	X	1.642	1.642	0	%100
80	M92A	Z	2.845	2.845	0	%100
81	M94A	X	2.121	2.121	0	%100
82	M94A	Z	3.674	3.674	0	%100
83	M96	X	4.522	4.522	0	%100
84	M96	Z	7.833	7.833	0	%100
85	M98	X	11.5	11.5	0	%100
86	M98	Z	19.918	19.918	0	%100
87	M100	X	4.522	4.522	0	%100
88	M100	Z	7.833	7.833	0	%100
89	M103	X	.257	.257	0	%100
90	M103	Z	.445	.445	0	%100
91	M104	X	.257	.257	0	%100
92	M104	Z	.445	.445	0	%100
93	M109	X	.257	.257	0	%100
94	M109	Z	.445	.445	0	%100
95	M110	X	.257	.257	0	%100
96	M110	Z	.445	.445	0	%100
97	RUA	X	4.978	4.978	0	%100
98	RUA	Z	8.622	8.622	0	%100
99	M116	X	1.028	1.028	0	%100
100	M116	Z	1.78	1.78	0	%100
101	M117	X	1.028	1.028	0	%100
102	M117	Z	1.78	1.78	0	%100
103	M122	X	1.028	1.028	0	%100
104	M122	Z	1.78	1.78	0	%100
105	M123	X	1.028	1.028	0	%100
106	M123	Z	1.78	1.78	0	%100
107	RUC	X	4.978	4.978	0	%100
108	RUC	Z	8.622	8.622	0	%100
109	M129	X	.257	.257	0	%100
110	M129	Z	.445	.445	0	%100
111	M130	X	.257	.257	0	%100
112	M130	Z	.445	.445	0	%100
113	M135	X	.257	.257	0	%100
114	M135	Z	.445	.445	0	%100
115	M136	X	.257	.257	0	%100
116	M136	Z	.445	.445	0	%100
117	RUB	X	4.978	4.978	0	%100
118	RUB	Z	8.622	8.622	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	22.999	22.999	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	22.999	22.999	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	5.75	5.75	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	5.75	5.75	0	%100
15	M17	X	0	0	0	%100
16	M17	Z	5.75	5.75	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	5.75	5.75	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M23B	X	0	0	0	%100
22	M23B	Z	14.276	14.276	0	%100
23	M24A	X	0	0	0	%100
24	M24A	Z	14.276	14.276	0	%100
25	M26A	X	0	0	0	%100
26	M26A	Z	14.276	14.276	0	%100
27	M27	X	0	0	0	%100
28	M27	Z	14.276	14.276	0	%100
29	MP1A	X	0	0	0	%100
30	MP1A	Z	10.925	10.925	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	10.925	10.925	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	10.925	10.925	0	%100
35	MP4A	X	0	0	0	%100
36	MP4A	Z	10.925	10.925	0	%100
37	MP1C	X	0	0	0	%100
38	MP1C	Z	10.925	10.925	0	%100
39	MP2C	X	0	0	0	%100
40	MP2C	Z	10.925	10.925	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	10.925	10.925	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	10.925	10.925	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	10.925	10.925	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	10.925	10.925	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	10.925	10.925	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	10.925	10.925	0	%100
53	M62	X	0	0	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M65	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	0	0	0	%100
61	GPS	X	0	0	0	%100
62	GPS	Z	9.956	9.956	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	13.225	13.225	0	%100
65	M76	X	0	0	0	%100
66	M76	Z	3.306	3.306	0	%100
67	M81	X	0	0	0	%100
68	M81	Z	3.306	3.306	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	4.217	4.217	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	4.217	4.217	0	%100
73	M94	X	0	0	0	%100
74	M94	Z	16.867	16.867	0	%100
75	M89A	X	0	0	0	%100
76	M89A	Z	9.855	9.855	0	%100
77	M91A	X	0	0	0	%100
78	M91A	Z	12.729	12.729	0	%100
79	M92A	X	0	0	0	%100
80	M92A	Z	9.855	9.855	0	%100
81	M94A	X	0	0	0	%100
82	M94A	Z	12.729	12.729	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	4.393	4.393	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	18.348	18.348	0	%100
87	M100	X	0	0	0	%100
88	M100	Z	18.348	18.348	0	%100
89	M103	X	0	0	0	%100
90	M103	Z	0	0	0	%100
91	M104	X	0	0	0	%100
92	M104	Z	0	0	0	%100
93	M109	X	0	0	0	%100
94	M109	Z	0	0	0	%100
95	M110	X	0	0	0	%100
96	M110	Z	0	0	0	%100
97	RUA	X	0	0	0	%100
98	RUA	Z	9.956	9.956	0	%100
99	M116	X	0	0	0	%100
100	M116	Z	1.541	1.541	0	%100
101	M117	X	0	0	0	%100
102	M117	Z	1.541	1.541	0	%100
103	M122	X	0	0	0	%100
104	M122	Z	1.541	1.541	0	%100
105	M123	X	0	0	0	%100
106	M123	Z	1.541	1.541	0	%100
107	RUC	X	0	0	0	%100
108	RUC	Z	9.956	9.956	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	1.541	1.541	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	1.541	1.541	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	1.541	1.541	0	%100
115	M136	X	0	0	0	%100
116	M136	Z	1.541	1.541	0	%100
117	RUB	X	0	0	0	%100
118	RUB	Z	9.956	9.956	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-8.625	-8.625	0	%100
2	M1	Z	14.938	14.938	0	%100
3	M3	X	-8.625	-8.625	0	%100
4	M3	Z	14.938	14.938	0	%100
5	M5	X	-1.642	-1.642	0	%100
6	M5	Z	2.845	2.845	0	%100
7	M8	X	-2.121	-2.121	0	%100
8	M8	Z	3.674	3.674	0	%100
9	M9	X	-8.625	-8.625	0	%100
10	M9	Z	14.938	14.938	0	%100
11	M10	X	-2.379	-2.379	0	%100
12	M10	Z	4.121	4.121	0	%100
13	M11	X	-8.625	-8.625	0	%100
14	M11	Z	14.938	14.938	0	%100
15	M17	X	0	0	0	%100
16	M17	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-2.379	-2.379	0	%100
20	M20	Z	4.121	4.121	0	%100
21	M23B	X	-2.379	-2.379	0	%100
22	M23B	Z	4.121	4.121	0	%100
23	M24A	X	-2.379	-2.379	0	%100
24	M24A	Z	4.121	4.121	0	%100
25	M26A	X	-9.518	-9.518	0	%100
26	M26A	Z	16.485	16.485	0	%100
27	M27	X	-9.518	-9.518	0	%100
28	M27	Z	16.485	16.485	0	%100
29	MP1A	X	-5.462	-5.462	0	%100
30	MP1A	Z	9.461	9.461	0	%100
31	MP2A	X	-5.462	-5.462	0	%100
32	MP2A	Z	9.461	9.461	0	%100
33	MP3A	X	-5.462	-5.462	0	%100
34	MP3A	Z	9.461	9.461	0	%100
35	MP4A	X	-5.462	-5.462	0	%100
36	MP4A	Z	9.461	9.461	0	%100
37	MP1C	X	-5.462	-5.462	0	%100
38	MP1C	Z	9.461	9.461	0	%100
39	MP2C	X	-5.462	-5.462	0	%100
40	MP2C	Z	9.461	9.461	0	%100
41	MP3C	X	-5.462	-5.462	0	%100
42	MP3C	Z	9.461	9.461	0	%100
43	MP4C	X	-5.462	-5.462	0	%100
44	MP4C	Z	9.461	9.461	0	%100
45	MP1B	X	-5.462	-5.462	0	%100
46	MP1B	Z	9.461	9.461	0	%100
47	MP2B	X	-5.462	-5.462	0	%100
48	MP2B	Z	9.461	9.461	0	%100
49	MP3B	X	-5.462	-5.462	0	%100
50	MP3B	Z	9.461	9.461	0	%100
51	MP4B	X	-5.462	-5.462	0	%100
52	MP4B	Z	9.461	9.461	0	%100
53	M62	X	-.218	-.218	0	%100
54	M62	Z	.378	.378	0	%100
55	M63	X	-.218	-.218	0	%100
56	M63	Z	.378	.378	0	%100
57	M64	X	-.218	-.218	0	%100
58	M64	Z	.378	.378	0	%100
59	M65	X	-.218	-.218	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	.378	.378	0	%100
61	GPS	X	-4.978	-4.978	0	%100
62	GPS	Z	8.622	8.622	0	%100
63	M71	X	-4.959	-4.959	0	%100
64	M71	Z	8.59	8.59	0	%100
65	M76	X	-4.959	-4.959	0	%100
66	M76	Z	8.59	8.59	0	%100
67	M81	X	0	0	0	%100
68	M81	Z	0	0	0	%100
69	M92	X	-6.325	-6.325	0	%100
70	M92	Z	10.955	10.955	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M94	X	-6.325	-6.325	0	%100
74	M94	Z	10.955	10.955	0	%100
75	M89A	X	-1.642	-1.642	0	%100
76	M89A	Z	2.845	2.845	0	%100
77	M91A	X	-2.121	-2.121	0	%100
78	M91A	Z	3.674	3.674	0	%100
79	M92A	X	-6.57	-6.57	0	%100
80	M92A	Z	11.379	11.379	0	%100
81	M94A	X	-8.486	-8.486	0	%100
82	M94A	Z	14.698	14.698	0	%100
83	M96	X	-4.522	-4.522	0	%100
84	M96	Z	7.833	7.833	0	%100
85	M98	X	-4.522	-4.522	0	%100
86	M98	Z	7.833	7.833	0	%100
87	M100	X	-11.5	-11.5	0	%100
88	M100	Z	19.918	19.918	0	%100
89	M103	X	-.257	-.257	0	%100
90	M103	Z	.445	.445	0	%100
91	M104	X	-.257	-.257	0	%100
92	M104	Z	.445	.445	0	%100
93	M109	X	-.257	-.257	0	%100
94	M109	Z	.445	.445	0	%100
95	M110	X	-.257	-.257	0	%100
96	M110	Z	.445	.445	0	%100
97	RUA	X	-4.978	-4.978	0	%100
98	RUA	Z	8.622	8.622	0	%100
99	M116	X	-.257	-.257	0	%100
100	M116	Z	.445	.445	0	%100
101	M117	X	-.257	-.257	0	%100
102	M117	Z	.445	.445	0	%100
103	M122	X	-.257	-.257	0	%100
104	M122	Z	.445	.445	0	%100
105	M123	X	-.257	-.257	0	%100
106	M123	Z	.445	.445	0	%100
107	RUC	X	-4.978	-4.978	0	%100
108	RUC	Z	8.622	8.622	0	%100
109	M129	X	-1.028	-1.028	0	%100
110	M129	Z	1.78	1.78	0	%100
111	M130	X	-1.028	-1.028	0	%100
112	M130	Z	1.78	1.78	0	%100
113	M135	X	-1.028	-1.028	0	%100
114	M135	Z	1.78	1.78	0	%100
115	M136	X	-1.028	-1.028	0	%100
116	M136	Z	1.78	1.78	0	%100
117	RUB	X	-4.978	-4.978	0	%100
118	RUB	Z	8.622	8.622	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.979	-4.979	0	%100
2	M1	Z	2.875	2.875	0	%100
3	M3	X	-4.979	-4.979	0	%100
4	M3	Z	2.875	2.875	0	%100
5	M5	X	-8.535	-8.535	0	%100
6	M5	Z	4.927	4.927	0	%100
7	M8	X	-11.023	-11.023	0	%100
8	M8	Z	6.364	6.364	0	%100
9	M9	X	-19.918	-19.918	0	%100
10	M9	Z	11.5	11.5	0	%100
11	M10	X	-12.364	-12.364	0	%100
12	M10	Z	7.138	7.138	0	%100
13	M11	X	-19.918	-19.918	0	%100
14	M11	Z	11.5	11.5	0	%100
15	M17	X	-4.979	-4.979	0	%100
16	M17	Z	2.875	2.875	0	%100
17	M19	X	-4.979	-4.979	0	%100
18	M19	Z	2.875	2.875	0	%100
19	M20	X	-12.364	-12.364	0	%100
20	M20	Z	7.138	7.138	0	%100
21	M23B	X	0	0	0	%100
22	M23B	Z	0	0	0	%100
23	M24A	X	0	0	0	%100
24	M24A	Z	0	0	0	%100
25	M26A	X	-12.364	-12.364	0	%100
26	M26A	Z	7.138	7.138	0	%100
27	M27	X	-12.364	-12.364	0	%100
28	M27	Z	7.138	7.138	0	%100
29	MP1A	X	-9.461	-9.461	0	%100
30	MP1A	Z	5.462	5.462	0	%100
31	MP2A	X	-9.461	-9.461	0	%100
32	MP2A	Z	5.462	5.462	0	%100
33	MP3A	X	-9.461	-9.461	0	%100
34	MP3A	Z	5.462	5.462	0	%100
35	MP4A	X	-9.461	-9.461	0	%100
36	MP4A	Z	5.462	5.462	0	%100
37	MP1C	X	-9.461	-9.461	0	%100
38	MP1C	Z	5.462	5.462	0	%100
39	MP2C	X	-9.461	-9.461	0	%100
40	MP2C	Z	5.462	5.462	0	%100
41	MP3C	X	-9.461	-9.461	0	%100
42	MP3C	Z	5.462	5.462	0	%100
43	MP4C	X	-9.461	-9.461	0	%100
44	MP4C	Z	5.462	5.462	0	%100
45	MP1B	X	-9.461	-9.461	0	%100
46	MP1B	Z	5.462	5.462	0	%100
47	MP2B	X	-9.461	-9.461	0	%100
48	MP2B	Z	5.462	5.462	0	%100
49	MP3B	X	-9.461	-9.461	0	%100
50	MP3B	Z	5.462	5.462	0	%100
51	MP4B	X	-9.461	-9.461	0	%100
52	MP4B	Z	5.462	5.462	0	%100
53	M62	X	-1.134	-1.134	0	%100
54	M62	Z	.655	.655	0	%100
55	M63	X	-1.134	-1.134	0	%100
56	M63	Z	.655	.655	0	%100
57	M64	X	-1.134	-1.134	0	%100
58	M64	Z	.655	.655	0	%100
59	M65	X	-1.134	-1.134	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	.655	.655	0	%100
61	GPS	X	-8.622	-8.622	0	%100
62	GPS	Z	4.978	4.978	0	%100
63	M71	X	-2.863	-2.863	0	%100
64	M71	Z	1.653	1.653	0	%100
65	M76	X	-11.453	-11.453	0	%100
66	M76	Z	6.612	6.612	0	%100
67	M81	X	-2.863	-2.863	0	%100
68	M81	Z	1.653	1.653	0	%100
69	M92	X	-14.607	-14.607	0	%100
70	M92	Z	8.433	8.433	0	%100
71	M93	X	-3.652	-3.652	0	%100
72	M93	Z	2.108	2.108	0	%100
73	M94	X	-3.652	-3.652	0	%100
74	M94	Z	2.108	2.108	0	%100
75	M89A	X	0	0	0	%100
76	M89A	Z	0	0	0	%100
77	M91A	X	0	0	0	%100
78	M91A	Z	0	0	0	%100
79	M92A	X	-8.535	-8.535	0	%100
80	M92A	Z	4.927	4.927	0	%100
81	M94A	X	-11.023	-11.023	0	%100
82	M94A	Z	6.364	6.364	0	%100
83	M96	X	-15.89	-15.89	0	%100
84	M96	Z	9.174	9.174	0	%100
85	M98	X	-3.805	-3.805	0	%100
86	M98	Z	2.197	2.197	0	%100
87	M100	X	-15.89	-15.89	0	%100
88	M100	Z	9.174	9.174	0	%100
89	M103	X	-1.335	-1.335	0	%100
90	M103	Z	.771	.771	0	%100
91	M104	X	-1.335	-1.335	0	%100
92	M104	Z	.771	.771	0	%100
93	M109	X	-1.335	-1.335	0	%100
94	M109	Z	.771	.771	0	%100
95	M110	X	-1.335	-1.335	0	%100
96	M110	Z	.771	.771	0	%100
97	RUA	X	-8.622	-8.622	0	%100
98	RUA	Z	4.978	4.978	0	%100
99	M116	X	0	0	0	%100
100	M116	Z	0	0	0	%100
101	M117	X	0	0	0	%100
102	M117	Z	0	0	0	%100
103	M122	X	0	0	0	%100
104	M122	Z	0	0	0	%100
105	M123	X	0	0	0	%100
106	M123	Z	0	0	0	%100
107	RUC	X	-8.622	-8.622	0	%100
108	RUC	Z	4.978	4.978	0	%100
109	M129	X	-1.335	-1.335	0	%100
110	M129	Z	.771	.771	0	%100
111	M130	X	-1.335	-1.335	0	%100
112	M130	Z	.771	.771	0	%100
113	M135	X	-1.335	-1.335	0	%100
114	M135	Z	.771	.771	0	%100
115	M136	X	-1.335	-1.335	0	%100
116	M136	Z	.771	.771	0	%100
117	RUB	X	-8.622	-8.622	0	%100
118	RUB	Z	4.978	4.978	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	-13.14	-13.14	0	%100
6	M5	Z	0	0	0	%100
7	M8	X	-16.972	-16.972	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-17.249	-17.249	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-19.035	-19.035	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-17.249	-17.249	0	%100
14	M11	Z	0	0	0	%100
15	M17	X	-17.249	-17.249	0	%100
16	M17	Z	0	0	0	%100
17	M19	X	-17.249	-17.249	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-19.035	-19.035	0	%100
20	M20	Z	0	0	0	%100
21	M23B	X	-4.759	-4.759	0	%100
22	M23B	Z	0	0	0	%100
23	M24A	X	-4.759	-4.759	0	%100
24	M24A	Z	0	0	0	%100
25	M26A	X	-4.759	-4.759	0	%100
26	M26A	Z	0	0	0	%100
27	M27	X	-4.759	-4.759	0	%100
28	M27	Z	0	0	0	%100
29	MP1A	X	-10.925	-10.925	0	%100
30	MP1A	Z	0	0	0	%100
31	MP2A	X	-10.925	-10.925	0	%100
32	MP2A	Z	0	0	0	%100
33	MP3A	X	-10.925	-10.925	0	%100
34	MP3A	Z	0	0	0	%100
35	MP4A	X	-10.925	-10.925	0	%100
36	MP4A	Z	0	0	0	%100
37	MP1C	X	-10.925	-10.925	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	-10.925	-10.925	0	%100
40	MP2C	Z	0	0	0	%100
41	MP3C	X	-10.925	-10.925	0	%100
42	MP3C	Z	0	0	0	%100
43	MP4C	X	-10.925	-10.925	0	%100
44	MP4C	Z	0	0	0	%100
45	MP1B	X	-10.925	-10.925	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	-10.925	-10.925	0	%100
48	MP2B	Z	0	0	0	%100
49	MP3B	X	-10.925	-10.925	0	%100
50	MP3B	Z	0	0	0	%100
51	MP4B	X	-10.925	-10.925	0	%100
52	MP4B	Z	0	0	0	%100
53	M62	X	-1.746	-1.746	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	-1.746	-1.746	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	-1.746	-1.746	0	%100
58	M64	Z	0	0	0	%100
59	M65	X	-1.746	-1.746	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	0	0	0	%100
61	GPS	X	-9.956	-9.956	0	%100
62	GPS	Z	0	0	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100
65	M76	X	-9.918	-9.918	0	%100
66	M76	Z	0	0	0	%100
67	M81	X	-9.918	-9.918	0	%100
68	M81	Z	0	0	0	%100
69	M92	X	-12.65	-12.65	0	%100
70	M92	Z	0	0	0	%100
71	M93	X	-12.65	-12.65	0	%100
72	M93	Z	0	0	0	%100
73	M94	X	0	0	0	%100
74	M94	Z	0	0	0	%100
75	M89A	X	-3.285	-3.285	0	%100
76	M89A	Z	0	0	0	%100
77	M91A	X	-4.243	-4.243	0	%100
78	M91A	Z	0	0	0	%100
79	M92A	X	-3.285	-3.285	0	%100
80	M92A	Z	0	0	0	%100
81	M94A	X	-4.243	-4.243	0	%100
82	M94A	Z	0	0	0	%100
83	M96	X	-22.999	-22.999	0	%100
84	M96	Z	0	0	0	%100
85	M98	X	-9.045	-9.045	0	%100
86	M98	Z	0	0	0	%100
87	M100	X	-9.045	-9.045	0	%100
88	M100	Z	0	0	0	%100
89	M103	X	-2.055	-2.055	0	%100
90	M103	Z	0	0	0	%100
91	M104	X	-2.055	-2.055	0	%100
92	M104	Z	0	0	0	%100
93	M109	X	-2.055	-2.055	0	%100
94	M109	Z	0	0	0	%100
95	M110	X	-2.055	-2.055	0	%100
96	M110	Z	0	0	0	%100
97	RUA	X	-9.956	-9.956	0	%100
98	RUA	Z	0	0	0	%100
99	M116	X	-.514	-.514	0	%100
100	M116	Z	0	0	0	%100
101	M117	X	-.514	-.514	0	%100
102	M117	Z	0	0	0	%100
103	M122	X	-.514	-.514	0	%100
104	M122	Z	0	0	0	%100
105	M123	X	-.514	-.514	0	%100
106	M123	Z	0	0	0	%100
107	RUC	X	-9.956	-9.956	0	%100
108	RUC	Z	0	0	0	%100
109	M129	X	-.514	-.514	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	-.514	-.514	0	%100
112	M130	Z	0	0	0	%100
113	M135	X	-.514	-.514	0	%100
114	M135	Z	0	0	0	%100
115	M136	X	-.514	-.514	0	%100
116	M136	Z	0	0	0	%100
117	RUB	X	-9.956	-9.956	0	%100
118	RUB	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.979	-4.979	0	%100
2	M1	Z	-2.875	-2.875	0	%100
3	M3	X	-4.979	-4.979	0	%100
4	M3	Z	-2.875	-2.875	0	%100
5	M5	X	-8.535	-8.535	0	%100
6	M5	Z	-4.927	-4.927	0	%100
7	M8	X	-11.023	-11.023	0	%100
8	M8	Z	-6.364	-6.364	0	%100
9	M9	X	-4.979	-4.979	0	%100
10	M9	Z	-2.875	-2.875	0	%100
11	M10	X	-12.364	-12.364	0	%100
12	M10	Z	-7.138	-7.138	0	%100
13	M11	X	-4.979	-4.979	0	%100
14	M11	Z	-2.875	-2.875	0	%100
15	M17	X	-19.918	-19.918	0	%100
16	M17	Z	-11.5	-11.5	0	%100
17	M19	X	-19.918	-19.918	0	%100
18	M19	Z	-11.5	-11.5	0	%100
19	M20	X	-12.364	-12.364	0	%100
20	M20	Z	-7.138	-7.138	0	%100
21	M23B	X	-12.364	-12.364	0	%100
22	M23B	Z	-7.138	-7.138	0	%100
23	M24A	X	-12.364	-12.364	0	%100
24	M24A	Z	-7.138	-7.138	0	%100
25	M26A	X	0	0	0	%100
26	M26A	Z	0	0	0	%100
27	M27	X	0	0	0	%100
28	M27	Z	0	0	0	%100
29	MP1A	X	-9.461	-9.461	0	%100
30	MP1A	Z	-5.462	-5.462	0	%100
31	MP2A	X	-9.461	-9.461	0	%100
32	MP2A	Z	-5.462	-5.462	0	%100
33	MP3A	X	-9.461	-9.461	0	%100
34	MP3A	Z	-5.462	-5.462	0	%100
35	MP4A	X	-9.461	-9.461	0	%100
36	MP4A	Z	-5.462	-5.462	0	%100
37	MP1C	X	-9.461	-9.461	0	%100
38	MP1C	Z	-5.462	-5.462	0	%100
39	MP2C	X	-9.461	-9.461	0	%100
40	MP2C	Z	-5.462	-5.462	0	%100
41	MP3C	X	-9.461	-9.461	0	%100
42	MP3C	Z	-5.462	-5.462	0	%100
43	MP4C	X	-9.461	-9.461	0	%100
44	MP4C	Z	-5.462	-5.462	0	%100
45	MP1B	X	-9.461	-9.461	0	%100
46	MP1B	Z	-5.462	-5.462	0	%100
47	MP2B	X	-9.461	-9.461	0	%100
48	MP2B	Z	-5.462	-5.462	0	%100
49	MP3B	X	-9.461	-9.461	0	%100
50	MP3B	Z	-5.462	-5.462	0	%100
51	MP4B	X	-9.461	-9.461	0	%100
52	MP4B	Z	-5.462	-5.462	0	%100
53	M62	X	-1.134	-1.134	0	%100
54	M62	Z	-.655	-.655	0	%100
55	M63	X	-1.134	-1.134	0	%100
56	M63	Z	-.655	-.655	0	%100
57	M64	X	-1.134	-1.134	0	%100
58	M64	Z	-.655	-.655	0	%100
59	M65	X	-1.134	-1.134	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	-.655	-.655	0	%100
61	GPS	X	-8.622	-8.622	0	%100
62	GPS	Z	-4.978	-4.978	0	%100
63	M71	X	-2.863	-2.863	0	%100
64	M71	Z	-1.653	-1.653	0	%100
65	M76	X	-2.863	-2.863	0	%100
66	M76	Z	-1.653	-1.653	0	%100
67	M81	X	-11.453	-11.453	0	%100
68	M81	Z	-6.612	-6.612	0	%100
69	M92	X	-3.652	-3.652	0	%100
70	M92	Z	-2.108	-2.108	0	%100
71	M93	X	-14.607	-14.607	0	%100
72	M93	Z	-8.433	-8.433	0	%100
73	M94	X	-3.652	-3.652	0	%100
74	M94	Z	-2.108	-2.108	0	%100
75	M89A	X	-8.535	-8.535	0	%100
76	M89A	Z	-4.927	-4.927	0	%100
77	M91A	X	-11.023	-11.023	0	%100
78	M91A	Z	-6.364	-6.364	0	%100
79	M92A	X	0	0	0	%100
80	M92A	Z	0	0	0	%100
81	M94A	X	0	0	0	%100
82	M94A	Z	0	0	0	%100
83	M96	X	-15.89	-15.89	0	%100
84	M96	Z	-9.174	-9.174	0	%100
85	M98	X	-15.89	-15.89	0	%100
86	M98	Z	-9.174	-9.174	0	%100
87	M100	X	-3.805	-3.805	0	%100
88	M100	Z	-2.197	-2.197	0	%100
89	M103	X	-1.335	-1.335	0	%100
90	M103	Z	-.771	-.771	0	%100
91	M104	X	-1.335	-1.335	0	%100
92	M104	Z	-.771	-.771	0	%100
93	M109	X	-1.335	-1.335	0	%100
94	M109	Z	-.771	-.771	0	%100
95	M110	X	-1.335	-1.335	0	%100
96	M110	Z	-.771	-.771	0	%100
97	RUA	X	-8.622	-8.622	0	%100
98	RUA	Z	-4.978	-4.978	0	%100
99	M116	X	-1.335	-1.335	0	%100
100	M116	Z	-.771	-.771	0	%100
101	M117	X	-1.335	-1.335	0	%100
102	M117	Z	-.771	-.771	0	%100
103	M122	X	-1.335	-1.335	0	%100
104	M122	Z	-.771	-.771	0	%100
105	M123	X	-1.335	-1.335	0	%100
106	M123	Z	-.771	-.771	0	%100
107	RUC	X	-8.622	-8.622	0	%100
108	RUC	Z	-4.978	-4.978	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	0	0	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	0	0	0	%100
115	M136	X	0	0	0	%100
116	M136	Z	0	0	0	%100
117	RUB	X	-8.622	-8.622	0	%100
118	RUB	Z	-4.978	-4.978	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-8.625	-8.625	0	%100
2	M1	Z	-14.938	-14.938	0	%100
3	M3	X	-8.625	-8.625	0	%100
4	M3	Z	-14.938	-14.938	0	%100
5	M5	X	-1.642	-1.642	0	%100
6	M5	Z	-2.845	-2.845	0	%100
7	M8	X	-2.121	-2.121	0	%100
8	M8	Z	-3.674	-3.674	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-2.379	-2.379	0	%100
12	M10	Z	-4.121	-4.121	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M17	X	-8.625	-8.625	0	%100
16	M17	Z	-14.938	-14.938	0	%100
17	M19	X	-8.625	-8.625	0	%100
18	M19	Z	-14.938	-14.938	0	%100
19	M20	X	-2.379	-2.379	0	%100
20	M20	Z	-4.121	-4.121	0	%100
21	M23B	X	-9.518	-9.518	0	%100
22	M23B	Z	-16.485	-16.485	0	%100
23	M24A	X	-9.518	-9.518	0	%100
24	M24A	Z	-16.485	-16.485	0	%100
25	M26A	X	-2.379	-2.379	0	%100
26	M26A	Z	-4.121	-4.121	0	%100
27	M27	X	-2.379	-2.379	0	%100
28	M27	Z	-4.121	-4.121	0	%100
29	MP1A	X	-5.462	-5.462	0	%100
30	MP1A	Z	-9.461	-9.461	0	%100
31	MP2A	X	-5.462	-5.462	0	%100
32	MP2A	Z	-9.461	-9.461	0	%100
33	MP3A	X	-5.462	-5.462	0	%100
34	MP3A	Z	-9.461	-9.461	0	%100
35	MP4A	X	-5.462	-5.462	0	%100
36	MP4A	Z	-9.461	-9.461	0	%100
37	MP1C	X	-5.462	-5.462	0	%100
38	MP1C	Z	-9.461	-9.461	0	%100
39	MP2C	X	-5.462	-5.462	0	%100
40	MP2C	Z	-9.461	-9.461	0	%100
41	MP3C	X	-5.462	-5.462	0	%100
42	MP3C	Z	-9.461	-9.461	0	%100
43	MP4C	X	-5.462	-5.462	0	%100
44	MP4C	Z	-9.461	-9.461	0	%100
45	MP1B	X	-5.462	-5.462	0	%100
46	MP1B	Z	-9.461	-9.461	0	%100
47	MP2B	X	-5.462	-5.462	0	%100
48	MP2B	Z	-9.461	-9.461	0	%100
49	MP3B	X	-5.462	-5.462	0	%100
50	MP3B	Z	-9.461	-9.461	0	%100
51	MP4B	X	-5.462	-5.462	0	%100
52	MP4B	Z	-9.461	-9.461	0	%100
53	M62	X	-.218	-.218	0	%100
54	M62	Z	-.378	-.378	0	%100
55	M63	X	-.218	-.218	0	%100
56	M63	Z	-.378	-.378	0	%100
57	M64	X	-.218	-.218	0	%100
58	M64	Z	-.378	-.378	0	%100
59	M65	X	-.218	-.218	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	-.378	-.378	0	%100
61	GPS	X	-4.978	-4.978	0	%100
62	GPS	Z	-8.622	-8.622	0	%100
63	M71	X	-4.959	-4.959	0	%100
64	M71	Z	-8.59	-8.59	0	%100
65	M76	X	0	0	0	%100
66	M76	Z	0	0	0	%100
67	M81	X	-4.959	-4.959	0	%100
68	M81	Z	-8.59	-8.59	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100
71	M93	X	-6.325	-6.325	0	%100
72	M93	Z	-10.955	-10.955	0	%100
73	M94	X	-6.325	-6.325	0	%100
74	M94	Z	-10.955	-10.955	0	%100
75	M89A	X	-6.57	-6.57	0	%100
76	M89A	Z	-11.379	-11.379	0	%100
77	M91A	X	-8.486	-8.486	0	%100
78	M91A	Z	-14.698	-14.698	0	%100
79	M92A	X	-1.642	-1.642	0	%100
80	M92A	Z	-2.845	-2.845	0	%100
81	M94A	X	-2.121	-2.121	0	%100
82	M94A	Z	-3.674	-3.674	0	%100
83	M96	X	-4.522	-4.522	0	%100
84	M96	Z	-7.833	-7.833	0	%100
85	M98	X	-11.5	-11.5	0	%100
86	M98	Z	-19.918	-19.918	0	%100
87	M100	X	-4.522	-4.522	0	%100
88	M100	Z	-7.833	-7.833	0	%100
89	M103	X	-.257	-.257	0	%100
90	M103	Z	-.445	-.445	0	%100
91	M104	X	-.257	-.257	0	%100
92	M104	Z	-.445	-.445	0	%100
93	M109	X	-.257	-.257	0	%100
94	M109	Z	-.445	-.445	0	%100
95	M110	X	-.257	-.257	0	%100
96	M110	Z	-.445	-.445	0	%100
97	RUA	X	-4.978	-4.978	0	%100
98	RUA	Z	-8.622	-8.622	0	%100
99	M116	X	-1.028	-1.028	0	%100
100	M116	Z	-1.78	-1.78	0	%100
101	M117	X	-1.028	-1.028	0	%100
102	M117	Z	-1.78	-1.78	0	%100
103	M122	X	-1.028	-1.028	0	%100
104	M122	Z	-1.78	-1.78	0	%100
105	M123	X	-1.028	-1.028	0	%100
106	M123	Z	-1.78	-1.78	0	%100
107	RUC	X	-4.978	-4.978	0	%100
108	RUC	Z	-8.622	-8.622	0	%100
109	M129	X	-.257	-.257	0	%100
110	M129	Z	-.445	-.445	0	%100
111	M130	X	-.257	-.257	0	%100
112	M130	Z	-.445	-.445	0	%100
113	M135	X	-.257	-.257	0	%100
114	M135	Z	-.445	-.445	0	%100
115	M136	X	-.257	-.257	0	%100
116	M136	Z	-.445	-.445	0	%100
117	RUB	X	-4.978	-4.978	0	%100
118	RUB	Z	-8.622	-8.622	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-5.389	-5.389	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	-5.389	-5.389	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-1.347	-1.347	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-1.347	-1.347	0	%100
15	M17	X	0	0	0	%100
16	M17	Z	-1.347	-1.347	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-1.347	-1.347	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M23B	X	0	0	0	%100
22	M23B	Z	-3.422	-3.422	0	%100
23	M24A	X	0	0	0	%100
24	M24A	Z	-3.422	-3.422	0	%100
25	M26A	X	0	0	0	%100
26	M26A	Z	-3.422	-3.422	0	%100
27	M27	X	0	0	0	%100
28	M27	Z	-3.422	-3.422	0	%100
29	MP1A	X	0	0	0	%100
30	MP1A	Z	-3.457	-3.457	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	-3.457	-3.457	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	-3.457	-3.457	0	%100
35	MP4A	X	0	0	0	%100
36	MP4A	Z	-3.457	-3.457	0	%100
37	MP1C	X	0	0	0	%100
38	MP1C	Z	-3.457	-3.457	0	%100
39	MP2C	X	0	0	0	%100
40	MP2C	Z	-3.457	-3.457	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	-3.457	-3.457	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	-3.457	-3.457	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-3.457	-3.457	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	-3.457	-3.457	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	-3.457	-3.457	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	-3.457	-3.457	0	%100
53	M62	X	0	0	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M65	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	0	0	0	%100
61	GPS	X	0	0	0	%100
62	GPS	Z	-3.165	-3.165	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	-3.825	-3.825	0	%100
65	M76	X	0	0	0	%100
66	M76	Z	-.956	-.956	0	%100
67	M81	X	0	0	0	%100
68	M81	Z	-.956	-.956	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	-.996	-.996	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	-.996	-.996	0	%100
73	M94	X	0	0	0	%100
74	M94	Z	-3.985	-3.985	0	%100
75	M89A	X	0	0	0	%100
76	M89A	Z	-2.393	-2.393	0	%100
77	M91A	X	0	0	0	%100
78	M91A	Z	-2.95	-2.95	0	%100
79	M92A	X	0	0	0	%100
80	M92A	Z	-2.393	-2.393	0	%100
81	M94A	X	0	0	0	%100
82	M94A	Z	-2.95	-2.95	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	-.889	-.889	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	-4.264	-4.264	0	%100
87	M100	X	0	0	0	%100
88	M100	Z	-4.264	-4.264	0	%100
89	M103	X	0	0	0	%100
90	M103	Z	0	0	0	%100
91	M104	X	0	0	0	%100
92	M104	Z	0	0	0	%100
93	M109	X	0	0	0	%100
94	M109	Z	0	0	0	%100
95	M110	X	0	0	0	%100
96	M110	Z	0	0	0	%100
97	RUA	X	0	0	0	%100
98	RUA	Z	-3.165	-3.165	0	%100
99	M116	X	0	0	0	%100
100	M116	Z	-.996	-.996	0	%100
101	M117	X	0	0	0	%100
102	M117	Z	-.996	-.996	0	%100
103	M122	X	0	0	0	%100
104	M122	Z	-.996	-.996	0	%100
105	M123	X	0	0	0	%100
106	M123	Z	-.996	-.996	0	%100
107	RUC	X	0	0	0	%100
108	RUC	Z	-3.165	-3.165	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	-.996	-.996	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	-.996	-.996	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	-.996	-.996	0	%100
115	M136	X	0	0	0	%100
116	M136	Z	-.996	-.996	0	%100
117	RUB	X	0	0	0	%100
118	RUB	Z	-3.165	-3.165	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.021	2.021	0	%100
2	M1	Z	-3.5	-3.5	0	%100
3	M3	X	2.021	2.021	0	%100
4	M3	Z	-3.5	-3.5	0	%100
5	M5	X	.399	.399	0	%100
6	M5	Z	-.691	-.691	0	%100
7	M8	X	.492	.492	0	%100
8	M8	Z	-.852	-.852	0	%100
9	M9	X	2.021	2.021	0	%100
10	M9	Z	-3.5	-3.5	0	%100
11	M10	X	.57	.57	0	%100
12	M10	Z	-.988	-.988	0	%100
13	M11	X	2.021	2.021	0	%100
14	M11	Z	-3.5	-3.5	0	%100
15	M17	X	0	0	0	%100
16	M17	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.57	.57	0	%100
20	M20	Z	-.988	-.988	0	%100
21	M23B	X	.57	.57	0	%100
22	M23B	Z	-.988	-.988	0	%100
23	M24A	X	.57	.57	0	%100
24	M24A	Z	-.988	-.988	0	%100
25	M26A	X	2.281	2.281	0	%100
26	M26A	Z	-3.952	-3.952	0	%100
27	M27	X	2.281	2.281	0	%100
28	M27	Z	-3.952	-3.952	0	%100
29	MP1A	X	1.729	1.729	0	%100
30	MP1A	Z	-2.994	-2.994	0	%100
31	MP2A	X	1.729	1.729	0	%100
32	MP2A	Z	-2.994	-2.994	0	%100
33	MP3A	X	1.729	1.729	0	%100
34	MP3A	Z	-2.994	-2.994	0	%100
35	MP4A	X	1.729	1.729	0	%100
36	MP4A	Z	-2.994	-2.994	0	%100
37	MP1C	X	1.729	1.729	0	%100
38	MP1C	Z	-2.994	-2.994	0	%100
39	MP2C	X	1.729	1.729	0	%100
40	MP2C	Z	-2.994	-2.994	0	%100
41	MP3C	X	1.729	1.729	0	%100
42	MP3C	Z	-2.994	-2.994	0	%100
43	MP4C	X	1.729	1.729	0	%100
44	MP4C	Z	-2.994	-2.994	0	%100
45	MP1B	X	1.729	1.729	0	%100
46	MP1B	Z	-2.994	-2.994	0	%100
47	MP2B	X	1.729	1.729	0	%100
48	MP2B	Z	-2.994	-2.994	0	%100
49	MP3B	X	1.729	1.729	0	%100
50	MP3B	Z	-2.994	-2.994	0	%100
51	MP4B	X	1.729	1.729	0	%100
52	MP4B	Z	-2.994	-2.994	0	%100
53	M62	X	.16	.16	0	%100
54	M62	Z	-.277	-.277	0	%100
55	M63	X	.16	.16	0	%100
56	M63	Z	-.277	-.277	0	%100
57	M64	X	.16	.16	0	%100
58	M64	Z	-.277	-.277	0	%100
59	M65	X	.16	.16	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	-.277	-.277	0	%100
61	GPS	X	1.582	1.582	0	%100
62	GPS	Z	-2.741	-2.741	0	%100
63	M71	X	1.434	1.434	0	%100
64	M71	Z	-2.484	-2.484	0	%100
65	M76	X	1.434	1.434	0	%100
66	M76	Z	-2.484	-2.484	0	%100
67	M81	X	0	0	0	%100
68	M81	Z	0	0	0	%100
69	M92	X	1.494	1.494	0	%100
70	M92	Z	-2.588	-2.588	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M94	X	1.494	1.494	0	%100
74	M94	Z	-2.588	-2.588	0	%100
75	M89A	X	.399	.399	0	%100
76	M89A	Z	-.691	-.691	0	%100
77	M91A	X	.492	.492	0	%100
78	M91A	Z	-.852	-.852	0	%100
79	M92A	X	1.595	1.595	0	%100
80	M92A	Z	-2.763	-2.763	0	%100
81	M94A	X	1.966	1.966	0	%100
82	M94A	Z	-3.406	-3.406	0	%100
83	M96	X	1.007	1.007	0	%100
84	M96	Z	-1.744	-1.744	0	%100
85	M98	X	1.007	1.007	0	%100
86	M98	Z	-1.744	-1.744	0	%100
87	M100	X	2.694	2.694	0	%100
88	M100	Z	-4.667	-4.667	0	%100
89	M103	X	.166	.166	0	%100
90	M103	Z	-.288	-.288	0	%100
91	M104	X	.166	.166	0	%100
92	M104	Z	-.288	-.288	0	%100
93	M109	X	.166	.166	0	%100
94	M109	Z	-.288	-.288	0	%100
95	M110	X	.166	.166	0	%100
96	M110	Z	-.288	-.288	0	%100
97	RUA	X	1.582	1.582	0	%100
98	RUA	Z	-2.741	-2.741	0	%100
99	M116	X	.166	.166	0	%100
100	M116	Z	-.288	-.288	0	%100
101	M117	X	.166	.166	0	%100
102	M117	Z	-.288	-.288	0	%100
103	M122	X	.166	.166	0	%100
104	M122	Z	-.288	-.288	0	%100
105	M123	X	.166	.166	0	%100
106	M123	Z	-.288	-.288	0	%100
107	RUC	X	1.582	1.582	0	%100
108	RUC	Z	-2.741	-2.741	0	%100
109	M129	X	.664	.664	0	%100
110	M129	Z	-1.15	-1.15	0	%100
111	M130	X	.664	.664	0	%100
112	M130	Z	-1.15	-1.15	0	%100
113	M135	X	.664	.664	0	%100
114	M135	Z	-1.15	-1.15	0	%100
115	M136	X	.664	.664	0	%100
116	M136	Z	-1.15	-1.15	0	%100
117	RUB	X	1.582	1.582	0	%100
118	RUB	Z	-2.741	-2.741	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.167	1.167	0	%100
2	M1	Z	-.674	-.674	0	%100
3	M3	X	1.167	1.167	0	%100
4	M3	Z	-.674	-.674	0	%100
5	M5	X	2.072	2.072	0	%100
6	M5	Z	-1.197	-1.197	0	%100
7	M8	X	2.555	2.555	0	%100
8	M8	Z	-1.475	-1.475	0	%100
9	M9	X	4.667	4.667	0	%100
10	M9	Z	-2.694	-2.694	0	%100
11	M10	X	2.964	2.964	0	%100
12	M10	Z	-1.711	-1.711	0	%100
13	M11	X	4.667	4.667	0	%100
14	M11	Z	-2.694	-2.694	0	%100
15	M17	X	1.167	1.167	0	%100
16	M17	Z	-.674	-.674	0	%100
17	M19	X	1.167	1.167	0	%100
18	M19	Z	-.674	-.674	0	%100
19	M20	X	2.964	2.964	0	%100
20	M20	Z	-1.711	-1.711	0	%100
21	M23B	X	0	0	0	%100
22	M23B	Z	0	0	0	%100
23	M24A	X	0	0	0	%100
24	M24A	Z	0	0	0	%100
25	M26A	X	2.964	2.964	0	%100
26	M26A	Z	-1.711	-1.711	0	%100
27	M27	X	2.964	2.964	0	%100
28	M27	Z	-1.711	-1.711	0	%100
29	MP1A	X	2.994	2.994	0	%100
30	MP1A	Z	-1.729	-1.729	0	%100
31	MP2A	X	2.994	2.994	0	%100
32	MP2A	Z	-1.729	-1.729	0	%100
33	MP3A	X	2.994	2.994	0	%100
34	MP3A	Z	-1.729	-1.729	0	%100
35	MP4A	X	2.994	2.994	0	%100
36	MP4A	Z	-1.729	-1.729	0	%100
37	MP1C	X	2.994	2.994	0	%100
38	MP1C	Z	-1.729	-1.729	0	%100
39	MP2C	X	2.994	2.994	0	%100
40	MP2C	Z	-1.729	-1.729	0	%100
41	MP3C	X	2.994	2.994	0	%100
42	MP3C	Z	-1.729	-1.729	0	%100
43	MP4C	X	2.994	2.994	0	%100
44	MP4C	Z	-1.729	-1.729	0	%100
45	MP1B	X	2.994	2.994	0	%100
46	MP1B	Z	-1.729	-1.729	0	%100
47	MP2B	X	2.994	2.994	0	%100
48	MP2B	Z	-1.729	-1.729	0	%100
49	MP3B	X	2.994	2.994	0	%100
50	MP3B	Z	-1.729	-1.729	0	%100
51	MP4B	X	2.994	2.994	0	%100
52	MP4B	Z	-1.729	-1.729	0	%100
53	M62	X	.831	.831	0	%100
54	M62	Z	-.48	-.48	0	%100
55	M63	X	.831	.831	0	%100
56	M63	Z	-.48	-.48	0	%100
57	M64	X	.831	.831	0	%100
58	M64	Z	-.48	-.48	0	%100
59	M65	X	.831	.831	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	-.48	-.48	0	%100
61	GPS	X	2.741	2.741	0	%100
62	GPS	Z	-1.582	-1.582	0	%100
63	M71	X	.828	.828	0	%100
64	M71	Z	-.478	-.478	0	%100
65	M76	X	3.313	3.313	0	%100
66	M76	Z	-1.913	-1.913	0	%100
67	M81	X	.828	.828	0	%100
68	M81	Z	-.478	-.478	0	%100
69	M92	X	3.451	3.451	0	%100
70	M92	Z	-1.992	-1.992	0	%100
71	M93	X	.863	.863	0	%100
72	M93	Z	-.498	-.498	0	%100
73	M94	X	.863	.863	0	%100
74	M94	Z	-.498	-.498	0	%100
75	M89A	X	0	0	0	%100
76	M89A	Z	0	0	0	%100
77	M91A	X	0	0	0	%100
78	M91A	Z	0	0	0	%100
79	M92A	X	2.072	2.072	0	%100
80	M92A	Z	-1.197	-1.197	0	%100
81	M94A	X	2.555	2.555	0	%100
82	M94A	Z	-1.475	-1.475	0	%100
83	M96	X	3.693	3.693	0	%100
84	M96	Z	-2.132	-2.132	0	%100
85	M98	X	.77	.77	0	%100
86	M98	Z	-.445	-.445	0	%100
87	M100	X	3.693	3.693	0	%100
88	M100	Z	-2.132	-2.132	0	%100
89	M103	X	.863	.863	0	%100
90	M103	Z	-.498	-.498	0	%100
91	M104	X	.863	.863	0	%100
92	M104	Z	-.498	-.498	0	%100
93	M109	X	.863	.863	0	%100
94	M109	Z	-.498	-.498	0	%100
95	M110	X	.863	.863	0	%100
96	M110	Z	-.498	-.498	0	%100
97	RUA	X	2.741	2.741	0	%100
98	RUA	Z	-1.582	-1.582	0	%100
99	M116	X	0	0	0	%100
100	M116	Z	0	0	0	%100
101	M117	X	0	0	0	%100
102	M117	Z	0	0	0	%100
103	M122	X	0	0	0	%100
104	M122	Z	0	0	0	%100
105	M123	X	0	0	0	%100
106	M123	Z	0	0	0	%100
107	RUC	X	2.741	2.741	0	%100
108	RUC	Z	-1.582	-1.582	0	%100
109	M129	X	.863	.863	0	%100
110	M129	Z	-.498	-.498	0	%100
111	M130	X	.863	.863	0	%100
112	M130	Z	-.498	-.498	0	%100
113	M135	X	.863	.863	0	%100
114	M135	Z	-.498	-.498	0	%100
115	M136	X	.863	.863	0	%100
116	M136	Z	-.498	-.498	0	%100
117	RUB	X	2.741	2.741	0	%100
118	RUB	Z	-1.582	-1.582	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	3.191	3.191	0	%100
6	M5	Z	0	0	0	%100
7	M8	X	3.933	3.933	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	4.042	4.042	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	4.563	4.563	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	4.042	4.042	0	%100
14	M11	Z	0	0	0	%100
15	M17	X	4.042	4.042	0	%100
16	M17	Z	0	0	0	%100
17	M19	X	4.042	4.042	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	4.563	4.563	0	%100
20	M20	Z	0	0	0	%100
21	M23B	X	1.141	1.141	0	%100
22	M23B	Z	0	0	0	%100
23	M24A	X	1.141	1.141	0	%100
24	M24A	Z	0	0	0	%100
25	M26A	X	1.141	1.141	0	%100
26	M26A	Z	0	0	0	%100
27	M27	X	1.141	1.141	0	%100
28	M27	Z	0	0	0	%100
29	MP1A	X	3.457	3.457	0	%100
30	MP1A	Z	0	0	0	%100
31	MP2A	X	3.457	3.457	0	%100
32	MP2A	Z	0	0	0	%100
33	MP3A	X	3.457	3.457	0	%100
34	MP3A	Z	0	0	0	%100
35	MP4A	X	3.457	3.457	0	%100
36	MP4A	Z	0	0	0	%100
37	MP1C	X	3.457	3.457	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	3.457	3.457	0	%100
40	MP2C	Z	0	0	0	%100
41	MP3C	X	3.457	3.457	0	%100
42	MP3C	Z	0	0	0	%100
43	MP4C	X	3.457	3.457	0	%100
44	MP4C	Z	0	0	0	%100
45	MP1B	X	3.457	3.457	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	3.457	3.457	0	%100
48	MP2B	Z	0	0	0	%100
49	MP3B	X	3.457	3.457	0	%100
50	MP3B	Z	0	0	0	%100
51	MP4B	X	3.457	3.457	0	%100
52	MP4B	Z	0	0	0	%100
53	M62	X	1.279	1.279	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	1.279	1.279	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	1.279	1.279	0	%100
58	M64	Z	0	0	0	%100
59	M65	X	1.279	1.279	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	0	0	0	%100
61	GPS	X	3.165	3.165	0	%100
62	GPS	Z	0	0	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100
65	M76	X	2.869	2.869	0	%100
66	M76	Z	0	0	0	%100
67	M81	X	2.869	2.869	0	%100
68	M81	Z	0	0	0	%100
69	M92	X	2.988	2.988	0	%100
70	M92	Z	0	0	0	%100
71	M93	X	2.988	2.988	0	%100
72	M93	Z	0	0	0	%100
73	M94	X	0	0	0	%100
74	M94	Z	0	0	0	%100
75	M89A	X	.798	.798	0	%100
76	M89A	Z	0	0	0	%100
77	M91A	X	.983	.983	0	%100
78	M91A	Z	0	0	0	%100
79	M92A	X	.798	.798	0	%100
80	M92A	Z	0	0	0	%100
81	M94A	X	.983	.983	0	%100
82	M94A	Z	0	0	0	%100
83	M96	X	5.389	5.389	0	%100
84	M96	Z	0	0	0	%100
85	M98	X	2.014	2.014	0	%100
86	M98	Z	0	0	0	%100
87	M100	X	2.014	2.014	0	%100
88	M100	Z	0	0	0	%100
89	M103	X	1.328	1.328	0	%100
90	M103	Z	0	0	0	%100
91	M104	X	1.328	1.328	0	%100
92	M104	Z	0	0	0	%100
93	M109	X	1.328	1.328	0	%100
94	M109	Z	0	0	0	%100
95	M110	X	1.328	1.328	0	%100
96	M110	Z	0	0	0	%100
97	RUA	X	3.165	3.165	0	%100
98	RUA	Z	0	0	0	%100
99	M116	X	.332	.332	0	%100
100	M116	Z	0	0	0	%100
101	M117	X	.332	.332	0	%100
102	M117	Z	0	0	0	%100
103	M122	X	.332	.332	0	%100
104	M122	Z	0	0	0	%100
105	M123	X	.332	.332	0	%100
106	M123	Z	0	0	0	%100
107	RUC	X	3.165	3.165	0	%100
108	RUC	Z	0	0	0	%100
109	M129	X	.332	.332	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	.332	.332	0	%100
112	M130	Z	0	0	0	%100
113	M135	X	.332	.332	0	%100
114	M135	Z	0	0	0	%100
115	M136	X	.332	.332	0	%100
116	M136	Z	0	0	0	%100
117	RUB	X	3.165	3.165	0	%100
118	RUB	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.167	1.167	0	%100
2	M1	Z	.674	.674	0	%100
3	M3	X	1.167	1.167	0	%100
4	M3	Z	.674	.674	0	%100
5	M5	X	2.072	2.072	0	%100
6	M5	Z	1.197	1.197	0	%100
7	M8	X	2.555	2.555	0	%100
8	M8	Z	1.475	1.475	0	%100
9	M9	X	1.167	1.167	0	%100
10	M9	Z	.674	.674	0	%100
11	M10	X	2.964	2.964	0	%100
12	M10	Z	1.711	1.711	0	%100
13	M11	X	1.167	1.167	0	%100
14	M11	Z	.674	.674	0	%100
15	M17	X	4.667	4.667	0	%100
16	M17	Z	2.694	2.694	0	%100
17	M19	X	4.667	4.667	0	%100
18	M19	Z	2.694	2.694	0	%100
19	M20	X	2.964	2.964	0	%100
20	M20	Z	1.711	1.711	0	%100
21	M23B	X	2.964	2.964	0	%100
22	M23B	Z	1.711	1.711	0	%100
23	M24A	X	2.964	2.964	0	%100
24	M24A	Z	1.711	1.711	0	%100
25	M26A	X	0	0	0	%100
26	M26A	Z	0	0	0	%100
27	M27	X	0	0	0	%100
28	M27	Z	0	0	0	%100
29	MP1A	X	2.994	2.994	0	%100
30	MP1A	Z	1.729	1.729	0	%100
31	MP2A	X	2.994	2.994	0	%100
32	MP2A	Z	1.729	1.729	0	%100
33	MP3A	X	2.994	2.994	0	%100
34	MP3A	Z	1.729	1.729	0	%100
35	MP4A	X	2.994	2.994	0	%100
36	MP4A	Z	1.729	1.729	0	%100
37	MP1C	X	2.994	2.994	0	%100
38	MP1C	Z	1.729	1.729	0	%100
39	MP2C	X	2.994	2.994	0	%100
40	MP2C	Z	1.729	1.729	0	%100
41	MP3C	X	2.994	2.994	0	%100
42	MP3C	Z	1.729	1.729	0	%100
43	MP4C	X	2.994	2.994	0	%100
44	MP4C	Z	1.729	1.729	0	%100
45	MP1B	X	2.994	2.994	0	%100
46	MP1B	Z	1.729	1.729	0	%100
47	MP2B	X	2.994	2.994	0	%100
48	MP2B	Z	1.729	1.729	0	%100
49	MP3B	X	2.994	2.994	0	%100
50	MP3B	Z	1.729	1.729	0	%100
51	MP4B	X	2.994	2.994	0	%100
52	MP4B	Z	1.729	1.729	0	%100
53	M62	X	.831	.831	0	%100
54	M62	Z	.48	.48	0	%100
55	M63	X	.831	.831	0	%100
56	M63	Z	.48	.48	0	%100
57	M64	X	.831	.831	0	%100
58	M64	Z	.48	.48	0	%100
59	M65	X	.831	.831	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	.48	.48	0	%100
61	GPS	X	2.741	2.741	0	%100
62	GPS	Z	1.582	1.582	0	%100
63	M71	X	.828	.828	0	%100
64	M71	Z	.478	.478	0	%100
65	M76	X	.828	.828	0	%100
66	M76	Z	.478	.478	0	%100
67	M81	X	3.313	3.313	0	%100
68	M81	Z	1.913	1.913	0	%100
69	M92	X	.863	.863	0	%100
70	M92	Z	.498	.498	0	%100
71	M93	X	3.451	3.451	0	%100
72	M93	Z	1.992	1.992	0	%100
73	M94	X	.863	.863	0	%100
74	M94	Z	.498	.498	0	%100
75	M89A	X	2.072	2.072	0	%100
76	M89A	Z	1.197	1.197	0	%100
77	M91A	X	2.555	2.555	0	%100
78	M91A	Z	1.475	1.475	0	%100
79	M92A	X	0	0	0	%100
80	M92A	Z	0	0	0	%100
81	M94A	X	0	0	0	%100
82	M94A	Z	0	0	0	%100
83	M96	X	3.693	3.693	0	%100
84	M96	Z	2.132	2.132	0	%100
85	M98	X	3.693	3.693	0	%100
86	M98	Z	2.132	2.132	0	%100
87	M100	X	.77	.77	0	%100
88	M100	Z	.445	.445	0	%100
89	M103	X	.863	.863	0	%100
90	M103	Z	.498	.498	0	%100
91	M104	X	.863	.863	0	%100
92	M104	Z	.498	.498	0	%100
93	M109	X	.863	.863	0	%100
94	M109	Z	.498	.498	0	%100
95	M110	X	.863	.863	0	%100
96	M110	Z	.498	.498	0	%100
97	RUA	X	2.741	2.741	0	%100
98	RUA	Z	1.582	1.582	0	%100
99	M116	X	.863	.863	0	%100
100	M116	Z	.498	.498	0	%100
101	M117	X	.863	.863	0	%100
102	M117	Z	.498	.498	0	%100
103	M122	X	.863	.863	0	%100
104	M122	Z	.498	.498	0	%100
105	M123	X	.863	.863	0	%100
106	M123	Z	.498	.498	0	%100
107	RUC	X	2.741	2.741	0	%100
108	RUC	Z	1.582	1.582	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	0	0	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	0	0	0	%100
115	M136	X	0	0	0	%100
116	M136	Z	0	0	0	%100
117	RUB	X	2.741	2.741	0	%100
118	RUB	Z	1.582	1.582	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.021	2.021	0	%100
2	M1	Z	3.5	3.5	0	%100
3	M3	X	2.021	2.021	0	%100
4	M3	Z	3.5	3.5	0	%100
5	M5	X	.399	.399	0	%100
6	M5	Z	.691	.691	0	%100
7	M8	X	.492	.492	0	%100
8	M8	Z	.852	.852	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	.57	.57	0	%100
12	M10	Z	.988	.988	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M17	X	2.021	2.021	0	%100
16	M17	Z	3.5	3.5	0	%100
17	M19	X	2.021	2.021	0	%100
18	M19	Z	3.5	3.5	0	%100
19	M20	X	.57	.57	0	%100
20	M20	Z	.988	.988	0	%100
21	M23B	X	2.281	2.281	0	%100
22	M23B	Z	3.952	3.952	0	%100
23	M24A	X	2.281	2.281	0	%100
24	M24A	Z	3.952	3.952	0	%100
25	M26A	X	.57	.57	0	%100
26	M26A	Z	.988	.988	0	%100
27	M27	X	.57	.57	0	%100
28	M27	Z	.988	.988	0	%100
29	MP1A	X	1.729	1.729	0	%100
30	MP1A	Z	2.994	2.994	0	%100
31	MP2A	X	1.729	1.729	0	%100
32	MP2A	Z	2.994	2.994	0	%100
33	MP3A	X	1.729	1.729	0	%100
34	MP3A	Z	2.994	2.994	0	%100
35	MP4A	X	1.729	1.729	0	%100
36	MP4A	Z	2.994	2.994	0	%100
37	MP1C	X	1.729	1.729	0	%100
38	MP1C	Z	2.994	2.994	0	%100
39	MP2C	X	1.729	1.729	0	%100
40	MP2C	Z	2.994	2.994	0	%100
41	MP3C	X	1.729	1.729	0	%100
42	MP3C	Z	2.994	2.994	0	%100
43	MP4C	X	1.729	1.729	0	%100
44	MP4C	Z	2.994	2.994	0	%100
45	MP1B	X	1.729	1.729	0	%100
46	MP1B	Z	2.994	2.994	0	%100
47	MP2B	X	1.729	1.729	0	%100
48	MP2B	Z	2.994	2.994	0	%100
49	MP3B	X	1.729	1.729	0	%100
50	MP3B	Z	2.994	2.994	0	%100
51	MP4B	X	1.729	1.729	0	%100
52	MP4B	Z	2.994	2.994	0	%100
53	M62	X	.16	.16	0	%100
54	M62	Z	.277	.277	0	%100
55	M63	X	.16	.16	0	%100
56	M63	Z	.277	.277	0	%100
57	M64	X	.16	.16	0	%100
58	M64	Z	.277	.277	0	%100
59	M65	X	.16	.16	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	.277	.277	0	%100
61	GPS	X	1.582	1.582	0	%100
62	GPS	Z	2.741	2.741	0	%100
63	M71	X	1.434	1.434	0	%100
64	M71	Z	2.484	2.484	0	%100
65	M76	X	0	0	0	%100
66	M76	Z	0	0	0	%100
67	M81	X	1.434	1.434	0	%100
68	M81	Z	2.484	2.484	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100
71	M93	X	1.494	1.494	0	%100
72	M93	Z	2.588	2.588	0	%100
73	M94	X	1.494	1.494	0	%100
74	M94	Z	2.588	2.588	0	%100
75	M89A	X	1.595	1.595	0	%100
76	M89A	Z	2.763	2.763	0	%100
77	M91A	X	1.966	1.966	0	%100
78	M91A	Z	3.406	3.406	0	%100
79	M92A	X	.399	.399	0	%100
80	M92A	Z	.691	.691	0	%100
81	M94A	X	.492	.492	0	%100
82	M94A	Z	.852	.852	0	%100
83	M96	X	1.007	1.007	0	%100
84	M96	Z	1.744	1.744	0	%100
85	M98	X	2.694	2.694	0	%100
86	M98	Z	4.667	4.667	0	%100
87	M100	X	1.007	1.007	0	%100
88	M100	Z	1.744	1.744	0	%100
89	M103	X	.166	.166	0	%100
90	M103	Z	.288	.288	0	%100
91	M104	X	.166	.166	0	%100
92	M104	Z	.288	.288	0	%100
93	M109	X	.166	.166	0	%100
94	M109	Z	.288	.288	0	%100
95	M110	X	.166	.166	0	%100
96	M110	Z	.288	.288	0	%100
97	RUA	X	1.582	1.582	0	%100
98	RUA	Z	2.741	2.741	0	%100
99	M116	X	.664	.664	0	%100
100	M116	Z	1.15	1.15	0	%100
101	M117	X	.664	.664	0	%100
102	M117	Z	1.15	1.15	0	%100
103	M122	X	.664	.664	0	%100
104	M122	Z	1.15	1.15	0	%100
105	M123	X	.664	.664	0	%100
106	M123	Z	1.15	1.15	0	%100
107	RUC	X	1.582	1.582	0	%100
108	RUC	Z	2.741	2.741	0	%100
109	M129	X	.166	.166	0	%100
110	M129	Z	.288	.288	0	%100
111	M130	X	.166	.166	0	%100
112	M130	Z	.288	.288	0	%100
113	M135	X	.166	.166	0	%100
114	M135	Z	.288	.288	0	%100
115	M136	X	.166	.166	0	%100
116	M136	Z	.288	.288	0	%100
117	RUB	X	1.582	1.582	0	%100
118	RUB	Z	2.741	2.741	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	5.389	5.389	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	5.389	5.389	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	1.347	1.347	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	1.347	1.347	0	%100
15	M17	X	0	0	0	%100
16	M17	Z	1.347	1.347	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	1.347	1.347	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M23B	X	0	0	0	%100
22	M23B	Z	3.422	3.422	0	%100
23	M24A	X	0	0	0	%100
24	M24A	Z	3.422	3.422	0	%100
25	M26A	X	0	0	0	%100
26	M26A	Z	3.422	3.422	0	%100
27	M27	X	0	0	0	%100
28	M27	Z	3.422	3.422	0	%100
29	MP1A	X	0	0	0	%100
30	MP1A	Z	3.457	3.457	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	3.457	3.457	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	3.457	3.457	0	%100
35	MP4A	X	0	0	0	%100
36	MP4A	Z	3.457	3.457	0	%100
37	MP1C	X	0	0	0	%100
38	MP1C	Z	3.457	3.457	0	%100
39	MP2C	X	0	0	0	%100
40	MP2C	Z	3.457	3.457	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	3.457	3.457	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	3.457	3.457	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	3.457	3.457	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	3.457	3.457	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	3.457	3.457	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	3.457	3.457	0	%100
53	M62	X	0	0	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M65	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	0	0	0	%100
61	GPS	X	0	0	0	%100
62	GPS	Z	3.165	3.165	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	3.825	3.825	0	%100
65	M76	X	0	0	0	%100
66	M76	Z	.956	.956	0	%100
67	M81	X	0	0	0	%100
68	M81	Z	.956	.956	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	.996	.996	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	.996	.996	0	%100
73	M94	X	0	0	0	%100
74	M94	Z	3.985	3.985	0	%100
75	M89A	X	0	0	0	%100
76	M89A	Z	2.393	2.393	0	%100
77	M91A	X	0	0	0	%100
78	M91A	Z	2.95	2.95	0	%100
79	M92A	X	0	0	0	%100
80	M92A	Z	2.393	2.393	0	%100
81	M94A	X	0	0	0	%100
82	M94A	Z	2.95	2.95	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	.889	.889	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	4.264	4.264	0	%100
87	M100	X	0	0	0	%100
88	M100	Z	4.264	4.264	0	%100
89	M103	X	0	0	0	%100
90	M103	Z	0	0	0	%100
91	M104	X	0	0	0	%100
92	M104	Z	0	0	0	%100
93	M109	X	0	0	0	%100
94	M109	Z	0	0	0	%100
95	M110	X	0	0	0	%100
96	M110	Z	0	0	0	%100
97	RUA	X	0	0	0	%100
98	RUA	Z	3.165	3.165	0	%100
99	M116	X	0	0	0	%100
100	M116	Z	.996	.996	0	%100
101	M117	X	0	0	0	%100
102	M117	Z	.996	.996	0	%100
103	M122	X	0	0	0	%100
104	M122	Z	.996	.996	0	%100
105	M123	X	0	0	0	%100
106	M123	Z	.996	.996	0	%100
107	RUC	X	0	0	0	%100
108	RUC	Z	3.165	3.165	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	.996	.996	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	.996	.996	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	.996	.996	0	%100
115	M136	X	0	0	0	%100
116	M136	Z	.996	.996	0	%100
117	RUB	X	0	0	0	%100
118	RUB	Z	3.165	3.165	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.021	-2.021	0	%100
2	M1	Z	3.5	3.5	0	%100
3	M3	X	-2.021	-2.021	0	%100
4	M3	Z	3.5	3.5	0	%100
5	M5	X	-.399	-.399	0	%100
6	M5	Z	.691	.691	0	%100
7	M8	X	-.492	-.492	0	%100
8	M8	Z	.852	.852	0	%100
9	M9	X	-2.021	-2.021	0	%100
10	M9	Z	3.5	3.5	0	%100
11	M10	X	-.57	-.57	0	%100
12	M10	Z	.988	.988	0	%100
13	M11	X	-2.021	-2.021	0	%100
14	M11	Z	3.5	3.5	0	%100
15	M17	X	0	0	0	%100
16	M17	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-.57	-.57	0	%100
20	M20	Z	.988	.988	0	%100
21	M23B	X	-.57	-.57	0	%100
22	M23B	Z	.988	.988	0	%100
23	M24A	X	-.57	-.57	0	%100
24	M24A	Z	.988	.988	0	%100
25	M26A	X	-2.281	-2.281	0	%100
26	M26A	Z	3.952	3.952	0	%100
27	M27	X	-2.281	-2.281	0	%100
28	M27	Z	3.952	3.952	0	%100
29	MP1A	X	-1.729	-1.729	0	%100
30	MP1A	Z	2.994	2.994	0	%100
31	MP2A	X	-1.729	-1.729	0	%100
32	MP2A	Z	2.994	2.994	0	%100
33	MP3A	X	-1.729	-1.729	0	%100
34	MP3A	Z	2.994	2.994	0	%100
35	MP4A	X	-1.729	-1.729	0	%100
36	MP4A	Z	2.994	2.994	0	%100
37	MP1C	X	-1.729	-1.729	0	%100
38	MP1C	Z	2.994	2.994	0	%100
39	MP2C	X	-1.729	-1.729	0	%100
40	MP2C	Z	2.994	2.994	0	%100
41	MP3C	X	-1.729	-1.729	0	%100
42	MP3C	Z	2.994	2.994	0	%100
43	MP4C	X	-1.729	-1.729	0	%100
44	MP4C	Z	2.994	2.994	0	%100
45	MP1B	X	-1.729	-1.729	0	%100
46	MP1B	Z	2.994	2.994	0	%100
47	MP2B	X	-1.729	-1.729	0	%100
48	MP2B	Z	2.994	2.994	0	%100
49	MP3B	X	-1.729	-1.729	0	%100
50	MP3B	Z	2.994	2.994	0	%100
51	MP4B	X	-1.729	-1.729	0	%100
52	MP4B	Z	2.994	2.994	0	%100
53	M62	X	-.16	-.16	0	%100
54	M62	Z	.277	.277	0	%100
55	M63	X	-.16	-.16	0	%100
56	M63	Z	.277	.277	0	%100
57	M64	X	-.16	-.16	0	%100
58	M64	Z	.277	.277	0	%100
59	M65	X	-.16	-.16	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	.277	.277	0	%100
61	GPS	X	-1.582	-1.582	0	%100
62	GPS	Z	2.741	2.741	0	%100
63	M71	X	-1.434	-1.434	0	%100
64	M71	Z	2.484	2.484	0	%100
65	M76	X	-1.434	-1.434	0	%100
66	M76	Z	2.484	2.484	0	%100
67	M81	X	0	0	0	%100
68	M81	Z	0	0	0	%100
69	M92	X	-1.494	-1.494	0	%100
70	M92	Z	2.588	2.588	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M94	X	-1.494	-1.494	0	%100
74	M94	Z	2.588	2.588	0	%100
75	M89A	X	-.399	-.399	0	%100
76	M89A	Z	.691	.691	0	%100
77	M91A	X	-.492	-.492	0	%100
78	M91A	Z	.852	.852	0	%100
79	M92A	X	-1.595	-1.595	0	%100
80	M92A	Z	2.763	2.763	0	%100
81	M94A	X	-1.966	-1.966	0	%100
82	M94A	Z	3.406	3.406	0	%100
83	M96	X	-1.007	-1.007	0	%100
84	M96	Z	1.744	1.744	0	%100
85	M98	X	-1.007	-1.007	0	%100
86	M98	Z	1.744	1.744	0	%100
87	M100	X	-2.694	-2.694	0	%100
88	M100	Z	4.667	4.667	0	%100
89	M103	X	-.166	-.166	0	%100
90	M103	Z	.288	.288	0	%100
91	M104	X	-.166	-.166	0	%100
92	M104	Z	.288	.288	0	%100
93	M109	X	-.166	-.166	0	%100
94	M109	Z	.288	.288	0	%100
95	M110	X	-.166	-.166	0	%100
96	M110	Z	.288	.288	0	%100
97	RUA	X	-1.582	-1.582	0	%100
98	RUA	Z	2.741	2.741	0	%100
99	M116	X	-.166	-.166	0	%100
100	M116	Z	.288	.288	0	%100
101	M117	X	-.166	-.166	0	%100
102	M117	Z	.288	.288	0	%100
103	M122	X	-.166	-.166	0	%100
104	M122	Z	.288	.288	0	%100
105	M123	X	-.166	-.166	0	%100
106	M123	Z	.288	.288	0	%100
107	RUC	X	-1.582	-1.582	0	%100
108	RUC	Z	2.741	2.741	0	%100
109	M129	X	-.664	-.664	0	%100
110	M129	Z	1.15	1.15	0	%100
111	M130	X	-.664	-.664	0	%100
112	M130	Z	1.15	1.15	0	%100
113	M135	X	-.664	-.664	0	%100
114	M135	Z	1.15	1.15	0	%100
115	M136	X	-.664	-.664	0	%100
116	M136	Z	1.15	1.15	0	%100
117	RUB	X	-1.582	-1.582	0	%100
118	RUB	Z	2.741	2.741	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.167	-1.167	0	%100
2	M1	Z	.674	.674	0	%100
3	M3	X	-1.167	-1.167	0	%100
4	M3	Z	.674	.674	0	%100
5	M5	X	-2.072	-2.072	0	%100
6	M5	Z	1.197	1.197	0	%100
7	M8	X	-2.555	-2.555	0	%100
8	M8	Z	1.475	1.475	0	%100
9	M9	X	-4.667	-4.667	0	%100
10	M9	Z	2.694	2.694	0	%100
11	M10	X	-2.964	-2.964	0	%100
12	M10	Z	1.711	1.711	0	%100
13	M11	X	-4.667	-4.667	0	%100
14	M11	Z	2.694	2.694	0	%100
15	M17	X	-1.167	-1.167	0	%100
16	M17	Z	.674	.674	0	%100
17	M19	X	-1.167	-1.167	0	%100
18	M19	Z	.674	.674	0	%100
19	M20	X	-2.964	-2.964	0	%100
20	M20	Z	1.711	1.711	0	%100
21	M23B	X	0	0	0	%100
22	M23B	Z	0	0	0	%100
23	M24A	X	0	0	0	%100
24	M24A	Z	0	0	0	%100
25	M26A	X	-2.964	-2.964	0	%100
26	M26A	Z	1.711	1.711	0	%100
27	M27	X	-2.964	-2.964	0	%100
28	M27	Z	1.711	1.711	0	%100
29	MP1A	X	-2.994	-2.994	0	%100
30	MP1A	Z	1.729	1.729	0	%100
31	MP2A	X	-2.994	-2.994	0	%100
32	MP2A	Z	1.729	1.729	0	%100
33	MP3A	X	-2.994	-2.994	0	%100
34	MP3A	Z	1.729	1.729	0	%100
35	MP4A	X	-2.994	-2.994	0	%100
36	MP4A	Z	1.729	1.729	0	%100
37	MP1C	X	-2.994	-2.994	0	%100
38	MP1C	Z	1.729	1.729	0	%100
39	MP2C	X	-2.994	-2.994	0	%100
40	MP2C	Z	1.729	1.729	0	%100
41	MP3C	X	-2.994	-2.994	0	%100
42	MP3C	Z	1.729	1.729	0	%100
43	MP4C	X	-2.994	-2.994	0	%100
44	MP4C	Z	1.729	1.729	0	%100
45	MP1B	X	-2.994	-2.994	0	%100
46	MP1B	Z	1.729	1.729	0	%100
47	MP2B	X	-2.994	-2.994	0	%100
48	MP2B	Z	1.729	1.729	0	%100
49	MP3B	X	-2.994	-2.994	0	%100
50	MP3B	Z	1.729	1.729	0	%100
51	MP4B	X	-2.994	-2.994	0	%100
52	MP4B	Z	1.729	1.729	0	%100
53	M62	X	-.831	-.831	0	%100
54	M62	Z	.48	.48	0	%100
55	M63	X	-.831	-.831	0	%100
56	M63	Z	.48	.48	0	%100
57	M64	X	-.831	-.831	0	%100
58	M64	Z	.48	.48	0	%100
59	M65	X	-.831	-.831	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	.48	.48	0	%100
61	GPS	X	-2.741	-2.741	0	%100
62	GPS	Z	1.582	1.582	0	%100
63	M71	X	-.828	-.828	0	%100
64	M71	Z	.478	.478	0	%100
65	M76	X	-3.313	-3.313	0	%100
66	M76	Z	1.913	1.913	0	%100
67	M81	X	-.828	-.828	0	%100
68	M81	Z	.478	.478	0	%100
69	M92	X	-3.451	-3.451	0	%100
70	M92	Z	1.992	1.992	0	%100
71	M93	X	-.863	-.863	0	%100
72	M93	Z	.498	.498	0	%100
73	M94	X	-.863	-.863	0	%100
74	M94	Z	.498	.498	0	%100
75	M89A	X	0	0	0	%100
76	M89A	Z	0	0	0	%100
77	M91A	X	0	0	0	%100
78	M91A	Z	0	0	0	%100
79	M92A	X	-2.072	-2.072	0	%100
80	M92A	Z	1.197	1.197	0	%100
81	M94A	X	-2.555	-2.555	0	%100
82	M94A	Z	1.475	1.475	0	%100
83	M96	X	-3.693	-3.693	0	%100
84	M96	Z	2.132	2.132	0	%100
85	M98	X	-.77	-.77	0	%100
86	M98	Z	.445	.445	0	%100
87	M100	X	-3.693	-3.693	0	%100
88	M100	Z	2.132	2.132	0	%100
89	M103	X	-.863	-.863	0	%100
90	M103	Z	.498	.498	0	%100
91	M104	X	-.863	-.863	0	%100
92	M104	Z	.498	.498	0	%100
93	M109	X	-.863	-.863	0	%100
94	M109	Z	.498	.498	0	%100
95	M110	X	-.863	-.863	0	%100
96	M110	Z	.498	.498	0	%100
97	RUA	X	-2.741	-2.741	0	%100
98	RUA	Z	1.582	1.582	0	%100
99	M116	X	0	0	0	%100
100	M116	Z	0	0	0	%100
101	M117	X	0	0	0	%100
102	M117	Z	0	0	0	%100
103	M122	X	0	0	0	%100
104	M122	Z	0	0	0	%100
105	M123	X	0	0	0	%100
106	M123	Z	0	0	0	%100
107	RUC	X	-2.741	-2.741	0	%100
108	RUC	Z	1.582	1.582	0	%100
109	M129	X	-.863	-.863	0	%100
110	M129	Z	.498	.498	0	%100
111	M130	X	-.863	-.863	0	%100
112	M130	Z	.498	.498	0	%100
113	M135	X	-.863	-.863	0	%100
114	M135	Z	.498	.498	0	%100
115	M136	X	-.863	-.863	0	%100
116	M136	Z	.498	.498	0	%100
117	RUB	X	-2.741	-2.741	0	%100
118	RUB	Z	1.582	1.582	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	-3.191	-3.191	0	%100
6	M5	Z	0	0	0	%100
7	M8	X	-3.933	-3.933	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-4.042	-4.042	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-4.563	-4.563	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-4.042	-4.042	0	%100
14	M11	Z	0	0	0	%100
15	M17	X	-4.042	-4.042	0	%100
16	M17	Z	0	0	0	%100
17	M19	X	-4.042	-4.042	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-4.563	-4.563	0	%100
20	M20	Z	0	0	0	%100
21	M23B	X	-1.141	-1.141	0	%100
22	M23B	Z	0	0	0	%100
23	M24A	X	-1.141	-1.141	0	%100
24	M24A	Z	0	0	0	%100
25	M26A	X	-1.141	-1.141	0	%100
26	M26A	Z	0	0	0	%100
27	M27	X	-1.141	-1.141	0	%100
28	M27	Z	0	0	0	%100
29	MP1A	X	-3.457	-3.457	0	%100
30	MP1A	Z	0	0	0	%100
31	MP2A	X	-3.457	-3.457	0	%100
32	MP2A	Z	0	0	0	%100
33	MP3A	X	-3.457	-3.457	0	%100
34	MP3A	Z	0	0	0	%100
35	MP4A	X	-3.457	-3.457	0	%100
36	MP4A	Z	0	0	0	%100
37	MP1C	X	-3.457	-3.457	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	-3.457	-3.457	0	%100
40	MP2C	Z	0	0	0	%100
41	MP3C	X	-3.457	-3.457	0	%100
42	MP3C	Z	0	0	0	%100
43	MP4C	X	-3.457	-3.457	0	%100
44	MP4C	Z	0	0	0	%100
45	MP1B	X	-3.457	-3.457	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	-3.457	-3.457	0	%100
48	MP2B	Z	0	0	0	%100
49	MP3B	X	-3.457	-3.457	0	%100
50	MP3B	Z	0	0	0	%100
51	MP4B	X	-3.457	-3.457	0	%100
52	MP4B	Z	0	0	0	%100
53	M62	X	-1.279	-1.279	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	-1.279	-1.279	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	-1.279	-1.279	0	%100
58	M64	Z	0	0	0	%100
59	M65	X	-1.279	-1.279	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	0	0	0	%100
61	GPS	X	-3.165	-3.165	0	%100
62	GPS	Z	0	0	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100
65	M76	X	-2.869	-2.869	0	%100
66	M76	Z	0	0	0	%100
67	M81	X	-2.869	-2.869	0	%100
68	M81	Z	0	0	0	%100
69	M92	X	-2.988	-2.988	0	%100
70	M92	Z	0	0	0	%100
71	M93	X	-2.988	-2.988	0	%100
72	M93	Z	0	0	0	%100
73	M94	X	0	0	0	%100
74	M94	Z	0	0	0	%100
75	M89A	X	-.798	-.798	0	%100
76	M89A	Z	0	0	0	%100
77	M91A	X	-.983	-.983	0	%100
78	M91A	Z	0	0	0	%100
79	M92A	X	-.798	-.798	0	%100
80	M92A	Z	0	0	0	%100
81	M94A	X	-.983	-.983	0	%100
82	M94A	Z	0	0	0	%100
83	M96	X	-5.389	-5.389	0	%100
84	M96	Z	0	0	0	%100
85	M98	X	-2.014	-2.014	0	%100
86	M98	Z	0	0	0	%100
87	M100	X	-2.014	-2.014	0	%100
88	M100	Z	0	0	0	%100
89	M103	X	-1.328	-1.328	0	%100
90	M103	Z	0	0	0	%100
91	M104	X	-1.328	-1.328	0	%100
92	M104	Z	0	0	0	%100
93	M109	X	-1.328	-1.328	0	%100
94	M109	Z	0	0	0	%100
95	M110	X	-1.328	-1.328	0	%100
96	M110	Z	0	0	0	%100
97	RUA	X	-3.165	-3.165	0	%100
98	RUA	Z	0	0	0	%100
99	M116	X	-.332	-.332	0	%100
100	M116	Z	0	0	0	%100
101	M117	X	-.332	-.332	0	%100
102	M117	Z	0	0	0	%100
103	M122	X	-.332	-.332	0	%100
104	M122	Z	0	0	0	%100
105	M123	X	-.332	-.332	0	%100
106	M123	Z	0	0	0	%100
107	RUC	X	-3.165	-3.165	0	%100
108	RUC	Z	0	0	0	%100
109	M129	X	-.332	-.332	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	-.332	-.332	0	%100
112	M130	Z	0	0	0	%100
113	M135	X	-.332	-.332	0	%100
114	M135	Z	0	0	0	%100
115	M136	X	-.332	-.332	0	%100
116	M136	Z	0	0	0	%100
117	RUB	X	-3.165	-3.165	0	%100
118	RUB	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.167	-1.167	0	%100
2	M1	Z	-.674	-.674	0	%100
3	M3	X	-1.167	-1.167	0	%100
4	M3	Z	-.674	-.674	0	%100
5	M5	X	-2.072	-2.072	0	%100
6	M5	Z	-1.197	-1.197	0	%100
7	M8	X	-2.555	-2.555	0	%100
8	M8	Z	-1.475	-1.475	0	%100
9	M9	X	-1.167	-1.167	0	%100
10	M9	Z	-.674	-.674	0	%100
11	M10	X	-2.964	-2.964	0	%100
12	M10	Z	-1.711	-1.711	0	%100
13	M11	X	-1.167	-1.167	0	%100
14	M11	Z	-.674	-.674	0	%100
15	M17	X	-4.667	-4.667	0	%100
16	M17	Z	-2.694	-2.694	0	%100
17	M19	X	-4.667	-4.667	0	%100
18	M19	Z	-2.694	-2.694	0	%100
19	M20	X	-2.964	-2.964	0	%100
20	M20	Z	-1.711	-1.711	0	%100
21	M23B	X	-2.964	-2.964	0	%100
22	M23B	Z	-1.711	-1.711	0	%100
23	M24A	X	-2.964	-2.964	0	%100
24	M24A	Z	-1.711	-1.711	0	%100
25	M26A	X	0	0	0	%100
26	M26A	Z	0	0	0	%100
27	M27	X	0	0	0	%100
28	M27	Z	0	0	0	%100
29	MP1A	X	-2.994	-2.994	0	%100
30	MP1A	Z	-1.729	-1.729	0	%100
31	MP2A	X	-2.994	-2.994	0	%100
32	MP2A	Z	-1.729	-1.729	0	%100
33	MP3A	X	-2.994	-2.994	0	%100
34	MP3A	Z	-1.729	-1.729	0	%100
35	MP4A	X	-2.994	-2.994	0	%100
36	MP4A	Z	-1.729	-1.729	0	%100
37	MP1C	X	-2.994	-2.994	0	%100
38	MP1C	Z	-1.729	-1.729	0	%100
39	MP2C	X	-2.994	-2.994	0	%100
40	MP2C	Z	-1.729	-1.729	0	%100
41	MP3C	X	-2.994	-2.994	0	%100
42	MP3C	Z	-1.729	-1.729	0	%100
43	MP4C	X	-2.994	-2.994	0	%100
44	MP4C	Z	-1.729	-1.729	0	%100
45	MP1B	X	-2.994	-2.994	0	%100
46	MP1B	Z	-1.729	-1.729	0	%100
47	MP2B	X	-2.994	-2.994	0	%100
48	MP2B	Z	-1.729	-1.729	0	%100
49	MP3B	X	-2.994	-2.994	0	%100
50	MP3B	Z	-1.729	-1.729	0	%100
51	MP4B	X	-2.994	-2.994	0	%100
52	MP4B	Z	-1.729	-1.729	0	%100
53	M62	X	-.831	-.831	0	%100
54	M62	Z	-.48	-.48	0	%100
55	M63	X	-.831	-.831	0	%100
56	M63	Z	-.48	-.48	0	%100
57	M64	X	-.831	-.831	0	%100
58	M64	Z	-.48	-.48	0	%100
59	M65	X	-.831	-.831	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	-.48	-.48	0	%100
61	GPS	X	-2.741	-2.741	0	%100
62	GPS	Z	-1.582	-1.582	0	%100
63	M71	X	-.828	-.828	0	%100
64	M71	Z	-.478	-.478	0	%100
65	M76	X	-.828	-.828	0	%100
66	M76	Z	-.478	-.478	0	%100
67	M81	X	-3.313	-3.313	0	%100
68	M81	Z	-1.913	-1.913	0	%100
69	M92	X	-.863	-.863	0	%100
70	M92	Z	-.498	-.498	0	%100
71	M93	X	-3.451	-3.451	0	%100
72	M93	Z	-1.992	-1.992	0	%100
73	M94	X	-.863	-.863	0	%100
74	M94	Z	-.498	-.498	0	%100
75	M89A	X	-2.072	-2.072	0	%100
76	M89A	Z	-1.197	-1.197	0	%100
77	M91A	X	-2.555	-2.555	0	%100
78	M91A	Z	-1.475	-1.475	0	%100
79	M92A	X	0	0	0	%100
80	M92A	Z	0	0	0	%100
81	M94A	X	0	0	0	%100
82	M94A	Z	0	0	0	%100
83	M96	X	-3.693	-3.693	0	%100
84	M96	Z	-2.132	-2.132	0	%100
85	M98	X	-3.693	-3.693	0	%100
86	M98	Z	-2.132	-2.132	0	%100
87	M100	X	-.77	-.77	0	%100
88	M100	Z	-.445	-.445	0	%100
89	M103	X	-.863	-.863	0	%100
90	M103	Z	-.498	-.498	0	%100
91	M104	X	-.863	-.863	0	%100
92	M104	Z	-.498	-.498	0	%100
93	M109	X	-.863	-.863	0	%100
94	M109	Z	-.498	-.498	0	%100
95	M110	X	-.863	-.863	0	%100
96	M110	Z	-.498	-.498	0	%100
97	RUA	X	-2.741	-2.741	0	%100
98	RUA	Z	-1.582	-1.582	0	%100
99	M116	X	-.863	-.863	0	%100
100	M116	Z	-.498	-.498	0	%100
101	M117	X	-.863	-.863	0	%100
102	M117	Z	-.498	-.498	0	%100
103	M122	X	-.863	-.863	0	%100
104	M122	Z	-.498	-.498	0	%100
105	M123	X	-.863	-.863	0	%100
106	M123	Z	-.498	-.498	0	%100
107	RUC	X	-2.741	-2.741	0	%100
108	RUC	Z	-1.582	-1.582	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	0	0	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	0	0	0	%100
115	M136	X	0	0	0	%100
116	M136	Z	0	0	0	%100
117	RUB	X	-2.741	-2.741	0	%100
118	RUB	Z	-1.582	-1.582	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.021	-2.021	0	%100
2	M1	Z	-3.5	-3.5	0	%100
3	M3	X	-2.021	-2.021	0	%100
4	M3	Z	-3.5	-3.5	0	%100
5	M5	X	-.399	-.399	0	%100
6	M5	Z	-.691	-.691	0	%100
7	M8	X	-.492	-.492	0	%100
8	M8	Z	-.852	-.852	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-.57	-.57	0	%100
12	M10	Z	-.988	-.988	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M17	X	-2.021	-2.021	0	%100
16	M17	Z	-3.5	-3.5	0	%100
17	M19	X	-2.021	-2.021	0	%100
18	M19	Z	-3.5	-3.5	0	%100
19	M20	X	-.57	-.57	0	%100
20	M20	Z	-.988	-.988	0	%100
21	M23B	X	-2.281	-2.281	0	%100
22	M23B	Z	-3.952	-3.952	0	%100
23	M24A	X	-2.281	-2.281	0	%100
24	M24A	Z	-3.952	-3.952	0	%100
25	M26A	X	-.57	-.57	0	%100
26	M26A	Z	-.988	-.988	0	%100
27	M27	X	-.57	-.57	0	%100
28	M27	Z	-.988	-.988	0	%100
29	MP1A	X	-1.729	-1.729	0	%100
30	MP1A	Z	-2.994	-2.994	0	%100
31	MP2A	X	-1.729	-1.729	0	%100
32	MP2A	Z	-2.994	-2.994	0	%100
33	MP3A	X	-1.729	-1.729	0	%100
34	MP3A	Z	-2.994	-2.994	0	%100
35	MP4A	X	-1.729	-1.729	0	%100
36	MP4A	Z	-2.994	-2.994	0	%100
37	MP1C	X	-1.729	-1.729	0	%100
38	MP1C	Z	-2.994	-2.994	0	%100
39	MP2C	X	-1.729	-1.729	0	%100
40	MP2C	Z	-2.994	-2.994	0	%100
41	MP3C	X	-1.729	-1.729	0	%100
42	MP3C	Z	-2.994	-2.994	0	%100
43	MP4C	X	-1.729	-1.729	0	%100
44	MP4C	Z	-2.994	-2.994	0	%100
45	MP1B	X	-1.729	-1.729	0	%100
46	MP1B	Z	-2.994	-2.994	0	%100
47	MP2B	X	-1.729	-1.729	0	%100
48	MP2B	Z	-2.994	-2.994	0	%100
49	MP3B	X	-1.729	-1.729	0	%100
50	MP3B	Z	-2.994	-2.994	0	%100
51	MP4B	X	-1.729	-1.729	0	%100
52	MP4B	Z	-2.994	-2.994	0	%100
53	M62	X	-.16	-.16	0	%100
54	M62	Z	-.277	-.277	0	%100
55	M63	X	-.16	-.16	0	%100
56	M63	Z	-.277	-.277	0	%100
57	M64	X	-.16	-.16	0	%100
58	M64	Z	-.277	-.277	0	%100
59	M65	X	-.16	-.16	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	-.277	-.277	0	%100
61	GPS	X	-1.582	-1.582	0	%100
62	GPS	Z	-2.741	-2.741	0	%100
63	M71	X	-1.434	-1.434	0	%100
64	M71	Z	-2.484	-2.484	0	%100
65	M76	X	0	0	0	%100
66	M76	Z	0	0	0	%100
67	M81	X	-1.434	-1.434	0	%100
68	M81	Z	-2.484	-2.484	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100
71	M93	X	-1.494	-1.494	0	%100
72	M93	Z	-2.588	-2.588	0	%100
73	M94	X	-1.494	-1.494	0	%100
74	M94	Z	-2.588	-2.588	0	%100
75	M89A	X	-1.595	-1.595	0	%100
76	M89A	Z	-2.763	-2.763	0	%100
77	M91A	X	-1.966	-1.966	0	%100
78	M91A	Z	-3.406	-3.406	0	%100
79	M92A	X	-.399	-.399	0	%100
80	M92A	Z	-.691	-.691	0	%100
81	M94A	X	-.492	-.492	0	%100
82	M94A	Z	-.852	-.852	0	%100
83	M96	X	-1.007	-1.007	0	%100
84	M96	Z	-1.744	-1.744	0	%100
85	M98	X	-2.694	-2.694	0	%100
86	M98	Z	-4.667	-4.667	0	%100
87	M100	X	-1.007	-1.007	0	%100
88	M100	Z	-1.744	-1.744	0	%100
89	M103	X	-.166	-.166	0	%100
90	M103	Z	-.288	-.288	0	%100
91	M104	X	-.166	-.166	0	%100
92	M104	Z	-.288	-.288	0	%100
93	M109	X	-.166	-.166	0	%100
94	M109	Z	-.288	-.288	0	%100
95	M110	X	-.166	-.166	0	%100
96	M110	Z	-.288	-.288	0	%100
97	RUA	X	-1.582	-1.582	0	%100
98	RUA	Z	-2.741	-2.741	0	%100
99	M116	X	-.664	-.664	0	%100
100	M116	Z	-1.15	-1.15	0	%100
101	M117	X	-.664	-.664	0	%100
102	M117	Z	-1.15	-1.15	0	%100
103	M122	X	-.664	-.664	0	%100
104	M122	Z	-1.15	-1.15	0	%100
105	M123	X	-.664	-.664	0	%100
106	M123	Z	-1.15	-1.15	0	%100
107	RUC	X	-1.582	-1.582	0	%100
108	RUC	Z	-2.741	-2.741	0	%100
109	M129	X	-.166	-.166	0	%100
110	M129	Z	-.288	-.288	0	%100
111	M130	X	-.166	-.166	0	%100
112	M130	Z	-.288	-.288	0	%100
113	M135	X	-.166	-.166	0	%100
114	M135	Z	-.288	-.288	0	%100
115	M136	X	-.166	-.166	0	%100
116	M136	Z	-.288	-.288	0	%100
117	RUB	X	-1.582	-1.582	0	%100
118	RUB	Z	-2.741	-2.741	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-1.325	-1.325	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	-1.325	-1.325	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-.331	-.331	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-.331	-.331	0	%100
15	M17	X	0	0	0	%100
16	M17	Z	-.331	-.331	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-.331	-.331	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M23B	X	0	0	0	%100
22	M23B	Z	-.822	-.822	0	%100
23	M24A	X	0	0	0	%100
24	M24A	Z	-.822	-.822	0	%100
25	M26A	X	0	0	0	%100
26	M26A	Z	-.822	-.822	0	%100
27	M27	X	0	0	0	%100
28	M27	Z	-.822	-.822	0	%100
29	MP1A	X	0	0	0	%100
30	MP1A	Z	-.629	-.629	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	-.629	-.629	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	-.629	-.629	0	%100
35	MP4A	X	0	0	0	%100
36	MP4A	Z	-.629	-.629	0	%100
37	MP1C	X	0	0	0	%100
38	MP1C	Z	-.629	-.629	0	%100
39	MP2C	X	0	0	0	%100
40	MP2C	Z	-.629	-.629	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	-.629	-.629	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	-.629	-.629	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-.629	-.629	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	-.629	-.629	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	-.629	-.629	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	-.629	-.629	0	%100
53	M62	X	0	0	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M65	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	0	0	0	%100
61	GPS	X	0	0	0	%100
62	GPS	Z	-.573	-.573	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	-.762	-.762	0	%100
65	M76	X	0	0	0	%100
66	M76	Z	-.19	-.19	0	%100
67	M81	X	0	0	0	%100
68	M81	Z	-.19	-.19	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	-.243	-.243	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	-.243	-.243	0	%100
73	M94	X	0	0	0	%100
74	M94	Z	-.972	-.972	0	%100
75	M89A	X	0	0	0	%100
76	M89A	Z	-.568	-.568	0	%100
77	M91A	X	0	0	0	%100
78	M91A	Z	-.733	-.733	0	%100
79	M92A	X	0	0	0	%100
80	M92A	Z	-.568	-.568	0	%100
81	M94A	X	0	0	0	%100
82	M94A	Z	-.733	-.733	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	-.253	-.253	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	-1.057	-1.057	0	%100
87	M100	X	0	0	0	%100
88	M100	Z	-1.057	-1.057	0	%100
89	M103	X	0	0	0	%100
90	M103	Z	0	0	0	%100
91	M104	X	0	0	0	%100
92	M104	Z	0	0	0	%100
93	M109	X	0	0	0	%100
94	M109	Z	0	0	0	%100
95	M110	X	0	0	0	%100
96	M110	Z	0	0	0	%100
97	RUA	X	0	0	0	%100
98	RUA	Z	-.573	-.573	0	%100
99	M116	X	0	0	0	%100
100	M116	Z	-.089	-.089	0	%100
101	M117	X	0	0	0	%100
102	M117	Z	-.089	-.089	0	%100
103	M122	X	0	0	0	%100
104	M122	Z	-.089	-.089	0	%100
105	M123	X	0	0	0	%100
106	M123	Z	-.089	-.089	0	%100
107	RUC	X	0	0	0	%100
108	RUC	Z	-.573	-.573	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	-.089	-.089	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	-.089	-.089	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	-.089	-.089	0	%100
115	M136	X	0	0	0	%100
116	M136	Z	-.089	-.089	0	%100
117	RUB	X	0	0	0	%100
118	RUB	Z	-.573	-.573	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.497	.497	0	%100
2	M1	Z	-.86	-.86	0	%100
3	M3	X	.497	.497	0	%100
4	M3	Z	-.86	-.86	0	%100
5	M5	X	.095	.095	0	%100
6	M5	Z	-.164	-.164	0	%100
7	M8	X	.122	.122	0	%100
8	M8	Z	-.212	-.212	0	%100
9	M9	X	.497	.497	0	%100
10	M9	Z	-.86	-.86	0	%100
11	M10	X	.137	.137	0	%100
12	M10	Z	-.237	-.237	0	%100
13	M11	X	.497	.497	0	%100
14	M11	Z	-.86	-.86	0	%100
15	M17	X	0	0	0	%100
16	M17	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.137	.137	0	%100
20	M20	Z	-.237	-.237	0	%100
21	M23B	X	.137	.137	0	%100
22	M23B	Z	-.237	-.237	0	%100
23	M24A	X	.137	.137	0	%100
24	M24A	Z	-.237	-.237	0	%100
25	M26A	X	.548	.548	0	%100
26	M26A	Z	-.95	-.95	0	%100
27	M27	X	.548	.548	0	%100
28	M27	Z	-.95	-.95	0	%100
29	MP1A	X	.315	.315	0	%100
30	MP1A	Z	-.545	-.545	0	%100
31	MP2A	X	.315	.315	0	%100
32	MP2A	Z	-.545	-.545	0	%100
33	MP3A	X	.315	.315	0	%100
34	MP3A	Z	-.545	-.545	0	%100
35	MP4A	X	.315	.315	0	%100
36	MP4A	Z	-.545	-.545	0	%100
37	MP1C	X	.315	.315	0	%100
38	MP1C	Z	-.545	-.545	0	%100
39	MP2C	X	.315	.315	0	%100
40	MP2C	Z	-.545	-.545	0	%100
41	MP3C	X	.315	.315	0	%100
42	MP3C	Z	-.545	-.545	0	%100
43	MP4C	X	.315	.315	0	%100
44	MP4C	Z	-.545	-.545	0	%100
45	MP1B	X	.315	.315	0	%100
46	MP1B	Z	-.545	-.545	0	%100
47	MP2B	X	.315	.315	0	%100
48	MP2B	Z	-.545	-.545	0	%100
49	MP3B	X	.315	.315	0	%100
50	MP3B	Z	-.545	-.545	0	%100
51	MP4B	X	.315	.315	0	%100
52	MP4B	Z	-.545	-.545	0	%100
53	M62	X	.013	.013	0	%100
54	M62	Z	-.022	-.022	0	%100
55	M63	X	.013	.013	0	%100
56	M63	Z	-.022	-.022	0	%100
57	M64	X	.013	.013	0	%100
58	M64	Z	-.022	-.022	0	%100
59	M65	X	.013	.013	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	-.022	-.022	0	%100
61	GPS	X	.287	.287	0	%100
62	GPS	Z	-.497	-.497	0	%100
63	M71	X	.286	.286	0	%100
64	M71	Z	-.495	-.495	0	%100
65	M76	X	.286	.286	0	%100
66	M76	Z	-.495	-.495	0	%100
67	M81	X	0	0	0	%100
68	M81	Z	0	0	0	%100
69	M92	X	.364	.364	0	%100
70	M92	Z	-.631	-.631	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M94	X	.364	.364	0	%100
74	M94	Z	-.631	-.631	0	%100
75	M89A	X	.095	.095	0	%100
76	M89A	Z	-.164	-.164	0	%100
77	M91A	X	.122	.122	0	%100
78	M91A	Z	-.212	-.212	0	%100
79	M92A	X	.378	.378	0	%100
80	M92A	Z	-.655	-.655	0	%100
81	M94A	X	.489	.489	0	%100
82	M94A	Z	-.847	-.847	0	%100
83	M96	X	.26	.26	0	%100
84	M96	Z	-.451	-.451	0	%100
85	M98	X	.26	.26	0	%100
86	M98	Z	-.451	-.451	0	%100
87	M100	X	.662	.662	0	%100
88	M100	Z	-1.147	-1.147	0	%100
89	M103	X	.015	.015	0	%100
90	M103	Z	-.026	-.026	0	%100
91	M104	X	.015	.015	0	%100
92	M104	Z	-.026	-.026	0	%100
93	M109	X	.015	.015	0	%100
94	M109	Z	-.026	-.026	0	%100
95	M110	X	.015	.015	0	%100
96	M110	Z	-.026	-.026	0	%100
97	RUA	X	.287	.287	0	%100
98	RUA	Z	-.497	-.497	0	%100
99	M116	X	.015	.015	0	%100
100	M116	Z	-.026	-.026	0	%100
101	M117	X	.015	.015	0	%100
102	M117	Z	-.026	-.026	0	%100
103	M122	X	.015	.015	0	%100
104	M122	Z	-.026	-.026	0	%100
105	M123	X	.015	.015	0	%100
106	M123	Z	-.026	-.026	0	%100
107	RUC	X	.287	.287	0	%100
108	RUC	Z	-.497	-.497	0	%100
109	M129	X	.059	.059	0	%100
110	M129	Z	-.103	-.103	0	%100
111	M130	X	.059	.059	0	%100
112	M130	Z	-.103	-.103	0	%100
113	M135	X	.059	.059	0	%100
114	M135	Z	-.103	-.103	0	%100
115	M136	X	.059	.059	0	%100
116	M136	Z	-.103	-.103	0	%100
117	RUB	X	.287	.287	0	%100
118	RUB	Z	-.497	-.497	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.287	.287	0	%100
2	M1	Z	-.166	-.166	0	%100
3	M3	X	.287	.287	0	%100
4	M3	Z	-.166	-.166	0	%100
5	M5	X	.492	.492	0	%100
6	M5	Z	-.284	-.284	0	%100
7	M8	X	.635	.635	0	%100
8	M8	Z	-.367	-.367	0	%100
9	M9	X	1.147	1.147	0	%100
10	M9	Z	-.662	-.662	0	%100
11	M10	X	.712	.712	0	%100
12	M10	Z	-.411	-.411	0	%100
13	M11	X	1.147	1.147	0	%100
14	M11	Z	-.662	-.662	0	%100
15	M17	X	.287	.287	0	%100
16	M17	Z	-.166	-.166	0	%100
17	M19	X	.287	.287	0	%100
18	M19	Z	-.166	-.166	0	%100
19	M20	X	.712	.712	0	%100
20	M20	Z	-.411	-.411	0	%100
21	M23B	X	0	0	0	%100
22	M23B	Z	0	0	0	%100
23	M24A	X	0	0	0	%100
24	M24A	Z	0	0	0	%100
25	M26A	X	.712	.712	0	%100
26	M26A	Z	-.411	-.411	0	%100
27	M27	X	.712	.712	0	%100
28	M27	Z	-.411	-.411	0	%100
29	MP1A	X	.545	.545	0	%100
30	MP1A	Z	-.315	-.315	0	%100
31	MP2A	X	.545	.545	0	%100
32	MP2A	Z	-.315	-.315	0	%100
33	MP3A	X	.545	.545	0	%100
34	MP3A	Z	-.315	-.315	0	%100
35	MP4A	X	.545	.545	0	%100
36	MP4A	Z	-.315	-.315	0	%100
37	MP1C	X	.545	.545	0	%100
38	MP1C	Z	-.315	-.315	0	%100
39	MP2C	X	.545	.545	0	%100
40	MP2C	Z	-.315	-.315	0	%100
41	MP3C	X	.545	.545	0	%100
42	MP3C	Z	-.315	-.315	0	%100
43	MP4C	X	.545	.545	0	%100
44	MP4C	Z	-.315	-.315	0	%100
45	MP1B	X	.545	.545	0	%100
46	MP1B	Z	-.315	-.315	0	%100
47	MP2B	X	.545	.545	0	%100
48	MP2B	Z	-.315	-.315	0	%100
49	MP3B	X	.545	.545	0	%100
50	MP3B	Z	-.315	-.315	0	%100
51	MP4B	X	.545	.545	0	%100
52	MP4B	Z	-.315	-.315	0	%100
53	M62	X	.065	.065	0	%100
54	M62	Z	-.038	-.038	0	%100
55	M63	X	.065	.065	0	%100
56	M63	Z	-.038	-.038	0	%100
57	M64	X	.065	.065	0	%100
58	M64	Z	-.038	-.038	0	%100
59	M65	X	.065	.065	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	-.038	-.038	0	%100
61	GPS	X	.497	.497	0	%100
62	GPS	Z	-.287	-.287	0	%100
63	M71	X	.165	.165	0	%100
64	M71	Z	-.095	-.095	0	%100
65	M76	X	.66	.66	0	%100
66	M76	Z	-.381	-.381	0	%100
67	M81	X	.165	.165	0	%100
68	M81	Z	-.095	-.095	0	%100
69	M92	X	.841	.841	0	%100
70	M92	Z	-.486	-.486	0	%100
71	M93	X	.21	.21	0	%100
72	M93	Z	-.121	-.121	0	%100
73	M94	X	.21	.21	0	%100
74	M94	Z	-.121	-.121	0	%100
75	M89A	X	0	0	0	%100
76	M89A	Z	0	0	0	%100
77	M91A	X	0	0	0	%100
78	M91A	Z	0	0	0	%100
79	M92A	X	.492	.492	0	%100
80	M92A	Z	-.284	-.284	0	%100
81	M94A	X	.635	.635	0	%100
82	M94A	Z	-.367	-.367	0	%100
83	M96	X	.915	.915	0	%100
84	M96	Z	-.528	-.528	0	%100
85	M98	X	.219	.219	0	%100
86	M98	Z	-.127	-.127	0	%100
87	M100	X	.915	.915	0	%100
88	M100	Z	-.528	-.528	0	%100
89	M103	X	.077	.077	0	%100
90	M103	Z	-.044	-.044	0	%100
91	M104	X	.077	.077	0	%100
92	M104	Z	-.044	-.044	0	%100
93	M109	X	.077	.077	0	%100
94	M109	Z	-.044	-.044	0	%100
95	M110	X	.077	.077	0	%100
96	M110	Z	-.044	-.044	0	%100
97	RUA	X	.497	.497	0	%100
98	RUA	Z	-.287	-.287	0	%100
99	M116	X	0	0	0	%100
100	M116	Z	0	0	0	%100
101	M117	X	0	0	0	%100
102	M117	Z	0	0	0	%100
103	M122	X	0	0	0	%100
104	M122	Z	0	0	0	%100
105	M123	X	0	0	0	%100
106	M123	Z	0	0	0	%100
107	RUC	X	.497	.497	0	%100
108	RUC	Z	-.287	-.287	0	%100
109	M129	X	.077	.077	0	%100
110	M129	Z	-.044	-.044	0	%100
111	M130	X	.077	.077	0	%100
112	M130	Z	-.044	-.044	0	%100
113	M135	X	.077	.077	0	%100
114	M135	Z	-.044	-.044	0	%100
115	M136	X	.077	.077	0	%100
116	M136	Z	-.044	-.044	0	%100
117	RUB	X	.497	.497	0	%100
118	RUB	Z	-.287	-.287	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	.757	.757	0	%100
6	M5	Z	0	0	0	%100
7	M8	X	.978	.978	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	.994	.994	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	1.096	1.096	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	.994	.994	0	%100
14	M11	Z	0	0	0	%100
15	M17	X	.994	.994	0	%100
16	M17	Z	0	0	0	%100
17	M19	X	.994	.994	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	1.096	1.096	0	%100
20	M20	Z	0	0	0	%100
21	M23B	X	.274	.274	0	%100
22	M23B	Z	0	0	0	%100
23	M24A	X	.274	.274	0	%100
24	M24A	Z	0	0	0	%100
25	M26A	X	.274	.274	0	%100
26	M26A	Z	0	0	0	%100
27	M27	X	.274	.274	0	%100
28	M27	Z	0	0	0	%100
29	MP1A	X	.629	.629	0	%100
30	MP1A	Z	0	0	0	%100
31	MP2A	X	.629	.629	0	%100
32	MP2A	Z	0	0	0	%100
33	MP3A	X	.629	.629	0	%100
34	MP3A	Z	0	0	0	%100
35	MP4A	X	.629	.629	0	%100
36	MP4A	Z	0	0	0	%100
37	MP1C	X	.629	.629	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	.629	.629	0	%100
40	MP2C	Z	0	0	0	%100
41	MP3C	X	.629	.629	0	%100
42	MP3C	Z	0	0	0	%100
43	MP4C	X	.629	.629	0	%100
44	MP4C	Z	0	0	0	%100
45	MP1B	X	.629	.629	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	.629	.629	0	%100
48	MP2B	Z	0	0	0	%100
49	MP3B	X	.629	.629	0	%100
50	MP3B	Z	0	0	0	%100
51	MP4B	X	.629	.629	0	%100
52	MP4B	Z	0	0	0	%100
53	M62	X	.101	.101	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	.101	.101	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	.101	.101	0	%100
58	M64	Z	0	0	0	%100
59	M65	X	.101	.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	0	0	0	%100
61	GPS	X	.573	.573	0	%100
62	GPS	Z	0	0	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100
65	M76	X	.571	.571	0	%100
66	M76	Z	0	0	0	%100
67	M81	X	.571	.571	0	%100
68	M81	Z	0	0	0	%100
69	M92	X	.729	.729	0	%100
70	M92	Z	0	0	0	%100
71	M93	X	.729	.729	0	%100
72	M93	Z	0	0	0	%100
73	M94	X	0	0	0	%100
74	M94	Z	0	0	0	%100
75	M89A	X	.189	.189	0	%100
76	M89A	Z	0	0	0	%100
77	M91A	X	.244	.244	0	%100
78	M91A	Z	0	0	0	%100
79	M92A	X	.189	.189	0	%100
80	M92A	Z	0	0	0	%100
81	M94A	X	.244	.244	0	%100
82	M94A	Z	0	0	0	%100
83	M96	X	1.325	1.325	0	%100
84	M96	Z	0	0	0	%100
85	M98	X	.521	.521	0	%100
86	M98	Z	0	0	0	%100
87	M100	X	.521	.521	0	%100
88	M100	Z	0	0	0	%100
89	M103	X	.118	.118	0	%100
90	M103	Z	0	0	0	%100
91	M104	X	.118	.118	0	%100
92	M104	Z	0	0	0	%100
93	M109	X	.118	.118	0	%100
94	M109	Z	0	0	0	%100
95	M110	X	.118	.118	0	%100
96	M110	Z	0	0	0	%100
97	RUA	X	.573	.573	0	%100
98	RUA	Z	0	0	0	%100
99	M116	X	.03	.03	0	%100
100	M116	Z	0	0	0	%100
101	M117	X	.03	.03	0	%100
102	M117	Z	0	0	0	%100
103	M122	X	.03	.03	0	%100
104	M122	Z	0	0	0	%100
105	M123	X	.03	.03	0	%100
106	M123	Z	0	0	0	%100
107	RUC	X	.573	.573	0	%100
108	RUC	Z	0	0	0	%100
109	M129	X	.03	.03	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	.03	.03	0	%100
112	M130	Z	0	0	0	%100
113	M135	X	.03	.03	0	%100
114	M135	Z	0	0	0	%100
115	M136	X	.03	.03	0	%100
116	M136	Z	0	0	0	%100
117	RUB	X	.573	.573	0	%100
118	RUB	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.287	.287	0	%100
2	M1	Z	.166	.166	0	%100
3	M3	X	.287	.287	0	%100
4	M3	Z	.166	.166	0	%100
5	M5	X	.492	.492	0	%100
6	M5	Z	.284	.284	0	%100
7	M8	X	.635	.635	0	%100
8	M8	Z	.367	.367	0	%100
9	M9	X	.287	.287	0	%100
10	M9	Z	.166	.166	0	%100
11	M10	X	.712	.712	0	%100
12	M10	Z	.411	.411	0	%100
13	M11	X	.287	.287	0	%100
14	M11	Z	.166	.166	0	%100
15	M17	X	1.147	1.147	0	%100
16	M17	Z	.662	.662	0	%100
17	M19	X	1.147	1.147	0	%100
18	M19	Z	.662	.662	0	%100
19	M20	X	.712	.712	0	%100
20	M20	Z	.411	.411	0	%100
21	M23B	X	.712	.712	0	%100
22	M23B	Z	.411	.411	0	%100
23	M24A	X	.712	.712	0	%100
24	M24A	Z	.411	.411	0	%100
25	M26A	X	0	0	0	%100
26	M26A	Z	0	0	0	%100
27	M27	X	0	0	0	%100
28	M27	Z	0	0	0	%100
29	MP1A	X	.545	.545	0	%100
30	MP1A	Z	.315	.315	0	%100
31	MP2A	X	.545	.545	0	%100
32	MP2A	Z	.315	.315	0	%100
33	MP3A	X	.545	.545	0	%100
34	MP3A	Z	.315	.315	0	%100
35	MP4A	X	.545	.545	0	%100
36	MP4A	Z	.315	.315	0	%100
37	MP1C	X	.545	.545	0	%100
38	MP1C	Z	.315	.315	0	%100
39	MP2C	X	.545	.545	0	%100
40	MP2C	Z	.315	.315	0	%100
41	MP3C	X	.545	.545	0	%100
42	MP3C	Z	.315	.315	0	%100
43	MP4C	X	.545	.545	0	%100
44	MP4C	Z	.315	.315	0	%100
45	MP1B	X	.545	.545	0	%100
46	MP1B	Z	.315	.315	0	%100
47	MP2B	X	.545	.545	0	%100
48	MP2B	Z	.315	.315	0	%100
49	MP3B	X	.545	.545	0	%100
50	MP3B	Z	.315	.315	0	%100
51	MP4B	X	.545	.545	0	%100
52	MP4B	Z	.315	.315	0	%100
53	M62	X	.065	.065	0	%100
54	M62	Z	.038	.038	0	%100
55	M63	X	.065	.065	0	%100
56	M63	Z	.038	.038	0	%100
57	M64	X	.065	.065	0	%100
58	M64	Z	.038	.038	0	%100
59	M65	X	.065	.065	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	.038	.038	0	%100
61	GPS	X	.497	.497	0	%100
62	GPS	Z	.287	.287	0	%100
63	M71	X	.165	.165	0	%100
64	M71	Z	.095	.095	0	%100
65	M76	X	.165	.165	0	%100
66	M76	Z	.095	.095	0	%100
67	M81	X	.66	.66	0	%100
68	M81	Z	.381	.381	0	%100
69	M92	X	.21	.21	0	%100
70	M92	Z	.121	.121	0	%100
71	M93	X	.841	.841	0	%100
72	M93	Z	.486	.486	0	%100
73	M94	X	.21	.21	0	%100
74	M94	Z	.121	.121	0	%100
75	M89A	X	.492	.492	0	%100
76	M89A	Z	.284	.284	0	%100
77	M91A	X	.635	.635	0	%100
78	M91A	Z	.367	.367	0	%100
79	M92A	X	0	0	0	%100
80	M92A	Z	0	0	0	%100
81	M94A	X	0	0	0	%100
82	M94A	Z	0	0	0	%100
83	M96	X	.915	.915	0	%100
84	M96	Z	.528	.528	0	%100
85	M98	X	.915	.915	0	%100
86	M98	Z	.528	.528	0	%100
87	M100	X	.219	.219	0	%100
88	M100	Z	.127	.127	0	%100
89	M103	X	.077	.077	0	%100
90	M103	Z	.044	.044	0	%100
91	M104	X	.077	.077	0	%100
92	M104	Z	.044	.044	0	%100
93	M109	X	.077	.077	0	%100
94	M109	Z	.044	.044	0	%100
95	M110	X	.077	.077	0	%100
96	M110	Z	.044	.044	0	%100
97	RUA	X	.497	.497	0	%100
98	RUA	Z	.287	.287	0	%100
99	M116	X	.077	.077	0	%100
100	M116	Z	.044	.044	0	%100
101	M117	X	.077	.077	0	%100
102	M117	Z	.044	.044	0	%100
103	M122	X	.077	.077	0	%100
104	M122	Z	.044	.044	0	%100
105	M123	X	.077	.077	0	%100
106	M123	Z	.044	.044	0	%100
107	RUC	X	.497	.497	0	%100
108	RUC	Z	.287	.287	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	0	0	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	0	0	0	%100
115	M136	X	0	0	0	%100
116	M136	Z	0	0	0	%100
117	RUB	X	.497	.497	0	%100
118	RUB	Z	.287	.287	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.497	.497	0	%100
2	M1	Z	.86	.86	0	%100
3	M3	X	.497	.497	0	%100
4	M3	Z	.86	.86	0	%100
5	M5	X	.095	.095	0	%100
6	M5	Z	.164	.164	0	%100
7	M8	X	.122	.122	0	%100
8	M8	Z	.212	.212	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	.137	.137	0	%100
12	M10	Z	.237	.237	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M17	X	.497	.497	0	%100
16	M17	Z	.86	.86	0	%100
17	M19	X	.497	.497	0	%100
18	M19	Z	.86	.86	0	%100
19	M20	X	.137	.137	0	%100
20	M20	Z	.237	.237	0	%100
21	M23B	X	.548	.548	0	%100
22	M23B	Z	.95	.95	0	%100
23	M24A	X	.548	.548	0	%100
24	M24A	Z	.95	.95	0	%100
25	M26A	X	.137	.137	0	%100
26	M26A	Z	.237	.237	0	%100
27	M27	X	.137	.137	0	%100
28	M27	Z	.237	.237	0	%100
29	MP1A	X	.315	.315	0	%100
30	MP1A	Z	.545	.545	0	%100
31	MP2A	X	.315	.315	0	%100
32	MP2A	Z	.545	.545	0	%100
33	MP3A	X	.315	.315	0	%100
34	MP3A	Z	.545	.545	0	%100
35	MP4A	X	.315	.315	0	%100
36	MP4A	Z	.545	.545	0	%100
37	MP1C	X	.315	.315	0	%100
38	MP1C	Z	.545	.545	0	%100
39	MP2C	X	.315	.315	0	%100
40	MP2C	Z	.545	.545	0	%100
41	MP3C	X	.315	.315	0	%100
42	MP3C	Z	.545	.545	0	%100
43	MP4C	X	.315	.315	0	%100
44	MP4C	Z	.545	.545	0	%100
45	MP1B	X	.315	.315	0	%100
46	MP1B	Z	.545	.545	0	%100
47	MP2B	X	.315	.315	0	%100
48	MP2B	Z	.545	.545	0	%100
49	MP3B	X	.315	.315	0	%100
50	MP3B	Z	.545	.545	0	%100
51	MP4B	X	.315	.315	0	%100
52	MP4B	Z	.545	.545	0	%100
53	M62	X	.013	.013	0	%100
54	M62	Z	.022	.022	0	%100
55	M63	X	.013	.013	0	%100
56	M63	Z	.022	.022	0	%100
57	M64	X	.013	.013	0	%100
58	M64	Z	.022	.022	0	%100
59	M65	X	.013	.013	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	.022	.022	0	%100
61	GPS	X	.287	.287	0	%100
62	GPS	Z	.497	.497	0	%100
63	M71	X	.286	.286	0	%100
64	M71	Z	.495	.495	0	%100
65	M76	X	0	0	0	%100
66	M76	Z	0	0	0	%100
67	M81	X	.286	.286	0	%100
68	M81	Z	.495	.495	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100
71	M93	X	.364	.364	0	%100
72	M93	Z	.631	.631	0	%100
73	M94	X	.364	.364	0	%100
74	M94	Z	.631	.631	0	%100
75	M89A	X	.378	.378	0	%100
76	M89A	Z	.655	.655	0	%100
77	M91A	X	.489	.489	0	%100
78	M91A	Z	.847	.847	0	%100
79	M92A	X	.095	.095	0	%100
80	M92A	Z	.164	.164	0	%100
81	M94A	X	.122	.122	0	%100
82	M94A	Z	.212	.212	0	%100
83	M96	X	.26	.26	0	%100
84	M96	Z	.451	.451	0	%100
85	M98	X	.662	.662	0	%100
86	M98	Z	1.147	1.147	0	%100
87	M100	X	.26	.26	0	%100
88	M100	Z	.451	.451	0	%100
89	M103	X	.015	.015	0	%100
90	M103	Z	.026	.026	0	%100
91	M104	X	.015	.015	0	%100
92	M104	Z	.026	.026	0	%100
93	M109	X	.015	.015	0	%100
94	M109	Z	.026	.026	0	%100
95	M110	X	.015	.015	0	%100
96	M110	Z	.026	.026	0	%100
97	RUA	X	.287	.287	0	%100
98	RUA	Z	.497	.497	0	%100
99	M116	X	.059	.059	0	%100
100	M116	Z	.103	.103	0	%100
101	M117	X	.059	.059	0	%100
102	M117	Z	.103	.103	0	%100
103	M122	X	.059	.059	0	%100
104	M122	Z	.103	.103	0	%100
105	M123	X	.059	.059	0	%100
106	M123	Z	.103	.103	0	%100
107	RUC	X	.287	.287	0	%100
108	RUC	Z	.497	.497	0	%100
109	M129	X	.015	.015	0	%100
110	M129	Z	.026	.026	0	%100
111	M130	X	.015	.015	0	%100
112	M130	Z	.026	.026	0	%100
113	M135	X	.015	.015	0	%100
114	M135	Z	.026	.026	0	%100
115	M136	X	.015	.015	0	%100
116	M136	Z	.026	.026	0	%100
117	RUB	X	.287	.287	0	%100
118	RUB	Z	.497	.497	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	1.325	1.325	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	1.325	1.325	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	.331	.331	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	.331	.331	0	%100
15	M17	X	0	0	0	%100
16	M17	Z	.331	.331	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	.331	.331	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M23B	X	0	0	0	%100
22	M23B	Z	.822	.822	0	%100
23	M24A	X	0	0	0	%100
24	M24A	Z	.822	.822	0	%100
25	M26A	X	0	0	0	%100
26	M26A	Z	.822	.822	0	%100
27	M27	X	0	0	0	%100
28	M27	Z	.822	.822	0	%100
29	MP1A	X	0	0	0	%100
30	MP1A	Z	.629	.629	0	%100
31	MP2A	X	0	0	0	%100
32	MP2A	Z	.629	.629	0	%100
33	MP3A	X	0	0	0	%100
34	MP3A	Z	.629	.629	0	%100
35	MP4A	X	0	0	0	%100
36	MP4A	Z	.629	.629	0	%100
37	MP1C	X	0	0	0	%100
38	MP1C	Z	.629	.629	0	%100
39	MP2C	X	0	0	0	%100
40	MP2C	Z	.629	.629	0	%100
41	MP3C	X	0	0	0	%100
42	MP3C	Z	.629	.629	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	.629	.629	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	.629	.629	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	.629	.629	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	.629	.629	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	.629	.629	0	%100
53	M62	X	0	0	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M65	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	0	0	0	%100
61	GPS	X	0	0	0	%100
62	GPS	Z	.573	.573	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	.762	.762	0	%100
65	M76	X	0	0	0	%100
66	M76	Z	.19	.19	0	%100
67	M81	X	0	0	0	%100
68	M81	Z	.19	.19	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	.243	.243	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	.243	.243	0	%100
73	M94	X	0	0	0	%100
74	M94	Z	.972	.972	0	%100
75	M89A	X	0	0	0	%100
76	M89A	Z	.568	.568	0	%100
77	M91A	X	0	0	0	%100
78	M91A	Z	.733	.733	0	%100
79	M92A	X	0	0	0	%100
80	M92A	Z	.568	.568	0	%100
81	M94A	X	0	0	0	%100
82	M94A	Z	.733	.733	0	%100
83	M96	X	0	0	0	%100
84	M96	Z	.253	.253	0	%100
85	M98	X	0	0	0	%100
86	M98	Z	1.057	1.057	0	%100
87	M100	X	0	0	0	%100
88	M100	Z	1.057	1.057	0	%100
89	M103	X	0	0	0	%100
90	M103	Z	0	0	0	%100
91	M104	X	0	0	0	%100
92	M104	Z	0	0	0	%100
93	M109	X	0	0	0	%100
94	M109	Z	0	0	0	%100
95	M110	X	0	0	0	%100
96	M110	Z	0	0	0	%100
97	RUA	X	0	0	0	%100
98	RUA	Z	.573	.573	0	%100
99	M116	X	0	0	0	%100
100	M116	Z	.089	.089	0	%100
101	M117	X	0	0	0	%100
102	M117	Z	.089	.089	0	%100
103	M122	X	0	0	0	%100
104	M122	Z	.089	.089	0	%100
105	M123	X	0	0	0	%100
106	M123	Z	.089	.089	0	%100
107	RUC	X	0	0	0	%100
108	RUC	Z	.573	.573	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	.089	.089	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	.089	.089	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	.089	.089	0	%100
115	M136	X	0	0	0	%100
116	M136	Z	.089	.089	0	%100
117	RUB	X	0	0	0	%100
118	RUB	Z	.573	.573	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.497	-.497	0	%100
2	M1	Z	.86	.86	0	%100
3	M3	X	-.497	-.497	0	%100
4	M3	Z	.86	.86	0	%100
5	M5	X	-.095	-.095	0	%100
6	M5	Z	.164	.164	0	%100
7	M8	X	-.122	-.122	0	%100
8	M8	Z	.212	.212	0	%100
9	M9	X	-.497	-.497	0	%100
10	M9	Z	.86	.86	0	%100
11	M10	X	-.137	-.137	0	%100
12	M10	Z	.237	.237	0	%100
13	M11	X	-.497	-.497	0	%100
14	M11	Z	.86	.86	0	%100
15	M17	X	0	0	0	%100
16	M17	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-.137	-.137	0	%100
20	M20	Z	.237	.237	0	%100
21	M23B	X	-.137	-.137	0	%100
22	M23B	Z	.237	.237	0	%100
23	M24A	X	-.137	-.137	0	%100
24	M24A	Z	.237	.237	0	%100
25	M26A	X	-.548	-.548	0	%100
26	M26A	Z	.95	.95	0	%100
27	M27	X	-.548	-.548	0	%100
28	M27	Z	.95	.95	0	%100
29	MP1A	X	-.315	-.315	0	%100
30	MP1A	Z	.545	.545	0	%100
31	MP2A	X	-.315	-.315	0	%100
32	MP2A	Z	.545	.545	0	%100
33	MP3A	X	-.315	-.315	0	%100
34	MP3A	Z	.545	.545	0	%100
35	MP4A	X	-.315	-.315	0	%100
36	MP4A	Z	.545	.545	0	%100
37	MP1C	X	-.315	-.315	0	%100
38	MP1C	Z	.545	.545	0	%100
39	MP2C	X	-.315	-.315	0	%100
40	MP2C	Z	.545	.545	0	%100
41	MP3C	X	-.315	-.315	0	%100
42	MP3C	Z	.545	.545	0	%100
43	MP4C	X	-.315	-.315	0	%100
44	MP4C	Z	.545	.545	0	%100
45	MP1B	X	-.315	-.315	0	%100
46	MP1B	Z	.545	.545	0	%100
47	MP2B	X	-.315	-.315	0	%100
48	MP2B	Z	.545	.545	0	%100
49	MP3B	X	-.315	-.315	0	%100
50	MP3B	Z	.545	.545	0	%100
51	MP4B	X	-.315	-.315	0	%100
52	MP4B	Z	.545	.545	0	%100
53	M62	X	-.013	-.013	0	%100
54	M62	Z	.022	.022	0	%100
55	M63	X	-.013	-.013	0	%100
56	M63	Z	.022	.022	0	%100
57	M64	X	-.013	-.013	0	%100
58	M64	Z	.022	.022	0	%100
59	M65	X	-.013	-.013	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	.022	.022	0	%100
61	GPS	X	-.287	-.287	0	%100
62	GPS	Z	.497	.497	0	%100
63	M71	X	-.286	-.286	0	%100
64	M71	Z	.495	.495	0	%100
65	M76	X	-.286	-.286	0	%100
66	M76	Z	.495	.495	0	%100
67	M81	X	0	0	0	%100
68	M81	Z	0	0	0	%100
69	M92	X	-.364	-.364	0	%100
70	M92	Z	.631	.631	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M94	X	-.364	-.364	0	%100
74	M94	Z	.631	.631	0	%100
75	M89A	X	-.095	-.095	0	%100
76	M89A	Z	.164	.164	0	%100
77	M91A	X	-.122	-.122	0	%100
78	M91A	Z	.212	.212	0	%100
79	M92A	X	-.378	-.378	0	%100
80	M92A	Z	.655	.655	0	%100
81	M94A	X	-.489	-.489	0	%100
82	M94A	Z	.847	.847	0	%100
83	M96	X	-.26	-.26	0	%100
84	M96	Z	.451	.451	0	%100
85	M98	X	-.26	-.26	0	%100
86	M98	Z	.451	.451	0	%100
87	M100	X	-.662	-.662	0	%100
88	M100	Z	1.147	1.147	0	%100
89	M103	X	-.015	-.015	0	%100
90	M103	Z	.026	.026	0	%100
91	M104	X	-.015	-.015	0	%100
92	M104	Z	.026	.026	0	%100
93	M109	X	-.015	-.015	0	%100
94	M109	Z	.026	.026	0	%100
95	M110	X	-.015	-.015	0	%100
96	M110	Z	.026	.026	0	%100
97	RUA	X	-.287	-.287	0	%100
98	RUA	Z	.497	.497	0	%100
99	M116	X	-.015	-.015	0	%100
100	M116	Z	.026	.026	0	%100
101	M117	X	-.015	-.015	0	%100
102	M117	Z	.026	.026	0	%100
103	M122	X	-.015	-.015	0	%100
104	M122	Z	.026	.026	0	%100
105	M123	X	-.015	-.015	0	%100
106	M123	Z	.026	.026	0	%100
107	RUC	X	-.287	-.287	0	%100
108	RUC	Z	.497	.497	0	%100
109	M129	X	-.059	-.059	0	%100
110	M129	Z	.103	.103	0	%100
111	M130	X	-.059	-.059	0	%100
112	M130	Z	.103	.103	0	%100
113	M135	X	-.059	-.059	0	%100
114	M135	Z	.103	.103	0	%100
115	M136	X	-.059	-.059	0	%100
116	M136	Z	.103	.103	0	%100
117	RUB	X	-.287	-.287	0	%100
118	RUB	Z	.497	.497	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.287	-.287	0	%100
2	M1	Z	.166	.166	0	%100
3	M3	X	-.287	-.287	0	%100
4	M3	Z	.166	.166	0	%100
5	M5	X	-.492	-.492	0	%100
6	M5	Z	.284	.284	0	%100
7	M8	X	-.635	-.635	0	%100
8	M8	Z	.367	.367	0	%100
9	M9	X	-1.147	-1.147	0	%100
10	M9	Z	.662	.662	0	%100
11	M10	X	-.712	-.712	0	%100
12	M10	Z	.411	.411	0	%100
13	M11	X	-1.147	-1.147	0	%100
14	M11	Z	.662	.662	0	%100
15	M17	X	-.287	-.287	0	%100
16	M17	Z	.166	.166	0	%100
17	M19	X	-.287	-.287	0	%100
18	M19	Z	.166	.166	0	%100
19	M20	X	-.712	-.712	0	%100
20	M20	Z	.411	.411	0	%100
21	M23B	X	0	0	0	%100
22	M23B	Z	0	0	0	%100
23	M24A	X	0	0	0	%100
24	M24A	Z	0	0	0	%100
25	M26A	X	-.712	-.712	0	%100
26	M26A	Z	.411	.411	0	%100
27	M27	X	-.712	-.712	0	%100
28	M27	Z	.411	.411	0	%100
29	MP1A	X	-.545	-.545	0	%100
30	MP1A	Z	.315	.315	0	%100
31	MP2A	X	-.545	-.545	0	%100
32	MP2A	Z	.315	.315	0	%100
33	MP3A	X	-.545	-.545	0	%100
34	MP3A	Z	.315	.315	0	%100
35	MP4A	X	-.545	-.545	0	%100
36	MP4A	Z	.315	.315	0	%100
37	MP1C	X	-.545	-.545	0	%100
38	MP1C	Z	.315	.315	0	%100
39	MP2C	X	-.545	-.545	0	%100
40	MP2C	Z	.315	.315	0	%100
41	MP3C	X	-.545	-.545	0	%100
42	MP3C	Z	.315	.315	0	%100
43	MP4C	X	-.545	-.545	0	%100
44	MP4C	Z	.315	.315	0	%100
45	MP1B	X	-.545	-.545	0	%100
46	MP1B	Z	.315	.315	0	%100
47	MP2B	X	-.545	-.545	0	%100
48	MP2B	Z	.315	.315	0	%100
49	MP3B	X	-.545	-.545	0	%100
50	MP3B	Z	.315	.315	0	%100
51	MP4B	X	-.545	-.545	0	%100
52	MP4B	Z	.315	.315	0	%100
53	M62	X	-.065	-.065	0	%100
54	M62	Z	.038	.038	0	%100
55	M63	X	-.065	-.065	0	%100
56	M63	Z	.038	.038	0	%100
57	M64	X	-.065	-.065	0	%100
58	M64	Z	.038	.038	0	%100
59	M65	X	-.065	-.065	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	.038	.038	0	%100
61	GPS	X	-.497	-.497	0	%100
62	GPS	Z	.287	.287	0	%100
63	M71	X	-.165	-.165	0	%100
64	M71	Z	.095	.095	0	%100
65	M76	X	-.66	-.66	0	%100
66	M76	Z	.381	.381	0	%100
67	M81	X	-.165	-.165	0	%100
68	M81	Z	.095	.095	0	%100
69	M92	X	-.841	-.841	0	%100
70	M92	Z	.486	.486	0	%100
71	M93	X	-.21	-.21	0	%100
72	M93	Z	.121	.121	0	%100
73	M94	X	-.21	-.21	0	%100
74	M94	Z	.121	.121	0	%100
75	M89A	X	0	0	0	%100
76	M89A	Z	0	0	0	%100
77	M91A	X	0	0	0	%100
78	M91A	Z	0	0	0	%100
79	M92A	X	-.492	-.492	0	%100
80	M92A	Z	.284	.284	0	%100
81	M94A	X	-.635	-.635	0	%100
82	M94A	Z	.367	.367	0	%100
83	M96	X	-.915	-.915	0	%100
84	M96	Z	.528	.528	0	%100
85	M98	X	-.219	-.219	0	%100
86	M98	Z	.127	.127	0	%100
87	M100	X	-.915	-.915	0	%100
88	M100	Z	.528	.528	0	%100
89	M103	X	-.077	-.077	0	%100
90	M103	Z	.044	.044	0	%100
91	M104	X	-.077	-.077	0	%100
92	M104	Z	.044	.044	0	%100
93	M109	X	-.077	-.077	0	%100
94	M109	Z	.044	.044	0	%100
95	M110	X	-.077	-.077	0	%100
96	M110	Z	.044	.044	0	%100
97	RUA	X	-.497	-.497	0	%100
98	RUA	Z	.287	.287	0	%100
99	M116	X	0	0	0	%100
100	M116	Z	0	0	0	%100
101	M117	X	0	0	0	%100
102	M117	Z	0	0	0	%100
103	M122	X	0	0	0	%100
104	M122	Z	0	0	0	%100
105	M123	X	0	0	0	%100
106	M123	Z	0	0	0	%100
107	RUC	X	-.497	-.497	0	%100
108	RUC	Z	.287	.287	0	%100
109	M129	X	-.077	-.077	0	%100
110	M129	Z	.044	.044	0	%100
111	M130	X	-.077	-.077	0	%100
112	M130	Z	.044	.044	0	%100
113	M135	X	-.077	-.077	0	%100
114	M135	Z	.044	.044	0	%100
115	M136	X	-.077	-.077	0	%100
116	M136	Z	.044	.044	0	%100
117	RUB	X	-.497	-.497	0	%100
118	RUB	Z	.287	.287	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	-.757	-.757	0	%100
6	M5	Z	0	0	0	%100
7	M8	X	-.978	-.978	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-.994	-.994	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-1.096	-1.096	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	-.994	-.994	0	%100
14	M11	Z	0	0	0	%100
15	M17	X	-.994	-.994	0	%100
16	M17	Z	0	0	0	%100
17	M19	X	-.994	-.994	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-1.096	-1.096	0	%100
20	M20	Z	0	0	0	%100
21	M23B	X	-.274	-.274	0	%100
22	M23B	Z	0	0	0	%100
23	M24A	X	-.274	-.274	0	%100
24	M24A	Z	0	0	0	%100
25	M26A	X	-.274	-.274	0	%100
26	M26A	Z	0	0	0	%100
27	M27	X	-.274	-.274	0	%100
28	M27	Z	0	0	0	%100
29	MP1A	X	-.629	-.629	0	%100
30	MP1A	Z	0	0	0	%100
31	MP2A	X	-.629	-.629	0	%100
32	MP2A	Z	0	0	0	%100
33	MP3A	X	-.629	-.629	0	%100
34	MP3A	Z	0	0	0	%100
35	MP4A	X	-.629	-.629	0	%100
36	MP4A	Z	0	0	0	%100
37	MP1C	X	-.629	-.629	0	%100
38	MP1C	Z	0	0	0	%100
39	MP2C	X	-.629	-.629	0	%100
40	MP2C	Z	0	0	0	%100
41	MP3C	X	-.629	-.629	0	%100
42	MP3C	Z	0	0	0	%100
43	MP4C	X	-.629	-.629	0	%100
44	MP4C	Z	0	0	0	%100
45	MP1B	X	-.629	-.629	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	-.629	-.629	0	%100
48	MP2B	Z	0	0	0	%100
49	MP3B	X	-.629	-.629	0	%100
50	MP3B	Z	0	0	0	%100
51	MP4B	X	-.629	-.629	0	%100
52	MP4B	Z	0	0	0	%100
53	M62	X	-.101	-.101	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	-.101	-.101	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	-.101	-.101	0	%100
58	M64	Z	0	0	0	%100
59	M65	X	-.101	-.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	0	0	0	%100
61	GPS	X	-.573	-.573	0	%100
62	GPS	Z	0	0	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100
65	M76	X	-.571	-.571	0	%100
66	M76	Z	0	0	0	%100
67	M81	X	-.571	-.571	0	%100
68	M81	Z	0	0	0	%100
69	M92	X	-.729	-.729	0	%100
70	M92	Z	0	0	0	%100
71	M93	X	-.729	-.729	0	%100
72	M93	Z	0	0	0	%100
73	M94	X	0	0	0	%100
74	M94	Z	0	0	0	%100
75	M89A	X	-.189	-.189	0	%100
76	M89A	Z	0	0	0	%100
77	M91A	X	-.244	-.244	0	%100
78	M91A	Z	0	0	0	%100
79	M92A	X	-.189	-.189	0	%100
80	M92A	Z	0	0	0	%100
81	M94A	X	-.244	-.244	0	%100
82	M94A	Z	0	0	0	%100
83	M96	X	-1.325	-1.325	0	%100
84	M96	Z	0	0	0	%100
85	M98	X	-.521	-.521	0	%100
86	M98	Z	0	0	0	%100
87	M100	X	-.521	-.521	0	%100
88	M100	Z	0	0	0	%100
89	M103	X	-.118	-.118	0	%100
90	M103	Z	0	0	0	%100
91	M104	X	-.118	-.118	0	%100
92	M104	Z	0	0	0	%100
93	M109	X	-.118	-.118	0	%100
94	M109	Z	0	0	0	%100
95	M110	X	-.118	-.118	0	%100
96	M110	Z	0	0	0	%100
97	RUA	X	-.573	-.573	0	%100
98	RUA	Z	0	0	0	%100
99	M116	X	-.03	-.03	0	%100
100	M116	Z	0	0	0	%100
101	M117	X	-.03	-.03	0	%100
102	M117	Z	0	0	0	%100
103	M122	X	-.03	-.03	0	%100
104	M122	Z	0	0	0	%100
105	M123	X	-.03	-.03	0	%100
106	M123	Z	0	0	0	%100
107	RUC	X	-.573	-.573	0	%100
108	RUC	Z	0	0	0	%100
109	M129	X	-.03	-.03	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	-.03	-.03	0	%100
112	M130	Z	0	0	0	%100
113	M135	X	-.03	-.03	0	%100
114	M135	Z	0	0	0	%100
115	M136	X	-.03	-.03	0	%100
116	M136	Z	0	0	0	%100
117	RUB	X	-.573	-.573	0	%100
118	RUB	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.287	-.287	0	%100
2	M1	Z	-.166	-.166	0	%100
3	M3	X	-.287	-.287	0	%100
4	M3	Z	-.166	-.166	0	%100
5	M5	X	-.492	-.492	0	%100
6	M5	Z	-.284	-.284	0	%100
7	M8	X	-.635	-.635	0	%100
8	M8	Z	-.367	-.367	0	%100
9	M9	X	-.287	-.287	0	%100
10	M9	Z	-.166	-.166	0	%100
11	M10	X	-.712	-.712	0	%100
12	M10	Z	-.411	-.411	0	%100
13	M11	X	-.287	-.287	0	%100
14	M11	Z	-.166	-.166	0	%100
15	M17	X	-1.147	-1.147	0	%100
16	M17	Z	-.662	-.662	0	%100
17	M19	X	-1.147	-1.147	0	%100
18	M19	Z	-.662	-.662	0	%100
19	M20	X	-.712	-.712	0	%100
20	M20	Z	-.411	-.411	0	%100
21	M23B	X	-.712	-.712	0	%100
22	M23B	Z	-.411	-.411	0	%100
23	M24A	X	-.712	-.712	0	%100
24	M24A	Z	-.411	-.411	0	%100
25	M26A	X	0	0	0	%100
26	M26A	Z	0	0	0	%100
27	M27	X	0	0	0	%100
28	M27	Z	0	0	0	%100
29	MP1A	X	-.545	-.545	0	%100
30	MP1A	Z	-.315	-.315	0	%100
31	MP2A	X	-.545	-.545	0	%100
32	MP2A	Z	-.315	-.315	0	%100
33	MP3A	X	-.545	-.545	0	%100
34	MP3A	Z	-.315	-.315	0	%100
35	MP4A	X	-.545	-.545	0	%100
36	MP4A	Z	-.315	-.315	0	%100
37	MP1C	X	-.545	-.545	0	%100
38	MP1C	Z	-.315	-.315	0	%100
39	MP2C	X	-.545	-.545	0	%100
40	MP2C	Z	-.315	-.315	0	%100
41	MP3C	X	-.545	-.545	0	%100
42	MP3C	Z	-.315	-.315	0	%100
43	MP4C	X	-.545	-.545	0	%100
44	MP4C	Z	-.315	-.315	0	%100
45	MP1B	X	-.545	-.545	0	%100
46	MP1B	Z	-.315	-.315	0	%100
47	MP2B	X	-.545	-.545	0	%100
48	MP2B	Z	-.315	-.315	0	%100
49	MP3B	X	-.545	-.545	0	%100
50	MP3B	Z	-.315	-.315	0	%100
51	MP4B	X	-.545	-.545	0	%100
52	MP4B	Z	-.315	-.315	0	%100
53	M62	X	-.065	-.065	0	%100
54	M62	Z	-.038	-.038	0	%100
55	M63	X	-.065	-.065	0	%100
56	M63	Z	-.038	-.038	0	%100
57	M64	X	-.065	-.065	0	%100
58	M64	Z	-.038	-.038	0	%100
59	M65	X	-.065	-.065	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	-.038	-.038	0	%100
61	GPS	X	-.497	-.497	0	%100
62	GPS	Z	-.287	-.287	0	%100
63	M71	X	-.165	-.165	0	%100
64	M71	Z	-.095	-.095	0	%100
65	M76	X	-.165	-.165	0	%100
66	M76	Z	-.095	-.095	0	%100
67	M81	X	-.66	-.66	0	%100
68	M81	Z	-.381	-.381	0	%100
69	M92	X	-.21	-.21	0	%100
70	M92	Z	-.121	-.121	0	%100
71	M93	X	-.841	-.841	0	%100
72	M93	Z	-.486	-.486	0	%100
73	M94	X	-.21	-.21	0	%100
74	M94	Z	-.121	-.121	0	%100
75	M89A	X	-.492	-.492	0	%100
76	M89A	Z	-.284	-.284	0	%100
77	M91A	X	-.635	-.635	0	%100
78	M91A	Z	-.367	-.367	0	%100
79	M92A	X	0	0	0	%100
80	M92A	Z	0	0	0	%100
81	M94A	X	0	0	0	%100
82	M94A	Z	0	0	0	%100
83	M96	X	-.915	-.915	0	%100
84	M96	Z	-.528	-.528	0	%100
85	M98	X	-.915	-.915	0	%100
86	M98	Z	-.528	-.528	0	%100
87	M100	X	-.219	-.219	0	%100
88	M100	Z	-.127	-.127	0	%100
89	M103	X	-.077	-.077	0	%100
90	M103	Z	-.044	-.044	0	%100
91	M104	X	-.077	-.077	0	%100
92	M104	Z	-.044	-.044	0	%100
93	M109	X	-.077	-.077	0	%100
94	M109	Z	-.044	-.044	0	%100
95	M110	X	-.077	-.077	0	%100
96	M110	Z	-.044	-.044	0	%100
97	RUA	X	-.497	-.497	0	%100
98	RUA	Z	-.287	-.287	0	%100
99	M116	X	-.077	-.077	0	%100
100	M116	Z	-.044	-.044	0	%100
101	M117	X	-.077	-.077	0	%100
102	M117	Z	-.044	-.044	0	%100
103	M122	X	-.077	-.077	0	%100
104	M122	Z	-.044	-.044	0	%100
105	M123	X	-.077	-.077	0	%100
106	M123	Z	-.044	-.044	0	%100
107	RUC	X	-.497	-.497	0	%100
108	RUC	Z	-.287	-.287	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	0	0	0	%100
113	M135	X	0	0	0	%100
114	M135	Z	0	0	0	%100
115	M136	X	0	0	0	%100
116	M136	Z	0	0	0	%100
117	RUB	X	-.497	-.497	0	%100
118	RUB	Z	-.287	-.287	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.497	-.497	0	%100
2	M1	Z	-.86	-.86	0	%100
3	M3	X	-.497	-.497	0	%100
4	M3	Z	-.86	-.86	0	%100
5	M5	X	-.095	-.095	0	%100
6	M5	Z	-.164	-.164	0	%100
7	M8	X	-.122	-.122	0	%100
8	M8	Z	-.212	-.212	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	-.137	-.137	0	%100
12	M10	Z	-.237	-.237	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M17	X	-.497	-.497	0	%100
16	M17	Z	-.86	-.86	0	%100
17	M19	X	-.497	-.497	0	%100
18	M19	Z	-.86	-.86	0	%100
19	M20	X	-.137	-.137	0	%100
20	M20	Z	-.237	-.237	0	%100
21	M23B	X	-.548	-.548	0	%100
22	M23B	Z	-.95	-.95	0	%100
23	M24A	X	-.548	-.548	0	%100
24	M24A	Z	-.95	-.95	0	%100
25	M26A	X	-.137	-.137	0	%100
26	M26A	Z	-.237	-.237	0	%100
27	M27	X	-.137	-.137	0	%100
28	M27	Z	-.237	-.237	0	%100
29	MP1A	X	-.315	-.315	0	%100
30	MP1A	Z	-.545	-.545	0	%100
31	MP2A	X	-.315	-.315	0	%100
32	MP2A	Z	-.545	-.545	0	%100
33	MP3A	X	-.315	-.315	0	%100
34	MP3A	Z	-.545	-.545	0	%100
35	MP4A	X	-.315	-.315	0	%100
36	MP4A	Z	-.545	-.545	0	%100
37	MP1C	X	-.315	-.315	0	%100
38	MP1C	Z	-.545	-.545	0	%100
39	MP2C	X	-.315	-.315	0	%100
40	MP2C	Z	-.545	-.545	0	%100
41	MP3C	X	-.315	-.315	0	%100
42	MP3C	Z	-.545	-.545	0	%100
43	MP4C	X	-.315	-.315	0	%100
44	MP4C	Z	-.545	-.545	0	%100
45	MP1B	X	-.315	-.315	0	%100
46	MP1B	Z	-.545	-.545	0	%100
47	MP2B	X	-.315	-.315	0	%100
48	MP2B	Z	-.545	-.545	0	%100
49	MP3B	X	-.315	-.315	0	%100
50	MP3B	Z	-.545	-.545	0	%100
51	MP4B	X	-.315	-.315	0	%100
52	MP4B	Z	-.545	-.545	0	%100
53	M62	X	-.013	-.013	0	%100
54	M62	Z	-.022	-.022	0	%100
55	M63	X	-.013	-.013	0	%100
56	M63	Z	-.022	-.022	0	%100
57	M64	X	-.013	-.013	0	%100
58	M64	Z	-.022	-.022	0	%100
59	M65	X	-.013	-.013	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	M65	Z	-.022	-.022	0	%100
61	GPS	X	-.287	-.287	0	%100
62	GPS	Z	-.497	-.497	0	%100
63	M71	X	-.286	-.286	0	%100
64	M71	Z	-.495	-.495	0	%100
65	M76	X	0	0	0	%100
66	M76	Z	0	0	0	%100
67	M81	X	-.286	-.286	0	%100
68	M81	Z	-.495	-.495	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100
71	M93	X	-.364	-.364	0	%100
72	M93	Z	-.631	-.631	0	%100
73	M94	X	-.364	-.364	0	%100
74	M94	Z	-.631	-.631	0	%100
75	M89A	X	-.378	-.378	0	%100
76	M89A	Z	-.655	-.655	0	%100
77	M91A	X	-.489	-.489	0	%100
78	M91A	Z	-.847	-.847	0	%100
79	M92A	X	-.095	-.095	0	%100
80	M92A	Z	-.164	-.164	0	%100
81	M94A	X	-.122	-.122	0	%100
82	M94A	Z	-.212	-.212	0	%100
83	M96	X	-.26	-.26	0	%100
84	M96	Z	-.451	-.451	0	%100
85	M98	X	-.662	-.662	0	%100
86	M98	Z	-1.147	-1.147	0	%100
87	M100	X	-.26	-.26	0	%100
88	M100	Z	-.451	-.451	0	%100
89	M103	X	-.015	-.015	0	%100
90	M103	Z	-.026	-.026	0	%100
91	M104	X	-.015	-.015	0	%100
92	M104	Z	-.026	-.026	0	%100
93	M109	X	-.015	-.015	0	%100
94	M109	Z	-.026	-.026	0	%100
95	M110	X	-.015	-.015	0	%100
96	M110	Z	-.026	-.026	0	%100
97	RUA	X	-.287	-.287	0	%100
98	RUA	Z	-.497	-.497	0	%100
99	M116	X	-.059	-.059	0	%100
100	M116	Z	-.103	-.103	0	%100
101	M117	X	-.059	-.059	0	%100
102	M117	Z	-.103	-.103	0	%100
103	M122	X	-.059	-.059	0	%100
104	M122	Z	-.103	-.103	0	%100
105	M123	X	-.059	-.059	0	%100
106	M123	Z	-.103	-.103	0	%100
107	RUC	X	-.287	-.287	0	%100
108	RUC	Z	-.497	-.497	0	%100
109	M129	X	-.015	-.015	0	%100
110	M129	Z	-.026	-.026	0	%100
111	M130	X	-.015	-.015	0	%100
112	M130	Z	-.026	-.026	0	%100
113	M135	X	-.015	-.015	0	%100
114	M135	Z	-.026	-.026	0	%100
115	M136	X	-.015	-.015	0	%100
116	M136	Z	-.026	-.026	0	%100
117	RUB	X	-.287	-.287	0	%100
118	RUB	Z	-.497	-.497	0	%100

Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-.202	-3.52	0	2.333
2	M1	Y	-3.52	-4.699	2.333	4.667
3	M1	Y	-4.699	-4.106	4.667	7
4	M1	Y	-4.106	-3.804	7	9.333
5	M1	Y	-3.804	-2.625	9.333	11.667
6	M1	Y	-2.625	-.871	11.667	14
7	M3	Y	-4.83	-4.83	.026	7.627
8	M24A	Y	-.189	-4.83	0	2.932
9	M26A	Y	-.189	-4.83	.733	3.665
10	M36	Y	-16.709	-16.709	0	.25
11	M97	Y	-11.684	-11.684	0	.217
12	M99	Y	-11.684	-11.684	0	.217
13	M17	Y	-.202	-3.52	0	2.333
14	M17	Y	-3.52	-4.699	2.333	4.667
15	M17	Y	-4.699	-4.106	4.667	7
16	M17	Y	-4.106	-3.804	7	9.333
17	M17	Y	-3.804	-2.625	9.333	11.667
18	M17	Y	-2.625	-.871	11.667	14
19	M19	Y	-4.83	-4.83	.026	7.627
20	M20	Y	-.189	-4.83	0	2.932
21	M23B	Y	-.189	-4.83	.733	3.665
22	M52	Y	-16.709	-16.709	0	.25
23	M95	Y	-11.684	-11.684	0	.217
24	M9	Y	-.202	-3.52	0	2.333
25	M9	Y	-3.52	-4.699	2.333	4.667
26	M9	Y	-4.699	-4.106	4.667	7
27	M9	Y	-4.106	-3.804	7	9.333
28	M9	Y	-3.804	-2.625	9.333	11.667
29	M9	Y	-2.625	-.871	11.667	14
30	M10	Y	-1.499	-3.52	.733	3.665
31	M11	Y	-4.83	-4.83	.026	7.627
32	M27	Y	-.189	-4.83	0	2.932
33	M44	Y	-16.709	-16.709	0	.25

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-.392	-6.828	0	2.333
2	M1	Y	-6.828	-9.114	2.333	4.667
3	M1	Y	-9.114	-7.963	4.667	7
4	M1	Y	-7.963	-7.378	7	9.333
5	M1	Y	-7.378	-5.092	9.333	11.667
6	M1	Y	-5.092	-1.69	11.667	14
7	M3	Y	-9.367	-9.367	.026	7.627
8	M24A	Y	-.367	-9.367	0	2.932
9	M26A	Y	-.367	-9.367	.733	3.665
10	M36	Y	-32.406	-32.406	0	.25
11	M97	Y	-22.66	-22.66	0	.217
12	M99	Y	-22.66	-22.66	0	.217
13	M17	Y	-.392	-6.828	0	2.333
14	M17	Y	-6.828	-9.114	2.333	4.667
15	M17	Y	-9.114	-7.963	4.667	7
16	M17	Y	-7.963	-7.378	7	9.333
17	M17	Y	-7.378	-5.092	9.333	11.667
18	M17	Y	-5.092	-1.69	11.667	14
19	M19	Y	-9.367	-9.367	.026	7.627
20	M20	Y	-.367	-9.367	0	2.932
21	M23B	Y	-.367	-9.367	.733	3.665
22	M52	Y	-32.406	-32.406	0	.25

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
23	M95	Y	-22.66	-22.66	0	.217
24	M9	Y	-.392	-6.828	0	2.333
25	M9	Y	-6.828	-9.114	2.333	4.667
26	M9	Y	-9.114	-7.963	4.667	7
27	M9	Y	-7.963	-7.378	7	9.333
28	M9	Y	-7.378	-5.092	9.333	11.667
29	M9	Y	-5.092	-1.69	11.667	14
30	M10	Y	-2.907	-6.828	.733	3.665
31	M11	Y	-9.367	-9.367	.026	7.627
32	M27	Y	-.367	-9.367	0	2.932
33	M44	Y	-32.406	-32.406	0	.25

Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-.008	-.146	0	2.333
2	M1	Y	-.146	-.195	2.333	4.667
3	M1	Y	-.195	-.171	4.667	7
4	M1	Y	-.171	-.158	7	9.333
5	M1	Y	-.158	-.109	9.333	11.667
6	M1	Y	-.109	-.036	11.667	14
7	M3	Y	-.201	-.201	.026	7.627
8	M24A	Y	-.008	-.201	0	2.932
9	M26A	Y	-.008	-.201	.733	3.665
10	M36	Y	-.694	-.694	0	.25
11	M97	Y	-.485	-.485	0	.217
12	M99	Y	-.485	-.485	0	.217
13	M17	Y	-.008	-.146	0	2.333
14	M17	Y	-.146	-.195	2.333	4.667
15	M17	Y	-.195	-.171	4.667	7
16	M17	Y	-.171	-.158	7	9.333
17	M17	Y	-.158	-.109	9.333	11.667
18	M17	Y	-.109	-.036	11.667	14
19	M19	Y	-.201	-.201	.026	7.627
20	M20	Y	-.008	-.201	0	2.932
21	M23B	Y	-.008	-.201	.733	3.665
22	M52	Y	-.694	-.694	0	.25
23	M95	Y	-.485	-.485	0	.217
24	M9	Y	-.008	-.146	0	2.333
25	M9	Y	-.146	-.195	2.333	4.667
26	M9	Y	-.195	-.171	4.667	7
27	M9	Y	-.171	-.158	7	9.333
28	M9	Y	-.158	-.109	9.333	11.667
29	M9	Y	-.109	-.036	11.667	14
30	M10	Y	-.062	-.146	.733	3.665
31	M11	Y	-.201	-.201	.026	7.627
32	M27	Y	-.008	-.201	0	2.932
33	M44	Y	-.694	-.694	0	.25

Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	Z	-.021	-.366	0	2.333
2	M1	Z	-.366	-.489	2.333	4.667
3	M1	Z	-.489	-.427	4.667	7
4	M1	Z	-.427	-.396	7	9.333
5	M1	Z	-.396	-.273	9.333	11.667
6	M1	Z	-.273	-.091	11.667	14
7	M3	Z	-.503	-.503	.026	7.627
8	M24A	Z	-.02	-.503	0	2.932

Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
9	M26A	Z	-.02	-.503	.733	3.665
10	M36	Z	-1.738	-1.738	0	.25
11	M97	Z	-1.216	-1.216	0	.217
12	M99	Z	-1.216	-1.216	0	.217
13	M17	Z	-.021	-.366	0	2.333
14	M17	Z	-.366	-.489	2.333	4.667
15	M17	Z	-.489	-.427	4.667	7
16	M17	Z	-.427	-.396	7	9.333
17	M17	Z	-.396	-.273	9.333	11.667
18	M17	Z	-.273	-.091	11.667	14
19	M19	Z	-.503	-.503	.026	7.627
20	M20	Z	-.02	-.503	0	2.932
21	M23B	Z	-.02	-.503	.733	3.665
22	M52	Z	-1.738	-1.738	0	.25
23	M95	Z	-1.216	-1.216	0	.217
24	M9	Z	-.021	-.366	0	2.333
25	M9	Z	-.366	-.489	2.333	4.667
26	M9	Z	-.489	-.427	4.667	7
27	M9	Z	-.427	-.396	7	9.333
28	M9	Z	-.396	-.273	9.333	11.667
29	M9	Z	-.273	-.091	11.667	14
30	M10	Z	-.156	-.366	.733	3.665
31	M11	Z	-.503	-.503	.026	7.627
32	M27	Z	-.02	-.503	0	2.932
33	M44	Z	-1.738	-1.738	0	.25

Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.021	.366	0	2.333
2	M1	X	.366	.489	2.333	4.667
3	M1	X	.489	.427	4.667	7
4	M1	X	.427	.396	7	9.333
5	M1	X	.396	.273	9.333	11.667
6	M1	X	.273	.091	11.667	14
7	M3	X	.503	.503	.026	7.627
8	M24A	X	.02	.503	0	2.932
9	M26A	X	.02	.503	.733	3.665
10	M36	X	1.738	1.738	0	.25
11	M97	X	1.216	1.216	0	.217
12	M99	X	1.216	1.216	0	.217
13	M17	X	.021	.366	0	2.333
14	M17	X	.366	.489	2.333	4.667
15	M17	X	.489	.427	4.667	7
16	M17	X	.427	.396	7	9.333
17	M17	X	.396	.273	9.333	11.667
18	M17	X	.273	.091	11.667	14
19	M19	X	.503	.503	.026	7.627
20	M20	X	.02	.503	0	2.932
21	M23B	X	.02	.503	.733	3.665
22	M52	X	1.738	1.738	0	.25
23	M95	X	1.216	1.216	0	.217
24	M9	X	.021	.366	0	2.333
25	M9	X	.366	.489	2.333	4.667
26	M9	X	.489	.427	4.667	7
27	M9	X	.427	.396	7	9.333
28	M9	X	.396	.273	9.333	11.667
29	M9	X	.273	.091	11.667	14
30	M10	X	.156	.366	.733	3.665

Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
31	M11	X	.503	.503	.026	7.627
32	M27	X	.02	.503	0	2.932
33	M44	X	1.738	1.738	0	.25

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N2	N39	N35	Y	Two Way	-.005
2	N34	N22	N23	N30A	Y	Two Way	-.005
3	N29A	N12	N13	N40	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N2	N39	N35	Y	Two Way	-.01
2	N34	N22	N23	N30A	Y	Two Way	-.01
3	N29A	N12	N13	N40	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N2	N39	N35	Y	Two Way	-.000216
2	N34	N22	N23	N30A	Y	Two Way	-.000216
3	N29A	N12	N13	N40	Y	Two Way	-.000216

Member Area Loads (BLC 85 : Structure Eh (0 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N2	N39	N35	Z	Two Way	-.000541
2	N34	N22	N23	N30A	Z	Two Way	-.000541
3	N29A	N12	N13	N40	Z	Two Way	-.000541

Member Area Loads (BLC 86 : Structure Eh (90 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N2	N39	N35	X	Two Way	.000541
2	N34	N22	N23	N30A	X	Two Way	.000541
3	N29A	N12	N13	N40	X	Two Way	.000541

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	N7	max	3957.52	9	917.105	13	921.829	1	-.641	69	3.075	9	.389	5
2		min	-3870.48	3	274.383	7	-941.805	7	-2.039	24	-2.973	3	-.544	11
3	N135A	max	2426.014	11	867.215	21	3495.729	12	1.146	47	3.178	5	1.764	20
4		min	-2344.369	5	255.579	3	-3328.234	6	-.05	5	-3.286	11	.392	2
5	N140A	max	2104.6	9	900.633	17	3832.373	1	1.271	15	3.379	1	-.437	1
6		min	-2108.421	3	267.386	11	-3789.861	7	.03	9	-3.312	7	-1.643	19
7	N142A	max	73.682	10	1793.873	13	-547.113	7	0	75	0	16	.001	46
8		min	-73.698	4	216.093	7	-4943.594	13	0	1	0	46	-.001	16
9	N144	max	-494.405	3	1724.456	21	2371.757	21	0	6	0	36	0	36
10		min	-4108.646	21	224.422	3	285.418	3	-.002	36	0	6	0	6
11	N145	max	3945.31	17	1658.923	17	2278.204	17	0	20	0	20	0	20
12		min	375.554	11	176.291	11	216.804	11	0	2	0	2	0	2
13	Totals:	max	5822.747	10	7385.892	16	5954.485	1						
14		min	-5822.747	4	2376.918	73	-5954.483	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	L3X3X4	.685	7	1	.106	0	z	35	15745.952	46656	1.688	2.161	1	H2-1
2	M3	L3X3X4	.259	3.826	12	.013	3.826	z	22	13201.774	46656	1.688	3.304	1....	H2-1
3	M5	HSS4X4X4	.246	0	9	.143	0	z	9	138884.6...	139518	16.181	16.181	1....	H1-1b
4	M8	HSS4.5X4.5X3	.113	0	10	.051	1.832	z	4	120027.2...	121302	16.25	16.25	1....	H1-1b
5	M9	L3X3X4	.651	7	9	.080	14	z	15	15745.952	46656	1.688	2.161	1	H2-1
6	M10	L3X3X4	.310	0	23	.058	.649	z	24	34650.483	46656	1.688	3.756	3....	H2-1
7	M11	L3X3X4	.250	3.906	11	.013	3.826	z	18	13201.774	46656	1.688	3.186	1....	H2-1
8	M17	L3X3X4	.635	7	5	.079	14	z	24	15745.952	46656	1.688	2.161	1	H2-1
9	M19	L3X3X4	.249	3.826	4	.014	3.826	z	14	13201.774	46656	1.688	3.292	1....	H2-1
10	M20	L3X3X4	.275	3.665	16	.061	3.016	z	24	34650.483	46656	1.688	3.756	3....	H2-1
11	M23B	L3X3X4	.305	0	19	.056	.649	z	20	34650.483	46656	1.688	3.756	3....	H2-1
12	M24A	L3X3X4	.269	3.665	24	.060	3.016	z	32	34650.483	46656	1.688	3.756	2....	H2-1
13	M26A	L3X3X4	.279	0	15	.052	.649	z	16	34650.483	46656	1.688	3.756	3....	H2-1
14	M27	L3X3X4	.265	3.665	20	.054	3.016	z	16	34650.483	46656	1.688	3.756	3....	H2-1
15	MP1A	PIPE_2.0	.272	4.125	5	.107	1.948		3	22356.067	32130	1.872	1.872	2....	H1-1b
16	MP2A	PIPE_2.0	.282	.881	5	.117	1.951		6	20741.582	32130	1.872	1.872	1....	H1-1b
17	MP3A	PIPE_2.0	.423	3.328	1	.159	3.328		1	22331.491	32130	1.872	1.872	1....	H1-1b
18	MP4A	PIPE_2.0	.358	3.328	9	.083	3.328		23	22331.491	32130	1.872	1.872	1....	H1-1b
19	MP1C	PIPE_2.0	.289	4.125	37	.118	1.948		11	22356.067	32130	1.872	1.872	1....	H1-1b
20	MP2C	PIPE_2.0	.305	.881	12	.116	1.951		2	20741.582	32130	1.872	1.872	1....	H1-1b
21	MP3C	PIPE_2.0	.397	3.328	10	.179	3.328		10	22331.491	32130	1.872	1.872	1....	H1-1b
22	MP4C	PIPE_2.0	.364	3.328	5	.072	3.328		7	22331.491	32130	1.872	1.872	1....	H1-1b
23	MP1B	PIPE_2.0	.272	4.125	9	.110	1.948		7	22356.067	32130	1.872	1.872	2....	H1-1b
24	MP2B	PIPE_2.0	.295	.881	8	.120	1.951		10	20741.582	32130	1.872	1.872	1....	H1-1b
25	MP3B	PIPE_2.0	.393	3.328	5	.161	3.328		12	22331.491	32130	1.872	1.872	1....	H1-1b
26	MP4B	PIPE_2.0	.376	3.328	1	.074	3.328		3	22331.491	32130	1.872	1.872	1....	H1-1b
27	M62	SR_0.5	.228	0	4	.067	0		20	5610.827	6350.4	.052	.052	1....	H1-1b
28	M63	SR_0.5	.229	0	4	.066	0		19	5610.827	6350.4	.052	.052	1....	H1-1b
29	M64	SR_0.5	.121	0	14	.073	0		13	5610.827	6350.4	.052	.052	1....	H1-1b
30	M65	SR_0.5	.118	0	14	.075	0		13	5610.827	6350.4	.052	.052	1....	H1-1b
31	GPS	PIPE_2.0	.029	2.75	3	.019	2.75		11	26521.424	32130	1.872	1.872	1....	H1-1b
32	M71	PIPE_2.5	.190	3.516	5	.082	1.266		8	12481.817	50715	3.596	3.596	1	H1-1b
33	M76	PIPE_2.5	.194	3.516	1	.093	2.109		4	12481.817	50715	3.596	3.596	1	H1-1b
34	M81	PIPE_2.5	.186	3.516	9	.093	1.969		12	12481.817	50715	3.596	3.596	1	H1-1b
35	M92	L3X3X4	.364	2.25	1	.044	0	y	12	41705.06	46656	1.688	3.756	2....	H2-1
36	M93	L3X3X4	.325	2.25	9	.038	.023	y	2	41705.06	46656	1.688	3.756	2....	H2-1
37	M94	L3X3X4	.392	2.25	5	.046	0	y	4	41705.06	46656	1.688	3.756	2....	H2-1
38	M89A	HSS4X4X4	.260	0	11	.142	0	z	5	138884.6...	139518	16.181	16.181	1....	H1-1b
39	M91A	HSS4.5X4.5X3	.110	0	12	.052	1.832	z	12	120027.2...	121302	16.25	16.25	1....	H1-1b
40	M92A	HSS4X4X4	.263	0	7	.149	0	z	1	138884.6...	139518	16.181	16.181	1....	H1-1b
41	M94A	HSS4.5X4.5X3	.103	0	2	.050	1.832	z	8	120027.2...	121302	16.25	16.25	1....	H1-1b
42	M96	LL3x3x3x6	.115	6.557	13	.007	0	y	16	45912.43	70632	6.362	3.745	1	H1-1b*
43	M98	LL3x3x3x6	.110	6.557	21	.008	0	y	36	45912.43	70632	6.362	3.745	1	H1-1b*
44	M100	LL3x3x3x6	.106	6.557	17	.006	6.557	y	20	45912.43	70632	6.362	3.745	1	H1-1b*
45	M103	SR_0.625	.280	0	19	.196	0		19	9197.736	9940.19	.104	.104	1....	H1-1b
46	M104	SR_0.625	.280	0	19	.196	0		19	9197.736	9940.19	.104	.104	1....	H1-1b
47	M109	SR_0.625	.286	0	13	.197	0		13	9197.736	9940.19	.104	.104	1....	H1-1b
48	M110	SR_0.625	.282	0	13	.198	0		13	9197.736	9940.19	.104	.104	1....	H1-1b
49	RUA	PIPE_2.0	.035	1.5	1	.069	1.5		2	26521.424	32130	1.872	1.872	1	H1-1b
50	M116	SR_0.625	.286	0	15	.197	0		15	9197.736	9940.19	.104	.104	1....	H1-1b
51	M117	SR_0.625	.283	0	15	.197	0		15	9197.736	9940.19	.104	.104	1....	H1-1b
52	M122	SR_0.625	.284	0	21	.195	0		21	9197.736	9940.19	.104	.104	1....	H1-1b
53	M123	SR_0.625	.284	0	21	.196	0		21	9197.736	9940.19	.104	.104	1....	H1-1b
54	RUC	PIPE_2.0	.035	1.5	1	.071	3.5		4	26521.424	32130	1.872	1.872	1....	H1-1b
55	M129	SR_0.625	.288	0	24	.196	0		23	9197.736	9940.19	.104	.104	1....	H1-1b
56	M130	SR_0.625	.286	0	24	.196	0		23	9197.736	9940.19	.104	.104	1....	H1-1b
57	M135	SR_0.625	.284	0	17	.197	0		17	9197.736	9940.19	.104	.104	1....	H1-1b
58	M136	SR_0.625	.284	0	17	.198	0		17	9197.736	9940.19	.104	.104	1....	H1-1b

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

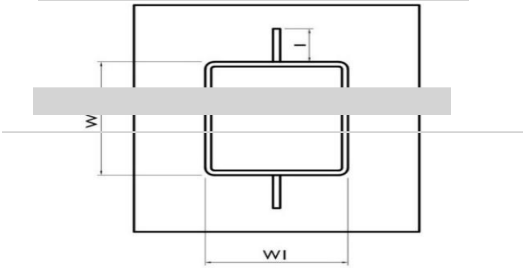
	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
59	RUB	PIPE_2.0	.035	1.5	1	.067	1.5		12	26521.424	32130	1.872	1.872	1....	H1-1b

VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/26/2023
Site Name:	COVENTRY S CT		
PSLC #:	5000397985		
Fuze ID #:	17123744	Page:	2

Version 1.01

Tower Connection Weld Checks	Yes
Weld Shape:	Rectangle
Weld Stiffener Configuration:	(1) Stiffener on top/bottom
Stiffener Notch Present?	Yes
Stiffener Length, l (in):	4
Stiffener Spacing/Width, s (in):	
Stiffener Notch Length, n (in):	
Weld Size (1/16 in):	6
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	32.00
Z_x (in^3/in):	67.56
Z_y (in^3/in):	21.33
J_p (in^4/in):	362.67
c_x (in)	6
c_y (in)	6
Required combined strength (kip/in):	1.53
Weld Capacity (kip/in):	8.35
Weld Utilization:	**18.3%**



Date: **August 03, 2023**

MORRISON HERSHFIELD

Morrison Hershfield
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
(770) 379-8500

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	5000397985
	Site Name:	Coventry S CT
Crown Castle Designation:	**BU Number:**	876391
	Site Name:	Columbia / Deojay
	JDE Job Number:	751376
	Work Order Number:	2246916
	Order Number:	654627 Rev. 0
Engineering Firm Designation:	**Morrison Hershfield Project Number:** CN9-388R4 / 2300001	
Site Data:	**14 Thompson Hill Rd, Columbia, Tolland County, CT 06237**	
	Latitude *41° 43' 3.44"*, Longitude *-72° 17' 59.09"*	
	180 Foot – EEI Monopole Tower	

Morrison Hershfield is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity – 74.8%**

This analysis utilizes an ultimate 3-second gust wind speed of 120 mph as required by the 2022 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Respectfully submitted by:

G. Lance Cooke, P.E. (CT License No. PEN.0028133)
Senior Engineer

EXP 1/31/2024

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 180 ft monopole tower designed by Engineered Endeavors, Inc.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	120 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
147.0	150.0	3	samsung telecommunications	MT6407-77A w/ Mount Pipe	8 1	1-5/8 1/2
		3	commscope	NHH-65B-R2B w/ Mount Pipe		
		3	commscope	NHHSS-65B-R2B w/ Mount Pipe		
		3	andrew	LNX-6514DS-A1M w/ Mount Pipe		
		1	lucent	KS24019-L112A		
		6	samsung telecommunications	RF4440D-13A		
		3	samsung telecommunications	RF4439D-25A		
		3	samsung telecommunications	CBRS RT4401-48A		
		2	rfs/celwave	DB-T1-6Z-8AB-0Z		
		1	kaelus	BSF0020F3V1		
	147.0	3	-	Connector Angle [#L3X3X1/4]		
		3	-	4' Mount Pipe [#VZWSMART-P40]		
		3	-	Kicker Support [#VZWSMART-PLK5]		
		3	-	13.5' Support Rail [#P2.5 STD]		
		1	-	Platform Mount [LP 712-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
180.0	181.0	3	rfs/celwave	APXVTM14-ALU-I20 w/ Mount Pipe	4	1-1/4
		3	commscope	NNVV-65B-R4 w/ Mount Pipe		
		6	alcatel lucent	RRH2X50-800		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
180.0	181.0	3	nokia	FZHN	-	-
		3	alcatel lucent	PCS 1900MHZ 4X45W-65MHZ		
	180.0	1	-	Platform Mount [LP 303-1_HR-1]		
161.0	161.0	3	ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe	4	1-5/8
		3	rfs/celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
		3	commscope	VV-65A-R1_TMO w/ Mount Pipe		
		3	ericsson	RADIO 4460 B2/B25 B66_TMO		
		3	ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		1	-	Platform Mount [LP 305-1_KCKR-HR-1]		
141.0	141.0	3	ericsson	RRUS 11	-	-
		3	ericsson	RRUS 32 B2		
		1	-	Pipe Mount [PM 601-3]		
140.0	140.0	6	powerwave technologies	7770.00 w/ Mount Pipe	12 4 2 1 1	1-5/8 7/16 3/8 2 2C
		3	kmw communications	EPBQ-654L8H6-L2 w/ Mount Pipe		
		3	cci antennas	HPA-65R-BUU-H6 w/ Mount Pipe		
		12	powerwave technologies	7020.00		
		6	powerwave technologies	LGP 17201		
		6	powerwave technologies	LGP21901		
		3	ericsson	RRUS 32		
		3	ericsson	RRUS 4478 B14		
		3	powerwave technologies	1001983		
		2	raycap	DC6-48-60-18-8F		
		1	-	Platform Mount [LP 303-1]		
83.0	84.0	2	kathrein	OG-860/1920/GPS-A	2 2	1-1/4 1/2
	83.0	2	-	Side Arm Mount [SO 702-1]		
78.0	79.0	1	kathrein	OG-860/1920/GPS-A	1	1/2
	78.0	1	-	Side Arm Mount [SO 702-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	1613526	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	1613632	CCISITES
4-TOWER MANUFACTURER DRAWINGS	1614546	CCISITES

3.1) Analysis Method

tnxTower (version 8.1.1.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

3.2) Assumptions

1) Tower and structures were maintained in accordance with the TIA-222 Standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.

This analysis may be affected if any assumptions are not valid or have been made in error. Morrison Hershfield should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	180 - 131.75	Pole	TP31.39x21x0.25	1	-18.14	1470.56	44.6	Pass
L2	131.75 - 86.71	Pole	TP40.46x29.921x0.375	2	-28.24	2843.87	57.2	Pass
L3	86.71 - 43.16	Pole	TP48.96x38.5229x0.4375	3	-42.36	4017.93	60.8	Pass
L4	43.16 - 0	Pole	TP57.25x46.668x0.5	4	-63.89	5532.07	59.5	Pass
							Summary	
						Pole (L3)	60.8	Pass
						Rating =	60.8	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	63.4	Pass
1	Base Plate		69.0	Pass
1	Base Foundation (Structure)	0	71.5	Pass
1	Base Foundation (Soil Interaction)		74.8	Pass

Structure Rating (max from all components) =	74.8%*

Notes:
1) See additional documentation in “Appendix C – Additional Calculations” for calculations supporting the % capacity consumed.
2) *Rating per TIA-222-H, Section 15.5.

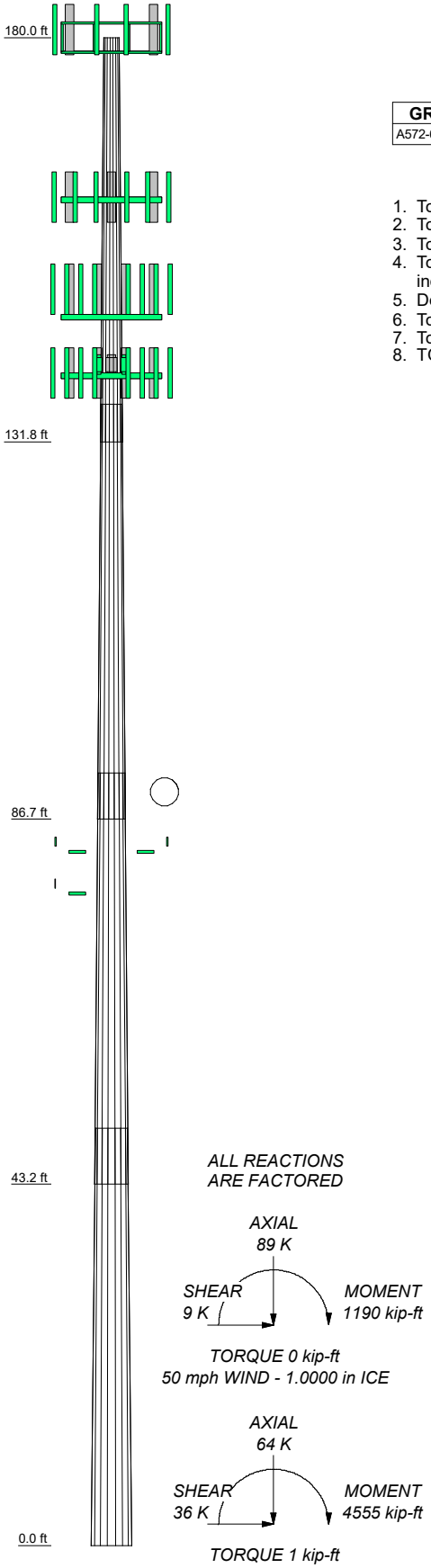
4.1) Recommendations

The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	48.25	18	0.2500	4.50	21.0000	31.3900	A572-65	3.4
2	49.54	18	0.3750	5.58	29.9210	40.4600		7.0
3	49.13	18	0.4375	6.67	38.5229	48.9600		10.1
4	49.83	18	0.5000		46.6680	57.2500		13.8
								34.3



MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in Tolland County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 120 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 60.8%

Morrison Hershfield
Consulting Engineers
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
Phone: (770) 379-8500
FAX: (770) 379-8500

Job: CN9-388R4 / 2300001			
Project: 876391 / Columbia / Deojay			
Client: Crown Castle USA	Drawn by: RBA	App'd:	
Code: TIA-222-H	Date: 08/03/23	Scale: NTS	
Path:		Dwg No. E-1	

Tower Input Data

The tower is a monopole.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

Tower is located in Tolland County, Connecticut.
Tower base elevation above sea level: 580.00 ft.
Basic wind speed of 120 mph.
Risk Category II.
Exposure Category C.
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.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

	Consider Moments - Legs		Distribute Leg Loads As Uniform		Use ASCE 10 X-Brace Ly Rules
	Consider Moments - Horizontals		Assume Legs Pinned		Calculate Redundant Bracing Forces
	Consider Moments - Diagonals	√	Assume Rigid Index Plate		Ignore Redundant Members in FEA
	Use Moment Magnification	√	Use Clear Spans For Wind Area		SR Leg Bolts Resist Compression
√	Use Code Stress Ratios		Use Clear Spans For KL/r		All Leg Panels Have Same Allowable
√	Use Code Safety Factors - Guys		Retension Guys To Initial Tension		Offset Girt At Foundation
	Escalate Ice	√	Bypass Mast Stability Checks	√	Consider Feed Line Torque
	Always Use Max Kz	√	Use Azimuth Dish Coefficients		Include Angle Block Shear Check
	Use Special Wind Profile	√	Project Wind Area of Appurt.		Use TIA-222-H Bracing Resist. Exemption
	Include Bolts In Member Capacity		Autocalc Torque Arm Areas		Use TIA-222-H Tension Splice Exemption
	Leg Bolts Are At Top Of Section		Add IBC .6D+W Combination		Poles
	Secondary Horizontal Braces Leg		Sort Capacity Reports By Component	√	Include Shear-Torsion Interaction
	Use Diamond Inner Bracing (4 Sided)		Triangulate Diamond Inner Bracing		Always Use Sub-Critical Flow
	SR Members Have Cut Ends		Treat Feed Line Bundles As Cylinder		Use Top Mounted Sockets
	SR Members Are Concentric		Ignore KL/ry For 60 Deg. Angle Legs		Pole Without Linear Attachments
					Pole With Shroud Or No Appurtenances
					Outside and Inside Corner Radii Are Known

Tapered Pole Section Geometry

Section	*Elevation*	*Section Length*	*Splice Length*	*Number of Sides*	*Top Diameter*	*Bottom Diameter*	*Wall Thickness*	*Bend Radius*	*Pole Grade*
	ft	*ft*	*ft*		*in*	*in*	*in*	*in*	
L1	180.00-131.75	48.25	4.50	18	21.0000	31.3900	0.2500	1.0000	A572-65 (65 ksi)
L2	131.75-86.71	49.54	5.58	18	29.9210	40.4600	0.3750	1.5000	A572-65 (65 ksi)
L3	86.71-43.16	49.13	6.67	18	38.5229	48.9600	0.4375	1.7500	A572-65 (65 ksi)
L4	43.16-0.00	49.83		18	46.6680	57.2500	0.5000	2.0000	A572-65

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
									(65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	21.2854	16.4651	895.6507	7.3663	10.6680	83.9568	1792.4800	8.2341	3.2560	13.024
	31.8357	24.7096	3027.1937	11.0547	15.9461	189.8389	6058.3706	12.3571	5.0846	20.339
L2	31.2968	35.1671	3878.5645	10.4888	15.1999	255.1711	7762.2325	17.5869	4.6061	12.283
	41.0263	47.7112	9685.4835	14.2302	20.5537	471.2287	19383.7113	23.8601	6.4610	17.229
L3	40.2534	52.8864	9691.6752	13.5203	19.5696	495.2402	19396.1029	26.4482	6.0100	13.737
	49.6478	67.3796	20042.5020	17.2255	24.8717	805.8363	40111.3765	33.6962	7.8470	17.936
L4	48.7491	73.2687	19730.5259	16.3897	23.7074	832.2531	39487.0138	36.6413	7.3336	14.667
	58.0560	90.0622	36644.7678	20.1462	29.0830	1260.0065	73337.7538	45.0397	9.1960	18.392

Tower Elevation ft	Gusset Area (per face) ft^2	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	Double Angle Stitch Bolt Spacing Redundants in
L1 180.00-131.75				1	1	1			
L2 131.75-86.71				1	1	1			
L3 86.71-43.16				1	1	1			
L4 43.16-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
******										
Safety Line 3/8	B	No	Surface Ar (CaAa)	180.00 - 10.00	1	1	0.000 0.000	0.3750		0.22
Climbing Pegs	B	No	Surface Ar (CaAa)	180.00 - 10.00	1	1	-0.050 0.050	0.7050		1.80
******										
HCS 6X12 4AWG(1-5/8)	B	No	Surface Ar (CaAa)	161.00 - 6.00	3	3	-0.300 -0.250	1.6600		2.40
HB158-21U6S24-xxM_TMO(1-5/8)	B	No	Surface Ar (CaAa)	161.00 - 0.00	1	1	-0.200 -0.200	1.9960		2.50
HB158-1-08U8-S8J18(1-5/8)	A	No	Surface Ar (CaAa)	147.00 - 6.00	2	2	-0.100 -0.030	1.9800		1.30
******										
LDF6-50A(1-1/4)	C	No	Surface Ar (CaAa)	83.00 - 6.00	2	2	-0.400 -0.340	1.5500		0.60
***										
LDF4-50A(1/2)	C	No	Surface Ar (CaAa)	83.00 - 6.00	2	2	-0.450 -0.400	0.6250		0.15
******										
LDF4-50A(1/2)	B	No	Surface Ar (CaAa)	78.00 - 6.00	1	1	-0.480 -0.480	0.6250		0.15
******										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
******									
HB114-1-0813U4-M5J(1-1/4)	A	No	No	Inside Pole	180.00 - 6.00	3	No Ice	0.00	1.20
							1/2" Ice	0.00	1.20
							1" Ice	0.00	1.20
HB114-13U3M12-XXXF(1-1/4)	A	No	No	Inside Pole	180.00 - 6.00	1	No Ice	0.00	0.99
							1/2" Ice	0.00	0.99
							1" Ice	0.00	0.99
******									
LDF4-50A(1/2)	A	No	No	Inside Pole	147.00 - 6.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
LDF7-50A(1-5/8)	A	No	No	Inside Pole	147.00 - 6.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
******									
LDF7-50A(1-5/8)	C	No	No	Inside Pole	140.00 - 2.00	12	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
ICE 200(2)	C	No	No	Inside Pole	140.00 - 2.00	1	No Ice	0.00	0.23
							1/2" Ice	0.00	0.23
							1" Ice	0.00	0.23
FB-L98B-034-XXX(3/8)	C	No	No	Inside Pole	140.00 - 2.00	2	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
WR-VG122ST-BRDA(7/16)	C	No	No	Inside Pole	140.00 - 2.00	4	No Ice	0.00	0.14
							1/2" Ice	0.00	0.14
							1" Ice	0.00	0.14
Conduit(2)	C	No	No	Inside Pole	140.00 - 2.00	1	No Ice	0.00	2.80
							1/2" Ice	0.00	2.80
							1" Ice	0.00	2.80
******									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	180.00-131.75	A	0.000	0.000	6.039	0.000	0.34
		B	0.000	0.000	25.616	0.000	0.38
		C	0.000	0.000	0.000	0.000	0.11
L2	131.75-86.71	A	0.000	0.000	17.836	0.000	0.55
		B	0.000	0.000	36.284	0.000	0.53
		C	0.000	0.000	0.000	0.000	0.61
L3	86.71-43.16	A	0.000	0.000	17.246	0.000	0.53
		B	0.000	0.000	37.261	0.000	0.52
		C	0.000	0.000	17.330	0.000	0.65
L4	43.16-0.00	A	0.000	0.000	14.715	0.000	0.46
		B	0.000	0.000	33.024	0.000	0.45
		C	0.000	0.000	16.165	0.000	0.61

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	180.00-131.75	A	0.992	0.000	0.000	11.330	0.000	0.42
		B		0.000	0.000	61.456	0.000	0.85
		C		0.000	0.000	0.000	0.000	0.11
L2	131.75-86.71	A	0.957	0.000	0.000	33.463	0.000	0.80

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B		0.000	0.000	79.864	0.000	1.14
		C		0.000	0.000	0.000	0.000	0.61
L3	86.71-43.16	A	0.909	0.000	0.000	31.981	0.000	0.76
		B		0.000	0.000	84.795	0.000	1.14
		C		0.000	0.000	40.735	0.000	0.91
L4	43.16-0.00	A	0.816	0.000	0.000	26.839	0.000	0.64
		B		0.000	0.000	72.755	0.000	0.97
		C		0.000	0.000	37.095	0.000	0.84

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	180.00-131.75	1.1174	-3.0702	1.6936	-3.0783
L2	131.75-86.71	0.3596	-4.4448	0.9276	-4.1781
L3	86.71-43.16	1.8663	-3.0676	2.4186	-2.7170
L4	43.16-0.00	1.9130	-2.9084	2.4395	-2.6723

Note: For pole sections, center of pressure calculations do not consider feed line shielding.

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	2	Safety Line 3/8	131.75 - 180.00	1.0000	1.0000
L1	3	Climbing Pegs	131.75 - 180.00	1.0000	1.0000
L1	8	HCS 6X12 4AWG(1-5/8)	131.75 - 161.00	1.0000	1.0000
L1	9	HB158-21U6S24-xxM_TMO(1-5/8)	131.75 - 161.00	1.0000	1.0000
L1	14	HB158-1-08U8-S8J18(1-5/8)	131.75 - 147.00	1.0000	1.0000
L2	2	Safety Line 3/8	86.71 - 131.75	1.0000	1.0000
L2	3	Climbing Pegs	86.71 - 131.75	1.0000	1.0000
L2	8	HCS 6X12 4AWG(1-5/8)	86.71 - 131.75	1.0000	1.0000
L2	9	HB158-21U6S24-xxM_TMO(1-5/8)	86.71 - 131.75	1.0000	1.0000
L2	14	HB158-1-08U8-S8J18(1-5/8)	86.71 - 131.75	1.0000	1.0000
L3	2	Safety Line 3/8	43.16 - 86.71	1.0000	1.0000
L3	3	Climbing Pegs	43.16 - 86.71	1.0000	1.0000
L3	8	HCS 6X12 4AWG(1-5/8)	43.16 - 86.71	1.0000	1.0000
L3	9	HB158-21U6S24-xxM_TMO(1-5/8)	43.16 - 86.71	1.0000	1.0000
L3	14	HB158-1-08U8-S8J18(1-5/8)	43.16 - 86.71	1.0000	1.0000
L3	22	LDF6-50A(1-1/4)	43.16 - 83.00	1.0000	1.0000
L3	24	LDF4-50A(1/2)	43.16 - 83.00	1.0000	1.0000
L3	26	LDF4-50A(1/2)	43.16 - 78.00	1.0000	1.0000
L4	2	Safety Line 3/8	10.00 - 43.16	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L4	3	Climbing Pegs	10.00 - 43.16	1.0000	1.0000
L4	8	HCS 6X12 4AWG(1-5/8)	6.00 - 43.16	1.0000	1.0000
L4	9	HB158-21U6S24-xxM_TMO(1-5/8)	0.00 - 43.16	1.0000	1.0000
L4	14	HB158-1-08U8-S8J18(1-5/8)	6.00 - 43.16	1.0000	1.0000
L4	22	LDF6-50A(1-1/4)	6.00 - 43.16	1.0000	1.0000
L4	24	LDF4-50A(1/2)	6.00 - 43.16	1.0000	1.0000
L4	26	LDF4-50A(1/2)	6.00 - 43.16	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
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NNVV-65B-R4 w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	180.00	No Ice 1/2" Ice 1" Ice	7.55 8.04 8.53	4.23 4.67 5.12	0.11 0.20 0.30
NNVV-65B-R4 w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	180.00	No Ice 1/2" Ice 1" Ice	7.55 8.04 8.53	4.23 4.67 5.12	0.11 0.20 0.30
NNVV-65B-R4 w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	180.00	No Ice 1/2" Ice 1" Ice	7.55 8.04 8.53	4.23 4.67 5.12	0.11 0.20 0.30
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	180.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	2.86 3.23 3.61	0.08 0.13 0.19
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	180.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	2.86 3.23 3.61	0.08 0.13 0.19
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	180.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	2.86 3.23 3.61	0.08 0.13 0.19
PCS 1900MHZ 4X45W-65MHZ	A	From Leg	4.00 0.00 1.00	0.0000	180.00	No Ice 1/2" Ice 1" Ice	2.32 2.53 2.74	2.24 2.44 2.65	0.06 0.08 0.11
PCS 1900MHZ 4X45W-65MHZ	B	From Leg	4.00 0.00 1.00	0.0000	180.00	No Ice 1/2" Ice 1" Ice	2.32 2.53 2.74	2.24 2.44 2.65	0.06 0.08 0.11
PCS 1900MHZ 4X45W-65MHZ	C	From Leg	4.00 0.00 1.00	0.0000	180.00	No Ice 1/2" Ice 1" Ice	2.32 2.53 2.74	2.24 2.44 2.65	0.06 0.08 0.11
(2) RRH2X50-800	A	From Leg	4.00 0.00 1.00	0.0000	180.00	No Ice 1/2" Ice 1" Ice	1.70 1.86 2.03	1.28 1.43 1.58	0.05 0.07 0.09
(2) RRH2X50-800	B	From Leg	4.00 0.00 1.00	0.0000	180.00	No Ice 1/2" Ice 1" Ice	1.70 1.86 2.03	1.28 1.43 1.58	0.05 0.07 0.09
(2) RRH2X50-800	C	From Leg	4.00	0.0000	180.00	No Ice	1.70	1.28	0.05

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			1/2" Ice	1.86	1.43	0.07
			1.00			1" Ice	2.03	1.58	0.09
FZHN	A	From Leg	4.00	0.0000	180.00	No Ice	2.02	0.61	0.04
			0.00			1/2" Ice	2.20	0.71	0.06
			1.00			1" Ice	2.38	0.83	0.07
FZHN	B	From Leg	4.00	0.0000	180.00	No Ice	2.02	0.61	0.04
			0.00			1/2" Ice	2.20	0.71	0.06
			1.00			1" Ice	2.38	0.83	0.07
FZHN	C	From Leg	4.00	0.0000	180.00	No Ice	2.02	0.61	0.04
			0.00			1/2" Ice	2.20	0.71	0.06
			1.00			1" Ice	2.38	0.83	0.07
(2) 6' x 2" Mount Pipe	A	From Leg	4.00	0.0000	180.00	No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
			0.00			1" Ice	2.29	2.29	0.05
(2) 6' x 2" Mount Pipe	B	From Leg	4.00	0.0000	180.00	No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
			0.00			1" Ice	2.29	2.29	0.05
(2) 6' x 2" Mount Pipe	C	From Leg	4.00	0.0000	180.00	No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
			0.00			1" Ice	2.29	2.29	0.05
Platform Mount [LP 303-1_HR-1]	C	None		0.0000	180.00	No Ice	17.09	17.09	1.50
						1/2" Ice	21.47	21.47	1.88
						1" Ice	25.72	25.72	2.35
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VV-65A-R1_TMO w/ Mount Pipe	A	From Leg	4.00	0.0000	161.00	No Ice	4.46	2.69	0.05
			0.00			1/2" Ice	4.91	3.10	0.10
			0.00			1" Ice	5.36	3.52	0.15
VV-65A-R1_TMO w/ Mount Pipe	B	From Leg	4.00	0.0000	161.00	No Ice	4.46	2.69	0.05
			0.00			1/2" Ice	4.91	3.10	0.10
			0.00			1" Ice	5.36	3.52	0.15
VV-65A-R1_TMO w/ Mount Pipe	C	From Leg	4.00	0.0000	161.00	No Ice	4.46	2.69	0.05
			0.00			1/2" Ice	4.91	3.10	0.10
			0.00			1" Ice	5.36	3.52	0.15
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.00	0.0000	161.00	No Ice	5.19	2.71	0.13
			0.00			1/2" Ice	5.59	3.04	0.17
			0.00			1" Ice	6.02	3.38	0.23
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.00	0.0000	161.00	No Ice	5.19	2.71	0.13
			0.00			1/2" Ice	5.59	3.04	0.17
			0.00			1" Ice	6.02	3.38	0.23
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.00	0.0000	161.00	No Ice	5.19	2.71	0.13
			0.00			1/2" Ice	5.59	3.04	0.17
			0.00			1" Ice	6.02	3.38	0.23
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.00	0.0000	161.00	No Ice	14.69	6.87	0.19
			0.00			1/2" Ice	15.46	7.55	0.31
			0.00			1" Ice	16.23	8.25	0.46
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.00	0.0000	161.00	No Ice	14.69	6.87	0.19
			0.00			1/2" Ice	15.46	7.55	0.31
			0.00			1" Ice	16.23	8.25	0.46

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	161.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.19 0.31 0.46
RADIO 4460 B2/B25 B66_TMO	A	From Leg	4.00 0.00 0.00	0.0000	161.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
RADIO 4460 B2/B25 B66_TMO	B	From Leg	4.00 0.00 0.00	0.0000	161.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
RADIO 4460 B2/B25 B66_TMO	C	From Leg	4.00 0.00 0.00	0.0000	161.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.00 0.00 0.00	0.0000	161.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.59 1.75 1.92	0.07 0.09 0.12
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.00 0.00 0.00	0.0000	161.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.59 1.75 1.92	0.07 0.09 0.12
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.00 0.00 0.00	0.0000	161.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.59 1.75 1.92	0.07 0.09 0.12
6' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	161.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
Platform Mount [LP 305-1_KCKR-HR-1]	C	None		0.0000	161.00	No Ice 1/2" Ice 1" Ice	30.81 38.70 46.63	30.81 38.70 46.63	1.64 2.20 2.88
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LNX-6514DS-A1M w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	4.09 4.49 4.89	3.30 3.68 4.06	0.06 0.13 0.20
LNX-6514DS-A1M w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	4.09 4.49 4.89	3.30 3.68 4.06	0.06 0.13 0.20
LNX-6514DS-A1M w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	4.09 4.49 4.89	3.30 3.68 4.06	0.06 0.13 0.20
KS24019-L112A	B	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.14 0.20 0.26	0.14 0.20 0.26	0.01 0.01 0.01
DB-T1-6Z-8AB-0Z	A	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	4.80 5.07 5.35	2.00 2.19 2.39	0.04 0.08 0.12
DB-T1-6Z-8AB-0Z	B	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	4.80 5.07 5.35	2.00 2.19 2.39	0.04 0.08 0.12
4' x 2" Pipe Mount	B	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.79 1.03 1.28	0.79 1.03 1.28	0.03 0.04 0.04

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
Platform Mount [LP 712-1]	C	None		0.0000	147.00	No Ice 1/2" Ice 1" Ice	24.56 27.92 31.27	24.56 27.92 31.27	1.34 1.91 2.55
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NHH-65B-R2B w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	3.29 3.67 4.06	0.07 0.13 0.21
NHH-65B-R2B w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	3.29 3.67 4.06	0.07 0.13 0.21
NHH-65B-R2B w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	3.29 3.67 4.06	0.07 0.13 0.21
NHHSS-65B-R2B w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	3.89 4.27 4.65	3.14 3.50 3.87	0.09 0.15 0.23
NHHSS-65B-R2B w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	3.89 4.27 4.65	3.14 3.50 3.87	0.09 0.15 0.23
NHHSS-65B-R2B w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	3.89 4.27 4.65	3.14 3.50 3.87	0.09 0.15 0.23
MT6407-77A w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	5.94 6.47 7.02	3.10 3.55 4.02	0.10 0.13 0.18
MT6407-77A w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	5.94 6.47 7.02	3.10 3.55 4.02	0.10 0.13 0.18
MT6407-77A w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	5.94 6.47 7.02	3.10 3.55 4.02	0.10 0.13 0.18
RF4439D-25A	A	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.87 2.03 2.21	1.25 1.39 1.54	0.07 0.09 0.11
(2) RF4439D-25A	B	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.87 2.03 2.21	1.25 1.39 1.54	0.07 0.09 0.11
(2) RF4440D-13A	A	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.87 2.03 2.21	1.13 1.27 1.41	0.07 0.09 0.11
(2) RF4440D-13A	B	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.87 2.03 2.21	1.13 1.27 1.41	0.07 0.09 0.11
(2) RF4440D-13A	C	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.87 2.03 2.21	1.13 1.27 1.41	0.07 0.09 0.11
CBRS RT4401-48A	A	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.99 1.12 1.26	0.50 0.60 0.70	0.02 0.03 0.04

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
CBRS RT4401-48A	B	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.99 1.12 1.26	0.50 0.60 0.70	0.02 0.03 0.04
CBRS RT4401-48A	C	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.99 1.12 1.26	0.50 0.60 0.70	0.02 0.03 0.04
BSF0020F3V1	A	From Leg	4.00 0.00 3.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.96 1.09 1.22	0.29 0.36 0.45	0.02 0.02 0.03
13.5' Support Rail [#P2.5 STD]	A	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	3.09 4.42 5.77	0.01 0.05 0.10	0.05 0.07 0.10
13.5' Support Rail [#P2.5 STD]	B	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	3.09 4.42 5.77	0.01 0.05 0.10	0.05 0.07 0.10
13.5' Support Rail [#P2.5 STD]	C	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	3.09 4.42 5.77	0.01 0.05 0.10	0.05 0.07 0.10
Kicker Support [#VZWSMART-PLK5]	A	From Leg	2.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	6.32 7.79 9.36	4.85 6.36 7.94	0.09 0.14 0.20
Kicker Support [#VZWSMART-PLK5]	B	From Leg	2.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	6.32 7.79 9.36	4.85 6.36 7.94	0.09 0.14 0.20
Kicker Support [#VZWSMART-PLK5]	C	From Leg	2.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	6.32 7.79 9.36	4.85 6.36 7.94	0.09 0.14 0.20
Connector Angle [#L3X3X1/4]	A	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.18 1.40 1.63	1.18 1.40 1.63	0.06 0.07 0.08
Connector Angle [#L3X3X1/4]	B	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.18 1.40 1.63	1.18 1.40 1.63	0.06 0.07 0.08
Connector Angle [#L3X3X1/4]	C	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	1.18 1.40 1.63	1.18 1.40 1.63	0.06 0.07 0.08
4' Mount Pipe [#VZWSMART-P40]	A	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.79 1.03 1.28	0.79 1.03 1.28	0.03 0.04 0.04
4' Mount Pipe [#VZWSMART-P40]	B	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.79 1.03 1.28	0.79 1.03 1.28	0.03 0.04 0.04
4' Mount Pipe [#VZWSMART-P40]	C	From Leg	4.00 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice	0.79 1.03 1.28	0.79 1.03 1.28	0.03 0.04 0.04
******									
RRUS 32 B2	A	From Leg	0.50 0.00 0.00	0.0000	141.00	No Ice 1/2" Ice 1" Ice	2.73 2.95 3.18	1.67 1.86 2.05	0.05 0.07 0.10

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
RRUS 32 B2	B	From Leg	0.50 0.00 0.00	0.0000	141.00	No Ice 1/2" Ice 1" Ice	2.73 2.95 3.18	1.67 1.86 2.05	0.05 0.07 0.10
RRUS 32 B2	C	From Leg	0.50 0.00 0.00	0.0000	141.00	No Ice 1/2" Ice 1" Ice	2.73 2.95 3.18	1.67 1.86 2.05	0.05 0.07 0.10
RRUS 11	A	From Leg	0.50 0.00 0.00	0.0000	141.00	No Ice 1/2" Ice 1" Ice	2.78 2.99 3.21	1.19 1.33 1.49	0.05 0.07 0.09
RRUS 11	B	From Leg	0.50 0.00 0.00	0.0000	141.00	No Ice 1/2" Ice 1" Ice	2.78 2.99 3.21	1.19 1.33 1.49	0.05 0.07 0.09
RRUS 11	C	From Leg	0.50 0.00 0.00	0.0000	141.00	No Ice 1/2" Ice 1" Ice	2.78 2.99 3.21	1.19 1.33 1.49	0.05 0.07 0.09
Pipe Mount [PM 601-3]	C	None		0.0000	141.00	No Ice 1/2" Ice 1" Ice	3.17 3.79 4.42	3.17 3.79 4.42	0.20 0.23 0.28
******									
(2) 7770.00 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
(2) 7770.00 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
(2) 7770.00 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
HPA-65R-BUU-H6 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	9.22 9.98 10.76	6.25 6.96 7.70	0.07 0.14 0.22
HPA-65R-BUU-H6 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	9.22 9.98 10.76	6.25 6.96 7.70	0.07 0.14 0.22
HPA-65R-BUU-H6 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	9.22 9.98 10.76	6.25 6.96 7.70	0.07 0.14 0.22
EPBQ-654L8H6-L2 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	11.09 11.77 12.46	4.69 5.28 5.89	0.11 0.19 0.29
EPBQ-654L8H6-L2 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	11.09 11.77 12.46	4.69 5.28 5.89	0.11 0.19 0.29
EPBQ-654L8H6-L2 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	11.09 11.77 12.46	4.69 5.28 5.89	0.11 0.19 0.29
(2) LGP 17201	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	1.67 1.83 2.00	0.47 0.57 0.68	0.03 0.04 0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(2) LGP 17201	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	1.67 1.83 2.00	0.47 0.57 0.68	0.03 0.04 0.06
(2) LGP 17201	C	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	1.67 1.83 2.00	0.47 0.57 0.68	0.03 0.04 0.06
(4) 7020.00	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	0.10 0.15 0.20	0.17 0.24 0.31	0.00 0.01 0.01
(4) 7020.00	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	0.10 0.15 0.20	0.17 0.24 0.31	0.00 0.01 0.01
(4) 7020.00	C	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	0.10 0.15 0.20	0.17 0.24 0.31	0.00 0.01 0.01
RRUS 4478 B14	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	1.84 2.01 2.19	1.06 1.20 1.34	0.06 0.08 0.09
RRUS 4478 B14	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	1.84 2.01 2.19	1.06 1.20 1.34	0.06 0.08 0.09
RRUS 4478 B14	C	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	1.84 2.01 2.19	1.06 1.20 1.34	0.06 0.08 0.09
1001983	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	0.18 0.23 0.30	0.08 0.13 0.18	0.00 0.00 0.01
1001983	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	0.18 0.23 0.30	0.08 0.13 0.18	0.00 0.00 0.01
1001983	C	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	0.18 0.23 0.30	0.08 0.13 0.18	0.00 0.00 0.01
(2) LGP21901	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	0.23 0.29 0.36	0.16 0.21 0.28	0.01 0.01 0.01
(2) LGP21901	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	0.23 0.29 0.36	0.16 0.21 0.28	0.01 0.01 0.01
(2) LGP21901	C	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	0.23 0.29 0.36	0.16 0.21 0.28	0.01 0.01 0.01
RRUS 32	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	2.86 3.08 3.32	1.78 1.97 2.17	0.06 0.08 0.10
RRUS 32	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	2.86 3.08 3.32	1.78 1.97 2.17	0.06 0.08 0.10
RRUS 32	C	From Leg	4.00	0.0000	140.00	No Ice	2.86	1.78	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			1/2" Ice	3.08	1.97	0.08
			0.00			1" Ice	3.32	2.17	0.10
(2) DC6-48-60-18-8F	B	From Leg	1.00	0.0000	140.00	No Ice	0.92	0.92	0.02
			0.00			1/2" Ice	1.46	1.46	0.04
			0.00			1" Ice	1.64	1.64	0.06
Platform Mount [LP 303-1]	C	None		0.0000	140.00	No Ice	14.69	14.69	1.25
						1/2" Ice	18.01	18.01	1.57
						1" Ice	21.34	21.34	1.94
******									
OG-860/1920/GPS-A	B	From Leg	6.00	0.0000	83.00	No Ice	0.31	0.37	0.00
			0.00			1/2" Ice	0.40	0.46	0.01
			1.00			1" Ice	0.49	0.55	0.01
OG-860/1920/GPS-A	C	From Leg	6.00	0.0000	83.00	No Ice	0.31	0.37	0.00
			0.00			1/2" Ice	0.40	0.46	0.01
			1.00			1" Ice	0.49	0.55	0.01
Side Arm Mount [SO 702-1]	B	From Leg	3.00	0.0000	83.00	No Ice	0.62	1.49	0.03
			0.00			1/2" Ice	0.74	2.07	0.04
			0.00			1" Ice	0.89	2.54	0.06
Side Arm Mount [SO 702-1]	C	From Leg	3.00	0.0000	83.00	No Ice	0.62	1.49	0.03
			0.00			1/2" Ice	0.74	2.07	0.04
			0.00			1" Ice	0.89	2.54	0.06
78									
OG-860/1920/GPS-A	C	From Leg	6.00	0.0000	78.00	No Ice	0.31	0.37	0.00
			0.00			1/2" Ice	0.40	0.46	0.01
			1.00			1" Ice	0.49	0.55	0.01
Side Arm Mount [SO 702-1]	C	From Leg	3.00	0.0000	78.00	No Ice	0.62	1.49	0.03
			0.00			1/2" Ice	0.74	2.07	0.04
			0.00			1" Ice	0.89	2.54	0.06
***									

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
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

Comb. No.	Description
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
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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	180 - 131.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-34.57	-2.93	0.77
			Max. Mx	8	-18.16	-465.70	-0.73
			Max. My	2	-18.14	-0.48	465.69
			Max. Vy	8	23.08	-465.70	-0.73
			Max. Vx	2	-23.17	-0.48	465.69
			Max. Torque	3			-0.86
L2	131.75 - 86.71	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.06	-4.34	2.08
			Max. Mx	8	-28.26	-1576.41	-3.41
			Max. My	2	-28.25	2.04	1580.17
			Max. Vy	8	27.43	-1576.41	-3.41
			Max. Vx	2	-27.51	2.04	1580.17
			Max. Torque	3			-0.86
L3	86.71 - 43.16	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-64.04	-5.48	2.46
			Max. Mx	8	-42.37	-2838.51	-6.67
			Max. My	2	-42.36	4.95	2847.44
			Max. Vy	8	31.82	-2838.51	-6.67
			Max. Vx	2	-31.96	4.95	2847.44
			Max. Torque	5			-0.97
L4	43.16 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-88.73	-7.17	3.45
			Max. Mx	8	-63.89	-4534.86	-10.38
			Max. My	2	-63.89	8.38	4550.56
			Max. Vy	8	35.91	-4534.86	-10.38
			Max. Vx	2	-36.05	8.38	4550.56
			Max. Torque	19			0.82

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	30	88.73	-9.41	-0.02
	Max. H_x	21	47.93	35.87	0.09
	Max. H_z	3	47.93	0.09	36.01
	Max. M_x	2	4550.56	0.09	36.01
	Max. M_z	8	4534.86	-35.87	-0.09
	Max. Torsion	19	0.82	31.02	-17.93
	Min. Vert	7	47.93	-31.02	17.93
	Min. H_x	9	47.93	-35.87	-0.09
	Min. H_z	15	47.93	-0.09	-36.01
	Min. M_x	14	-4546.69	-0.09	-36.01
	Min. M_z	20	-4526.99	35.87	0.09
	Min. Torsion	7	-0.82	-31.02	17.93

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	53.26	0.00	0.00	-1.55	-3.14	-0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	63.91	-0.09	-36.01	-4550.56	8.38	0.47
0.9 Dead+1.0 Wind 0 deg - No Ice	47.93	-0.09	-36.01	-4485.85	9.25	0.48
1.2 Dead+1.0 Wind 30 deg - No Ice	63.91	17.86	-31.14	-3935.04	-2258.72	0.75
0.9 Dead+1.0 Wind 30 deg - No Ice	47.93	17.86	-31.14	-3879.03	-2225.85	0.75
1.2 Dead+1.0 Wind 60 deg - No Ice	63.91	31.02	-17.93	-2265.62	-3921.69	0.81
0.9 Dead+1.0 Wind 60 deg - No Ice	47.93	31.02	-17.93	-2233.16	-3865.34	0.82
1.2 Dead+1.0 Wind 90 deg - No Ice	63.91	35.87	0.09	10.38	-4534.86	0.66
0.9 Dead+1.0 Wind 90 deg - No Ice	47.93	35.87	0.09	10.72	-4469.84	0.66
1.2 Dead+1.0 Wind 120 deg - No Ice	63.91	31.11	18.08	2283.05	-3933.96	0.34
0.9 Dead+1.0 Wind 120 deg - No Ice	47.93	31.11	18.08	2251.31	-3877.45	0.33
1.2 Dead+1.0 Wind 150 deg - No Ice	63.91	18.01	31.22	3943.43	-2280.05	-0.07
0.9 Dead+1.0 Wind 150 deg - No Ice	47.93	18.01	31.22	3888.26	-2246.88	-0.08
1.2 Dead+1.0 Wind 180 deg - No Ice	63.91	0.09	36.01	4546.69	-16.28	-0.46
0.9 Dead+1.0 Wind 180 deg - No Ice	47.93	0.09	36.01	4482.99	-15.06	-0.47
1.2 Dead+1.0 Wind 210 deg - No Ice	63.91	-17.86	31.14	3931.18	2250.84	-0.73
0.9 Dead+1.0 Wind 210 deg - No Ice	47.93	-17.86	31.14	3876.17	2220.05	-0.74
1.2 Dead+1.0 Wind 240 deg - No Ice	63.91	-31.02	17.93	2261.73	3913.82	-0.81
0.9 Dead+1.0 Wind 240 deg - No Ice	47.93	-31.02	17.93	2230.30	3859.55	-0.82

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
1.2 Dead+1.0 Wind 270 deg - No Ice	63.91	-35.87	-0.09	-14.28	4526.99	-0.68
0.9 Dead+1.0 Wind 270 deg - No Ice	47.93	-35.87	-0.09	-13.60	4464.05	-0.68
1.2 Dead+1.0 Wind 300 deg - No Ice	63.91	-31.11	-18.08	-2286.95	3926.07	-0.36
0.9 Dead+1.0 Wind 300 deg - No Ice	47.93	-31.11	-18.08	-2254.19	3871.64	-0.35
1.2 Dead+1.0 Wind 330 deg - No Ice	63.91	-18.01	-31.22	-3947.32	2272.15	0.07
0.9 Dead+1.0 Wind 330 deg - No Ice	47.93	-18.01	-31.22	-3891.13	2241.07	0.08
1.2 Dead+1.0 Ice+1.0 Temp	88.73	0.00	-0.00	-3.45	-7.17	-0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	88.73	-0.02	-9.44	-1190.18	-4.83	0.08
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	88.73	4.69	-8.17	-1029.93	-596.46	0.17
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	88.73	8.14	-4.70	-594.66	-1030.25	0.22
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	88.73	9.41	0.02	-1.00	-1189.96	0.21
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	88.73	8.16	4.74	591.97	-1032.79	0.14
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	88.73	4.72	8.18	1025.38	-600.87	0.04
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	88.73	0.02	9.44	1183.09	-9.92	-0.08
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	88.73	-4.69	8.17	1022.84	581.72	-0.17
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	88.73	-8.14	4.70	587.57	1015.51	-0.22
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	88.73	-9.41	-0.02	-6.09	1175.22	-0.21
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	88.73	-8.16	-4.74	-599.07	1018.05	-0.14
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	88.73	-4.72	-8.18	-1032.48	586.12	-0.04
Dead+Wind 0 deg - Service	53.26	-0.02	-8.48	-1064.56	-0.39	0.12
Dead+Wind 30 deg - Service	53.26	4.21	-7.33	-920.71	-530.18	0.18
Dead+Wind 60 deg - Service	53.26	7.31	-4.22	-530.59	-918.78	0.20
Dead+Wind 90 deg - Service	53.26	8.45	0.02	1.27	-1062.07	0.16
Dead+Wind 120 deg - Service	53.26	7.33	4.26	532.37	-921.66	0.08
Dead+Wind 150 deg - Service	53.26	4.24	7.35	920.38	-535.17	-0.02
Dead+Wind 180 deg - Service	53.26	0.02	8.48	1061.35	-6.15	-0.12
Dead+Wind 210 deg - Service	53.26	-4.21	7.33	917.50	523.64	-0.18
Dead+Wind 240 deg - Service	53.26	-7.31	4.22	527.38	912.25	-0.20
Dead+Wind 270 deg - Service	53.26	-8.45	-0.02	-4.49	1055.54	-0.16
Dead+Wind 300 deg - Service	53.26	-7.33	-4.26	-535.58	915.13	-0.08
Dead+Wind 330 deg - Service	53.26	-4.24	-7.35	-923.59	528.63	0.02

Solution Summary

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
1	0.00	-53.26	0.00	0.00	53.26	0.00	0.000%
2	-0.09	-63.91	-36.01	0.09	63.91	36.01	0.000%
3	-0.09	-47.93	-36.01	0.09	47.93	36.01	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
4	17.86	-63.91	-31.14	-17.86	63.91	31.14	0.000%
5	17.86	-47.93	-31.14	-17.86	47.93	31.14	0.000%
6	31.02	-63.91	-17.93	-31.02	63.91	17.93	0.000%
7	31.02	-47.93	-17.93	-31.02	47.93	17.93	0.000%
8	35.87	-63.91	0.09	-35.87	63.91	-0.09	0.000%
9	35.87	-47.93	0.09	-35.87	47.93	-0.09	0.000%
10	31.11	-63.91	18.08	-31.11	63.91	-18.08	0.000%
11	31.11	-47.93	18.08	-31.11	47.93	-18.08	0.000%
12	18.01	-63.91	31.22	-18.01	63.91	-31.22	0.000%
13	18.01	-47.93	31.22	-18.01	47.93	-31.22	0.000%
14	0.09	-63.91	36.01	-0.09	63.91	-36.01	0.000%
15	0.09	-47.93	36.01	-0.09	47.93	-36.01	0.000%
16	-17.86	-63.91	31.14	17.86	63.91	-31.14	0.000%
17	-17.86	-47.93	31.14	17.86	47.93	-31.14	0.000%
18	-31.02	-63.91	17.93	31.02	63.91	-17.93	0.000%
19	-31.02	-47.93	17.93	31.02	47.93	-17.93	0.000%
20	-35.87	-63.91	-0.09	35.87	63.91	0.09	0.000%
21	-35.87	-47.93	-0.09	35.87	47.93	0.09	0.000%
22	-31.11	-63.91	-18.08	31.11	63.91	18.08	0.000%
23	-31.11	-47.93	-18.08	31.11	47.93	18.08	0.000%
24	-18.01	-63.91	-31.22	18.01	63.91	31.22	0.000%
25	-18.01	-47.93	-31.22	18.01	47.93	31.22	0.000%
26	0.00	-88.73	0.00	-0.00	88.73	0.00	0.000%
27	-0.02	-88.73	-9.44	0.02	88.73	9.44	0.000%
28	4.69	-88.73	-8.17	-4.69	88.73	8.17	0.000%
29	8.14	-88.73	-4.70	-8.14	88.73	4.70	0.000%
30	9.41	-88.73	0.02	-9.41	88.73	-0.02	0.000%
31	8.16	-88.73	4.74	-8.16	88.73	-4.74	0.000%
32	4.72	-88.73	8.18	-4.72	88.73	-8.18	0.000%
33	0.02	-88.73	9.44	-0.02	88.73	-9.44	0.000%
34	-4.69	-88.73	8.17	4.69	88.73	-8.17	0.000%
35	-8.14	-88.73	4.70	8.14	88.73	-4.70	0.000%
36	-9.41	-88.73	-0.02	9.41	88.73	0.02	0.000%
37	-8.16	-88.73	-4.74	8.16	88.73	4.74	0.000%
38	-4.72	-88.73	-8.18	4.72	88.73	8.18	0.000%
39	-0.02	-53.26	-8.48	0.02	53.26	8.48	0.000%
40	4.21	-53.26	-7.33	-4.21	53.26	7.33	0.000%
41	7.31	-53.26	-4.22	-7.31	53.26	4.22	0.000%
42	8.45	-53.26	0.02	-8.45	53.26	-0.02	0.000%
43	7.33	-53.26	4.26	-7.33	53.26	-4.26	0.000%
44	4.24	-53.26	7.35	-4.24	53.26	-7.35	0.000%
45	0.02	-53.26	8.48	-0.02	53.26	-8.48	0.000%
46	-4.21	-53.26	7.33	4.21	53.26	-7.33	0.000%
47	-7.31	-53.26	4.22	7.31	53.26	-4.22	0.000%
48	-8.45	-53.26	-0.02	8.45	53.26	0.02	0.000%
49	-7.33	-53.26	-4.26	7.33	53.26	4.26	0.000%
50	-4.24	-53.26	-7.35	4.24	53.26	7.35	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00003097
3	Yes	4	0.00000001	0.00048087
4	Yes	6	0.00000001	0.00016651
5	Yes	6	0.00000001	0.00005438
6	Yes	6	0.00000001	0.00016373
7	Yes	6	0.00000001	0.00005337
8	Yes	5	0.00000001	0.00004023
9	Yes	4	0.00000001	0.00054607
10	Yes	6	0.00000001	0.00016655
11	Yes	6	0.00000001	0.00005426
12	Yes	6	0.00000001	0.00016737
13	Yes	6	0.00000001	0.00005454
14	Yes	5	0.00000001	0.00006041

15	Yes	4	0.00000001	0.00068814
16	Yes	6	0.00000001	0.00016276
17	Yes	6	0.00000001	0.00005313
18	Yes	6	0.00000001	0.00016536
19	Yes	6	0.00000001	0.00005412
20	Yes	5	0.00000001	0.00002242
21	Yes	4	0.00000001	0.00043330
22	Yes	6	0.00000001	0.00016621
23	Yes	6	0.00000001	0.00005419
24	Yes	6	0.00000001	0.00016556
25	Yes	6	0.00000001	0.00005393
26	Yes	4	0.00000001	0.00003398
27	Yes	5	0.00000001	0.00045998
28	Yes	5	0.00000001	0.00060220
29	Yes	5	0.00000001	0.00059887
30	Yes	5	0.00000001	0.00046095
31	Yes	5	0.00000001	0.00059894
32	Yes	5	0.00000001	0.00060007
33	Yes	5	0.00000001	0.00045652
34	Yes	5	0.00000001	0.00058263
35	Yes	5	0.00000001	0.00058472
36	Yes	5	0.00000001	0.00045267
37	Yes	5	0.00000001	0.00059211
38	Yes	5	0.00000001	0.00059210
39	Yes	4	0.00000001	0.00009406
40	Yes	4	0.00000001	0.00063939
41	Yes	4	0.00000001	0.00060667
42	Yes	4	0.00000001	0.00009041
43	Yes	4	0.00000001	0.00062573
44	Yes	4	0.00000001	0.00063614
45	Yes	4	0.00000001	0.00009641
46	Yes	4	0.00000001	0.00058904
47	Yes	4	0.00000001	0.00061968
48	Yes	4	0.00000001	0.00008809
49	Yes	4	0.00000001	0.00061955
50	Yes	4	0.00000001	0.00061099

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	180 - 131.75	31.188	43	1.5267	0.0009
L2	136.25 - 86.71	17.918	43	1.2930	0.0008
L3	92.29 - 43.16	7.916	44	0.8393	0.0003
L4	49.83 - 0	2.245	44	0.4148	0.0001

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
180.00	NNVV-65B-R4 w/ Mount Pipe	43	31.188	1.5267	0.0009	51166
161.00	VV-65A-R1_TMO w/ Mount Pipe	43	25.194	1.4457	0.0009	13464
147.00	LNX-6514DS-A1M w/ Mount Pipe	43	20.966	1.3693	0.0009	7751
141.00	RRUS 32 B2	43	19.239	1.3290	0.0008	6558
140.00	(2) 7770.00 w/ Mount Pipe	43	18.957	1.3218	0.0008	6396
83.00	OG-860/1920/GPS-A	44	6.329	0.7394	0.0003	5444
78.00	OG-860/1920/GPS-A	44	5.554	0.6873	0.0002	5379

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	180 - 131.75	133.317	12	6.5373	0.0036
L2	136.25 - 86.71	76.674	12	5.5390	0.0032
L3	92.29 - 43.16	33.896	12	3.5972	0.0013
L4	49.83 - 0	9.614	12	1.7766	0.0005

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
180.00	NNVV-65B-R4 w/ Mount Pipe	12	133.317	6.5373	0.0040	12277
161.00	VV-65A-R1_TMO w/ Mount Pipe	12	107.741	6.1914	0.0038	3228
147.00	LNX-6514DS-A1M w/ Mount Pipe	12	89.690	5.8652	0.0036	1855
141.00	RRUS 32 B2	12	82.316	5.6930	0.0034	1568
140.00	(2) 7770.00 w/ Mount Pipe	12	81.113	5.6619	0.0034	1529
83.00	OG-860/1920/GPS-A	12	27.102	3.1690	0.0011	1279
78.00	OG-860/1920/GPS-A	12	23.781	2.9455	0.0010	1263

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	180 - 131.75 (1)	TP31.39x21x0.25	48.25	0.00	0.0	23.9407	-18.14	1400.53	0.013
L2	131.75 - 86.71 (2)	TP40.46x29.921x0.375	49.54	0.00	0.0	46.2983	-28.24	2708.45	0.010
L3	86.71 - 43.16 (3)	TP48.96x38.5229x0.4375	49.13	0.00	0.0	65.4119	-42.36	3826.60	0.011
L4	43.16 - 0 (4)	TP57.25x46.668x0.5	49.83	0.00	0.0	90.0622	-63.89	5268.64	0.012

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	180 - 131.75 (1)	TP31.39x21x0.25	466.54	1032.18	0.452	0.00	1032.18	0.000
L2	131.75 - 86.71 (2)	TP40.46x29.921x0.375	1582.03	2686.80	0.589	0.00	2686.80	0.000
L3	86.71 - 43.16 (3)	TP48.96x38.5229x0.4375	2850.77	4552.13	0.626	0.00	4552.13	0.000
L4	43.16 - 0 (4)	TP57.25x46.668x0.5	4555.14	7440.33	0.612	0.00	7440.33	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	180 - 131.75 (1)	TP31.39x21x0.25	23.17	420.16	0.055	0.36	1110.15	0.000
L2	131.75 - 86.71 (2)	TP40.46x29.921x0.375	27.56	812.53	0.034	0.69	2767.88	0.000
L3	86.71 - 43.16 (3)	TP48.96x38.5229x0.4375	32.00	1147.98	0.028	0.07	4735.72	0.000
L4	43.16 - 0 (4)	TP57.25x46.668x0.5	36.09	1580.59	0.023	0.07	7855.36	0.000

Pole Interaction Design Data

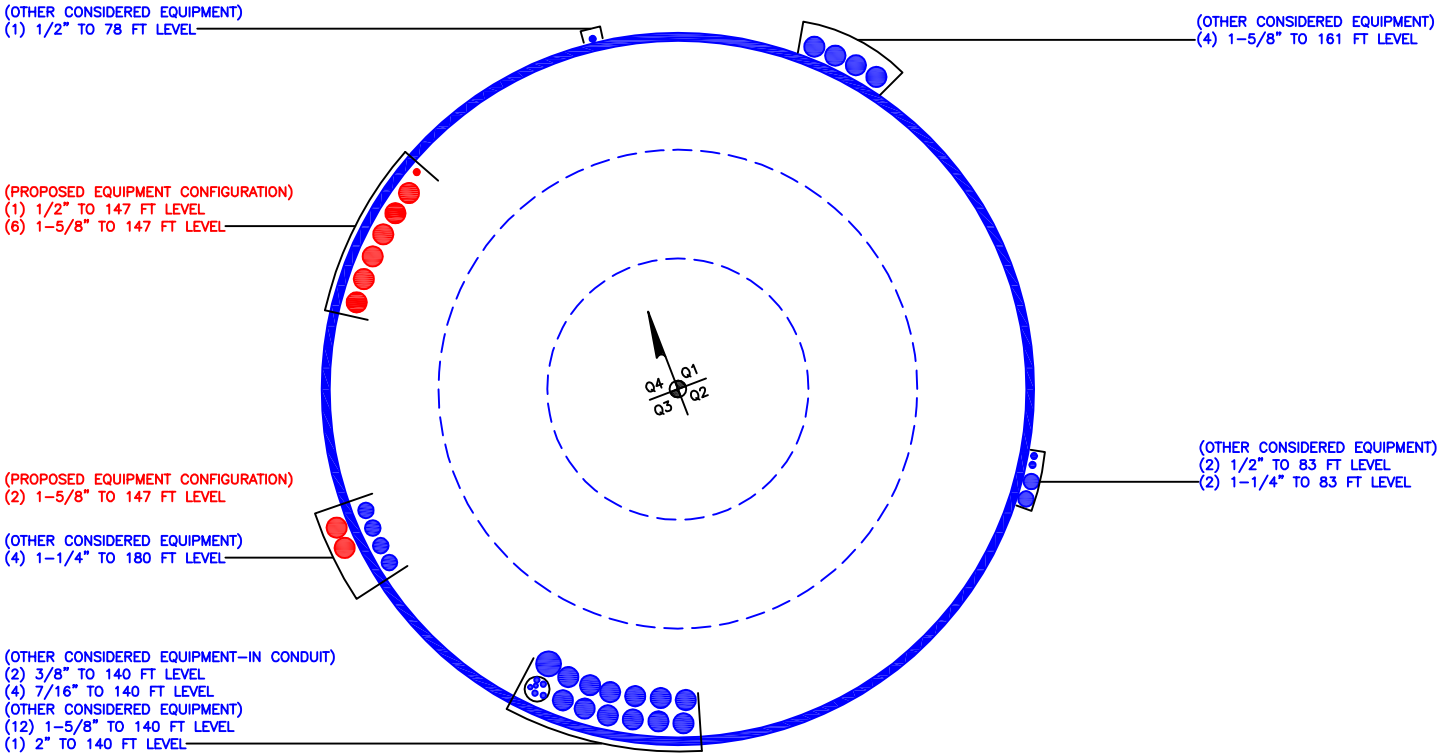
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	180 - 131.75 (1)	0.013	0.452	0.000	0.055	0.000	0.468	1.050	4.8.2
L2	131.75 - 86.71 (2)	0.010	0.589	0.000	0.034	0.000	0.600	1.050	4.8.2
L3	86.71 - 43.16 (3)	0.011	0.626	0.000	0.028	0.000	0.638	1.050	4.8.2
L4	43.16 - 0 (4)	0.012	0.612	0.000	0.023	0.000	0.625	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	180 - 131.75	Pole	TP31.39x21x0.25	1	-18.14	1470.56	44.6	Pass
L2	131.75 - 86.71	Pole	TP40.46x29.921x0.375	2	-28.24	2843.87	57.2	Pass
L3	86.71 - 43.16	Pole	TP48.96x38.5229x0.4375	3	-42.36	4017.93	60.8	Pass
L4	43.16 - 0	Pole	TP57.25x46.668x0.5	4	-63.89	5532.07	59.5	Pass
							Summary	
						Pole (L3)	60.8	Pass
						RATING =	**60.8**	**Pass**

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 876391 TOWER ID: C_BASELEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

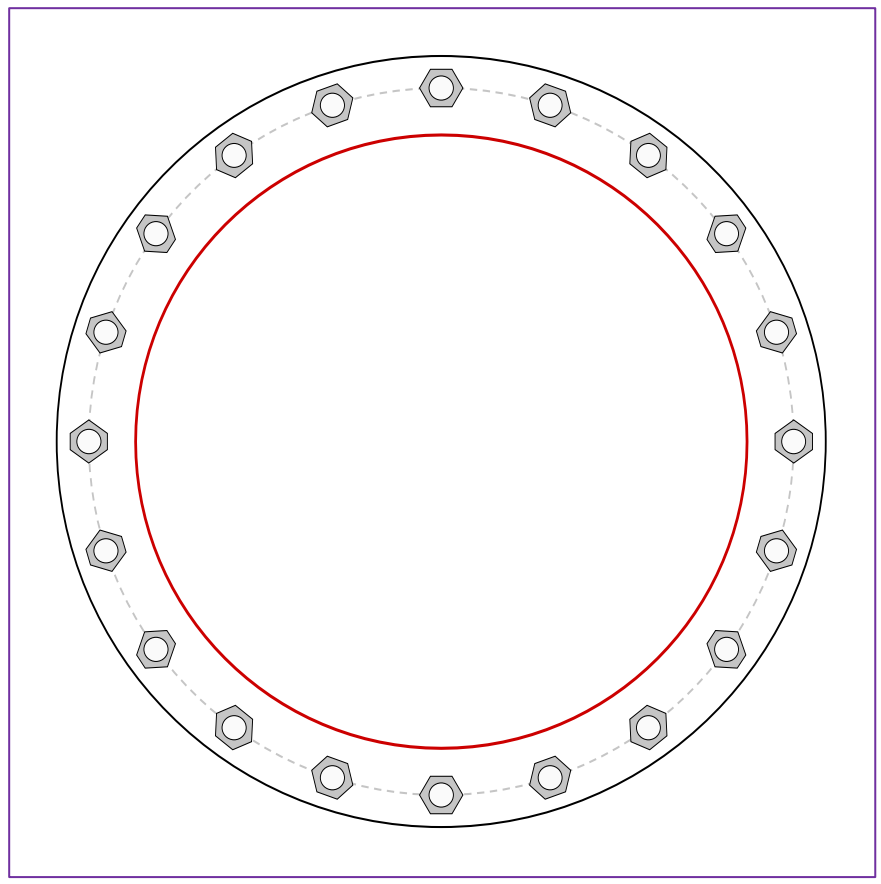
Monopole Base Plate Connection

Site Info	
BU #	876391
Site Name	Columbia / Deojay
Order #	654627 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	0.5

Applied Loads	
Moment (kip-ft)	4555.14
Axial Force (kips)	63.89
Shear Force (kips)	36.09

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(20) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 66" BC

Base Plate Data

72" OD x 2.25" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

N/A

Pole Data

57.25" x 0.5" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary *(units of kips, kip-in)*

Pu_t = 162.37	ϕPn_t = 243.75	**Stress Rating**
Vu = 1.8	ϕVn = 149.1	**63.4%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	39.1	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**69.0%**	**Pass**

Pier and Pad Foundation

BU # :	876391
Site Name:	Columbia / Deojay
App. Number:	654627 Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions

Compression, P_{comp}:	63.91	kips
Base Shear, Vu_comp:	36.04	kips
Moment, M_u:	4555.14	ft-kips
Tower Height, **H**:	180	ft
BP Dist. Above Fdn, bp_{dist}:	2.75	in

Pier Properties

Pier Shape:	Square	
Pier Diameter, **dpier**:	7	ft
Ext. Above Grade, **E**:	1	ft
Pier Rebar Size, **Sc**:	9	
Pier Rebar Quantity, **mc**:	39	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	6	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties

Depth, **D**:	7	ft
Pad Width, W_1:	26	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	9	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	35	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties

Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	4	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties

Total Soil Unit Weight, γ:	100	pcf
Ultimate Net Bearing, Qnet:	12.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N_{blows}:	20	
Base Friction, μ:		
Neglected Depth, **N**:	3.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	5	ft

<--Toggle between Gross and Net

Foundation Analysis Checks

	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	229.92	36.04	**14.9%**	**Pass**
Bearing Pressure (ksf)	9.43	2.87	**30.5%**	**Pass**
*Overturning (kip*ft)*	6489.78	4851.72	**74.8%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	6306.72	4735.34	**71.5%**	**Pass**
Pier Compression (kip)	31187.52	108.01	**0.3%**	**Pass**
*Pad Flexure (kip*ft)*	4775.11	2320.39	**46.3%**	**Pass**
Pad Shear - 1-way (kips)	926.68	335.54	**34.5%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.000	**0.0%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	5843.75	2841.20	**46.3%**	**Pass**

**Rating per TIA-222-H Section 15.5*

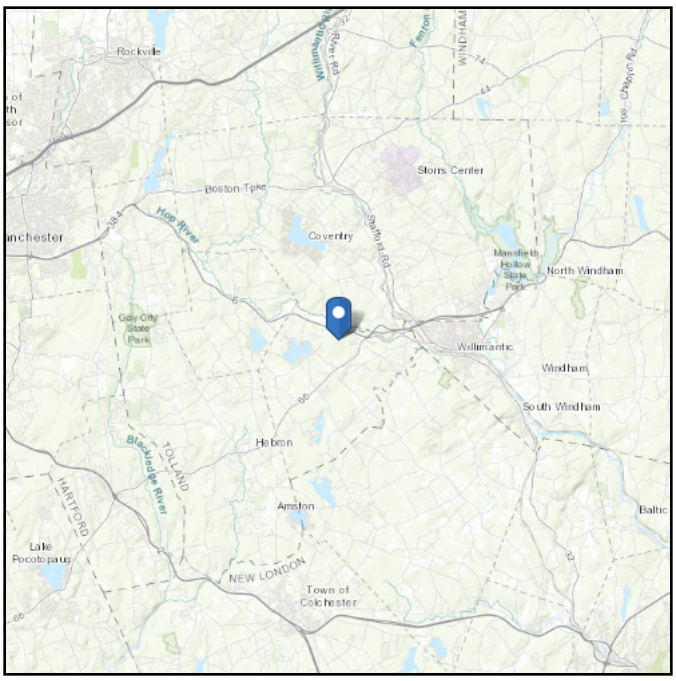
Structural Rating*:	**71.5%**
Soil Rating*:	**74.8%**

Version 4.1.1

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Latitude:**	41.717622
Risk Category:	II	**Longitude:**	-72.299747
Soil Class:	D - Default (see Section 11.4.3)	**Elevation:**	579.6003652302819 ft (NAVD 88)



Wind

Results:

Wind Speed	120 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	92 Vmph
100-year MRI	99 Vmph

Data Source:	ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed:	Thu Aug 03 2023

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Seismic

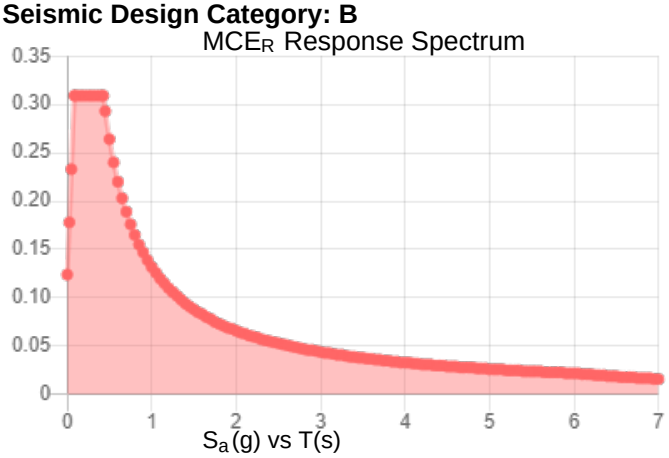
D - Default (see Section 11.4.3)

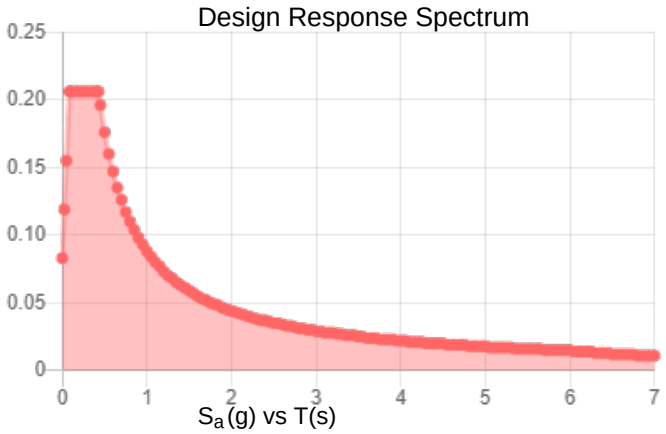
Site Soil Class:

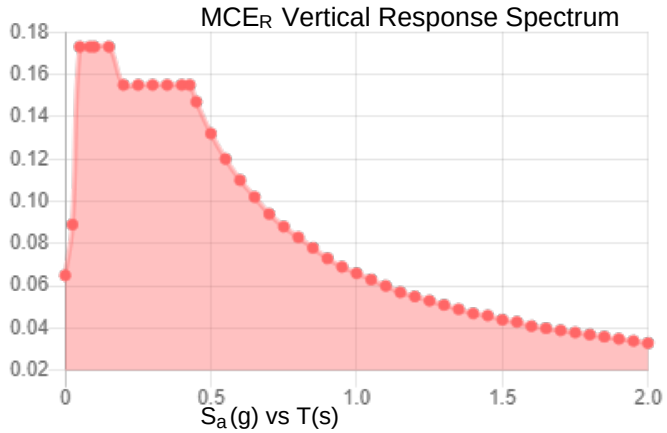
Results:

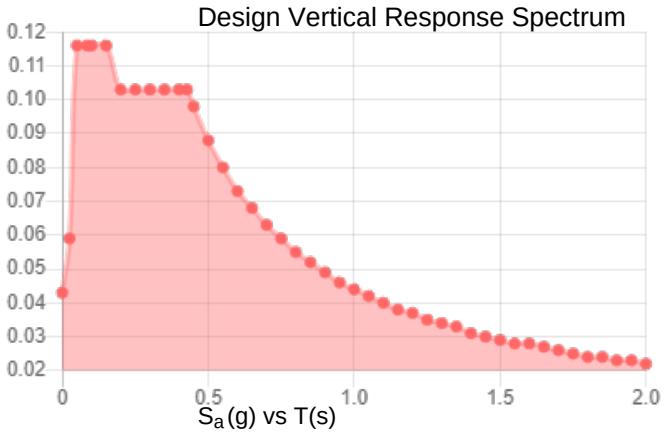
S_S :	0.193	S_{D1} :	0.088
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.105
F_v :	2.4	PGA_M :	0.167
S_{MS} :	0.309	F_{PGA} :	1.589
S_{M1} :	0.132	I_e :	1
S_{DS} :	0.206	C_v :	0.7

Seismic Design Category: B









Data Accessed: **Thu Aug 03 2023**

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Thu Aug 03 2023

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.