

November 1, 2023

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

RE: **Notice of Exempt Modification for Verizon**
Crown #829046_Crown_VZW
56 Norfield Road, Weston, CT 06883
Latitude: 41° 12' 8.40" / Longitude: -73° 22' 46.60"

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 56 Norfield Road, Weston, CT 06883. The property is owned by the Town of Weston and the tower is owned by Crown Castle. Verizon now intends to add eight (8) interference mitigation filters to be installed at the 153-foot level of the tower of the 190-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:

(8) Kaelus BSF0020F3V1-1 Twin Bandstop 900MHZ Interference Mitigation Filters

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 Weston's Planning and Zoning Commission on July 26, 1999. 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.S.A. § 16-50j-73, a copy of this letter is being sent to First Selectwoman Samantha Nestor and Zoning/Code Enforcement Officer James Pjura for the municipality and as property owner. Crown Castle is 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 Selectwoman Samantha Nestor, *Municipality & Property Owner*
Town of Weston
56 Norfield Road
Weston, CT 06883
203-222-2500

James Pjura, Zoning/CEO
Town of Weston
56 Norfield Road
Weston, CT 06883
203-222-2559

Crown Castle, *Tower Owner*

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

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

2899923

SIX HUNDRED TWENTY FIVE AND 00/100*****

DATE 09/29/23

\$*****625.00

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

2695915

Robert A. Cole VP. Asst. Controller
[Signature] Asst. Controller

VOID AFTER 180 DAYS

⑈ 2899923 ⑈ ⑆ 111000614 ⑆ 103410453 ⑈

Check No 2899923

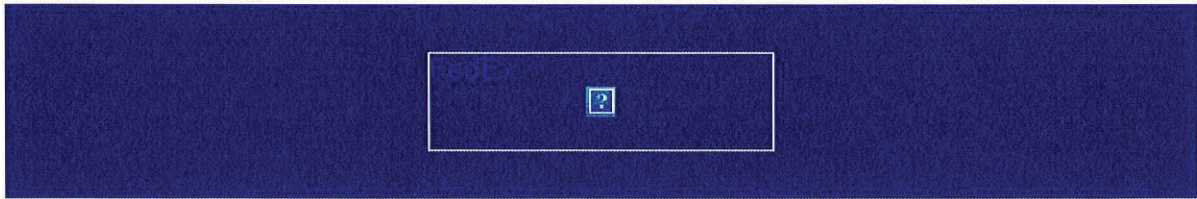
Check Date 09/29/23

Stub 1 of 1

CKRQ 829046 654637 CSC ZA	09/29/23	Invoice Summ	625.00	625.00
			<u>625.00</u>	<u>625.00</u>

From: TrackingUpdates@fedex.com
To: [Tatasciore, Domenica](#)
Subject: FedEx Shipment 773873021787: Your package has been delivered
Date: Tuesday, October 31, 2023 9:53:54 AM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.



Hi. Your package was
delivered Tue, 10/31/2023 at
9:46am.



Delivered to 56 NORFIELD RD, WESTON, CT 06883

[OBTAIN PROOF OF DELIVERY](#)

How was your delivery ?



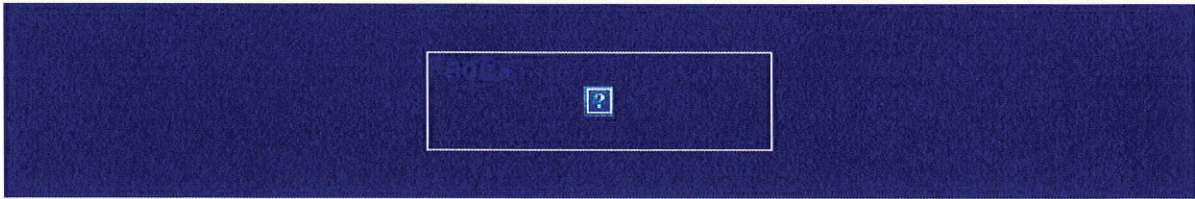
TRACKING NUMBER	773873021787
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	Town of Weston First Selectwoman Samantha Nestor 56 Norfield Road WESTON, CT, US, 06883
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 10/30/2023 06:01 PM
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	WESTON, CT, US, 06883
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

Make your deliveries fit your life

Don't want packages sitting on the porch? Enroll in FedEx Delivery Manager® to [request to redirect a package](#) to a FedEx location for free. You can also get a QR code to show to a team member for an even

From: TrackingUpdates@fedex.com
To: [Tatasciore, Domenica](#)
Subject: FedEx Shipment 773873039594: Your package has been delivered
Date: Tuesday, October 31, 2023 9:53:50 AM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.



Hi. Your package was
delivered Tue, 10/31/2023 at
9:46am.



Delivered to 56 NORFIELD RD, WESTON, CT 06883

[OBTAIN PROOF OF DELIVERY](#)

How was your delivery ?



TRACKING NUMBER	773873039594
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	Town of Weston James Pjura, Zoning/CEO 56 Norfield Road WESTON, CT, US, 06883
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 10/30/2023 06:01 PM
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	WESTON, CT, US, 06883
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

Make your deliveries fit your life

Don't want packages sitting on the porch? Enroll in FedEx Delivery Manager® to [request to redirect a package](#) to a FedEx location for free. You can also get a QR code to show to a team member for an even

000584

VOL 278 PG 0706

8-3-99
COW

TOWN of WESTON, CONNECTICUT



Incorporated 1787

Planning & Zoning Commission

8-24 Report

Town of Weston Omnipoint Communications Monopole Tower

At a regularly scheduled meeting of the Planning & Zoning Commission held on July 26, 1999, the Commission unanimously approved the plan presented by the First Selectman George Guidera and Town Administrator Roy Hill to service six communication companies plus the Town of Weston antennas for public safety and radio emergency equipment on a monopole tower, in accordance with letter dated July 1, 1999 and the standard lease agreement dated May 24, 1999, which will be modified to include maintenance of the building.

RECEIVED FOR RECORD AUG 23 19 99
* 10114A M ATTEST Carla A. [Signature]

8-24 REPORT: TOWN OF WESTON OMNIPOINT COMMUNICATION
MONOPOLE TOWER

First Selectman George Guidera presented an 8-24 Report for a communication monopole tower. Roy Hill, Town Administrator was also present. Mr. Guidera stated that the Town has been working on this project for almost 4 years to replace the existing emergency services radio tower located at the rear of the Town Hall complex. The existing tower is 20 plus years old and in need of replacement. There is noticeable deterioration of the cement base and several companies have described the tower as having lasted its useful life expectancy. The Town determined that the emergency services radio tower needed to be replaced and upgrading the need for better cellular phone service in Weston. The recommendation of the Communications Tower and Antenna Advisory Committee, it was decided to replace the existing emergency services radio tower with a 190 foot monopole tower in essentially the same as the current tower.

The Omnipoint Communications, Inc. will build this 190 foot monopole tower for the Town of Weston and pay \$72,000. rent per year. After construction the tower will be leased back to Omnipoint Communications. Besides the antennas for all radio's of the Weston Fire, EMS, Highway, and Police Departments, it will also have 6 cellular/PCS (personal communications services) carriers on board. In the agreement with Omnipoint, the Town of Weston has the top of the tower allocated for the emergency services radios as appropriate by radio frequency.

An equipment building will also have to be built next to the monopole tower to house the radio equipment for the police, fire and EMS, along with equipment for the six cellular/PCS carriers. The proposed building is a white brick, single story structure, approximately 77' by 23' in size.

Due to the placement of the existing underground utilities the most effective location for the new antenna is where the Police/Fire/EMS Fitness Center currently is. It is proposed that the fitness center be moved from its current location on the northeast corner of the of the firehouse to the northwest corner of the firehouse. This proposed tower will eliminate the tower planned at Timber Mill.

Mark Finely of Omnipoint introduced his staff and went over the tower in detail. He also stated that this 8-24 report is only for the tower at Town Hall and showed the coverage this tower would have for the Town.

8-24 REPORT: TOWER CONTINUED:

Questions from the Commission:

1. Will the tower need guy wires? The tower does not need guy wires. The architect from Omnipoint stated it is extremely safe and has to sustain winds of 100 miles per hour and is designed to crumple down into itself.
2. Address land use issues such as the parking at Town Hall and the possible loss of parking spaces for the utility building. Also the increased traffic for maintenance of the tower.
3. Questioned the use of the land on the other side of the Fire House for the location of the tower. The Town Engineer explained that this area contains a new drainage system and could not withstand the weight of a tower.
4. Omnipoint will install the utility building and the Town will pay for the equipment.
5. Questioned the construction details of the tower and concerned about icing on the platforms. Omnipoint stated that they had not had this problem.

The Commission requested that the utility building be staked for this site walk on July 17.

PUBLIC HEARING CONT: 2 LOT RESUB. 35 SALEM ROAD MITCHELL (BARR)

Mel Barr was present, representing the owner R. Mitchell. The Commissioners walked the site and expressed concern about saving the trees and also a better site line for the driveway as the vegetation is on Town land and needs to be removed. Also discussed possible conditions for the approval including horses on Salem Road during construction, and an updated letter from the Fire Marshal.

Don Saltzman moved that the Commission close the public hearing. Seconded by Michael Widland. Vote in favor (7-0).

PUBLIC HEARING CONT: OLIVE PHILLIPS CALVIN ROAD 4 LOT SUB. (ROMANO)

Peter Romano of Richard Bennett Associates was present for the applicant. Mr. Romano and the Commission discussed the site walk and that the parcel they saw with the foundation is not a lot that is included in the subdivision. Also a discussion followed about the access to this lot which is off the subdivision road "Quail Road". The question arose as to why this lot is not part of the subdivision. Mr. Romano stated that they received a site specific approval from Conservation for this lot. Michael Widland was concerned about two curb cuts onto Georgetown Road and a discussion about the site lines and safety of the access to Georgetown Road. The Chairman requested that the applicant incorporate the adjacent 2 acre lot into the subdivision. Peter Romano agreed to submit a new map and also walk this thru with the Conservation officer as it was included in the subdivision when it was approved by Conservation.

8-24 REPORT CONT: TOWN OF WESTON OMNIPOINT COMMUNICATIONS
MONOPOLE TOWER

First Selectman George Guidera, Town Administrator Roy Hill and members of Omnipoint Communications were present. The Commissioners walked the site and had the following concerns:

Don Saltzman looked at other potential locations and feels that the proposed location is the best location. Also concerned about ice buildup on 6 platforms and asked if there was a way to heat the platforms? The Omnipoint representative stated they have no technology for this and to his knowledge they have never had a problem. He felt the ground space around the tower is enough are to catch any ice. A discussion then followed regarding insurance and if the Town is covered. George Guidera stated that the Town has its own insurance and feels the Town is adequately protected. Mr. Saltzman was also concerned about having it in writing that the towers will be at Town Hall and possibly at the Landfill and not at Timbermill. A discussion followed regarding the 6 carriers on one pole.

Michael Widland clarified that the Commission is only dealing with this tower at Town Hall. Marguerite Terzian is concerned about service trucks regarding safety in the Town Hall parking lot and had considered some other location. Ms. Terzian then read the following letter from the Fire Chief, dated 7/20/99:

"I was chairman of the original tower fact-finding committee comprised of representatives from the police department, communications center, fire department, EMS, and the town engineer. When Selectman Guidera appointed a Town Tower Committee I forwarded our findings and became a member of that committee. Many hours have been spent examining in detail all feasible options for a tower location. The area behind the Communications Center is best for a number of short and long term reasons. The further away the tower is from the Communications Center, the greater the potential for problems. The Town Hall building will help screen the tower. When the Communications center expands it will have room to do so back toward the school. Locating the tower and radio building to the west side of the firehouse will make future expansion of Norfield Station impossible. At a minimum I anticipate the need for an aerial ladder truck which will require an additional bay. Parking for volunteers responding during the week is becoming very scarce. Taking space from Station 1's west side will only compound a growing problem. When a firefighter dormitory is added it will have to be at ground level, With no room on the west side the only option would be to build north into the school playing fields. It's highly unlikely the Board of Ed would approve. Marguerite, I cannot emphasize too strongly that the tower will help save lives and property by providing the emergency services the required antenna height for uninterrupted communications. It will also give residents access to emergency services while on the roads, in the woods, or at their homes when conventional telephones are

8-24 REPORT TOWER CONTINUED:

unavailable or out of service. The increasing portability of cellular phones will make 24 hour a day, anywhere in Weston emergency help a reality, particularly for the elderly, infirm and handicapped. Finally, we anticipate mobile computer data exchange in our emergency vehicles for transferring vital statistics to and from the field. We have been working on this very important project for years and are available to you for help and to answer any questions". Ms. Terzian stated that this letter convinced me that the other side of the Fire House was important to the Fire Department.

Town Engineer John Conte showed a map and went over in detail the drainage implications on the other side of the Fire House.

Don Saltzman suggested Omnipoint coordinate their installation with the trench wiring for the Technology Plan for Town Hall.

Michael Widland asked if the lease been amended? The Town Administrator stated it covers at least four and Mr. Widland wants to make sure there are six carriers.

There was a discussion regarding the block house and maintenance and that it is part of Omnipoint's responsibility. The Commission expressed concern about traffic involved for the maintenance and the Town Hall parking and to consider proper signage for same. It was noted by the Town Engineer that there will no loss of parking spaces for the construction of the block house.

Don Saltzman moved that the Commission approve the plan presented by the First Selectman George Guidera and Town Administrator Roy Hill to service six communication companies plus the Town of Weston antennas for public safety and radio emergency equipment on a monopole tower, in accordance with letter dated July 1, 1999 and the standard lease agreement dated May 24, 1999, which will be modified to include maintenance of the building. Seconded by Michael Widland. Vote in favor (6-0). Paul Schultz absent.

PUBLIC HEARING CONT: OLIVE PHILLIPS CALVIN ROAD 4 LOT SUB.
(ROMANO)

This application was withdrawn.

PUBLIC HEARING CONT: SPECIAL PERMIT APARTMENT 7 NIMROD FARM
(MATTERA)

This application was withdrawn



Town of Weston, CT

Property Listing Report

Map Block Lot 22 6 28+31
Developer Map 569A,569B,3471

Unique Identifier E00116
Developer Lot

Building # 1

Property Information

Property Location	56 NORFIELD ROAD
Mailing Address	56 NORFIELD RRD WESTON CT 06883
Land Use	Governmental Building
Zoning Code	C
Neighborhood	C100

Valuation Summary

(Assessed value = 70% of Appraised Value)

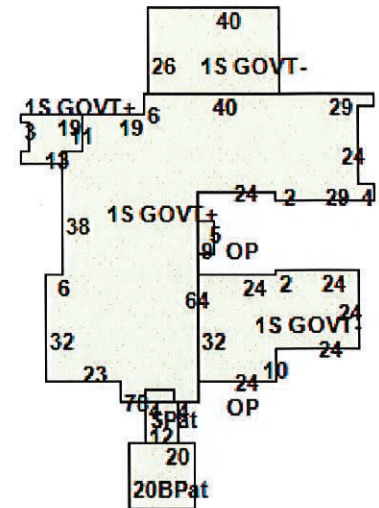
Item	Appraised	Assessed
Buildings	4401064	3080740
Outbuildings	280222	196160
Land	0	0
Total	4681286	3276900



Owner	TOWN OF WESTON
Co-Owner	TOWN HALL & FIRE STATION
Book / Page	42/ 272
Land Class	Use Assessment
Census Tract	83360
Acreage	0

Building Area Info - sq/ft

Living	7858
Basement	0
Finished Basement	0
Fin Bsmt Quality	



Primary Construction Details

Year Built	1956
Building Desc.	Commercial
Building Style	
Stories	1
Exterior Walls	Wood Frame
Exterior Walls 2	Wood Frame
Interior Walls	Drywall
Interior Walls 2	Drywall
Interior Floors 1	Carpet
Interior Floors 2	Carpet

Heating Fuel	Natural Gas
Heating Type	Hot Water
AC Type	Central
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	
Occupancy	0

Building Use	Governmental
Building Condition	Very Good
Frame Type	C
Fireplaces	0
Bsmt Gar	0
Bsmt Access	
Building Grade	100
Roof Style	Gable
Roof Cover	Slate

Report Created On 9/27/2023



Town of Weston, CT

Property Listing Report

Map Block Lot 22 6 28+31
Developer Map 569A,569B,3471

Unique Identifier E00116

Developer Lot

Building # 1

Detached Outbuildings

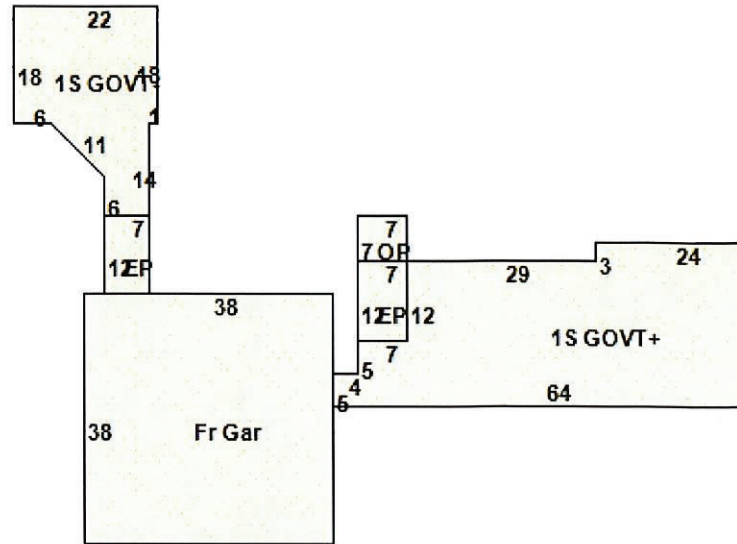
Type	Description	Area (sq ft)	Condition	Year Built
Outside	Gazebo	100	Average	2008
Paving	Paving	25600	Excellent	2008
Paving	Paving	9600	Excellent	2008
Accessory Bldgs	Studio Office	768	Excellent	2008
Other	Lights in W/PL	7	Excellent	2008
Accessory Bldgs	Work Shop Avg	240	Excellent	2008
Poles	Light Poles 2	1	Excellent	2008

Attached Extra Features

Type	Description	Area (sq ft)	Condition	Year Built
Porch	Open	45	Good	1956
Patio	Stone Patio	120	Good	1956
Patio	Brick	400	Good	1956
Porch	Open	32	Good	1956

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
TOWN OF WESTON	42_ 272	12/21/1948	23500



Primary Construction Details

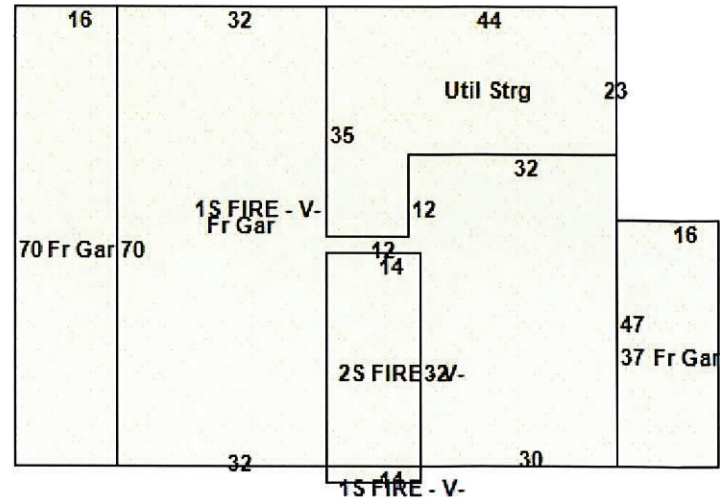
Year Built	1956
Building Desc.	Governmental Building
Building Style	
Stories	1
Exterior Walls	Wood Frame
Exterior Walls 2	Wood Frame
Interior Walls	Drywall
Interior Walls 2	Drywall
Interior Floors 1	Linoleum
Interior Floors 2	Linoleum

Heating Fuel	Natural Gas
Heating Type	Forced Hot Air
AC Type	Central
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	
Occupancy	0

Building Use	Commercial
Building Condition	Very Good
Frame Type	C
Fireplaces	0
Bsmt Gar	0
Fin Bsmt Area	0
Fin Bsmt Quality	
Building Grade	100
Roof Style	Gable
Roof Cover	Slate

Attached Extra Features

Type	Description	Area (sq ft)	Condition	Year Built
Porch	Open	49	Average	1956
Porch	Enclosed	84	Average	1956
Porch	Enclosed	84	Average	1956
Garage	Frame	1444	Average	1956



Primary Construction Details

Year Built	1956
Building Desc.	Fire Station - Volunteer
Building Style	
Stories	2
Exterior Walls	Wood Frame
Exterior Walls 2	Wood Frame
Interior Walls	Other
Interior Walls 2	Other
Interior Floors 1	Linoleum
Interior Floors 2	Linoleum

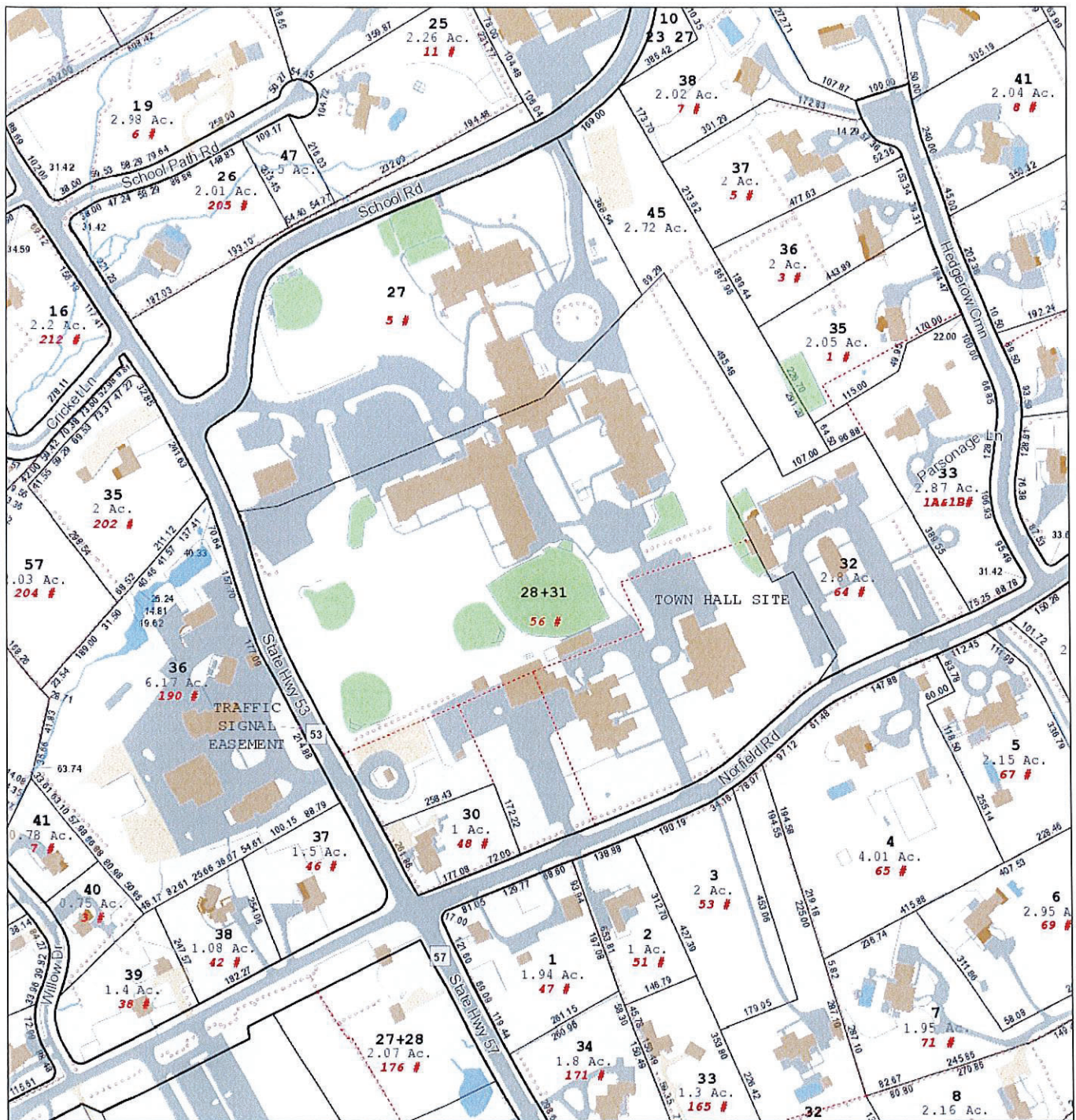
Heating Fuel	Natural Gas
Heating Type	Hot Water
AC Type	Central
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	
Occupancy	0

Building Use	Commercial
Building Condition	Very Good
Frame Type	C
Fireplaces	0
Bsmt Gar	0
Fin Bsmt Area	0
Fin Bsmt Quality	
Building Grade	100
Roof Style	HIP
Roof Cover	Asphalt

Attached Extra Features

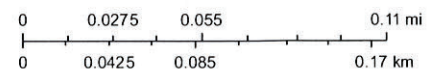
Type	Description	Area (sq ft)	Condition	Year Built
Garage	Frame	1120	Fair	1956
Garage	Frame	592	Fair	1956
Utility	Storage	1156	Fair	1956
Garage	Frame	3716	Fair	1956

Town of Weston, CT



September 27, 2023

1:2,400



196 FT 11 IN TIP OF EQUIPMENT

8'-11"

198'-5" (AGL)

190'-0"

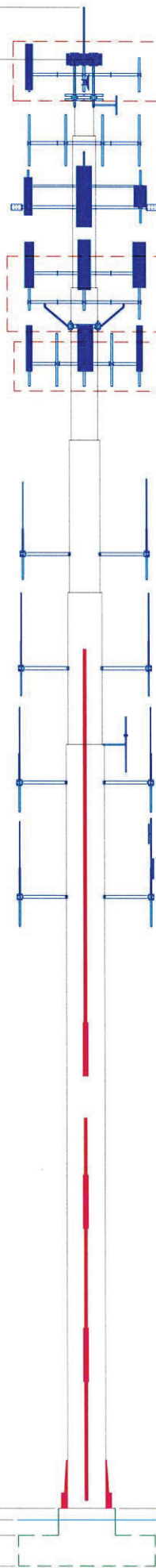
MODIFICATION
DOC ID 3501440

MODIFICATION
DOC ID 3667108

1'-6"
(FND)

2'-0"

4'-0"



- 188 FT LEVEL (PROPOSED)
REF. DWG. 829046_A_188_I&_P TOWN UNKNOWN SPRINT PCS
- 185 FT LEVEL
REF. DWG. 829046_A_185_I SPRINT PCS
- 184 FT LEVEL
REF. DWG. 829046_A_184_I UNKNOWN
- 179 FT LEVEL
REF. DWG. 829046_A_179_I WESTON CT, TOWN OF
- 172 FT LEVEL
REF. DWG. 829046_A_172_I WESTON CT, TOWN OF T-MOBILE

- 160 FT LEVEL (PROPOSED)
REF. DWG. 829046_A_160_I&_P AT&T MOBILITY

- 150 FT LEVEL (PROPOSED)
REF. DWG. 829046_A_150_I&_P VERIZON WIRELESS

- 125 FT LEVEL
REF. DWG. 829046_A_125_I WESTON CT, TOWN OF

- 110 FT LEVEL
REF. DWG. 829046_A_110_I WESTON CT, TOWN OF

- 100 FT LEVEL
REF. DWG. 829046_A_100_I WESTON CT, TOWN OF

- 95 FT LEVEL
REF. DWG. 829046_A_95_I WESTON CT, TOWN OF

- 80 FT LEVEL
REF. DWG. 829046_A_80_I WESTON CT, TOWN OF

BOTTOM OF LOWER STEEL
BASE PLATE ELEV 0'-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



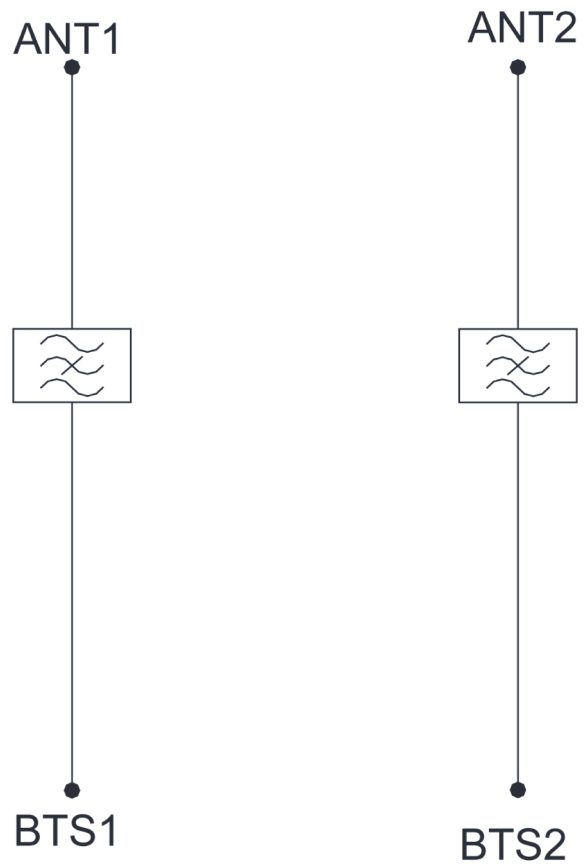
TECHNICAL SPECIFICATIONS

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	-20°C to +60°C -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.	

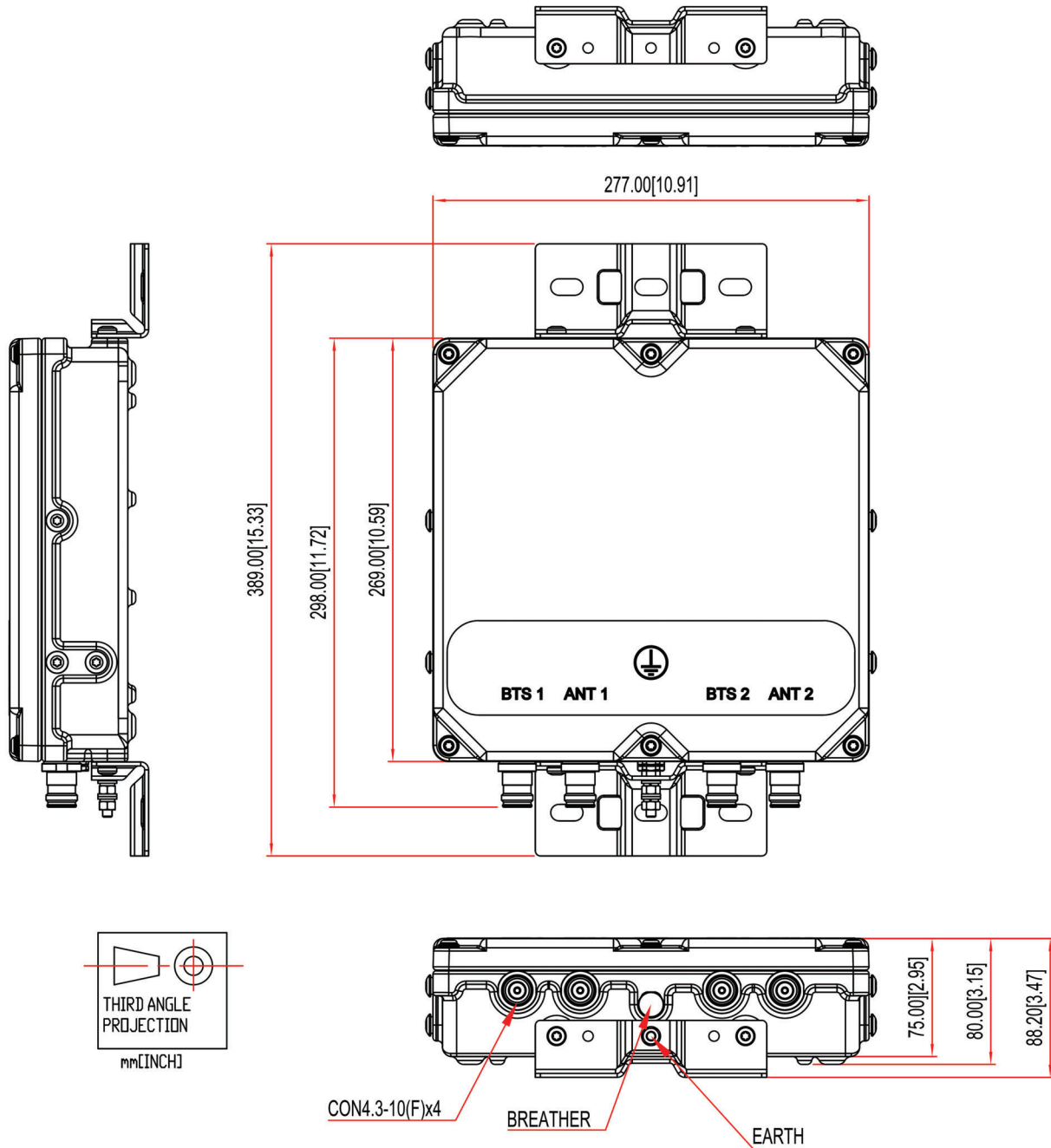
ORDERING INFORMATION

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)

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM





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

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10206434
Colliers Engineering & Design CT, P.C. Project #: 23777085 (Rev. 1)

July 10, 2023

Site Information

Site ID: 5000385141-VZW / WESTON CT
Site Name: WESTON CT
Carrier Name: Verizon Wireless
Address: 56 Norfield Road
Weston, Connecticut 06883
Fairfield County
Latitude: 41.202219°
Longitude: -73.378889°

Structure Information

Tower Type: 190-Ft Monopole
Mount Type: 13.75-Ft Platform

FUZE ID # 17123720

Analysis Results

Platform: 50.7% Pass*

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

***Contractor PMI Requirements:

Included at the end of this MA report

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

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

Report Prepared By: Frank Centone



Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS, Site ID: 325120, dated September 16, 2021
Desktop Mount Mapping Form	Colliers Engineering & Design CT, P.C., Project #: 21781023, dated June 4, 2021
Post-Modification Inspection Report	Colliers Engineering & Design CT, P.C., Project #: 21781023, dated May 4, 2023
Filter Add Scope	Provided by Verizon Wireless

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} : 120 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: B Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.988
Seismic Parameters:	S_S : 0.233 g S_1 : 0.056g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Load, L_v : 250 lbs. Maintenance Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
152.00	153.00	12	JMA Wireless	MX06FRO640-02	Retained
		3	Samsung	XXDWMM-12.5-65-8T-CBRS	
		3	Samsung	MT6407-77A	
		3	Commscope	TD-850B-LTE78-43	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	DB-C1-12C-24AB-0Z*	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		8	KAelus	BSF0020F3V1-1	Added

* Equipment is flush mounted directly to the Monopole. They are not mounted on the platform mount and are not included in this mount analysis.

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 CT, P.C. and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design CT, P.C. to verify deviation will not adversely impact the analysis.
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 CT, P.C. is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - Channel, Solid Round, Angle, Plate 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

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

Analysis Results:

Component	Utilization %	Pass/Fail
<i>HSS Standoff</i>	18.8 %	<i>Pass</i>
<i>Standoff Plate</i>	27.0 %	<i>Pass</i>
<i>Face Horizontal</i>	16.1 %	<i>Pass</i>
<i>Cross Bracing Angle</i>	50.7 %	<i>Pass</i>
<i>Standoff Welded</i>	7.4 %	<i>Pass</i>
<i>Antenna Pipe</i>	41.9 %	<i>Pass</i>
<i>Grating Angle Brace</i>	5.8 %	<i>Pass</i>
<i>Mod Support Rail</i>	26.4 %	<i>Pass</i>
<i>Mod Support Rail Corner</i>	25.9 %	<i>Pass</i>
<i>Mod V bracing kit</i>	17.0 %	<i>Pass</i>
<i>Connection Check</i>	34.1 %	<i>Pass</i>

Structure Rating – (Controlling Utilization of all Components)	50.7%
---	--------------

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	36.9	36.9	52.9	52.9
0.5	49.2	49.2	71.9	71.8
1	60.3	60.3	89.8	89.8

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

Contractor shall record all dimensions and member sizes requested in the Mount Geometry Verification Requirements section of the Mount Analysis report. Contractor shall provide the requested information to Colliers Engineering & Design CT, P.C. for structural verification while on site. Contact EOR if these documents are not available to the general contractor.

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

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

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

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

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

MDG #: 5000385141

SMART Project #: 10206434

Fuze Project ID:

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

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

Base Requirements:

- If installation will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide “as built mount drawings” showing contractor’s name, contact information, preparer’s signature, and date. Any deviations from the drawings (Proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: <https://pmi.vzwsmart.com>

Photo Requirements:

- *Photos taken at ground level*
 - Photo of Gate Signs showing the tower owner, site name, and number.
 - Overall tower structure after installation.
 - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- *Photos taken at Mount Elevation*
 - Photos showing the safety climb wire rope above and below the mount prior to installation.
 - Photos showing the climbing facility and safety climb if present.

- Photos showing each individual sector after installation. Each entire sector shall be in one photo to show the interconnection of members.
 - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.

☐ 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.

Special Instructions / Validation as required from the MA or any other information the contractor deems necessary to share that was identified:

Issue:

Contractor shall record all dimensions and member sizes requested in the Mount Geometry Verification Requirements section of the Mount Analysis report. Contractor shall provide the requested information to Colliers Engineering & Design CT, P.C. for structural verification while on site. Contact EOR if these documents are not available to the general contractor.

Response:

Special Instruction Confirmation:

- ☐ The contractor has read and acknowledges the above special instructions.
- ☐ All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.
- ☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.

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.

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

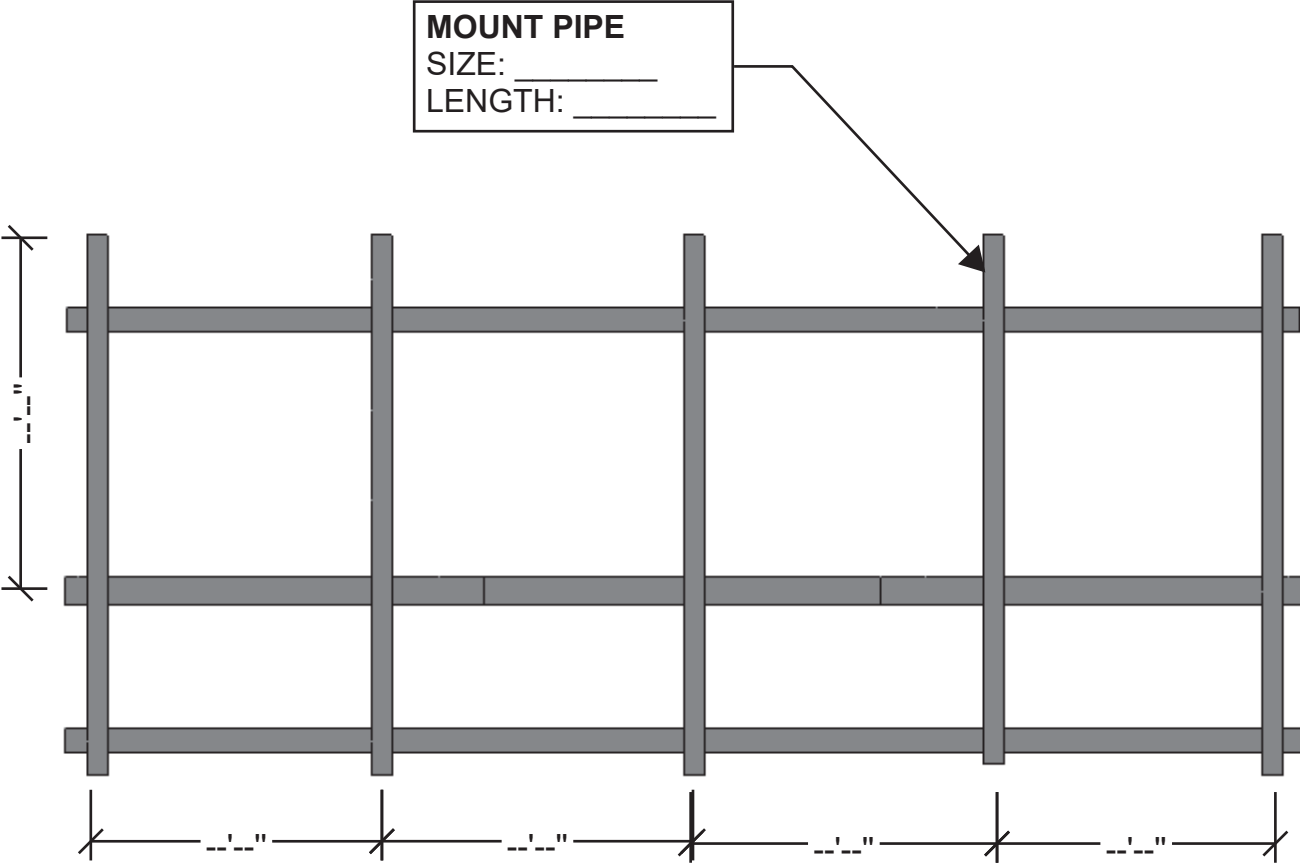
Contractor to certify the condition of the safety climb and verify no damage when leaving the site:

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Certifying Individual:

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

MOUNT GEOMETRY VERIFICATION

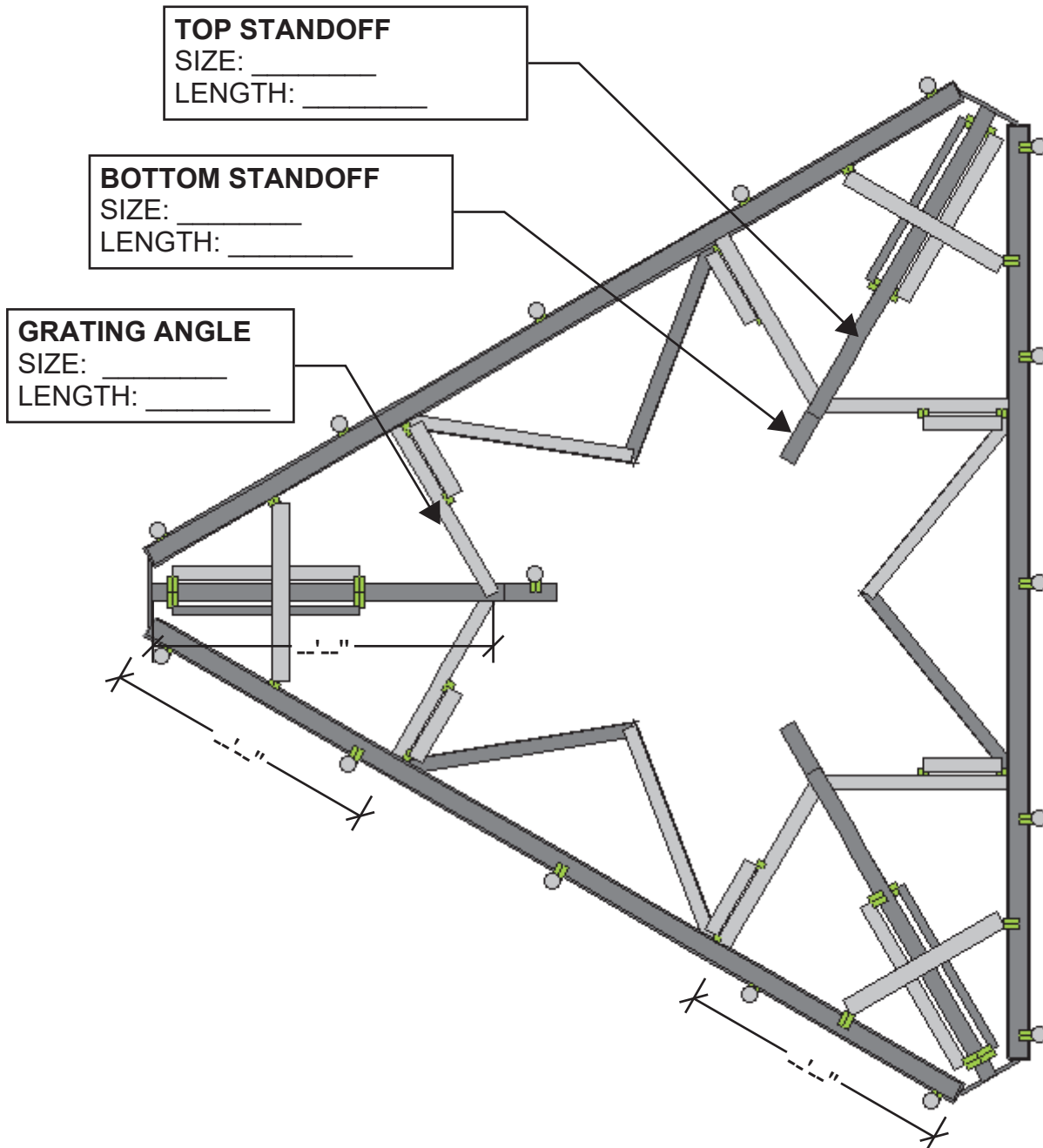


MOUNT FRONT ELEVATION VIEW (TYP. ALL SECTORS)

N.T.S.

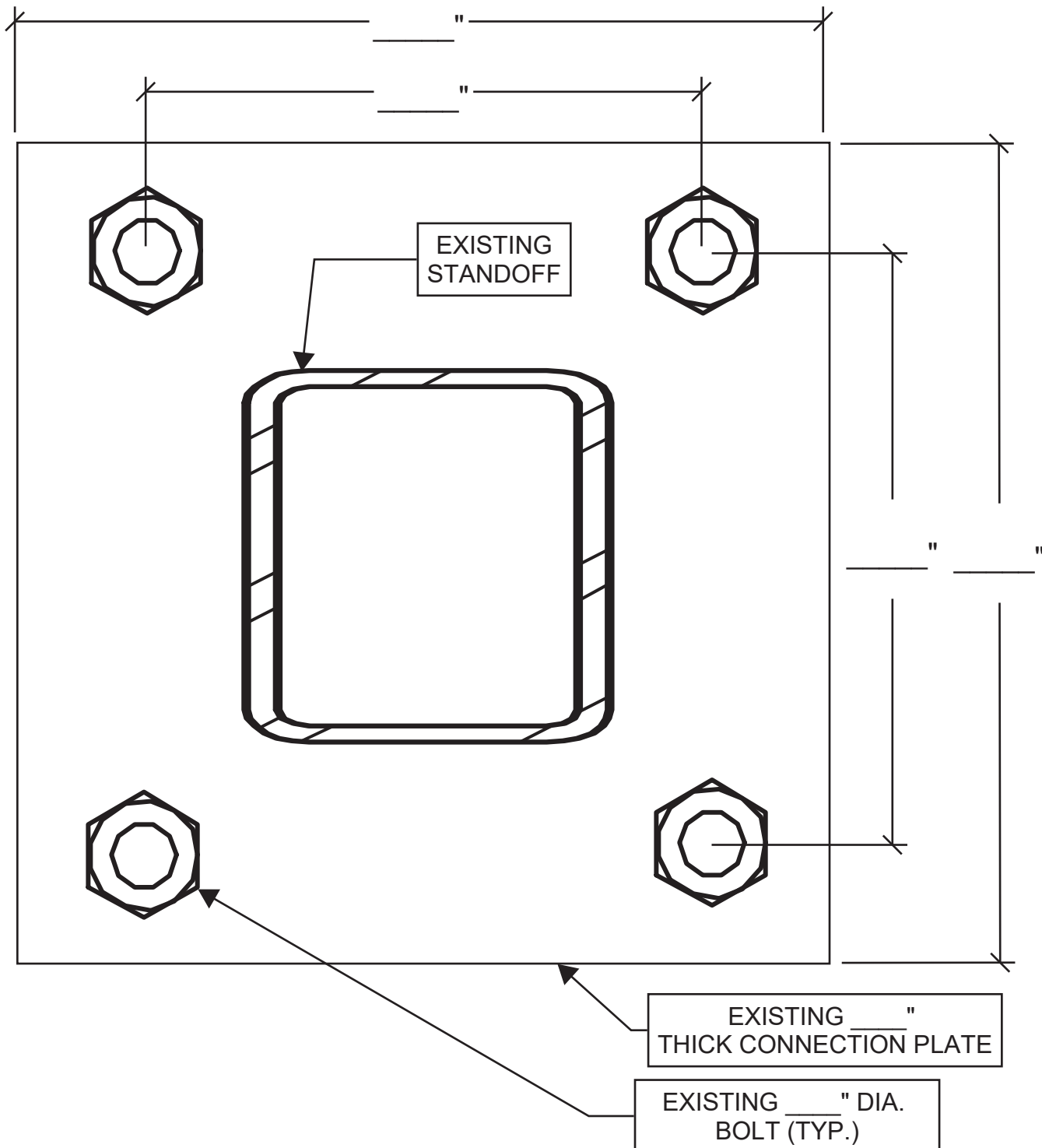
CONTRACTOR SHALL MEASURE ALL DIMENSIONS AND MEMBER SIZES REQUESTED ON THIS SKETCH. RECORD VIA PHOTOS AND MARKUPS ON THIS PAGE. PROVIDE PHOTOS AND MARKED-UP SKETCH TO THE EOR FOR EVALUATION.

MOUNT GEOMETRY VERIFICATION



CONTRACTOR SHALL MEASURE ALL DIMENSIONS AND MEMBER SIZES REQUESTED ON THIS SKETCH. RECORD VIA PHOTOS AND MARKUPS ON THIS PAGE. PROVIDE PHOTOS AND MARKED-UP SKETCH TO THE EOR FOR EVALUATION.

MOUNT GEOMETRY VERIFICATION



CONNECTION GEOMETRY (TYP. ALL SECTORS)

N.T.S.

CONTRACTOR SHALL MEASURE ALL DIMENSIONS AND MEMBER SIZES REQUESTED ON THIS SKETCH. RECORD VIA PHOTOS AND MARKUPS ON THIS PAGE. PROVIDE PHOTOS AND MARKED-UP SKETCH TO THE EOR FOR EVALUATION.

Sector: A

7/10/2023

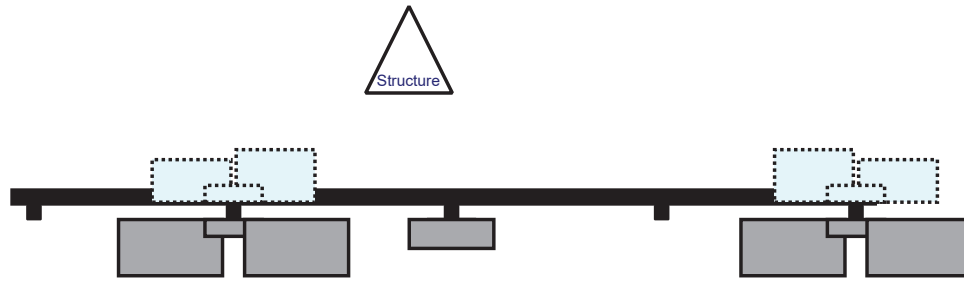
Structure Type: Monopole

10206434

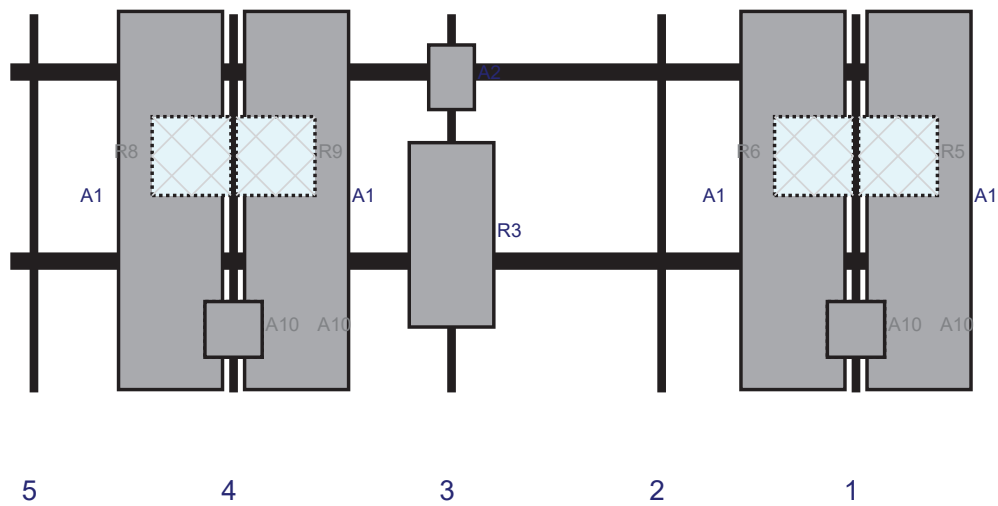
Mount Elev: 152.00

Page: 1

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	MX06FRO640-02	72	19.8	161	1	a	Front	35.46	12	Retained	04/18/2023
A1	MX06FRO640-02	72	19.8	161	1	b	Front	35.46	-12	Retained	04/18/2023
R5	B5/B13 RRH-BR04C	15	15	161	1	a	Behind	27	8	Retained	04/18/2023
R6	B2/B66A RRH-BR049	15	15	161	1	a	Behind	27	-8	Retained	04/18/2023
A10	BSF0020F3V1-1	10.6	10.9	161	1	a	Behind	60	0	Added	
A10	BSF0020F3V1-1	10.6	10.9	161	1	b	Front	60	0	Added	
A2	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	84	3	a	Front	12	0	Retained	04/18/2023
R3	MT6407-77A	35.1	16.1	84	3	a	Front	42	0	Retained	04/18/2023
A1	MX06FRO640-02	72	19.8	42.5	4	a	Front	35.46	12	Retained	04/18/2023
A1	MX06FRO640-02	72	19.8	42.5	4	b	Front	35.46	-12	Retained	04/18/2023
R8	B5/B13 RRH-BR04C	15	15	42.5	4	a	Behind	27	-8	Retained	04/18/2023
R9	B2/B66A RRH-BR049	15	15	42.5	4	a	Behind	27	8	Retained	04/18/2023
A10	BSF0020F3V1-1	10.6	10.9	42.5	4	a	Behind	60	0	Added	
A10	BSF0020F3V1-1	10.6	10.9	42.5	4	b	Front	60	0	Added	

Sector: **B**

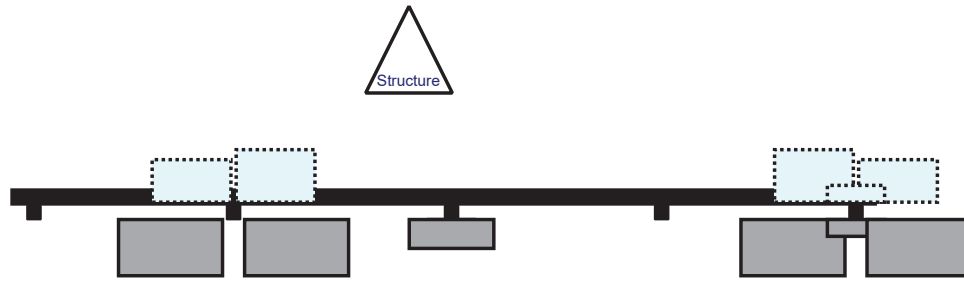
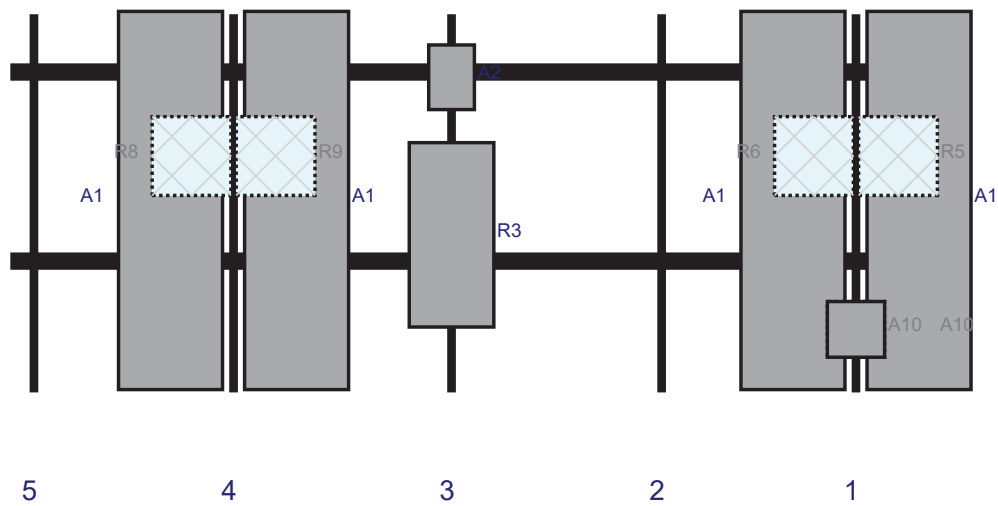
7/10/2023

Structure Type: Monopole

10206434

Mount Elev: 152.00

Page: 2

Plan View**Front View - Looking at Structure**

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	MX06FRO640-02	72	19.8	161	1	a	Front	35.46	12	Retained	04/18/2023
A1	MX06FRO640-02	72	19.8	161	1	b	Front	35.46	-12	Retained	04/18/2023
R5	B5/B13 RRH-BR04C	15	15	161	1	a	Behind	27	8	Retained	04/18/2023
R6	B2/B66A RRH-BR049	15	15	161	1	a	Behind	27	-8	Retained	04/18/2023
A10	BSF0020F3V1-1	10.6	10.9	161	1	a	Behind	60	0	Added	
A10	BSF0020F3V1-1	10.6	10.9	161	1	b	Front	60	0	Added	
A2	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	84	3	a	Front	12	0	Retained	04/18/2023
R3	MT6407-77A	35.1	16.1	84	3	a	Front	42	0	Retained	04/18/2023
A1	MX06FRO640-02	72	19.8	42.5	4	a	Front	35.46	12	Retained	04/18/2023
A1	MX06FRO640-02	72	19.8	42.5	4	b	Front	35.46	-12	Retained	04/18/2023
R8	B5/B13 RRH-BR04C	15	15	42.5	4	a	Behind	27	-8	Retained	04/18/2023
R9	B2/B66A RRH-BR049	15	15	42.5	4	a	Behind	27	8	Retained	04/18/2023

Sector: C

7/10/2023

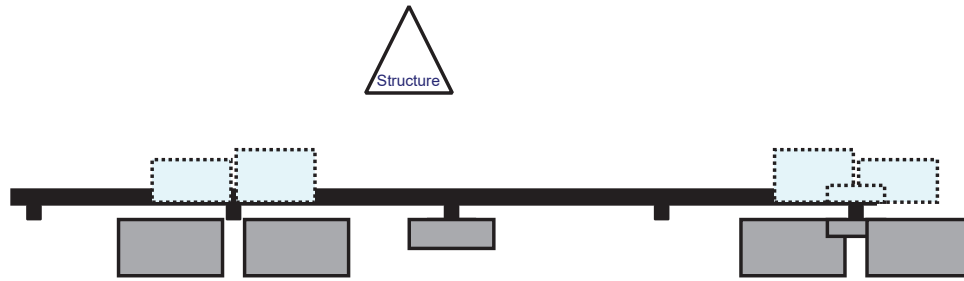
Structure Type: Monopole

10206434

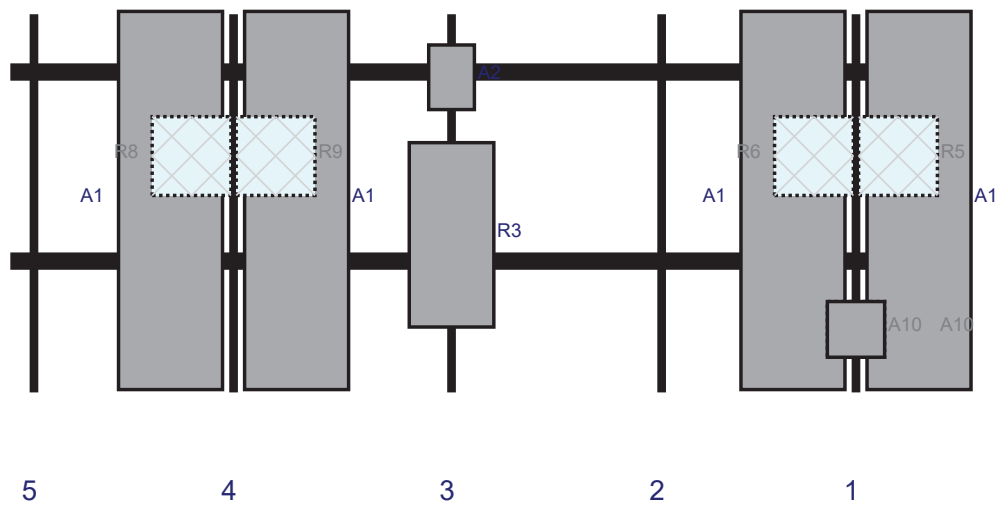
Mount Elev: 152.00

Page: 3

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	MX06FRO640-02	72	19.8	161	1	a	Front	35.46	12	Retained	04/18/2023
A1	MX06FRO640-02	72	19.8	161	1	b	Front	35.46	-12	Retained	04/18/2023
R5	B5/B13 RRH-BR04C	15	15	161	1	a	Behind	27	8	Retained	04/18/2023
R6	B2/B66A RRH-BR049	15	15	161	1	a	Behind	27	-8	Retained	04/18/2023
A10	BSF0020F3V1-1	10.6	10.9	161	1	a	Behind	60	0	Added	
A10	BSF0020F3V1-1	10.6	10.9	161	1	b	Front	60	0	Added	
A2	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	84	3	a	Front	12	0	Retained	04/18/2023
R3	MT6407-77A	35.1	16.1	84	3	a	Front	42	0	Retained	04/18/2023
A1	MX06FRO640-02	72	19.8	42.5	4	a	Front	35.46	12	Retained	04/18/2023
A1	MX06FRO640-02	72	19.8	42.5	4	b	Front	35.46	-12	Retained	04/18/2023
R8	B5/B13 RRH-BR04C	15	15	42.5	4	a	Behind	27	-8	Retained	04/18/2023
R9	B2/B66A RRH-BR049	15	15	42.5	4	a	Behind	27	8	Retained	04/18/2023



Colliers Engineering & Design		Desktop Mount Mapping Form			
Site Name:	WESTON CT	Tower Type:	Monopole		
Site ID:		Tower Owner:			
PSLC:	468910	Tower Height (Ft.):	190		
Customer:	Verizon Wireless	Mount Elevation (Ft.):	153		
Colliers Project No.	21781023	Date:	6/4/2021		

The information contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of Colliers Engineering & Design.

Document Type	Provided? (Yes/No)	Source Name	Project No.	Dated	Comments/Remarks
Previous Mount Mapping	No				
Previous Mapping Photos	No				
Previous Mount Analysis	Yes	Weston_CT_MountSA_20190715	194467.14	7/15/2019	Provided and is a primary source of information for MA.
Previous Mount Modifications	No				
Previous Structural Analysis	Yes	Weston CT - SA Passing 09.28.16	37516-0710.003.7805	9/28/2016	Provided and is a secondary source of information for MA.
Construction Drawings	Yes	Weston_CT_FinalCDs_20191029	ERCC0004	10/29/2019	Provided and is a primary source of information for MA.
Closeout Package	Yes	Weston CT Closeout			
Closeout Photos	Yes	4 Pictures			
Handover Package	No				
New Build 445 Documentation	No				
Other	No				
Previous PMI	No				

The **desktop mount mapping** is based on the engineering review of the available site documents in FUZE, as listed above, in place of a full mount mapping. It is assumed that the information provided in the documents listed above, provide an accurate representation of the existing mount. EOR reserves the right and will typically require additional clarification and verification as will be included in the PMI requirements. During the Post Modification Inspection (PMI) process, the GC on site will be required to confirm all questions, confirmations, and validations as posed by the EOR. The engineering review for this desktop mount mapping was performed in accordance to the ANSI/TIA-222-H requirements and Verizon's NSTD446 standard.



Photo taken from: Closeout Photos

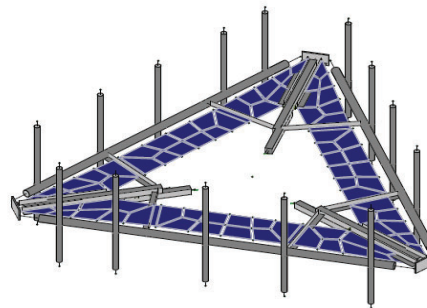
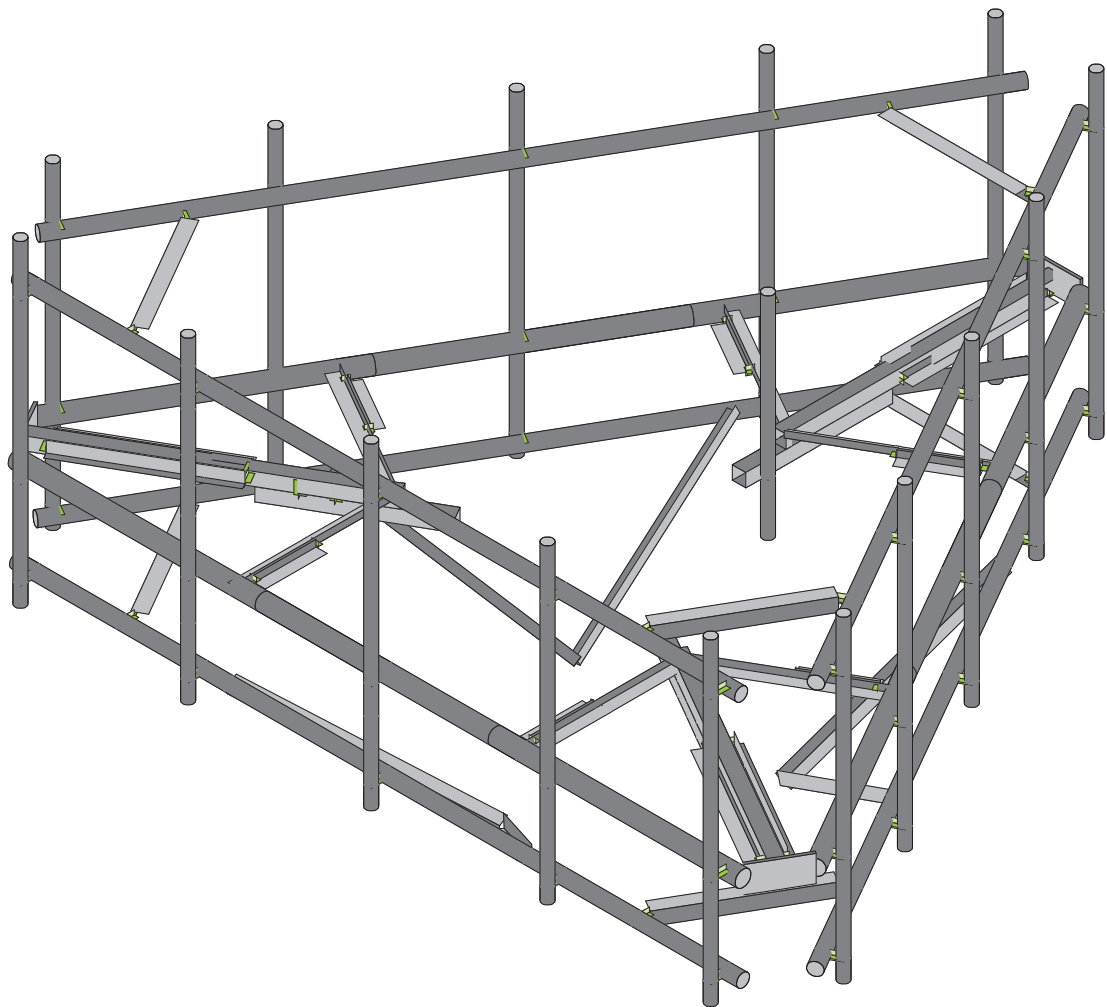
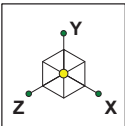


Photo taken from: Previous MA

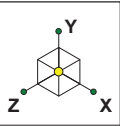


Envelope Only Solution

SK - 1

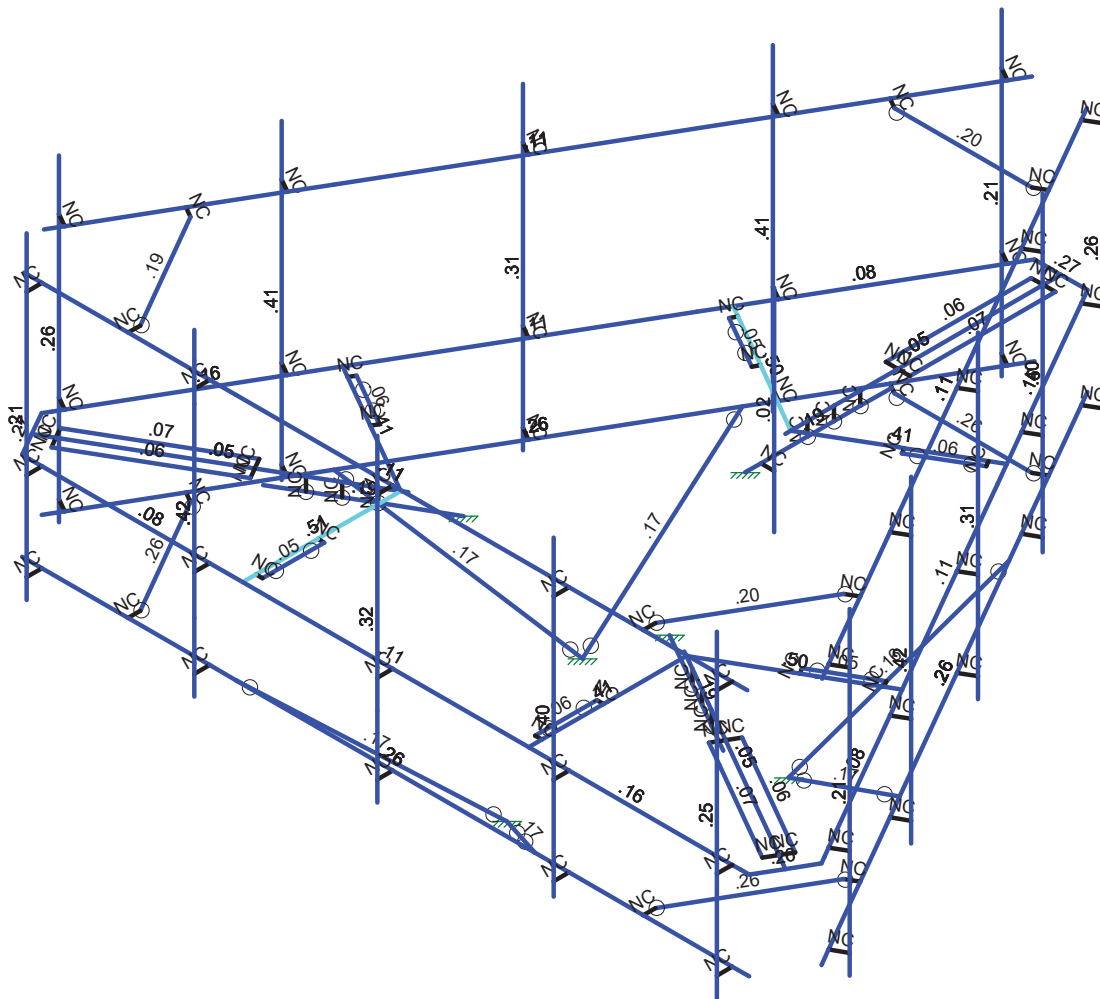
July 3, 2023 at 4:45 PM

5000385141-VZW_MT_LO_H.r3d



Code Check
(Env)

No Calc
> 1.0
.90-1.0
.75-.90
.50-.75
0-.50

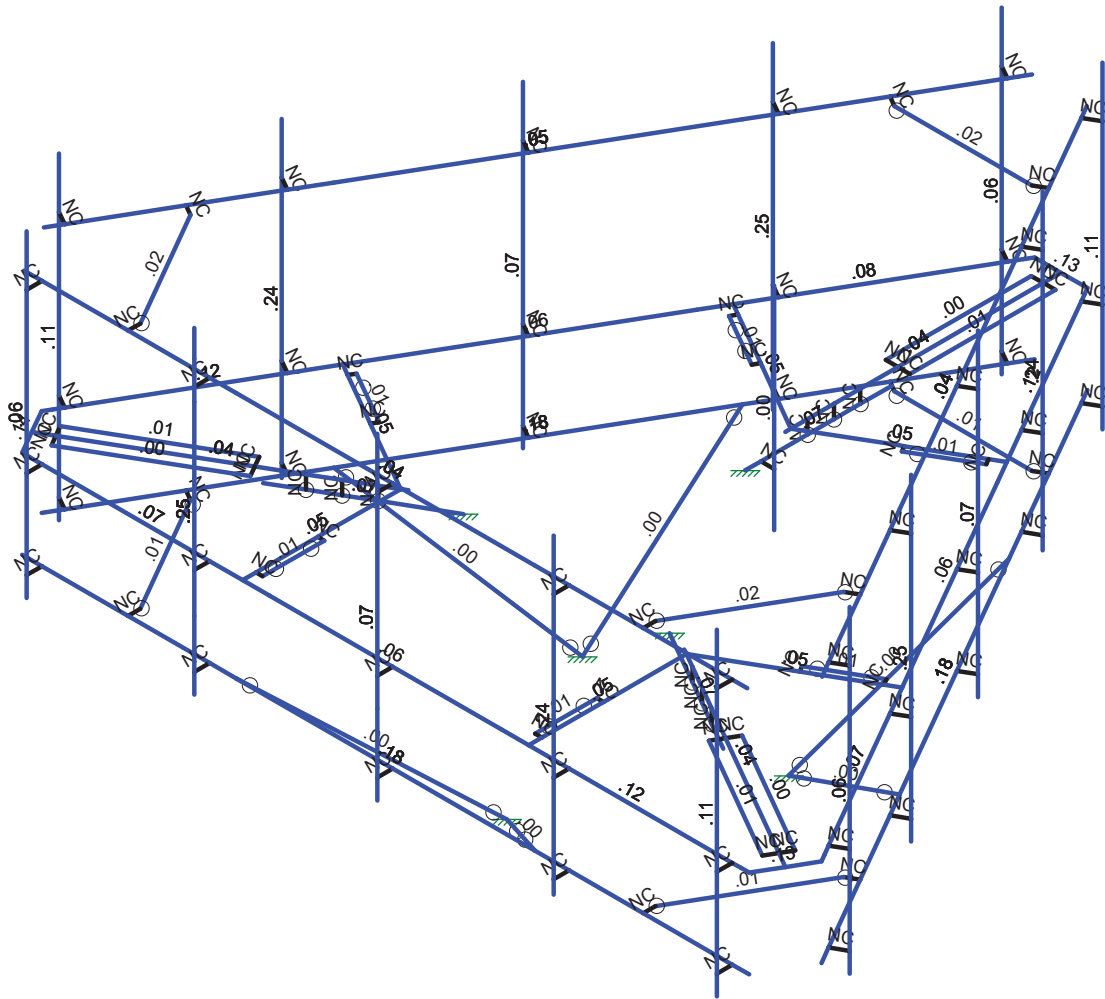
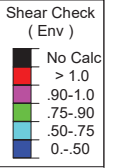
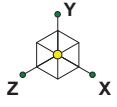


Member Code Checks Displayed (Enveloped)
Envelope Only Solution

SK - 2

July 3, 2023 at 4:45 PM

5000385141-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

SK - 3

July 3, 2023 at 4:45 PM

5000385141-VZW_MT_LO_H.r3d



July 3, 2023
4:45 PM
Checked By:

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(...
1	Antenna D	None					147		
2	Antenna Di	None					147		
3	Antenna Wo (0 Deg)	None					147		
4	Antenna Wo (30 Deg)	None					147		
5	Antenna Wo (60 Deg)	None					147		
6	Antenna Wo (90 Deg)	None					147		
7	Antenna Wo (120 Deg)	None					147		
8	Antenna Wo (150 Deg)	None					147		
9	Antenna Wo (180 Deg)	None					147		
10	Antenna Wo (210 Deg)	None					147		
11	Antenna Wo (240 Deg)	None					147		
12	Antenna Wo (270 Deg)	None					147		
13	Antenna Wo (300 Deg)	None					147		
14	Antenna Wo (330 Deg)	None					147		
15	Antenna Wi (0 Deg)	None					147		
16	Antenna Wi (30 Deg)	None					147		
17	Antenna Wi (60 Deg)	None					147		
18	Antenna Wi (90 Deg)	None					147		
19	Antenna Wi (120 Deg)	None					147		
20	Antenna Wi (150 Deg)	None					147		
21	Antenna Wi (180 Deg)	None					147		
22	Antenna Wi (210 Deg)	None					147		
23	Antenna Wi (240 Deg)	None					147		
24	Antenna Wi (270 Deg)	None					147		
25	Antenna Wi (300 Deg)	None					147		
26	Antenna Wi (330 Deg)	None					147		
27	Antenna Wm (0 Deg)	None					147		
28	Antenna Wm (30 Deg)	None					147		
29	Antenna Wm (60 Deg)	None					147		
30	Antenna Wm (90 Deg)	None					147		
31	Antenna Wm (120 Deg)	None					147		
32	Antenna Wm (150 Deg)	None					147		
33	Antenna Wm (180 Deg)	None					147		
34	Antenna Wm (210 Deg)	None					147		
35	Antenna Wm (240 Deg)	None					147		
36	Antenna Wm (270 Deg)	None					147		
37	Antenna Wm (300 Deg)	None					147		
38	Antenna Wm (330 Deg)	None					147		
39	Structure D	None		-1					15
40	Structure Di	None						70	15
41	Structure Wo (0 Deg)	None						140	
42	Structure Wo (30 Deg)	None						140	
43	Structure Wo (60 Deg)	None						140	
44	Structure Wo (90 Deg)	None						140	
45	Structure Wo (120 Deg)	None						140	
46	Structure Wo (150 Deg)	None						140	
47	Structure Wo (180 Deg)	None						140	
48	Structure Wo (210 Deg)	None						140	
49	Structure Wo (240 Deg)	None						140	
50	Structure Wo (270 Deg)	None						140	
51	Structure Wo (300 Deg)	None						140	
52	Structure Wo (330 Deg)	None						140	
53	Structure Wi (0 Deg)	None						140	
54	Structure Wi (30 Deg)	None						140	
55	Structure Wi (60 Deg)	None						140	
56	Structure Wi (90 Deg)	None						140	
57	Structure Wi (120 Deg)	None						140	
58	Structure Wi (150 Deg)	None						140	

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me... Surface(...
59	Structure Wi (180 Deg)	None						140
60	Structure Wi (210 Deg)	None						140
61	Structure Wi (240 Deg)	None						140
62	Structure Wi (270 Deg)	None						140
63	Structure Wi (300 Deg)	None						140
64	Structure Wi (330 Deg)	None						140
65	Structure Wm (0 Deg)	None						140
66	Structure Wm (30 Deg)	None						140
67	Structure Wm (60 Deg)	None						140
68	Structure Wm (90 Deg)	None						140
69	Structure Wm (120 Deg)	None						140
70	Structure Wm (150 Deg)	None						140
71	Structure Wm (180 Deg)	None						140
72	Structure Wm (210 Deg)	None						140
73	Structure Wm (240 Deg)	None						140
74	Structure Wm (270 Deg)	None						140
75	Structure Wm (300 Deg)	None						140
76	Structure Wm (330 Deg)	None						140
77	Lm1	None					1	
78	Lm2	None					1	
79	Lv1	None					1	
80	Lv2	None					1	
81	Antenna Ev	None					147	
82	Antenna Eh (0 Deg)	None					98	
83	Antenna Eh (90 Deg)	None					98	
84	Structure Ev	ELY						15
85	Structure Eh (0 Deg)	ELZ			-03			15
86	Structure Eh (90 Deg)	ELX	.03					15
87	BLC 39 Transient Area L...	None						148
88	BLC 40 Transient Area L...	None						148
89	BLC 84 Transient Area L...	None						
90	BLC 85 Transient Area L...	None						188
91	BLC 86 Transient Area L...	None						188

Load Combinations

Description		So...	P...	S...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1									
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1									
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1									
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1									
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1									
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1									
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1									
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1									
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1									
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1									
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1									
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1									
13	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1					
14	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1					
15	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1					
16	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1					
17	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1					
18	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1					
19	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1					
20	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1					
21	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1					

Load Combinations (Continued)

	Description	So...	P...	S...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...	BLCFac...
22	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1				
23	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1				
24	1.2D + 1.0Di + 1.0Wi (...)	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1				
25	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1						
26	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1						
27	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1						
28	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1						
29	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1						
30	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1						
31	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1						
32	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1						
33	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1						
34	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1						
35	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1						
36	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1						
37	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1						
38	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1						
39	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1						
40	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1						
41	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1						
42	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1						
43	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1						
44	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1						
45	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1						
46	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1						
47	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1						
48	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1						
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5										

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
59	N67	4.811237	.25	3.042388	0	
60	N69	-4.447762	.25	2.567917	0	
61	N70	-6.829332	.25	3.942917	0	
62	N71	-4.333179	.25	2.766381	0	
63	N72	-6.714749	.25	4.141381	0	
64	N73	-4.562345	.25	2.369453	0	
65	N74	-6.943915	.25	3.744453	0	
66	N76	4.447762	.25	2.567917	0	
67	N77	6.829332	.25	3.942917	0	
68	N78	4.562345	.25	2.369453	0	
69	N79	6.943915	.25	3.744453	0	
70	N80	4.333179	.25	2.766381	0	
71	N81	6.714749	.25	4.141381	0	
72	N80A	6.714749	.25	4.542388	0	
73	N81A	1.284275	.25	-3.860346	0	
74	N82	0.229167	.25	-5.687847	0	
75	N84	0.576449	.25	-8.086337	0	
76	N85	-3.985295	.25	0.817958	0	
77	N86	-5.040403	.25	2.645459	0	
78	N88	-7.291197	.25	3.543949	0	
79	N89	-1.284275	.25	-3.860346	0	
80	N90	-0.229167	.25	-5.687847	0	
81	N91	-0.576449	.25	-8.086337	0	
82	N92	-4.811237	.25	3.042388	0	
83	N93	-6.714749	.25	4.542388	0	
84	N95	3.985295	.25	0.817958	0	
85	N96	5.040403	.25	2.645459	0	
86	N97	7.291197	.25	3.543949	0	
87	N113A	-6.492646	.25	4.542388	0	
88	N115	-3.32598	.25	4.542388	0	
89	N117	0.132354	.25	4.542388	0	
90	N119	-6.492646	.25	4.834054	0	
91	N121	-3.32598	.25	4.834054	0	
92	N123	0.132354	.25	4.834054	0	
93	N125	3.465687	.25	4.542388	0	
94	N127	3.465687	.25	4.834054	0	
95	N129	6.54902	.25	4.542388	0	
96	N131	6.54902	.25	4.834054	0	
97	N133	-6.492646	4.208333	4.834054	0	
98	N134	-3.32598	4.208333	4.834054	0	
99	N135	0.132354	4.208333	4.834054	0	
100	N136	3.465687	4.208333	4.834054	0	
101	N137	6.54902	4.208333	4.834054	0	
102	N138	-6.492646	-1.791667	4.834054	0	
103	N139	-3.32598	-1.791667	4.834054	0	
104	N140	0.132354	-1.791667	4.834054	0	
105	N141	3.465687	-1.666667	4.834054	0	
106	N142	6.54902	-1.791667	4.834054	0	
107	N144	7.180146	.25	3.351603	0	
108	N146	5.596813	.25	0.609189	0	
109	N148	3.867646	.25	-2.385816	0	
110	N150	7.432737	.25	3.205769	0	
111	N152	5.849404	.25	0.463356	0	
112	N154	4.120237	.25	-2.531649	0	
113	N156	2.20098	.25	-5.272567	0	
114	N158	2.45357	.25	-5.4184	0	
115	N160	0.659313	.25	-7.942812	0	
116	N162	0.911904	.25	-8.088645	0	
117	N164	7.432737	4.208333	3.205769	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
118	N165	5.849404	4.208333	0.463356	0	
119	N166	4.120237	4.208333	-2.531649	0	
120	N167	2.45357	4.208333	-5.4184	0	
121	N168	0.911904	4.208333	-8.088645	0	
122	N169	7.432737	-1.791667	3.205769	0	
123	N170	5.849404	-1.791667	0.463356	0	
124	N171	4.120237	-1.791667	-2.531649	0	
125	N172	2.45357	-1.666667	-5.4184	0	
126	N173	0.911904	-1.791667	-8.088645	0	
127	N175	-0.6875	.25	-7.89399	0	
128	N177	-2.270833	.25	-5.151577	0	
129	N179	-4	.25	-2.156572	0	
130	N181	-0.940091	.25	-8.039824	0	
131	N183	-2.523424	.25	-5.29741	0	
132	N185	-4.252591	.25	-2.302406	0	
133	N187	-5.666667	.25	0.730179	0	
134	N189	-5.919257	.25	0.584346	0	
135	N191	-7.208333	.25	3.400424	0	
136	N193	-7.460924	.25	3.254591	0	
137	N195	-0.940091	4.208333	-8.039824	0	
138	N196	-2.523424	4.208333	-5.29741	0	
139	N197	-4.252591	4.208333	-2.302406	0	
140	N198	-5.919257	4.208333	0.584346	0	
141	N199	-7.460924	4.208333	3.254591	0	
142	N200	-0.940091	-1.791667	-8.039824	0	
143	N201	-2.523424	-1.791667	-5.29741	0	
144	N202	-4.252591	-1.791667	-2.302406	0	
145	N203	-5.919257	-1.666667	0.584346	0	
146	N204	-7.460924	-1.791667	3.254591	0	
147	N203B	-2.69943	.25	3.125722	0	
148	N204B	-2.70074	.25	4.292388	0	
149	N205	2.69943	.25	3.125722	0	
150	N206A	2.70074	.25	4.292388	0	
151	N207A	2.57443	.25	3.125722	0	
152	N208	2.57574	.25	4.292388	0	
153	N211	-2.57443	.25	3.125722	0	
154	N212	-2.57574	.25	4.292388	0	
155	N211A	4.05667	.25	0.774914	0	
156	N212A	5.067687	.25	0.192715	0	
157	N213	1.35724	.25	-3.900636	0	
158	N214	2.366947	.25	-4.485103	0	
159	N215	1.41974	.25	-3.792383	0	
160	N216	2.429447	.25	-4.37685	0	
161	N217	3.99417	.25	0.666661	0	
162	N218	5.005187	.25	0.084462	0	
163	N219	-1.35724	.25	-3.900636	0	
164	N220	-2.366947	.25	-4.485103	0	
165	N221	-4.05667	.25	0.774914	0	
166	N222	-5.067687	.25	0.192715	0	
167	N223	-3.99417	.25	0.666661	0	
168	N224	-5.005187	.25	0.084462	0	
169	N225	-1.41974	.25	-3.792383	0	
170	N226	-2.429447	.25	-4.37685	0	
171	ANTENNACL	-3.32598	1.25	4.834054	0	
172	N175A	-3.32598	-1.416667	4.834054	0	
173	N177A	-1.948557	0	1.125	0	
174	N179A	1.948557	0	1.125	0	
175	N177B	-3.32598	3	4.834054	0	
176	N178	-3.32598	-.5	4.834054	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
177	N177C	-3.32598	2.25	4.834054	0	
178	N178A	-3.32598	3.708333	4.834054	0	
179	N179B	-3.32598	1.75	4.834054	0	
180	N180	0.132354	-0.291667	4.834054	0	
181	N181A	-6.83348	3.25	4.542388	0	
182	N182	6.83348	3.25	4.542388	0	
183	N183A	-6.492646	3.25	4.542388	0	
184	N184	-3.32598	3.25	4.542388	0	
185	N185A	0.132354	3.25	4.542388	0	
186	N186	-6.492646	3.25	4.834054	0	
187	N187A	-3.32598	3.25	4.834054	0	
188	N188	0.132354	3.25	4.834054	0	
189	N189A	3.465687	3.25	4.542388	0	
190	N190	3.465687	3.25	4.834054	0	
191	N191A	6.54902	3.25	4.542388	0	
192	N192	6.54902	3.25	4.834054	0	
193	N193A	-4.867646	3.25	4.542388	0	
194	N194	4.867646	3.25	4.542388	0	
195	N195A	4.867646	3.25	4.313221	0	
196	N197A	-4.867687	3.25	4.313221	0	
197	N200A	7.180146	3.25	3.351603	0	
198	N201A	5.596813	3.25	0.609189	0	
199	N202A	3.867646	3.25	-2.385816	0	
200	N203A	7.432737	3.25	3.205769	0	
201	N204A	5.849404	3.25	0.463356	0	
202	N205A	4.120237	3.25	-2.531649	0	
203	N206	2.20098	3.25	-5.272567	0	
204	N207	2.45357	3.25	-5.4184	0	
205	N208A	0.659313	3.25	-7.942812	0	
206	N209	0.911904	3.25	-8.088645	0	
207	N210	6.367646	3.25	1.944311	0	
208	N211B	1.5	3.25	-6.486699	0	
209	N212B	1.301536	3.25	-6.372116	0	
210	N213A	6.169203	3.25	2.05893	0	
211	N217A	-0.6875	3.25	-7.89399	0	
212	N218A	-2.270833	3.25	-5.151577	0	
213	N219A	-4	3.25	-2.156572	0	
214	N220A	-0.940091	3.25	-8.039824	0	
215	N221A	-2.523424	3.25	-5.29741	0	
216	N222A	-4.252591	3.25	-2.302406	0	
217	N223A	-5.666667	3.25	0.730179	0	
218	N224A	-5.919257	3.25	0.584346	0	
219	N225A	-7.208333	3.25	3.400424	0	
220	N226A	-7.460924	3.25	3.254591	0	
221	N227	-1.5	3.25	-6.486699	0	
222	N228	-6.367646	3.25	1.944311	0	
223	N229	-6.169182	3.25	2.058895	0	
224	N230	-1.301515	3.25	-6.372151	0	
225	N229A	-2.82598	3.25	4.542388	0	
226	N230A	2.82598	3.25	4.542388	0	
227	N234	5.346813	3.25	0.176176	0	
228	N235	2.520833	3.25	-4.718564	0	
229	N237	-2.520833	3.25	-4.718564	0	
230	N238	-5.346813	3.25	0.176176	0	
231	N238A	-6.867646	-1.416667	4.542388	0	
232	N239	6.867646	-1.416667	4.542388	0	
233	N240	-6.492646	-1.416667	4.542388	0	
234	N241	-3.32598	-1.416667	4.542388	0	
235	N242	0.132354	-1.416667	4.542388	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
236	N243	-6.492646	-1.416667	4.834054	0	
237	N245	0.132354	-1.416667	4.834054	0	
238	N246	3.465687	-1.416667	4.542388	0	
239	N247	3.465687	-1.416667	4.834054	0	
240	N248	6.54902	-1.416667	4.542388	0	
241	N249	6.54902	-1.416667	4.834054	0	
242	N250	-4.867646	-1.416667	4.542388	0	
243	N251	4.867646	-1.416667	4.542388	0	
244	N252	4.867646	-1.416667	4.313221	0	
245	N253	-4.867687	-1.416667	4.313221	0	
246	N254	7.367646	-1.416667	3.676362	0	
247	N255	0.5	-1.416667	-8.21875	0	
248	N256	7.180146	-1.416667	3.351603	0	
249	N257	5.596813	-1.416667	0.609189	0	
250	N258	3.867646	-1.416667	-2.385816	0	
251	N259	7.432737	-1.416667	3.205769	0	
252	N260	5.849404	-1.416667	0.463356	0	
253	N261	4.120237	-1.416667	-2.531649	0	
254	N262	2.20098	-1.416667	-5.272567	0	
255	N263	2.45357	-1.416667	-5.4184	0	
256	N264	0.659313	-1.416667	-7.942812	0	
257	N265	0.911904	-1.416667	-8.088645	0	
258	N266	6.367646	-1.416667	1.944311	0	
259	N267	1.5	-1.416667	-6.486699	0	
260	N268	1.301536	-1.416667	-6.372116	0	
261	N269	6.169203	-1.416667	2.05893	0	
262	N270	-.5	-1.416667	-8.21875	0	
263	N271	-7.367646	-1.416667	3.676362	0	
264	N272	-0.6875	-1.416667	-7.89399	0	
265	N273	-2.270833	-1.416667	-5.151577	0	
266	N274	-4	-1.416667	-2.156572	0	
267	N275	-0.940091	-1.416667	-8.039824	0	
268	N276	-2.523424	-1.416667	-5.29741	0	
269	N277	-4.252591	-1.416667	-2.302406	0	
270	N278	-5.666667	-1.416667	0.730179	0	
271	N279	-5.919257	-1.416667	0.584346	0	
272	N280	-7.208333	-1.416667	3.400424	0	
273	N281	-7.460924	-1.416667	3.254591	0	
274	N282	-1.5	-1.416667	-6.486699	0	
275	N283	-6.367646	-1.416667	1.944311	0	
276	N284	-6.169182	-1.416667	2.058895	0	
277	N285	-1.301515	-1.416667	-6.372151	0	
278	N286	-2.82598	-1.416667	4.542388	0	
279	N287	2.82598	-1.416667	4.542388	0	
280	N288	0.	-3.458333	2.25	0	
281	N289	1.948557	-3.458333	-1.125	0	
282	N290	-1.948557	-3.458333	-1.125	0	
283	N291	5.346813	-1.416667	0.176176	0	
284	N292	2.520833	-1.416667	-4.718564	0	
285	N293	-2.520833	-1.416667	-4.718564	0	
286	N294	-5.346813	-1.416667	0.176176	0	
287	N287A	7.350563	3.25	3.646773	0	
288	N288A	0.517083	3.25	-8.189161	0	
289	N289A	-0.517083	3.25	-8.189161	0	
290	N290A	-7.350563	3.25	3.646773	0	
291	N291A	-0.	0	-2.55	0	
292	N292A	.25	0	-2.55	0	
293	N293A	.25	3	-2.55	0	
294	N294A	.25	-1	-2.55	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	HSS Standoff	HSS3X3X6	Beam	SquareTube	A500 Gr. B ...	Typical	3.39	3.78	3.78	6.64
3	Standoff Plate	PL5/8X6 HRA	Beam	SquareTube	A36 Gr.36	Typical	3.75	.122	11.25	.456
4	Face Horizontal	PIPE 3.0	Beam	SquareTube	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
5	Cross Bracing Angle	L2.5x1.5x4	Beam	SquareTube	A36 Gr.36	Typical	.947	.16	.594	.021
6	Standoff Welded	L2.5x1.5x4	Beam	SquareTube	A36 Gr.36	Typical	.947	.16	.594	.021
7	Face Bracing Angle	SR 1A	Beam	SquareTube	A36 Gr.36	Typical	.785	.049	.049	.098
8	Mod Support Rail C...	L3X3X4	Beam	SquareTube	A36 Gr.36	Typical	1.44	1.23	1.23	.031
9	Grating Angle Brace	L2.5x1.5x4	Beam	SquareTube	A36 Gr.36	Typical	.947	.16	.594	.021
10	Mod Support Rail	PIPE 2.5	Beam	SquareTube	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
11	Mod V bracing kit	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/f...	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	N8	N11			RIGID	None	None	RIGID	Typical
2	M2	N7	N10			RIGID	None	None	RIGID	Typical
3	M3	N6	N9			RIGID	None	None	RIGID	Typical
4	M4	N2	N3			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
5	M5	N4	N5			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
6	M7A	N24	N27		60	RIGID	None	None	RIGID	Typical
7	M8	N23	N26		60	RIGID	None	None	RIGID	Typical
8	M9	N22	N25		60	RIGID	None	None	RIGID	Typical
9	M10	N177A	N19			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
10	M11	N20	N21			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
11	M13	N40	N43		30	RIGID	None	None	RIGID	Typical
12	M14	N39	N42		30	RIGID	None	None	RIGID	Typical
13	M15	N38	N41		30	RIGID	None	None	RIGID	Typical
14	M16	N179A	N35			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
15	M17	N36	N37			HSS Standoff	Beam	SquareTube	A500 Gr. ...	Typical
16	M18	N46	N45			Standoff Plate	Beam	SquareTube	A36 Gr.36	Typical
17	M19	N45	N47A			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
18	M20	N16	N48A			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
19	M21	N31	N49			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
20	M22	N47A	N50			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
21	M23	N48A	N51			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
22	M24	N49	N52			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
23	M25	N50	N17			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
24	M26	N51	N32			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
25	M27	N52	N46			Face Horizontal	Beam	SquareTube	A53 Gr. B	Typical
26	M28	N44	N53		270	Cross Bracing ...	Beam	SquareTube	A36 Gr.36	Typical
27	M29	N12	N55		270	Cross Bracing ...	Beam	SquareTube	A36 Gr.36	Typical
28	M30	N28	N57		270	Cross Bracing ...	Beam	SquareTube	A36 Gr.36	Typical
29	M31	N57A	N12		270	Cross Bracing ...	Beam	SquareTube	A36 Gr.36	Typical
30	M32	N58	N28		270	Cross Bracing ...	Beam	SquareTube	A36 Gr.36	Typical
31	M33	N60	N44		270	Cross Bracing ...	Beam	SquareTube	A36 Gr.36	Typical
32	M34	N65	N61			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
33	M35	N66	N62			RIGID	None	None	RIGID	Typical
34	M36	N64	N62			RIGID	None	None	RIGID	Typical
35	M37	N63	N61			RIGID	None	None	RIGID	Typical
36	M38	N64	N63			Standoff Weld...	Beam	SquareTube	A36 Gr.36	Typical
37	M39	N66	N65		270	Standoff Weld...	Beam	SquareTube	A36 Gr.36	Typical
38	M40	N73	N69			RIGID	None	None	RIGID	Typical
39	M41	N74	N70			RIGID	None	None	RIGID	Typical
40	M42	N72	N70			RIGID	None	None	RIGID	Typical
41	M43	N71	N69			RIGID	None	None	RIGID	Typical
42	M44	N72	N71			Standoff Weld...	Beam	SquareTube	A36 Gr.36	Typical
43	M45	N74	N73		270	Standoff Weld...	Beam	SquareTube	A36 Gr.36	Typical
44	M46	N80	N76			RIGID	None	None	RIGID	Typical
45	M47	N81	N77			RIGID	None	None	RIGID	Typical
46	M48	N79	N77			RIGID	None	None	RIGID	Typical
47	M49	N78	N76			RIGID	None	None	RIGID	Typical
48	M50	N79	N78			Standoff Weld...	Beam	SquareTube	A36 Gr.36	Typical
49	M51	N81	N80		270	Standoff Weld...	Beam	SquareTube	A36 Gr.36	Typical
50	M77	N113A	N119			RIGID	None	None	RIGID	Typical
51	M79	N115	N121			RIGID	None	None	RIGID	Typical
52	M81	N117	N123			RIGID	None	None	RIGID	Typical
53	M83	N125	N127			RIGID	None	None	RIGID	Typical
54	M85	N129	N131			RIGID	None	None	RIGID	Typical
55	MP5A	N133	N138			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
56	MP4A	N134	N139			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
57	MP3A	N135	N140			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
58	MP2A	N136	N141			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
59	MP1A	N137	N142			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
60	M92	N144	N150			RIGID	None	None	RIGID	Typical
61	M94	N146	N152			RIGID	None	None	RIGID	Typical
62	M96	N148	N154			RIGID	None	None	RIGID	Typical
63	M98	N156	N158			RIGID	None	None	RIGID	Typical
64	M100	N160	N162			RIGID	None	None	RIGID	Typical
65	MP5C	N164	N169			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
66	MP4C	N165	N170			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
67	MP3C	N166	N171			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
68	MP2C	N167	N172			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
69	MP1C	N168	N173			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
70	M107	N175	N181			RIGID	None	None	RIGID	Typical
71	M109	N177	N183			RIGID	None	None	RIGID	Typical
72	M111	N179	N185			RIGID	None	None	RIGID	Typical
73	M113	N187	N189			RIGID	None	None	RIGID	Typical
74	M115	N191	N193			RIGID	None	None	RIGID	Typical
75	MP5B	N195	N200			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
76	MP4B	N196	N201			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
77	MP3B	N197	N202			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
78	MP2B	N198	N203			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
79	MP1B	N199	N204			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
80	M122A	N17	N16			Standoff Plate	Beam	SquareTube	A36 Gr.36	Typical
81	M123A	N32	N31			Standoff Plate	Beam	SquareTube	A36 Gr.36	Typical
82	M124	N205	N207A			RIGID	None	None	RIGID	Typical
83	M125	N206A	N208			RIGID	None	None	RIGID	Typical
84	M128	N208	N207A		270	Grating Angle ...	Beam	SquareTube	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
92	M140	N212A	N218			RIGID	None	None	RIGID	Typical
93	M141	N217	N218		270	Grating Angle ...	Beam	SquareTube	A36 Gr.36	Typical
94	M148	N221	N223			RIGID	None	None	RIGID	Typical
95	M149	N222	N224			RIGID	None	None	RIGID	Typical
96	M150	N224	N223		270	Grating Angle ...	Beam	SquareTube	A36 Gr.36	Typical
97	M151	N219	N225			RIGID	None	None	RIGID	Typical
98	M152	N220	N226			RIGID	None	None	RIGID	Typical
99	M153	N225	N226		270	Grating Angle ...	Beam	SquareTube	A36 Gr.36	Typical
100	M100A	N181A	N182			Mod Support ...	Beam	SquareTube	A53 Gr. B	Typical
101	M101	N183A	N186			RIGID	None	None	RIGID	Typical
102	M102	N184	N187A			RIGID	None	None	RIGID	Typical
103	M103	N185A	N188			RIGID	None	None	RIGID	Typical
104	M104	N189A	N190			RIGID	None	None	RIGID	Typical
105	M105	N191A	N192			RIGID	None	None	RIGID	Typical
106	M106	N194	N195A			RIGID	None	None	RIGID	Typical
107	M107A	N193A	N197A			RIGID	None	None	RIGID	Typical
108	M109A	N200A	N203A			RIGID	None	None	RIGID	Typical
109	M110	N201A	N204A			RIGID	None	None	RIGID	Typical
110	M111A	N202A	N205A			RIGID	None	None	RIGID	Typical
111	M112	N206	N207			RIGID	None	None	RIGID	Typical
112	M113A	N208A	N209			RIGID	None	None	RIGID	Typical
113	M114	N211B	N212B			RIGID	None	None	RIGID	Typical
114	M115A	N210	N213A			RIGID	None	None	RIGID	Typical
115	M117	N217A	N220A			RIGID	None	None	RIGID	Typical
116	M118	N218A	N221A			RIGID	None	None	RIGID	Typical
117	M119	N219A	N222A			RIGID	None	None	RIGID	Typical
118	M120	N223A	N224A			RIGID	None	None	RIGID	Typical
119	M121	N225A	N226A			RIGID	None	None	RIGID	Typical
120	M122	N228	N229			RIGID	None	None	RIGID	Typical
121	M123	N227	N230			RIGID	None	None	RIGID	Typical
122	M124A	N197A	N229		90	Mod Support ...	Beam	SquareTube	A36 Gr.36	Typical
123	M125A	N213A	N195A		90	Mod Support ...	Beam	SquareTube	A36 Gr.36	Typical
124	M126	N230	N212B		90	Mod Support ...	Beam	SquareTube	A36 Gr.36	Typical
125	M133	N238A	N239			Mod Support ...	Beam	SquareTube	A53 Gr. B	Typical
126	M134	N240	N243			RIGID	None	None	RIGID	Typical
127	M135	N241	N175A			RIGID	None	None	RIGID	Typical
128	M136A	N242	N245			RIGID	None	None	RIGID	Typical
129	M137A	N246	N247			RIGID	None	None	RIGID	Typical
130	M138A	N248	N249			RIGID	None	None	RIGID	Typical
131	M139A	N251	N252			RIGID	None	None	RIGID	Typical
132	M140A	N250	N253			RIGID	None	None	RIGID	Typical
133	M141A	N254	N255			Mod Support ...	Beam	SquareTube	A53 Gr. B	Typical
134	M142	N256	N259			RIGID	None	None	RIGID	Typical
135	M143	N257	N260			RIGID	None	None	RIGID	Typical
136	M144	N258	N261			RIGID	None	None	RIGID	Typical
137	M145	N262	N263			RIGID	None	None	RIGID	Typical
138	M146	N264	N265			RIGID	None	None	RIGID	Typical
139	M147	N267	N268			RIGID	None	None	RIGID	Typical
140	M148A	N266	N269			RIGID	None	None	RIGID	Typical
141	M149A	N270	N271			Mod Support ...	Beam	SquareTube	A53 Gr. B	Typical
142	M150A	N272	N275			RIGID	None	None	RIGID	Typical
143	M151A	N273	N276			RIGID	None	None	RIGID	Typical
144	M152A	N274	N277			RIGID	None	None	RIGID	Typical
145	M153A	N278	N279			RIGID	None	None	RIGID	Typical
146	M154	N280	N281			RIGID	None	None	RIGID	Typical
147	M155	N283	N284			RIGID	None	None	RIGID	Typical
148	M156	N282	N285			RIGID	None	None	RIGID	Typical
149	M157	N253	N284		90	Mod Support ...	Beam	SquareTube	A36 Gr.36	Typical
150	M158	N269	N252		90	Mod Support ...	Beam	SquareTube	A36 Gr.36	Typical



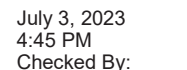
July 3, 2023
4:45 PM
Checked By:

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
151	M159	N285	N268		90	Mod Support ...	Beam	SquareTube	A36 Gr.36	Typical
152	M160	N286	N288			Mod V bracing...	Beam	Single Angle	A36 Gr.36	Typical
153	M161	N287	N288		270	Mod V bracing...	Beam	Single Angle	A36 Gr.36	Typical
154	M162	N291	N289			Mod V bracing...	Beam	Single Angle	A36 Gr.36	Typical
155	M163	N292	N289		270	Mod V bracing...	Beam	Single Angle	A36 Gr.36	Typical
156	M164	N293	N290			Mod V bracing...	Beam	Single Angle	A36 Gr.36	Typical
157	M165	N294	N290		270	Mod V bracing...	Beam	Single Angle	A36 Gr.36	Typical
158	M158A	N287A	N288A			Mod Support ...	Beam	SquareTube	A53 Gr. B	Typical
159	M159A	N289A	N290A			Mod Support ...	Beam	SquareTube	A53 Gr. B	Typical
160	M160A	N291A	N292A			RIGID	None	None	RIGID	Typical
161	OVP	N293A	N294A			Antenna Pipe	Beam	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	BenPIN					Yes	** NA **			None
2	M2	BenPIN					Yes	** NA **			None
3	M3	BenPIN					Yes	** NA **			None
4	M4						Yes				None
5	M5						Yes				None
6	M7A	BenPIN					Yes	** NA **			None
7	M8	BenPIN					Yes	** NA **			None
8	M9	BenPIN					Yes	** NA **			None
9	M10						Yes				None
10	M11						Yes				None
11	M13	BenPIN					Yes	** NA **			None
12	M14	BenPIN					Yes	** NA **			None
13	M15	BenPIN					Yes	** NA **			None
14	M16						Yes				None
15	M17						Yes				None
16	M18						Yes				None
17	M19						Yes				None
18	M20						Yes				None
19	M21						Yes				None
20	M22						Yes				None
21	M23						Yes				None
22	M24						Yes				None
23	M25						Yes				None
24	M26						Yes				None
25	M27						Yes				None
26	M28						Yes				None
27	M29						Yes				None
28	M30						Yes				None
29	M31						Yes				None
30	M32						Yes				None
31	M33						Yes				None
32	M34						Yes	** NA **			None
33	M35						Yes	** NA **			None
34	M36						Yes	** NA **			None
35	M37						Yes	** NA **			None
36	M38						Yes				None
37	M39						Yes				None
38	M40						Yes	** NA **			None
39	M41						Yes	** NA **			None
40	M42						Yes	** NA **			None
41	M43						Yes	** NA **			None
42	M44						Yes				None
43	M45						Yes				None



	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
44	M46						Yes	** NA **			None
45	M47						Yes	** NA **			None
46	M48						Yes	** NA **			None
47	M49						Yes	** NA **			None
48	M50						Yes				None
49	M51						Yes				None
50	M77						Yes	** NA **			None
51	M79						Yes	** NA **			None
52	M81						Yes	** NA **			None
53	M83						Yes	** NA **			None
54	M85						Yes	** NA **			None
55	MP5A						Yes				None
56	MP4A						Yes				None
57	MP3A						Yes				None
58	MP2A						Yes				None
59	MP1A						Yes				None
60	M92						Yes	** NA **			None
61	M94						Yes	** NA **			None
62	M96						Yes	** NA **			None
63	M98						Yes	** NA **			None
64	M100						Yes	** NA **			None
65	MP5C						Yes				None
66	MP4C						Yes				None
67	MP3C						Yes				None
68	MP2C						Yes				None
69	MP1C						Yes				None
70	M107						Yes	** NA **			None
71	M109						Yes	** NA **			None
72	M111						Yes	** NA **			None
73	M113						Yes	** NA **			None
74	M115						Yes	** NA **			None
75	MP5B						Yes				None
76	MP4B						Yes				None
77	MP3B						Yes				None
78	MP2B						Yes				None
79	MP1B						Yes				None
80	M122A						Yes				None
81	M123A						Yes				None
82	M124						Yes	** NA **			None
83	M125						Yes	** NA **			None
84	M128	BenPIN	BenPIN				Yes				None
85	M127						Yes	** NA **			None
86	M128A						Yes	** NA **			None
87	M129	BenPIN	BenPIN				Yes				None
88	M136						Yes	** NA **			None
89	M137						Yes	** NA **			None
90	M138	BenPIN	BenPIN				Yes				None
91	M139						Yes	** NA **			None
92	M140						Yes	** NA **			None
93	M141	BenPIN	BenPIN				Yes				None
94	M148						Yes	** NA **			None
95	M149						Yes	** NA **			None
96	M150	BenPIN	BenPIN				Yes				None
97	M151						Yes	** NA **			None
98	M152						Yes	** NA **			None
99	M153	BenPIN	BenPIN				Yes				None
100	M100A						Yes				None
101	M101						Yes	** NA **			None
102	M102						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...
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106	OOOOOX					Yes	** NA **			None
107	M107A	OOOOOX					Yes	** NA **			None
108	M109A						Yes	** NA **			None
109	M110						Yes	** NA **			None
110	M111A						Yes	** NA **			None
111	M112						Yes	** NA **			None
112	M113A						Yes	** NA **			None
113	M114	OOOOOX					Yes	** NA **			None
114	M115A	OOOOOX					Yes	** NA **			None
115	M117						Yes	** NA **			None
116	M118						Yes	** NA **			None
117	M119						Yes	** NA **			None
118	M120						Yes	** NA **			None
119	M121						Yes	** NA **			None
120	M122						Yes	** NA **			None
121	M123	OOOOOX					Yes	** NA **			None
122	M124A						Yes	Default			None
123	M125A						Yes	Default			None
124	M126						Yes	Default			None
125	M133						Yes				None
126	M134						Yes	** NA **			None
127	M135						Yes	** NA **			None
128	M136A						Yes	** NA **			None
129	M137A						Yes	** NA **			None
130	M138A						Yes	** NA **			None
131	M139A	OOOOOX					Yes	** NA **			None
132	M140A	OOOOOX					Yes	** NA **			None
133	M141A						Yes				None
134	M142						Yes	** NA **			None
135	M143						Yes	** NA **			None
136	M144						Yes	** NA **			None
137	M145						Yes	** NA **			None
138	M146						Yes	** NA **			None
139	M147	OOOOOX					Yes	** NA **			None
140	M148A	OOOOOX					Yes	** NA **			None
141	M149A						Yes				None
142	M150A						Yes	** NA **			None
143	M151A						Yes	** NA **			None
144	M152A						Yes	** NA **			None
145	M153A						Yes	** NA **			None
146	M154						Yes	** NA **			None
147	M155	OOOOOX					Yes	** NA **			None
148	M156	OOOOOX					Yes	** NA **			None
149	M157						Yes	Default			None
150	M158						Yes	Default			None
151	M159						Yes	Default			None
152	M160	BenPIN	BenPIN				Yes				None
153	M161	BenPIN	BenPIN				Yes				None
154	M162	BenPIN	BenPIN				Yes				None
155	M163	BenPIN	BenPIN				Yes				None
156	M164	BenPIN	BenPIN				Yes				None
157	M165	BenPIN	BenPIN				Yes				None
158	M158A						Yes				None
159	M159A						Yes				None
160	M160A						Yes	** NA **			None
161	OVP						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	Y	-43.5	1.21
2	MP1A	My	-.027	1.21
3	MP1A	Mz	.052	1.21
4	MP1A	Y	-43.5	4.7
5	MP1A	My	-.027	4.7
6	MP1A	Mz	.052	4.7
7	MP1B	Y	-43.5	1.21
8	MP1B	My	-.032	1.21
9	MP1B	Mz	-.05	1.21
10	MP1B	Y	-43.5	4.7
11	MP1B	My	-.032	4.7
12	MP1B	Mz	-.05	4.7
13	MP1C	Y	-43.5	1.21
14	MP1C	My	.059	1.21
15	MP1C	Mz	-.003	1.21
16	MP1C	Y	-43.5	4.7
17	MP1C	My	.059	4.7
18	MP1C	Mz	-.003	4.7
19	MP1A	Y	-43.5	1.21
20	MP1A	My	-.05	1.21
21	MP1A	Mz	-.032	1.21
22	MP1A	Y	-43.5	4.7
23	MP1A	My	-.05	4.7
24	MP1A	Mz	-.032	4.7
25	MP1B	Y	-43.5	1.21
26	MP1B	My	.052	1.21
27	MP1B	Mz	-.027	1.21
28	MP1B	Y	-43.5	4.7
29	MP1B	My	.052	4.7
30	MP1B	Mz	-.027	4.7
31	MP1C	Y	-43.5	1.21
32	MP1C	My	-.003	1.21
33	MP1C	Mz	.059	1.21
34	MP1C	Y	-43.5	4.7
35	MP1C	My	-.003	4.7
36	MP1C	Mz	.059	4.7
37	MP4A	Y	-43.5	1.21
38	MP4A	My	-.058	1.21
39	MP4A	Mz	.013	1.21
40	MP4A	Y	-43.5	4.7
41	MP4A	My	-.058	4.7
42	MP4A	Mz	.013	4.7
43	MP4B	Y	-43.5	1.21
44	MP4B	My	.018	1.21
45	MP4B	Mz	-.056	1.21
46	MP4B	Y	-43.5	4.7
47	MP4B	My	.018	4.7
48	MP4B	Mz	-.056	4.7
49	MP4C	Y	-43.5	1.21
50	MP4C	My	.04	1.21
51	MP4C	Mz	.044	1.21
52	MP4C	Y	-43.5	4.7
53	MP4C	My	.04	4.7
54	MP4C	Mz	.044	4.7
55	MP4A	Y	-43.5	1.21
56	MP4A	My	-.008	1.21
57	MP4A	Mz	-.059	1.21
58	MP4A	Y	-43.5	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
59	MP4A	My	-.008	4.7
60	MP4A	Mz	-.059	4.7
61	MP4B	Y	-43.5	1.21
62	MP4B	My	.055	1.21
63	MP4B	Mz	.023	1.21
64	MP4B	Y	-43.5	4.7
65	MP4B	My	.055	4.7
66	MP4B	Mz	.023	4.7
67	MP4C	Y	-43.5	1.21
68	MP4C	My	-.047	1.21
69	MP4C	Mz	.036	1.21
70	MP4C	Y	-43.5	4.7
71	MP4C	My	-.047	4.7
72	MP4C	Mz	.036	4.7
73	MP3A	Y	-4.4	1
74	MP3A	My	-.002	1
75	MP3A	Mz	0	1
76	MP3B	Y	-4.4	1
77	MP3B	My	.000917	1
78	MP3B	Mz	-.002	1
79	MP3C	Y	-4.4	1
80	MP3C	My	.000917	1
81	MP3C	Mz	.002	1
82	MP3A	Y	-43.55	2.5
83	MP3A	My	-.022	2.5
84	MP3A	Mz	0	2.5
85	MP3A	Y	-43.55	4.5
86	MP3A	My	-.022	4.5
87	MP3A	Mz	0	4.5
88	MP3B	Y	-43.55	2.5
89	MP3B	My	.011	2.5
90	MP3B	Mz	-.019	2.5
91	MP3B	Y	-43.55	4.5
92	MP3B	My	.011	4.5
93	MP3B	Mz	-.019	4.5
94	MP3C	Y	-43.55	2.5
95	MP3C	My	.011	2.5
96	MP3C	Mz	.019	2.5
97	MP3C	Y	-43.55	4.5
98	MP3C	My	.011	4.5
99	MP3C	Mz	.019	4.5
100	MP1A	Y	-70.3	2.25
101	MP1A	My	.035	2.25
102	MP1A	Mz	.047	2.25
103	MP1B	Y	-70.3	2.25
104	MP1B	My	-.058	2.25
105	MP1B	Mz	.007	2.25
106	MP1C	Y	-70.3	2.25
107	MP1C	My	.023	2.25
108	MP1C	Mz	-.054	2.25
109	MP1A	Y	-84.4	2.25
110	MP1A	My	.026	2.25
111	MP1A	Mz	-.065	2.25
112	MP1B	Y	-84.4	2.25
113	MP1B	My	.043	2.25
114	MP1B	Mz	.055	2.25
115	MP1C	Y	-84.4	2.25
116	MP1C	My	-.07	2.25
117	MP1C	Mz	.01	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
118	MP4A	Y	-70.3	2.25
119	MP4A	My	.035	2.25
120	MP4A	Mz	-.047	2.25
121	MP4B	Y	-70.3	2.25
122	MP4B	My	.023	2.25
123	MP4B	Mz	.054	2.25
124	MP4C	Y	-70.3	2.25
125	MP4C	My	-.058	2.25
126	MP4C	Mz	-.007	2.25
127	MP4A	Y	-84.4	2.25
128	MP4A	My	.042	2.25
129	MP4A	Mz	.056	2.25
130	MP4B	Y	-84.4	2.25
131	MP4B	My	-.07	2.25
132	MP4B	Mz	.008	2.25
133	MP4C	Y	-84.4	2.25
134	MP4C	My	.028	2.25
135	MP4C	Mz	-.065	2.25
136	MP1A	Y	-17.6	5
137	MP1A	My	.009	5
138	MP1A	Mz	-.002	5
139	MP1B	Y	-17.6	5
140	MP1B	My	-.002	5
141	MP1B	Mz	.009	5
142	MP1C	Y	-17.6	5
143	MP1C	My	-.006	5
144	MP1C	Mz	-.006	5
145	MP4A	Y	-17.6	5
146	MP4A	My	.007	5
147	MP4A	Mz	.005	5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-98.168	1.21
2	MP1A	My	-.062	1.21
3	MP1A	Mz	.118	1.21
4	MP1A	Y	-98.168	4.7
5	MP1A	My	-.062	4.7
6	MP1A	Mz	.118	4.7
7	MP1B	Y	-98.168	1.21
8	MP1B	My	-.072	1.21
9	MP1B	Mz	-.112	1.21
10	MP1B	Y	-98.168	4.7
11	MP1B	My	-.072	4.7
12	MP1B	Mz	-.112	4.7
13	MP1C	Y	-98.168	1.21
14	MP1C	My	.133	1.21
15	MP1C	Mz	-.006	1.21
16	MP1C	Y	-98.168	4.7
17	MP1C	My	.133	4.7
18	MP1C	Mz	-.006	4.7
19	MP1A	Y	-98.168	1.21
20	MP1A	My	-.112	1.21
21	MP1A	Mz	-.072	1.21
22	MP1A	Y	-98.168	4.7
23	MP1A	My	-.112	4.7
24	MP1A	Mz	-.072	4.7
25	MP1B	Y	-98.168	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
26	MP1B	My	.118	1.21
27	MP1B	Mz	-.062	1.21
28	MP1B	Y	-98.168	4.7
29	MP1B	My	.118	4.7
30	MP1B	Mz	-.062	4.7
31	MP1C	Y	-98.168	1.21
32	MP1C	My	-.006	1.21
33	MP1C	Mz	.133	1.21
34	MP1C	Y	-98.168	4.7
35	MP1C	My	-.006	4.7
36	MP1C	Mz	.133	4.7
37	MP4A	Y	-98.168	1.21
38	MP4A	My	-.13	1.21
39	MP4A	Mz	.029	1.21
40	MP4A	Y	-98.168	4.7
41	MP4A	My	-.13	4.7
42	MP4A	Mz	.029	4.7
43	MP4B	Y	-98.168	1.21
44	MP4B	My	.04	1.21
45	MP4B	Mz	-.127	1.21
46	MP4B	Y	-98.168	4.7
47	MP4B	My	.04	4.7
48	MP4B	Mz	-.127	4.7
49	MP4C	Y	-98.168	1.21
50	MP4C	My	.09	1.21
51	MP4C	Mz	.098	1.21
52	MP4C	Y	-98.168	4.7
53	MP4C	My	.09	4.7
54	MP4C	Mz	.098	4.7
55	MP4A	Y	-98.168	1.21
56	MP4A	My	-.017	1.21
57	MP4A	Mz	-.132	1.21
58	MP4A	Y	-98.168	4.7
59	MP4A	My	-.017	4.7
60	MP4A	Mz	-.132	4.7
61	MP4B	Y	-98.168	1.21
62	MP4B	My	.123	1.21
63	MP4B	Mz	.051	1.21
64	MP4B	Y	-98.168	4.7
65	MP4B	My	.123	4.7
66	MP4B	Mz	.051	4.7
67	MP4C	Y	-98.168	1.21
68	MP4C	My	-.106	1.21
69	MP4C	Mz	.081	1.21
70	MP4C	Y	-98.168	4.7
71	MP4C	My	-.106	4.7
72	MP4C	Mz	.081	4.7
73	MP3A	Y	-13.622	1
74	MP3A	My	-.006	1
75	MP3A	Mz	0	1
76	MP3B	Y	-13.622	1
77	MP3B	My	.003	1
78	MP3B	Mz	-.005	1
79	MP3C	Y	-13.622	1
80	MP3C	My	.003	1
81	MP3C	Mz	.005	1
82	MP3A	Y	-36.019	2.5
83	MP3A	My	-0.018	2.5
84	MP3A	Mz	0	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
85	MP3A	Y	-36.019	4.5
86	MP3A	My	-.018	4.5
87	MP3A	Mz	0	4.5
88	MP3B	Y	-36.019	2.5
89	MP3B	My	.009	2.5
90	MP3B	Mz	-.016	2.5
91	MP3B	Y	-36.019	4.5
92	MP3B	My	.009	4.5
93	MP3B	Mz	-.016	4.5
94	MP3C	Y	-36.019	2.5
95	MP3C	My	.009	2.5
96	MP3C	Mz	.016	2.5
97	MP3C	Y	-36.019	4.5
98	MP3C	My	.009	4.5
99	MP3C	Mz	.016	4.5
100	MP1A	Y	-40.849	2.25
101	MP1A	My	.02	2.25
102	MP1A	Mz	.027	2.25
103	MP1B	Y	-40.849	2.25
104	MP1B	My	-.034	2.25
105	MP1B	Mz	.004	2.25
106	MP1C	Y	-40.849	2.25
107	MP1C	My	.013	2.25
108	MP1C	Mz	-.031	2.25
109	MP1A	Y	-45.419	2.25
110	MP1A	My	.014	2.25
111	MP1A	Mz	-.035	2.25
112	MP1B	Y	-45.419	2.25
113	MP1B	My	.023	2.25
114	MP1B	Mz	.03	2.25
115	MP1C	Y	-45.419	2.25
116	MP1C	My	-.037	2.25
117	MP1C	Mz	.005	2.25
118	MP4A	Y	-40.849	2.25
119	MP4A	My	.02	2.25
120	MP4A	Mz	-.027	2.25
121	MP4B	Y	-40.849	2.25
122	MP4B	My	.013	2.25
123	MP4B	Mz	.031	2.25
124	MP4C	Y	-40.849	2.25
125	MP4C	My	-.034	2.25
126	MP4C	Mz	-.004	2.25
127	MP4A	Y	-45.419	2.25
128	MP4A	My	.023	2.25
129	MP4A	Mz	.03	2.25
130	MP4B	Y	-45.419	2.25
131	MP4B	My	-.038	2.25
132	MP4B	Mz	.005	2.25
133	MP4C	Y	-45.419	2.25
134	MP4C	My	.015	2.25
135	MP4C	Mz	-.035	2.25
136	MP1A	Y	-17.547	5
137	MP1A	My	.008	5
138	MP1A	Mz	-.002	5
139	MP1B	Y	-17.547	5
140	MP1B	My	-.002	5
141	MP1B	Mz	.008	5
142	MP1C	Y	-17.547	5
143	MP1C	Mv	-.006	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
144	MP1C	Mz	-.006	5
145	MP4A	Y	-17.547	5
146	MP4A	My	.007	5
147	MP4A	Mz	.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	0	1.21
2	MP1A	Z	-120.891	1.21
3	MP1A	Mx	-.145	1.21
4	MP1A	X	0	4.7
5	MP1A	Z	-120.891	4.7
6	MP1A	Mx	-.145	4.7
7	MP1B	X	0	1.21
8	MP1B	Z	-66.107	1.21
9	MP1B	Mx	.076	1.21
10	MP1B	X	0	4.7
11	MP1B	Z	-66.107	4.7
12	MP1B	Mx	.076	4.7
13	MP1C	X	0	1.21
14	MP1C	Z	-93.499	1.21
15	MP1C	Mx	.006	1.21
16	MP1C	X	0	4.7
17	MP1C	Z	-93.499	4.7
18	MP1C	Mx	.006	4.7
19	MP1A	X	0	1.21
20	MP1A	Z	-120.891	1.21
21	MP1A	Mx	.088	1.21
22	MP1A	X	0	4.7
23	MP1A	Z	-120.891	4.7
24	MP1A	Mx	.088	4.7
25	MP1B	X	0	1.21
26	MP1B	Z	-66.107	1.21
27	MP1B	Mx	.041	1.21
28	MP1B	X	0	4.7
29	MP1B	Z	-66.107	4.7
30	MP1B	Mx	.041	4.7
31	MP1C	X	0	1.21
32	MP1C	Z	-93.499	1.21
33	MP1C	Mx	-.127	1.21
34	MP1C	X	0	4.7
35	MP1C	Z	-93.499	4.7
36	MP1C	Mx	-.127	4.7
37	MP4A	X	0	1.21
38	MP4A	Z	-104.317	1.21
39	MP4A	Mx	-.031	1.21
40	MP4A	X	0	4.7
41	MP4A	Z	-104.317	4.7
42	MP4A	Mx	-.031	4.7
43	MP4B	X	0	1.21
44	MP4B	Z	-113.83	1.21
45	MP4B	Mx	.147	1.21
46	MP4B	X	0	4.7
47	MP4B	Z	-113.83	4.7
48	MP4B	Mx	.147	4.7
49	MP4C	X	0	1.21
50	MP4C	Z	-62.35	1.21
51	MP4C	Mx	-.062	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
52	MP4C	X	0	4.7
53	MP4C	Z	-62.35	4.7
54	MP4C	Mx	-.062	4.7
55	MP4A	X	0	1.21
56	MP4A	Z	-104.317	1.21
57	MP4A	Mx	.14	1.21
58	MP4A	X	0	4.7
59	MP4A	Z	-104.317	4.7
60	MP4A	Mx	.14	4.7
61	MP4B	X	0	1.21
62	MP4B	Z	-113.83	1.21
63	MP4B	Mx	-.059	1.21
64	MP4B	X	0	4.7
65	MP4B	Z	-113.83	4.7
66	MP4B	Mx	-.059	4.7
67	MP4C	X	0	1.21
68	MP4C	Z	-62.35	1.21
69	MP4C	Mx	-.052	1.21
70	MP4C	X	0	4.7
71	MP4C	Z	-62.35	4.7
72	MP4C	Mx	-.052	4.7
73	MP3A	X	0	1
74	MP3A	Z	-30.935	1
75	MP3A	Mx	0	1
76	MP3B	X	0	1
77	MP3B	Z	-12.284	1
78	MP3B	Mx	.004	1
79	MP3C	X	0	1
80	MP3C	Z	-12.284	1
81	MP3C	Mx	-.004	1
82	MP3A	X	0	2.5
83	MP3A	Z	-68.126	2.5
84	MP3A	Mx	0	2.5
85	MP3A	X	0	4.5
86	MP3A	Z	-68.126	4.5
87	MP3A	Mx	0	4.5
88	MP3B	X	0	2.5
89	MP3B	Z	-34.628	2.5
90	MP3B	Mx	.015	2.5
91	MP3B	X	0	4.5
92	MP3B	Z	-34.628	4.5
93	MP3B	Mx	.015	4.5
94	MP3C	X	0	2.5
95	MP3C	Z	-34.628	2.5
96	MP3C	Mx	-.015	2.5
97	MP3C	X	0	4.5
98	MP3C	Z	-34.628	4.5
99	MP3C	Mx	-.015	4.5
100	MP1A	X	0	2.25
101	MP1A	Z	-53.875	2.25
102	MP1A	Mx	-.036	2.25
103	MP1B	X	0	2.25
104	MP1B	Z	-35.627	2.25
105	MP1B	Mx	-.004	2.25
106	MP1C	X	0	2.25
107	MP1C	Z	-35.627	2.25
108	MP1C	Mx	.027	2.25
109	MP1A	X	0	2.25
110	MP1A	Z	-52.687	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
111	MP1A	Mx	.041	2.25
112	MP1B	X	0	2.25
113	MP1B	Z	-37.336	2.25
114	MP1B	Mx	-.024	2.25
115	MP1C	X	0	2.25
116	MP1C	Z	-45.012	2.25
117	MP1C	Mx	-.005	2.25
118	MP4A	X	0	2.25
119	MP4A	Z	-53.875	2.25
120	MP4A	Mx	.036	2.25
121	MP4B	X	0	2.25
122	MP4B	Z	-35.627	2.25
123	MP4B	Mx	-.027	2.25
124	MP4C	X	0	2.25
125	MP4C	Z	-35.627	2.25
126	MP4C	Mx	.004	2.25
127	MP4A	X	0	2.25
128	MP4A	Z	-53.875	2.25
129	MP4A	Mx	-.036	2.25
130	MP4B	X	0	2.25
131	MP4B	Z	-40.58	2.25
132	MP4B	Mx	-.004	2.25
133	MP4C	X	0	2.25
134	MP4C	Z	-40.58	2.25
135	MP4C	Mx	.031	2.25
136	MP1A	X	0	5
137	MP1A	Z	-31.751	5
138	MP1A	Mx	.004	5
139	MP1B	X	0	5
140	MP1B	Z	-11.656	5
141	MP1B	Mx	-.006	5
142	MP1C	X	0	5
143	MP1C	Z	-21.703	5
144	MP1C	Mx	.008	5
145	MP4A	X	0	5
146	MP4A	Z	-25.672	5
147	MP4A	Mx	-.007	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	46.75	1.21
2	MP1A	Z	-80.973	1.21
3	MP1A	Mx	-.127	1.21
4	MP1A	X	46.75	4.7
5	MP1A	Z	-80.973	4.7
6	MP1A	Mx	-.127	4.7
7	MP1B	X	33.053	1.21
8	MP1B	Z	-57.25	1.21
9	MP1B	Mx	.041	1.21
10	MP1B	X	33.053	4.7
11	MP1B	Z	-57.25	4.7
12	MP1B	Mx	.041	4.7
13	MP1C	X	60.446	1.21
14	MP1C	Z	-104.695	1.21
15	MP1C	Mx	.088	1.21
16	MP1C	X	60.446	4.7
17	MP1C	Z	-104.695	4.7
18	MP1C	Mx	.088	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
19	MP1A	X	46.75	1.21
20	MP1A	Z	-80.973	1.21
21	MP1A	Mx	.006	1.21
22	MP1A	X	46.75	4.7
23	MP1A	Z	-80.973	4.7
24	MP1A	Mx	.006	4.7
25	MP1B	X	33.053	1.21
26	MP1B	Z	-57.25	1.21
27	MP1B	Mx	.076	1.21
28	MP1B	X	33.053	4.7
29	MP1B	Z	-57.25	4.7
30	MP1B	Mx	.076	4.7
31	MP1C	X	60.446	1.21
32	MP1C	Z	-104.695	1.21
33	MP1C	Mx	-.145	1.21
34	MP1C	X	60.446	4.7
35	MP1C	Z	-104.695	4.7
36	MP1C	Mx	-.145	4.7
37	MP4A	X	62.324	1.21
38	MP4A	Z	-107.949	1.21
39	MP4A	Mx	-.114	1.21
40	MP4A	X	62.324	4.7
41	MP4A	Z	-107.949	4.7
42	MP4A	Mx	-.114	4.7
43	MP4B	X	41.341	1.21
44	MP4B	Z	-71.604	1.21
45	MP4B	Mx	.11	1.21
46	MP4B	X	41.341	4.7
47	MP4B	Z	-71.604	4.7
48	MP4B	Mx	.11	4.7
49	MP4C	X	36.584	1.21
50	MP4C	Z	-63.365	1.21
51	MP4C	Mx	-.03	1.21
52	MP4C	X	36.584	4.7
53	MP4C	Z	-63.365	4.7
54	MP4C	Mx	-.03	4.7
55	MP4A	X	62.324	1.21
56	MP4A	Z	-107.949	1.21
57	MP4A	Mx	.134	1.21
58	MP4A	X	62.324	4.7
59	MP4A	Z	-107.949	4.7
60	MP4A	Mx	.134	4.7
61	MP4B	X	41.341	1.21
62	MP4B	Z	-71.604	1.21
63	MP4B	Mx	.015	1.21
64	MP4B	X	41.341	4.7
65	MP4B	Z	-71.604	4.7
66	MP4B	Mx	.015	4.7
67	MP4C	X	36.584	1.21
68	MP4C	Z	-63.365	1.21
69	MP4C	Mx	-.092	1.21
70	MP4C	X	36.584	4.7
71	MP4C	Z	-63.365	4.7
72	MP4C	Mx	-.092	4.7
73	MP3A	X	12.359	1
74	MP3A	Z	-21.406	1
75	MP3A	Mx	-.005	1
76	MP3B	X	3.033	1
77	MP3B	Z	-5.254	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
78	MP3B	Mx	.003	1
79	MP3C	X	12.359	1
80	MP3C	Z	-21.406	1
81	MP3C	Mx	-.005	1
82	MP3A	X	28.48	2.5
83	MP3A	Z	-49.329	2.5
84	MP3A	Mx	-.014	2.5
85	MP3A	X	28.48	4.5
86	MP3A	Z	-49.329	4.5
87	MP3A	Mx	-.014	4.5
88	MP3B	X	11.731	2.5
89	MP3B	Z	-20.318	2.5
90	MP3B	Mx	.012	2.5
91	MP3B	X	11.731	4.5
92	MP3B	Z	-20.318	4.5
93	MP3B	Mx	.012	4.5
94	MP3C	X	28.48	2.5
95	MP3C	Z	-49.329	2.5
96	MP3C	Mx	-.014	2.5
97	MP3C	X	28.48	4.5
98	MP3C	Z	-49.329	4.5
99	MP3C	Mx	-.014	4.5
100	MP1A	X	23.896	2.25
101	MP1A	Z	-41.389	2.25
102	MP1A	Mx	-.016	2.25
103	MP1B	X	14.772	2.25
104	MP1B	Z	-25.586	2.25
105	MP1B	Mx	-.015	2.25
106	MP1C	X	23.896	2.25
107	MP1C	Z	-41.389	2.25
108	MP1C	Mx	.04	2.25
109	MP1A	X	22.506	2.25
110	MP1A	Z	-38.981	2.25
111	MP1A	Mx	.037	2.25
112	MP1B	X	18.668	2.25
113	MP1B	Z	-32.334	2.25
114	MP1B	Mx	-.012	2.25
115	MP1C	X	26.344	2.25
116	MP1C	Z	-45.629	2.25
117	MP1C	Mx	-.027	2.25
118	MP4A	X	23.896	2.25
119	MP4A	Z	-41.389	2.25
120	MP4A	Mx	.04	2.25
121	MP4B	X	14.772	2.25
122	MP4B	Z	-25.586	2.25
123	MP4B	Mx	-.015	2.25
124	MP4C	X	23.896	2.25
125	MP4C	Z	-41.389	2.25
126	MP4C	Mx	-.016	2.25
127	MP4A	X	24.722	2.25
128	MP4A	Z	-42.819	2.25
129	MP4A	Mx	-.016	2.25
130	MP4B	X	18.074	2.25
131	MP4B	Z	-31.305	2.25
132	MP4B	Mx	-.018	2.25
133	MP4C	X	24.722	2.25
134	MP4C	Z	-42.819	2.25
135	MP4C	Mx	.041	2.25
136	MP1A	X	10.852	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
137	MP1A	Z	-18.796	5
138	MP1A	Mx	.008	5
139	MP1B	X	5.828	5
140	MP1B	Z	-10.094	5
141	MP1B	Mx	-.006	5
142	MP1C	X	15.875	5
143	MP1C	Z	-27.497	5
144	MP1C	Mx	.004	5
145	MP4A	X	16.564	5
146	MP4A	Z	-28.691	5
147	MP4A	Mx	-.001	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	57.25	1.21
2	MP1A	Z	-33.053	1.21
3	MP1A	Mx	-.076	1.21
4	MP1A	X	57.25	4.7
5	MP1A	Z	-33.053	4.7
6	MP1A	Mx	-.076	4.7
7	MP1B	X	80.973	1.21
8	MP1B	Z	-46.75	1.21
9	MP1B	Mx	-.006	1.21
10	MP1B	X	80.973	4.7
11	MP1B	Z	-46.75	4.7
12	MP1B	Mx	-.006	4.7
13	MP1C	X	104.695	1.21
14	MP1C	Z	-60.446	1.21
15	MP1C	Mx	.145	1.21
16	MP1C	X	104.695	4.7
17	MP1C	Z	-60.446	4.7
18	MP1C	Mx	.145	4.7
19	MP1A	X	57.25	1.21
20	MP1A	Z	-33.053	1.21
21	MP1A	Mx	-.041	1.21
22	MP1A	X	57.25	4.7
23	MP1A	Z	-33.053	4.7
24	MP1A	Mx	-.041	4.7
25	MP1B	X	80.973	1.21
26	MP1B	Z	-46.75	1.21
27	MP1B	Mx	.127	1.21
28	MP1B	X	80.973	4.7
29	MP1B	Z	-46.75	4.7
30	MP1B	Mx	.127	4.7
31	MP1C	X	104.695	1.21
32	MP1C	Z	-60.446	1.21
33	MP1C	Mx	-.088	1.21
34	MP1C	X	104.695	4.7
35	MP1C	Z	-60.446	4.7
36	MP1C	Mx	-.088	4.7
37	MP4A	X	98.58	1.21
38	MP4A	Z	-56.915	1.21
39	MP4A	Mx	-.147	1.21
40	MP4A	X	98.58	4.7
41	MP4A	Z	-56.915	4.7
42	MP4A	Mx	-.147	4.7
43	MP4B	X	53.997	1.21
44	MP4B	Z	-31.175	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
45	MP4B	Mx	.062	1.21
46	MP4B	X	53.997	4.7
47	MP4B	Z	-31.175	4.7
48	MP4B	Mx	.062	4.7
49	MP4C	X	90.341	1.21
50	MP4C	Z	-52.159	1.21
51	MP4C	Mx	.031	1.21
52	MP4C	X	90.341	4.7
53	MP4C	Z	-52.159	4.7
54	MP4C	Mx	.031	4.7
55	MP4A	X	98.58	1.21
56	MP4A	Z	-56.915	1.21
57	MP4A	Mx	.059	1.21
58	MP4A	X	98.58	4.7
59	MP4A	Z	-56.915	4.7
60	MP4A	Mx	.059	4.7
61	MP4B	X	53.997	1.21
62	MP4B	Z	-31.175	1.21
63	MP4B	Mx	.052	1.21
64	MP4B	X	53.997	4.7
65	MP4B	Z	-31.175	4.7
66	MP4B	Mx	.052	4.7
67	MP4C	X	90.341	1.21
68	MP4C	Z	-52.159	1.21
69	MP4C	Mx	-.14	1.21
70	MP4C	X	90.341	4.7
71	MP4C	Z	-52.159	4.7
72	MP4C	Mx	-.14	4.7
73	MP3A	X	10.638	1
74	MP3A	Z	-6.142	1
75	MP3A	Mx	-.004	1
76	MP3B	X	10.638	1
77	MP3B	Z	-6.142	1
78	MP3B	Mx	.004	1
79	MP3C	X	26.79	1
80	MP3C	Z	-15.467	1
81	MP3C	Mx	0	1
82	MP3A	X	29.988	2.5
83	MP3A	Z	-17.314	2.5
84	MP3A	Mx	-.015	2.5
85	MP3A	X	29.988	4.5
86	MP3A	Z	-17.314	4.5
87	MP3A	Mx	-.015	4.5
88	MP3B	X	29.988	2.5
89	MP3B	Z	-17.314	2.5
90	MP3B	Mx	.015	2.5
91	MP3B	X	29.988	4.5
92	MP3B	Z	-17.314	4.5
93	MP3B	Mx	.015	4.5
94	MP3C	X	58.999	2.5
95	MP3C	Z	-34.063	2.5
96	MP3C	Mx	0	2.5
97	MP3C	X	58.999	4.5
98	MP3C	Z	-34.063	4.5
99	MP3C	Mx	0	4.5
100	MP1A	X	30.854	2.25
101	MP1A	Z	-17.813	2.25
102	MP1A	Mx	.004	2.25
103	MP1B	X	30.854	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
104	MP1B	Z	-17.813	2.25
105	MP1B	Mx	-.027	2.25
106	MP1C	X	46.657	2.25
107	MP1C	Z	-26.937	2.25
108	MP1C	Mx	.036	2.25
109	MP1A	X	32.334	2.25
110	MP1A	Z	-18.668	2.25
111	MP1A	Mx	.024	2.25
112	MP1B	X	38.981	2.25
113	MP1B	Z	-22.506	2.25
114	MP1B	Mx	.005	2.25
115	MP1C	X	45.629	2.25
116	MP1C	Z	-26.344	2.25
117	MP1C	Mx	-.041	2.25
118	MP4A	X	30.854	2.25
119	MP4A	Z	-17.813	2.25
120	MP4A	Mx	.027	2.25
121	MP4B	X	30.854	2.25
122	MP4B	Z	-17.813	2.25
123	MP4B	Mx	-.004	2.25
124	MP4C	X	46.657	2.25
125	MP4C	Z	-26.937	2.25
126	MP4C	Mx	-.036	2.25
127	MP4A	X	35.143	2.25
128	MP4A	Z	-20.29	2.25
129	MP4A	Mx	.004	2.25
130	MP4B	X	35.143	2.25
131	MP4B	Z	-20.29	2.25
132	MP4B	Mx	-.031	2.25
133	MP4C	X	46.657	2.25
134	MP4C	Z	-26.937	2.25
135	MP4C	Mx	.036	2.25
136	MP1A	X	10.094	5
137	MP1A	Z	-5.828	5
138	MP1A	Mx	.006	5
139	MP1B	X	18.796	5
140	MP1B	Z	-10.852	5
141	MP1B	Mx	-.008	5
142	MP1C	X	27.497	5
143	MP1C	Z	-15.875	5
144	MP1C	Mx	-.004	5
145	MP4A	X	25.254	5
146	MP4A	Z	-14.58	5
147	MP4A	Mx	.006	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	66.107	1.21
2	MP1A	Z	0	1.21
3	MP1A	Mx	-.041	1.21
4	MP1A	X	66.107	4.7
5	MP1A	Z	0	4.7
6	MP1A	Mx	-.041	4.7
7	MP1B	X	120.891	1.21
8	MP1B	Z	0	1.21
9	MP1B	Mx	-.088	1.21
10	MP1B	X	120.891	4.7
11	MP1B	Z	0	4.7



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
12	MP1B	Mx	-.088	4.7
13	MP1C	X	93.499	1.21
14	MP1C	Z	0	1.21
15	MP1C	Mx	.127	1.21
16	MP1C	X	93.499	4.7
17	MP1C	Z	0	4.7
18	MP1C	Mx	.127	4.7
19	MP1A	X	66.107	1.21
20	MP1A	Z	0	1.21
21	MP1A	Mx	-.076	1.21
22	MP1A	X	66.107	4.7
23	MP1A	Z	0	4.7
24	MP1A	Mx	-.076	4.7
25	MP1B	X	120.891	1.21
26	MP1B	Z	0	1.21
27	MP1B	Mx	.145	1.21
28	MP1B	X	120.891	4.7
29	MP1B	Z	0	4.7
30	MP1B	Mx	.145	4.7
31	MP1C	X	93.499	1.21
32	MP1C	Z	0	1.21
33	MP1C	Mx	-.006	1.21
34	MP1C	X	93.499	4.7
35	MP1C	Z	0	4.7
36	MP1C	Mx	-.006	4.7
37	MP4A	X	82.681	1.21
38	MP4A	Z	0	1.21
39	MP4A	Mx	-.11	1.21
40	MP4A	X	82.681	4.7
41	MP4A	Z	0	4.7
42	MP4A	Mx	-.11	4.7
43	MP4B	X	73.168	1.21
44	MP4B	Z	0	1.21
45	MP4B	Mx	.03	1.21
46	MP4B	X	73.168	4.7
47	MP4B	Z	0	4.7
48	MP4B	Mx	.03	4.7
49	MP4C	X	124.648	1.21
50	MP4C	Z	0	1.21
51	MP4C	Mx	.114	1.21
52	MP4C	X	124.648	4.7
53	MP4C	Z	0	4.7
54	MP4C	Mx	.114	4.7
55	MP4A	X	82.681	1.21
56	MP4A	Z	0	1.21
57	MP4A	Mx	-.015	1.21
58	MP4A	X	82.681	4.7
59	MP4A	Z	0	4.7
60	MP4A	Mx	-.015	4.7
61	MP4B	X	73.168	1.21
62	MP4B	Z	0	1.21
63	MP4B	Mx	.092	1.21
64	MP4B	X	73.168	4.7
65	MP4B	Z	0	4.7
66	MP4B	Mx	.092	4.7
67	MP4C	X	124.648	1.21
68	MP4C	Z	0	1.21
69	MP4C	Mx	-.134	1.21
70	MP4C	X	124.648	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
71	MP4C	Z	0	4.7
72	MP4C	Mx	-.134	4.7
73	MP3A	X	6.066	1
74	MP3A	Z	0	1
75	MP3A	Mx	-.003	1
76	MP3B	X	24.718	1
77	MP3B	Z	0	1
78	MP3B	Mx	.005	1
79	MP3C	X	24.718	1
80	MP3C	Z	0	1
81	MP3C	Mx	.005	1
82	MP3A	X	23.462	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	-.012	2.5
85	MP3A	X	23.462	4.5
86	MP3A	Z	0	4.5
87	MP3A	Mx	-.012	4.5
88	MP3B	X	56.96	2.5
89	MP3B	Z	0	2.5
90	MP3B	Mx	.014	2.5
91	MP3B	X	56.96	4.5
92	MP3B	Z	0	4.5
93	MP3B	Mx	.014	4.5
94	MP3C	X	56.96	2.5
95	MP3C	Z	0	2.5
96	MP3C	Mx	.014	2.5
97	MP3C	X	56.96	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	.014	4.5
100	MP1A	X	29.544	2.25
101	MP1A	Z	0	2.25
102	MP1A	Mx	.015	2.25
103	MP1B	X	47.792	2.25
104	MP1B	Z	0	2.25
105	MP1B	Mx	-.04	2.25
106	MP1C	X	47.792	2.25
107	MP1C	Z	0	2.25
108	MP1C	Mx	.016	2.25
109	MP1A	X	37.336	2.25
110	MP1A	Z	0	2.25
111	MP1A	Mx	.012	2.25
112	MP1B	X	52.687	2.25
113	MP1B	Z	0	2.25
114	MP1B	Mx	.027	2.25
115	MP1C	X	45.012	2.25
116	MP1C	Z	0	2.25
117	MP1C	Mx	-.037	2.25
118	MP4A	X	29.544	2.25
119	MP4A	Z	0	2.25
120	MP4A	Mx	.015	2.25
121	MP4B	X	47.792	2.25
122	MP4B	Z	0	2.25
123	MP4B	Mx	.016	2.25
124	MP4C	X	47.792	2.25
125	MP4C	Z	0	2.25
126	MP4C	Mx	-.04	2.25
127	MP4A	X	36.148	2.25
128	MP4A	Z	0	2.25
129	MP4A	Mx	.018	2.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
130	MP4B	X	49.443	2.25
131	MP4B	Z	0	2.25
132	MP4B	Mx	-.041	2.25
133	MP4C	X	49.443	2.25
134	MP4C	Z	0	2.25
135	MP4C	Mx	.016	2.25
136	MP1A	X	11.656	5
137	MP1A	Z	0	5
138	MP1A	Mx	.006	5
139	MP1B	X	31.751	5
140	MP1B	Z	0	5
141	MP1B	Mx	-.004	5
142	MP1C	X	21.703	5
143	MP1C	Z	0	5
144	MP1C	Mx	-.008	5
145	MP4A	X	17.735	5
146	MP4A	Z	0	5
147	MP4A	Mx	.007	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	80.973	1.21
2	MP1A	Z	46.75	1.21
3	MP1A	Mx	.006	1.21
4	MP1A	X	80.973	4.7
5	MP1A	Z	46.75	4.7
6	MP1A	Mx	.006	4.7
7	MP1B	X	104.695	1.21
8	MP1B	Z	60.446	1.21
9	MP1B	Mx	-.145	1.21
10	MP1B	X	104.695	4.7
11	MP1B	Z	60.446	4.7
12	MP1B	Mx	-.145	4.7
13	MP1C	X	57.25	1.21
14	MP1C	Z	33.053	1.21
15	MP1C	Mx	.076	1.21
16	MP1C	X	57.25	4.7
17	MP1C	Z	33.053	4.7
18	MP1C	Mx	.076	4.7
19	MP1A	X	80.973	1.21
20	MP1A	Z	46.75	1.21
21	MP1A	Mx	-.127	1.21
22	MP1A	X	80.973	4.7
23	MP1A	Z	46.75	4.7
24	MP1A	Mx	-.127	4.7
25	MP1B	X	104.695	1.21
26	MP1B	Z	60.446	1.21
27	MP1B	Mx	.088	1.21
28	MP1B	X	104.695	4.7
29	MP1B	Z	60.446	4.7
30	MP1B	Mx	.088	4.7
31	MP1C	X	57.25	1.21
32	MP1C	Z	33.053	1.21
33	MP1C	Mx	.041	1.21
34	MP1C	X	57.25	4.7
35	MP1C	Z	33.053	4.7
36	MP1C	Mx	.041	4.7
37	MP4A	X	53.997	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
38	MP4A	Z	31.175	1.21
39	MP4A	Mx	-.062	1.21
40	MP4A	X	53.997	4.7
41	MP4A	Z	31.175	4.7
42	MP4A	Mx	-.062	4.7
43	MP4B	X	90.341	1.21
44	MP4B	Z	52.159	1.21
45	MP4B	Mx	-.031	1.21
46	MP4B	X	90.341	4.7
47	MP4B	Z	52.159	4.7
48	MP4B	Mx	-.031	4.7
49	MP4C	X	98.58	1.21
50	MP4C	Z	56.915	1.21
51	MP4C	Mx	.147	1.21
52	MP4C	X	98.58	4.7
53	MP4C	Z	56.915	4.7
54	MP4C	Mx	.147	4.7
55	MP4A	X	53.997	1.21
56	MP4A	Z	31.175	1.21
57	MP4A	Mx	-.052	1.21
58	MP4A	X	53.997	4.7
59	MP4A	Z	31.175	4.7
60	MP4A	Mx	-.052	4.7
61	MP4B	X	90.341	1.21
62	MP4B	Z	52.159	1.21
63	MP4B	Mx	.14	1.21
64	MP4B	X	90.341	4.7
65	MP4B	Z	52.159	4.7
66	MP4B	Mx	.14	4.7
67	MP4C	X	98.58	1.21
68	MP4C	Z	56.915	1.21
69	MP4C	Mx	-.059	1.21
70	MP4C	X	98.58	4.7
71	MP4C	Z	56.915	4.7
72	MP4C	Mx	-.059	4.7
73	MP3A	X	10.638	1
74	MP3A	Z	6.142	1
75	MP3A	Mx	-.004	1
76	MP3B	X	26.79	1
77	MP3B	Z	15.467	1
78	MP3B	Mx	0	1
79	MP3C	X	10.638	1
80	MP3C	Z	6.142	1
81	MP3C	Mx	.004	1
82	MP3A	X	29.988	2.5
83	MP3A	Z	17.314	2.5
84	MP3A	Mx	-.015	2.5
85	MP3A	X	29.988	4.5
86	MP3A	Z	17.314	4.5
87	MP3A	Mx	-.015	4.5
88	MP3B	X	58.999	2.5
89	MP3B	Z	34.063	2.5
90	MP3B	Mx	0	2.5
91	MP3B	X	58.999	4.5
92	MP3B	Z	34.063	4.5
93	MP3B	Mx	0	4.5
94	MP3C	X	29.988	2.5
95	MP3C	Z	17.314	2.5
96	MP3C	Mx	.015	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
97	MP3C	X	29.988	4.5
98	MP3C	Z	17.314	4.5
99	MP3C	Mx	.015	4.5
100	MP1A	X	30.854	2.25
101	MP1A	Z	17.813	2.25
102	MP1A	Mx	.027	2.25
103	MP1B	X	46.657	2.25
104	MP1B	Z	26.937	2.25
105	MP1B	Mx	-.036	2.25
106	MP1C	X	30.854	2.25
107	MP1C	Z	17.813	2.25
108	MP1C	Mx	-.004	2.25
109	MP1A	X	38.981	2.25
110	MP1A	Z	22.506	2.25
111	MP1A	Mx	-.005	2.25
112	MP1B	X	45.629	2.25
113	MP1B	Z	26.344	2.25
114	MP1B	Mx	.041	2.25
115	MP1C	X	32.334	2.25
116	MP1C	Z	18.668	2.25
117	MP1C	Mx	-.024	2.25
118	MP4A	X	30.854	2.25
119	MP4A	Z	17.813	2.25
120	MP4A	Mx	.004	2.25
121	MP4B	X	46.657	2.25
122	MP4B	Z	26.937	2.25
123	MP4B	Mx	.036	2.25
124	MP4C	X	30.854	2.25
125	MP4C	Z	17.813	2.25
126	MP4C	Mx	-.027	2.25
127	MP4A	X	35.143	2.25
128	MP4A	Z	20.29	2.25
129	MP4A	Mx	.031	2.25
130	MP4B	X	46.657	2.25
131	MP4B	Z	26.937	2.25
132	MP4B	Mx	-.036	2.25
133	MP4C	X	35.143	2.25
134	MP4C	Z	20.29	2.25
135	MP4C	Mx	-.004	2.25
136	MP1A	X	18.796	5
137	MP1A	Z	10.852	5
138	MP1A	Mx	.008	5
139	MP1B	X	27.497	5
140	MP1B	Z	15.875	5
141	MP1B	Mx	.004	5
142	MP1C	X	10.094	5
143	MP1C	Z	5.828	5
144	MP1C	Mx	-.006	5
145	MP4A	X	8.901	5
146	MP4A	Z	5.139	5
147	MP4A	Mx	.005	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	60.446	1.21
2	MP1A	Z	104.695	1.21
3	MP1A	Mx	.088	1.21
4	MP1A	X	60.446	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
5	MP1A	Z	104.695	4.7
6	MP1A	Mx	.088	4.7
7	MP1B	X	46.75	1.21
8	MP1B	Z	80.973	1.21
9	MP1B	Mx	-.127	1.21
10	MP1B	X	46.75	4.7
11	MP1B	Z	80.973	4.7
12	MP1B	Mx	-.127	4.7
13	MP1C	X	33.053	1.21
14	MP1C	Z	57.25	1.21
15	MP1C	Mx	.041	1.21
16	MP1C	X	33.053	4.7
17	MP1C	Z	57.25	4.7
18	MP1C	Mx	.041	4.7
19	MP1A	X	60.446	1.21
20	MP1A	Z	104.695	1.21
21	MP1A	Mx	-.145	1.21
22	MP1A	X	60.446	4.7
23	MP1A	Z	104.695	4.7
24	MP1A	Mx	-.145	4.7
25	MP1B	X	46.75	1.21
26	MP1B	Z	80.973	1.21
27	MP1B	Mx	.006	1.21
28	MP1B	X	46.75	4.7
29	MP1B	Z	80.973	4.7
30	MP1B	Mx	.006	4.7
31	MP1C	X	33.053	1.21
32	MP1C	Z	57.25	1.21
33	MP1C	Mx	.076	1.21
34	MP1C	X	33.053	4.7
35	MP1C	Z	57.25	4.7
36	MP1C	Mx	.076	4.7
37	MP4A	X	36.584	1.21
38	MP4A	Z	63.365	1.21
39	MP4A	Mx	-.03	1.21
40	MP4A	X	36.584	4.7
41	MP4A	Z	63.365	4.7
42	MP4A	Mx	-.03	4.7
43	MP4B	X	62.324	1.21
44	MP4B	Z	107.949	1.21
45	MP4B	Mx	-.114	1.21
46	MP4B	X	62.324	4.7
47	MP4B	Z	107.949	4.7
48	MP4B	Mx	-.114	4.7
49	MP4C	X	41.341	1.21
50	MP4C	Z	71.604	1.21
51	MP4C	Mx	.11	1.21
52	MP4C	X	41.341	4.7
53	MP4C	Z	71.604	4.7
54	MP4C	Mx	.11	4.7
55	MP4A	X	36.584	1.21
56	MP4A	Z	63.365	1.21
57	MP4A	Mx	-.092	1.21
58	MP4A	X	36.584	4.7
59	MP4A	Z	63.365	4.7
60	MP4A	Mx	-.092	4.7
61	MP4B	X	62.324	1.21
62	MP4B	Z	107.949	1.21
63	MP4B	Mx	.134	1.21



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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft, %]
64	MP4B	X	62.324	4.7
65	MP4B	Z	107.949	4.7
66	MP4B	Mx	.134	4.7
67	MP4C	X	41.341	1.21
68	MP4C	Z	71.604	1.21
69	MP4C	Mx	.015	1.21
70	MP4C	X	41.341	4.7
71	MP4C	Z	71.604	4.7
72	MP4C	Mx	.015	4.7
73	MP3A	X	12.359	1
74	MP3A	Z	21.406	1
75	MP3A	Mx	-.005	1
76	MP3B	X	12.359	1
77	MP3B	Z	21.406	1
78	MP3B	Mx	-.005	1
79	MP3C	X	3.033	1
80	MP3C	Z	5.254	1
81	MP3C	Mx	.003	1
82	MP3A	X	28.48	2.5
83	MP3A	Z	49.329	2.5
84	MP3A	Mx	-.014	2.5
85	MP3A	X	28.48	4.5
86	MP3A	Z	49.329	4.5
87	MP3A	Mx	-.014	4.5
88	MP3B	X	28.48	2.5
89	MP3B	Z	49.329	2.5
90	MP3B	Mx	-.014	2.5
91	MP3B	X	28.48	4.5
92	MP3B	Z	49.329	4.5
93	MP3B	Mx	-.014	4.5
94	MP3C	X	11.731	2.5
95	MP3C	Z	20.318	2.5
96	MP3C	Mx	.012	2.5
97	MP3C	X	11.731	4.5
98	MP3C	Z	20.318	4.5
99	MP3C	Mx	.012	4.5
100	MP1A	X	23.896	2.25
101	MP1A	Z	41.389	2.25
102	MP1A	Mx	.04	2.25
103	MP1B	X	23.896	2.25
104	MP1B	Z	41.389	2.25
105	MP1B	Mx	-.016	2.25
106	MP1C	X	14.772	2.25
107	MP1C	Z	25.586	2.25
108	MP1C	Mx	-.015	2.25
109	MP1A	X	26.344	2.25
110	MP1A	Z	45.629	2.25
111	MP1A	Mx	-.027	2.25
112	MP1B	X	22.506	2.25
113	MP1B	Z	38.981	2.25
114	MP1B	Mx	.037	2.25
115	MP1C	X	18.668	2.25
116	MP1C	Z	32.334	2.25
117	MP1C	Mx	-.012	2.25
118	MP4A	X	23.896	2.25
119	MP4A	Z	41.389	2.25
120	MP4A	Mx	-.016	2.25
121	MP4B	X	23.896	2.25
122	MP4B	Z	41.389	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
123	MP4B	Mx	.04	2.25
124	MP4C	X	14.772	2.25
125	MP4C	Z	25.586	2.25
126	MP4C	Mx	-.015	2.25
127	MP4A	X	24.722	2.25
128	MP4A	Z	42.819	2.25
129	MP4A	Mx	.041	2.25
130	MP4B	X	24.722	2.25
131	MP4B	Z	42.819	2.25
132	MP4B	Mx	-.016	2.25
133	MP4C	X	18.074	2.25
134	MP4C	Z	31.305	2.25
135	MP4C	Mx	-.018	2.25
136	MP1A	X	15.875	5
137	MP1A	Z	27.497	5
138	MP1A	Mx	.004	5
139	MP1B	X	10.852	5
140	MP1B	Z	18.796	5
141	MP1B	Mx	.008	5
142	MP1C	X	5.828	5
143	MP1C	Z	10.094	5
144	MP1C	Mx	-.006	5
145	MP4A	X	7.123	5
146	MP4A	Z	12.337	5
147	MP4A	Mx	.006	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	0	1.21
2	MP1A	Z	120.891	1.21
3	MP1A	Mx	.145	1.21
4	MP1A	X	0	4.7
5	MP1A	Z	120.891	4.7
6	MP1A	Mx	.145	4.7
7	MP1B	X	0	1.21
8	MP1B	Z	66.107	1.21
9	MP1B	Mx	-.076	1.21
10	MP1B	X	0	4.7
11	MP1B	Z	66.107	4.7
12	MP1B	Mx	-.076	4.7
13	MP1C	X	0	1.21
14	MP1C	Z	93.499	1.21
15	MP1C	Mx	-.006	1.21
16	MP1C	X	0	4.7
17	MP1C	Z	93.499	4.7
18	MP1C	Mx	-.006	4.7
19	MP1A	X	0	1.21
20	MP1A	Z	120.891	1.21
21	MP1A	Mx	-.088	1.21
22	MP1A	X	0	4.7
23	MP1A	Z	120.891	4.7
24	MP1A	Mx	-.088	4.7
25	MP1B	X	0	1.21
26	MP1B	Z	66.107	1.21
27	MP1B	Mx	-.041	1.21
28	MP1B	X	0	4.7
29	MP1B	Z	66.107	4.7
30	MP1B	Mx	-.041	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
31	MP1C	X	0	1.21
32	MP1C	Z	93.499	1.21
33	MP1C	Mx	.127	1.21
34	MP1C	X	0	4.7
35	MP1C	Z	93.499	4.7
36	MP1C	Mx	.127	4.7
37	MP4A	X	0	1.21
38	MP4A	Z	104.317	1.21
39	MP4A	Mx	.031	1.21
40	MP4A	X	0	4.7
41	MP4A	Z	104.317	4.7
42	MP4A	Mx	.031	4.7
43	MP4B	X	0	1.21
44	MP4B	Z	113.83	1.21
45	MP4B	Mx	-.147	1.21
46	MP4B	X	0	4.7
47	MP4B	Z	113.83	4.7
48	MP4B	Mx	-.147	4.7
49	MP4C	X	0	1.21
50	MP4C	Z	62.35	1.21
51	MP4C	Mx	.062	1.21
52	MP4C	X	0	4.7
53	MP4C	Z	62.35	4.7
54	MP4C	Mx	.062	4.7
55	MP4A	X	0	1.21
56	MP4A	Z	104.317	1.21
57	MP4A	Mx	-.14	1.21
58	MP4A	X	0	4.7
59	MP4A	Z	104.317	4.7
60	MP4A	Mx	-.14	4.7
61	MP4B	X	0	1.21
62	MP4B	Z	113.83	1.21
63	MP4B	Mx	.059	1.21
64	MP4B	X	0	4.7
65	MP4B	Z	113.83	4.7
66	MP4B	Mx	.059	4.7
67	MP4C	X	0	1.21
68	MP4C	Z	62.35	1.21
69	MP4C	Mx	.052	1.21
70	MP4C	X	0	4.7
71	MP4C	Z	62.35	4.7
72	MP4C	Mx	.052	4.7
73	MP3A	X	0	1
74	MP3A	Z	30.935	1
75	MP3A	Mx	0	1
76	MP3B	X	0	1
77	MP3B	Z	12.284	1
78	MP3B	Mx	-.004	1
79	MP3C	X	0	1
80	MP3C	Z	12.284	1
81	MP3C	Mx	.004	1
82	MP3A	X	0	2.5
83	MP3A	Z	68.126	2.5
84	MP3A	Mx	0	2.5
85	MP3A	X	0	4.5
86	MP3A	Z	68.126	4.5
87	MP3A	Mx	0	4.5
88	MP3B	X	0	2.5
89	MP3B	Z	34.628	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
90	MP3B	Mx	-.015	2.5
91	MP3B	X	0	4.5
92	MP3B	Z	34.628	4.5
93	MP3B	Mx	-.015	4.5
94	MP3C	X	0	2.5
95	MP3C	Z	34.628	2.5
96	MP3C	Mx	.015	2.5
97	MP3C	X	0	4.5
98	MP3C	Z	34.628	4.5
99	MP3C	Mx	.015	4.5
100	MP1A	X	0	2.25
101	MP1A	Z	53.875	2.25
102	MP1A	Mx	.036	2.25
103	MP1B	X	0	2.25
104	MP1B	Z	35.627	2.25
105	MP1B	Mx	.004	2.25
106	MP1C	X	0	2.25
107	MP1C	Z	35.627	2.25
108	MP1C	Mx	-.027	2.25
109	MP1A	X	0	2.25
110	MP1A	Z	52.687	2.25
111	MP1A	Mx	-.041	2.25
112	MP1B	X	0	2.25
113	MP1B	Z	37.336	2.25
114	MP1B	Mx	.024	2.25
115	MP1C	X	0	2.25
116	MP1C	Z	45.012	2.25
117	MP1C	Mx	.005	2.25
118	MP4A	X	0	2.25
119	MP4A	Z	53.875	2.25
120	MP4A	Mx	-.036	2.25
121	MP4B	X	0	2.25
122	MP4B	Z	35.627	2.25
123	MP4B	Mx	.027	2.25
124	MP4C	X	0	2.25
125	MP4C	Z	35.627	2.25
126	MP4C	Mx	-.004	2.25
127	MP4A	X	0	2.25
128	MP4A	Z	53.875	2.25
129	MP4A	Mx	.036	2.25
130	MP4B	X	0	2.25
131	MP4B	Z	40.58	2.25
132	MP4B	Mx	.004	2.25
133	MP4C	X	0	2.25
134	MP4C	Z	40.58	2.25
135	MP4C	Mx	-.031	2.25
136	MP1A	X	0	5
137	MP1A	Z	31.751	5
138	MP1A	Mx	-.004	5
139	MP1B	X	0	5
140	MP1B	Z	11.656	5
141	MP1B	Mx	.006	5
142	MP1C	X	0	5
143	MP1C	Z	21.703	5
144	MP1C	Mx	-.008	5
145	MP4A	X	0	5
146	MP4A	Z	25.672	5
147	MP4A	Mx	.007	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-46.75	1.21
2	MP1A	Z	80.973	1.21
3	MP1A	Mx	.127	1.21
4	MP1A	X	-46.75	4.7
5	MP1A	Z	80.973	4.7
6	MP1A	Mx	.127	4.7
7	MP1B	X	-33.053	1.21
8	MP1B	Z	57.25	1.21
9	MP1B	Mx	-.041	1.21
10	MP1B	X	-33.053	4.7
11	MP1B	Z	57.25	4.7
12	MP1B	Mx	-.041	4.7
13	MP1C	X	-60.446	1.21
14	MP1C	Z	104.695	1.21
15	MP1C	Mx	-.088	1.21
16	MP1C	X	-60.446	4.7
17	MP1C	Z	104.695	4.7
18	MP1C	Mx	-.088	4.7
19	MP1A	X	-46.75	1.21
20	MP1A	Z	80.973	1.21
21	MP1A	Mx	-.006	1.21
22	MP1A	X	-46.75	4.7
23	MP1A	Z	80.973	4.7
24	MP1A	Mx	-.006	4.7
25	MP1B	X	-33.053	1.21
26	MP1B	Z	57.25	1.21
27	MP1B	Mx	-.076	1.21
28	MP1B	X	-33.053	4.7
29	MP1B	Z	57.25	4.7
30	MP1B	Mx	-.076	4.7
31	MP1C	X	-60.446	1.21
32	MP1C	Z	104.695	1.21
33	MP1C	Mx	.145	1.21
34	MP1C	X	-60.446	4.7
35	MP1C	Z	104.695	4.7
36	MP1C	Mx	.145	4.7
37	MP4A	X	-62.324	1.21
38	MP4A	Z	107.949	1.21
39	MP4A	Mx	.114	1.21
40	MP4A	X	-62.324	4.7
41	MP4A	Z	107.949	4.7
42	MP4A	Mx	.114	4.7
43	MP4B	X	-41.341	1.21
44	MP4B	Z	71.604	1.21
45	MP4B	Mx	-.11	1.21
46	MP4B	X	-41.341	4.7
47	MP4B	Z	71.604	4.7
48	MP4B	Mx	-.11	4.7
49	MP4C	X	-36.584	1.21
50	MP4C	Z	63.365	1.21
51	MP4C	Mx	.03	1.21
52	MP4C	X	-36.584	4.7
53	MP4C	Z	63.365	4.7
54	MP4C	Mx	.03	4.7
55	MP4A	X	-62.324	1.21
56	MP4A	Z	107.949	1.21
57	MP4A	Mx	-.134	1.21
58	MP4A	X	-62.324	4.7
59	MP4A	Z	107.949	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
60	MP4A	Mx	-.134	4.7
61	MP4B	X	-41.341	1.21
62	MP4B	Z	71.604	1.21
63	MP4B	Mx	-.015	1.21
64	MP4B	X	-41.341	4.7
65	MP4B	Z	71.604	4.7
66	MP4B	Mx	-.015	4.7
67	MP4C	X	-36.584	1.21
68	MP4C	Z	63.365	1.21
69	MP4C	Mx	.092	1.21
70	MP4C	X	-36.584	4.7
71	MP4C	Z	63.365	4.7
72	MP4C	Mx	.092	4.7
73	MP3A	X	-12.359	1
74	MP3A	Z	21.406	1
75	MP3A	Mx	.005	1
76	MP3B	X	-3.033	1
77	MP3B	Z	5.254	1
78	MP3B	Mx	-.003	1
79	MP3C	X	-12.359	1
80	MP3C	Z	21.406	1
81	MP3C	Mx	.005	1
82	MP3A	X	-28.48	2.5
83	MP3A	Z	49.329	2.5
84	MP3A	Mx	.014	2.5
85	MP3A	X	-28.48	4.5
86	MP3A	Z	49.329	4.5
87	MP3A	Mx	.014	4.5
88	MP3B	X	-11.731	2.5
89	MP3B	Z	20.318	2.5
90	MP3B	Mx	-.012	2.5
91	MP3B	X	-11.731	4.5
92	MP3B	Z	20.318	4.5
93	MP3B	Mx	-.012	4.5
94	MP3C	X	-28.48	2.5
95	MP3C	Z	49.329	2.5
96	MP3C	Mx	.014	2.5
97	MP3C	X	-28.48	4.5
98	MP3C	Z	49.329	4.5
99	MP3C	Mx	.014	4.5
100	MP1A	X	-23.896	2.25
101	MP1A	Z	41.389	2.25
102	MP1A	Mx	.016	2.25
103	MP1B	X	-14.772	2.25
104	MP1B	Z	25.586	2.25
105	MP1B	Mx	.015	2.25
106	MP1C	X	-23.896	2.25
107	MP1C	Z	41.389	2.25
108	MP1C	Mx	-.04	2.25
109	MP1A	X	-22.506	2.25
110	MP1A	Z	38.981	2.25
111	MP1A	Mx	-.037	2.25
112	MP1B	X	-18.668	2.25
113	MP1B	Z	32.334	2.25
114	MP1B	Mx	.012	2.25
115	MP1C	X	-26.344	2.25
116	MP1C	Z	45.629	2.25
117	MP1C	Mx	.027	2.25
118	MP4A	X	-23.896	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
119	MP4A	Z	41.389	2.25
120	MP4A	Mx	-.04	2.25
121	MP4B	X	-14.772	2.25
122	MP4B	Z	25.586	2.25
123	MP4B	Mx	.015	2.25
124	MP4C	X	-23.896	2.25
125	MP4C	Z	41.389	2.25
126	MP4C	Mx	.016	2.25
127	MP4A	X	-24.722	2.25
128	MP4A	Z	42.819	2.25
129	MP4A	Mx	.016	2.25
130	MP4B	X	-18.074	2.25
131	MP4B	Z	31.305	2.25
132	MP4B	Mx	.018	2.25
133	MP4C	X	-24.722	2.25
134	MP4C	Z	42.819	2.25
135	MP4C	Mx	-.041	2.25
136	MP1A	X	-10.852	5
137	MP1A	Z	18.796	5
138	MP1A	Mx	-.008	5
139	MP1B	X	-5.828	5
140	MP1B	Z	10.094	5
141	MP1B	Mx	.006	5
142	MP1C	X	-15.875	5
143	MP1C	Z	27.497	5
144	MP1C	Mx	-.004	5
145	MP4A	X	-16.564	5
146	MP4A	Z	28.691	5
147	MP4A	Mx	.001	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-57.25	1.21
2	MP1A	Z	33.053	1.21
3	MP1A	Mx	.076	1.21
4	MP1A	X	-57.25	4.7
5	MP1A	Z	33.053	4.7
6	MP1A	Mx	.076	4.7
7	MP1B	X	-80.973	1.21
8	MP1B	Z	46.75	1.21
9	MP1B	Mx	.006	1.21
10	MP1B	X	-80.973	4.7
11	MP1B	Z	46.75	4.7
12	MP1B	Mx	.006	4.7
13	MP1C	X	-104.695	1.21
14	MP1C	Z	60.446	1.21
15	MP1C	Mx	-.145	1.21
16	MP1C	X	-104.695	4.7
17	MP1C	Z	60.446	4.7
18	MP1C	Mx	-.145	4.7
19	MP1A	X	-57.25	1.21
20	MP1A	Z	33.053	1.21
21	MP1A	Mx	.041	1.21
22	MP1A	X	-57.25	4.7
23	MP1A	Z	33.053	4.7
24	MP1A	Mx	.041	4.7
25	MP1B	X	-80.973	1.21
26	MP1B	Z	46.75	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
27	MP1B	Mx	-.127	1.21
28	MP1B	X	-80.973	4.7
29	MP1B	Z	46.75	4.7
30	MP1B	Mx	-.127	4.7
31	MP1C	X	-104.695	1.21
32	MP1C	Z	60.446	1.21
33	MP1C	Mx	.088	1.21
34	MP1C	X	-104.695	4.7
35	MP1C	Z	60.446	4.7
36	MP1C	Mx	.088	4.7
37	MP4A	X	-98.58	1.21
38	MP4A	Z	56.915	1.21
39	MP4A	Mx	.147	1.21
40	MP4A	X	-98.58	4.7
41	MP4A	Z	56.915	4.7
42	MP4A	Mx	.147	4.7
43	MP4B	X	-53.997	1.21
44	MP4B	Z	31.175	1.21
45	MP4B	Mx	-.062	1.21
46	MP4B	X	-53.997	4.7
47	MP4B	Z	31.175	4.7
48	MP4B	Mx	-.062	4.7
49	MP4C	X	-90.341	1.21
50	MP4C	Z	52.159	1.21
51	MP4C	Mx	-.031	1.21
52	MP4C	X	-90.341	4.7
53	MP4C	Z	52.159	4.7
54	MP4C	Mx	-.031	4.7
55	MP4A	X	-98.58	1.21
56	MP4A	Z	56.915	1.21
57	MP4A	Mx	-.059	1.21
58	MP4A	X	-98.58	4.7
59	MP4A	Z	56.915	4.7
60	MP4A	Mx	-.059	4.7
61	MP4B	X	-53.997	1.21
62	MP4B	Z	31.175	1.21
63	MP4B	Mx	-.052	1.21
64	MP4B	X	-53.997	4.7
65	MP4B	Z	31.175	4.7
66	MP4B	Mx	-.052	4.7
67	MP4C	X	-90.341	1.21
68	MP4C	Z	52.159	1.21
69	MP4C	Mx	.14	1.21
70	MP4C	X	-90.341	4.7
71	MP4C	Z	52.159	4.7
72	MP4C	Mx	.14	4.7
73	MP3A	X	-10.638	1
74	MP3A	Z	6.142	1
75	MP3A	Mx	.004	1
76	MP3B	X	-10.638	1
77	MP3B	Z	6.142	1
78	MP3B	Mx	-.004	1
79	MP3C	X	-26.79	1
80	MP3C	Z	15.467	1
81	MP3C	Mx	0	1
82	MP3A	X	-29.988	2.5
83	MP3A	Z	17.314	2.5
84	MP3A	Mx	.015	2.5
85	MP3A	X	-29.988	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
86	MP3A	Z	17.314	4.5
87	MP3A	Mx	.015	4.5
88	MP3B	X	-29.988	2.5
89	MP3B	Z	17.314	2.5
90	MP3B	Mx	-.015	2.5
91	MP3B	X	-29.988	4.5
92	MP3B	Z	17.314	4.5
93	MP3B	Mx	-.015	4.5
94	MP3C	X	-58.999	2.5
95	MP3C	Z	34.063	2.5
96	MP3C	Mx	0	2.5
97	MP3C	X	-58.999	4.5
98	MP3C	Z	34.063	4.5
99	MP3C	Mx	0	4.5
100	MP1A	X	-30.854	2.25
101	MP1A	Z	17.813	2.25
102	MP1A	Mx	-.004	2.25
103	MP1B	X	-30.854	2.25
104	MP1B	Z	17.813	2.25
105	MP1B	Mx	.027	2.25
106	MP1C	X	-46.657	2.25
107	MP1C	Z	26.937	2.25
108	MP1C	Mx	-.036	2.25
109	MP1A	X	-32.334	2.25
110	MP1A	Z	18.668	2.25
111	MP1A	Mx	-.024	2.25
112	MP1B	X	-38.981	2.25
113	MP1B	Z	22.506	2.25
114	MP1B	Mx	-.005	2.25
115	MP1C	X	-45.629	2.25
116	MP1C	Z	26.344	2.25
117	MP1C	Mx	.041	2.25
118	MP4A	X	-30.854	2.25
119	MP4A	Z	17.813	2.25
120	MP4A	Mx	-.027	2.25
121	MP4B	X	-30.854	2.25
122	MP4B	Z	17.813	2.25
123	MP4B	Mx	.004	2.25
124	MP4C	X	-46.657	2.25
125	MP4C	Z	26.937	2.25
126	MP4C	Mx	.036	2.25
127	MP4A	X	-35.143	2.25
128	MP4A	Z	20.29	2.25
129	MP4A	Mx	-.004	2.25
130	MP4B	X	-35.143	2.25
131	MP4B	Z	20.29	2.25
132	MP4B	Mx	.031	2.25
133	MP4C	X	-46.657	2.25
134	MP4C	Z	26.937	2.25
135	MP4C	Mx	-.036	2.25
136	MP1A	X	-10.094	5
137	MP1A	Z	5.828	5
138	MP1A	Mx	-.006	5
139	MP1B	X	-18.796	5
140	MP1B	Z	10.852	5
141	MP1B	Mx	.008	5
142	MP1C	X	-27.497	5
143	MP1C	Z	15.875	5
144	MP1C	Mx	.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
145	MP4A	X	-25.254	5
146	MP4A	Z	14.58	5
147	MP4A	Mx	-.006	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	-66.107	1.21
2	MP1A	Z	0	1.21
3	MP1A	Mx	.041	1.21
4	MP1A	X	-66.107	4.7
5	MP1A	Z	0	4.7
6	MP1A	Mx	.041	4.7
7	MP1B	X	-120.891	1.21
8	MP1B	Z	0	1.21
9	MP1B	Mx	.088	1.21
10	MP1B	X	-120.891	4.7
11	MP1B	Z	0	4.7
12	MP1B	Mx	.088	4.7
13	MP1C	X	-93.499	1.21
14	MP1C	Z	0	1.21
15	MP1C	Mx	-.127	1.21
16	MP1C	X	-93.499	4.7
17	MP1C	Z	0	4.7
18	MP1C	Mx	-.127	4.7
19	MP1A	X	-66.107	1.21
20	MP1A	Z	0	1.21
21	MP1A	Mx	.076	1.21
22	MP1A	X	-66.107	4.7
23	MP1A	Z	0	4.7
24	MP1A	Mx	.076	4.7
25	MP1B	X	-120.891	1.21
26	MP1B	Z	0	1.21
27	MP1B	Mx	-.145	1.21
28	MP1B	X	-120.891	4.7
29	MP1B	Z	0	4.7
30	MP1B	Mx	-.145	4.7
31	MP1C	X	-93.499	1.21
32	MP1C	Z	0	1.21
33	MP1C	Mx	.006	1.21
34	MP1C	X	-93.499	4.7
35	MP1C	Z	0	4.7
36	MP1C	Mx	.006	4.7
37	MP4A	X	-82.681	1.21
38	MP4A	Z	0	1.21
39	MP4A	Mx	.11	1.21
40	MP4A	X	-82.681	4.7
41	MP4A	Z	0	4.7
42	MP4A	Mx	.11	4.7
43	MP4B	X	-73.168	1.21
44	MP4B	Z	0	1.21
45	MP4B	Mx	-.03	1.21
46	MP4B	X	-73.168	4.7
47	MP4B	Z	0	4.7
48	MP4B	Mx	-.03	4.7
49	MP4C	X	-124.648	1.21
50	MP4C	Z	0	1.21
51	MP4C	Mx	-.114	1.21
52	MP4C	X	-124.648	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
53	MP4C	Z	0	4.7
54	MP4C	Mx	-.114	4.7
55	MP4A	X	-82.681	1.21
56	MP4A	Z	0	1.21
57	MP4A	Mx	.015	1.21
58	MP4A	X	-82.681	4.7
59	MP4A	Z	0	4.7
60	MP4A	Mx	.015	4.7
61	MP4B	X	-73.168	1.21
62	MP4B	Z	0	1.21
63	MP4B	Mx	-.092	1.21
64	MP4B	X	-73.168	4.7
65	MP4B	Z	0	4.7
66	MP4B	Mx	-.092	4.7
67	MP4C	X	-124.648	1.21
68	MP4C	Z	0	1.21
69	MP4C	Mx	.134	1.21
70	MP4C	X	-124.648	4.7
71	MP4C	Z	0	4.7
72	MP4C	Mx	.134	4.7
73	MP3A	X	-6.066	1
74	MP3A	Z	0	1
75	MP3A	Mx	.003	1
76	MP3B	X	-24.718	1
77	MP3B	Z	0	1
78	MP3B	Mx	-.005	1
79	MP3C	X	-24.718	1
80	MP3C	Z	0	1
81	MP3C	Mx	-.005	1
82	MP3A	X	-23.462	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	.012	2.5
85	MP3A	X	-23.462	4.5
86	MP3A	Z	0	4.5
87	MP3A	Mx	.012	4.5
88	MP3B	X	-56.96	2.5
89	MP3B	Z	0	2.5
90	MP3B	Mx	-.014	2.5
91	MP3B	X	-56.96	4.5
92	MP3B	Z	0	4.5
93	MP3B	Mx	-.014	4.5
94	MP3C	X	-56.96	2.5
95	MP3C	Z	0	2.5
96	MP3C	Mx	-.014	2.5
97	MP3C	X	-56.96	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	-.014	4.5
100	MP1A	X	-29.544	2.25
101	MP1A	Z	0	2.25
102	MP1A	Mx	-.015	2.25
103	MP1B	X	-47.792	2.25
104	MP1B	Z	0	2.25
105	MP1B	Mx	.04	2.25
106	MP1C	X	-47.792	2.25
107	MP1C	Z	0	2.25
108	MP1C	Mx	-.016	2.25
109	MP1A	X	-37.336	2.25
110	MP1A	Z	0	2.25
111	MP1A	Mx	-.012	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
112	MP1B	X	-52.687	2.25
113	MP1B	Z	0	2.25
114	MP1B	Mx	-.027	2.25
115	MP1C	X	-45.012	2.25
116	MP1C	Z	0	2.25
117	MP1C	Mx	.037	2.25
118	MP4A	X	-29.544	2.25
119	MP4A	Z	0	2.25
120	MP4A	Mx	-.015	2.25
121	MP4B	X	-47.792	2.25
122	MP4B	Z	0	2.25
123	MP4B	Mx	-.016	2.25
124	MP4C	X	-47.792	2.25
125	MP4C	Z	0	2.25
126	MP4C	Mx	.04	2.25
127	MP4A	X	-36.148	2.25
128	MP4A	Z	0	2.25
129	MP4A	Mx	-.018	2.25
130	MP4B	X	-49.443	2.25
131	MP4B	Z	0	2.25
132	MP4B	Mx	.041	2.25
133	MP4C	X	-49.443	2.25
134	MP4C	Z	0	2.25
135	MP4C	Mx	-.016	2.25
136	MP1A	X	-11.656	5
137	MP1A	Z	0	5
138	MP1A	Mx	-.006	5
139	MP1B	X	-31.751	5
140	MP1B	Z	0	5
141	MP1B	Mx	.004	5
142	MP1C	X	-21.703	5
143	MP1C	Z	0	5
144	MP1C	Mx	.008	5
145	MP4A	X	-17.735	5
146	MP4A	Z	0	5
147	MP4A	Mx	-.007	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-80.973	1.21
2	MP1A	Z	-46.75	1.21
3	MP1A	Mx	-.006	1.21
4	MP1A	X	-80.973	4.7
5	MP1A	Z	-46.75	4.7
6	MP1A	Mx	-.006	4.7
7	MP1B	X	-104.695	1.21
8	MP1B	Z	-60.446	1.21
9	MP1B	Mx	.145	1.21
10	MP1B	X	-104.695	4.7
11	MP1B	Z	-60.446	4.7
12	MP1B	Mx	.145	4.7
13	MP1C	X	-57.25	1.21
14	MP1C	Z	-33.053	1.21
15	MP1C	Mx	-.076	1.21
16	MP1C	X	-57.25	4.7
17	MP1C	Z	-33.053	4.7
18	MP1C	Mx	-.076	4.7
19	MP1A	X	-80.973	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
20	MP1A	Z	-46.75	1.21
21	MP1A	Mx	.127	1.21
22	MP1A	X	-80.973	4.7
23	MP1A	Z	-46.75	4.7
24	MP1A	Mx	.127	4.7
25	MP1B	X	-104.695	1.21
26	MP1B	Z	-60.446	1.21
27	MP1B	Mx	-.088	1.21
28	MP1B	X	-104.695	4.7
29	MP1B	Z	-60.446	4.7
30	MP1B	Mx	-.088	4.7
31	MP1C	X	-57.25	1.21
32	MP1C	Z	-33.053	1.21
33	MP1C	Mx	-.041	1.21
34	MP1C	X	-57.25	4.7
35	MP1C	Z	-33.053	4.7
36	MP1C	Mx	-.041	4.7
37	MP4A	X	-53.997	1.21
38	MP4A	Z	-31.175	1.21
39	MP4A	Mx	.062	1.21
40	MP4A	X	-53.997	4.7
41	MP4A	Z	-31.175	4.7
42	MP4A	Mx	.062	4.7
43	MP4B	X	-90.341	1.21
44	MP4B	Z	-52.159	1.21
45	MP4B	Mx	.031	1.21
46	MP4B	X	-90.341	4.7
47	MP4B	Z	-52.159	4.7
48	MP4B	Mx	.031	4.7
49	MP4C	X	-98.58	1.21
50	MP4C	Z	-56.915	1.21
51	MP4C	Mx	-.147	1.21
52	MP4C	X	-98.58	4.7
53	MP4C	Z	-56.915	4.7
54	MP4C	Mx	-.147	4.7
55	MP4A	X	-53.997	1.21
56	MP4A	Z	-31.175	1.21
57	MP4A	Mx	.052	1.21
58	MP4A	X	-53.997	4.7
59	MP4A	Z	-31.175	4.7
60	MP4A	Mx	.052	4.7
61	MP4B	X	-90.341	1.21
62	MP4B	Z	-52.159	1.21
63	MP4B	Mx	-.14	1.21
64	MP4B	X	-90.341	4.7
65	MP4B	Z	-52.159	4.7
66	MP4B	Mx	-.14	4.7
67	MP4C	X	-98.58	1.21
68	MP4C	Z	-56.915	1.21
69	MP4C	Mx	.059	1.21
70	MP4C	X	-98.58	4.7
71	MP4C	Z	-56.915	4.7
72	MP4C	Mx	.059	4.7
73	MP3A	X	-10.638	1
74	MP3A	Z	-6.142	1
75	MP3A	Mx	.004	1
76	MP3B	X	-26.79	1
77	MP3B	Z	-15.467	1
78	MP3B	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
79	MP3C	X	-10.638	1
80	MP3C	Z	-6.142	1
81	MP3C	Mx	-.004	1
82	MP3A	X	-29.988	2.5
83	MP3A	Z	-17.314	2.5
84	MP3A	Mx	.015	2.5
85	MP3A	X	-29.988	4.5
86	MP3A	Z	-17.314	4.5
87	MP3A	Mx	.015	4.5
88	MP3B	X	-58.999	2.5
89	MP3B	Z	-34.063	2.5
90	MP3B	Mx	0	2.5
91	MP3B	X	-58.999	4.5
92	MP3B	Z	-34.063	4.5
93	MP3B	Mx	0	4.5
94	MP3C	X	-29.988	2.5
95	MP3C	Z	-17.314	2.5
96	MP3C	Mx	-.015	2.5
97	MP3C	X	-29.988	4.5
98	MP3C	Z	-17.314	4.5
99	MP3C	Mx	-.015	4.5
100	MP1A	X	-30.854	2.25
101	MP1A	Z	-17.813	2.25
102	MP1A	Mx	-.027	2.25
103	MP1B	X	-46.657	2.25
104	MP1B	Z	-26.937	2.25
105	MP1B	Mx	.036	2.25
106	MP1C	X	-30.854	2.25
107	MP1C	Z	-17.813	2.25
108	MP1C	Mx	.004	2.25
109	MP1A	X	-38.981	2.25
110	MP1A	Z	-22.506	2.25
111	MP1A	Mx	.005	2.25
112	MP1B	X	-45.629	2.25
113	MP1B	Z	-26.344	2.25
114	MP1B	Mx	-.041	2.25
115	MP1C	X	-32.334	2.25
116	MP1C	Z	-18.668	2.25
117	MP1C	Mx	.024	2.25
118	MP4A	X	-30.854	2.25
119	MP4A	Z	-17.813	2.25
120	MP4A	Mx	-.004	2.25
121	MP4B	X	-46.657	2.25
122	MP4B	Z	-26.937	2.25
123	MP4B	Mx	-.036	2.25
124	MP4C	X	-30.854	2.25
125	MP4C	Z	-17.813	2.25
126	MP4C	Mx	.027	2.25
127	MP4A	X	-35.143	2.25
128	MP4A	Z	-20.29	2.25
129	MP4A	Mx	-.031	2.25
130	MP4B	X	-46.657	2.25
131	MP4B	Z	-26.937	2.25
132	MP4B	Mx	.036	2.25
133	MP4C	X	-35.143	2.25
134	MP4C	Z	-20.29	2.25
135	MP4C	Mx	.004	2.25
136	MP1A	X	-18.796	5
137	MP1A	Z	-10.852	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
138	MP1A	Mx	-.008	5
139	MP1B	X	-27.497	5
140	MP1B	Z	-15.875	5
141	MP1B	Mx	-.004	5
142	MP1C	X	-10.094	5
143	MP1C	Z	-5.828	5
144	MP1C	Mx	.006	5
145	MP4A	X	-8.901	5
146	MP4A	Z	-5.139	5
147	MP4A	Mx	-.005	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP1A	X	-60.446	1.21
2	MP1A	Z	-104.695	1.21
3	MP1A	Mx	-.088	1.21
4	MP1A	X	-60.446	4.7
5	MP1A	Z	-104.695	4.7
6	MP1A	Mx	-.088	4.7
7	MP1B	X	-46.75	1.21
8	MP1B	Z	-80.973	1.21
9	MP1B	Mx	.127	1.21
10	MP1B	X	-46.75	4.7
11	MP1B	Z	-80.973	4.7
12	MP1B	Mx	.127	4.7
13	MP1C	X	-33.053	1.21
14	MP1C	Z	-57.25	1.21
15	MP1C	Mx	-.041	1.21
16	MP1C	X	-33.053	4.7
17	MP1C	Z	-57.25	4.7
18	MP1C	Mx	-.041	4.7
19	MP1A	X	-60.446	1.21
20	MP1A	Z	-104.695	1.21
21	MP1A	Mx	.145	1.21
22	MP1A	X	-60.446	4.7
23	MP1A	Z	-104.695	4.7
24	MP1A	Mx	.145	4.7
25	MP1B	X	-46.75	1.21
26	MP1B	Z	-80.973	1.21
27	MP1B	Mx	-.006	1.21
28	MP1B	X	-46.75	4.7
29	MP1B	Z	-80.973	4.7
30	MP1B	Mx	-.006	4.7
31	MP1C	X	-33.053	1.21
32	MP1C	Z	-57.25	1.21
33	MP1C	Mx	-.076	1.21
34	MP1C	X	-33.053	4.7
35	MP1C	Z	-57.25	4.7
36	MP1C	Mx	-.076	4.7
37	MP4A	X	-36.584	1.21
38	MP4A	Z	-63.365	1.21
39	MP4A	Mx	.03	1.21
40	MP4A	X	-36.584	4.7
41	MP4A	Z	-63.365	4.7
42	MP4A	Mx	.03	4.7
43	MP4B	X	-62.324	1.21
44	MP4B	Z	-107.949	1.21
45	MP4B	Mx	.114	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
46	MP4B	X	-62.324	4.7
47	MP4B	Z	-107.949	4.7
48	MP4B	Mx	.114	4.7
49	MP4C	X	-41.341	1.21
50	MP4C	Z	-71.604	1.21
51	MP4C	Mx	-.11	1.21
52	MP4C	X	-41.341	4.7
53	MP4C	Z	-71.604	4.7
54	MP4C	Mx	-.11	4.7
55	MP4A	X	-36.584	1.21
56	MP4A	Z	-63.365	1.21
57	MP4A	Mx	.092	1.21
58	MP4A	X	-36.584	4.7
59	MP4A	Z	-63.365	4.7
60	MP4A	Mx	.092	4.7
61	MP4B	X	-62.324	1.21
62	MP4B	Z	-107.949	1.21
63	MP4B	Mx	-.134	1.21
64	MP4B	X	-62.324	4.7
65	MP4B	Z	-107.949	4.7
66	MP4B	Mx	-.134	4.7
67	MP4C	X	-41.341	1.21
68	MP4C	Z	-71.604	1.21
69	MP4C	Mx	-.015	1.21
70	MP4C	X	-41.341	4.7
71	MP4C	Z	-71.604	4.7
72	MP4C	Mx	-.015	4.7
73	MP3A	X	-12.359	1
74	MP3A	Z	-21.406	1
75	MP3A	Mx	.005	1
76	MP3B	X	-12.359	1
77	MP3B	Z	-21.406	1
78	MP3B	Mx	.005	1
79	MP3C	X	-3.033	1
80	MP3C	Z	-5.254	1
81	MP3C	Mx	-.003	1
82	MP3A	X	-28.48	2.5
83	MP3A	Z	-49.329	2.5
84	MP3A	Mx	.014	2.5
85	MP3A	X	-28.48	4.5
86	MP3A	Z	-49.329	4.5
87	MP3A	Mx	.014	4.5
88	MP3B	X	-28.48	2.5
89	MP3B	Z	-49.329	2.5
90	MP3B	Mx	.014	2.5
91	MP3B	X	-28.48	4.5
92	MP3B	Z	-49.329	4.5
93	MP3B	Mx	.014	4.5
94	MP3C	X	-11.731	2.5
95	MP3C	Z	-20.318	2.5
96	MP3C	Mx	-.012	2.5
97	MP3C	X	-11.731	4.5
98	MP3C	Z	-20.318	4.5
99	MP3C	Mx	-.012	4.5
100	MP1A	X	-23.896	2.25
101	MP1A	Z	-41.389	2.25
102	MP1A	Mx	-.04	2.25
103	MP1B	X	-23.896	2.25
104	MP1B	Z	-41.389	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
105	MP1B	Mx	.016	2.25
106	MP1C	X	-14.772	2.25
107	MP1C	Z	-25.586	2.25
108	MP1C	Mx	.015	2.25
109	MP1A	X	-26.344	2.25
110	MP1A	Z	-45.629	2.25
111	MP1A	Mx	.027	2.25
112	MP1B	X	-22.506	2.25
113	MP1B	Z	-38.981	2.25
114	MP1B	Mx	-.037	2.25
115	MP1C	X	-18.668	2.25
116	MP1C	Z	-32.334	2.25
117	MP1C	Mx	.012	2.25
118	MP4A	X	-23.896	2.25
119	MP4A	Z	-41.389	2.25
120	MP4A	Mx	.016	2.25
121	MP4B	X	-23.896	2.25
122	MP4B	Z	-41.389	2.25
123	MP4B	Mx	-.04	2.25
124	MP4C	X	-14.772	2.25
125	MP4C	Z	-25.586	2.25
126	MP4C	Mx	.015	2.25
127	MP4A	X	-24.722	2.25
128	MP4A	Z	-42.819	2.25
129	MP4A	Mx	-.041	2.25
130	MP4B	X	-24.722	2.25
131	MP4B	Z	-42.819	2.25
132	MP4B	Mx	.016	2.25
133	MP4C	X	-18.074	2.25
134	MP4C	Z	-31.305	2.25
135	MP4C	Mx	.018	2.25
136	MP1A	X	-15.875	5
137	MP1A	Z	-27.497	5
138	MP1A	Mx	-.004	5
139	MP1B	X	-10.852	5
140	MP1B	Z	-18.796	5
141	MP1B	Mx	-.008	5
142	MP1C	X	-5.828	5
143	MP1C	Z	-10.094	5
144	MP1C	Mx	.006	5
145	MP4A	X	-7.123	5
146	MP4A	Z	-12.337	5
147	MP4A	Mx	-.006	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	0	1.21
2	MP1A	Z	-39.258	1.21
3	MP1A	Mx	-.047	1.21
4	MP1A	X	0	4.7
5	MP1A	Z	-39.258	4.7
6	MP1A	Mx	-.047	4.7
7	MP1B	X	0	1.21
8	MP1B	Z	-25.905	1.21
9	MP1B	Mx	.03	1.21
10	MP1B	X	0	4.7
11	MP1B	Z	-25.905	4.7
12	MP1B	Mx	.03	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
13	MP1C	X	0	1.21
14	MP1C	Z	-32.582	1.21
15	MP1C	Mx	.002	1.21
16	MP1C	X	0	4.7
17	MP1C	Z	-32.582	4.7
18	MP1C	Mx	.002	4.7
19	MP1A	X	0	1.21
20	MP1A	Z	-39.258	1.21
21	MP1A	Mx	.029	1.21
22	MP1A	X	0	4.7
23	MP1A	Z	-39.258	4.7
24	MP1A	Mx	.029	4.7
25	MP1B	X	0	1.21
26	MP1B	Z	-25.905	1.21
27	MP1B	Mx	.016	1.21
28	MP1B	X	0	4.7
29	MP1B	Z	-25.905	4.7
30	MP1B	Mx	.016	4.7
31	MP1C	X	0	1.21
32	MP1C	Z	-32.582	1.21
33	MP1C	Mx	-.044	1.21
34	MP1C	X	0	4.7
35	MP1C	Z	-32.582	4.7
36	MP1C	Mx	-.044	4.7
37	MP4A	X	0	1.21
38	MP4A	Z	-35.218	1.21
39	MP4A	Mx	-.01	1.21
40	MP4A	X	0	4.7
41	MP4A	Z	-35.218	4.7
42	MP4A	Mx	-.01	4.7
43	MP4B	X	0	1.21
44	MP4B	Z	-37.537	1.21
45	MP4B	Mx	.049	1.21
46	MP4B	X	0	4.7
47	MP4B	Z	-37.537	4.7
48	MP4B	Mx	.049	4.7
49	MP4C	X	0	1.21
50	MP4C	Z	-24.99	1.21
51	MP4C	Mx	-.025	1.21
52	MP4C	X	0	4.7
53	MP4C	Z	-24.99	4.7
54	MP4C	Mx	-.025	4.7
55	MP4A	X	0	1.21
56	MP4A	Z	-35.218	1.21
57	MP4A	Mx	.047	1.21
58	MP4A	X	0	4.7
59	MP4A	Z	-35.218	4.7
60	MP4A	Mx	.047	4.7
61	MP4B	X	0	1.21
62	MP4B	Z	-37.537	1.21
63	MP4B	Mx	-.019	1.21
64	MP4B	X	0	4.7
65	MP4B	Z	-37.537	4.7
66	MP4B	Mx	-.019	4.7
67	MP4C	X	0	1.21
68	MP4C	Z	-24.99	1.21
69	MP4C	Mx	-.021	1.21
70	MP4C	X	0	4.7
71	MP4C	Z	-24.99	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP4C	Mx	-.021	4.7
73	MP3A	X	0	1
74	MP3A	Z	-6.977	1
75	MP3A	Mx	0	1
76	MP3B	X	0	1
77	MP3B	Z	-3.287	1
78	MP3B	Mx	.001	1
79	MP3C	X	0	1
80	MP3C	Z	-3.287	1
81	MP3C	Mx	-.001	1
82	MP3A	X	0	2.5
83	MP3A	Z	-16.039	2.5
84	MP3A	Mx	0	2.5
85	MP3A	X	0	4.5
86	MP3A	Z	-16.039	4.5
87	MP3A	Mx	0	4.5
88	MP3B	X	0	2.5
89	MP3B	Z	-9.138	2.5
90	MP3B	Mx	.004	2.5
91	MP3B	X	0	4.5
92	MP3B	Z	-9.138	4.5
93	MP3B	Mx	.004	4.5
94	MP3C	X	0	2.5
95	MP3C	Z	-9.138	2.5
96	MP3C	Mx	-.004	2.5
97	MP3C	X	0	4.5
98	MP3C	Z	-9.138	4.5
99	MP3C	Mx	-.004	4.5
100	MP1A	X	0	2.25
101	MP1A	Z	-13.526	2.25
102	MP1A	Mx	-.009	2.25
103	MP1B	X	0	2.25
104	MP1B	Z	-9.268	2.25
105	MP1B	Mx	-.000924	2.25
106	MP1C	X	0	2.25
107	MP1C	Z	-9.268	2.25
108	MP1C	Mx	.007	2.25
109	MP1A	X	0	2.25
110	MP1A	Z	-13.25	2.25
111	MP1A	Mx	.01	2.25
112	MP1B	X	0	2.25
113	MP1B	Z	-9.688	2.25
114	MP1B	Mx	-.006	2.25
115	MP1C	X	0	2.25
116	MP1C	Z	-11.469	2.25
117	MP1C	Mx	-.001	2.25
118	MP4A	X	0	2.25
119	MP4A	Z	-13.526	2.25
120	MP4A	Mx	.009	2.25
121	MP4B	X	0	2.25
122	MP4B	Z	-9.268	2.25
123	MP4B	Mx	-.007	2.25
124	MP4C	X	0	2.25
125	MP4C	Z	-9.268	2.25
126	MP4C	Mx	.000924	2.25
127	MP4A	X	0	2.25
128	MP4A	Z	-13.526	2.25
129	MP4A	Mx	-.009	2.25
130	MP4B	X	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
131	MP4B	Z	-10.441	2.25
132	MP4B	Mx	-.001	2.25
133	MP4C	X	0	2.25
134	MP4C	Z	-10.441	2.25
135	MP4C	Mx	.008	2.25
136	MP1A	X	0	5
137	MP1A	Z	-7.115	5
138	MP1A	Mx	.000921	5
139	MP1B	X	0	5
140	MP1B	Z	-3.113	5
141	MP1B	Mx	-.002	5
142	MP1C	X	0	5
143	MP1C	Z	-5.114	5
144	MP1C	Mx	.002	5
145	MP4A	X	0	5
146	MP4A	Z	-5.904	5
147	MP4A	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP1A	X	16.291	1.21
2	MP1A	Z	-28.217	1.21
3	MP1A	Mx	-.044	1.21
4	MP1A	X	16.291	4.7
5	MP1A	Z	-28.217	4.7
6	MP1A	Mx	-.044	4.7
7	MP1B	X	12.953	1.21
8	MP1B	Z	-22.435	1.21
9	MP1B	Mx	.016	1.21
10	MP1B	X	12.953	4.7
11	MP1B	Z	-22.435	4.7
12	MP1B	Mx	.016	4.7
13	MP1C	X	19.629	1.21
14	MP1C	Z	-33.998	1.21
15	MP1C	Mx	.029	1.21
16	MP1C	X	19.629	4.7
17	MP1C	Z	-33.998	4.7
18	MP1C	Mx	.029	4.7
19	MP1A	X	16.291	1.21
20	MP1A	Z	-28.217	1.21
21	MP1A	Mx	.002	1.21
22	MP1A	X	16.291	4.7
23	MP1A	Z	-28.217	4.7
24	MP1A	Mx	.002	4.7
25	MP1B	X	12.953	1.21
26	MP1B	Z	-22.435	1.21
27	MP1B	Mx	.03	1.21
28	MP1B	X	12.953	4.7
29	MP1B	Z	-22.435	4.7
30	MP1B	Mx	.03	4.7
31	MP1C	X	19.629	1.21
32	MP1C	Z	-33.998	1.21
33	MP1C	Mx	-.047	1.21
34	MP1C	X	19.629	4.7
35	MP1C	Z	-33.998	4.7
36	MP1C	Mx	-.047	4.7
37	MP4A	X	20.087	1.21
38	MP4A	Z	-34.791	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
39	MP4A	Mx	-.037	1.21
40	MP4A	X	20.087	4.7
41	MP4A	Z	-34.791	4.7
42	MP4A	Mx	-.037	4.7
43	MP4B	X	14.972	1.21
44	MP4B	Z	-25.933	1.21
45	MP4B	Mx	.04	1.21
46	MP4B	X	14.972	4.7
47	MP4B	Z	-25.933	4.7
48	MP4B	Mx	.04	4.7
49	MP4C	X	13.813	1.21
50	MP4C	Z	-23.925	1.21
51	MP4C	Mx	-.011	1.21
52	MP4C	X	13.813	4.7
53	MP4C	Z	-23.925	4.7
54	MP4C	Mx	-.011	4.7
55	MP4A	X	20.087	1.21
56	MP4A	Z	-34.791	1.21
57	MP4A	Mx	.043	1.21
58	MP4A	X	20.087	4.7
59	MP4A	Z	-34.791	4.7
60	MP4A	Mx	.043	4.7
61	MP4B	X	14.972	1.21
62	MP4B	Z	-25.933	1.21
63	MP4B	Mx	.005	1.21
64	MP4B	X	14.972	4.7
65	MP4B	Z	-25.933	4.7
66	MP4B	Mx	.005	4.7
67	MP4C	X	13.813	1.21
68	MP4C	Z	-23.925	1.21
69	MP4C	Mx	-.035	1.21
70	MP4C	X	13.813	4.7
71	MP4C	Z	-23.925	4.7
72	MP4C	Mx	-.035	4.7
73	MP3A	X	2.874	1
74	MP3A	Z	-4.977	1
75	MP3A	Mx	-.001	1
76	MP3B	X	1.029	1
77	MP3B	Z	-1.782	1
78	MP3B	Mx	.000857	1
79	MP3C	X	2.874	1
80	MP3C	Z	-4.977	1
81	MP3C	Mx	-.001	1
82	MP3A	X	6.87	2.5
83	MP3A	Z	-11.898	2.5
84	MP3A	Mx	-.003	2.5
85	MP3A	X	6.87	4.5
86	MP3A	Z	-11.898	4.5
87	MP3A	Mx	-.003	4.5
88	MP3B	X	3.419	2.5
89	MP3B	Z	-5.922	2.5
90	MP3B	Mx	.003	2.5
91	MP3B	X	3.419	4.5
92	MP3B	Z	-5.922	4.5
93	MP3B	Mx	.003	4.5
94	MP3C	X	6.87	2.5
95	MP3C	Z	-11.898	2.5
96	MP3C	Mx	-.003	2.5
97	MP3C	X	6.87	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
98	MP3C	Z	-11.898	4.5
99	MP3C	Mx	-.003	4.5
100	MP1A	X	6.053	2.25
101	MP1A	Z	-10.485	2.25
102	MP1A	Mx	-.004	2.25
103	MP1B	X	3.925	2.25
104	MP1B	Z	-6.798	2.25
105	MP1B	Mx	-.004	2.25
106	MP1C	X	6.053	2.25
107	MP1C	Z	-10.485	2.25
108	MP1C	Mx	.01	2.25
109	MP1A	X	5.735	2.25
110	MP1A	Z	-9.932	2.25
111	MP1A	Mx	.009	2.25
112	MP1B	X	4.844	2.25
113	MP1B	Z	-8.39	2.25
114	MP1B	Mx	-.003	2.25
115	MP1C	X	6.625	2.25
116	MP1C	Z	-11.475	2.25
117	MP1C	Mx	-.007	2.25
118	MP4A	X	6.053	2.25
119	MP4A	Z	-10.485	2.25
120	MP4A	Mx	.01	2.25
121	MP4B	X	3.925	2.25
122	MP4B	Z	-6.798	2.25
123	MP4B	Mx	-.004	2.25
124	MP4C	X	6.053	2.25
125	MP4C	Z	-10.485	2.25
126	MP4C	Mx	-.004	2.25
127	MP4A	X	6.249	2.25
128	MP4A	Z	-10.823	2.25
129	MP4A	Mx	-.004	2.25
130	MP4B	X	4.706	2.25
131	MP4B	Z	-8.151	2.25
132	MP4B	Mx	-.005	2.25
133	MP4C	X	6.249	2.25
134	MP4C	Z	-10.823	2.25
135	MP4C	Mx	.01	2.25
136	MP1A	X	2.557	5
137	MP1A	Z	-4.429	5
138	MP1A	Mx	.002	5
139	MP1B	X	1.556	5
140	MP1B	Z	-2.696	5
141	MP1B	Mx	-.002	5
142	MP1C	X	3.558	5
143	MP1C	Z	-6.162	5
144	MP1C	Mx	.000921	5
145	MP4A	X	3.695	5
146	MP4A	Z	-6.4	5
147	MP4A	Mx	-.000322	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	22.435	1.21
2	MP1A	Z	-12.953	1.21
3	MP1A	Mx	-.03	1.21
4	MP1A	X	22.435	4.7
5	MP1A	Z	-12.953	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
6	MP1A	Mx	-.03	4.7
7	MP1B	X	28.217	1.21
8	MP1B	Z	-16.291	1.21
9	MP1B	Mx	-.002	1.21
10	MP1B	X	28.217	4.7
11	MP1B	Z	-16.291	4.7
12	MP1B	Mx	-.002	4.7
13	MP1C	X	33.998	1.21
14	MP1C	Z	-19.629	1.21
15	MP1C	Mx	.047	1.21
16	MP1C	X	33.998	4.7
17	MP1C	Z	-19.629	4.7
18	MP1C	Mx	.047	4.7
19	MP1A	X	22.435	1.21
20	MP1A	Z	-12.953	1.21
21	MP1A	Mx	-.016	1.21
22	MP1A	X	22.435	4.7
23	MP1A	Z	-12.953	4.7
24	MP1A	Mx	-.016	4.7
25	MP1B	X	28.217	1.21
26	MP1B	Z	-16.291	1.21
27	MP1B	Mx	.044	1.21
28	MP1B	X	28.217	4.7
29	MP1B	Z	-16.291	4.7
30	MP1B	Mx	.044	4.7
31	MP1C	X	33.998	1.21
32	MP1C	Z	-19.629	1.21
33	MP1C	Mx	-.029	1.21
34	MP1C	X	33.998	4.7
35	MP1C	Z	-19.629	4.7
36	MP1C	Mx	-.029	4.7
37	MP4A	X	32.508	1.21
38	MP4A	Z	-18.769	1.21
39	MP4A	Mx	-.049	1.21
40	MP4A	X	32.508	4.7
41	MP4A	Z	-18.769	4.7
42	MP4A	Mx	-.049	4.7
43	MP4B	X	21.642	1.21
44	MP4B	Z	-12.495	1.21
45	MP4B	Mx	.025	1.21
46	MP4B	X	21.642	4.7
47	MP4B	Z	-12.495	4.7
48	MP4B	Mx	.025	4.7
49	MP4C	X	30.5	1.21
50	MP4C	Z	-17.609	1.21
51	MP4C	Mx	.01	1.21
52	MP4C	X	30.5	4.7
53	MP4C	Z	-17.609	4.7
54	MP4C	Mx	.01	4.7
55	MP4A	X	32.508	1.21
56	MP4A	Z	-18.769	1.21
57	MP4A	Mx	.019	1.21
58	MP4A	X	32.508	4.7
59	MP4A	Z	-18.769	4.7
60	MP4A	Mx	.019	4.7
61	MP4B	X	21.642	1.21
62	MP4B	Z	-12.495	1.21
63	MP4B	Mx	.021	1.21
64	MP4B	X	21.642	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
65	MP4B	Z	-12.495	4.7
66	MP4B	Mx	.021	4.7
67	MP4C	X	30.5	1.21
68	MP4C	Z	-17.609	1.21
69	MP4C	Mx	-.047	1.21
70	MP4C	X	30.5	4.7
71	MP4C	Z	-17.609	4.7
72	MP4C	Mx	-.047	4.7
73	MP3A	X	2.847	1
74	MP3A	Z	-1.644	1
75	MP3A	Mx	-.001	1
76	MP3B	X	2.847	1
77	MP3B	Z	-1.644	1
78	MP3B	Mx	.001	1
79	MP3C	X	6.042	1
80	MP3C	Z	-3.488	1
81	MP3C	Mx	0	1
82	MP3A	X	7.914	2.5
83	MP3A	Z	-4.569	2.5
84	MP3A	Mx	-.004	2.5
85	MP3A	X	7.914	4.5
86	MP3A	Z	-4.569	4.5
87	MP3A	Mx	-.004	4.5
88	MP3B	X	7.914	2.5
89	MP3B	Z	-4.569	2.5
90	MP3B	Mx	.004	2.5
91	MP3B	X	7.914	4.5
92	MP3B	Z	-4.569	4.5
93	MP3B	Mx	.004	4.5
94	MP3C	X	13.89	2.5
95	MP3C	Z	-8.02	2.5
96	MP3C	Mx	0	2.5
97	MP3C	X	13.89	4.5
98	MP3C	Z	-8.02	4.5
99	MP3C	Mx	0	4.5
100	MP1A	X	8.027	2.25
101	MP1A	Z	-4.634	2.25
102	MP1A	Mx	.000924	2.25
103	MP1B	X	8.027	2.25
104	MP1B	Z	-4.634	2.25
105	MP1B	Mx	-.007	2.25
106	MP1C	X	11.714	2.25
107	MP1C	Z	-6.763	2.25
108	MP1C	Mx	.009	2.25
109	MP1A	X	8.39	2.25
110	MP1A	Z	-4.844	2.25
111	MP1A	Mx	.006	2.25
112	MP1B	X	9.932	2.25
113	MP1B	Z	-5.735	2.25
114	MP1B	Mx	.001	2.25
115	MP1C	X	11.475	2.25
116	MP1C	Z	-6.625	2.25
117	MP1C	Mx	-.01	2.25
118	MP4A	X	8.027	2.25
119	MP4A	Z	-4.634	2.25
120	MP4A	Mx	.007	2.25
121	MP4B	X	8.027	2.25
122	MP4B	Z	-4.634	2.25
123	MP4B	Mx	-.000924	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
124	MP4C	X	11.714	2.25
125	MP4C	Z	-6.763	2.25
126	MP4C	Mx	-.009	2.25
127	MP4A	X	9.042	2.25
128	MP4A	Z	-5.22	2.25
129	MP4A	Mx	.001	2.25
130	MP4B	X	9.042	2.25
131	MP4B	Z	-5.22	2.25
132	MP4B	Mx	-.008	2.25
133	MP4C	X	11.714	2.25
134	MP4C	Z	-6.763	2.25
135	MP4C	Mx	.009	2.25
136	MP1A	X	2.696	5
137	MP1A	Z	-1.556	5
138	MP1A	Mx	.002	5
139	MP1B	X	4.429	5
140	MP1B	Z	-2.557	5
141	MP1B	Mx	-.002	5
142	MP1C	X	6.162	5
143	MP1C	Z	-3.558	5
144	MP1C	Mx	-.000921	5
145	MP4A	X	5.715	5
146	MP4A	Z	-3.3	5
147	MP4A	Mx	.001	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	25.905	1.21
2	MP1A	Z	0	1.21
3	MP1A	Mx	-.016	1.21
4	MP1A	X	25.905	4.7
5	MP1A	Z	0	4.7
6	MP1A	Mx	-.016	4.7
7	MP1B	X	39.258	1.21
8	MP1B	Z	0	1.21
9	MP1B	Mx	-.029	1.21
10	MP1B	X	39.258	4.7
11	MP1B	Z	0	4.7
12	MP1B	Mx	-.029	4.7
13	MP1C	X	32.582	1.21
14	MP1C	Z	0	1.21
15	MP1C	Mx	.044	1.21
16	MP1C	X	32.582	4.7
17	MP1C	Z	0	4.7
18	MP1C	Mx	.044	4.7
19	MP1A	X	25.905	1.21
20	MP1A	Z	0	1.21
21	MP1A	Mx	-.03	1.21
22	MP1A	X	25.905	4.7
23	MP1A	Z	0	4.7
24	MP1A	Mx	-.03	4.7
25	MP1B	X	39.258	1.21
26	MP1B	Z	0	1.21
27	MP1B	Mx	.047	1.21
28	MP1B	X	39.258	4.7
29	MP1B	Z	0	4.7
30	MP1B	Mx	.047	4.7
31	MP1C	X	32.582	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
32	MP1C	Z	0	1.21
33	MP1C	Mx	-.002	1.21
34	MP1C	X	32.582	4.7
35	MP1C	Z	0	4.7
36	MP1C	Mx	-.002	4.7
37	MP4A	X	29.945	1.21
38	MP4A	Z	0	1.21
39	MP4A	Mx	-.04	1.21
40	MP4A	X	29.945	4.7
41	MP4A	Z	0	4.7
42	MP4A	Mx	-.04	4.7
43	MP4B	X	27.626	1.21
44	MP4B	Z	0	1.21
45	MP4B	Mx	.011	1.21
46	MP4B	X	27.626	4.7
47	MP4B	Z	0	4.7
48	MP4B	Mx	.011	4.7
49	MP4C	X	40.174	1.21
50	MP4C	Z	0	1.21
51	MP4C	Mx	.037	1.21
52	MP4C	X	40.174	4.7
53	MP4C	Z	0	4.7
54	MP4C	Mx	.037	4.7
55	MP4A	X	29.945	1.21
56	MP4A	Z	0	1.21
57	MP4A	Mx	-.005	1.21
58	MP4A	X	29.945	4.7
59	MP4A	Z	0	4.7
60	MP4A	Mx	-.005	4.7
61	MP4B	X	27.626	1.21
62	MP4B	Z	0	1.21
63	MP4B	Mx	.035	1.21
64	MP4B	X	27.626	4.7
65	MP4B	Z	0	4.7
66	MP4B	Mx	.035	4.7
67	MP4C	X	40.174	1.21
68	MP4C	Z	0	1.21
69	MP4C	Mx	-.043	1.21
70	MP4C	X	40.174	4.7
71	MP4C	Z	0	4.7
72	MP4C	Mx	-.043	4.7
73	MP3A	X	2.057	1
74	MP3A	Z	0	1
75	MP3A	Mx	-.000857	1
76	MP3B	X	5.747	1
77	MP3B	Z	0	1
78	MP3B	Mx	.001	1
79	MP3C	X	5.747	1
80	MP3C	Z	0	1
81	MP3C	Mx	.001	1
82	MP3A	X	6.838	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	-.003	2.5
85	MP3A	X	6.838	4.5
86	MP3A	Z	0	4.5
87	MP3A	Mx	-.003	4.5
88	MP3B	X	13.739	2.5
89	MP3B	Z	0	2.5
90	MP3B	Mx	.003	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
91	MP3B	X	13.739	4.5
92	MP3B	Z	0	4.5
93	MP3B	Mx	.003	4.5
94	MP3C	X	13.739	2.5
95	MP3C	Z	0	2.5
96	MP3C	Mx	.003	2.5
97	MP3C	X	13.739	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	.003	4.5
100	MP1A	X	7.849	2.25
101	MP1A	Z	0	2.25
102	MP1A	Mx	.004	2.25
103	MP1B	X	12.107	2.25
104	MP1B	Z	0	2.25
105	MP1B	Mx	-.01	2.25
106	MP1C	X	12.107	2.25
107	MP1C	Z	0	2.25
108	MP1C	Mx	.004	2.25
109	MP1A	X	9.688	2.25
110	MP1A	Z	0	2.25
111	MP1A	Mx	.003	2.25
112	MP1B	X	13.25	2.25
113	MP1B	Z	0	2.25
114	MP1B	Mx	.007	2.25
115	MP1C	X	11.469	2.25
116	MP1C	Z	0	2.25
117	MP1C	Mx	-.009	2.25
118	MP4A	X	7.849	2.25
119	MP4A	Z	0	2.25
120	MP4A	Mx	.004	2.25
121	MP4B	X	12.107	2.25
122	MP4B	Z	0	2.25
123	MP4B	Mx	.004	2.25
124	MP4C	X	12.107	2.25
125	MP4C	Z	0	2.25
126	MP4C	Mx	-.01	2.25
127	MP4A	X	9.412	2.25
128	MP4A	Z	0	2.25
129	MP4A	Mx	.005	2.25
130	MP4B	X	12.497	2.25
131	MP4B	Z	0	2.25
132	MP4B	Mx	-.01	2.25
133	MP4C	X	12.497	2.25
134	MP4C	Z	0	2.25
135	MP4C	Mx	.004	2.25
136	MP1A	X	3.113	5
137	MP1A	Z	0	5
138	MP1A	Mx	.002	5
139	MP1B	X	7.115	5
140	MP1B	Z	0	5
141	MP1B	Mx	-.000921	5
142	MP1C	X	5.114	5
143	MP1C	Z	0	5
144	MP1C	Mx	-.002	5
145	MP4A	X	4.324	5
146	MP4A	Z	0	5
147	MP4A	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	28.217	1.21
2	MP1A	Z	16.291	1.21
3	MP1A	Mx	.002	1.21
4	MP1A	X	28.217	4.7
5	MP1A	Z	16.291	4.7
6	MP1A	Mx	.002	4.7
7	MP1B	X	33.998	1.21
8	MP1B	Z	19.629	1.21
9	MP1B	Mx	-.047	1.21
10	MP1B	X	33.998	4.7
11	MP1B	Z	19.629	4.7
12	MP1B	Mx	-.047	4.7
13	MP1C	X	22.435	1.21
14	MP1C	Z	12.953	1.21
15	MP1C	Mx	.03	1.21
16	MP1C	X	22.435	4.7
17	MP1C	Z	12.953	4.7
18	MP1C	Mx	.03	4.7
19	MP1A	X	28.217	1.21
20	MP1A	Z	16.291	1.21
21	MP1A	Mx	-.044	1.21
22	MP1A	X	28.217	4.7
23	MP1A	Z	16.291	4.7
24	MP1A	Mx	-.044	4.7
25	MP1B	X	33.998	1.21
26	MP1B	Z	19.629	1.21
27	MP1B	Mx	.029	1.21
28	MP1B	X	33.998	4.7
29	MP1B	Z	19.629	4.7
30	MP1B	Mx	.029	4.7
31	MP1C	X	22.435	1.21
32	MP1C	Z	12.953	1.21
33	MP1C	Mx	.016	1.21
34	MP1C	X	22.435	4.7
35	MP1C	Z	12.953	4.7
36	MP1C	Mx	.016	4.7
37	MP4A	X	21.642	1.21
38	MP4A	Z	12.495	1.21
39	MP4A	Mx	-.025	1.21
40	MP4A	X	21.642	4.7
41	MP4A	Z	12.495	4.7
42	MP4A	Mx	-.025	4.7
43	MP4B	X	30.5	1.21
44	MP4B	Z	17.609	1.21
45	MP4B	Mx	-.01	1.21
46	MP4B	X	30.5	4.7
47	MP4B	Z	17.609	4.7
48	MP4B	Mx	-.01	4.7
49	MP4C	X	32.508	1.21
50	MP4C	Z	18.769	1.21
51	MP4C	Mx	.049	1.21
52	MP4C	X	32.508	4.7
53	MP4C	Z	18.769	4.7
54	MP4C	Mx	.049	4.7
55	MP4A	X	21.642	1.21
56	MP4A	Z	12.495	1.21
57	MP4A	Mx	-.021	1.21
58	MP4A	X	21.642	4.7
59	MP4A	Z	12.495	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
60	MP4A	Mx	-.021	4.7
61	MP4B	X	30.5	1.21
62	MP4B	Z	17.609	1.21
63	MP4B	Mx	.047	1.21
64	MP4B	X	30.5	4.7
65	MP4B	Z	17.609	4.7
66	MP4B	Mx	.047	4.7
67	MP4C	X	32.508	1.21
68	MP4C	Z	18.769	1.21
69	MP4C	Mx	-.019	1.21
70	MP4C	X	32.508	4.7
71	MP4C	Z	18.769	4.7
72	MP4C	Mx	-.019	4.7
73	MP3A	X	2.847	1
74	MP3A	Z	1.644	1
75	MP3A	Mx	-.001	1
76	MP3B	X	6.042	1
77	MP3B	Z	3.488	1
78	MP3B	Mx	0	1
79	MP3C	X	2.847	1
80	MP3C	Z	1.644	1
81	MP3C	Mx	.001	1
82	MP3A	X	7.914	2.5
83	MP3A	Z	4.569	2.5
84	MP3A	Mx	-.004	2.5
85	MP3A	X	7.914	4.5
86	MP3A	Z	4.569	4.5
87	MP3A	Mx	-.004	4.5
88	MP3B	X	13.89	2.5
89	MP3B	Z	8.02	2.5
90	MP3B	Mx	0	2.5
91	MP3B	X	13.89	4.5
92	MP3B	Z	8.02	4.5
93	MP3B	Mx	0	4.5
94	MP3C	X	7.914	2.5
95	MP3C	Z	4.569	2.5
96	MP3C	Mx	.004	2.5
97	MP3C	X	7.914	4.5
98	MP3C	Z	4.569	4.5
99	MP3C	Mx	.004	4.5
100	MP1A	X	8.027	2.25
101	MP1A	Z	4.634	2.25
102	MP1A	Mx	.007	2.25
103	MP1B	X	11.714	2.25
104	MP1B	Z	6.763	2.25
105	MP1B	Mx	-.009	2.25
106	MP1C	X	8.027	2.25
107	MP1C	Z	4.634	2.25
108	MP1C	Mx	-.000924	2.25
109	MP1A	X	9.932	2.25
110	MP1A	Z	5.735	2.25
111	MP1A	Mx	-.001	2.25
112	MP1B	X	11.475	2.25
113	MP1B	Z	6.625	2.25
114	MP1B	Mx	.01	2.25
115	MP1C	X	8.39	2.25
116	MP1C	Z	4.844	2.25
117	MP1C	Mx	-.006	2.25
118	MP4A	X	8.027	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
119	MP4A	Z	4.634	2.25
120	MP4A	Mx	.000924	2.25
121	MP4B	X	11.714	2.25
122	MP4B	Z	6.763	2.25
123	MP4B	Mx	.009	2.25
124	MP4C	X	8.027	2.25
125	MP4C	Z	4.634	2.25
126	MP4C	Mx	-.007	2.25
127	MP4A	X	9.042	2.25
128	MP4A	Z	5.22	2.25
129	MP4A	Mx	.008	2.25
130	MP4B	X	11.714	2.25
131	MP4B	Z	6.763	2.25
132	MP4B	Mx	-.009	2.25
133	MP4C	X	9.042	2.25
134	MP4C	Z	5.22	2.25
135	MP4C	Mx	-.001	2.25
136	MP1A	X	4.429	5
137	MP1A	Z	2.557	5
138	MP1A	Mx	.002	5
139	MP1B	X	6.162	5
140	MP1B	Z	3.558	5
141	MP1B	Mx	.000921	5
142	MP1C	X	2.696	5
143	MP1C	Z	1.556	5
144	MP1C	Mx	-.002	5
145	MP4A	X	2.458	5
146	MP4A	Z	1.419	5
147	MP4A	Mx	.001	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	19.629	1.21
2	MP1A	Z	33.998	1.21
3	MP1A	Mx	.029	1.21
4	MP1A	X	19.629	4.7
5	MP1A	Z	33.998	4.7
6	MP1A	Mx	.029	4.7
7	MP1B	X	16.291	1.21
8	MP1B	Z	28.217	1.21
9	MP1B	Mx	-.044	1.21
10	MP1B	X	16.291	4.7
11	MP1B	Z	28.217	4.7
12	MP1B	Mx	-.044	4.7
13	MP1C	X	12.953	1.21
14	MP1C	Z	22.435	1.21
15	MP1C	Mx	.016	1.21
16	MP1C	X	12.953	4.7
17	MP1C	Z	22.435	4.7
18	MP1C	Mx	.016	4.7
19	MP1A	X	19.629	1.21
20	MP1A	Z	33.998	1.21
21	MP1A	Mx	-.047	1.21
22	MP1A	X	19.629	4.7
23	MP1A	Z	33.998	4.7
24	MP1A	Mx	-.047	4.7
25	MP1B	X	16.291	1.21
26	MP1B	Z	28.217	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
27	MP1B	Mx	.002	1.21
28	MP1B	X	16.291	4.7
29	MP1B	Z	28.217	4.7
30	MP1B	Mx	.002	4.7
31	MP1C	X	12.953	1.21
32	MP1C	Z	22.435	1.21
33	MP1C	Mx	.03	1.21
34	MP1C	X	12.953	4.7
35	MP1C	Z	22.435	4.7
36	MP1C	Mx	.03	4.7
37	MP4A	X	13.813	1.21
38	MP4A	Z	23.925	1.21
39	MP4A	Mx	-.011	1.21
40	MP4A	X	13.813	4.7
41	MP4A	Z	23.925	4.7
42	MP4A	Mx	-.011	4.7
43	MP4B	X	20.087	1.21
44	MP4B	Z	34.791	1.21
45	MP4B	Mx	-.037	1.21
46	MP4B	X	20.087	4.7
47	MP4B	Z	34.791	4.7
48	MP4B	Mx	-.037	4.7
49	MP4C	X	14.972	1.21
50	MP4C	Z	25.933	1.21
51	MP4C	Mx	.04	1.21
52	MP4C	X	14.972	4.7
53	MP4C	Z	25.933	4.7
54	MP4C	Mx	.04	4.7
55	MP4A	X	13.813	1.21
56	MP4A	Z	23.925	1.21
57	MP4A	Mx	-.035	1.21
58	MP4A	X	13.813	4.7
59	MP4A	Z	23.925	4.7
60	MP4A	Mx	-.035	4.7
61	MP4B	X	20.087	1.21
62	MP4B	Z	34.791	1.21
63	MP4B	Mx	.043	1.21
64	MP4B	X	20.087	4.7
65	MP4B	Z	34.791	4.7
66	MP4B	Mx	.043	4.7
67	MP4C	X	14.972	1.21
68	MP4C	Z	25.933	1.21
69	MP4C	Mx	.005	1.21
70	MP4C	X	14.972	4.7
71	MP4C	Z	25.933	4.7
72	MP4C	Mx	.005	4.7
73	MP3A	X	2.874	1
74	MP3A	Z	4.977	1
75	MP3A	Mx	-.001	1
76	MP3B	X	2.874	1
77	MP3B	Z	4.977	1
78	MP3B	Mx	-.001	1
79	MP3C	X	1.029	1
80	MP3C	Z	1.782	1
81	MP3C	Mx	.000857	1
82	MP3A	X	6.87	2.5
83	MP3A	Z	11.898	2.5
84	MP3A	Mx	-.003	2.5
85	MP3A	X	6.87	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP3A	Z	11.898	4.5
87	MP3A	Mx	-.003	4.5
88	MP3B	X	6.87	2.5
89	MP3B	Z	11.898	2.5
90	MP3B	Mx	-.003	2.5
91	MP3B	X	6.87	4.5
92	MP3B	Z	11.898	4.5
93	MP3B	Mx	-.003	4.5
94	MP3C	X	3.419	2.5
95	MP3C	Z	5.922	2.5
96	MP3C	Mx	.003	2.5
97	MP3C	X	3.419	4.5
98	MP3C	Z	5.922	4.5
99	MP3C	Mx	.003	4.5
100	MP1A	X	6.053	2.25
101	MP1A	Z	10.485	2.25
102	MP1A	Mx	.01	2.25
103	MP1B	X	6.053	2.25
104	MP1B	Z	10.485	2.25
105	MP1B	Mx	-.004	2.25
106	MP1C	X	3.925	2.25
107	MP1C	Z	6.798	2.25
108	MP1C	Mx	-.004	2.25
109	MP1A	X	6.625	2.25
110	MP1A	Z	11.475	2.25
111	MP1A	Mx	-.007	2.25
112	MP1B	X	5.735	2.25
113	MP1B	Z	9.932	2.25
114	MP1B	Mx	.009	2.25
115	MP1C	X	4.844	2.25
116	MP1C	Z	8.39	2.25
117	MP1C	Mx	-.003	2.25
118	MP4A	X	6.053	2.25
119	MP4A	Z	10.485	2.25
120	MP4A	Mx	-.004	2.25
121	MP4B	X	6.053	2.25
122	MP4B	Z	10.485	2.25
123	MP4B	Mx	.01	2.25
124	MP4C	X	3.925	2.25
125	MP4C	Z	6.798	2.25
126	MP4C	Mx	-.004	2.25
127	MP4A	X	6.249	2.25
128	MP4A	Z	10.823	2.25
129	MP4A	Mx	.01	2.25
130	MP4B	X	6.249	2.25
131	MP4B	Z	10.823	2.25
132	MP4B	Mx	-.004	2.25
133	MP4C	X	4.706	2.25
134	MP4C	Z	8.151	2.25
135	MP4C	Mx	-.005	2.25
136	MP1A	X	3.558	5
137	MP1A	Z	6.162	5
138	MP1A	Mx	.000921	5
139	MP1B	X	2.557	5
140	MP1B	Z	4.429	5
141	MP1B	Mx	.002	5
142	MP1C	X	1.556	5
143	MP1C	Z	2.696	5
144	MP1C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
145	MP4A	X	1.814	5
146	MP4A	Z	3.142	5
147	MP4A	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	0	1.21
2	MP1A	Z	39.258	1.21
3	MP1A	Mx	.047	1.21
4	MP1A	X	0	4.7
5	MP1A	Z	39.258	4.7
6	MP1A	Mx	.047	4.7
7	MP1B	X	0	1.21
8	MP1B	Z	25.905	1.21
9	MP1B	Mx	-.03	1.21
10	MP1B	X	0	4.7
11	MP1B	Z	25.905	4.7
12	MP1B	Mx	-.03	4.7
13	MP1C	X	0	1.21
14	MP1C	Z	32.582	1.21
15	MP1C	Mx	-.002	1.21
16	MP1C	X	0	4.7
17	MP1C	Z	32.582	4.7
18	MP1C	Mx	-.002	4.7
19	MP1A	X	0	1.21
20	MP1A	Z	39.258	1.21
21	MP1A	Mx	-.029	1.21
22	MP1A	X	0	4.7
23	MP1A	Z	39.258	4.7
24	MP1A	Mx	-.029	4.7
25	MP1B	X	0	1.21
26	MP1B	Z	25.905	1.21
27	MP1B	Mx	-.016	1.21
28	MP1B	X	0	4.7
29	MP1B	Z	25.905	4.7
30	MP1B	Mx	-.016	4.7
31	MP1C	X	0	1.21
32	MP1C	Z	32.582	1.21
33	MP1C	Mx	.044	1.21
34	MP1C	X	0	4.7
35	MP1C	Z	32.582	4.7
36	MP1C	Mx	.044	4.7
37	MP4A	X	0	1.21
38	MP4A	Z	35.218	1.21
39	MP4A	Mx	.01	1.21
40	MP4A	X	0	4.7
41	MP4A	Z	35.218	4.7
42	MP4A	Mx	.01	4.7
43	MP4B	X	0	1.21
44	MP4B	Z	37.537	1.21
45	MP4B	Mx	-.049	1.21
46	MP4B	X	0	4.7
47	MP4B	Z	37.537	4.7
48	MP4B	Mx	-.049	4.7
49	MP4C	X	0	1.21
50	MP4C	Z	24.99	1.21
51	MP4C	Mx	.025	1.21
52	MP4C	X	0	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
53	MP4C	Z	24.99	4.7
54	MP4C	Mx	.025	4.7
55	MP4A	X	0	1.21
56	MP4A	Z	35.218	1.21
57	MP4A	Mx	-.047	1.21
58	MP4A	X	0	4.7
59	MP4A	Z	35.218	4.7
60	MP4A	Mx	-.047	4.7
61	MP4B	X	0	1.21
62	MP4B	Z	37.537	1.21
63	MP4B	Mx	.019	1.21
64	MP4B	X	0	4.7
65	MP4B	Z	37.537	4.7
66	MP4B	Mx	.019	4.7
67	MP4C	X	0	1.21
68	MP4C	Z	24.99	1.21
69	MP4C	Mx	.021	1.21
70	MP4C	X	0	4.7
71	MP4C	Z	24.99	4.7
72	MP4C	Mx	.021	4.7
73	MP3A	X	0	1
74	MP3A	Z	6.977	1
75	MP3A	Mx	0	1
76	MP3B	X	0	1
77	MP3B	Z	3.287	1
78	MP3B	Mx	-.001	1
79	MP3C	X	0	1
80	MP3C	Z	3.287	1
81	MP3C	Mx	.001	1
82	MP3A	X	0	2.5
83	MP3A	Z	16.039	2.5
84	MP3A	Mx	0	2.5
85	MP3A	X	0	4.5
86	MP3A	Z	16.039	4.5
87	MP3A	Mx	0	4.5
88	MP3B	X	0	2.5
89	MP3B	Z	9.138	2.5
90	MP3B	Mx	-.004	2.5
91	MP3B	X	0	4.5
92	MP3B	Z	9.138	4.5
93	MP3B	Mx	-.004	4.5
94	MP3C	X	0	2.5
95	MP3C	Z	9.138	2.5
96	MP3C	Mx	.004	2.5
97	MP3C	X	0	4.5
98	MP3C	Z	9.138	4.5
99	MP3C	Mx	.004	4.5
100	MP1A	X	0	2.25
101	MP1A	Z	13.526	2.25
102	MP1A	Mx	.009	2.25
103	MP1B	X	0	2.25
104	MP1B	Z	9.268	2.25
105	MP1B	Mx	.000924	2.25
106	MP1C	X	0	2.25
107	MP1C	Z	9.268	2.25
108	MP1C	Mx	-.007	2.25
109	MP1A	X	0	2.25
110	MP1A	Z	13.25	2.25
111	MP1A	Mx	-.01	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
112	MP1B	X	0	2.25
113	MP1B	Z	9.688	2.25
114	MP1B	Mx	.006	2.25
115	MP1C	X	0	2.25
116	MP1C	Z	11.469	2.25
117	MP1C	Mx	.001	2.25
118	MP4A	X	0	2.25
119	MP4A	Z	13.526	2.25
120	MP4A	Mx	-.009	2.25
121	MP4B	X	0	2.25
122	MP4B	Z	9.268	2.25
123	MP4B	Mx	.007	2.25
124	MP4C	X	0	2.25
125	MP4C	Z	9.268	2.25
126	MP4C	Mx	-.000924	2.25
127	MP4A	X	0	2.25
128	MP4A	Z	13.526	2.25
129	MP4A	Mx	.009	2.25
130	MP4B	X	0	2.25
131	MP4B	Z	10.441	2.25
132	MP4B	Mx	.001	2.25
133	MP4C	X	0	2.25
134	MP4C	Z	10.441	2.25
135	MP4C	Mx	-.008	2.25
136	MP1A	X	0	5
137	MP1A	Z	7.115	5
138	MP1A	Mx	-.000921	5
139	MP1B	X	0	5
140	MP1B	Z	3.113	5
141	MP1B	Mx	.002	5
142	MP1C	X	0	5
143	MP1C	Z	5.114	5
144	MP1C	Mx	-.002	5
145	MP4A	X	0	5
146	MP4A	Z	5.904	5
147	MP4A	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-16.291	1.21
2	MP1A	Z	28.217	1.21
3	MP1A	Mx	.044	1.21
4	MP1A	X	-16.291	4.7
5	MP1A	Z	28.217	4.7
6	MP1A	Mx	.044	4.7
7	MP1B	X	-12.953	1.21
8	MP1B	Z	22.435	1.21
9	MP1B	Mx	-.016	1.21
10	MP1B	X	-12.953	4.7
11	MP1B	Z	22.435	4.7
12	MP1B	Mx	-.016	4.7
13	MP1C	X	-19.629	1.21
14	MP1C	Z	33.998	1.21
15	MP1C	Mx	-.029	1.21
16	MP1C	X	-19.629	4.7
17	MP1C	Z	33.998	4.7
18	MP1C	Mx	-.029	4.7
19	MP1A	X	-16.291	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
20	MP1A	Z	28.217	1.21
21	MP1A	Mx	-.002	1.21
22	MP1A	X	-16.291	4.7
23	MP1A	Z	28.217	4.7
24	MP1A	Mx	-.002	4.7
25	MP1B	X	-12.953	1.21
26	MP1B	Z	22.435	1.21
27	MP1B	Mx	-.03	1.21
28	MP1B	X	-12.953	4.7
29	MP1B	Z	22.435	4.7
30	MP1B	Mx	-.03	4.7
31	MP1C	X	-19.629	1.21
32	MP1C	Z	33.998	1.21
33	MP1C	Mx	.047	1.21
34	MP1C	X	-19.629	4.7
35	MP1C	Z	33.998	4.7
36	MP1C	Mx	.047	4.7
37	MP4A	X	-20.087	1.21
38	MP4A	Z	34.791	1.21
39	MP4A	Mx	.037	1.21
40	MP4A	X	-20.087	4.7
41	MP4A	Z	34.791	4.7
42	MP4A	Mx	.037	4.7
43	MP4B	X	-14.972	1.21
44	MP4B	Z	25.933	1.21
45	MP4B	Mx	-.04	1.21
46	MP4B	X	-14.972	4.7
47	MP4B	Z	25.933	4.7
48	MP4B	Mx	-.04	4.7
49	MP4C	X	-13.813	1.21
50	MP4C	Z	23.925	1.21
51	MP4C	Mx	.011	1.21
52	MP4C	X	-13.813	4.7
53	MP4C	Z	23.925	4.7
54	MP4C	Mx	.011	4.7
55	MP4A	X	-20.087	1.21
56	MP4A	Z	34.791	1.21
57	MP4A	Mx	-.043	1.21
58	MP4A	X	-20.087	4.7
59	MP4A	Z	34.791	4.7
60	MP4A	Mx	-.043	4.7
61	MP4B	X	-14.972	1.21
62	MP4B	Z	25.933	1.21
63	MP4B	Mx	-.005	1.21
64	MP4B	X	-14.972	4.7
65	MP4B	Z	25.933	4.7
66	MP4B	Mx	-.005	4.7
67	MP4C	X	-13.813	1.21
68	MP4C	Z	23.925	1.21
69	MP4C	Mx	.035	1.21
70	MP4C	X	-13.813	4.7
71	MP4C	Z	23.925	4.7
72	MP4C	Mx	.035	4.7
73	MP3A	X	-2.874	1
74	MP3A	Z	4.977	1
75	MP3A	Mx	.001	1
76	MP3B	X	-1.029	1
77	MP3B	Z	1.782	1
78	MP3B	Mx	-.000857	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
79	MP3C	X	-2.874	1
80	MP3C	Z	4.977	1
81	MP3C	Mx	.001	1
82	MP3A	X	-6.87	2.5
83	MP3A	Z	11.898	2.5
84	MP3A	Mx	.003	2.5
85	MP3A	X	-6.87	4.5
86	MP3A	Z	11.898	4.5
87	MP3A	Mx	.003	4.5
88	MP3B	X	-3.419	2.5
89	MP3B	Z	5.922	2.5
90	MP3B	Mx	-.003	2.5
91	MP3B	X	-3.419	4.5
92	MP3B	Z	5.922	4.5
93	MP3B	Mx	-.003	4.5
94	MP3C	X	-6.87	2.5
95	MP3C	Z	11.898	2.5
96	MP3C	Mx	.003	2.5
97	MP3C	X	-6.87	4.5
98	MP3C	Z	11.898	4.5
99	MP3C	Mx	.003	4.5
100	MP1A	X	-6.053	2.25
101	MP1A	Z	10.485	2.25
102	MP1A	Mx	.004	2.25
103	MP1B	X	-3.925	2.25
104	MP1B	Z	6.798	2.25
105	MP1B	Mx	.004	2.25
106	MP1C	X	-6.053	2.25
107	MP1C	Z	10.485	2.25
108	MP1C	Mx	-.01	2.25
109	MP1A	X	-5.735	2.25
110	MP1A	Z	9.932	2.25
111	MP1A	Mx	-.009	2.25
112	MP1B	X	-4.844	2.25
113	MP1B	Z	8.39	2.25
114	MP1B	Mx	.003	2.25
115	MP1C	X	-6.625	2.25
116	MP1C	Z	11.475	2.25
117	MP1C	Mx	.007	2.25
118	MP4A	X	-6.053	2.25
119	MP4A	Z	10.485	2.25
120	MP4A	Mx	-.01	2.25
121	MP4B	X	-3.925	2.25
122	MP4B	Z	6.798	2.25
123	MP4B	Mx	.004	2.25
124	MP4C	X	-6.053	2.25
125	MP4C	Z	10.485	2.25
126	MP4C	Mx	.004	2.25
127	MP4A	X	-6.249	2.25
128	MP4A	Z	10.823	2.25
129	MP4A	Mx	.004	2.25
130	MP4B	X	-4.706	2.25
131	MP4B	Z	8.151	2.25
132	MP4B	Mx	.005	2.25
133	MP4C	X	-6.249	2.25
134	MP4C	Z	10.823	2.25
135	MP4C	Mx	-.01	2.25
136	MP1A	X	-2.557	5
137	MP1A	Z	4.429	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
46	MP4B	X	-21.642	4.7
47	MP4B	Z	12.495	4.7
48	MP4B	Mx	-.025	4.7
49	MP4C	X	-30.5	1.21
50	MP4C	Z	17.609	1.21
51	MP4C	Mx	-.01	1.21
52	MP4C	X	-30.5	4.7
53	MP4C	Z	17.609	4.7
54	MP4C	Mx	-.01	4.7
55	MP4A	X	-32.508	1.21
56	MP4A	Z	18.769	1.21
57	MP4A	Mx	-.019	1.21
58	MP4A	X	-32.508	4.7
59	MP4A	Z	18.769	4.7
60	MP4A	Mx	-.019	4.7
61	MP4B	X	-21.642	1.21
62	MP4B	Z	12.495	1.21
63	MP4B	Mx	-.021	1.21
64	MP4B	X	-21.642	4.7
65	MP4B	Z	12.495	4.7
66	MP4B	Mx	-.021	4.7
67	MP4C	X	-30.5	1.21
68	MP4C	Z	17.609	1.21
69	MP4C	Mx	.047	1.21
70	MP4C	X	-30.5	4.7
71	MP4C	Z	17.609	4.7
72	MP4C	Mx	.047	4.7
73	MP3A	X	-2.847	1
74	MP3A	Z	1.644	1
75	MP3A	Mx	.001	1
76	MP3B	X	-2.847	1
77	MP3B	Z	1.644	1
78	MP3B	Mx	-.001	1
79	MP3C	X	-6.042	1
80	MP3C	Z	3.488	1
81	MP3C	Mx	0	1
82	MP3A	X	-7.914	2.5
83	MP3A	Z	4.569	2.5
84	MP3A	Mx	.004	2.5
85	MP3A	X	-7.914	4.5
86	MP3A	Z	4.569	4.5
87	MP3A	Mx	.004	4.5
88	MP3B	X	-7.914	2.5
89	MP3B	Z	4.569	2.5
90	MP3B	Mx	-.004	2.5
91	MP3B	X	-7.914	4.5
92	MP3B	Z	4.569	4.5
93	MP3B	Mx	-.004	4.5
94	MP3C	X	-13.89	2.5
95	MP3C	Z	8.02	2.5
96	MP3C	Mx	0	2.5
97	MP3C	X	-13.89	4.5
98	MP3C	Z	8.02	4.5
99	MP3C	Mx	0	4.5
100	MP1A	X	-8.027	2.25
101	MP1A	Z	4.634	2.25
102	MP1A	Mx	-.000924	2.25
103	MP1B	X	-8.027	2.25
104	MP1B	Z	4.634	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
105	MP1B	Mx	.007	2.25
106	MP1C	X	-11.714	2.25
107	MP1C	Z	6.763	2.25
108	MP1C	Mx	-.009	2.25
109	MP1A	X	-8.39	2.25
110	MP1A	Z	4.844	2.25
111	MP1A	Mx	-.006	2.25
112	MP1B	X	-9.932	2.25
113	MP1B	Z	5.735	2.25
114	MP1B	Mx	-.001	2.25
115	MP1C	X	-11.475	2.25
116	MP1C	Z	6.625	2.25
117	MP1C	Mx	.01	2.25
118	MP4A	X	-8.027	2.25
119	MP4A	Z	4.634	2.25
120	MP4A	Mx	-.007	2.25
121	MP4B	X	-8.027	2.25
122	MP4B	Z	4.634	2.25
123	MP4B	Mx	.000924	2.25
124	MP4C	X	-11.714	2.25
125	MP4C	Z	6.763	2.25
126	MP4C	Mx	.009	2.25
127	MP4A	X	-9.042	2.25
128	MP4A	Z	5.22	2.25
129	MP4A	Mx	-.001	2.25
130	MP4B	X	-9.042	2.25
131	MP4B	Z	5.22	2.25
132	MP4B	Mx	.008	2.25
133	MP4C	X	-11.714	2.25
134	MP4C	Z	6.763	2.25
135	MP4C	Mx	-.009	2.25
136	MP1A	X	-2.696	5
137	MP1A	Z	1.556	5
138	MP1A	Mx	-.002	5
139	MP1B	X	-4.429	5
140	MP1B	Z	2.557	5
141	MP1B	Mx	.002	5
142	MP1C	X	-6.162	5
143	MP1C	Z	3.558	5
144	MP1C	Mx	.000921	5
145	MP4A	X	-5.715	5
146	MP4A	Z	3.3	5
147	MP4A	Mx	-.001	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	-25.905	1.21
2	MP1A	Z	0	1.21
3	MP1A	Mx	.016	1.21
4	MP1A	X	-25.905	4.7
5	MP1A	Z	0	4.7
6	MP1A	Mx	.016	4.7
7	MP1B	X	-39.258	1.21
8	MP1B	Z	0	1.21
9	MP1B	Mx	.029	1.21
10	MP1B	X	-39.258	4.7
11	MP1B	Z	0	4.7
12	MP1B	Mx	.029	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
13	MP1C	X	-32.582	1.21
14	MP1C	Z	0	1.21
15	MP1C	Mx	-.044	1.21
16	MP1C	X	-32.582	4.7
17	MP1C	Z	0	4.7
18	MP1C	Mx	-.044	4.7
19	MP1A	X	-25.905	1.21
20	MP1A	Z	0	1.21
21	MP1A	Mx	.03	1.21
22	MP1A	X	-25.905	4.7
23	MP1A	Z	0	4.7
24	MP1A	Mx	.03	4.7
25	MP1B	X	-39.258	1.21
26	MP1B	Z	0	1.21
27	MP1B	Mx	-.047	1.21
28	MP1B	X	-39.258	4.7
29	MP1B	Z	0	4.7
30	MP1B	Mx	-.047	4.7
31	MP1C	X	-32.582	1.21
32	MP1C	Z	0	1.21
33	MP1C	Mx	.002	1.21
34	MP1C	X	-32.582	4.7
35	MP1C	Z	0	4.7
36	MP1C	Mx	.002	4.7
37	MP4A	X	-29.945	1.21
38	MP4A	Z	0	1.21
39	MP4A	Mx	.04	1.21
40	MP4A	X	-29.945	4.7
41	MP4A	Z	0	4.7
42	MP4A	Mx	.04	4.7
43	MP4B	X	-27.626	1.21
44	MP4B	Z	0	1.21
45	MP4B	Mx	-.011	1.21
46	MP4B	X	-27.626	4.7
47	MP4B	Z	0	4.7
48	MP4B	Mx	-.011	4.7
49	MP4C	X	-40.174	1.21
50	MP4C	Z	0	1.21
51	MP4C	Mx	-.037	1.21
52	MP4C	X	-40.174	4.7
53	MP4C	Z	0	4.7
54	MP4C	Mx	-.037	4.7
55	MP4A	X	-29.945	1.21
56	MP4A	Z	0	1.21
57	MP4A	Mx	.005	1.21
58	MP4A	X	-29.945	4.7
59	MP4A	Z	0	4.7
60	MP4A	Mx	.005	4.7
61	MP4B	X	-27.626	1.21
62	MP4B	Z	0	1.21
63	MP4B	Mx	-.035	1.21
64	MP4B	X	-27.626	4.7
65	MP4B	Z	0	4.7
66	MP4B	Mx	-.035	4.7
67	MP4C	X	-40.174	1.21
68	MP4C	Z	0	1.21
69	MP4C	Mx	.043	1.21
70	MP4C	X	-40.174	4.7
71	MP4C	Z	0	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP4C	Mx	.043	4.7
73	MP3A	X	-2.057	1
74	MP3A	Z	0	1
75	MP3A	Mx	.000857	1
76	MP3B	X	-5.747	1
77	MP3B	Z	0	1
78	MP3B	Mx	-.001	1
79	MP3C	X	-5.747	1
80	MP3C	Z	0	1
81	MP3C	Mx	-.001	1
82	MP3A	X	-6.838	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	.003	2.5
85	MP3A	X	-6.838	4.5
86	MP3A	Z	0	4.5
87	MP3A	Mx	.003	4.5
88	MP3B	X	-13.739	2.5
89	MP3B	Z	0	2.5
90	MP3B	Mx	-.003	2.5
91	MP3B	X	-13.739	4.5
92	MP3B	Z	0	4.5
93	MP3B	Mx	-.003	4.5
94	MP3C	X	-13.739	2.5
95	MP3C	Z	0	2.5
96	MP3C	Mx	-.003	2.5
97	MP3C	X	-13.739	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	-.003	4.5
100	MP1A	X	-7.849	2.25
101	MP1A	Z	0	2.25
102	MP1A	Mx	-.004	2.25
103	MP1B	X	-12.107	2.25
104	MP1B	Z	0	2.25
105	MP1B	Mx	.01	2.25
106	MP1C	X	-12.107	2.25
107	MP1C	Z	0	2.25
108	MP1C	Mx	-.004	2.25
109	MP1A	X	-9.688	2.25
110	MP1A	Z	0	2.25
111	MP1A	Mx	-.003	2.25
112	MP1B	X	-13.25	2.25
113	MP1B	Z	0	2.25
114	MP1B	Mx	-.007	2.25
115	MP1C	X	-11.469	2.25
116	MP1C	Z	0	2.25
117	MP1C	Mx	.009	2.25
118	MP4A	X	-7.849	2.25
119	MP4A	Z	0	2.25
120	MP4A	Mx	-.004	2.25
121	MP4B	X	-12.107	2.25
122	MP4B	Z	0	2.25
123	MP4B	Mx	-.004	2.25
124	MP4C	X	-12.107	2.25
125	MP4C	Z	0	2.25
126	MP4C	Mx	.01	2.25
127	MP4A	X	-9.412	2.25
128	MP4A	Z	0	2.25
129	MP4A	Mx	-.005	2.25
130	MP4B	X	-12.497	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
131	MP4B	Z	0	2.25
132	MP4B	Mx	.01	2.25
133	MP4C	X	-12.497	2.25
134	MP4C	Z	0	2.25
135	MP4C	Mx	-.004	2.25
136	MP1A	X	-3.113	5
137	MP1A	Z	0	5
138	MP1A	Mx	-.002	5
139	MP1B	X	-7.115	5
140	MP1B	Z	0	5
141	MP1B	Mx	.000921	5
142	MP1C	X	-5.114	5
143	MP1C	Z	0	5
144	MP1C	Mx	.002	5
145	MP4A	X	-4.324	5
146	MP4A	Z	0	5
147	MP4A	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP1A	X	-28.217	1.21
2	MP1A	Z	-16.291	1.21
3	MP1A	Mx	-.002	1.21
4	MP1A	X	-28.217	4.7
5	MP1A	Z	-16.291	4.7
6	MP1A	Mx	-.002	4.7
7	MP1B	X	-33.998	1.21
8	MP1B	Z	-19.629	1.21
9	MP1B	Mx	.047	1.21
10	MP1B	X	-33.998	4.7
11	MP1B	Z	-19.629	4.7
12	MP1B	Mx	.047	4.7
13	MP1C	X	-22.435	1.21
14	MP1C	Z	-12.953	1.21
15	MP1C	Mx	-.03	1.21
16	MP1C	X	-22.435	4.7
17	MP1C	Z	-12.953	4.7
18	MP1C	Mx	-.03	4.7
19	MP1A	X	-28.217	1.21
20	MP1A	Z	-16.291	1.21
21	MP1A	Mx	.044	1.21
22	MP1A	X	-28.217	4.7
23	MP1A	Z	-16.291	4.7
24	MP1A	Mx	.044	4.7
25	MP1B	X	-33.998	1.21
26	MP1B	Z	-19.629	1.21
27	MP1B	Mx	-.029	1.21
28	MP1B	X	-33.998	4.7
29	MP1B	Z	-19.629	4.7
30	MP1B	Mx	-.029	4.7
31	MP1C	X	-22.435	1.21
32	MP1C	Z	-12.953	1.21
33	MP1C	Mx	-.016	1.21
34	MP1C	X	-22.435	4.7
35	MP1C	Z	-12.953	4.7
36	MP1C	Mx	-.016	4.7
37	MP4A	X	-21.642	1.21
38	MP4A	Z	-12.495	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
39	MP4A	Mx	.025	1.21
40	MP4A	X	-21.642	4.7
41	MP4A	Z	-12.495	4.7
42	MP4A	Mx	.025	4.7
43	MP4B	X	-30.5	1.21
44	MP4B	Z	-17.609	1.21
45	MP4B	Mx	.01	1.21
46	MP4B	X	-30.5	4.7
47	MP4B	Z	-17.609	4.7
48	MP4B	Mx	.01	4.7
49	MP4C	X	-32.508	1.21
50	MP4C	Z	-18.769	1.21
51	MP4C	Mx	-.049	1.21
52	MP4C	X	-32.508	4.7
53	MP4C	Z	-18.769	4.7
54	MP4C	Mx	-.049	4.7
55	MP4A	X	-21.642	1.21
56	MP4A	Z	-12.495	1.21
57	MP4A	Mx	.021	1.21
58	MP4A	X	-21.642	4.7
59	MP4A	Z	-12.495	4.7
60	MP4A	Mx	.021	4.7
61	MP4B	X	-30.5	1.21
62	MP4B	Z	-17.609	1.21
63	MP4B	Mx	-.047	1.21
64	MP4B	X	-30.5	4.7
65	MP4B	Z	-17.609	4.7
66	MP4B	Mx	-.047	4.7
67	MP4C	X	-32.508	1.21
68	MP4C	Z	-18.769	1.21
69	MP4C	Mx	.019	1.21
70	MP4C	X	-32.508	4.7
71	MP4C	Z	-18.769	4.7
72	MP4C	Mx	.019	4.7
73	MP3A	X	-2.847	1
74	MP3A	Z	-1.644	1
75	MP3A	Mx	.001	1
76	MP3B	X	-6.042	1
77	MP3B	Z	-3.488	1
78	MP3B	Mx	0	1
79	MP3C	X	-2.847	1
80	MP3C	Z	-1.644	1
81	MP3C	Mx	-.001	1
82	MP3A	X	-7.914	2.5
83	MP3A	Z	-4.569	2.5
84	MP3A	Mx	.004	2.5
85	MP3A	X	-7.914	4.5
86	MP3A	Z	-4.569	4.5
87	MP3A	Mx	.004	4.5
88	MP3B	X	-13.89	2.5
89	MP3B	Z	-8.02	2.5
90	MP3B	Mx	0	2.5
91	MP3B	X	-13.89	4.5
92	MP3B	Z	-8.02	4.5
93	MP3B	Mx	0	4.5
94	MP3C	X	-7.914	2.5
95	MP3C	Z	-4.569	2.5
96	MP3C	Mx	-.004	2.5
97	MP3C	X	-7.914	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
98	MP3C	Z	-4.569	4.5
99	MP3C	Mx	-.004	4.5
100	MP1A	X	-8.027	2.25
101	MP1A	Z	-4.634	2.25
102	MP1A	Mx	-.007	2.25
103	MP1B	X	-11.714	2.25
104	MP1B	Z	-6.763	2.25
105	MP1B	Mx	.009	2.25
106	MP1C	X	-8.027	2.25
107	MP1C	Z	-4.634	2.25
108	MP1C	Mx	.000924	2.25
109	MP1A	X	-9.932	2.25
110	MP1A	Z	-5.735	2.25
111	MP1A	Mx	.001	2.25
112	MP1B	X	-11.475	2.25
113	MP1B	Z	-6.625	2.25
114	MP1B	Mx	-.01	2.25
115	MP1C	X	-8.39	2.25
116	MP1C	Z	-4.844	2.25
117	MP1C	Mx	.006	2.25
118	MP4A	X	-8.027	2.25
119	MP4A	Z	-4.634	2.25
120	MP4A	Mx	-.000924	2.25
121	MP4B	X	-11.714	2.25
122	MP4B	Z	-6.763	2.25
123	MP4B	Mx	-.009	2.25
124	MP4C	X	-8.027	2.25
125	MP4C	Z	-4.634	2.25
126	MP4C	Mx	.007	2.25
127	MP4A	X	-9.042	2.25
128	MP4A	Z	-5.22	2.25
129	MP4A	Mx	-.008	2.25
130	MP4B	X	-11.714	2.25
131	MP4B	Z	-6.763	2.25
132	MP4B	Mx	.009	2.25
133	MP4C	X	-9.042	2.25
134	MP4C	Z	-5.22	2.25
135	MP4C	Mx	.001	2.25
136	MP1A	X	-4.429	5
137	MP1A	Z	-2.557	5
138	MP1A	Mx	-.002	5
139	MP1B	X	-6.162	5
140	MP1B	Z	-3.558	5
141	MP1B	Mx	-.000921	5
142	MP1C	X	-2.696	5
143	MP1C	Z	-1.556	5
144	MP1C	Mx	.002	5
145	MP4A	X	-2.458	5
146	MP4A	Z	-1.419	5
147	MP4A	Mx	-.001	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-19.629	1.21
2	MP1A	Z	-33.998	1.21
3	MP1A	Mx	-.029	1.21
4	MP1A	X	-19.629	4.7
5	MP1A	Z	-33.998	4.7



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
6	MP1A	Mx	-.029	4.7
7	MP1B	X	-16.291	1.21
8	MP1B	Z	-28.217	1.21
9	MP1B	Mx	.044	1.21
10	MP1B	X	-16.291	4.7
11	MP1B	Z	-28.217	4.7
12	MP1B	Mx	.044	4.7
13	MP1C	X	-12.953	1.21
14	MP1C	Z	-22.435	1.21
15	MP1C	Mx	-.016	1.21
16	MP1C	X	-12.953	4.7
17	MP1C	Z	-22.435	4.7
18	MP1C	Mx	-.016	4.7
19	MP1A	X	-19.629	1.21
20	MP1A	Z	-33.998	1.21
21	MP1A	Mx	.047	1.21
22	MP1A	X	-19.629	4.7
23	MP1A	Z	-33.998	4.7
24	MP1A	Mx	.047	4.7
25	MP1B	X	-16.291	1.21
26	MP1B	Z	-28.217	1.21
27	MP1B	Mx	-.002	1.21
28	MP1B	X	-16.291	4.7
29	MP1B	Z	-28.217	4.7
30	MP1B	Mx	-.002	4.7
31	MP1C	X	-12.953	1.21
32	MP1C	Z	-22.435	1.21
33	MP1C	Mx	-.03	1.21
34	MP1C	X	-12.953	4.7
35	MP1C	Z	-22.435	4.7
36	MP1C	Mx	-.03	4.7
37	MP4A	X	-13.813	1.21
38	MP4A	Z	-23.925	1.21
39	MP4A	Mx	.011	1.21
40	MP4A	X	-13.813	4.7
41	MP4A	Z	-23.925	4.7
42	MP4A	Mx	.011	4.7
43	MP4B	X	-20.087	1.21
44	MP4B	Z	-34.791	1.21
45	MP4B	Mx	.037	1.21
46	MP4B	X	-20.087	4.7
47	MP4B	Z	-34.791	4.7
48	MP4B	Mx	.037	4.7
49	MP4C	X	-14.972	1.21
50	MP4C	Z	-25.933	1.21
51	MP4C	Mx	-.04	1.21
52	MP4C	X	-14.972	4.7
53	MP4C	Z	-25.933	4.7
54	MP4C	Mx	-.04	4.7
55	MP4A	X	-13.813	1.21
56	MP4A	Z	-23.925	1.21
57	MP4A	Mx	.035	1.21
58	MP4A	X	-13.813	4.7
59	MP4A	Z	-23.925	4.7
60	MP4A	Mx	.035	4.7
61	MP4B	X	-20.087	1.21
62	MP4B	Z	-34.791	1.21
63	MP4B	Mx	-.043	1.21
64	MP4B	X	-20.087	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
65	MP4B	Z	-34.791	4.7
66	MP4B	Mx	-.043	4.7
67	MP4C	X	-14.972	1.21
68	MP4C	Z	-25.933	1.21
69	MP4C	Mx	-.005	1.21
70	MP4C	X	-14.972	4.7
71	MP4C	Z	-25.933	4.7
72	MP4C	Mx	-.005	4.7
73	MP3A	X	-2.874	1
74	MP3A	Z	-4.977	1
75	MP3A	Mx	.001	1
76	MP3B	X	-2.874	1
77	MP3B	Z	-4.977	1
78	MP3B	Mx	.001	1
79	MP3C	X	-1.029	1
80	MP3C	Z	-1.782	1
81	MP3C	Mx	-.000857	1
82	MP3A	X	-6.87	2.5
83	MP3A	Z	-11.898	2.5
84	MP3A	Mx	.003	2.5
85	MP3A	X	-6.87	4.5
86	MP3A	Z	-11.898	4.5
87	MP3A	Mx	.003	4.5
88	MP3B	X	-6.87	2.5
89	MP3B	Z	-11.898	2.5
90	MP3B	Mx	.003	2.5
91	MP3B	X	-6.87	4.5
92	MP3B	Z	-11.898	4.5
93	MP3B	Mx	.003	4.5
94	MP3C	X	-3.419	2.5
95	MP3C	Z	-5.922	2.5
96	MP3C	Mx	-.003	2.5
97	MP3C	X	-3.419	4.5
98	MP3C	Z	-5.922	4.5
99	MP3C	Mx	-.003	4.5
100	MP1A	X	-6.053	2.25
101	MP1A	Z	-10.485	2.25
102	MP1A	Mx	-.01	2.25
103	MP1B	X	-6.053	2.25
104	MP1B	Z	-10.485	2.25
105	MP1B	Mx	.004	2.25
106	MP1C	X	-3.925	2.25
107	MP1C	Z	-6.798	2.25
108	MP1C	Mx	.004	2.25
109	MP1A	X	-6.625	2.25
110	MP1A	Z	-11.475	2.25
111	MP1A	Mx	.007	2.25
112	MP1B	X	-5.735	2.25
113	MP1B	Z	-9.932	2.25
114	MP1B	Mx	-.009	2.25
115	MP1C	X	-4.844	2.25
116	MP1C	Z	-8.39	2.25
117	MP1C	Mx	.003	2.25
118	MP4A	X	-6.053	2.25
119	MP4A	Z	-10.485	2.25
120	MP4A	Mx	.004	2.25
121	MP4B	X	-6.053	2.25
122	MP4B	Z	-10.485	2.25
123	MP4B	Mx	-.01	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
124	MP4C	X	-3.925	2.25
125	MP4C	Z	-6.798	2.25
126	MP4C	Mx	.004	2.25
127	MP4A	X	-6.249	2.25
128	MP4A	Z	-10.823	2.25
129	MP4A	Mx	-.01	2.25
130	MP4B	X	-6.249	2.25
131	MP4B	Z	-10.823	2.25
132	MP4B	Mx	.004	2.25
133	MP4C	X	-4.706	2.25
134	MP4C	Z	-8.151	2.25
135	MP4C	Mx	.005	2.25
136	MP1A	X	-3.558	5
137	MP1A	Z	-6.162	5
138	MP1A	Mx	-.000921	5
139	MP1B	X	-2.557	5
140	MP1B	Z	-4.429	5
141	MP1B	Mx	-.002	5
142	MP1C	X	-1.556	5
143	MP1C	Z	-2.696	5
144	MP1C	Mx	.002	5
145	MP4A	X	-1.814	5
146	MP4A	Z	-3.142	5
147	MP4A	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	0	1.21
2	MP1A	Z	-7.556	1.21
3	MP1A	Mx	-.009	1.21
4	MP1A	X	0	4.7
5	MP1A	Z	-7.556	4.7
6	MP1A	Mx	-.009	4.7
7	MP1B	X	0	1.21
8	MP1B	Z	-4.132	1.21
9	MP1B	Mx	.005	1.21
10	MP1B	X	0	4.7
11	MP1B	Z	-4.132	4.7
12	MP1B	Mx	.005	4.7
13	MP1C	X	0	1.21
14	MP1C	Z	-5.844	1.21
15	MP1C	Mx	.000344	1.21
16	MP1C	X	0	4.7
17	MP1C	Z	-5.844	4.7
18	MP1C	Mx	.000344	4.7
19	MP1A	X	0	1.21
20	MP1A	Z	-7.556	1.21
21	MP1A	Mx	.006	1.21
22	MP1A	X	0	4.7
23	MP1A	Z	-7.556	4.7
24	MP1A	Mx	.006	4.7
25	MP1B	X	0	1.21
26	MP1B	Z	-4.132	1.21
27	MP1B	Mx	.003	1.21
28	MP1B	X	0	4.7
29	MP1B	Z	-4.132	4.7
30	MP1B	Mx	.003	4.7
31	MP1C	X	0	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
32	MP1C	Z	-5.844	1.21
33	MP1C	Mx	-.008	1.21
34	MP1C	X	0	4.7
35	MP1C	Z	-5.844	4.7
36	MP1C	Mx	-.008	4.7
37	MP4A	X	0	1.21
38	MP4A	Z	-6.52	1.21
39	MP4A	Mx	-.002	1.21
40	MP4A	X	0	4.7
41	MP4A	Z	-6.52	4.7
42	MP4A	Mx	-.002	4.7
43	MP4B	X	0	1.21
44	MP4B	Z	-7.114	1.21
45	MP4B	Mx	.009	1.21
46	MP4B	X	0	4.7
47	MP4B	Z	-7.114	4.7
48	MP4B	Mx	.009	4.7
49	MP4C	X	0	1.21
50	MP4C	Z	-3.897	1.21
51	MP4C	Mx	-.004	1.21
52	MP4C	X	0	4.7
53	MP4C	Z	-3.897	4.7
54	MP4C	Mx	-.004	4.7
55	MP4A	X	0	1.21
56	MP4A	Z	-6.52	1.21
57	MP4A	Mx	.009	1.21
58	MP4A	X	0	4.7
59	MP4A	Z	-6.52	4.7
60	MP4A	Mx	.009	4.7
61	MP4B	X	0	1.21
62	MP4B	Z	-7.114	1.21
63	MP4B	Mx	-.004	1.21
64	MP4B	X	0	4.7
65	MP4B	Z	-7.114	4.7
66	MP4B	Mx	-.004	4.7
67	MP4C	X	0	1.21
68	MP4C	Z	-3.897	1.21
69	MP4C	Mx	-.003	1.21
70	MP4C	X	0	4.7
71	MP4C	Z	-3.897	4.7
72	MP4C	Mx	-.003	4.7
73	MP3A	X	0	1
74	MP3A	Z	-1.933	1
75	MP3A	Mx	0	1
76	MP3B	X	0	1
77	MP3B	Z	-.768	1
78	MP3B	Mx	.000277	1
79	MP3C	X	0	1
80	MP3C	Z	-.768	1
81	MP3C	Mx	-.000277	1
82	MP3A	X	0	2.5
83	MP3A	Z	-4.258	2.5
84	MP3A	Mx	0	2.5
85	MP3A	X	0	4.5
86	MP3A	Z	-4.258	4.5
87	MP3A	Mx	0	4.5
88	MP3B	X	0	2.5
89	MP3B	Z	-2.164	2.5
90	MP3B	Mx	.000937	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
91	MP3B	X	0	4.5
92	MP3B	Z	-2.164	4.5
93	MP3B	Mx	.000937	4.5
94	MP3C	X	0	2.5
95	MP3C	Z	-2.164	2.5
96	MP3C	Mx	-.000937	2.5
97	MP3C	X	0	4.5
98	MP3C	Z	-2.164	4.5
99	MP3C	Mx	-.000937	4.5
100	MP1A	X	0	2.25
101	MP1A	Z	-3.367	2.25
102	MP1A	Mx	-.002	2.25
103	MP1B	X	0	2.25
104	MP1B	Z	-2.227	2.25
105	MP1B	Mx	-.000222	2.25
106	MP1C	X	0	2.25
107	MP1C	Z	-2.227	2.25
108	MP1C	Mx	.002	2.25
109	MP1A	X	0	2.25
110	MP1A	Z	-3.293	2.25
111	MP1A	Mx	.003	2.25
112	MP1B	X	0	2.25
113	MP1B	Z	-2.333	2.25
114	MP1B	Mx	-.002	2.25
115	MP1C	X	0	2.25
116	MP1C	Z	-2.813	2.25
117	MP1C	Mx	-.000332	2.25
118	MP4A	X	0	2.25
119	MP4A	Z	-3.367	2.25
120	MP4A	Mx	.002	2.25
121	MP4B	X	0	2.25
122	MP4B	Z	-2.227	2.25
123	MP4B	Mx	-.002	2.25
124	MP4C	X	0	2.25
125	MP4C	Z	-2.227	2.25
126	MP4C	Mx	.000222	2.25
127	MP4A	X	0	2.25
128	MP4A	Z	-3.367	2.25
129	MP4A	Mx	-.002	2.25
130	MP4B	X	0	2.25
131	MP4B	Z	-2.536	2.25
132	MP4B	Mx	-.000253	2.25
133	MP4C	X	0	2.25
134	MP4C	Z	-2.536	2.25
135	MP4C	Mx	.002	2.25
136	MP1A	X	0	5
137	MP1A	Z	-1.984	5
138	MP1A	Mx	.000257	5
139	MP1B	X	0	5
140	MP1B	Z	-.728	5
141	MP1B	Mx	-.000352	5
142	MP1C	X	0	5
143	MP1C	Z	-1.356	5
144	MP1C	Mx	.000479	5
145	MP4A	X	0	5
146	MP4A	Z	-1.604	5
147	MP4A	Mx	-.00046	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	2.922	1.21
2	MP1A	Z	-5.061	1.21
3	MP1A	Mx	-.008	1.21
4	MP1A	X	2.922	4.7
5	MP1A	Z	-5.061	4.7
6	MP1A	Mx	-.008	4.7
7	MP1B	X	2.066	1.21
8	MP1B	Z	-3.578	1.21
9	MP1B	Mx	.003	1.21
10	MP1B	X	2.066	4.7
11	MP1B	Z	-3.578	4.7
12	MP1B	Mx	.003	4.7
13	MP1C	X	3.778	1.21
14	MP1C	Z	-6.543	1.21
15	MP1C	Mx	.006	1.21
16	MP1C	X	3.778	4.7
17	MP1C	Z	-6.543	4.7
18	MP1C	Mx	.006	4.7
19	MP1A	X	2.922	1.21
20	MP1A	Z	-5.061	1.21
21	MP1A	Mx	.000344	1.21
22	MP1A	X	2.922	4.7
23	MP1A	Z	-5.061	4.7
24	MP1A	Mx	.000344	4.7
25	MP1B	X	2.066	1.21
26	MP1B	Z	-3.578	1.21
27	MP1B	Mx	.005	1.21
28	MP1B	X	2.066	4.7
29	MP1B	Z	-3.578	4.7
30	MP1B	Mx	.005	4.7
31	MP1C	X	3.778	1.21
32	MP1C	Z	-6.543	1.21
33	MP1C	Mx	-.009	1.21
34	MP1C	X	3.778	4.7
35	MP1C	Z	-6.543	4.7
36	MP1C	Mx	-.009	4.7
37	MP4A	X	3.895	1.21
38	MP4A	Z	-6.747	1.21
39	MP4A	Mx	-.007	1.21
40	MP4A	X	3.895	4.7
41	MP4A	Z	-6.747	4.7
42	MP4A	Mx	-.007	4.7
43	MP4B	X	2.584	1.21
44	MP4B	Z	-4.475	1.21
45	MP4B	Mx	.007	1.21
46	MP4B	X	2.584	4.7
47	MP4B	Z	-4.475	4.7
48	MP4B	Mx	.007	4.7
49	MP4C	X	2.286	1.21
50	MP4C	Z	-3.96	1.21
51	MP4C	Mx	-.002	1.21
52	MP4C	X	2.286	4.7
53	MP4C	Z	-3.96	4.7
54	MP4C	Mx	-.002	4.7
55	MP4A	X	3.895	1.21
56	MP4A	Z	-6.747	1.21
57	MP4A	Mx	.008	1.21
58	MP4A	X	3.895	4.7
59	MP4A	Z	-6.747	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
60	MP4A	Mx	.008	4.7
61	MP4B	X	2.584	1.21
62	MP4B	Z	-4.475	1.21
63	MP4B	Mx	.000917	1.21
64	MP4B	X	2.584	4.7
65	MP4B	Z	-4.475	4.7
66	MP4B	Mx	.000917	4.7
67	MP4C	X	2.286	1.21
68	MP4C	Z	-3.96	1.21
69	MP4C	Mx	-.006	1.21
70	MP4C	X	2.286	4.7
71	MP4C	Z	-3.96	4.7
72	MP4C	Mx	-.006	4.7
73	MP3A	X	.772	1
74	MP3A	Z	-1.338	1
75	MP3A	Mx	-.000322	1
76	MP3B	X	.19	1
77	MP3B	Z	-.328	1
78	MP3B	Mx	.000158	1
79	MP3C	X	.772	1
80	MP3C	Z	-1.338	1
81	MP3C	Mx	-.000322	1
82	MP3A	X	1.78	2.5
83	MP3A	Z	-3.083	2.5
84	MP3A	Mx	-.00089	2.5
85	MP3A	X	1.78	4.5
86	MP3A	Z	-3.083	4.5
87	MP3A	Mx	-.00089	4.5
88	MP3B	X	.733	2.5
89	MP3B	Z	-1.27	2.5
90	MP3B	Mx	.000733	2.5
91	MP3B	X	.733	4.5
92	MP3B	Z	-1.27	4.5
93	MP3B	Mx	.000733	4.5
94	MP3C	X	1.78	2.5
95	MP3C	Z	-3.083	2.5
96	MP3C	Mx	-.00089	2.5
97	MP3C	X	1.78	4.5
98	MP3C	Z	-3.083	4.5
99	MP3C	Mx	-.00089	4.5
100	MP1A	X	1.494	2.25
101	MP1A	Z	-2.587	2.25
102	MP1A	Mx	-.000978	2.25
103	MP1B	X	.923	2.25
104	MP1B	Z	-1.599	2.25
105	MP1B	Mx	-.000923	2.25
106	MP1C	X	1.494	2.25
107	MP1C	Z	-2.587	2.25
108	MP1C	Mx	.002	2.25
109	MP1A	X	1.407	2.25
110	MP1A	Z	-2.436	2.25
111	MP1A	Mx	.002	2.25
112	MP1B	X	1.167	2.25
113	MP1B	Z	-2.021	2.25
114	MP1B	Mx	-.000724	2.25
115	MP1C	X	1.646	2.25
116	MP1C	Z	-2.852	2.25
117	MP1C	Mx	-.002	2.25
118	MP4A	X	1.494	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
119	MP4A	Z	-2.587	2.25
120	MP4A	Mx	.002	2.25
121	MP4B	X	.923	2.25
122	MP4B	Z	-1.599	2.25
123	MP4B	Mx	-.000923	2.25
124	MP4C	X	1.494	2.25
125	MP4C	Z	-2.587	2.25
126	MP4C	Mx	-.000978	2.25
127	MP4A	X	1.545	2.25
128	MP4A	Z	-2.676	2.25
129	MP4A	Mx	-.001	2.25
130	MP4B	X	1.13	2.25
131	MP4B	Z	-1.957	2.25
132	MP4B	Mx	-.001	2.25
133	MP4C	X	1.545	2.25
134	MP4C	Z	-2.676	2.25
135	MP4C	Mx	.003	2.25
136	MP1A	X	.678	5
137	MP1A	Z	-1.175	5
138	MP1A	Mx	.00048	5
139	MP1B	X	.364	5
140	MP1B	Z	-.631	5
141	MP1B	Mx	-.000352	5
142	MP1C	X	.992	5
143	MP1C	Z	-1.719	5
144	MP1C	Mx	.000257	5
145	MP4A	X	1.035	5
146	MP4A	Z	-1.793	5
147	MP4A	Mx	-9e-5	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	3.578	1.21
2	MP1A	Z	-2.066	1.21
3	MP1A	Mx	-.005	1.21
4	MP1A	X	3.578	4.7
5	MP1A	Z	-2.066	4.7
6	MP1A	Mx	-.005	4.7
7	MP1B	X	5.061	1.21
8	MP1B	Z	-2.922	1.21
9	MP1B	Mx	-.000344	1.21
10	MP1B	X	5.061	4.7
11	MP1B	Z	-2.922	4.7
12	MP1B	Mx	-.000344	4.7
13	MP1C	X	6.543	1.21
14	MP1C	Z	-3.778	1.21
15	MP1C	Mx	.009	1.21
16	MP1C	X	6.543	4.7
17	MP1C	Z	-3.778	4.7
18	MP1C	Mx	.009	4.7
19	MP1A	X	3.578	1.21
20	MP1A	Z	-2.066	1.21
21	MP1A	Mx	-.003	1.21
22	MP1A	X	3.578	4.7
23	MP1A	Z	-2.066	4.7
24	MP1A	Mx	-.003	4.7
25	MP1B	X	5.061	1.21
26	MP1B	Z	-2.922	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
27	MP1B	Mx	.008	1.21
28	MP1B	X	5.061	4.7
29	MP1B	Z	-2.922	4.7
30	MP1B	Mx	.008	4.7
31	MP1C	X	6.543	1.21
32	MP1C	Z	-3.778	1.21
33	MP1C	Mx	-.006	1.21
34	MP1C	X	6.543	4.7
35	MP1C	Z	-3.778	4.7
36	MP1C	Mx	-.006	4.7
37	MP4A	X	6.161	1.21
38	MP4A	Z	-3.557	1.21
39	MP4A	Mx	-.009	1.21
40	MP4A	X	6.161	4.7
41	MP4A	Z	-3.557	4.7
42	MP4A	Mx	-.009	4.7
43	MP4B	X	3.375	1.21
44	MP4B	Z	-1.948	1.21
45	MP4B	Mx	.004	1.21
46	MP4B	X	3.375	4.7
47	MP4B	Z	-1.948	4.7
48	MP4B	Mx	.004	4.7
49	MP4C	X	5.646	1.21
50	MP4C	Z	-3.26	1.21
51	MP4C	Mx	.002	1.21
52	MP4C	X	5.646	4.7
53	MP4C	Z	-3.26	4.7
54	MP4C	Mx	.002	4.7
55	MP4A	X	6.161	1.21
56	MP4A	Z	-3.557	1.21
57	MP4A	Mx	.004	1.21
58	MP4A	X	6.161	4.7
59	MP4A	Z	-3.557	4.7
60	MP4A	Mx	.004	4.7
61	MP4B	X	3.375	1.21
62	MP4B	Z	-1.948	1.21
63	MP4B	Mx	.003	1.21
64	MP4B	X	3.375	4.7
65	MP4B	Z	-1.948	4.7
66	MP4B	Mx	.003	4.7
67	MP4C	X	5.646	1.21
68	MP4C	Z	-3.26	1.21
69	MP4C	Mx	-.009	1.21
70	MP4C	X	5.646	4.7
71	MP4C	Z	-3.26	4.7
72	MP4C	Mx	-.009	4.7
73	MP3A	X	.665	1
74	MP3A	Z	-.384	1
75	MP3A	Mx	-.000277	1
76	MP3B	X	.665	1
77	MP3B	Z	-.384	1
78	MP3B	Mx	.000277	1
79	MP3C	X	1.674	1
80	MP3C	Z	-.967	1
81	MP3C	Mx	0	1
82	MP3A	X	1.874	2.5
83	MP3A	Z	-1.082	2.5
84	MP3A	Mx	-.000937	2.5
85	MP3A	X	1.874	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP3A	Z	-1.082	4.5
87	MP3A	Mx	-.000937	4.5
88	MP3B	X	1.874	2.5
89	MP3B	Z	-1.082	2.5
90	MP3B	Mx	.000937	2.5
91	MP3B	X	1.874	4.5
92	MP3B	Z	-1.082	4.5
93	MP3B	Mx	.000937	4.5
94	MP3C	X	3.687	2.5
95	MP3C	Z	-2.129	2.5
96	MP3C	Mx	0	2.5
97	MP3C	X	3.687	4.5
98	MP3C	Z	-2.129	4.5
99	MP3C	Mx	0	4.5
100	MP1A	X	1.928	2.25
101	MP1A	Z	-1.113	2.25
102	MP1A	Mx	.000222	2.25
103	MP1B	X	1.928	2.25
104	MP1B	Z	-1.113	2.25
105	MP1B	Mx	-.002	2.25
106	MP1C	X	2.916	2.25
107	MP1C	Z	-1.684	2.25
108	MP1C	Mx	.002	2.25
109	MP1A	X	2.021	2.25
110	MP1A	Z	-1.167	2.25
111	MP1A	Mx	.002	2.25
112	MP1B	X	2.436	2.25
113	MP1B	Z	-1.407	2.25
114	MP1B	Mx	.000331	2.25
115	MP1C	X	2.852	2.25
116	MP1C	Z	-1.646	2.25
117	MP1C	Mx	-.003	2.25
118	MP4A	X	1.928	2.25
119	MP4A	Z	-1.113	2.25
120	MP4A	Mx	.002	2.25
121	MP4B	X	1.928	2.25
122	MP4B	Z	-1.113	2.25
123	MP4B	Mx	-.000222	2.25
124	MP4C	X	2.916	2.25
125	MP4C	Z	-1.684	2.25
126	MP4C	Mx	-.002	2.25
127	MP4A	X	2.196	2.25
128	MP4A	Z	-1.268	2.25
129	MP4A	Mx	.000253	2.25
130	MP4B	X	2.196	2.25
131	MP4B	Z	-1.268	2.25
132	MP4B	Mx	-.002	2.25
133	MP4C	X	2.916	2.25
134	MP4C	Z	-1.684	2.25
135	MP4C	Mx	.002	2.25
136	MP1A	X	.631	5
137	MP1A	Z	-.364	5
138	MP1A	Mx	.000352	5
139	MP1B	X	1.175	5
140	MP1B	Z	-.678	5
141	MP1B	Mx	-.00048	5
142	MP1C	X	1.719	5
143	MP1C	Z	-.992	5
144	MP1C	Mx	-.000257	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
145	MP4A	X	1.578	5
146	MP4A	Z	-.911	5
147	MP4A	Mx	.000385	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	4.132	1.21
2	MP1A	Z	0	1.21
3	MP1A	Mx	-.003	1.21
4	MP1A	X	4.132	4.7
5	MP1A	Z	0	4.7
6	MP1A	Mx	-.003	4.7
7	MP1B	X	7.556	1.21
8	MP1B	Z	0	1.21
9	MP1B	Mx	-.006	1.21
10	MP1B	X	7.556	4.7
11	MP1B	Z	0	4.7
12	MP1B	Mx	-.006	4.7
13	MP1C	X	5.844	1.21
14	MP1C	Z	0	1.21
15	MP1C	Mx	.008	1.21
16	MP1C	X	5.844	4.7
17	MP1C	Z	0	4.7
18	MP1C	Mx	.008	4.7
19	MP1A	X	4.132	1.21
20	MP1A	Z	0	1.21
21	MP1A	Mx	-.005	1.21
22	MP1A	X	4.132	4.7
23	MP1A	Z	0	4.7
24	MP1A	Mx	-.005	4.7
25	MP1B	X	7.556	1.21
26	MP1B	Z	0	1.21
27	MP1B	Mx	.009	1.21
28	MP1B	X	7.556	4.7
29	MP1B	Z	0	4.7
30	MP1B	Mx	.009	4.7
31	MP1C	X	5.844	1.21
32	MP1C	Z	0	1.21
33	MP1C	Mx	-.000344	1.21
34	MP1C	X	5.844	4.7
35	MP1C	Z	0	4.7
36	MP1C	Mx	-.000344	4.7
37	MP4A	X	5.168	1.21
38	MP4A	Z	0	1.21
39	MP4A	Mx	-.007	1.21
40	MP4A	X	5.168	4.7
41	MP4A	Z	0	4.7
42	MP4A	Mx	-.007	4.7
43	MP4B	X	4.573	1.21
44	MP4B	Z	0	1.21
45	MP4B	Mx	.002	1.21
46	MP4B	X	4.573	4.7
47	MP4B	Z	0	4.7
48	MP4B	Mx	.002	4.7
49	MP4C	X	7.791	1.21
50	MP4C	Z	0	1.21
51	MP4C	Mx	.007	1.21
52	MP4C	X	7.791	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
53	MP4C	Z	0	4.7
54	MP4C	Mx	.007	4.7
55	MP4A	X	5.168	1.21
56	MP4A	Z	0	1.21
57	MP4A	Mx	-.000916	1.21
58	MP4A	X	5.168	4.7
59	MP4A	Z	0	4.7
60	MP4A	Mx	-.000916	4.7
61	MP4B	X	4.573	1.21
62	MP4B	Z	0	1.21
63	MP4B	Mx	.006	1.21
64	MP4B	X	4.573	4.7
65	MP4B	Z	0	4.7
66	MP4B	Mx	.006	4.7
67	MP4C	X	7.791	1.21
68	MP4C	Z	0	1.21
69	MP4C	Mx	-.008	1.21
70	MP4C	X	7.791	4.7
71	MP4C	Z	0	4.7
72	MP4C	Mx	-.008	4.7
73	MP3A	X	.379	1
74	MP3A	Z	0	1
75	MP3A	Mx	-.000158	1
76	MP3B	X	1.545	1
77	MP3B	Z	0	1
78	MP3B	Mx	.000322	1
79	MP3C	X	1.545	1
80	MP3C	Z	0	1
81	MP3C	Mx	.000322	1
82	MP3A	X	1.466	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	-.000733	2.5
85	MP3A	X	1.466	4.5
86	MP3A	Z	0	4.5
87	MP3A	Mx	-.000733	4.5
88	MP3B	X	3.56	2.5
89	MP3B	Z	0	2.5
90	MP3B	Mx	.00089	2.5
91	MP3B	X	3.56	4.5
92	MP3B	Z	0	4.5
93	MP3B	Mx	.00089	4.5
94	MP3C	X	3.56	2.5
95	MP3C	Z	0	2.5
96	MP3C	Mx	.00089	2.5
97	MP3C	X	3.56	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	.00089	4.5
100	MP1A	X	1.847	2.25
101	MP1A	Z	0	2.25
102	MP1A	Mx	.000924	2.25
103	MP1B	X	2.987	2.25
104	MP1B	Z	0	2.25
105	MP1B	Mx	-.002	2.25
106	MP1C	X	2.987	2.25
107	MP1C	Z	0	2.25
108	MP1C	Mx	.000978	2.25
109	MP1A	X	2.333	2.25
110	MP1A	Z	0	2.25
111	MP1A	Mx	.000724	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
112	MP1B	X	3.293	2.25
113	MP1B	Z	0	2.25
114	MP1B	Mx	.002	2.25
115	MP1C	X	2.813	2.25
116	MP1C	Z	0	2.25
117	MP1C	Mx	-.002	2.25
118	MP4A	X	1.847	2.25
119	MP4A	Z	0	2.25
120	MP4A	Mx	.000924	2.25
121	MP4B	X	2.987	2.25
122	MP4B	Z	0	2.25
123	MP4B	Mx	.000978	2.25
124	MP4C	X	2.987	2.25
125	MP4C	Z	0	2.25
126	MP4C	Mx	-.002	2.25
127	MP4A	X	2.259	2.25
128	MP4A	Z	0	2.25
129	MP4A	Mx	.001	2.25
130	MP4B	X	3.09	2.25
131	MP4B	Z	0	2.25
132	MP4B	Mx	-.003	2.25
133	MP4C	X	3.09	2.25
134	MP4C	Z	0	2.25
135	MP4C	Mx	.001	2.25
136	MP1A	X	.728	5
137	MP1A	Z	0	5
138	MP1A	Mx	.000352	5
139	MP1B	X	1.984	5
140	MP1B	Z	0	5
141	MP1B	Mx	-.000257	5
142	MP1C	X	1.356	5
143	MP1C	Z	0	5
144	MP1C	Mx	-.000479	5
145	MP4A	X	1.108	5
146	MP4A	Z	0	5
147	MP4A	Mx	.000454	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	5.061	1.21
2	MP1A	Z	2.922	1.21
3	MP1A	Mx	.000344	1.21
4	MP1A	X	5.061	4.7
5	MP1A	Z	2.922	4.7
6	MP1A	Mx	.000344	4.7
7	MP1B	X	6.543	1.21
8	MP1B	Z	3.778	1.21
9	MP1B	Mx	-.009	1.21
10	MP1B	X	6.543	4.7
11	MP1B	Z	3.778	4.7
12	MP1B	Mx	-.009	4.7
13	MP1C	X	3.578	1.21
14	MP1C	Z	2.066	1.21
15	MP1C	Mx	.005	1.21
16	MP1C	X	3.578	4.7
17	MP1C	Z	2.066	4.7
18	MP1C	Mx	.005	4.7
19	MP1A	X	5.061	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
20	MP1A	Z	2.922	1.21
21	MP1A	Mx	-.008	1.21
22	MP1A	X	5.061	4.7
23	MP1A	Z	2.922	4.7
24	MP1A	Mx	-.008	4.7
25	MP1B	X	6.543	1.21
26	MP1B	Z	3.778	1.21
27	MP1B	Mx	.006	1.21
28	MP1B	X	6.543	4.7
29	MP1B	Z	3.778	4.7
30	MP1B	Mx	.006	4.7
31	MP1C	X	3.578	1.21
32	MP1C	Z	2.066	1.21
33	MP1C	Mx	.003	1.21
34	MP1C	X	3.578	4.7
35	MP1C	Z	2.066	4.7
36	MP1C	Mx	.003	4.7
37	MP4A	X	3.375	1.21
38	MP4A	Z	1.948	1.21
39	MP4A	Mx	-.004	1.21
40	MP4A	X	3.375	4.7
41	MP4A	Z	1.948	4.7
42	MP4A	Mx	-.004	4.7
43	MP4B	X	5.646	1.21
44	MP4B	Z	3.26	1.21
45	MP4B	Mx	-.002	1.21
46	MP4B	X	5.646	4.7
47	MP4B	Z	3.26	4.7
48	MP4B	Mx	-.002	4.7
49	MP4C	X	6.161	1.21
50	MP4C	Z	3.557	1.21
51	MP4C	Mx	.009	1.21
52	MP4C	X	6.161	4.7
53	MP4C	Z	3.557	4.7
54	MP4C	Mx	.009	4.7
55	MP4A	X	3.375	1.21
56	MP4A	Z	1.948	1.21
57	MP4A	Mx	-.003	1.21
58	MP4A	X	3.375	4.7
59	MP4A	Z	1.948	4.7
60	MP4A	Mx	-.003	4.7
61	MP4B	X	5.646	1.21
62	MP4B	Z	3.26	1.21
63	MP4B	Mx	.009	1.21
64	MP4B	X	5.646	4.7
65	MP4B	Z	3.26	4.7
66	MP4B	Mx	.009	4.7
67	MP4C	X	6.161	1.21
68	MP4C	Z	3.557	1.21
69	MP4C	Mx	-.004	1.21
70	MP4C	X	6.161	4.7
71	MP4C	Z	3.557	4.7
72	MP4C	Mx	-.004	4.7
73	MP3A	X	.665	1
74	MP3A	Z	.384	1
75	MP3A	Mx	-.000277	1
76	MP3B	X	1.674	1
77	MP3B	Z	.967	1
78	MP3B	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
79	MP3C	X	.665	1
80	MP3C	Z	.384	1
81	MP3C	Mx	.000277	1
82	MP3A	X	1.874	2.5
83	MP3A	Z	1.082	2.5
84	MP3A	Mx	-.000937	2.5
85	MP3A	X	1.874	4.5
86	MP3A	Z	1.082	4.5
87	MP3A	Mx	-.000937	4.5
88	MP3B	X	3.687	2.5
89	MP3B	Z	2.129	2.5
90	MP3B	Mx	0	2.5
91	MP3B	X	3.687	4.5
92	MP3B	Z	2.129	4.5
93	MP3B	Mx	0	4.5
94	MP3C	X	1.874	2.5
95	MP3C	Z	1.082	2.5
96	MP3C	Mx	.000937	2.5
97	MP3C	X	1.874	4.5
98	MP3C	Z	1.082	4.5
99	MP3C	Mx	.000937	4.5
100	MP1A	X	1.928	2.25
101	MP1A	Z	1.113	2.25
102	MP1A	Mx	.002	2.25
103	MP1B	X	2.916	2.25
104	MP1B	Z	1.684	2.25
105	MP1B	Mx	-.002	2.25
106	MP1C	X	1.928	2.25
107	MP1C	Z	1.113	2.25
108	MP1C	Mx	-.000222	2.25
109	MP1A	X	2.436	2.25
110	MP1A	Z	1.407	2.25
111	MP1A	Mx	-.000332	2.25
112	MP1B	X	2.852	2.25
113	MP1B	Z	1.646	2.25
114	MP1B	Mx	.003	2.25
115	MP1C	X	2.021	2.25
116	MP1C	Z	1.167	2.25
117	MP1C	Mx	-.002	2.25
118	MP4A	X	1.928	2.25
119	MP4A	Z	1.113	2.25
120	MP4A	Mx	.000222	2.25
121	MP4B	X	2.916	2.25
122	MP4B	Z	1.684	2.25
123	MP4B	Mx	.002	2.25
124	MP4C	X	1.928	2.25
125	MP4C	Z	1.113	2.25
126	MP4C	Mx	-.002	2.25
127	MP4A	X	2.196	2.25
128	MP4A	Z	1.268	2.25
129	MP4A	Mx	.002	2.25
130	MP4B	X	2.916	2.25
131	MP4B	Z	1.684	2.25
132	MP4B	Mx	-.002	2.25
133	MP4C	X	2.196	2.25
134	MP4C	Z	1.268	2.25
135	MP4C	Mx	-.000253	2.25
136	MP1A	X	1.175	5
137	MP1A	Z	.678	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
138	MP1A	Mx	.00048	5
139	MP1B	X	1.719	5
140	MP1B	Z	.992	5
141	MP1B	Mx	.000257	5
142	MP1C	X	.631	5
143	MP1C	Z	.364	5
144	MP1C	Mx	-.000352	5
145	MP4A	X	.556	5
146	MP4A	Z	.321	5
147	MP4A	Mx	.00032	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	3.778	1.21
2	MP1A	Z	6.543	1.21
3	MP1A	Mx	.006	1.21
4	MP1A	X	3.778	4.7
5	MP1A	Z	6.543	4.7
6	MP1A	Mx	.006	4.7
7	MP1B	X	2.922	1.21
8	MP1B	Z	5.061	1.21
9	MP1B	Mx	-.008	1.21
10	MP1B	X	2.922	4.7
11	MP1B	Z	5.061	4.7
12	MP1B	Mx	-.008	4.7
13	MP1C	X	2.066	1.21
14	MP1C	Z	3.578	1.21
15	MP1C	Mx	.003	1.21
16	MP1C	X	2.066	4.7
17	MP1C	Z	3.578	4.7
18	MP1C	Mx	.003	4.7
19	MP1A	X	3.778	1.21
20	MP1A	Z	6.543	1.21
21	MP1A	Mx	-.009	1.21
22	MP1A	X	3.778	4.7
23	MP1A	Z	6.543	4.7
24	MP1A	Mx	-.009	4.7
25	MP1B	X	2.922	1.21
26	MP1B	Z	5.061	1.21
27	MP1B	Mx	.000344	1.21
28	MP1B	X	2.922	4.7
29	MP1B	Z	5.061	4.7
30	MP1B	Mx	.000344	4.7
31	MP1C	X	2.066	1.21
32	MP1C	Z	3.578	1.21
33	MP1C	Mx	.005	1.21
34	MP1C	X	2.066	4.7
35	MP1C	Z	3.578	4.7
36	MP1C	Mx	.005	4.7
37	MP4A	X	2.286	1.21
38	MP4A	Z	3.96	1.21
39	MP4A	Mx	-.002	1.21
40	MP4A	X	2.286	4.7
41	MP4A	Z	3.96	4.7
42	MP4A	Mx	-.002	4.7
43	MP4B	X	3.895	1.21
44	MP4B	Z	6.747	1.21
45	MP4B	Mx	-.007	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
46	MP4B	X	3.895	4.7
47	MP4B	Z	6.747	4.7
48	MP4B	Mx	-.007	4.7
49	MP4C	X	2.584	1.21
50	MP4C	Z	4.475	1.21
51	MP4C	Mx	.007	1.21
52	MP4C	X	2.584	4.7
53	MP4C	Z	4.475	4.7
54	MP4C	Mx	.007	4.7
55	MP4A	X	2.286	1.21
56	MP4A	Z	3.96	1.21
57	MP4A	Mx	-.006	1.21
58	MP4A	X	2.286	4.7
59	MP4A	Z	3.96	4.7
60	MP4A	Mx	-.006	4.7
61	MP4B	X	3.895	1.21
62	MP4B	Z	6.747	1.21
63	MP4B	Mx	.008	1.21
64	MP4B	X	3.895	4.7
65	MP4B	Z	6.747	4.7
66	MP4B	Mx	.008	4.7
67	MP4C	X	2.584	1.21
68	MP4C	Z	4.475	1.21
69	MP4C	Mx	.000916	1.21
70	MP4C	X	2.584	4.7
71	MP4C	Z	4.475	4.7
72	MP4C	Mx	.000916	4.7
73	MP3A	X	.772	1
74	MP3A	Z	1.338	1
75	MP3A	Mx	-.000322	1
76	MP3B	X	.772	1
77	MP3B	Z	1.338	1
78	MP3B	Mx	-.000322	1
79	MP3C	X	.19	1
80	MP3C	Z	.328	1
81	MP3C	Mx	.000158	1
82	MP3A	X	1.78	2.5
83	MP3A	Z	3.083	2.5
84	MP3A	Mx	-.00089	2.5
85	MP3A	X	1.78	4.5
86	MP3A	Z	3.083	4.5
87	MP3A	Mx	-.00089	4.5
88	MP3B	X	1.78	2.5
89	MP3B	Z	3.083	2.5
90	MP3B	Mx	-.00089	2.5
91	MP3B	X	1.78	4.5
92	MP3B	Z	3.083	4.5
93	MP3B	Mx	-.00089	4.5
94	MP3C	X	.733	2.5
95	MP3C	Z	1.27	2.5
96	MP3C	Mx	.000733	2.5
97	MP3C	X	.733	4.5
98	MP3C	Z	1.27	4.5
99	MP3C	Mx	.000733	4.5
100	MP1A	X	1.494	2.25
101	MP1A	Z	2.587	2.25
102	MP1A	Mx	.002	2.25
103	MP1B	X	1.494	2.25
104	MP1B	Z	2.587	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
105	MP1B	Mx	-.000978	2.25
106	MP1C	X	.923	2.25
107	MP1C	Z	1.599	2.25
108	MP1C	Mx	-.000923	2.25
109	MP1A	X	1.646	2.25
110	MP1A	Z	2.852	2.25
111	MP1A	Mx	-.002	2.25
112	MP1B	X	1.407	2.25
113	MP1B	Z	2.436	2.25
114	MP1B	Mx	.002	2.25
115	MP1C	X	1.167	2.25
116	MP1C	Z	2.021	2.25
117	MP1C	Mx	-.000725	2.25
118	MP4A	X	1.494	2.25
119	MP4A	Z	2.587	2.25
120	MP4A	Mx	-.000978	2.25
121	MP4B	X	1.494	2.25
122	MP4B	Z	2.587	2.25
123	MP4B	Mx	.002	2.25
124	MP4C	X	.923	2.25
125	MP4C	Z	1.599	2.25
126	MP4C	Mx	-.000923	2.25
127	MP4A	X	1.545	2.25
128	MP4A	Z	2.676	2.25
129	MP4A	Mx	.003	2.25
130	MP4B	X	1.545	2.25
131	MP4B	Z	2.676	2.25
132	MP4B	Mx	-.001	2.25
133	MP4C	X	1.13	2.25
134	MP4C	Z	1.957	2.25
135	MP4C	Mx	-.001	2.25
136	MP1A	X	.992	5
137	MP1A	Z	1.719	5
138	MP1A	Mx	.000257	5
139	MP1B	X	.678	5
140	MP1B	Z	1.175	5
141	MP1B	Mx	.00048	5
142	MP1C	X	.364	5
143	MP1C	Z	.631	5
144	MP1C	Mx	-.000352	5
145	MP4A	X	.445	5
146	MP4A	Z	.771	5
147	MP4A	Mx	.000403	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	0	1.21
2	MP1A	Z	7.556	1.21
3	MP1A	Mx	.009	1.21
4	MP1A	X	0	4.7
5	MP1A	Z	7.556	4.7
6	MP1A	Mx	.009	4.7
7	MP1B	X	0	1.21
8	MP1B	Z	4.132	1.21
9	MP1B	Mx	-.005	1.21
10	MP1B	X	0	4.7
11	MP1B	Z	4.132	4.7
12	MP1B	Mx	-.005	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
13	MP1C	X	0	1.21
14	MP1C	Z	5.844	1.21
15	MP1C	Mx	-.000344	1.21
16	MP1C	X	0	4.7
17	MP1C	Z	5.844	4.7
18	MP1C	Mx	-.000344	4.7
19	MP1A	X	0	1.21
20	MP1A	Z	7.556	1.21
21	MP1A	Mx	-.006	1.21
22	MP1A	X	0	4.7
23	MP1A	Z	7.556	4.7
24	MP1A	Mx	-.006	4.7
25	MP1B	X	0	1.21
26	MP1B	Z	4.132	1.21
27	MP1B	Mx	-.003	1.21
28	MP1B	X	0	4.7
29	MP1B	Z	4.132	4.7
30	MP1B	Mx	-.003	4.7
31	MP1C	X	0	1.21
32	MP1C	Z	5.844	1.21
33	MP1C	Mx	.008	1.21
34	MP1C	X	0	4.7
35	MP1C	Z	5.844	4.7
36	MP1C	Mx	.008	4.7
37	MP4A	X	0	1.21
38	MP4A	Z	6.52	1.21
39	MP4A	Mx	.002	1.21
40	MP4A	X	0	4.7
41	MP4A	Z	6.52	4.7
42	MP4A	Mx	.002	4.7
43	MP4B	X	0	1.21
44	MP4B	Z	7.114	1.21
45	MP4B	Mx	-.009	1.21
46	MP4B	X	0	4.7
47	MP4B	Z	7.114	4.7
48	MP4B	Mx	-.009	4.7
49	MP4C	X	0	1.21
50	MP4C	Z	3.897	1.21
51	MP4C	Mx	.004	1.21
52	MP4C	X	0	4.7
53	MP4C	Z	3.897	4.7
54	MP4C	Mx	.004	4.7
55	MP4A	X	0	1.21
56	MP4A	Z	6.52	1.21
57	MP4A	Mx	-.009	1.21
58	MP4A	X	0	4.7
59	MP4A	Z	6.52	4.7
60	MP4A	Mx	-.009	4.7
61	MP4B	X	0	1.21
62	MP4B	Z	7.114	1.21
63	MP4B	Mx	.004	1.21
64	MP4B	X	0	4.7
65	MP4B	Z	7.114	4.7
66	MP4B	Mx	.004	4.7
67	MP4C	X	0	1.21
68	MP4C	Z	3.897	1.21
69	MP4C	Mx	.003	1.21
70	MP4C	X	0	4.7
71	MP4C	Z	3.897	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
72	MP4C	Mx	.003	4.7
73	MP3A	X	0	1
74	MP3A	Z	1.933	1
75	MP3A	Mx	0	1
76	MP3B	X	0	1
77	MP3B	Z	.768	1
78	MP3B	Mx	-.000277	1
79	MP3C	X	0	1
80	MP3C	Z	.768	1
81	MP3C	Mx	.000277	1
82	MP3A	X	0	2.5
83	MP3A	Z	4.258	2.5
84	MP3A	Mx	0	2.5
85	MP3A	X	0	4.5
86	MP3A	Z	4.258	4.5
87	MP3A	Mx	0	4.5
88	MP3B	X	0	2.5
89	MP3B	Z	2.164	2.5
90	MP3B	Mx	-.000937	2.5
91	MP3B	X	0	4.5
92	MP3B	Z	2.164	4.5
93	MP3B	Mx	-.000937	4.5
94	MP3C	X	0	2.5
95	MP3C	Z	2.164	2.5
96	MP3C	Mx	.000937	2.5
97	MP3C	X	0	4.5
98	MP3C	Z	2.164	4.5
99	MP3C	Mx	.000937	4.5
100	MP1A	X	0	2.25
101	MP1A	Z	3.367	2.25
102	MP1A	Mx	.002	2.25
103	MP1B	X	0	2.25
104	MP1B	Z	2.227	2.25
105	MP1B	Mx	.000222	2.25
106	MP1C	X	0	2.25
107	MP1C	Z	2.227	2.25
108	MP1C	Mx	-.002	2.25
109	MP1A	X	0	2.25
110	MP1A	Z	3.293	2.25
111	MP1A	Mx	-.003	2.25
112	MP1B	X	0	2.25
113	MP1B	Z	2.333	2.25
114	MP1B	Mx	.002	2.25
115	MP1C	X	0	2.25
116	MP1C	Z	2.813	2.25
117	MP1C	Mx	.000332	2.25
118	MP4A	X	0	2.25
119	MP4A	Z	3.367	2.25
120	MP4A	Mx	-.002	2.25
121	MP4B	X	0	2.25
122	MP4B	Z	2.227	2.25
123	MP4B	Mx	.002	2.25
124	MP4C	X	0	2.25
125	MP4C	Z	2.227	2.25
126	MP4C	Mx	-.000222	2.25
127	MP4A	X	0	2.25
128	MP4A	Z	3.367	2.25
129	MP4A	Mx	.002	2.25
130	MP4B	X	0	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
131	MP4B	Z	2.536	2.25
132	MP4B	Mx	.000253	2.25
133	MP4C	X	0	2.25
134	MP4C	Z	2.536	2.25
135	MP4C	Mx	-.002	2.25
136	MP1A	X	0	5
137	MP1A	Z	1.984	5
138	MP1A	Mx	-.000257	5
139	MP1B	X	0	5
140	MP1B	Z	.728	5
141	MP1B	Mx	.000352	5
142	MP1C	X	0	5
143	MP1C	Z	1.356	5
144	MP1C	Mx	-.000479	5
145	MP4A	X	0	5
146	MP4A	Z	1.604	5
147	MP4A	Mx	.00046	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP1A	X	-2.922	1.21
2	MP1A	Z	5.061	1.21
3	MP1A	Mx	.008	1.21
4	MP1A	X	-2.922	4.7
5	MP1A	Z	5.061	4.7
6	MP1A	Mx	.008	4.7
7	MP1B	X	-2.066	1.21
8	MP1B	Z	3.578	1.21
9	MP1B	Mx	-.003	1.21
10	MP1B	X	-2.066	4.7
11	MP1B	Z	3.578	4.7
12	MP1B	Mx	-.003	4.7
13	MP1C	X	-3.778	1.21
14	MP1C	Z	6.543	1.21
15	MP1C	Mx	-.006	1.21
16	MP1C	X	-3.778	4.7
17	MP1C	Z	6.543	4.7
18	MP1C	Mx	-.006	4.7
19	MP1A	X	-2.922	1.21
20	MP1A	Z	5.061	1.21
21	MP1A	Mx	-.000344	1.21
22	MP1A	X	-2.922	4.7
23	MP1A	Z	5.061	4.7
24	MP1A	Mx	-.000344	4.7
25	MP1B	X	-2.066	1.21
26	MP1B	Z	3.578	1.21
27	MP1B	Mx	-.005	1.21
28	MP1B	X	-2.066	4.7
29	MP1B	Z	3.578	4.7
30	MP1B	Mx	-.005	4.7
31	MP1C	X	-3.778	1.21
32	MP1C	Z	6.543	1.21
33	MP1C	Mx	.009	1.21
34	MP1C	X	-3.778	4.7
35	MP1C	Z	6.543	4.7
36	MP1C	Mx	.009	4.7
37	MP4A	X	-3.895	1.21
38	MP4A	Z	6.747	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
39	MP4A	Mx	.007	1.21
40	MP4A	X	-3.895	4.7
41	MP4A	Z	6.747	4.7
42	MP4A	Mx	.007	4.7
43	MP4B	X	-2.584	1.21
44	MP4B	Z	4.475	1.21
45	MP4B	Mx	-.007	1.21
46	MP4B	X	-2.584	4.7
47	MP4B	Z	4.475	4.7
48	MP4B	Mx	-.007	4.7
49	MP4C	X	-2.286	1.21
50	MP4C	Z	3.96	1.21
51	MP4C	Mx	.002	1.21
52	MP4C	X	-2.286	4.7
53	MP4C	Z	3.96	4.7
54	MP4C	Mx	.002	4.7
55	MP4A	X	-3.895	1.21
56	MP4A	Z	6.747	1.21
57	MP4A	Mx	-.008	1.21
58	MP4A	X	-3.895	4.7
59	MP4A	Z	6.747	4.7
60	MP4A	Mx	-.008	4.7
61	MP4B	X	-2.584	1.21
62	MP4B	Z	4.475	1.21
63	MP4B	Mx	-.000917	1.21
64	MP4B	X	-2.584	4.7
65	MP4B	Z	4.475	4.7
66	MP4B	Mx	-.000917	4.7
67	MP4C	X	-2.286	1.21
68	MP4C	Z	3.96	1.21
69	MP4C	Mx	.006	1.21
70	MP4C	X	-2.286	4.7
71	MP4C	Z	3.96	4.7
72	MP4C	Mx	.006	4.7
73	MP3A	X	-.772	1
74	MP3A	Z	1.338	1
75	MP3A	Mx	.000322	1
76	MP3B	X	-.19	1
77	MP3B	Z	.328	1
78	MP3B	Mx	-.000158	1
79	MP3C	X	-.772	1
80	MP3C	Z	1.338	1
81	MP3C	Mx	.000322	1
82	MP3A	X	-1.78	2.5
83	MP3A	Z	3.083	2.5
84	MP3A	Mx	.00089	2.5
85	MP3A	X	-1.78	4.5
86	MP3A	Z	3.083	4.5
87	MP3A	Mx	.00089	4.5
88	MP3B	X	-.733	2.5
89	MP3B	Z	1.27	2.5
90	MP3B	Mx	-.000733	2.5
91	MP3B	X	-.733	4.5
92	MP3B	Z	1.27	4.5
93	MP3B	Mx	-.000733	4.5
94	MP3C	X	-1.78	2.5
95	MP3C	Z	3.083	2.5
96	MP3C	Mx	.00089	2.5
97	MP3C	X	-1.78	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
98	MP3C	Z	3.083	4.5
99	MP3C	Mx	.00089	4.5
100	MP1A	X	-1.494	2.25
101	MP1A	Z	2.587	2.25
102	MP1A	Mx	.000978	2.25
103	MP1B	X	-.923	2.25
104	MP1B	Z	1.599	2.25
105	MP1B	Mx	.000923	2.25
106	MP1C	X	-1.494	2.25
107	MP1C	Z	2.587	2.25
108	MP1C	Mx	-.002	2.25
109	MP1A	X	-1.407	2.25
110	MP1A	Z	2.436	2.25
111	MP1A	Mx	-.002	2.25
112	MP1B	X	-1.167	2.25
113	MP1B	Z	2.021	2.25
114	MP1B	Mx	.000724	2.25
115	MP1C	X	-1.646	2.25
116	MP1C	Z	2.852	2.25
117	MP1C	Mx	.002	2.25
118	MP4A	X	-1.494	2.25
119	MP4A	Z	2.587	2.25
120	MP4A	Mx	-.002	2.25
121	MP4B	X	-.923	2.25
122	MP4B	Z	1.599	2.25
123	MP4B	Mx	.000923	2.25
124	MP4C	X	-1.494	2.25
125	MP4C	Z	2.587	2.25
126	MP4C	Mx	.000978	2.25
127	MP4A	X	-1.545	2.25
128	MP4A	Z	2.676	2.25
129	MP4A	Mx	.001	2.25
130	MP4B	X	-1.13	2.25
131	MP4B	Z	1.957	2.25
132	MP4B	Mx	.001	2.25
133	MP4C	X	-1.545	2.25
134	MP4C	Z	2.676	2.25
135	MP4C	Mx	-.003	2.25
136	MP1A	X	-.678	5
137	MP1A	Z	1.175	5
138	MP1A	Mx	-.00048	5
139	MP1B	X	-.364	5
140	MP1B	Z	.631	5
141	MP1B	Mx	.000352	5
142	MP1C	X	-.992	5
143	MP1C	Z	1.719	5
144	MP1C	Mx	-.000257	5
145	MP4A	X	-1.035	5
146	MP4A	Z	1.793	5
147	MP4A	Mx	9e-5	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	-3.578	1.21
2	MP1A	Z	2.066	1.21
3	MP1A	Mx	.005	1.21
4	MP1A	X	-3.578	4.7
5	MP1A	Z	2.066	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
6	MP1A	Mx	.005	4.7
7	MP1B	X	-5.061	1.21
8	MP1B	Z	2.922	1.21
9	MP1B	Mx	.000344	1.21
10	MP1B	X	-5.061	4.7
11	MP1B	Z	2.922	4.7
12	MP1B	Mx	.000344	4.7
13	MP1C	X	-6.543	1.21
14	MP1C	Z	3.778	1.21
15	MP1C	Mx	-.009	1.21
16	MP1C	X	-6.543	4.7
17	MP1C	Z	3.778	4.7
18	MP1C	Mx	-.009	4.7
19	MP1A	X	-3.578	1.21
20	MP1A	Z	2.066	1.21
21	MP1A	Mx	.003	1.21
22	MP1A	X	-3.578	4.7
23	MP1A	Z	2.066	4.7
24	MP1A	Mx	.003	4.7
25	MP1B	X	-5.061	1.21
26	MP1B	Z	2.922	1.21
27	MP1B	Mx	-.008	1.21
28	MP1B	X	-5.061	4.7
29	MP1B	Z	2.922	4.7
30	MP1B	Mx	-.008	4.7
31	MP1C	X	-6.543	1.21
32	MP1C	Z	3.778	1.21
33	MP1C	Mx	.006	1.21
34	MP1C	X	-6.543	4.7
35	MP1C	Z	3.778	4.7
36	MP1C	Mx	.006	4.7
37	MP4A	X	-6.161	1.21
38	MP4A	Z	3.557	1.21
39	MP4A	Mx	.009	1.21
40	MP4A	X	-6.161	4.7
41	MP4A	Z	3.557	4.7
42	MP4A	Mx	.009	4.7
43	MP4B	X	-3.375	1.21
44	MP4B	Z	1.948	1.21
45	MP4B	Mx	-.004	1.21
46	MP4B	X	-3.375	4.7
47	MP4B	Z	1.948	4.7
48	MP4B	Mx	-.004	4.7
49	MP4C	X	-5.646	1.21
50	MP4C	Z	3.26	1.21
51	MP4C	Mx	-.002	1.21
52	MP4C	X	-5.646	4.7
53	MP4C	Z	3.26	4.7
54	MP4C	Mx	-.002	4.7
55	MP4A	X	-6.161	1.21
56	MP4A	Z	3.557	1.21
57	MP4A	Mx	-.004	1.21
58	MP4A	X	-6.161	4.7
59	MP4A	Z	3.557	4.7
60	MP4A	Mx	-.004	4.7
61	MP4B	X	-3.375	1.21
62	MP4B	Z	1.948	1.21
63	MP4B	Mx	-.003	1.21
64	MP4B	X	-3.375	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
65	MP4B	Z	1.948	4.7
66	MP4B	Mx	-.003	4.7
67	MP4C	X	-5.646	1.21
68	MP4C	Z	3.26	1.21
69	MP4C	Mx	.009	1.21
70	MP4C	X	-5.646	4.7
71	MP4C	Z	3.26	4.7
72	MP4C	Mx	.009	4.7
73	MP3A	X	-.665	1
74	MP3A	Z	.384	1
75	MP3A	Mx	.000277	1
76	MP3B	X	-.665	1
77	MP3B	Z	.384	1
78	MP3B	Mx	-.000277	1
79	MP3C	X	-1.674	1
80	MP3C	Z	.967	1
81	MP3C	Mx	0	1
82	MP3A	X	-1.874	2.5
83	MP3A	Z	1.082	2.5
84	MP3A	Mx	.000937	2.5
85	MP3A	X	-1.874	4.5
86	MP3A	Z	1.082	4.5
87	MP3A	Mx	.000937	4.5
88	MP3B	X	-1.874	2.5
89	MP3B	Z	1.082	2.5
90	MP3B	Mx	-.000937	2.5
91	MP3B	X	-1.874	4.5
92	MP3B	Z	1.082	4.5
93	MP3B	Mx	-.000937	4.5
94	MP3C	X	-3.687	2.5
95	MP3C	Z	2.129	2.5
96	MP3C	Mx	0	2.5
97	MP3C	X	-3.687	4.5
98	MP3C	Z	2.129	4.5
99	MP3C	Mx	0	4.5
100	MP1A	X	-1.928	2.25
101	MP1A	Z	1.113	2.25
102	MP1A	Mx	-.000222	2.25
103	MP1B	X	-1.928	2.25
104	MP1B	Z	1.113	2.25
105	MP1B	Mx	.002	2.25
106	MP1C	X	-2.916	2.25
107	MP1C	Z	1.684	2.25
108	MP1C	Mx	-.002	2.25
109	MP1A	X	-2.021	2.25
110	MP1A	Z	1.167	2.25
111	MP1A	Mx	-.002	2.25
112	MP1B	X	-2.436	2.25
113	MP1B	Z	1.407	2.25
114	MP1B	Mx	-.000331	2.25
115	MP1C	X	-2.852	2.25
116	MP1C	Z	1.646	2.25
117	MP1C	Mx	.003	2.25
118	MP4A	X	-1.928	2.25
119	MP4A	Z	1.113	2.25
120	MP4A	Mx	-.002	2.25
121	MP4B	X	-1.928	2.25
122	MP4B	Z	1.113	2.25
123	MP4B	Mx	.000222	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
124	MP4C	X	-2.916	2.25
125	MP4C	Z	1.684	2.25
126	MP4C	Mx	.002	2.25
127	MP4A	X	-2.196	2.25
128	MP4A	Z	1.268	2.25
129	MP4A	Mx	-.000253	2.25
130	MP4B	X	-2.196	2.25
131	MP4B	Z	1.268	2.25
132	MP4B	Mx	.002	2.25
133	MP4C	X	-2.916	2.25
134	MP4C	Z	1.684	2.25
135	MP4C	Mx	-.002	2.25
136	MP1A	X	-.631	5
137	MP1A	Z	.364	5
138	MP1A	Mx	-.000352	5
139	MP1B	X	-1.175	5
140	MP1B	Z	.678	5
141	MP1B	Mx	.00048	5
142	MP1C	X	-1.719	5
143	MP1C	Z	.992	5
144	MP1C	Mx	.000257	5
145	MP4A	X	-1.578	5
146	MP4A	Z	.911	5
147	MP4A	Mx	-.000385	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-4.132	1.21
2	MP1A	Z	0	1.21
3	MP1A	Mx	.003	1.21
4	MP1A	X	-4.132	4.7
5	MP1A	Z	0	4.7
6	MP1A	Mx	.003	4.7
7	MP1B	X	-7.556	1.21
8	MP1B	Z	0	1.21
9	MP1B	Mx	.006	1.21
10	MP1B	X	-7.556	4.7
11	MP1B	Z	0	4.7
12	MP1B	Mx	.006	4.7
13	MP1C	X	-5.844	1.21
14	MP1C	Z	0	1.21
15	MP1C	Mx	-.008	1.21
16	MP1C	X	-5.844	4.7
17	MP1C	Z	0	4.7
18	MP1C	Mx	-.008	4.7
19	MP1A	X	-4.132	1.21
20	MP1A	Z	0	1.21
21	MP1A	Mx	.005	1.21
22	MP1A	X	-4.132	4.7
23	MP1A	Z	0	4.7
24	MP1A	Mx	.005	4.7
25	MP1B	X	-7.556	1.21
26	MP1B	Z	0	1.21
27	MP1B	Mx	-.009	1.21
28	MP1B	X	-7.556	4.7
29	MP1B	Z	0	4.7
30	MP1B	Mx	-.009	4.7
31	MP1C	X	-5.844	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
32	MP1C	Z	0	1.21
33	MP1C	Mx	.000344	1.21
34	MP1C	X	-5.844	4.7
35	MP1C	Z	0	4.7
36	MP1C	Mx	.000344	4.7
37	MP4A	X	-5.168	1.21
38	MP4A	Z	0	1.21
39	MP4A	Mx	.007	1.21
40	MP4A	X	-5.168	4.7
41	MP4A	Z	0	4.7
42	MP4A	Mx	.007	4.7
43	MP4B	X	-4.573	1.21
44	MP4B	Z	0	1.21
45	MP4B	Mx	-.002	1.21
46	MP4B	X	-4.573	4.7
47	MP4B	Z	0	4.7
48	MP4B	Mx	-.002	4.7
49	MP4C	X	-7.791	1.21
50	MP4C	Z	0	1.21
51	MP4C	Mx	-.007	1.21
52	MP4C	X	-7.791	4.7
53	MP4C	Z	0	4.7
54	MP4C	Mx	-.007	4.7
55	MP4A	X	-5.168	1.21
56	MP4A	Z	0	1.21
57	MP4A	Mx	.000916	1.21
58	MP4A	X	-5.168	4.7
59	MP4A	Z	0	4.7
60	MP4A	Mx	.000916	4.7
61	MP4B	X	-4.573	1.21
62	MP4B	Z	0	1.21
63	MP4B	Mx	-.006	1.21
64	MP4B	X	-4.573	4.7
65	MP4B	Z	0	4.7
66	MP4B	Mx	-.006	4.7
67	MP4C	X	-7.791	1.21
68	MP4C	Z	0	1.21
69	MP4C	Mx	.008	1.21
70	MP4C	X	-7.791	4.7
71	MP4C	Z	0	4.7
72	MP4C	Mx	.008	4.7
73	MP3A	X	-3.379	1
74	MP3A	Z	0	1
75	MP3A	Mx	.000158	1
76	MP3B	X	-1.545	1
77	MP3B	Z	0	1
78	MP3B	Mx	-.000322	1
79	MP3C	X	-1.545	1
80	MP3C	Z	0	1
81	MP3C	Mx	-.000322	1
82	MP3A	X	-1.466	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	.000733	2.5
85	MP3A	X	-1.466	4.5
86	MP3A	Z	0	4.5
87	MP3A	Mx	.000733	4.5
88	MP3B	X	-3.56	2.5
89	MP3B	Z	0	2.5
90	MP3B	Mx	-.00089	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
91	MP3B	X	-3.56	4.5
92	MP3B	Z	0	4.5
93	MP3B	Mx	-.00089	4.5
94	MP3C	X	-3.56	2.5
95	MP3C	Z	0	2.5
96	MP3C	Mx	-.00089	2.5
97	MP3C	X	-3.56	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	-.00089	4.5
100	MP1A	X	-1.847	2.25
101	MP1A	Z	0	2.25
102	MP1A	Mx	-.000924	2.25
103	MP1B	X	-2.987	2.25
104	MP1B	Z	0	2.25
105	MP1B	Mx	.002	2.25
106	MP1C	X	-2.987	2.25
107	MP1C	Z	0	2.25
108	MP1C	Mx	-.000978	2.25
109	MP1A	X	-2.333	2.25
110	MP1A	Z	0	2.25
111	MP1A	Mx	-.000724	2.25
112	MP1B	X	-3.293	2.25
113	MP1B	Z	0	2.25
114	MP1B	Mx	-.002	2.25
115	MP1C	X	-2.813	2.25
116	MP1C	Z	0	2.25
117	MP1C	Mx	.002	2.25
118	MP4A	X	-1.847	2.25
119	MP4A	Z	0	2.25
120	MP4A	Mx	-.000924	2.25
121	MP4B	X	-2.987	2.25
122	MP4B	Z	0	2.25
123	MP4B	Mx	-.000978	2.25
124	MP4C	X	-2.987	2.25
125	MP4C	Z	0	2.25
126	MP4C	Mx	.002	2.25
127	MP4A	X	-2.259	2.25
128	MP4A	Z	0	2.25
129	MP4A	Mx	-.001	2.25
130	MP4B	X	-3.09	2.25
131	MP4B	Z	0	2.25
132	MP4B	Mx	.003	2.25
133	MP4C	X	-3.09	2.25
134	MP4C	Z	0	2.25
135	MP4C	Mx	-.001	2.25
136	MP1A	X	-.728	5
137	MP1A	Z	0	5
138	MP1A	Mx	-.000352	5
139	MP1B	X	-1.984	5
140	MP1B	Z	0	5
141	MP1B	Mx	.000257	5
142	MP1C	X	-1.356	5
143	MP1C	Z	0	5
144	MP1C	Mx	.000479	5
145	MP4A	X	-1.108	5
146	MP4A	Z	0	5
147	MP4A	Mx	-.000454	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-5.061	1.21
2	MP1A	Z	-2.922	1.21
3	MP1A	Mx	-.000344	1.21
4	MP1A	X	-5.061	4.7
5	MP1A	Z	-2.922	4.7
6	MP1A	Mx	-.000344	4.7
7	MP1B	X	-6.543	1.21
8	MP1B	Z	-3.778	1.21
9	MP1B	Mx	.009	1.21
10	MP1B	X	-6.543	4.7
11	MP1B	Z	-3.778	4.7
12	MP1B	Mx	.009	4.7
13	MP1C	X	-3.578	1.21
14	MP1C	Z	-2.066	1.21
15	MP1C	Mx	-.005	1.21
16	MP1C	X	-3.578	4.7
17	MP1C	Z	-2.066	4.7
18	MP1C	Mx	-.005	4.7
19	MP1A	X	-5.061	1.21
20	MP1A	Z	-2.922	1.21
21	MP1A	Mx	.008	1.21
22	MP1A	X	-5.061	4.7
23	MP1A	Z	-2.922	4.7
24	MP1A	Mx	.008	4.7
25	MP1B	X	-6.543	1.21
26	MP1B	Z	-3.778	1.21
27	MP1B	Mx	-.006	1.21
28	MP1B	X	-6.543	4.7
29	MP1B	Z	-3.778	4.7
30	MP1B	Mx	-.006	4.7
31	MP1C	X	-3.578	1.21
32	MP1C	Z	-2.066	1.21
33	MP1C	Mx	-.003	1.21
34	MP1C	X	-3.578	4.7
35	MP1C	Z	-2.066	4.7
36	MP1C	Mx	-.003	4.7
37	MP4A	X	-3.375	1.21
38	MP4A	Z	-1.948	1.21
39	MP4A	Mx	.004	1.21
40	MP4A	X	-3.375	4.7
41	MP4A	Z	-1.948	4.7
42	MP4A	Mx	.004	4.7
43	MP4B	X	-5.646	1.21
44	MP4B	Z	-3.26	1.21
45	MP4B	Mx	.002	1.21
46	MP4B	X	-5.646	4.7
47	MP4B	Z	-3.26	4.7
48	MP4B	Mx	.002	4.7
49	MP4C	X	-6.161	1.21
50	MP4C	Z	-3.557	1.21
51	MP4C	Mx	-.009	1.21
52	MP4C	X	-6.161	4.7
53	MP4C	Z	-3.557	4.7
54	MP4C	Mx	-.009	4.7
55	MP4A	X	-3.375	1.21
56	MP4A	Z	-1.948	1.21
57	MP4A	Mx	.003	1.21
58	MP4A	X	-3.375	4.7
59	MP4A	Z	-1.948	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
60	MP4A	Mx	.003	4.7
61	MP4B	X	-5.646	1.21
62	MP4B	Z	-3.26	1.21
63	MP4B	Mx	-.009	1.21
64	MP4B	X	-5.646	4.7
65	MP4B	Z	-3.26	4.7
66	MP4B	Mx	-.009	4.7
67	MP4C	X	-6.161	1.21
68	MP4C	Z	-3.557	1.21
69	MP4C	Mx	.004	1.21
70	MP4C	X	-6.161	4.7
71	MP4C	Z	-3.557	4.7
72	MP4C	Mx	.004	4.7
73	MP3A	X	-.665	1
74	MP3A	Z	-.384	1
75	MP3A	Mx	.000277	1
76	MP3B	X	-1.674	1
77	MP3B	Z	-.967	1
78	MP3B	Mx	0	1
79	MP3C	X	-.665	1
80	MP3C	Z	-.384	1
81	MP3C	Mx	-.000277	1
82	MP3A	X	-1.874	2.5
83	MP3A	Z	-1.082	2.5
84	MP3A	Mx	.000937	2.5
85	MP3A	X	-1.874	4.5
86	MP3A	Z	-1.082	4.5
87	MP3A	Mx	.000937	4.5
88	MP3B	X	-3.687	2.5
89	MP3B	Z	-2.129	2.5
90	MP3B	Mx	0	2.5
91	MP3B	X	-3.687	4.5
92	MP3B	Z	-2.129	4.5
93	MP3B	Mx	0	4.5
94	MP3C	X	-1.874	2.5
95	MP3C	Z	-1.082	2.5
96	MP3C	Mx	-.000937	2.5
97	MP3C	X	-1.874	4.5
98	MP3C	Z	-1.082	4.5
99	MP3C	Mx	-.000937	4.5
100	MP1A	X	-1.928	2.25
101	MP1A	Z	-1.113	2.25
102	MP1A	Mx	-.002	2.25
103	MP1B	X	-2.916	2.25
104	MP1B	Z	-1.684	2.25
105	MP1B	Mx	.002	2.25
106	MP1C	X	-1.928	2.25
107	MP1C	Z	-1.113	2.25
108	MP1C	Mx	.000222	2.25
109	MP1A	X	-2.436	2.25
110	MP1A	Z	-1.407	2.25
111	MP1A	Mx	.000332	2.25
112	MP1B	X	-2.852	2.25
113	MP1B	Z	-1.646	2.25
114	MP1B	Mx	-.003	2.25
115	MP1C	X	-2.021	2.25
116	MP1C	Z	-1.167	2.25
117	MP1C	Mx	.002	2.25
118	MP4A	X	-1.928	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
119	MP4A	Z	-1.113	2.25
120	MP4A	Mx	-.000222	2.25
121	MP4B	X	-2.916	2.25
122	MP4B	Z	-1.684	2.25
123	MP4B	Mx	-.002	2.25
124	MP4C	X	-1.928	2.25
125	MP4C	Z	-1.113	2.25
126	MP4C	Mx	.002	2.25
127	MP4A	X	-2.196	2.25
128	MP4A	Z	-1.268	2.25
129	MP4A	Mx	-.002	2.25
130	MP4B	X	-2.916	2.25
131	MP4B	Z	-1.684	2.25
132	MP4B	Mx	.002	2.25
133	MP4C	X	-2.196	2.25
134	MP4C	Z	-1.268	2.25
135	MP4C	Mx	.000253	2.25
136	MP1A	X	-1.175	5
137	MP1A	Z	-.678	5
138	MP1A	Mx	-.00048	5
139	MP1B	X	-1.719	5
140	MP1B	Z	-.992	5
141	MP1B	Mx	-.000257	5
142	MP1C	X	-.631	5
143	MP1C	Z	-.364	5
144	MP1C	Mx	.000352	5
145	MP4A	X	-.556	5
146	MP4A	Z	-.321	5
147	MP4A	Mx	-.00032	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-3.778	1.21
2	MP1A	Z	-6.543	1.21
3	MP1A	Mx	-.006	1.21
4	MP1A	X	-3.778	4.7
5	MP1A	Z	-6.543	4.7
6	MP1A	Mx	-.006	4.7
7	MP1B	X	-2.922	1.21
8	MP1B	Z	-5.061	1.21
9	MP1B	Mx	.008	1.21
10	MP1B	X	-2.922	4.7
11	MP1B	Z	-5.061	4.7
12	MP1B	Mx	.008	4.7
13	MP1C	X	-2.066	1.21
14	MP1C	Z	-3.578	1.21
15	MP1C	Mx	-.003	1.21
16	MP1C	X	-2.066	4.7
17	MP1C	Z	-3.578	4.7
18	MP1C	Mx	-.003	4.7
19	MP1A	X	-3.778	1.21
20	MP1A	Z	-6.543	1.21
21	MP1A	Mx	.009	1.21
22	MP1A	X	-3.778	4.7
23	MP1A	Z	-6.543	4.7
24	MP1A	Mx	.009	4.7
25	MP1B	X	-2.922	1.21
26	MP1B	Z	-5.061	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
27	MP1B	Mx	-.000344	1.21
28	MP1B	X	-2.922	4.7
29	MP1B	Z	-5.061	4.7
30	MP1B	Mx	-.000344	4.7
31	MP1C	X	-2.066	1.21
32	MP1C	Z	-3.578	1.21
33	MP1C	Mx	-.005	1.21
34	MP1C	X	-2.066	4.7
35	MP1C	Z	-3.578	4.7
36	MP1C	Mx	-.005	4.7
37	MP4A	X	-2.286	1.21
38	MP4A	Z	-3.96	1.21
39	MP4A	Mx	.002	1.21
40	MP4A	X	-2.286	4.7
41	MP4A	Z	-3.96	4.7
42	MP4A	Mx	.002	4.7
43	MP4B	X	-3.895	1.21
44	MP4B	Z	-6.747	1.21
45	MP4B	Mx	.007	1.21
46	MP4B	X	-3.895	4.7
47	MP4B	Z	-6.747	4.7
48	MP4B	Mx	.007	4.7
49	MP4C	X	-2.584	1.21
50	MP4C	Z	-4.475	1.21
51	MP4C	Mx	-.007	1.21
52	MP4C	X	-2.584	4.7
53	MP4C	Z	-4.475	4.7
54	MP4C	Mx	-.007	4.7
55	MP4A	X	-2.286	1.21
56	MP4A	Z	-3.96	1.21
57	MP4A	Mx	.006	1.21
58	MP4A	X	-2.286	4.7
59	MP4A	Z	-3.96	4.7
60	MP4A	Mx	.006	4.7
61	MP4B	X	-3.895	1.21
62	MP4B	Z	-6.747	1.21
63	MP4B	Mx	-.008	1.21
64	MP4B	X	-3.895	4.7
65	MP4B	Z	-6.747	4.7
66	MP4B	Mx	-.008	4.7
67	MP4C	X	-2.584	1.21
68	MP4C	Z	-4.475	1.21
69	MP4C	Mx	-.000916	1.21
70	MP4C	X	-2.584	4.7
71	MP4C	Z	-4.475	4.7
72	MP4C	Mx	-.000916	4.7
73	MP3A	X	-.772	1
74	MP3A	Z	-1.338	1
75	MP3A	Mx	.000322	1
76	MP3B	X	-.772	1
77	MP3B	Z	-1.338	1
78	MP3B	Mx	.000322	1
79	MP3C	X	-.19	1
80	MP3C	Z	-.328	1
81	MP3C	Mx	-.000158	1
82	MP3A	X	-1.78	2.5
83	MP3A	Z	-3.083	2.5
84	MP3A	Mx	.00089	2.5
85	MP3A	X	-1.78	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
86	MP3A	Z	-3.083	4.5
87	MP3A	Mx	.00089	4.5
88	MP3B	X	-1.78	2.5
89	MP3B	Z	-3.083	2.5
90	MP3B	Mx	.00089	2.5
91	MP3B	X	-1.78	4.5
92	MP3B	Z	-3.083	4.5
93	MP3B	Mx	.00089	4.5
94	MP3C	X	-.733	2.5
95	MP3C	Z	-1.27	2.5
96	MP3C	Mx	-.000733	2.5
97	MP3C	X	-.733	4.5
98	MP3C	Z	-1.27	4.5
99	MP3C	Mx	-.000733	4.5
100	MP1A	X	-1.494	2.25
101	MP1A	Z	-2.587	2.25
102	MP1A	Mx	-.002	2.25
103	MP1B	X	-1.494	2.25
104	MP1B	Z	-2.587	2.25
105	MP1B	Mx	.000978	2.25
106	MP1C	X	-.923	2.25
107	MP1C	Z	-1.599	2.25
108	MP1C	Mx	.000923	2.25
109	MP1A	X	-1.646	2.25
110	MP1A	Z	-2.852	2.25
111	MP1A	Mx	.002	2.25
112	MP1B	X	-1.407	2.25
113	MP1B	Z	-2.436	2.25
114	MP1B	Mx	-.002	2.25
115	MP1C	X	-1.167	2.25
116	MP1C	Z	-2.021	2.25
117	MP1C	Mx	.000725	2.25
118	MP4A	X	-1.494	2.25
119	MP4A	Z	-2.587	2.25
120	MP4A	Mx	.000978	2.25
121	MP4B	X	-1.494	2.25
122	MP4B	Z	-2.587	2.25
123	MP4B	Mx	-.002	2.25
124	MP4C	X	-.923	2.25
125	MP4C	Z	-1.599	2.25
126	MP4C	Mx	.000923	2.25
127	MP4A	X	-1.545	2.25
128	MP4A	Z	-2.676	2.25
129	MP4A	Mx	-.003	2.25
130	MP4B	X	-1.545	2.25
131	MP4B	Z	-2.676	2.25
132	MP4B	Mx	.001	2.25
133	MP4C	X	-1.13	2.25
134	MP4C	Z	-1.957	2.25
135	MP4C	Mx	.001	2.25
136	MP1A	X	-.992	5
137	MP1A	Z	-1.719	5
138	MP1A	Mx	-.000257	5
139	MP1B	X	-.678	5
140	MP1B	Z	-1.175	5
141	MP1B	Mx	-.00048	5
142	MP1C	X	-.364	5
143	MP1C	Z	-.631	5
144	MP1C	Mx	.000352	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
145	MP4A	X	-.445	5
146	MP4A	Z	-.771	5
147	MP4A	Mx	-.000403	5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M21	Y	-500	%76

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M27	Y	-500	%93

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M24	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M21	Y	-250	0

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	0	1.21
2	MP1A	My	0	1.21
3	MP1A	Mz	0	1.21
4	MP1A	Y	0	4.7
5	MP1A	My	0	4.7
6	MP1A	Mz	0	4.7
7	MP1B	Y	0	1.21
8	MP1B	My	0	1.21
9	MP1B	Mz	0	1.21
10	MP1B	Y	0	4.7
11	MP1B	My	0	4.7
12	MP1B	Mz	0	4.7
13	MP1C	Y	0	1.21
14	MP1C	My	0	1.21
15	MP1C	Mz	0	1.21
16	MP1C	Y	0	4.7
17	MP1C	My	0	4.7
18	MP1C	Mz	0	4.7
19	MP1A	Y	0	1.21
20	MP1A	My	0	1.21
21	MP1A	Mz	0	1.21
22	MP1A	Y	0	4.7
23	MP1A	My	0	4.7
24	MP1A	Mz	0	4.7
25	MP1B	Y	0	1.21
26	MP1B	My	0	1.21
27	MP1B	Mz	0	1.21
28	MP1B	Y	0	4.7
29	MP1B	My	0	4.7
30	MP1B	Mz	0	4.7
31	MP1C	Y	0	1.21
32	MP1C	My	0	1.21
33	MP1C	Mz	0	1.21
34	MP1C	Y	0	4.7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
35	MP1C	My	0	4.7
36	MP1C	Mz	0	4.7
37	MP4A	Y	0	1.21
38	MP4A	My	0	1.21
39	MP4A	Mz	0	1.21
40	MP4A	Y	0	4.7
41	MP4A	My	0	4.7
42	MP4A	Mz	0	4.7
43	MP4B	Y	0	1.21
44	MP4B	My	0	1.21
45	MP4B	Mz	0	1.21
46	MP4B	Y	0	4.7
47	MP4B	My	0	4.7
48	MP4B	Mz	0	4.7
49	MP4C	Y	0	1.21
50	MP4C	My	0	1.21
51	MP4C	Mz	0	1.21
52	MP4C	Y	0	4.7
53	MP4C	My	0	4.7
54	MP4C	Mz	0	4.7
55	MP4A	Y	0	1.21
56	MP4A	My	0	1.21
57	MP4A	Mz	0	1.21
58	MP4A	Y	0	4.7
59	MP4A	My	0	4.7
60	MP4A	Mz	0	4.7
61	MP4B	Y	0	1.21
62	MP4B	My	0	1.21
63	MP4B	Mz	0	1.21
64	MP4B	Y	0	4.7
65	MP4B	My	0	4.7
66	MP4B	Mz	0	4.7
67	MP4C	Y	0	1.21
68	MP4C	My	0	1.21
69	MP4C	Mz	0	1.21
70	MP4C	Y	0	4.7
71	MP4C	My	0	4.7
72	MP4C	Mz	0	4.7
73	MP3A	Y	0	1
74	MP3A	My	0	1
75	MP3A	Mz	0	1
76	MP3B	Y	0	1
77	MP3B	My	0	1
78	MP3B	Mz	0	1
79	MP3C	Y	0	1
80	MP3C	My	0	1
81	MP3C	Mz	0	1
82	MP3A	Y	0	2.5
83	MP3A	My	0	2.5
84	MP3A	Mz	0	2.5
85	MP3A	Y	0	4.5
86	MP3A	My	0	4.5
87	MP3A	Mz	0	4.5
88	MP3B	Y	0	2.5
89	MP3B	My	0	2.5
90	MP3B	Mz	0	2.5
91	MP3B	Y	0	4.5
92	MP3B	My	0	4.5
93	MP3B	Mz	0	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
94	MP3C	Y	0	2.5
95	MP3C	My	0	2.5
96	MP3C	Mz	0	2.5
97	MP3C	Y	0	4.5
98	MP3C	My	0	4.5
99	MP3C	Mz	0	4.5
100	MP1A	Y	0	2.25
101	MP1A	My	0	2.25
102	MP1A	Mz	0	2.25
103	MP1B	Y	0	2.25
104	MP1B	My	0	2.25
105	MP1B	Mz	0	2.25
106	MP1C	Y	0	2.25
107	MP1C	My	0	2.25
108	MP1C	Mz	0	2.25
109	MP1A	Y	0	2.25
110	MP1A	My	0	2.25
111	MP1A	Mz	0	2.25
112	MP1B	Y	0	2.25
113	MP1B	My	0	2.25
114	MP1B	Mz	0	2.25
115	MP1C	Y	0	2.25
116	MP1C	My	0	2.25
117	MP1C	Mz	0	2.25
118	MP4A	Y	0	2.25
119	MP4A	My	0	2.25
120	MP4A	Mz	0	2.25
121	MP4B	Y	0	2.25
122	MP4B	My	0	2.25
123	MP4B	Mz	0	2.25
124	MP4C	Y	0	2.25
125	MP4C	My	0	2.25
126	MP4C	Mz	0	2.25
127	MP4A	Y	0	2.25
128	MP4A	My	0	2.25
129	MP4A	Mz	0	2.25
130	MP4B	Y	0	2.25
131	MP4B	My	0	2.25
132	MP4B	Mz	0	2.25
133	MP4C	Y	0	2.25
134	MP4C	My	0	2.25
135	MP4C	Mz	0	2.25
136	MP1A	Y	0	5
137	MP1A	My	0	5
138	MP1A	Mz	0	5
139	MP1B	Y	0	5
140	MP1B	My	0	5
141	MP1B	Mz	0	5
142	MP1C	Y	0	5
143	MP1C	My	0	5
144	MP1C	Mz	0	5
145	MP4A	Y	0	5
146	MP4A	My	0	5
147	MP4A	Mz	0	5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	Z	-1.305	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
2	MP1A	Mx	-.002	1.21
3	MP1A	Z	-1.305	4.7
4	MP1A	Mx	-.002	4.7
5	MP1B	Z	-1.305	1.21
6	MP1B	Mx	.001	1.21
7	MP1B	Z	-1.305	4.7
8	MP1B	Mx	.001	4.7
9	MP1C	Z	-1.305	1.21
10	MP1C	Mx	7.7e-5	1.21
11	MP1C	Z	-1.305	4.7
12	MP1C	Mx	7.7e-5	4.7
13	MP1A	Z	-1.305	1.21
14	MP1A	Mx	.000951	1.21
15	MP1A	Z	-1.305	4.7
16	MP1A	Mx	.000951	4.7
17	MP1B	Z	-1.305	1.21
18	MP1B	Mx	.000818	1.21
19	MP1B	Z	-1.305	4.7
20	MP1B	Mx	.000818	4.7
21	MP1C	Z	-1.305	1.21
22	MP1C	Mx	-.002	1.21
23	MP1C	Z	-1.305	4.7
24	MP1C	Mx	-.002	4.7
25	MP4A	Z	-1.305	1.21
26	MP4A	Mx	-.000383	1.21
27	MP4A	Z	-1.305	4.7
28	MP4A	Mx	-.000383	4.7
29	MP4B	Z	-1.305	1.21
30	MP4B	Mx	.002	1.21
31	MP4B	Z	-1.305	4.7
32	MP4B	Mx	.002	4.7
33	MP4C	Z	-1.305	1.21
34	MP4C	Mx	-.001	1.21
35	MP4C	Z	-1.305	4.7
36	MP4C	Mx	-.001	4.7
37	MP4A	Z	-1.305	1.21
38	MP4A	Mx	.002	1.21
39	MP4A	Z	-1.305	4.7
40	MP4A	Mx	.002	4.7
41	MP4B	Z	-1.305	1.21
42	MP4B	Mx	-.000677	1.21
43	MP4B	Z	-1.305	4.7
44	MP4B	Mx	-.000677	4.7
45	MP4C	Z	-1.305	1.21
46	MP4C	Mx	-.001	1.21
47	MP4C	Z	-1.305	4.7
48	MP4C	Mx	-.001	4.7
49	MP3A	Z	-.132	1
50	MP3A	Mx	0	1
51	MP3B	Z	-.132	1
52	MP3B	Mx	4.8e-5	1
53	MP3C	Z	-.132	1
54	MP3C	Mx	-4.8e-5	1
55	MP3A	Z	-1.306	2.5
56	MP3A	Mx	0	2.5
57	MP3A	Z	-1.306	4.5
58	MP3A	Mx	0	4.5
59	MP3B	Z	-1.306	2.5
60	MP3B	Mx	.000566	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
61	MP3B	Z	-1.306	4.5
62	MP3B	Mx	.000566	4.5
63	MP3C	Z	-1.306	2.5
64	MP3C	Mx	-.000566	2.5
65	MP3C	Z	-1.306	4.5
66	MP3C	Mx	-.000566	4.5
67	MP1A	Z	-2.109	2.25
68	MP1A	Mx	-.001	2.25
69	MP1B	Z	-2.109	2.25
70	MP1B	Mx	-.00021	2.25
71	MP1C	Z	-2.109	2.25
72	MP1C	Mx	.002	2.25
73	MP1A	Z	-2.532	2.25
74	MP1A	Mx	.002	2.25
75	MP1B	Z	-2.532	2.25
76	MP1B	Mx	-.002	2.25
77	MP1C	Z	-2.532	2.25
78	MP1C	Mx	-.000298	2.25
79	MP4A	Z	-2.109	2.25
80	MP4A	Mx	.001	2.25
81	MP4B	Z	-2.109	2.25
82	MP4B	Mx	-.002	2.25
83	MP4C	Z	-2.109	2.25
84	MP4C	Mx	.00021	2.25
85	MP4A	Z	-2.532	2.25
86	MP4A	Mx	-.002	2.25
87	MP4B	Z	-2.532	2.25
88	MP4B	Mx	-.000252	2.25
89	MP4C	Z	-2.532	2.25
90	MP4C	Mx	.002	2.25
91	MP1A	Z	-.528	5
92	MP1A	Mx	6.8e-5	5
93	MP1B	Z	-.528	5
94	MP1B	Mx	-.000255	5
95	MP1C	Z	-.528	5
96	MP1C	Mx	.000187	5
97	MP4A	Z	-.528	5
98	MP4A	Mx	-.000151	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	1.305	1.21
2	MP1A	Mx	-.000818	1.21
3	MP1A	X	1.305	4.7
4	MP1A	Mx	-.000818	4.7
5	MP1B	X	1.305	1.21
6	MP1B	Mx	-.000951	1.21
7	MP1B	X	1.305	4.7
8	MP1B	Mx	-.000951	4.7
9	MP1C	X	1.305	1.21
10	MP1C	Mx	.002	1.21
11	MP1C	X	1.305	4.7
12	MP1C	Mx	.002	4.7
13	MP1A	X	1.305	1.21
14	MP1A	Mx	-.001	1.21
15	MP1A	X	1.305	4.7
16	MP1A	Mx	-.001	4.7
17	MP1B	X	1.305	1.21

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
18	MP1B	Mx	.002	1.21
19	MP1B	X	1.305	4.7
20	MP1B	Mx	.002	4.7
21	MP1C	X	1.305	1.21
22	MP1C	Mx	-7.7e-5	1.21
23	MP1C	X	1.305	4.7
24	MP1C	Mx	-7.7e-5	4.7
25	MP4A	X	1.305	1.21
26	MP4A	Mx	-.002	1.21
27	MP4A	X	1.305	4.7
28	MP4A	Mx	-.002	4.7
29	MP4B	X	1.305	1.21
30	MP4B	Mx	.000533	1.21
31	MP4B	X	1.305	4.7
32	MP4B	Mx	.000533	4.7
33	MP4C	X	1.305	1.21
34	MP4C	Mx	.001	1.21
35	MP4C	X	1.305	4.7
36	MP4C	Mx	.001	4.7
37	MP4A	X	1.305	1.21
38	MP4A	Mx	-.000231	1.21
39	MP4A	X	1.305	4.7
40	MP4A	Mx	-.000231	4.7
41	MP4B	X	1.305	1.21
42	MP4B	Mx	.002	1.21
43	MP4B	X	1.305	4.7
44	MP4B	Mx	.002	4.7
45	MP4C	X	1.305	1.21
46	MP4C	Mx	-.001	1.21
47	MP4C	X	1.305	4.7
48	MP4C	Mx	-.001	4.7
49	MP3A	X	.132	1
50	MP3A	Mx	-5.5e-5	1
51	MP3B	X	.132	1
52	MP3B	Mx	2.8e-5	1
53	MP3C	X	.132	1
54	MP3C	Mx	2.8e-5	1
55	MP3A	X	1.306	2.5
56	MP3A	Mx	-.000653	2.5
57	MP3A	X	1.306	4.5
58	MP3A	Mx	-.000653	4.5
59	MP3B	X	1.306	2.5
60	MP3B	Mx	.000327	2.5
61	MP3B	X	1.306	4.5
62	MP3B	Mx	.000327	4.5
63	MP3C	X	1.306	2.5
64	MP3C	Mx	.000327	2.5
65	MP3C	X	1.306	4.5
66	MP3C	Mx	.000327	4.5
67	MP1A	X	2.109	2.25
68	MP1A	Mx	.001	2.25
69	MP1B	X	2.109	2.25
70	MP1B	Mx	-.002	2.25
71	MP1C	X	2.109	2.25
72	MP1C	Mx	.00069	2.25
73	MP1A	X	2.532	2.25
74	MP1A	Mx	.000786	2.25
75	MP1B	X	2.532	2.25
76	MP1B	Mx	.001	2.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
77	MP1C	X	2.532	2.25
78	MP1C	Mx	-.002	2.25
79	MP4A	X	2.109	2.25
80	MP4A	Mx	.001	2.25
81	MP4B	X	2.109	2.25
82	MP4B	Mx	.00069	2.25
83	MP4C	X	2.109	2.25
84	MP4C	Mx	-.002	2.25
85	MP4A	X	2.532	2.25
86	MP4A	Mx	.001	2.25
87	MP4B	X	2.532	2.25
88	MP4B	Mx	-.002	2.25
89	MP4C	X	2.532	2.25
90	MP4C	Mx	.000829	2.25
91	MP1A	X	.528	5
92	MP1A	Mx	.000255	5
93	MP1B	X	.528	5
94	MP1B	Mx	-6.8e-5	5
95	MP1C	X	.528	5
96	MP1C	Mx	-.000187	5
97	MP4A	X	.528	5
98	MP4A	Mx	.000216	5

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	M4	Y	-7.697	-7.697	0	%100
2	M5	Y	-7.697	-7.697	0	%100
3	M10	Y	-7.697	-7.697	0	%100
4	M11	Y	-7.697	-7.697	0	%100
5	M16	Y	-7.697	-7.697	0	%100
6	M17	Y	-7.697	-7.697	0	%100
7	M18	Y	-10.244	-10.244	0	%100
8	M19	Y	-6.64	-6.64	0	%100
9	M20	Y	-6.64	-6.64	0	%100
10	M21	Y	-6.64	-6.64	0	%100
11	M22	Y	-6.64	-6.64	0	%100
12	M23	Y	-6.64	-6.64	0	%100
13	M24	Y	-6.64	-6.64	0	%100
14	M25	Y	-6.64	-6.64	0	%100
15	M26	Y	-6.64	-6.64	0	%100
16	M27	Y	-6.64	-6.64	0	%100
17	M28	Y	-5.808	-5.808	0	%100
18	M29	Y	-5.808	-5.808	0	%100
19	M30	Y	-5.808	-5.808	0	%100
20	M31	Y	-5.808	-5.808	0	%100
21	M32	Y	-5.808	-5.808	0	%100
22	M33	Y	-5.808	-5.808	0	%100
23	M38	Y	-5.808	-5.808	0	%100
24	M39	Y	-5.808	-5.808	0	%100
25	M44	Y	-5.808	-5.808	0	%100
26	M45	Y	-5.808	-5.808	0	%100
27	M50	Y	-5.808	-5.808	0	%100
28	M51	Y	-5.808	-5.808	0	%100
29	MP5A	Y	-5.039	-5.039	0	%100
30	MP4A	Y	-5.039	-5.039	0	%100
31	MP3A	Y	-5.039	-5.039	0	%100
32	MP2A	Y	-5.039	-5.039	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.%]
33	MP1A	Y	-5.039	-5.039	0	%100
34	MP5C	Y	-5.039	-5.039	0	%100
35	MP4C	Y	-5.039	-5.039	0	%100
36	MP3C	Y	-5.039	-5.039	0	%100
37	MP2C	Y	-5.039	-5.039	0	%100
38	MP1C	Y	-5.039	-5.039	0	%100
39	MP5B	Y	-5.039	-5.039	0	%100
40	MP4B	Y	-5.039	-5.039	0	%100
41	MP3B	Y	-5.039	-5.039	0	%100
42	MP2B	Y	-5.039	-5.039	0	%100
43	MP1B	Y	-5.039	-5.039	0	%100
44	M122A	Y	-10.244	-10.244	0	%100
45	M123A	Y	-10.244	-10.244	0	%100
46	M128	Y	-5.808	-5.808	0	%100
47	M129	Y	-5.808	-5.808	0	%100
48	M138	Y	-5.808	-5.808	0	%100
49	M141	Y	-5.808	-5.808	0	%100
50	M150	Y	-5.808	-5.808	0	%100
51	M153	Y	-5.808	-5.808	0	%100
52	M100A	Y	-5.75	-5.75	0	%100
53	M124A	Y	-7.697	-7.697	0	%100
54	M125A	Y	-7.697	-7.697	0	%100
55	M126	Y	-7.697	-7.697	0	%100
56	M133	Y	-5.75	-5.75	0	%100
57	M141A	Y	-5.75	-5.75	0	%100
58	M149A	Y	-5.75	-5.75	0	%100
59	M157	Y	-7.697	-7.697	0	%100
60	M158	Y	-7.697	-7.697	0	%100
61	M159	Y	-7.697	-7.697	0	%100
62	M160	Y	-6.69	-6.69	0	%100
63	M161	Y	-6.69	-6.69	0	%100
64	M162	Y	-6.69	-6.69	0	%100
65	M163	Y	-6.69	-6.69	0	%100
66	M164	Y	-6.69	-6.69	0	%100
67	M165	Y	-6.69	-6.69	0	%100
68	M158A	Y	-5.75	-5.75	0	%100
69	M159A	Y	-5.75	-5.75	0	%100
70	OVP	Y	-5.039	-5.039	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-6.371	-6.371	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	-7.604	-7.604	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	-6.371	-6.371	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	-7.604	-7.604	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	-5.204	-5.204	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	-2.53	-2.53	0	%100
17	M20	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.%]
18	M20	Z	-2.53	-2.53	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	-10.119	-10.119	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	-2.479	-2.479	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	-2.479	-2.479	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	-9.915	-9.915	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	-2.53	-2.53	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	-2.53	-2.53	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	-10.119	-10.119	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	-9e-6	-9e-6	0	%100
35	M29	X	0	0	0	%100
36	M29	Z	-5.341	-5.341	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	-5.355	-5.355	0	%100
39	M31	X	0	0	0	%100
40	M31	Z	-5.341	-5.341	0	%100
41	M32	X	0	0	0	%100
42	M32	Z	-9e-6	-9e-6	0	%100
43	M33	X	0	0	0	%100
44	M33	Z	-5.355	-5.355	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	0	0	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	-8.709	-8.709	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	-5.226	-5.226	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	-8.709	-8.709	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	-5.226	-5.226	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	-8.24	-8.24	0	%100
59	MP4A	X	0	0	0	%100
60	MP4A	Z	-8.24	-8.24	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	-8.24	-8.24	0	%100
63	MP2A	X	0	0	0	%100
64	MP2A	Z	-8.24	-8.24	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	-8.24	-8.24	0	%100
67	MP5C	X	0	0	0	%100
68	MP5C	Z	-8.24	-8.24	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	-8.24	-8.24	0	%100
71	MP3C	X	0	0	0	%100
72	MP3C	Z	-8.24	-8.24	0	%100
73	MP2C	X	0	0	0	%100
74	MP2C	Z	-8.24	-8.24	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-8.24	-8.24	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, %]
77	MP5B	X	0	0	0	%100
78	MP5B	Z	-8.24	-8.24	0	%100
79	MP4B	X	0	0	0	%100
80	MP4B	Z	-8.24	-8.24	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	-8.24	-8.24	0	%100
83	MP2B	X	0	0	0	%100
84	MP2B	Z	-8.24	-8.24	0	%100
85	MP1B	X	0	0	0	%100
86	MP1B	Z	-8.24	-8.24	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	-20.816	-20.816	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	-5.204	-5.204	0	%100
91	M128	X	0	0	0	%100
92	M128	Z	-7e-6	-7e-6	0	%100
93	M129	X	0	0	0	%100
94	M129	Z	-7e-6	-7e-6	0	%100
95	M138	X	0	0	0	%100
96	M138	Z	-4.345	-4.345	0	%100
97	M141	X	0	0	0	%100
98	M141	Z	-4.357	-4.357	0	%100
99	M150	X	0	0	0	%100
100	M150	Z	-4.357	-4.357	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	-4.345	-4.345	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	-9.974	-9.974	0	%100
105	M124A	X	0	0	0	%100
106	M124A	Z	-3.282	-3.282	0	%100
107	M125A	X	0	0	0	%100
108	M125A	Z	-3.282	-3.282	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	-13.129	-13.129	0	%100
111	M133	X	0	0	0	%100
112	M133	Z	-9.974	-9.974	0	%100
113	M141A	X	0	0	0	%100
114	M141A	Z	-2.494	-2.494	0	%100
115	M149A	X	0	0	0	%100
116	M149A	Z	-2.494	-2.494	0	%100
117	M157	X	0	0	0	%100
118	M157	Z	-3.282	-3.282	0	%100
119	M158	X	0	0	0	%100
120	M158	Z	-3.282	-3.282	0	%100
121	M159	X	0	0	0	%100
122	M159	Z	-13.129	-13.129	0	%100
123	M160	X	0	0	0	%100
124	M160	Z	-9.256	-9.256	0	%100
125	M161	X	0	0	0	%100
126	M161	Z	-9.256	-9.256	0	%100
127	M162	X	0	0	0	%100
128	M162	Z	-11.968	-11.968	0	%100
129	M163	X	0	0	0	%100
130	M163	Z	-3.424	-3.424	0	%100
131	M164	X	0	0	0	%100
132	M164	Z	-3.424	-3.424	0	%100
133	M165	X	0	0	0	%100
134	M165	Z	-11.968	-11.968	0	%100
135	M158A	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.%]
136	M158A	Z	-2.494	-2.494	0	%100
137	M159A	X	0	0	0	%100
138	M159A	Z	-2.494	-2.494	0	%100
139	OVP	X	0	0	0	%100
140	OVP	Z	-7.509	-7.509	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	M4	X	1.062	1.062	0	%100
2	M4	Z	-1.839	-1.839	0	%100
3	M5	X	1.267	1.267	0	%100
4	M5	Z	-2.195	-2.195	0	%100
5	M10	X	1.062	1.062	0	%100
6	M10	Z	-1.839	-1.839	0	%100
7	M11	X	1.267	1.267	0	%100
8	M11	Z	-2.195	-2.195	0	%100
9	M16	X	4.247	4.247	0	%100
10	M16	Z	-7.357	-7.357	0	%100
11	M17	X	5.069	5.069	0	%100
12	M17	Z	-8.78	-8.78	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	3.795	3.795	0	%100
16	M19	Z	-6.572	-6.572	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	3.795	3.795	0	%100
20	M21	Z	-6.572	-6.572	0	%100
21	M22	X	3.718	3.718	0	%100
22	M22	Z	-6.44	-6.44	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	3.718	3.718	0	%100
26	M24	Z	-6.44	-6.44	0	%100
27	M25	X	3.795	3.795	0	%100
28	M25	Z	-6.572	-6.572	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	3.795	3.795	0	%100
32	M27	Z	-6.572	-6.572	0	%100
33	M28	X	.895	.895	0	%100
34	M28	Z	-1.55	-1.55	0	%100
35	M29	X	.888	.888	0	%100
36	M29	Z	-1.538	-1.538	0	%100
37	M30	X	3.565	3.565	0	%100
38	M30	Z	-6.175	-6.175	0	%100
39	M31	X	3.565	3.565	0	%100
40	M31	Z	-6.175	-6.175	0	%100
41	M32	X	.888	.888	0	%100
42	M32	Z	-1.538	-1.538	0	%100
43	M33	X	.895	.895	0	%100
44	M33	Z	-1.55	-1.55	0	%100
45	M38	X	1.452	1.452	0	%100
46	M38	Z	-2.514	-2.514	0	%100
47	M39	X	.871	.871	0	%100
48	M39	Z	-1.509	-1.509	0	%100
49	M44	X	1.452	1.452	0	%100
50	M44	Z	-2.514	-2.514	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, %]
51	M45	X	.871	.871	0	%100
52	M45	Z	-1.509	-1.509	0	%100
53	M50	X	5.806	5.806	0	%100
54	M50	Z	-10.057	-10.057	0	%100
55	M51	X	3.484	3.484	0	%100
56	M51	Z	-6.034	-6.034	0	%100
57	MP5A	X	4.12	4.12	0	%100
58	MP5A	Z	-7.136	-7.136	0	%100
59	MP4A	X	4.12	4.12	0	%100
60	MP4A	Z	-7.136	-7.136	0	%100
61	MP3A	X	4.12	4.12	0	%100
62	MP3A	Z	-7.136	-7.136	0	%100
63	MP2A	X	4.12	4.12	0	%100
64	MP2A	Z	-7.136	-7.136	0	%100
65	MP1A	X	4.12	4.12	0	%100
66	MP1A	Z	-7.136	-7.136	0	%100
67	MP5C	X	4.12	4.12	0	%100
68	MP5C	Z	-7.136	-7.136	0	%100
69	MP4C	X	4.12	4.12	0	%100
70	MP4C	Z	-7.136	-7.136	0	%100
71	MP3C	X	4.12	4.12	0	%100
72	MP3C	Z	-7.136	-7.136	0	%100
73	MP2C	X	4.12	4.12	0	%100
74	MP2C	Z	-7.136	-7.136	0	%100
75	MP1C	X	4.12	4.12	0	%100
76	MP1C	Z	-7.136	-7.136	0	%100
77	MP5B	X	4.12	4.12	0	%100
78	MP5B	Z	-7.136	-7.136	0	%100
79	MP4B	X	4.12	4.12	0	%100
80	MP4B	Z	-7.136	-7.136	0	%100
81	MP3B	X	4.12	4.12	0	%100
82	MP3B	Z	-7.136	-7.136	0	%100
83	MP2B	X	4.12	4.12	0	%100
84	MP2B	Z	-7.136	-7.136	0	%100
85	MP1B	X	4.12	4.12	0	%100
86	MP1B	Z	-7.136	-7.136	0	%100
87	M122A	X	7.806	7.806	0	%100
88	M122A	Z	-13.52	-13.52	0	%100
89	M123A	X	7.806	7.806	0	%100
90	M123A	Z	-13.52	-13.52	0	%100
91	M128	X	.728	.728	0	%100
92	M128	Z	-1.261	-1.261	0	%100
93	M129	X	.722	.722	0	%100
94	M129	Z	-1.251	-1.251	0	%100
95	M138	X	.722	.722	0	%100
96	M138	Z	-1.251	-1.251	0	%100
97	M141	X	.728	.728	0	%100
98	M141	Z	-1.261	-1.261	0	%100
99	M150	X	2.901	2.901	0	%100
100	M150	Z	-5.024	-5.024	0	%100
101	M153	X	2.901	2.901	0	%100
102	M153	Z	-5.024	-5.024	0	%100
103	M100A	X	3.74	3.74	0	%100
104	M100A	Z	-6.478	-6.478	0	%100
105	M124A	X	4.923	4.923	0	%100
106	M124A	Z	-8.527	-8.527	0	%100
107	M125A	X	0	0	0	%100
108	M125A	Z	0	0	0	%100
109	M126	X	4.923	4.923	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.%]
110	M126	Z	-8.528	-8.528	0	%100
111	M133	X	3.74	3.74	0	%100
112	M133	Z	-6.478	-6.478	0	%100
113	M141A	X	3.74	3.74	0	%100
114	M141A	Z	-6.478	-6.478	0	%100
115	M149A	X	0	0	0	%100
116	M149A	Z	0	0	0	%100
117	M157	X	4.923	4.923	0	%100
118	M157	Z	-8.527	-8.527	0	%100
119	M158	X	0	0	0	%100
120	M158	Z	0	0	0	%100
121	M159	X	4.923	4.923	0	%100
122	M159	Z	-8.528	-8.528	0	%100
123	M160	X	2.232	2.232	0	%100
124	M160	Z	-3.866	-3.866	0	%100
125	M161	X	6.504	6.504	0	%100
126	M161	Z	-11.265	-11.265	0	%100
127	M162	X	6.504	6.504	0	%100
128	M162	Z	-11.265	-11.265	0	%100
129	M163	X	2.232	2.232	0	%100
130	M163	Z	-3.866	-3.866	0	%100
131	M164	X	3.588	3.588	0	%100
132	M164	Z	-6.215	-6.215	0	%100
133	M165	X	3.588	3.588	0	%100
134	M165	Z	-6.215	-6.215	0	%100
135	M158A	X	3.74	3.74	0	%100
136	M158A	Z	-6.478	-6.478	0	%100
137	M159A	X	0	0	0	%100
138	M159A	Z	0	0	0	%100
139	OVP	X	3.754	3.754	0	%100
140	OVP	Z	-6.503	-6.503	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	M4	X	5.517	5.517	0	%100
2	M4	Z	-3.185	-3.185	0	%100
3	M5	X	6.585	6.585	0	%100
4	M5	Z	-3.802	-3.802	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	5.517	5.517	0	%100
10	M16	Z	-3.185	-3.185	0	%100
11	M17	X	6.585	6.585	0	%100
12	M17	Z	-3.802	-3.802	0	%100
13	M18	X	4.507	4.507	0	%100
14	M18	Z	-2.602	-2.602	0	%100
15	M19	X	8.763	8.763	0	%100
16	M19	Z	-5.059	-5.059	0	%100
17	M20	X	2.191	2.191	0	%100
18	M20	Z	-1.265	-1.265	0	%100
19	M21	X	2.191	2.191	0	%100
20	M21	Z	-1.265	-1.265	0	%100
21	M22	X	8.586	8.586	0	%100
22	M22	Z	-4.957	-4.957	0	%100
23	M23	X	2.147	2.147	0	%100
24	M23	Z	-1.239	-1.239	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.%]
25	M24	X	2.147	2.147	0	%100
26	M24	Z	-1.239	-1.239	0	%100
27	M25	X	8.763	8.763	0	%100
28	M25	Z	-5.059	-5.059	0	%100
29	M26	X	2.191	2.191	0	%100
30	M26	Z	-1.265	-1.265	0	%100
31	M27	X	2.191	2.191	0	%100
32	M27	Z	-1.265	-1.265	0	%100
33	M28	X	4.637	4.637	0	%100
34	M28	Z	-2.677	-2.677	0	%100
35	M29	X	8e-6	8e-6	0	%100
36	M29	Z	-4e-6	-4e-6	0	%100
37	M30	X	4.625	4.625	0	%100
38	M30	Z	-2.67	-2.67	0	%100
39	M31	X	4.637	4.637	0	%100
40	M31	Z	-2.677	-2.677	0	%100
41	M32	X	4.625	4.625	0	%100
42	M32	Z	-2.67	-2.67	0	%100
43	M33	X	8e-6	8e-6	0	%100
44	M33	Z	-4e-6	-4e-6	0	%100
45	M38	X	7.543	7.543	0	%100
46	M38	Z	-4.355	-4.355	0	%100
47	M39	X	4.526	4.526	0	%100
48	M39	Z	-2.613	-2.613	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	7.543	7.543	0	%100
54	M50	Z	-4.355	-4.355	0	%100
55	M51	X	4.526	4.526	0	%100
56	M51	Z	-2.613	-2.613	0	%100
57	MP5A	X	7.136	7.136	0	%100
58	MP5A	Z	-4.12	-4.12	0	%100
59	MP4A	X	7.136	7.136	0	%100
60	MP4A	Z	-4.12	-4.12	0	%100
61	MP3A	X	7.136	7.136	0	%100
62	MP3A	Z	-4.12	-4.12	0	%100
63	MP2A	X	7.136	7.136	0	%100
64	MP2A	Z	-4.12	-4.12	0	%100
65	MP1A	X	7.136	7.136	0	%100
66	MP1A	Z	-4.12	-4.12	0	%100
67	MP5C	X	7.136	7.136	0	%100
68	MP5C	Z	-4.12	-4.12	0	%100
69	MP4C	X	7.136	7.136	0	%100
70	MP4C	Z	-4.12	-4.12	0	%100
71	MP3C	X	7.136	7.136	0	%100
72	MP3C	Z	-4.12	-4.12	0	%100
73	MP2C	X	7.136	7.136	0	%100
74	MP2C	Z	-4.12	-4.12	0	%100
75	MP1C	X	7.136	7.136	0	%100
76	MP1C	Z	-4.12	-4.12	0	%100
77	MP5B	X	7.136	7.136	0	%100
78	MP5B	Z	-4.12	-4.12	0	%100
79	MP4B	X	7.136	7.136	0	%100
80	MP4B	Z	-4.12	-4.12	0	%100
81	MP3B	X	7.136	7.136	0	%100
82	MP3B	Z	-4.12	-4.12	0	%100
83	MP2B	X	7.136	7.136	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, %]
84	MP2B	Z	-4.12	-4.12	0	%100
85	MP1B	X	7.136	7.136	0	%100
86	MP1B	Z	-4.12	-4.12	0	%100
87	M122A	X	4.507	4.507	0	%100
88	M122A	Z	-2.602	-2.602	0	%100
89	M123A	X	18.027	18.027	0	%100
90	M123A	Z	-10.408	-10.408	0	%100
91	M128	X	3.773	3.773	0	%100
92	M128	Z	-2.178	-2.178	0	%100
93	M129	X	3.763	3.763	0	%100
94	M129	Z	-2.173	-2.173	0	%100
95	M138	X	6e-6	6e-6	0	%100
96	M138	Z	-4e-6	-4e-6	0	%100
97	M141	X	6e-6	6e-6	0	%100
98	M141	Z	-4e-6	-4e-6	0	%100
99	M150	X	3.763	3.763	0	%100
100	M150	Z	-2.173	-2.173	0	%100
101	M153	X	3.773	3.773	0	%100
102	M153	Z	-2.178	-2.178	0	%100
103	M100A	X	2.159	2.159	0	%100
104	M100A	Z	-1.247	-1.247	0	%100
105	M124A	X	11.37	11.37	0	%100
106	M124A	Z	-6.565	-6.565	0	%100
107	M125A	X	2.842	2.842	0	%100
108	M125A	Z	-1.641	-1.641	0	%100
109	M126	X	2.843	2.843	0	%100
110	M126	Z	-1.641	-1.641	0	%100
111	M133	X	2.159	2.159	0	%100
112	M133	Z	-1.247	-1.247	0	%100
113	M141A	X	8.638	8.638	0	%100
114	M141A	Z	-4.987	-4.987	0	%100
115	M149A	X	2.159	2.159	0	%100
116	M149A	Z	-1.247	-1.247	0	%100
117	M157	X	11.37	11.37	0	%100
118	M157	Z	-6.565	-6.565	0	%100
119	M158	X	2.842	2.842	0	%100
120	M158	Z	-1.641	-1.641	0	%100
121	M159	X	2.843	2.843	0	%100
122	M159	Z	-1.641	-1.641	0	%100
123	M160	X	2.965	2.965	0	%100
124	M160	Z	-1.712	-1.712	0	%100
125	M161	X	10.365	10.365	0	%100
126	M161	Z	-5.984	-5.984	0	%100
127	M162	X	8.016	8.016	0	%100
128	M162	Z	-4.628	-4.628	0	%100
129	M163	X	8.016	8.016	0	%100
130	M163	Z	-4.628	-4.628	0	%100
131	M164	X	10.365	10.365	0	%100
132	M164	Z	-5.984	-5.984	0	%100
133	M165	X	2.965	2.965	0	%100
134	M165	Z	-1.712	-1.712	0	%100
135	M158A	X	8.638	8.638	0	%100
136	M158A	Z	-4.987	-4.987	0	%100
137	M159A	X	2.159	2.159	0	%100
138	M159A	Z	-1.247	-1.247	0	%100
139	OVP	X	6.503	6.503	0	%100
140	OVP	Z	-3.754	-3.754	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	M4	X	8.495	8.495	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	10.139	10.139	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	2.124	2.124	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	2.535	2.535	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	2.124	2.124	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	2.535	2.535	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	15.612	15.612	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	7.589	7.589	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	7.589	7.589	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	7.436	7.436	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	7.436	7.436	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	7.589	7.589	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	7.589	7.589	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	7.13	7.13	0	%100
34	M28	Z	0	0	0	%100
35	M29	X	1.79	1.79	0	%100
36	M29	Z	0	0	0	%100
37	M30	X	1.776	1.776	0	%100
38	M30	Z	0	0	0	%100
39	M31	X	1.79	1.79	0	%100
40	M31	Z	0	0	0	%100
41	M32	X	7.13	7.13	0	%100
42	M32	Z	0	0	0	%100
43	M33	X	1.776	1.776	0	%100
44	M33	Z	0	0	0	%100
45	M38	X	11.613	11.613	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	6.968	6.968	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	2.903	2.903	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	1.742	1.742	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	2.903	2.903	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	1.742	1.742	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	8.24	8.24	0	%100
58	MP5A	Z	0	0	0	%100
59	MP4A	X	8.24	8.24	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.%]
60	MP4A	Z	0	0	0	%100
61	MP3A	X	8.24	8.24	0	%100
62	MP3A	Z	0	0	0	%100
63	MP2A	X	8.24	8.24	0	%100
64	MP2A	Z	0	0	0	%100
65	MP1A	X	8.24	8.24	0	%100
66	MP1A	Z	0	0	0	%100
67	MP5C	X	8.24	8.24	0	%100
68	MP5C	Z	0	0	0	%100
69	MP4C	X	8.24	8.24	0	%100
70	MP4C	Z	0	0	0	%100
71	MP3C	X	8.24	8.24	0	%100
72	MP3C	Z	0	0	0	%100
73	MP2C	X	8.24	8.24	0	%100
74	MP2C	Z	0	0	0	%100
75	MP1C	X	8.24	8.24	0	%100
76	MP1C	Z	0	0	0	%100
77	MP5B	X	8.24	8.24	0	%100
78	MP5B	Z	0	0	0	%100
79	MP4B	X	8.24	8.24	0	%100
80	MP4B	Z	0	0	0	%100
81	MP3B	X	8.24	8.24	0	%100
82	MP3B	Z	0	0	0	%100
83	MP2B	X	8.24	8.24	0	%100
84	MP2B	Z	0	0	0	%100
85	MP1B	X	8.24	8.24	0	%100
86	MP1B	Z	0	0	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	0	0	0	%100
89	M123A	X	15.612	15.612	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	5.801	5.801	0	%100
92	M128	Z	0	0	0	%100
93	M129	X	5.801	5.801	0	%100
94	M129	Z	0	0	0	%100
95	M138	X	1.456	1.456	0	%100
96	M138	Z	0	0	0	%100
97	M141	X	1.445	1.445	0	%100
98	M141	Z	0	0	0	%100
99	M150	X	1.445	1.445	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	1.456	1.456	0	%100
102	M153	Z	0	0	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	0	0	0	%100
105	M124A	X	9.847	9.847	0	%100
106	M124A	Z	0	0	0	%100
107	M125A	X	9.847	9.847	0	%100
108	M125A	Z	0	0	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	0	0	0	%100
111	M133	X	0	0	0	%100
112	M133	Z	0	0	0	%100
113	M141A	X	7.481	7.481	0	%100
114	M141A	Z	0	0	0	%100
115	M149A	X	7.481	7.481	0	%100
116	M149A	Z	0	0	0	%100
117	M157	X	9.847	9.847	0	%100
118	M157	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, %]
119	M158	X	9.847	9.847	0	%100
120	M158	Z	0	0	0	%100
121	M159	X	0	0	0	%100
122	M159	Z	0	0	0	%100
123	M160	X	7.176	7.176	0	%100
124	M160	Z	0	0	0	%100
125	M161	X	7.176	7.176	0	%100
126	M161	Z	0	0	0	%100
127	M162	X	4.464	4.464	0	%100
128	M162	Z	0	0	0	%100
129	M163	X	13.008	13.008	0	%100
130	M163	Z	0	0	0	%100
131	M164	X	13.008	13.008	0	%100
132	M164	Z	0	0	0	%100
133	M165	X	4.464	4.464	0	%100
134	M165	Z	0	0	0	%100
135	M158A	X	7.481	7.481	0	%100
136	M158A	Z	0	0	0	%100
137	M159A	X	7.481	7.481	0	%100
138	M159A	Z	0	0	0	%100
139	OVP	X	7.509	7.509	0	%100
140	OVP	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	M4	X	5.517	5.517	0	%100
2	M4	Z	3.185	3.185	0	%100
3	M5	X	6.585	6.585	0	%100
4	M5	Z	3.802	3.802	0	%100
5	M10	X	5.517	5.517	0	%100
6	M10	Z	3.185	3.185	0	%100
7	M11	X	6.585	6.585	0	%100
8	M11	Z	3.802	3.802	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	18.027	18.027	0	%100
14	M18	Z	10.408	10.408	0	%100
15	M19	X	2.191	2.191	0	%100
16	M19	Z	1.265	1.265	0	%100
17	M20	X	8.763	8.763	0	%100
18	M20	Z	5.059	5.059	0	%100
19	M21	X	2.191	2.191	0	%100
20	M21	Z	1.265	1.265	0	%100
21	M22	X	2.147	2.147	0	%100
22	M22	Z	1.239	1.239	0	%100
23	M23	X	8.586	8.586	0	%100
24	M23	Z	4.957	4.957	0	%100
25	M24	X	2.147	2.147	0	%100
26	M24	Z	1.239	1.239	0	%100
27	M25	X	2.191	2.191	0	%100
28	M25	Z	1.265	1.265	0	%100
29	M26	X	8.763	8.763	0	%100
30	M26	Z	5.059	5.059	0	%100
31	M27	X	2.191	2.191	0	%100
32	M27	Z	1.265	1.265	0	%100
33	M28	X	4.625	4.625	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,%]
34	M28	Z	2.67	2.67	0	%100
35	M29	X	4.637	4.637	0	%100
36	M29	Z	2.677	2.677	0	%100
37	M30	X	8e-6	8e-6	0	%100
38	M30	Z	4e-6	4e-6	0	%100
39	M31	X	8e-6	8e-6	0	%100
40	M31	Z	4e-6	4e-6	0	%100
41	M32	X	4.637	4.637	0	%100
42	M32	Z	2.677	2.677	0	%100
43	M33	X	4.625	4.625	0	%100
44	M33	Z	2.67	2.67	0	%100
45	M38	X	7.543	7.543	0	%100
46	M38	Z	4.355	4.355	0	%100
47	M39	X	4.526	4.526	0	%100
48	M39	Z	2.613	2.613	0	%100
49	M44	X	7.543	7.543	0	%100
50	M44	Z	4.355	4.355	0	%100
51	M45	X	4.526	4.526	0	%100
52	M45	Z	2.613	2.613	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	7.136	7.136	0	%100
58	MP5A	Z	4.12	4.12	0	%100
59	MP4A	X	7.136	7.136	0	%100
60	MP4A	Z	4.12	4.12	0	%100
61	MP3A	X	7.136	7.136	0	%100
62	MP3A	Z	4.12	4.12	0	%100
63	MP2A	X	7.136	7.136	0	%100
64	MP2A	Z	4.12	4.12	0	%100
65	MP1A	X	7.136	7.136	0	%100
66	MP1A	Z	4.12	4.12	0	%100
67	MP5C	X	7.136	7.136	0	%100
68	MP5C	Z	4.12	4.12	0	%100
69	MP4C	X	7.136	7.136	0	%100
70	MP4C	Z	4.12	4.12	0	%100
71	MP3C	X	7.136	7.136	0	%100
72	MP3C	Z	4.12	4.12	0	%100
73	MP2C	X	7.136	7.136	0	%100
74	MP2C	Z	4.12	4.12	0	%100
75	MP1C	X	7.136	7.136	0	%100
76	MP1C	Z	4.12	4.12	0	%100
77	MP5B	X	7.136	7.136	0	%100
78	MP5B	Z	4.12	4.12	0	%100
79	MP4B	X	7.136	7.136	0	%100
80	MP4B	Z	4.12	4.12	0	%100
81	MP3B	X	7.136	7.136	0	%100
82	MP3B	Z	4.12	4.12	0	%100
83	MP2B	X	7.136	7.136	0	%100
84	MP2B	Z	4.12	4.12	0	%100
85	MP1B	X	7.136	7.136	0	%100
86	MP1B	Z	4.12	4.12	0	%100
87	M122A	X	4.507	4.507	0	%100
88	M122A	Z	2.602	2.602	0	%100
89	M123A	X	4.507	4.507	0	%100
90	M123A	Z	2.602	2.602	0	%100
91	M128	X	3.763	3.763	0	%100
92	M128	Z	2.173	2.173	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, %]
93	M129	X	3.773	3.773	0	%100
94	M129	Z	2.178	2.178	0	%100
95	M138	X	3.773	3.773	0	%100
96	M138	Z	2.178	2.178	0	%100
97	M141	X	3.763	3.763	0	%100
98	M141	Z	2.173	2.173	0	%100
99	M150	X	6e-6	6e-6	0	%100
100	M150	Z	4e-6	4e-6	0	%100
101	M153	X	6e-6	6e-6	0	%100
102	M153	Z	4e-6	4e-6	0	%100
103	M100A	X	2.159	2.159	0	%100
104	M100A	Z	1.247	1.247	0	%100
105	M124A	X	2.843	2.843	0	%100
106	M124A	Z	1.641	1.641	0	%100
107	M125A	X	11.37	11.37	0	%100
108	M125A	Z	6.565	6.565	0	%100
109	M126	X	2.842	2.842	0	%100
110	M126	Z	1.641	1.641	0	%100
111	M133	X	2.159	2.159	0	%100
112	M133	Z	1.247	1.247	0	%100
113	M141A	X	2.159	2.159	0	%100
114	M141A	Z	1.247	1.247	0	%100
115	M149A	X	8.638	8.638	0	%100
116	M149A	Z	4.987	4.987	0	%100
117	M157	X	2.843	2.843	0	%100
118	M157	Z	1.641	1.641	0	%100
119	M158	X	11.37	11.37	0	%100
120	M158	Z	6.565	6.565	0	%100
121	M159	X	2.842	2.842	0	%100
122	M159	Z	1.641	1.641	0	%100
123	M160	X	10.365	10.365	0	%100
124	M160	Z	5.984	5.984	0	%100
125	M161	X	2.965	2.965	0	%100
126	M161	Z	1.712	1.712	0	%100
127	M162	X	2.965	2.965	0	%100
128	M162	Z	1.712	1.712	0	%100
129	M163	X	10.365	10.365	0	%100
130	M163	Z	5.984	5.984	0	%100
131	M164	X	8.016	8.016	0	%100
132	M164	Z	4.628	4.628	0	%100
133	M165	X	8.016	8.016	0	%100
134	M165	Z	4.628	4.628	0	%100
135	M158A	X	2.159	2.159	0	%100
136	M158A	Z	1.247	1.247	0	%100
137	M159A	X	8.638	8.638	0	%100
138	M159A	Z	4.987	4.987	0	%100
139	OVP	X	6.503	6.503	0	%100
140	OVP	Z	3.754	3.754	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	M4	X	1.062	1.062	0	%100
2	M4	Z	1.839	1.839	0	%100
3	M5	X	1.267	1.267	0	%100
4	M5	Z	2.195	2.195	0	%100
5	M10	X	4.247	4.247	0	%100
6	M10	Z	7.357	7.357	0	%100
7	M11	X	5.069	5.069	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.%]
8	M11	Z	8.78	8.78	0	%100
9	M16	X	1.062	1.062	0	%100
10	M16	Z	1.839	1.839	0	%100
11	M17	X	1.267	1.267	0	%100
12	M17	Z	2.195	2.195	0	%100
13	M18	X	7.806	7.806	0	%100
14	M18	Z	13.52	13.52	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	3.795	3.795	0	%100
18	M20	Z	6.572	6.572	0	%100
19	M21	X	3.795	3.795	0	%100
20	M21	Z	6.572	6.572	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	3.718	3.718	0	%100
24	M23	Z	6.44	6.44	0	%100
25	M24	X	3.718	3.718	0	%100
26	M24	Z	6.44	6.44	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	3.795	3.795	0	%100
30	M26	Z	6.572	6.572	0	%100
31	M27	X	3.795	3.795	0	%100
32	M27	Z	6.572	6.572	0	%100
33	M28	X	.888	.888	0	%100
34	M28	Z	1.538	1.538	0	%100
35	M29	X	3.565	3.565	0	%100
36	M29	Z	6.175	6.175	0	%100
37	M30	X	.895	.895	0	%100
38	M30	Z	1.55	1.55	0	%100
39	M31	X	.888	.888	0	%100
40	M31	Z	1.538	1.538	0	%100
41	M32	X	.895	.895	0	%100
42	M32	Z	1.55	1.55	0	%100
43	M33	X	3.565	3.565	0	%100
44	M33	Z	6.175	6.175	0	%100
45	M38	X	1.452	1.452	0	%100
46	M38	Z	2.514	2.514	0	%100
47	M39	X	.871	.871	0	%100
48	M39	Z	1.509	1.509	0	%100
49	M44	X	5.806	5.806	0	%100
50	M44	Z	10.057	10.057	0	%100
51	M45	X	3.484	3.484	0	%100
52	M45	Z	6.034	6.034	0	%100
53	M50	X	1.452	1.452	0	%100
54	M50	Z	2.514	2.514	0	%100
55	M51	X	.871	.871	0	%100
56	M51	Z	1.509	1.509	0	%100
57	MP5A	X	4.12	4.12	0	%100
58	MP5A	Z	7.136	7.136	0	%100
59	MP4A	X	4.12	4.12	0	%100
60	MP4A	Z	7.136	7.136	0	%100
61	MP3A	X	4.12	4.12	0	%100
62	MP3A	Z	7.136	7.136	0	%100
63	MP2A	X	4.12	4.12	0	%100
64	MP2A	Z	7.136	7.136	0	%100
65	MP1A	X	4.12	4.12	0	%100
66	MP1A	Z	7.136	7.136	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.%]
67	MP5C	X	4.12	4.12	0	%100
68	MP5C	Z	7.136	7.136	0	%100
69	MP4C	X	4.12	4.12	0	%100
70	MP4C	Z	7.136	7.136	0	%100
71	MP3C	X	4.12	4.12	0	%100
72	MP3C	Z	7.136	7.136	0	%100
73	MP2C	X	4.12	4.12	0	%100
74	MP2C	Z	7.136	7.136	0	%100
75	MP1C	X	4.12	4.12	0	%100
76	MP1C	Z	7.136	7.136	0	%100
77	MP5B	X	4.12	4.12	0	%100
78	MP5B	Z	7.136	7.136	0	%100
79	MP4B	X	4.12	4.12	0	%100
80	MP4B	Z	7.136	7.136	0	%100
81	MP3B	X	4.12	4.12	0	%100
82	MP3B	Z	7.136	7.136	0	%100
83	MP2B	X	4.12	4.12	0	%100
84	MP2B	Z	7.136	7.136	0	%100
85	MP1B	X	4.12	4.12	0	%100
86	MP1B	Z	7.136	7.136	0	%100
87	M122A	X	7.806	7.806	0	%100
88	M122A	Z	13.52	13.52	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	.722	.722	0	%100
92	M128	Z	1.251	1.251	0	%100
93	M129	X	.728	.728	0	%100
94	M129	Z	1.261	1.261	0	%100
95	M138	X	2.901	2.901	0	%100
96	M138	Z	5.024	5.024	0	%100
97	M141	X	2.901	2.901	0	%100
98	M141	Z	5.024	5.024	0	%100
99	M150	X	.728	.728	0	%100
100	M150	Z	1.261	1.261	0	%100
101	M153	X	.722	.722	0	%100
102	M153	Z	1.251	1.251	0	%100
103	M100A	X	3.74	3.74	0	%100
104	M100A	Z	6.478	6.478	0	%100
105	M124A	X	0	0	0	%100
106	M124A	Z	0	0	0	%100
107	M125A	X	4.923	4.923	0	%100
108	M125A	Z	8.528	8.528	0	%100
109	M126	X	4.923	4.923	0	%100
110	M126	Z	8.527	8.527	0	%100
111	M133	X	3.74	3.74	0	%100
112	M133	Z	6.478	6.478	0	%100
113	M141A	X	0	0	0	%100
114	M141A	Z	0	0	0	%100
115	M149A	X	3.74	3.74	0	%100
116	M149A	Z	6.478	6.478	0	%100
117	M157	X	0	0	0	%100
118	M157	Z	0	0	0	%100
119	M158	X	4.923	4.923	0	%100
120	M158	Z	8.528	8.528	0	%100
121	M159	X	4.923	4.923	0	%100
122	M159	Z	8.527	8.527	0	%100
123	M160	X	6.504	6.504	0	%100
124	M160	Z	11.265	11.265	0	%100
125	M161	X	2.232	2.232	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.%]
126	M161	Z	3.866	3.866	0	%100
127	M162	X	3.588	3.588	0	%100
128	M162	Z	6.215	6.215	0	%100
129	M163	X	3.588	3.588	0	%100
130	M163	Z	6.215	6.215	0	%100
131	M164	X	2.232	2.232	0	%100
132	M164	Z	3.866	3.866	0	%100
133	M165	X	6.504	6.504	0	%100
134	M165	Z	11.265	11.265	0	%100
135	M158A	X	0	0	0	%100
136	M158A	Z	0	0	0	%100
137	M159A	X	3.74	3.74	0	%100
138	M159A	Z	6.478	6.478	0	%100
139	OVP	X	3.754	3.754	0	%100
140	OVP	Z	6.503	6.503	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	6.371	6.371	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	7.604	7.604	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	6.371	6.371	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	7.604	7.604	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	5.204	5.204	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	2.53	2.53	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	2.53	2.53	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	10.119	10.119	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	2.479	2.479	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	2.479	2.479	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	9.915	9.915	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	2.53	2.53	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	2.53	2.53	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	10.119	10.119	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	9e-6	9e-6	0	%100
35	M29	X	0	0	0	%100
36	M29	Z	5.341	5.341	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	5.355	5.355	0	%100
39	M31	X	0	0	0	%100
40	M31	Z	5.341	5.341	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, %]
41	M32	X	0	0	0	%100
42	M32	Z	9e-6	9e-6	0	%100
43	M33	X	0	0	0	%100
44	M33	Z	5.355	5.355	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	0	0	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	8.709	8.709	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	5.226	5.226	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	8.709	8.709	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	5.226	5.226	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	8.24	8.24	0	%100
59	MP4A	X	0	0	0	%100
60	MP4A	Z	8.24	8.24	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	8.24	8.24	0	%100
63	MP2A	X	0	0	0	%100
64	MP2A	Z	8.24	8.24	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	8.24	8.24	0	%100
67	MP5C	X	0	0	0	%100
68	MP5C	Z	8.24	8.24	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	8.24	8.24	0	%100
71	MP3C	X	0	0	0	%100
72	MP3C	Z	8.24	8.24	0	%100
73	MP2C	X	0	0	0	%100
74	MP2C	Z	8.24	8.24	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	8.24	8.24	0	%100
77	MP5B	X	0	0	0	%100
78	MP5B	Z	8.24	8.24	0	%100
79	MP4B	X	0	0	0	%100
80	MP4B	Z	8.24	8.24	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	8.24	8.24	0	%100
83	MP2B	X	0	0	0	%100
84	MP2B	Z	8.24	8.24	0	%100
85	MP1B	X	0	0	0	%100
86	MP1B	Z	8.24	8.24	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	20.816	20.816	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	5.204	5.204	0	%100
91	M128	X	0	0	0	%100
92	M128	Z	7e-6	7e-6	0	%100
93	M129	X	0	0	0	%100
94	M129	Z	7e-6	7e-6	0	%100
95	M138	X	0	0	0	%100
96	M138	Z	4.345	4.345	0	%100
97	M141	X	0	0	0	%100
98	M141	Z	4.357	4.357	0	%100
99	M150	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, %]
100	M150	Z	4.357	4.357	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	4.345	4.345	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	9.974	9.974	0	%100
105	M124A	X	0	0	0	%100
106	M124A	Z	3.282	3.282	0	%100
107	M125A	X	0	0	0	%100
108	M125A	Z	3.282	3.282	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	13.129	13.129	0	%100
111	M133	X	0	0	0	%100
112	M133	Z	9.974	9.974	0	%100
113	M141A	X	0	0	0	%100
114	M141A	Z	2.494	2.494	0	%100
115	M149A	X	0	0	0	%100
116	M149A	Z	2.494	2.494	0	%100
117	M157	X	0	0	0	%100
118	M157	Z	3.282	3.282	0	%100
119	M158	X	0	0	0	%100
120	M158	Z	3.282	3.282	0	%100
121	M159	X	0	0	0	%100
122	M159	Z	13.129	13.129	0	%100
123	M160	X	0	0	0	%100
124	M160	Z	9.256	9.256	0	%100
125	M161	X	0	0	0	%100
126	M161	Z	9.256	9.256	0	%100
127	M162	X	0	0	0	%100
128	M162	Z	11.968	11.968	0	%100
129	M163	X	0	0	0	%100
130	M163	Z	3.424	3.424	0	%100
131	M164	X	0	0	0	%100
132	M164	Z	3.424	3.424	0	%100
133	M165	X	0	0	0	%100
134	M165	Z	11.968	11.968	0	%100
135	M158A	X	0	0	0	%100
136	M158A	Z	2.494	2.494	0	%100
137	M159A	X	0	0	0	%100
138	M159A	Z	2.494	2.494	0	%100
139	OVP	X	0	0	0	%100
140	OVP	Z	7.509	7.509	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	M4	X	-1.062	-1.062	0	%100
2	M4	Z	1.839	1.839	0	%100
3	M5	X	-1.267	-1.267	0	%100
4	M5	Z	2.195	2.195	0	%100
5	M10	X	-1.062	-1.062	0	%100
6	M10	Z	1.839	1.839	0	%100
7	M11	X	-1.267	-1.267	0	%100
8	M11	Z	2.195	2.195	0	%100
9	M16	X	-4.247	-4.247	0	%100
10	M16	Z	7.357	7.357	0	%100
11	M17	X	-5.069	-5.069	0	%100
12	M17	Z	8.78	8.78	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
15	M19	X	-3.795	-3.795	0	%100
16	M19	Z	6.572	6.572	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	-3.795	-3.795	0	%100
20	M21	Z	6.572	6.572	0	%100
21	M22	X	-3.718	-3.718	0	%100
22	M22	Z	6.44	6.44	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	-3.718	-3.718	0	%100
26	M24	Z	6.44	6.44	0	%100
27	M25	X	-3.795	-3.795	0	%100
28	M25	Z	6.572	6.572	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	-3.795	-3.795	0	%100
32	M27	Z	6.572	6.572	0	%100
33	M28	X	-.895	-.895	0	%100
34	M28	Z	1.55	1.55	0	%100
35	M29	X	-.888	-.888	0	%100
36	M29	Z	1.538	1.538	0	%100
37	M30	X	-3.565	-3.565	0	%100
38	M30	Z	6.175	6.175	0	%100
39	M31	X	-3.565	-3.565	0	%100
40	M31	Z	6.175	6.175	0	%100
41	M32	X	-.888	-.888	0	%100
42	M32	Z	1.538	1.538	0	%100
43	M33	X	-.895	-.895	0	%100
44	M33	Z	1.55	1.55	0	%100
45	M38	X	-1.452	-1.452	0	%100
46	M38	Z	2.514	2.514	0	%100
47	M39	X	-.871	-.871	0	%100
48	M39	Z	1.509	1.509	0	%100
49	M44	X	-1.452	-1.452	0	%100
50	M44	Z	2.514	2.514	0	%100
51	M45	X	-.871	-.871	0	%100
52	M45	Z	1.509	1.509	0	%100
53	M50	X	-5.806	-5.806	0	%100
54	M50	Z	10.057	10.057	0	%100
55	M51	X	-3.484	-3.484	0	%100
56	M51	Z	6.034	6.034	0	%100
57	MP5A	X	-4.12	-4.12	0	%100
58	MP5A	Z	7.136	7.136	0	%100
59	MP4A	X	-4.12	-4.12	0	%100
60	MP4A	Z	7.136	7.136	0	%100
61	MP3A	X	-4.12	-4.12	0	%100
62	MP3A	Z	7.136	7.136	0	%100
63	MP2A	X	-4.12	-4.12	0	%100
64	MP2A	Z	7.136	7.136	0	%100
65	MP1A	X	-4.12	-4.12	0	%100
66	MP1A	Z	7.136	7.136	0	%100
67	MP5C	X	-4.12	-4.12	0	%100
68	MP5C	Z	7.136	7.136	0	%100
69	MP4C	X	-4.12	-4.12	0	%100
70	MP4C	Z	7.136	7.136	0	%100
71	MP3C	X	-4.12	-4.12	0	%100
72	MP3C	Z	7.136	7.136	0	%100
73	MP2C	X	-4.12	-4.12	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.%]
74	MP2C	Z	7.136	7.136	0	%100
75	MP1C	X	-4.12	-4.12	0	%100
76	MP1C	Z	7.136	7.136	0	%100
77	MP5B	X	-4.12	-4.12	0	%100
78	MP5B	Z	7.136	7.136	0	%100
79	MP4B	X	-4.12	-4.12	0	%100
80	MP4B	Z	7.136	7.136	0	%100
81	MP3B	X	-4.12	-4.12	0	%100
82	MP3B	Z	7.136	7.136	0	%100
83	MP2B	X	-4.12	-4.12	0	%100
84	MP2B	Z	7.136	7.136	0	%100
85	MP1B	X	-4.12	-4.12	0	%100
86	MP1B	Z	7.136	7.136	0	%100
87	M122A	X	-7.806	-7.806	0	%100
88	M122A	Z	13.52	13.52	0	%100
89	M123A	X	-7.806	-7.806	0	%100
90	M123A	Z	13.52	13.52	0	%100
91	M128	X	-.728	-.728	0	%100
92	M128	Z	1.261	1.261	0	%100
93	M129	X	-.722	-.722	0	%100
94	M129	Z	1.251	1.251	0	%100
95	M138	X	-.722	-.722	0	%100
96	M138	Z	1.251	1.251	0	%100
97	M141	X	-.728	-.728	0	%100
98	M141	Z	1.261	1.261	0	%100
99	M150	X	-2.901	-2.901	0	%100
100	M150	Z	5.024	5.024	0	%100
101	M153	X	-2.901	-2.901	0	%100
102	M153	Z	5.024	5.024	0	%100
103	M100A	X	-3.74	-3.74	0	%100
104	M100A	Z	6.478	6.478	0	%100
105	M124A	X	-4.923	-4.923	0	%100
106	M124A	Z	8.527	8.527	0	%100
107	M125A	X	0	0	0	%100
108	M125A	Z	0	0	0	%100
109	M126	X	-4.923	-4.923	0	%100
110	M126	Z	8.528	8.528	0	%100
111	M133	X	-3.74	-3.74	0	%100
112	M133	Z	6.478	6.478	0	%100
113	M141A	X	-3.74	-3.74	0	%100
114	M141A	Z	6.478	6.478	0	%100
115	M149A	X	0	0	0	%100
116	M149A	Z	0	0	0	%100
117	M157	X	-4.923	-4.923	0	%100
118	M157	Z	8.527	8.527	0	%100
119	M158	X	0	0	0	%100
120	M158	Z	0	0	0	%100
121	M159	X	-4.923	-4.923	0	%100
122	M159	Z	8.528	8.528	0	%100
123	M160	X	-2.232	-2.232	0	%100
124	M160	Z	3.866	3.866	0	%100
125	M161	X	-6.504	-6.504	0	%100
126	M161	Z	11.265	11.265	0	%100
127	M162	X	-6.504	-6.504	0	%100
128	M162	Z	11.265	11.265	0	%100
129	M163	X	-2.232	-2.232	0	%100
130	M163	Z	3.866	3.866	0	%100
131	M164	X	-3.588	-3.588	0	%100
132	M164	Z	6.215	6.215	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. %]
133	M165	X	-3.588	-3.588	0	%100
134	M165	Z	6.215	6.215	0	%100
135	M158A	X	-3.74	-3.74	0	%100
136	M158A	Z	6.478	6.478	0	%100
137	M159A	X	0	0	0	%100
138	M159A	Z	0	0	0	%100
139	OVP	X	-3.754	-3.754	0	%100
140	OVP	Z	6.503	6.503	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	M4	X	-5.517	-5.517	0	%100
2	M4	Z	3.185	3.185	0	%100
3	M5	X	-6.585	-6.585	0	%100
4	M5	Z	3.802	3.802	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-5.517	-5.517	0	%100
10	M16	Z	3.185	3.185	0	%100
11	M17	X	-6.585	-6.585	0	%100
12	M17	Z	3.802	3.802	0	%100
13	M18	X	-4.507	-4.507	0	%100
14	M18	Z	2.602	2.602	0	%100
15	M19	X	-8.763	-8.763	0	%100
16	M19	Z	5.059	5.059	0	%100
17	M20	X	-2.191	-2.191	0	%100
18	M20	Z	1.265	1.265	0	%100
19	M21	X	-2.191	-2.191	0	%100
20	M21	Z	1.265	1.265	0	%100
21	M22	X	-8.586	-8.586	0	%100
22	M22	Z	4.957	4.957	0	%100
23	M23	X	-2.147	-2.147	0	%100
24	M23	Z	1.239	1.239	0	%100
25	M24	X	-2.147	-2.147	0	%100
26	M24	Z	1.239	1.239	0	%100
27	M25	X	-8.763	-8.763	0	%100
28	M25	Z	5.059	5.059	0	%100
29	M26	X	-2.191	-2.191	0	%100
30	M26	Z	1.265	1.265	0	%100
31	M27	X	-2.191	-2.191	0	%100
32	M27	Z	1.265	1.265	0	%100
33	M28	X	-4.637	-4.637	0	%100
34	M28	Z	2.677	2.677	0	%100
35	M29	X	-8e-6	-8e-6	0	%100
36	M29	Z	4e-6	4e-6	0	%100
37	M30	X	-4.625	-4.625	0	%100
38	M30	Z	2.67	2.67	0	%100
39	M31	X	-4.637	-4.637	0	%100
40	M31	Z	2.677	2.677	0	%100
41	M32	X	-4.625	-4.625	0	%100
42	M32	Z	2.67	2.67	0	%100
43	M33	X	-8e-6	-8e-6	0	%100
44	M33	Z	4e-6	4e-6	0	%100
45	M38	X	-7.543	-7.543	0	%100
46	M38	Z	4.355	4.355	0	%100
47	M39	X	-4.526	-4.526	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.%]
48	M39	Z	2.613	2.613	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	-7.543	-7.543	0	%100
54	M50	Z	4.355	4.355	0	%100
55	M51	X	-4.526	-4.526	0	%100
56	M51	Z	2.613	2.613	0	%100
57	MP5A	X	-7.136	-7.136	0	%100
58	MP5A	Z	4.12	4.12	0	%100
59	MP4A	X	-7.136	-7.136	0	%100
60	MP4A	Z	4.12	4.12	0	%100
61	MP3A	X	-7.136	-7.136	0	%100
62	MP3A	Z	4.12	4.12	0	%100
63	MP2A	X	-7.136	-7.136	0	%100
64	MP2A	Z	4.12	4.12	0	%100
65	MP1A	X	-7.136	-7.136	0	%100
66	MP1A	Z	4.12	4.12	0	%100
67	MP5C	X	-7.136	-7.136	0	%100
68	MP5C	Z	4.12	4.12	0	%100
69	MP4C	X	-7.136	-7.136	0	%100
70	MP4C	Z	4.12	4.12	0	%100
71	MP3C	X	-7.136	-7.136	0	%100
72	MP3C	Z	4.12	4.12	0	%100
73	MP2C	X	-7.136	-7.136	0	%100
74	MP2C	Z	4.12	4.12	0	%100
75	MP1C	X	-7.136	-7.136	0	%100
76	MP1C	Z	4.12	4.12	0	%100
77	MP5B	X	-7.136	-7.136	0	%100
78	MP5B	Z	4.12	4.12	0	%100
79	MP4B	X	-7.136	-7.136	0	%100
80	MP4B	Z	4.12	4.12	0	%100
81	MP3B	X	-7.136	-7.136	0	%100
82	MP3B	Z	4.12	4.12	0	%100
83	MP2B	X	-7.136	-7.136	0	%100
84	MP2B	Z	4.12	4.12	0	%100
85	MP1B	X	-7.136	-7.136	0	%100
86	MP1B	Z	4.12	4.12	0	%100
87	M122A	X	-4.507	-4.507	0	%100
88	M122A	Z	2.602	2.602	0	%100
89	M123A	X	-18.027	-18.027	0	%100
90	M123A	Z	10.408	10.408	0	%100
91	M128	X	-3.773	-3.773	0	%100
92	M128	Z	2.178	2.178	0	%100
93	M129	X	-3.763	-3.763	0	%100
94	M129	Z	2.173	2.173	0	%100
95	M138	X	-6e-6	-6e-6	0	%100
96	M138	Z	4e-6	4e-6	0	%100
97	M141	X	-6e-6	-6e-6	0	%100
98	M141	Z	4e-6	4e-6	0	%100
99	M150	X	-3.763	-3.763	0	%100
100	M150	Z	2.173	2.173	0	%100
101	M153	X	-3.773	-3.773	0	%100
102	M153	Z	2.178	2.178	0	%100
103	M100A	X	-2.159	-2.159	0	%100
104	M100A	Z	1.247	1.247	0	%100
105	M124A	X	-11.37	-11.37	0	%100
106	M124A	Z	6.565	6.565	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, %]
107	M125A	X	-2.842	-2.842	0	%100
108	M125A	Z	1.641	1.641	0	%100
109	M126	X	-2.843	-2.843	0	%100
110	M126	Z	1.641	1.641	0	%100
111	M133	X	-2.159	-2.159	0	%100
112	M133	Z	1.247	1.247	0	%100
113	M141A	X	-8.638	-8.638	0	%100
114	M141A	Z	4.987	4.987	0	%100
115	M149A	X	-2.159	-2.159	0	%100
116	M149A	Z	1.247	1.247	0	%100
117	M157	X	-11.37	-11.37	0	%100
118	M157	Z	6.565	6.565	0	%100
119	M158	X	-2.842	-2.842	0	%100
120	M158	Z	1.641	1.641	0	%100
121	M159	X	-2.843	-2.843	0	%100
122	M159	Z	1.641	1.641	0	%100
123	M160	X	-2.965	-2.965	0	%100
124	M160	Z	1.712	1.712	0	%100
125	M161	X	-10.365	-10.365	0	%100
126	M161	Z	5.984	5.984	0	%100
127	M162	X	-8.016	-8.016	0	%100
128	M162	Z	4.628	4.628	0	%100
129	M163	X	-8.016	-8.016	0	%100
130	M163	Z	4.628	4.628	0	%100
131	M164	X	-10.365	-10.365	0	%100
132	M164	Z	5.984	5.984	0	%100
133	M165	X	-2.965	-2.965	0	%100
134	M165	Z	1.712	1.712	0	%100
135	M158A	X	-8.638	-8.638	0	%100
136	M158A	Z	4.987	4.987	0	%100
137	M159A	X	-2.159	-2.159	0	%100
138	M159A	Z	1.247	1.247	0	%100
139	OVP	X	-6.503	-6.503	0	%100
140	OVP	Z	3.754	3.754	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	M4	X	-8.495	-8.495	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	-10.139	-10.139	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	-2.124	-2.124	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	-2.535	-2.535	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-2.124	-2.124	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	-2.535	-2.535	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	-15.612	-15.612	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	-7.589	-7.589	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	-7.589	-7.589	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-7.436	-7.436	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.%]
22	M22	Z	0	0	0	%100
23	M23	X	-7.436	-7.436	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	-7.589	-7.589	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-7.589	-7.589	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	-7.13	-7.13	0	%100
34	M28	Z	0	0	0	%100
35	M29	X	-1.79	-1.79	0	%100
36	M29	Z	0	0	0	%100
37	M30	X	-1.776	-1.776	0	%100
38	M30	Z	0	0	0	%100
39	M31	X	-1.79	-1.79	0	%100
40	M31	Z	0	0	0	%100
41	M32	X	-7.13	-7.13	0	%100
42	M32	Z	0	0	0	%100
43	M33	X	-1.776	-1.776	0	%100
44	M33	Z	0	0	0	%100
45	M38	X	-11.613	-11.613	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	-6.968	-6.968	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	-2.903	-2.903	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	-1.742	-1.742	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	-2.903	-2.903	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	-1.742	-1.742	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	-8.24	-8.24	0	%100
58	MP5A	Z	0	0	0	%100
59	MP4A	X	-8.24	-8.24	0	%100
60	MP4A	Z	0	0	0	%100
61	MP3A	X	-8.24	-8.24	0	%100
62	MP3A	Z	0	0	0	%100
63	MP2A	X	-8.24	-8.24	0	%100
64	MP2A	Z	0	0	0	%100
65	MP1A	X	-8.24	-8.24	0	%100
66	MP1A	Z	0	0	0	%100
67	MP5C	X	-8.24	-8.24	0	%100
68	MP5C	Z	0	0	0	%100
69	MP4C	X	-8.24	-8.24	0	%100
70	MP4C	Z	0	0	0	%100
71	MP3C	X	-8.24	-8.24	0	%100
72	MP3C	Z	0	0	0	%100
73	MP2C	X	-8.24	-8.24	0	%100
74	MP2C	Z	0	0	0	%100
75	MP1C	X	-8.24	-8.24	0	%100
76	MP1C	Z	0	0	0	%100
77	MP5B	X	-8.24	-8.24	0	%100
78	MP5B	Z	0	0	0	%100
79	MP4B	X	-8.24	-8.24	0	%100
80	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
81	MP3B	X	-8.24	-8.24	0	%100
82	MP3B	Z	0	0	0	%100
83	MP2B	X	-8.24	-8.24	0	%100
84	MP2B	Z	0	0	0	%100
85	MP1B	X	-8.24	-8.24	0	%100
86	MP1B	Z	0	0	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	0	0	0	%100
89	M123A	X	-15.612	-15.612	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	-5.801	-5.801	0	%100
92	M128	Z	0	0	0	%100
93	M129	X	-5.801	-5.801	0	%100
94	M129	Z	0	0	0	%100
95	M138	X	-1.456	-1.456	0	%100
96	M138	Z	0	0	0	%100
97	M141	X	-1.445	-1.445	0	%100
98	M141	Z	0	0	0	%100
99	M150	X	-1.445	-1.445	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	-1.456	-1.456	0	%100
102	M153	Z	0	0	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	0	0	0	%100
105	M124A	X	-9.847	-9.847	0	%100
106	M124A	Z	0	0	0	%100
107	M125A	X	-9.847	-9.847	0	%100
108	M125A	Z	0	0	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	0	0	0	%100
111	M133	X	0	0	0	%100
112	M133	Z	0	0	0	%100
113	M141A	X	-7.481	-7.481	0	%100
114	M141A	Z	0	0	0	%100
115	M149A	X	-7.481	-7.481	0	%100
116	M149A	Z	0	0	0	%100
117	M157	X	-9.847	-9.847	0	%100
118	M157	Z	0	0	0	%100
119	M158	X	-9.847	-9.847	0	%100
120	M158	Z	0	0	0	%100
121	M159	X	0	0	0	%100
122	M159	Z	0	0	0	%100
123	M160	X	-7.176	-7.176	0	%100
124	M160	Z	0	0	0	%100
125	M161	X	-7.176	-7.176	0	%100
126	M161	Z	0	0	0	%100
127	M162	X	-4.464	-4.464	0	%100
128	M162	Z	0	0	0	%100
129	M163	X	-13.008	-13.008	0	%100
130	M163	Z	0	0	0	%100
131	M164	X	-13.008	-13.008	0	%100
132	M164	Z	0	0	0	%100
133	M165	X	-4.464	-4.464	0	%100
134	M165	Z	0	0	0	%100
135	M158A	X	-7.481	-7.481	0	%100
136	M158A	Z	0	0	0	%100
137	M159A	X	-7.481	-7.481	0	%100
138	M159A	Z	0	0	0	%100
139	QVP	X	-7.509	-7.509	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.%]
140	OVP	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	M4	X	-5.517	-5.517	0	%100
2	M4	Z	-3.185	-3.185	0	%100
3	M5	X	-6.585	-6.585	0	%100
4	M5	Z	-3.802	-3.802	0	%100
5	M10	X	-5.517	-5.517	0	%100
6	M10	Z	-3.185	-3.185	0	%100
7	M11	X	-6.585	-6.585	0	%100
8	M11	Z	-3.802	-3.802	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	-18.027	-18.027	0	%100
14	M18	Z	-10.408	-10.408	0	%100
15	M19	X	-2.191	-2.191	0	%100
16	M19	Z	-1.265	-1.265	0	%100
17	M20	X	-8.763	-8.763	0	%100
18	M20	Z	-5.059	-5.059	0	%100
19	M21	X	-2.191	-2.191	0	%100
20	M21	Z	-1.265	-1.265	0	%100
21	M22	X	-2.147	-2.147	0	%100
22	M22	Z	-1.239	-1.239	0	%100
23	M23	X	-8.586	-8.586	0	%100
24	M23	Z	-4.957	-4.957	0	%100
25	M24	X	-2.147	-2.147	0	%100
26	M24	Z	-1.239	-1.239	0	%100
27	M25	X	-2.191	-2.191	0	%100
28	M25	Z	-1.265	-1.265	0	%100
29	M26	X	-8.763	-8.763	0	%100
30	M26	Z	-5.059	-5.059	0	%100
31	M27	X	-2.191	-2.191	0	%100
32	M27	Z	-1.265	-1.265	0	%100
33	M28	X	-4.625	-4.625	0	%100
34	M28	Z	-2.67	-2.67	0	%100
35	M29	X	-4.637	-4.637	0	%100
36	M29	Z	-2.677	-2.677	0	%100
37	M30	X	-8e-6	-8e-6	0	%100
38	M30	Z	-4e-6	-4e-6	0	%100
39	M31	X	-8e-6	-8e-6	0	%100
40	M31	Z	-4e-6	-4e-6	0	%100
41	M32	X	-4.637	-4.637	0	%100
42	M32	Z	-2.677	-2.677	0	%100
43	M33	X	-4.625	-4.625	0	%100
44	M33	Z	-2.67	-2.67	0	%100
45	M38	X	-7.543	-7.543	0	%100
46	M38	Z	-4.355	-4.355	0	%100
47	M39	X	-4.526	-4.526	0	%100
48	M39	Z	-2.613	-2.613	0	%100
49	M44	X	-7.543	-7.543	0	%100
50	M44	Z	-4.355	-4.355	0	%100
51	M45	X	-4.526	-4.526	0	%100
52	M45	Z	-2.613	-2.613	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	0	0	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.%]
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	-7.136	-7.136	0	%100
58	MP5A	Z	-4.12	-4.12	0	%100
59	MP4A	X	-7.136	-7.136	0	%100
60	MP4A	Z	-4.12	-4.12	0	%100
61	MP3A	X	-7.136	-7.136	0	%100
62	MP3A	Z	-4.12	-4.12	0	%100
63	MP2A	X	-7.136	-7.136	0	%100
64	MP2A	Z	-4.12	-4.12	0	%100
65	MP1A	X	-7.136	-7.136	0	%100
66	MP1A	Z	-4.12	-4.12	0	%100
67	MP5C	X	-7.136	-7.136	0	%100
68	MP5C	Z	-4.12	-4.12	0	%100
69	MP4C	X	-7.136	-7.136	0	%100
70	MP4C	Z	-4.12	-4.12	0	%100
71	MP3C	X	-7.136	-7.136	0	%100
72	MP3C	Z	-4.12	-4.12	0	%100
73	MP2C	X	-7.136	-7.136	0	%100
74	MP2C	Z	-4.12	-4.12	0	%100
75	MP1C	X	-7.136	-7.136	0	%100
76	MP1C	Z	-4.12	-4.12	0	%100
77	MP5B	X	-7.136	-7.136	0	%100
78	MP5B	Z	-4.12	-4.12	0	%100
79	MP4B	X	-7.136	-7.136	0	%100
80	MP4B	Z	-4.12	-4.12	0	%100
81	MP3B	X	-7.136	-7.136	0	%100
82	MP3B	Z	-4.12	-4.12	0	%100
83	MP2B	X	-7.136	-7.136	0	%100
84	MP2B	Z	-4.12	-4.12	0	%100
85	MP1B	X	-7.136	-7.136	0	%100
86	MP1B	Z	-4.12	-4.12	0	%100
87	M122A	X	-4.507	-4.507	0	%100
88	M122A	Z	-2.602	-2.602	0	%100
89	M123A	X	-4.507	-4.507	0	%100
90	M123A	Z	-2.602	-2.602	0	%100
91	M128	X	-3.763	-3.763	0	%100
92	M128	Z	-2.173	-2.173	0	%100
93	M129	X	-3.773	-3.773	0	%100
94	M129	Z	-2.178	-2.178	0	%100
95	M138	X	-3.773	-3.773	0	%100
96	M138	Z	-2.178	-2.178	0	%100
97	M141	X	-3.763	-3.763	0	%100
98	M141	Z	-2.173	-2.173	0	%100
99	M150	X	-6e-6	-6e-6	0	%100
100	M150	Z	-4e-6	-4e-6	0	%100
101	M153	X	-6e-6	-6e-6	0	%100
102	M153	Z	-4e-6	-4e-6	0	%100
103	M100A	X	-2.159	-2.159	0	%100
104	M100A	Z	-1.247	-1.247	0	%100
105	M124A	X	-2.843	-2.843	0	%100
106	M124A	Z	-1.641	-1.641	0	%100
107	M125A	X	-11.37	-11.37	0	%100
108	M125A	Z	-6.565	-6.565	0	%100
109	M126	X	-2.842	-2.842	0	%100
110	M126	Z	-1.641	-1.641	0	%100
111	M133	X	-2.159	-2.159	0	%100
112	M133	Z	-1.247	-1.247	0	%100
113	M141A	X	-2.159	-2.159	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.%]
114	M141A	Z	-1.247	-1.247	0	%100
115	M149A	X	-8.638	-8.638	0	%100
116	M149A	Z	-4.987	-4.987	0	%100
117	M157	X	-2.843	-2.843	0	%100
118	M157	Z	-1.641	-1.641	0	%100
119	M158	X	-11.37	-11.37	0	%100
120	M158	Z	-6.565	-6.565	0	%100
121	M159	X	-2.842	-2.842	0	%100
122	M159	Z	-1.641	-1.641	0	%100
123	M160	X	-10.365	-10.365	0	%100
124	M160	Z	-5.984	-5.984	0	%100
125	M161	X	-2.965	-2.965	0	%100
126	M161	Z	-1.712	-1.712	0	%100
127	M162	X	-2.965	-2.965	0	%100
128	M162	Z	-1.712	-1.712	0	%100
129	M163	X	-10.365	-10.365	0	%100
130	M163	Z	-5.984	-5.984	0	%100
131	M164	X	-8.016	-8.016	0	%100
132	M164	Z	-4.628	-4.628	0	%100
133	M165	X	-8.016	-8.016	0	%100
134	M165	Z	-4.628	-4.628	0	%100
135	M158A	X	-2.159	-2.159	0	%100
136	M158A	Z	-1.247	-1.247	0	%100
137	M159A	X	-8.638	-8.638	0	%100
138	M159A	Z	-4.987	-4.987	0	%100
139	OVP	X	-6.503	-6.503	0	%100
140	OVP	Z	-3.754	-3.754	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	M4	X	-1.062	-1.062	0	%100
2	M4	Z	-1.839	-1.839	0	%100
3	M5	X	-1.267	-1.267	0	%100
4	M5	Z	-2.195	-2.195	0	%100
5	M10	X	-4.247	-4.247	0	%100
6	M10	Z	-7.357	-7.357	0	%100
7	M11	X	-5.069	-5.069	0	%100
8	M11	Z	-8.78	-8.78	0	%100
9	M16	X	-1.062	-1.062	0	%100
10	M16	Z	-1.839	-1.839	0	%100
11	M17	X	-1.267	-1.267	0	%100
12	M17	Z	-2.195	-2.195	0	%100
13	M18	X	-7.806	-7.806	0	%100
14	M18	Z	-13.52	-13.52	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	-3.795	-3.795	0	%100
18	M20	Z	-6.572	-6.572	0	%100
19	M21	X	-3.795	-3.795	0	%100
20	M21	Z	-6.572	-6.572	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	-3.718	-3.718	0	%100
24	M23	Z	-6.44	-6.44	0	%100
25	M24	X	-3.718	-3.718	0	%100
26	M24	Z	-6.44	-6.44	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	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, %]
29	M26	X	-3.795	-3.795	0	%100
30	M26	Z	-6.572	-6.572	0	%100
31	M27	X	-3.795	-3.795	0	%100
32	M27	Z	-6.572	-6.572	0	%100
33	M28	X	-.888	-.888	0	%100
34	M28	Z	-1.538	-1.538	0	%100
35	M29	X	-3.565	-3.565	0	%100
36	M29	Z	-6.175	-6.175	0	%100
37	M30	X	-.895	-.895	0	%100
38	M30	Z	-1.55	-1.55	0	%100
39	M31	X	-.888	-.888	0	%100
40	M31	Z	-1.538	-1.538	0	%100
41	M32	X	-.895	-.895	0	%100
42	M32	Z	-1.55	-1.55	0	%100
43	M33	X	-3.565	-3.565	0	%100
44	M33	Z	-6.175	-6.175	0	%100
45	M38	X	-1.452	-1.452	0	%100
46	M38	Z	-2.514	-2.514	0	%100
47	M39	X	-.871	-.871	0	%100
48	M39	Z	-1.509	-1.509	0	%100
49	M44	X	-5.806	-5.806	0	%100
50	M44	Z	-10.057	-10.057	0	%100
51	M45	X	-3.484	-3.484	0	%100
52	M45	Z	-6.034	-6.034	0	%100
53	M50	X	-1.452	-1.452	0	%100
54	M50	Z	-2.514	-2.514	0	%100
55	M51	X	-.871	-.871	0	%100
56	M51	Z	-1.509	-1.509	0	%100
57	MP5A	X	-4.12	-4.12	0	%100
58	MP5A	Z	-7.136	-7.136	0	%100
59	MP4A	X	-4.12	-4.12	0	%100
60	MP4A	Z	-7.136	-7.136	0	%100
61	MP3A	X	-4.12	-4.12	0	%100
62	MP3A	Z	-7.136	-7.136	0	%100
63	MP2A	X	-4.12	-4.12	0	%100
64	MP2A	Z	-7.136	-7.136	0	%100
65	MP1A	X	-4.12	-4.12	0	%100
66	MP1A	Z	-7.136	-7.136	0	%100
67	MP5C	X	-4.12	-4.12	0	%100
68	MP5C	Z	-7.136	-7.136	0	%100
69	MP4C	X	-4.12	-4.12	0	%100
70	MP4C	Z	-7.136	-7.136	0	%100
71	MP3C	X	-4.12	-4.12	0	%100
72	MP3C	Z	-7.136	-7.136	0	%100
73	MP2C	X	-4.12	-4.12	0	%100
74	MP2C	Z	-7.136	-7.136	0	%100
75	MP1C	X	-4.12	-4.12	0	%100
76	MP1C	Z	-7.136	-7.136	0	%100
77	MP5B	X	-4.12	-4.12	0	%100
78	MP5B	Z	-7.136	-7.136	0	%100
79	MP4B	X	-4.12	-4.12	0	%100
80	MP4B	Z	-7.136	-7.136	0	%100
81	MP3B	X	-4.12	-4.12	0	%100
82	MP3B	Z	-7.136	-7.136	0	%100
83	MP2B	X	-4.12	-4.12	0	%100
84	MP2B	Z	-7.136	-7.136	0	%100
85	MP1B	X	-4.12	-4.12	0	%100
86	MP1B	Z	-7.136	-7.136	0	%100
87	M122A	X	-7.806	-7.806	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, %]
88	M122A	Z	-13.52	-13.52	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	-.722	-.722	0	%100
92	M128	Z	-1.251	-1.251	0	%100
93	M129	X	-.728	-.728	0	%100
94	M129	Z	-1.261	-1.261	0	%100
95	M138	X	-2.901	-2.901	0	%100
96	M138	Z	-5.024	-5.024	0	%100
97	M141	X	-2.901	-2.901	0	%100
98	M141	Z	-5.024	-5.024	0	%100
99	M150	X	-.728	-.728	0	%100
100	M150	Z	-1.261	-1.261	0	%100
101	M153	X	-.722	-.722	0	%100
102	M153	Z	-1.251	-1.251	0	%100
103	M100A	X	-3.74	-3.74	0	%100
104	M100A	Z	-6.478	-6.478	0	%100
105	M124A	X	0	0	0	%100
106	M124A	Z	0	0	0	%100
107	M125A	X	-4.923	-4.923	0	%100
108	M125A	Z	-8.528	-8.528	0	%100
109	M126	X	-4.923	-4.923	0	%100
110	M126	Z	-8.527	-8.527	0	%100
111	M133	X	-3.74	-3.74	0	%100
112	M133	Z	-6.478	-6.478	0	%100
113	M141A	X	0	0	0	%100
114	M141A	Z	0	0	0	%100
115	M149A	X	-3.74	-3.74	0	%100
116	M149A	Z	-6.478	-6.478	0	%100
117	M157	X	0	0	0	%100
118	M157	Z	0	0	0	%100
119	M158	X	-4.923	-4.923	0	%100
120	M158	Z	-8.528	-8.528	0	%100
121	M159	X	-4.923	-4.923	0	%100
122	M159	Z	-8.527	-8.527	0	%100
123	M160	X	-6.504	-6.504	0	%100
124	M160	Z	-11.265	-11.265	0	%100
125	M161	X	-2.232	-2.232	0	%100
126	M161	Z	-3.866	-3.866	0	%100
127	M162	X	-3.588	-3.588	0	%100
128	M162	Z	-6.215	-6.215	0	%100
129	M163	X	-3.588	-3.588	0	%100
130	M163	Z	-6.215	-6.215	0	%100
131	M164	X	-2.232	-2.232	0	%100
132	M164	Z	-3.866	-3.866	0	%100
133	M165	X	-6.504	-6.504	0	%100
134	M165	Z	-11.265	-11.265	0	%100
135	M158A	X	0	0	0	%100
136	M158A	Z	0	0	0	%100
137	M159A	X	-3.74	-3.74	0	%100
138	M159A	Z	-6.478	-6.478	0	%100
139	OVP	X	-3.754	-3.754	0	%100
140	OVP	Z	-6.503	-6.503	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	M4	X	0	0	0	%100
2	M4	Z	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, %]
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-1.949	-1.949	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	-2.373	-2.373	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	-1.949	-1.949	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	-2.373	-2.373	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	-1.125	-1.125	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	-.784	-.784	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	-.784	-.784	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	-3.135	-3.135	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	-.766	-.766	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	-.766	-.766	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	-3.064	-3.064	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	-.784	-.784	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	-.784	-.784	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	-3.135	-3.135	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	-3e-6	-3e-6	0	%100
35	M29	X	0	0	0	%100
36	M29	Z	-1.791	-1.791	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	-1.796	-1.796	0	%100
39	M31	X	0	0	0	%100
40	M31	Z	-1.791	-1.791	0	%100
41	M32	X	0	0	0	%100
42	M32	Z	-3e-6	-3e-6	0	%100
43	M33	X	0	0	0	%100
44	M33	Z	-1.796	-1.796	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	0	0	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	-2.353	-2.353	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	-1.749	-1.749	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	-2.353	-2.353	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	-1.749	-1.749	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	-2.834	-2.834	0	%100
59	MP4A	X	0	0	0	%100
60	MP4A	Z	-2.834	-2.834	0	%100
61	MP3A	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.%]
62	MP3A	Z	-2.834	-2.834	0	%100
63	MP2A	X	0	0	0	%100
64	MP2A	Z	-2.834	-2.834	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	-2.834	-2.834	0	%100
67	MP5C	X	0	0	0	%100
68	MP5C	Z	-2.834	-2.834	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	-2.834	-2.834	0	%100
71	MP3C	X	0	0	0	%100
72	MP3C	Z	-2.834	-2.834	0	%100
73	MP2C	X	0	0	0	%100
74	MP2C	Z	-2.834	-2.834	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-2.834	-2.834	0	%100
77	MP5B	X	0	0	0	%100
78	MP5B	Z	-2.834	-2.834	0	%100
79	MP4B	X	0	0	0	%100
80	MP4B	Z	-2.834	-2.834	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	-2.834	-2.834	0	%100
83	MP2B	X	0	0	0	%100
84	MP2B	Z	-2.834	-2.834	0	%100
85	MP1B	X	0	0	0	%100
86	MP1B	Z	-2.834	-2.834	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	-4.501	-4.501	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	-1.125	-1.125	0	%100
91	M128	X	0	0	0	%100
92	M128	Z	-2e-6	-2e-6	0	%100
93	M129	X	0	0	0	%100
94	M129	Z	-2e-6	-2e-6	0	%100
95	M138	X	0	0	0	%100
96	M138	Z	-1.436	-1.436	0	%100
97	M141	X	0	0	0	%100
98	M141	Z	-1.44	-1.44	0	%100
99	M150	X	0	0	0	%100
100	M150	Z	-1.44	-1.44	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	-1.436	-1.436	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	-3.135	-3.135	0	%100
105	M124A	X	0	0	0	%100
106	M124A	Z	-.845	-.845	0	%100
107	M125A	X	0	0	0	%100
108	M125A	Z	-.845	-.845	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	-3.381	-3.381	0	%100
111	M133	X	0	0	0	%100
112	M133	Z	-3.135	-3.135	0	%100
113	M141A	X	0	0	0	%100
114	M141A	Z	-.784	-.784	0	%100
115	M149A	X	0	0	0	%100
116	M149A	Z	-.784	-.784	0	%100
117	M157	X	0	0	0	%100
118	M157	Z	-.845	-.845	0	%100
119	M158	X	0	0	0	%100
120	M158	Z	-.845	-.845	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, %]
121	M159	X	0	0	0	%100
122	M159	Z	-3.381	-3.381	0	%100
123	M160	X	0	0	0	%100
124	M160	Z	-2.523	-2.523	0	%100
125	M161	X	0	0	0	%100
126	M161	Z	-2.523	-2.523	0	%100
127	M162	X	0	0	0	%100
128	M162	Z	-3.262	-3.262	0	%100
129	M163	X	0	0	0	%100
130	M163	Z	-.933	-.933	0	%100
131	M164	X	0	0	0	%100
132	M164	Z	-.933	-.933	0	%100
133	M165	X	0	0	0	%100
134	M165	Z	-3.262	-3.262	0	%100
135	M158A	X	0	0	0	%100
136	M158A	Z	-.784	-.784	0	%100
137	M159A	X	0	0	0	%100
138	M159A	Z	-.784	-.784	0	%100
139	OVP	X	0	0	0	%100
140	OVP	Z	-2.593	-2.593	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	M4	X	.325	.325	0	%100
2	M4	Z	-.563	-.563	0	%100
3	M5	X	.395	.395	0	%100
4	M5	Z	-.685	-.685	0	%100
5	M10	X	.325	.325	0	%100
6	M10	Z	-.563	-.563	0	%100
7	M11	X	.395	.395	0	%100
8	M11	Z	-.685	-.685	0	%100
9	M16	X	1.3	1.3	0	%100
10	M16	Z	-2.251	-2.251	0	%100
11	M17	X	1.582	1.582	0	%100
12	M17	Z	-2.74	-2.74	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	1.176	1.176	0	%100
16	M19	Z	-2.036	-2.036	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	1.176	1.176	0	%100
20	M21	Z	-2.036	-2.036	0	%100
21	M22	X	1.149	1.149	0	%100
22	M22	Z	-1.99	-1.99	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	1.149	1.149	0	%100
26	M24	Z	-1.99	-1.99	0	%100
27	M25	X	1.176	1.176	0	%100
28	M25	Z	-2.036	-2.036	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	1.176	1.176	0	%100
32	M27	Z	-2.036	-2.036	0	%100
33	M28	X	.3	.3	0	%100
34	M28	Z	-.52	-.52	0	%100
35	M29	X	.298	.298	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.%]
36	M29	Z	-.516	-.516	0	%100
37	M30	X	1.196	1.196	0	%100
38	M30	Z	-2.071	-2.071	0	%100
39	M31	X	1.196	1.196	0	%100
40	M31	Z	-2.071	-2.071	0	%100
41	M32	X	.298	.298	0	%100
42	M32	Z	-.516	-.516	0	%100
43	M33	X	.3	.3	0	%100
44	M33	Z	-.52	-.52	0	%100
45	M38	X	.392	.392	0	%100
46	M38	Z	-.679	-.679	0	%100
47	M39	X	.291	.291	0	%100
48	M39	Z	-.505	-.505	0	%100
49	M44	X	.392	.392	0	%100
50	M44	Z	-.679	-.679	0	%100
51	M45	X	.291	.291	0	%100
52	M45	Z	-.505	-.505	0	%100
53	M50	X	1.569	1.569	0	%100
54	M50	Z	-2.717	-2.717	0	%100
55	M51	X	1.166	1.166	0	%100
56	M51	Z	-2.019	-2.019	0	%100
57	MP5A	X	1.417	1.417	0	%100
58	MP5A	Z	-2.454	-2.454	0	%100
59	MP4A	X	1.417	1.417	0	%100
60	MP4A	Z	-2.454	-2.454	0	%100
61	MP3A	X	1.417	1.417	0	%100
62	MP3A	Z	-2.454	-2.454	0	%100
63	MP2A	X	1.417	1.417	0	%100
64	MP2A	Z	-2.454	-2.454	0	%100
65	MP1A	X	1.417	1.417	0	%100
66	MP1A	Z	-2.454	-2.454	0	%100
67	MP5C	X	1.417	1.417	0	%100
68	MP5C	Z	-2.454	-2.454	0	%100
69	MP4C	X	1.417	1.417	0	%100
70	MP4C	Z	-2.454	-2.454	0	%100
71	MP3C	X	1.417	1.417	0	%100
72	MP3C	Z	-2.454	-2.454	0	%100
73	MP2C	X	1.417	1.417	0	%100
74	MP2C	Z	-2.454	-2.454	0	%100
75	MP1C	X	1.417	1.417	0	%100
76	MP1C	Z	-2.454	-2.454	0	%100
77	MP5B	X	1.417	1.417	0	%100
78	MP5B	Z	-2.454	-2.454	0	%100
79	MP4B	X	1.417	1.417	0	%100
80	MP4B	Z	-2.454	-2.454	0	%100
81	MP3B	X	1.417	1.417	0	%100
82	MP3B	Z	-2.454	-2.454	0	%100
83	MP2B	X	1.417	1.417	0	%100
84	MP2B	Z	-2.454	-2.454	0	%100
85	MP1B	X	1.417	1.417	0	%100
86	MP1B	Z	-2.454	-2.454	0	%100
87	M122A	X	1.688	1.688	0	%100
88	M122A	Z	-2.924	-2.924	0	%100
89	M123A	X	1.688	1.688	0	%100
90	M123A	Z	-2.924	-2.924	0	%100
91	M128	X	.241	.241	0	%100
92	M128	Z	-.417	-.417	0	%100
93	M129	X	.239	.239	0	%100
94	M129	Z	-.413	-.413	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, %]
95	M138	X	.239	.239	0	%100
96	M138	Z	-.413	-.413	0	%100
97	M141	X	.241	.241	0	%100
98	M141	Z	-.417	-.417	0	%100
99	M150	X	.959	.959	0	%100
100	M150	Z	-1.66	-1.66	0	%100
101	M153	X	.959	.959	0	%100
102	M153	Z	-1.66	-1.66	0	%100
103	M100A	X	1.176	1.176	0	%100
104	M100A	Z	-2.036	-2.036	0	%100
105	M124A	X	1.268	1.268	0	%100
106	M124A	Z	-2.196	-2.196	0	%100
107	M125A	X	0	0	0	%100
108	M125A	Z	0	0	0	%100
109	M126	X	1.268	1.268	0	%100
110	M126	Z	-2.196	-2.196	0	%100
111	M133	X	1.176	1.176	0	%100
112	M133	Z	-2.036	-2.036	0	%100
113	M141A	X	1.176	1.176	0	%100
114	M141A	Z	-2.036	-2.036	0	%100
115	M149A	X	0	0	0	%100
116	M149A	Z	0	0	0	%100
117	M157	X	1.268	1.268	0	%100
118	M157	Z	-2.196	-2.196	0	%100
119	M158	X	0	0	0	%100
120	M158	Z	0	0	0	%100
121	M159	X	1.268	1.268	0	%100
122	M159	Z	-2.196	-2.196	0	%100
123	M160	X	.608	.608	0	%100
124	M160	Z	-1.054	-1.054	0	%100
125	M161	X	1.773	1.773	0	%100
126	M161	Z	-3.071	-3.071	0	%100
127	M162	X	1.773	1.773	0	%100
128	M162	Z	-3.071	-3.071	0	%100
129	M163	X	.608	.608	0	%100
130	M163	Z	-1.054	-1.054	0	%100
131	M164	X	.978	.978	0	%100
132	M164	Z	-1.694	-1.694	0	%100
133	M165	X	.978	.978	0	%100
134	M165	Z	-1.694	-1.694	0	%100
135	M158A	X	1.176	1.176	0	%100
136	M158A	Z	-2.036	-2.036	0	%100
137	M159A	X	0	0	0	%100
138	M159A	Z	0	0	0	%100
139	OVP	X	1.296	1.296	0	%100
140	OVP	Z	-2.245	-2.245	0	%100

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

	Member Label	Direction	Start Magnitude[$\log_{10}$ ft./yr.]	End Magnitude[$\log_{10}$ ft./yr.]	Start Location[ft.]	End Location[ft.]
1	M4	X	1.688	1.688	0	%100
2	M4	Z	-0.975	-0.975	0	%100
3	M5	X	2.055	2.055	0	%100
4	M5	Z	-1.186	-1.186	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	1.688	1.688	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, %]
10	M16	Z	-.975	-.975	0	%100
11	M17	X	2.055	2.055	0	%100
12	M17	Z	-1.186	-1.186	0	%100
13	M18	X	.975	.975	0	%100
14	M18	Z	-.563	-.563	0	%100
15	M19	X	2.715	2.715	0	%100
16	M19	Z	-1.568	-1.568	0	%100
17	M20	X	.679	.679	0	%100
18	M20	Z	-.392	-.392	0	%100
19	M21	X	.679	.679	0	%100
20	M21	Z	-.392	-.392	0	%100
21	M22	X	2.654	2.654	0	%100
22	M22	Z	-1.532	-1.532	0	%100
23	M23	X	.663	.663	0	%100
24	M23	Z	-.383	-.383	0	%100
25	M24	X	.663	.663	0	%100
26	M24	Z	-.383	-.383	0	%100
27	M25	X	2.715	2.715	0	%100
28	M25	Z	-1.568	-1.568	0	%100
29	M26	X	.679	.679	0	%100
30	M26	Z	-.392	-.392	0	%100
31	M27	X	.679	.679	0	%100
32	M27	Z	-.392	-.392	0	%100
33	M28	X	1.555	1.555	0	%100
34	M28	Z	-.898	-.898	0	%100
35	M29	X	3e-6	3e-6	0	%100
36	M29	Z	-2e-6	-2e-6	0	%100
37	M30	X	1.551	1.551	0	%100
38	M30	Z	-.896	-.896	0	%100
39	M31	X	1.555	1.555	0	%100
40	M31	Z	-.898	-.898	0	%100
41	M32	X	1.551	1.551	0	%100
42	M32	Z	-.896	-.896	0	%100
43	M33	X	3e-6	3e-6	0	%100
44	M33	Z	-2e-6	-2e-6	0	%100
45	M38	X	2.038	2.038	0	%100
46	M38	Z	-1.177	-1.177	0	%100
47	M39	X	1.514	1.514	0	%100
48	M39	Z	-.874	-.874	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	2.038	2.038	0	%100
54	M50	Z	-1.177	-1.177	0	%100
55	M51	X	1.514	1.514	0	%100
56	M51	Z	-.874	-.874	0	%100
57	MP5A	X	2.454	2.454	0	%100
58	MP5A	Z	-1.417	-1.417	0	%100
59	MP4A	X	2.454	2.454	0	%100
60	MP4A	Z	-1.417	-1.417	0	%100
61	MP3A	X	2.454	2.454	0	%100
62	MP3A	Z	-1.417	-1.417	0	%100
63	MP2A	X	2.454	2.454	0	%100
64	MP2A	Z	-1.417	-1.417	0	%100
65	MP1A	X	2.454	2.454	0	%100
66	MP1A	Z	-1.417	-1.417	0	%100
67	MP5C	X	2.454	2.454	0	%100
68	MP5C	Z	-1.417	-1.417	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.%]
69	MP4C	X	2.454	2.454	0	%100
70	MP4C	Z	-1.417	-1.417	0	%100
71	MP3C	X	2.454	2.454	0	%100
72	MP3C	Z	-1.417	-1.417	0	%100
73	MP2C	X	2.454	2.454	0	%100
74	MP2C	Z	-1.417	-1.417	0	%100
75	MP1C	X	2.454	2.454	0	%100
76	MP1C	Z	-1.417	-1.417	0	%100
77	MP5B	X	2.454	2.454	0	%100
78	MP5B	Z	-1.417	-1.417	0	%100
79	MP4B	X	2.454	2.454	0	%100
80	MP4B	Z	-1.417	-1.417	0	%100
81	MP3B	X	2.454	2.454	0	%100
82	MP3B	Z	-1.417	-1.417	0	%100
83	MP2B	X	2.454	2.454	0	%100
84	MP2B	Z	-1.417	-1.417	0	%100
85	MP1B	X	2.454	2.454	0	%100
86	MP1B	Z	-1.417	-1.417	0	%100
87	M122A	X	.975	.975	0	%100
88	M122A	Z	-.563	-.563	0	%100
89	M123A	X	3.898	3.898	0	%100
90	M123A	Z	-2.251	-2.251	0	%100
91	M128	X	1.247	1.247	0	%100
92	M128	Z	-.72	-.72	0	%100
93	M129	X	1.244	1.244	0	%100
94	M129	Z	-.718	-.718	0	%100
95	M138	X	2e-6	2e-6	0	%100
96	M138	Z	-1e-6	-1e-6	0	%100
97	M141	X	2e-6	2e-6	0	%100
98	M141	Z	-1e-6	-1e-6	0	%100
99	M150	X	1.244	1.244	0	%100
100	M150	Z	-.718	-.718	0	%100
101	M153	X	1.247	1.247	0	%100
102	M153	Z	-.72	-.72	0	%100
103	M100A	X	.679	.679	0	%100
104	M100A	Z	-.392	-.392	0	%100
105	M124A	X	2.928	2.928	0	%100
106	M124A	Z	-1.691	-1.691	0	%100
107	M125A	X	.732	.732	0	%100
108	M125A	Z	-.423	-.423	0	%100
109	M126	X	.732	.732	0	%100
110	M126	Z	-.423	-.423	0	%100
111	M133	X	.679	.679	0	%100
112	M133	Z	-.392	-.392	0	%100
113	M141A	X	2.715	2.715	0	%100
114	M141A	Z	-1.568	-1.568	0	%100
115	M149A	X	.679	.679	0	%100
116	M149A	Z	-.392	-.392	0	%100
117	M157	X	2.928	2.928	0	%100
118	M157	Z	-1.691	-1.691	0	%100
119	M158	X	.732	.732	0	%100
120	M158	Z	-.423	-.423	0	%100
121	M159	X	.732	.732	0	%100
122	M159	Z	-.423	-.423	0	%100
123	M160	X	.808	.808	0	%100
124	M160	Z	-.467	-.467	0	%100
125	M161	X	2.825	2.825	0	%100
126	M161	Z	-1.631	-1.631	0	%100
127	M162	X	2.185	2.185	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.%]
128	M162	Z	-1.261	-1.261	0	%100
129	M163	X	2.185	2.185	0	%100
130	M163	Z	-1.261	-1.261	0	%100
131	M164	X	2.825	2.825	0	%100
132	M164	Z	-1.631	-1.631	0	%100
133	M165	X	.808	.808	0	%100
134	M165	Z	-.467	-.467	0	%100
135	M158A	X	2.715	2.715	0	%100
136	M158A	Z	-1.568	-1.568	0	%100
137	M159A	X	.679	.679	0	%100
138	M159A	Z	-.392	-.392	0	%100
139	OVP	X	2.245	2.245	0	%100
140	OVP	Z	-1.296	-1.296	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	M4	X	2.599	2.599	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	3.164	3.164	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	.65	.65	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	.791	.791	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	.65	.65	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	.791	.791	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	3.376	3.376	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	2.351	2.351	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	2.351	2.351	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	2.298	2.298	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	2.298	2.298	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	2.351	2.351	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	2.351	2.351	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	2.391	2.391	0	%100
34	M28	Z	0	0	0	%100
35	M29	X	.6	.6	0	%100
36	M29	Z	0	0	0	%100
37	M30	X	.595	.595	0	%100
38	M30	Z	0	0	0	%100
39	M31	X	.6	.6	0	%100
40	M31	Z	0	0	0	%100
41	M32	X	2.391	2.391	0	%100
42	M32	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
43	M33	X	.595	.595	0	%100
44	M33	Z	0	0	0	%100
45	M38	X	3.138	3.138	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	2.331	2.331	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	.784	.784	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	.583	.583	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	.784	.784	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	.583	.583	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	2.834	2.834	0	%100
58	MP5A	Z	0	0	0	%100
59	MP4A	X	2.834	2.834	0	%100
60	MP4A	Z	0	0	0	%100
61	MP3A	X	2.834	2.834	0	%100
62	MP3A	Z	0	0	0	%100
63	MP2A	X	2.834	2.834	0	%100
64	MP2A	Z	0	0	0	%100
65	MP1A	X	2.834	2.834	0	%100
66	MP1A	Z	0	0	0	%100
67	MP5C	X	2.834	2.834	0	%100
68	MP5C	Z	0	0	0	%100
69	MP4C	X	2.834	2.834	0	%100
70	MP4C	Z	0	0	0	%100
71	MP3C	X	2.834	2.834	0	%100
72	MP3C	Z	0	0	0	%100
73	MP2C	X	2.834	2.834	0	%100
74	MP2C	Z	0	0	0	%100
75	MP1C	X	2.834	2.834	0	%100
76	MP1C	Z	0	0	0	%100
77	MP5B	X	2.834	2.834	0	%100
78	MP5B	Z	0	0	0	%100
79	MP4B	X	2.834	2.834	0	%100
80	MP4B	Z	0	0	0	%100
81	MP3B	X	2.834	2.834	0	%100
82	MP3B	Z	0	0	0	%100
83	MP2B	X	2.834	2.834	0	%100
84	MP2B	Z	0	0	0	%100
85	MP1B	X	2.834	2.834	0	%100
86	MP1B	Z	0	0	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	0	0	0	%100
89	M123A	X	3.376	3.376	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	1.917	1.917	0	%100
92	M128	Z	0	0	0	%100
93	M129	X	1.917	1.917	0	%100
94	M129	Z	0	0	0	%100
95	M138	X	.481	.481	0	%100
96	M138	Z	0	0	0	%100
97	M141	X	.477	.477	0	%100
98	M141	Z	0	0	0	%100
99	M150	X	.477	.477	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	.481	.481	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,%]
102	M153	Z	0	0	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	0	0	0	%100
105	M124A	X	2.536	2.536	0	%100
106	M124A	Z	0	0	0	%100
107	M125A	X	2.536	2.536	0	%100
108	M125A	Z	0	0	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	0	0	0	%100
111	M133	X	0	0	0	%100
112	M133	Z	0	0	0	%100
113	M141A	X	2.351	2.351	0	%100
114	M141A	Z	0	0	0	%100
115	M149A	X	2.351	2.351	0	%100
116	M149A	Z	0	0	0	%100
117	M157	X	2.536	2.536	0	%100
118	M157	Z	0	0	0	%100
119	M158	X	2.536	2.536	0	%100
120	M158	Z	0	0	0	%100
121	M159	X	0	0	0	%100
122	M159	Z	0	0	0	%100
123	M160	X	1.956	1.956	0	%100
124	M160	Z	0	0	0	%100
125	M161	X	1.956	1.956	0	%100
126	M161	Z	0	0	0	%100
127	M162	X	1.217	1.217	0	%100
128	M162	Z	0	0	0	%100
129	M163	X	3.546	3.546	0	%100
130	M163	Z	0	0	0	%100
131	M164	X	3.546	3.546	0	%100
132	M164	Z	0	0	0	%100
133	M165	X	1.217	1.217	0	%100
134	M165	Z	0	0	0	%100
135	M158A	X	2.351	2.351	0	%100
136	M158A	Z	0	0	0	%100
137	M159A	X	2.351	2.351	0	%100
138	M159A	Z	0	0	0	%100
139	OVP	X	2.593	2.593	0	%100
140	OVP	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	M4	X	1.688	1.688	0	%100
2	M4	Z	.975	.975	0	%100
3	M5	X	2.055	2.055	0	%100
4	M5	Z	1.186	1.186	0	%100
5	M10	X	1.688	1.688	0	%100
6	M10	Z	.975	.975	0	%100
7	M11	X	2.055	2.055	0	%100
8	M11	Z	1.186	1.186	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	3.898	3.898	0	%100
14	M18	Z	2.251	2.251	0	%100
15	M19	X	.679	.679	0	%100
16	M19	Z	.392	.392	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, %]
17	M20	X	2.715	2.715	0	%100
18	M20	Z	1.568	1.568	0	%100
19	M21	X	.679	.679	0	%100
20	M21	Z	.392	.392	0	%100
21	M22	X	.663	.663	0	%100
22	M22	Z	.383	.383	0	%100
23	M23	X	2.654	2.654	0	%100
24	M23	Z	1.532	1.532	0	%100
25	M24	X	.663	.663	0	%100
26	M24	Z	.383	.383	0	%100
27	M25	X	.679	.679	0	%100
28	M25	Z	.392	.392	0	%100
29	M26	X	2.715	2.715	0	%100
30	M26	Z	1.568	1.568	0	%100
31	M27	X	.679	.679	0	%100
32	M27	Z	.392	.392	0	%100
33	M28	X	1.551	1.551	0	%100
34	M28	Z	.896	.896	0	%100
35	M29	X	1.555	1.555	0	%100
36	M29	Z	.898	.898	0	%100
37	M30	X	3e-6	3e-6	0	%100
38	M30	Z	2e-6	2e-6	0	%100
39	M31	X	3e-6	3e-6	0	%100
40	M31	Z	2e-6	2e-6	0	%100
41	M32	X	1.555	1.555	0	%100
42	M32	Z	.898	.898	0	%100
43	M33	X	1.551	1.551	0	%100
44	M33	Z	.896	.896	0	%100
45	M38	X	2.038	2.038	0	%100
46	M38	Z	1.177	1.177	0	%100
47	M39	X	1.514	1.514	0	%100
48	M39	Z	.874	.874	0	%100
49	M44	X	2.038	2.038	0	%100
50	M44	Z	1.177	1.177	0	%100
51	M45	X	1.514	1.514	0	%100
52	M45	Z	.874	.874	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	2.454	2.454	0	%100
58	MP5A	Z	1.417	1.417	0	%100
59	MP4A	X	2.454	2.454	0	%100
60	MP4A	Z	1.417	1.417	0	%100
61	MP3A	X	2.454	2.454	0	%100
62	MP3A	Z	1.417	1.417	0	%100
63	MP2A	X	2.454	2.454	0	%100
64	MP2A	Z	1.417	1.417	0	%100
65	MP1A	X	2.454	2.454	0	%100
66	MP1A	Z	1.417	1.417	0	%100
67	MP5C	X	2.454	2.454	0	%100
68	MP5C	Z	1.417	1.417	0	%100
69	MP4C	X	2.454	2.454	0	%100
70	MP4C	Z	1.417	1.417	0	%100
71	MP3C	X	2.454	2.454	0	%100
72	MP3C	Z	1.417	1.417	0	%100
73	MP2C	X	2.454	2.454	0	%100
74	MP2C	Z	1.417	1.417	0	%100
75	MP1C	X	2.454	2.454	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.%]
76	MP1C	Z	1.417	1.417	0	%100
77	MP5B	X	2.454	2.454	0	%100
78	MP5B	Z	1.417	1.417	0	%100
79	MP4B	X	2.454	2.454	0	%100
80	MP4B	Z	1.417	1.417	0	%100
81	MP3B	X	2.454	2.454	0	%100
82	MP3B	Z	1.417	1.417	0	%100
83	MP2B	X	2.454	2.454	0	%100
84	MP2B	Z	1.417	1.417	0	%100
85	MP1B	X	2.454	2.454	0	%100
86	MP1B	Z	1.417	1.417	0	%100
87	M122A	X	.975	.975	0	%100
88	M122A	Z	.563	.563	0	%100
89	M123A	X	.975	.975	0	%100
90	M123A	Z	.563	.563	0	%100
91	M128	X	1.244	1.244	0	%100
92	M128	Z	.718	.718	0	%100
93	M129	X	1.247	1.247	0	%100
94	M129	Z	.72	.72	0	%100
95	M138	X	1.247	1.247	0	%100
96	M138	Z	.72	.72	0	%100
97	M141	X	1.244	1.244	0	%100
98	M141	Z	.718	.718	0	%100
99	M150	X	2e-6	2e-6	0	%100
100	M150	Z	1e-6	1e-6	0	%100
101	M153	X	2e-6	2e-6	0	%100
102	M153	Z	1e-6	1e-6	0	%100
103	M100A	X	.679	.679	0	%100
104	M100A	Z	.392	.392	0	%100
105	M124A	X	.732	.732	0	%100
106	M124A	Z	.423	.423	0	%100
107	M125A	X	2.928	2.928	0	%100
108	M125A	Z	1.691	1.691	0	%100
109	M126	X	.732	.732	0	%100
110	M126	Z	.423	.423	0	%100
111	M133	X	.679	.679	0	%100
112	M133	Z	.392	.392	0	%100
113	M141A	X	.679	.679	0	%100
114	M141A	Z	.392	.392	0	%100
115	M149A	X	2.715	2.715	0	%100
116	M149A	Z	1.568	1.568	0	%100
117	M157	X	.732	.732	0	%100
118	M157	Z	.423	.423	0	%100
119	M158	X	2.928	2.928	0	%100
120	M158	Z	1.691	1.691	0	%100
121	M159	X	.732	.732	0	%100
122	M159	Z	.423	.423	0	%100
123	M160	X	2.825	2.825	0	%100
124	M160	Z	1.631	1.631	0	%100
125	M161	X	.808	.808	0	%100
126	M161	Z	.467	.467	0	%100
127	M162	X	.808	.808	0	%100
128	M162	Z	.467	.467	0	%100
129	M163	X	2.825	2.825	0	%100
130	M163	Z	1.631	1.631	0	%100
131	M164	X	2.185	2.185	0	%100
132	M164	Z	1.261	1.261	0	%100
133	M165	X	2.185	2.185	0	%100
134	M165	Z	1.261	1.261	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.%]
135	M158A	X	.679	.679	0	%100
136	M158A	Z	.392	.392	0	%100
137	M159A	X	2.715	2.715	0	%100
138	M159A	Z	1.568	1.568	0	%100
139	OVP	X	2.245	2.245	0	%100
140	OVP	Z	1.296	1.296	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	M4	X	.325	.325	0	%100
2	M4	Z	.563	.563	0	%100
3	M5	X	.395	.395	0	%100
4	M5	Z	.685	.685	0	%100
5	M10	X	1.3	1.3	0	%100
6	M10	Z	2.251	2.251	0	%100
7	M11	X	1.582	1.582	0	%100
8	M11	Z	2.74	2.74	0	%100
9	M16	X	.325	.325	0	%100
10	M16	Z	.563	.563	0	%100
11	M17	X	.395	.395	0	%100
12	M17	Z	.685	.685	0	%100
13	M18	X	1.688	1.688	0	%100
14	M18	Z	2.924	2.924	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	1.176	1.176	0	%100
18	M20	Z	2.036	2.036	0	%100
19	M21	X	1.176	1.176	0	%100
20	M21	Z	2.036	2.036	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	1.149	1.149	0	%100
24	M23	Z	1.99	1.99	0	%100
25	M24	X	1.149	1.149	0	%100
26	M24	Z	1.99	1.99	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	1.176	1.176	0	%100
30	M26	Z	2.036	2.036	0	%100
31	M27	X	1.176	1.176	0	%100
32	M27	Z	2.036	2.036	0	%100
33	M28	X	.298	.298	0	%100
34	M28	Z	.516	.516	0	%100
35	M29	X	1.196	1.196	0	%100
36	M29	Z	2.071	2.071	0	%100
37	M30	X	.3	.3	0	%100
38	M30	Z	.52	.52	0	%100
39	M31	X	.298	.298	0	%100
40	M31	Z	.516	.516	0	%100
41	M32	X	.3	.3	0	%100
42	M32	Z	.52	.52	0	%100
43	M33	X	1.196	1.196	0	%100
44	M33	Z	2.071	2.071	0	%100
45	M38	X	.392	.392	0	%100
46	M38	Z	.679	.679	0	%100
47	M39	X	.291	.291	0	%100
48	M39	Z	.505	.505	0	%100
49	M44	X	1.569	1.569	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.%]
50	M44	Z	2.717	2.717	0	%100
51	M45	X	1.166	1.166	0	%100
52	M45	Z	2.019	2.019	0	%100
53	M50	X	.392	.392	0	%100
54	M50	Z	.679	.679	0	%100
55	M51	X	.291	.291	0	%100
56	M51	Z	.505	.505	0	%100
57	MP5A	X	1.417	1.417	0	%100
58	MP5A	Z	2.454	2.454	0	%100
59	MP4A	X	1.417	1.417	0	%100
60	MP4A	Z	2.454	2.454	0	%100
61	MP3A	X	1.417	1.417	0	%100
62	MP3A	Z	2.454	2.454	0	%100
63	MP2A	X	1.417	1.417	0	%100
64	MP2A	Z	2.454	2.454	0	%100
65	MP1A	X	1.417	1.417	0	%100
66	MP1A	Z	2.454	2.454	0	%100
67	MP5C	X	1.417	1.417	0	%100
68	MP5C	Z	2.454	2.454	0	%100
69	MP4C	X	1.417	1.417	0	%100
70	MP4C	Z	2.454	2.454	0	%100
71	MP3C	X	1.417	1.417	0	%100
72	MP3C	Z	2.454	2.454	0	%100
73	MP2C	X	1.417	1.417	0	%100
74	MP2C	Z	2.454	2.454	0	%100
75	MP1C	X	1.417	1.417	0	%100
76	MP1C	Z	2.454	2.454	0	%100
77	MP5B	X	1.417	1.417	0	%100
78	MP5B	Z	2.454	2.454	0	%100
79	MP4B	X	1.417	1.417	0	%100
80	MP4B	Z	2.454	2.454	0	%100
81	MP3B	X	1.417	1.417	0	%100
82	MP3B	Z	2.454	2.454	0	%100
83	MP2B	X	1.417	1.417	0	%100
84	MP2B	Z	2.454	2.454	0	%100
85	MP1B	X	1.417	1.417	0	%100
86	MP1B	Z	2.454	2.454	0	%100
87	M122A	X	1.688	1.688	0	%100
88	M122A	Z	2.924	2.924	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	.239	.239	0	%100
92	M128	Z	.413	.413	0	%100
93	M129	X	.241	.241	0	%100
94	M129	Z	.417	.417	0	%100
95	M138	X	.959	.959	0	%100
96	M138	Z	1.66	1.66	0	%100
97	M141	X	.959	.959	0	%100
98	M141	Z	1.66	1.66	0	%100
99	M150	X	.241	.241	0	%100
100	M150	Z	.417	.417	0	%100
101	M153	X	.239	.239	0	%100
102	M153	Z	.413	.413	0	%100
103	M100A	X	1.176	1.176	0	%100
104	M100A	Z	2.036	2.036	0	%100
105	M124A	X	0	0	0	%100
106	M124A	Z	0	0	0	%100
107	M125A	X	1.268	1.268	0	%100
108	M125A	Z	2.196	2.196	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, %]
109	M126	X	1.268	1.268	0	%100
110	M126	Z	2.196	2.196	0	%100
111	M133	X	1.176	1.176	0	%100
112	M133	Z	2.036	2.036	0	%100
113	M141A	X	0	0	0	%100
114	M141A	Z	0	0	0	%100
115	M149A	X	1.176	1.176	0	%100
116	M149A	Z	2.036	2.036	0	%100
117	M157	X	0	0	0	%100
118	M157	Z	0	0	0	%100
119	M158	X	1.268	1.268	0	%100
120	M158	Z	2.196	2.196	0	%100
121	M159	X	1.268	1.268	0	%100
122	M159	Z	2.196	2.196	0	%100
123	M160	X	1.773	1.773	0	%100
124	M160	Z	3.071	3.071	0	%100
125	M161	X	.608	.608	0	%100
126	M161	Z	1.054	1.054	0	%100
127	M162	X	.978	.978	0	%100
128	M162	Z	1.694	1.694	0	%100
129	M163	X	.978	.978	0	%100
130	M163	Z	1.694	1.694	0	%100
131	M164	X	.608	.608	0	%100
132	M164	Z	1.054	1.054	0	%100
133	M165	X	1.773	1.773	0	%100
134	M165	Z	3.071	3.071	0	%100
135	M158A	X	0	0	0	%100
136	M158A	Z	0	0	0	%100
137	M159A	X	1.176	1.176	0	%100
138	M159A	Z	2.036	2.036	0	%100
139	OVP	X	1.296	1.296	0	%100
140	OVP	Z	2.245	2.245	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	1.949	1.949	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	2.373	2.373	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	1.949	1.949	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	2.373	2.373	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	1.125	1.125	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	.784	.784	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	.784	.784	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	3.135	3.135	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	.766	.766	0	%100
23	M23	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, %]
24	M23	Z	.766	.766	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	3.064	3.064	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	.784	.784	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	.784	.784	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	3.135	3.135	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	3e-6	3e-6	0	%100
35	M29	X	0	0	0	%100
36	M29	Z	1.791	1.791	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	1.796	1.796	0	%100
39	M31	X	0	0	0	%100
40	M31	Z	1.791	1.791	0	%100
41	M32	X	0	0	0	%100
42	M32	Z	3e-6	3e-6	0	%100
43	M33	X	0	0	0	%100
44	M33	Z	1.796	1.796	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	0	0	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	2.353	2.353	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	1.749	1.749	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	2.353	2.353	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	1.749	1.749	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	2.834	2.834	0	%100
59	MP4A	X	0	0	0	%100
60	MP4A	Z	2.834	2.834	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	2.834	2.834	0	%100
63	MP2A	X	0	0	0	%100
64	MP2A	Z	2.834	2.834	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	2.834	2.834	0	%100
67	MP5C	X	0	0	0	%100
68	MP5C	Z	2.834	2.834	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	2.834	2.834	0	%100
71	MP3C	X	0	0	0	%100
72	MP3C	Z	2.834	2.834	0	%100
73	MP2C	X	0	0	0	%100
74	MP2C	Z	2.834	2.834	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	2.834	2.834	0	%100
77	MP5B	X	0	0	0	%100
78	MP5B	Z	2.834	2.834	0	%100
79	MP4B	X	0	0	0	%100
80	MP4B	Z	2.834	2.834	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	2.834	2.834	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, %]
83	MP2B	X	0	0	0	%100
84	MP2B	Z	2.834	2.834	0	%100
85	MP1B	X	0	0	0	%100
86	MP1B	Z	2.834	2.834	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	4.501	4.501	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	1.125	1.125	0	%100
91	M128	X	0	0	0	%100
92	M128	Z	2e-6	2e-6	0	%100
93	M129	X	0	0	0	%100
94	M129	Z	2e-6	2e-6	0	%100
95	M138	X	0	0	0	%100
96	M138	Z	1.436	1.436	0	%100
97	M141	X	0	0	0	%100
98	M141	Z	1.44	1.44	0	%100
99	M150	X	0	0	0	%100
100	M150	Z	1.44	1.44	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	1.436	1.436	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	3.135	3.135	0	%100
105	M124A	X	0	0	0	%100
106	M124A	Z	.845	.845	0	%100
107	M125A	X	0	0	0	%100
108	M125A	Z	.845	.845	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	3.381	3.381	0	%100
111	M133	X	0	0	0	%100
112	M133	Z	3.135	3.135	0	%100
113	M141A	X	0	0	0	%100
114	M141A	Z	.784	.784	0	%100
115	M149A	X	0	0	0	%100
116	M149A	Z	.784	.784	0	%100
117	M157	X	0	0	0	%100
118	M157	Z	.845	.845	0	%100
119	M158	X	0	0	0	%100
120	M158	Z	.845	.845	0	%100
121	M159	X	0	0	0	%100
122	M159	Z	3.381	3.381	0	%100
123	M160	X	0	0	0	%100
124	M160	Z	2.523	2.523	0	%100
125	M161	X	0	0	0	%100
126	M161	Z	2.523	2.523	0	%100
127	M162	X	0	0	0	%100
128	M162	Z	3.262	3.262	0	%100
129	M163	X	0	0	0	%100
130	M163	Z	.933	.933	0	%100
131	M164	X	0	0	0	%100
132	M164	Z	.933	.933	0	%100
133	M165	X	0	0	0	%100
134	M165	Z	3.262	3.262	0	%100
135	M158A	X	0	0	0	%100
136	M158A	Z	.784	.784	0	%100
137	M159A	X	0	0	0	%100
138	M159A	Z	.784	.784	0	%100
139	OVP	X	0	0	0	%100
140	OVP	Z	2.593	2.593	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	M4	X	-.325	-.325	0	%100
2	M4	Z	.563	.563	0	%100
3	M5	X	-.395	-.395	0	%100
4	M5	Z	.685	.685	0	%100
5	M10	X	-.325	-.325	0	%100
6	M10	Z	.563	.563	0	%100
7	M11	X	-.395	-.395	0	%100
8	M11	Z	.685	.685	0	%100
9	M16	X	-1.3	-1.3	0	%100
10	M16	Z	2.251	2.251	0	%100
11	M17	X	-1.582	-1.582	0	%100
12	M17	Z	2.74	2.74	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	-1.176	-1.176	0	%100
16	M19	Z	2.036	2.036	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	-1.176	-1.176	0	%100
20	M21	Z	2.036	2.036	0	%100
21	M22	X	-1.149	-1.149	0	%100
22	M22	Z	1.99	1.99	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	-1.149	-1.149	0	%100
26	M24	Z	1.99	1.99	0	%100
27	M25	X	-1.176	-1.176	0	%100
28	M25	Z	2.036	2.036	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	-1.176	-1.176	0	%100
32	M27	Z	2.036	2.036	0	%100
33	M28	X	-.3	-.3	0	%100
34	M28	Z	.52	.52	0	%100
35	M29	X	-.298	-.298	0	%100
36	M29	Z	.516	.516	0	%100
37	M30	X	-1.196	-1.196	0	%100
38	M30	Z	2.071	2.071	0	%100
39	M31	X	-1.196	-1.196	0	%100
40	M31	Z	2.071	2.071	0	%100
41	M32	X	-.298	-.298	0	%100
42	M32	Z	.516	.516	0	%100
43	M33	X	-.3	-.3	0	%100
44	M33	Z	.52	.52	0	%100
45	M38	X	-.392	-.392	0	%100
46	M38	Z	.679	.679	0	%100
47	M39	X	-.291	-.291	0	%100
48	M39	Z	.505	.505	0	%100
49	M44	X	-.392	-.392	0	%100
50	M44	Z	.679	.679	0	%100
51	M45	X	-.291	-.291	0	%100
52	M45	Z	.505	.505	0	%100
53	M50	X	-1.569	-1.569	0	%100
54	M50	Z	2.717	2.717	0	%100
55	M51	X	-1.166	-1.166	0	%100
56	M51	Z	2.019	2.019	0	%100
57	MP5A	X	-1.417	-1.417	0	%100
58	MP5A	Z	2.454	2.454	0	%100
59	MP4A	X	-1.417	-1.417	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	MP4A	Z	2.454	2.454	0	%100
61	MP3A	X	-1.417	-1.417	0	%100
62	MP3A	Z	2.454	2.454	0	%100
63	MP2A	X	-1.417	-1.417	0	%100
64	MP2A	Z	2.454	2.454	0	%100
65	MP1A	X	-1.417	-1.417	0	%100
66	MP1A	Z	2.454	2.454	0	%100
67	MP5C	X	-1.417	-1.417	0	%100
68	MP5C	Z	2.454	2.454	0	%100
69	MP4C	X	-1.417	-1.417	0	%100
70	MP4C	Z	2.454	2.454	0	%100
71	MP3C	X	-1.417	-1.417	0	%100
72	MP3C	Z	2.454	2.454	0	%100
73	MP2C	X	-1.417	-1.417	0	%100
74	MP2C	Z	2.454	2.454	0	%100
75	MP1C	X	-1.417	-1.417	0	%100
76	MP1C	Z	2.454	2.454	0	%100
77	MP5B	X	-1.417	-1.417	0	%100
78	MP5B	Z	2.454	2.454	0	%100
79	MP4B	X	-1.417	-1.417	0	%100
80	MP4B	Z	2.454	2.454	0	%100
81	MP3B	X	-1.417	-1.417	0	%100
82	MP3B	Z	2.454	2.454	0	%100
83	MP2B	X	-1.417	-1.417	0	%100
84	MP2B	Z	2.454	2.454	0	%100
85	MP1B	X	-1.417	-1.417	0	%100
86	MP1B	Z	2.454	2.454	0	%100
87	M122A	X	-1.688	-1.688	0	%100
88	M122A	Z	2.924	2.924	0	%100
89	M123A	X	-1.688	-1.688	0	%100
90	M123A	Z	2.924	2.924	0	%100
91	M128	X	-.241	-.241	0	%100
92	M128	Z	.417	.417	0	%100
93	M129	X	-.239	-.239	0	%100
94	M129	Z	.413	.413	0	%100
95	M138	X	-.239	-.239	0	%100
96	M138	Z	.413	.413	0	%100
97	M141	X	-.241	-.241	0	%100
98	M141	Z	.417	.417	0	%100
99	M150	X	-.959	-.959	0	%100
100	M150	Z	1.66	1.66	0	%100
101	M153	X	-.959	-.959	0	%100
102	M153	Z	1.66	1.66	0	%100
103	M100A	X	-1.176	-1.176	0	%100
104	M100A	Z	2.036	2.036	0	%100
105	M124A	X	-1.268	-1.268	0	%100
106	M124A	Z	2.196	2.196	0	%100
107	M125A	X	0	0	0	%100
108	M125A	Z	0	0	0	%100
109	M126	X	-1.268	-1.268	0	%100
110	M126	Z	2.196	2.196	0	%100
111	M133	X	-1.176	-1.176	0	%100
112	M133	Z	2.036	2.036	0	%100
113	M141A	X	-1.176	-1.176	0	%100
114	M141A	Z	2.036	2.036	0	%100
115	M149A	X	0	0	0	%100
116	M149A	Z	0	0	0	%100
117	M157	X	-1.268	-1.268	0	%100
118	M157	Z	2.196	2.196	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, %]
119	M158	X	0	0	0	%100
120	M158	Z	0	0	0	%100
121	M159	X	-1.268	-1.268	0	%100
122	M159	Z	2.196	2.196	0	%100
123	M160	X	-.608	-.608	0	%100
124	M160	Z	1.054	1.054	0	%100
125	M161	X	-1.773	-1.773	0	%100
126	M161	Z	3.071	3.071	0	%100
127	M162	X	-1.773	-1.773	0	%100
128	M162	Z	3.071	3.071	0	%100
129	M163	X	-.608	-.608	0	%100
130	M163	Z	1.054	1.054	0	%100
131	M164	X	-.978	-.978	0	%100
132	M164	Z	1.694	1.694	0	%100
133	M165	X	-.978	-.978	0	%100
134	M165	Z	1.694	1.694	0	%100
135	M158A	X	-1.176	-1.176	0	%100
136	M158A	Z	2.036	2.036	0	%100
137	M159A	X	0	0	0	%100
138	M159A	Z	0	0	0	%100
139	OVP	X	-1.296	-1.296	0	%100
140	OVP	Z	2.245	2.245	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	M4	X	-1.688	-1.688	0	%100
2	M4	Z	.975	.975	0	%100
3	M5	X	-2.055	-2.055	0	%100
4	M5	Z	1.186	1.186	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-1.688	-1.688	0	%100
10	M16	Z	.975	.975	0	%100
11	M17	X	-2.055	-2.055	0	%100
12	M17	Z	1.186	1.186	0	%100
13	M18	X	-.975	-.975	0	%100
14	M18	Z	.563	.563	0	%100
15	M19	X	-2.715	-2.715	0	%100
16	M19	Z	1.568	1.568	0	%100
17	M20	X	-.679	-.679	0	%100
18	M20	Z	.392	.392	0	%100
19	M21	X	-.679	-.679	0	%100
20	M21	Z	.392	.392	0	%100
21	M22	X	-2.654	-2.654	0	%100
22	M22	Z	1.532	1.532	0	%100
23	M23	X	-.663	-.663	0	%100
24	M23	Z	.383	.383	0	%100
25	M24	X	-.663	-.663	0	%100
26	M24	Z	.383	.383	0	%100
27	M25	X	-2.715	-2.715	0	%100
28	M25	Z	1.568	1.568	0	%100
29	M26	X	-.679	-.679	0	%100
30	M26	Z	.392	.392	0	%100
31	M27	X	-.679	-.679	0	%100
32	M27	Z	.392	.392	0	%100
33	M28	X	-1.555	-1.555	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft,%]	End Location[ft,%]
34	M28	Z	.898	.898	0	%100
35	M29	X	-3e-6	-3e-6	0	%100
36	M29	Z	2e-6	2e-6	0	%100
37	M30	X	-1.551	-1.551	0	%100
38	M30	Z	.896	.896	0	%100
39	M31	X	-1.555	-1.555	0	%100
40	M31	Z	.898	.898	0	%100
41	M32	X	-1.551	-1.551	0	%100
42	M32	Z	.896	.896	0	%100
43	M33	X	-3e-6	-3e-6	0	%100
44	M33	Z	2e-6	2e-6	0	%100
45	M38	X	-2.038	-2.038	0	%100
46	M38	Z	1.177	1.177	0	%100
47	M39	X	-1.514	-1.514	0	%100
48	M39	Z	.874	.874	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	-2.038	-2.038	0	%100
54	M50	Z	1.177	1.177	0	%100
55	M51	X	-1.514	-1.514	0	%100
56	M51	Z	.874	.874	0	%100
57	MP5A	X	-2.454	-2.454	0	%100
58	MP5A	Z	1.417	1.417	0	%100
59	MP4A	X	-2.454	-2.454	0	%100
60	MP4A	Z	1.417	1.417	0	%100
61	MP3A	X	-2.454	-2.454	0	%100
62	MP3A	Z	1.417	1.417	0	%100
63	MP2A	X	-2.454	-2.454	0	%100
64	MP2A	Z	1.417	1.417	0	%100
65	MP1A	X	-2.454	-2.454	0	%100
66	MP1A	Z	1.417	1.417	0	%100
67	MP5C	X	-2.454	-2.454	0	%100
68	MP5C	Z	1.417	1.417	0	%100
69	MP4C	X	-2.454	-2.454	0	%100
70	MP4C	Z	1.417	1.417	0	%100
71	MP3C	X	-2.454	-2.454	0	%100
72	MP3C	Z	1.417	1.417	0	%100
73	MP2C	X	-2.454	-2.454	0	%100
74	MP2C	Z	1.417	1.417	0	%100
75	MP1C	X	-2.454	-2.454	0	%100
76	MP1C	Z	1.417	1.417	0	%100
77	MP5B	X	-2.454	-2.454	0	%100
78	MP5B	Z	1.417	1.417	0	%100
79	MP4B	X	-2.454	-2.454	0	%100
80	MP4B	Z	1.417	1.417	0	%100
81	MP3B	X	-2.454	-2.454	0	%100
82	MP3B	Z	1.417	1.417	0	%100
83	MP2B	X	-2.454	-2.454	0	%100
84	MP2B	Z	1.417	1.417	0	%100
85	MP1B	X	-2.454	-2.454	0	%100
86	MP1B	Z	1.417	1.417	0	%100
87	M122A	X	-.975	-.975	0	%100
88	M122A	Z	.563	.563	0	%100
89	M123A	X	-3.898	-3.898	0	%100
90	M123A	Z	2.251	2.251	0	%100
91	M128	X	-1.247	-1.247	0	%100
92	M128	Z	.72	.72	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, %]
93	M129	X	-1.244	-1.244	0	%100
94	M129	Z	.718	.718	0	%100
95	M138	X	-2e-6	-2e-6	0	%100
96	M138	Z	1e-6	1e-6	0	%100
97	M141	X	-2e-6	-2e-6	0	%100
98	M141	Z	1e-6	1e-6	0	%100
99	M150	X	-1.244	-1.244	0	%100
100	M150	Z	.718	.718	0	%100
101	M153	X	-1.247	-1.247	0	%100
102	M153	Z	.72	.72	0	%100
103	M100A	X	-.679	-.679	0	%100
104	M100A	Z	.392	.392	0	%100
105	M124A	X	-2.928	-2.928	0	%100
106	M124A	Z	1.691	1.691	0	%100
107	M125A	X	-.732	-.732	0	%100
108	M125A	Z	.423	.423	0	%100
109	M126	X	-.732	-.732	0	%100
110	M126	Z	.423	.423	0	%100
111	M133	X	-.679	-.679	0	%100
112	M133	Z	.392	.392	0	%100
113	M141A	X	-2.715	-2.715	0	%100
114	M141A	Z	1.568	1.568	0	%100
115	M149A	X	-.679	-.679	0	%100
116	M149A	Z	.392	.392	0	%100
117	M157	X	-2.928	-2.928	0	%100
118	M157	Z	1.691	1.691	0	%100
119	M158	X	-.732	-.732	0	%100
120	M158	Z	.423	.423	0	%100
121	M159	X	-.732	-.732	0	%100
122	M159	Z	.423	.423	0	%100
123	M160	X	-.808	-.808	0	%100
124	M160	Z	.467	.467	0	%100
125	M161	X	-2.825	-2.825	0	%100
126	M161	Z	1.631	1.631	0	%100
127	M162	X	-2.185	-2.185	0	%100
128	M162	Z	1.261	1.261	0	%100
129	M163	X	-2.185	-2.185	0	%100
130	M163	Z	1.261	1.261	0	%100
131	M164	X	-2.825	-2.825	0	%100
132	M164	Z	1.631	1.631	0	%100
133	M165	X	-.808	-.808	0	%100
134	M165	Z	.467	.467	0	%100
135	M158A	X	-2.715	-2.715	0	%100
136	M158A	Z	1.568	1.568	0	%100
137	M159A	X	-.679	-.679	0	%100
138	M159A	Z	.392	.392	0	%100
139	OVP	X	-2.245	-2.245	0	%100
140	OVP	Z	1.296	1.296	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	M4	X	-2.599	-2.599	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	-3.164	-3.164	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	-.65	-.65	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	-.791	-.791	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.%]
8	M11	Z	0	0	0	%100
9	M16	X	-65	-65	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	-.791	-.791	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	-3.376	-3.376	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	-2.351	-2.351	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	-2.351	-2.351	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-2.298	-2.298	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	-2.298	-2.298	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	-2.351	-2.351	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-2.351	-2.351	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	-2.391	-2.391	0	%100
34	M28	Z	0	0	0	%100
35	M29	X	-.6	-.6	0	%100
36	M29	Z	0	0	0	%100
37	M30	X	-.595	-.595	0	%100
38	M30	Z	0	0	0	%100
39	M31	X	-.6	-.6	0	%100
40	M31	Z	0	0	0	%100
41	M32	X	-2.391	-2.391	0	%100
42	M32	Z	0	0	0	%100
43	M33	X	-.595	-.595	0	%100
44	M33	Z	0	0	0	%100
45	M38	X	-3.138	-3.138	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	-2.331	-2.331	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	-.784	-.784	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	-.583	-.583	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	-.784	-.784	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	-.583	-.583	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	-2.834	-2.834	0	%100
58	MP5A	Z	0	0	0	%100
59	MP4A	X	-2.834	-2.834	0	%100
60	MP4A	Z	0	0	0	%100
61	MP3A	X	-2.834	-2.834	0	%100
62	MP3A	Z	0	0	0	%100
63	MP2A	X	-2.834	-2.834	0	%100
64	MP2A	Z	0	0	0	%100
65	MP1A	X	-2.834	-2.834	0	%100
66	MP1A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
67	MP5C	X	-2.834	-2.834	0	%100
68	MP5C	Z	0	0	0	%100
69	MP4C	X	-2.834	-2.834	0	%100
70	MP4C	Z	0	0	0	%100
71	MP3C	X	-2.834	-2.834	0	%100
72	MP3C	Z	0	0	0	%100
73	MP2C	X	-2.834	-2.834	0	%100
74	MP2C	Z	0	0	0	%100
75	MP1C	X	-2.834	-2.834	0	%100
76	MP1C	Z	0	0	0	%100
77	MP5B	X	-2.834	-2.834	0	%100
78	MP5B	Z	0	0	0	%100
79	MP4B	X	-2.834	-2.834	0	%100
80	MP4B	Z	0	0	0	%100
81	MP3B	X	-2.834	-2.834	0	%100
82	MP3B	Z	0	0	0	%100
83	MP2B	X	-2.834	-2.834	0	%100
84	MP2B	Z	0	0	0	%100
85	MP1B	X	-2.834	-2.834	0	%100
86	MP1B	Z	0	0	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	0	0	0	%100
89	M123A	X	-3.376	-3.376	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	-1.917	-1.917	0	%100
92	M128	Z	0	0	0	%100
93	M129	X	-1.917	-1.917	0	%100
94	M129	Z	0	0	0	%100
95	M138	X	-.481	-.481	0	%100
96	M138	Z	0	0	0	%100
97	M141	X	-.477	-.477	0	%100
98	M141	Z	0	0	0	%100
99	M150	X	-.477	-.477	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	-.481	-.481	0	%100
102	M153	Z	0	0	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	0	0	0	%100
105	M124A	X	-2.536	-2.536	0	%100
106	M124A	Z	0	0	0	%100
107	M125A	X	-2.536	-2.536	0	%100
108	M125A	Z	0	0	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	0	0	0	%100
111	M133	X	0	0	0	%100
112	M133	Z	0	0	0	%100
113	M141A	X	-2.351	-2.351	0	%100
114	M141A	Z	0	0	0	%100
115	M149A	X	-2.351	-2.351	0	%100
116	M149A	Z	0	0	0	%100
117	M157	X	-2.536	-2.536	0	%100
118	M157	Z	0	0	0	%100
119	M158	X	-2.536	-2.536	0	%100
120	M158	Z	0	0	0	%100
121	M159	X	0	0	0	%100
122	M159	Z	0	0	0	%100
123	M160	X	-1.956	-1.956	0	%100
124	M160	Z	0	0	0	%100
125	M161	X	-1.956	-1.956	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, %]
126	M161	Z	0	0	0	%100
127	M162	X	-1.217	-1.217	0	%100
128	M162	Z	0	0	0	%100
129	M163	X	-3.546	-3.546	0	%100
130	M163	Z	0	0	0	%100
131	M164	X	-3.546	-3.546	0	%100
132	M164	Z	0	0	0	%100
133	M165	X	-1.217	-1.217	0	%100
134	M165	Z	0	0	0	%100
135	M158A	X	-2.351	-2.351	0	%100
136	M158A	Z	0	0	0	%100
137	M159A	X	-2.351	-2.351	0	%100
138	M159A	Z	0	0	0	%100
139	OVP	X	-2.593	-2.593	0	%100
140	OVP	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	M4	X	-1.688	-1.688	0	%100
2	M4	Z	-.975	-.975	0	%100
3	M5	X	-2.055	-2.055	0	%100
4	M5	Z	-1.186	-1.186	0	%100
5	M10	X	-1.688	-1.688	0	%100
6	M10	Z	-.975	-.975	0	%100
7	M11	X	-2.055	-2.055	0	%100
8	M11	Z	-1.186	-1.186	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	-3.898	-3.898	0	%100
14	M18	Z	-2.251	-2.251	0	%100
15	M19	X	-.679	-.679	0	%100
16	M19	Z	-.392	-.392	0	%100
17	M20	X	-2.715	-2.715	0	%100
18	M20	Z	-1.568	-1.568	0	%100
19	M21	X	-.679	-.679	0	%100
20	M21	Z	-.392	-.392	0	%100
21	M22	X	-.663	-.663	0	%100
22	M22	Z	-.383	-.383	0	%100
23	M23	X	-2.654	-2.654	0	%100
24	M23	Z	-1.532	-1.532	0	%100
25	M24	X	-.663	-.663	0	%100
26	M24	Z	-.383	-.383	0	%100
27	M25	X	-.679	-.679	0	%100
28	M25	Z	-.392	-.392	0	%100
29	M26	X	-2.715	-2.715	0	%100
30	M26	Z	-1.568	-1.568	0	%100
31	M27	X	-.679	-.679	0	%100
32	M27	Z	-.392	-.392	0	%100
33	M28	X	-1.551	-1.551	0	%100
34	M28	Z	-.896	-.896	0	%100
35	M29	X	-1.555	-1.555	0	%100
36	M29	Z	-.898	-.898	0	%100
37	M30	X	-3e-6	-3e-6	0	%100
38	M30	Z	-2e-6	-2e-6	0	%100
39	M31	X	-3e-6	-3e-6	0	%100
40	M31	Z	-2e-6	-2e-6	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,%]
41	M32	X	-1.555	-1.555	0	%100
42	M32	Z	-.898	-.898	0	%100
43	M33	X	-1.551	-1.551	0	%100
44	M33	Z	-.896	-.896	0	%100
45	M38	X	-2.038	-2.038	0	%100
46	M38	Z	-1.177	-1.177	0	%100
47	M39	X	-1.514	-1.514	0	%100
48	M39	Z	-.874	-.874	0	%100
49	M44	X	-2.038	-2.038	0	%100
50	M44	Z	-1.177	-1.177	0	%100
51	M45	X	-1.514	-1.514	0	%100
52	M45	Z	-.874	-.874	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	-2.454	-2.454	0	%100
58	MP5A	Z	-1.417	-1.417	0	%100
59	MP4A	X	-2.454	-2.454	0	%100
60	MP4A	Z	-1.417	-1.417	0	%100
61	MP3A	X	-2.454	-2.454	0	%100
62	MP3A	Z	-1.417	-1.417	0	%100
63	MP2A	X	-2.454	-2.454	0	%100
64	MP2A	Z	-1.417	-1.417	0	%100
65	MP1A	X	-2.454	-2.454	0	%100
66	MP1A	Z	-1.417	-1.417	0	%100
67	MP5C	X	-2.454	-2.454	0	%100
68	MP5C	Z	-1.417	-1.417	0	%100
69	MP4C	X	-2.454	-2.454	0	%100
70	MP4C	Z	-1.417	-1.417	0	%100
71	MP3C	X	-2.454	-2.454	0	%100
72	MP3C	Z	-1.417	-1.417	0	%100
73	MP2C	X	-2.454	-2.454	0	%100
74	MP2C	Z	-1.417	-1.417	0	%100
75	MP1C	X	-2.454	-2.454	0	%100
76	MP1C	Z	-1.417	-1.417	0	%100
77	MP5B	X	-2.454	-2.454	0	%100
78	MP5B	Z	-1.417	-1.417	0	%100
79	MP4B	X	-2.454	-2.454	0	%100
80	MP4B	Z	-1.417	-1.417	0	%100
81	MP3B	X	-2.454	-2.454	0	%100
82	MP3B	Z	-1.417	-1.417	0	%100
83	MP2B	X	-2.454	-2.454	0	%100
84	MP2B	Z	-1.417	-1.417	0	%100
85	MP1B	X	-2.454	-2.454	0	%100
86	MP1B	Z	-1.417	-1.417	0	%100
87	M122A	X	-.975	-.975	0	%100
88	M122A	Z	-.563	-.563	0	%100
89	M123A	X	-.975	-.975	0	%100
90	M123A	Z	-.563	-.563	0	%100
91	M128	X	-1.244	-1.244	0	%100
92	M128	Z	-.718	-.718	0	%100
93	M129	X	-1.247	-1.247	0	%100
94	M129	Z	-.72	-.72	0	%100
95	M138	X	-1.247	-1.247	0	%100
96	M138	Z	-.72	-.72	0	%100
97	M141	X	-1.244	-1.244	0	%100
98	M141	Z	-.718	-.718	0	%100
99	M150	X	-2e-6	-2e-6	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, %]
100	M150	Z	-1e-6	-1e-6	0	%100
101	M153	X	-2e-6	-2e-6	0	%100
102	M153	Z	-1e-6	-1e-6	0	%100
103	M100A	X	-.679	-.679	0	%100
104	M100A	Z	-.392	-.392	0	%100
105	M124A	X	-.732	-.732	0	%100
106	M124A	Z	-.423	-.423	0	%100
107	M125A	X	-2.928	-2.928	0	%100
108	M125A	Z	-1.691	-1.691	0	%100
109	M126	X	-.732	-.732	0	%100
110	M126	Z	-.423	-.423	0	%100
111	M133	X	-.679	-.679	0	%100
112	M133	Z	-.392	-.392	0	%100
113	M141A	X	-.679	-.679	0	%100
114	M141A	Z	-.392	-.392	0	%100
115	M149A	X	-2.715	-2.715	0	%100
116	M149A	Z	-1.568	-1.568	0	%100
117	M157	X	-.732	-.732	0	%100
118	M157	Z	-.423	-.423	0	%100
119	M158	X	-2.928	-2.928	0	%100
120	M158	Z	-1.691	-1.691	0	%100
121	M159	X	-.732	-.732	0	%100
122	M159	Z	-.423	-.423	0	%100
123	M160	X	-2.825	-2.825	0	%100
124	M160	Z	-1.631	-1.631	0	%100
125	M161	X	-.808	-.808	0	%100
126	M161	Z	-.467	-.467	0	%100
127	M162	X	-.808	-.808	0	%100
128	M162	Z	-.467	-.467	0	%100
129	M163	X	-2.825	-2.825	0	%100
130	M163	Z	-1.631	-1.631	0	%100
131	M164	X	-2.185	-2.185	0	%100
132	M164	Z	-1.261	-1.261	0	%100
133	M165	X	-2.185	-2.185	0	%100
134	M165	Z	-1.261	-1.261	0	%100
135	M158A	X	-.679	-.679	0	%100
136	M158A	Z	-.392	-.392	0	%100
137	M159A	X	-2.715	-2.715	0	%100
138	M159A	Z	-1.568	-1.568	0	%100
139	OVP	X	-2.245	-2.245	0	%100
140	OVP	Z	-1.296	-1.296	0	%100

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

	Member Label	Direction	Start Magnitude[μ b/ft,...	End Magnitude[μ b/ft,...	Start Location[ft.%]	End Location[ft.%]
1	M4	X	-325	-325	0	%100
2	M4	Z	-563	-563	0	%100
3	M5	X	-395	-395	0	%100
4	M5	Z	-685	-685	0	%100
5	M10	X	-1.3	-1.3	0	%100
6	M10	Z	-2.251	-2.251	0	%100
7	M11	X	-1.582	-1.582	0	%100
8	M11	Z	-2.74	-2.74	0	%100
9	M16	X	-325	-325	0	%100
10	M16	Z	-563	-563	0	%100
11	M17	X	-395	-395	0	%100
12	M17	Z	-685	-685	0	%100
13	M18	X	-1.688	-1.688	0	%100
14	M18	Z	-2.924	-2.924	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, %]
15	M19	X	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	-1.176	-1.176	0	%100
18	M20	Z	-2.036	-2.036	0	%100
19	M21	X	-1.176	-1.176	0	%100
20	M21	Z	-2.036	-2.036	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	-1.149	-1.149	0	%100
24	M23	Z	-1.99	-1.99	0	%100
25	M24	X	-1.149	-1.149	0	%100
26	M24	Z	-1.99	-1.99	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-1.176	-1.176	0	%100
30	M26	Z	-2.036	-2.036	0	%100
31	M27	X	-1.176	-1.176	0	%100
32	M27	Z	-2.036	-2.036	0	%100
33	M28	X	-.298	-.298	0	%100
34	M28	Z	-.516	-.516	0	%100
35	M29	X	-1.196	-1.196	0	%100
36	M29	Z	-2.071	-2.071	0	%100
37	M30	X	-.3	-.3	0	%100
38	M30	Z	-.52	-.52	0	%100
39	M31	X	-.298	-.298	0	%100
40	M31	Z	-.516	-.516	0	%100
41	M32	X	-.3	-.3	0	%100
42	M32	Z	-.52	-.52	0	%100
43	M33	X	-1.196	-1.196	0	%100
44	M33	Z	-2.071	-2.071	0	%100
45	M38	X	-.392	-.392	0	%100
46	M38	Z	-.679	-.679	0	%100
47	M39	X	-.291	-.291	0	%100
48	M39	Z	-.505	-.505	0	%100
49	M44	X	-1.569	-1.569	0	%100
50	M44	Z	-2.717	-2.717	0	%100
51	M45	X	-1.166	-1.166	0	%100
52	M45	Z	-2.019	-2.019	0	%100
53	M50	X	-.392	-.392	0	%100
54	M50	Z	-.679	-.679	0	%100
55	M51	X	-.291	-.291	0	%100
56	M51	Z	-.505	-.505	0	%100
57	MP5A	X	-1.417	-1.417	0	%100
58	MP5A	Z	-2.454	-2.454	0	%100
59	MP4A	X	-1.417	-1.417	0	%100
60	MP4A	Z	-2.454	-2.454	0	%100
61	MP3A	X	-1.417	-1.417	0	%100
62	MP3A	Z	-2.454	-2.454	0	%100
63	MP2A	X	-1.417	-1.417	0	%100
64	MP2A	Z	-2.454	-2.454	0	%100
65	MP1A	X	-1.417	-1.417	0	%100
66	MP1A	Z	-2.454	-2.454	0	%100
67	MP5C	X	-1.417	-1.417	0	%100
68	MP5C	Z	-2.454	-2.454	0	%100
69	MP4C	X	-1.417	-1.417	0	%100
70	MP4C	Z	-2.454	-2.454	0	%100
71	MP3C	X	-1.417	-1.417	0	%100
72	MP3C	Z	-2.454	-2.454	0	%100
73	MP2C	X	-1.417	-1.417	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.%]
74	MP2C	Z	-2.454	-2.454	0	%100
75	MP1C	X	-1.417	-1.417	0	%100
76	MP1C	Z	-2.454	-2.454	0	%100
77	MP5B	X	-1.417	-1.417	0	%100
78	MP5B	Z	-2.454	-2.454	0	%100
79	MP4B	X	-1.417	-1.417	0	%100
80	MP4B	Z	-2.454	-2.454	0	%100
81	MP3B	X	-1.417	-1.417	0	%100
82	MP3B	Z	-2.454	-2.454	0	%100
83	MP2B	X	-1.417	-1.417	0	%100
84	MP2B	Z	-2.454	-2.454	0	%100
85	MP1B	X	-1.417	-1.417	0	%100
86	MP1B	Z	-2.454	-2.454	0	%100
87	M122A	X	-1.688	-1.688	0	%100
88	M122A	Z	-2.924	-2.924	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	-.239	-.239	0	%100
92	M128	Z	-.413	-.413	0	%100
93	M129	X	-.241	-.241	0	%100
94	M129	Z	-.417	-.417	0	%100
95	M138	X	-.959	-.959	0	%100
96	M138	Z	-1.66	-1.66	0	%100
97	M141	X	-.959	-.959	0	%100
98	M141	Z	-1.66	-1.66	0	%100
99	M150	X	-.241	-.241	0	%100
100	M150	Z	-.417	-.417	0	%100
101	M153	X	-.239	-.239	0	%100
102	M153	Z	-.413	-.413	0	%100
103	M100A	X	-1.176	-1.176	0	%100
104	M100A	Z	-2.036	-2.036	0	%100
105	M124A	X	0	0	0	%100
106	M124A	Z	0	0	0	%100
107	M125A	X	-1.268	-1.268	0	%100
108	M125A	Z	-2.196	-2.196	0	%100
109	M126	X	-1.268	-1.268	0	%100
110	M126	Z	-2.196	-2.196	0	%100
111	M133	X	-1.176	-1.176	0	%100
112	M133	Z	-2.036	-2.036	0	%100
113	M141A	X	0	0	0	%100
114	M141A	Z	0	0	0	%100
115	M149A	X	-1.176	-1.176	0	%100
116	M149A	Z	-2.036	-2.036	0	%100
117	M157	X	0	0	0	%100
118	M157	Z	0	0	0	%100
119	M158	X	-1.268	-1.268	0	%100
120	M158	Z	-2.196	-2.196	0	%100
121	M159	X	-1.268	-1.268	0	%100
122	M159	Z	-2.196	-2.196	0	%100
123	M160	X	-1.773	-1.773	0	%100
124	M160	Z	-3.071	-3.071	0	%100
125	M161	X	-.608	-.608	0	%100
126	M161	Z	-1.054	-1.054	0	%100
127	M162	X	-.978	-.978	0	%100
128	M162	Z	-1.694	-1.694	0	%100
129	M163	X	-.978	-.978	0	%100
130	M163	Z	-1.694	-1.694	0	%100
131	M164	X	-.608	-.608	0	%100
132	M164	Z	-1.054	-1.054	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.%]
133	M165	X	-1.773	-1.773	0	%100
134	M165	Z	-3.071	-3.071	0	%100
135	M158A	X	0	0	0	%100
136	M158A	Z	0	0	0	%100
137	M159A	X	-1.176	-1.176	0	%100
138	M159A	Z	-2.036	-2.036	0	%100
139	OVP	X	-1.296	-1.296	0	%100
140	OVP	Z	-2.245	-2.245	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.398	-.398	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	-.475	-.475	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	-.398	-.398	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	-.475	-.475	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	-.325	-.325	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	-.158	-.158	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	-.158	-.158	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	-.632	-.632	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	-.155	-.155	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	-.155	-.155	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	-.62	-.62	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	-.158	-.158	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	-.158	-.158	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	-.632	-.632	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	-1e-6	-1e-6	0	%100
35	M29	X	0	0	0	%100
36	M29	Z	-.334	-.334	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	-.335	-.335	0	%100
39	M31	X	0	0	0	%100
40	M31	Z	-.334	-.334	0	%100
41	M32	X	0	0	0	%100
42	M32	Z	-1e-6	-1e-6	0	%100
43	M33	X	0	0	0	%100
44	M33	Z	-.335	-.335	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M39	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.%]
48	M39	Z	0	0	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	-.544	-.544	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	-.327	-.327	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	-.544	-.544	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	-.327	-.327	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	-.515	-.515	0	%100
59	MP4A	X	0	0	0	%100
60	MP4A	Z	-.515	-.515	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	-.515	-.515	0	%100
63	MP2A	X	0	0	0	%100
64	MP2A	Z	-.515	-.515	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	-.515	-.515	0	%100
67	MP5C	X	0	0	0	%100
68	MP5C	Z	-.515	-.515	0	%100
69	MP4C	X	0	0	0	%100
70	MP4C	Z	-.515	-.515	0	%100
71	MP3C	X	0	0	0	%100
72	MP3C	Z	-.515	-.515	0	%100
73	MP2C	X	0	0	0	%100
74	MP2C	Z	-.515	-.515	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-.515	-.515	0	%100
77	MP5B	X	0	0	0	%100
78	MP5B	Z	-.515	-.515	0	%100
79	MP4B	X	0	0	0	%100
80	MP4B	Z	-.515	-.515	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	-.515	-.515	0	%100
83	MP2B	X	0	0	0	%100
84	MP2B	Z	-.515	-.515	0	%100
85	MP1B	X	0	0	0	%100
86	MP1B	Z	-.515	-.515	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	-1.301	-1.301	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	-.325	-.325	0	%100
91	M128	X	0	0	0	%100
92	M128	Z	0	0	0	%100
93	M129	X	0	0	0	%100
94	M129	Z	0	0	0	%100
95	M138	X	0	0	0	%100
96	M138	Z	-.272	-.272	0	%100
97	M141	X	0	0	0	%100
98	M141	Z	-.272	-.272	0	%100
99	M150	X	0	0	0	%100
100	M150	Z	-.272	-.272	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	-.272	-.272	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	-.623	-.623	0	%100
105	M124A	X	0	0	0	%100
106	M124A	Z	-.205	-.205	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, %]
107	M125A	X	0	0	0	%100
108	M125A	Z	-.205	-.205	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	-.821	-.821	0	%100
111	M133	X	0	0	0	%100
112	M133	Z	-.623	-.623	0	%100
113	M141A	X	0	0	0	%100
114	M141A	Z	-.156	-.156	0	%100
115	M149A	X	0	0	0	%100
116	M149A	Z	-.156	-.156	0	%100
117	M157	X	0	0	0	%100
118	M157	Z	-.205	-.205	0	%100
119	M158	X	0	0	0	%100
120	M158	Z	-.205	-.205	0	%100
121	M159	X	0	0	0	%100
122	M159	Z	-.821	-.821	0	%100
123	M160	X	0	0	0	%100
124	M160	Z	-.578	-.578	0	%100
125	M161	X	0	0	0	%100
126	M161	Z	-.578	-.578	0	%100
127	M162	X	0	0	0	%100
128	M162	Z	-.748	-.748	0	%100
129	M163	X	0	0	0	%100
130	M163	Z	-.214	-.214	0	%100
131	M164	X	0	0	0	%100
132	M164	Z	-.214	-.214	0	%100
133	M165	X	0	0	0	%100
134	M165	Z	-.748	-.748	0	%100
135	M158A	X	0	0	0	%100
136	M158A	Z	-.156	-.156	0	%100
137	M159A	X	0	0	0	%100
138	M159A	Z	-.156	-.156	0	%100
139	OVP	X	0	0	0	%100
140	OVP	Z	-.469	-.469	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	M4	X	.066	.066	0	%100
2	M4	Z	-.115	-.115	0	%100
3	M5	X	.079	.079	0	%100
4	M5	Z	-.137	-.137	0	%100
5	M10	X	.066	.066	0	%100
6	M10	Z	-.115	-.115	0	%100
7	M11	X	.079	.079	0	%100
8	M11	Z	-.137	-.137	0	%100
9	M16	X	.265	.265	0	%100
10	M16	Z	-.46	-.46	0	%100
11	M17	X	.317	.317	0	%100
12	M17	Z	-.549	-.549	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	.237	.237	0	%100
16	M19	Z	-.411	-.411	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	.237	.237	0	%100
20	M21	Z	-.411	-.411	0	%100
21	M22	X	.232	.232	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.%]
22	M22	Z	-.402	-.402	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	.232	.232	0	%100
26	M24	Z	-.402	-.402	0	%100
27	M25	X	.237	.237	0	%100
28	M25	Z	-.411	-.411	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	.237	.237	0	%100
32	M27	Z	-.411	-.411	0	%100
33	M28	X	.056	.056	0	%100
34	M28	Z	-.097	-.097	0	%100
35	M29	X	.055	.055	0	%100
36	M29	Z	-.096	-.096	0	%100
37	M30	X	.223	.223	0	%100
38	M30	Z	-.386	-.386	0	%100
39	M31	X	.223	.223	0	%100
40	M31	Z	-.386	-.386	0	%100
41	M32	X	.055	.055	0	%100
42	M32	Z	-.096	-.096	0	%100
43	M33	X	.056	.056	0	%100
44	M33	Z	-.097	-.097	0	%100
45	M38	X	.091	.091	0	%100
46	M38	Z	-.157	-.157	0	%100
47	M39	X	.054	.054	0	%100
48	M39	Z	-.094	-.094	0	%100
49	M44	X	.091	.091	0	%100
50	M44	Z	-.157	-.157	0	%100
51	M45	X	.054	.054	0	%100
52	M45	Z	-.094	-.094	0	%100
53	M50	X	.363	.363	0	%100
54	M50	Z	-.629	-.629	0	%100
55	M51	X	.218	.218	0	%100
56	M51	Z	-.377	-.377	0	%100
57	MP5A	X	.257	.257	0	%100
58	MP5A	Z	-.446	-.446	0	%100
59	MP4A	X	.257	.257	0	%100
60	MP4A	Z	-.446	-.446	0	%100
61	MP3A	X	.257	.257	0	%100
62	MP3A	Z	-.446	-.446	0	%100
63	MP2A	X	.257	.257	0	%100
64	MP2A	Z	-.446	-.446	0	%100
65	MP1A	X	.257	.257	0	%100
66	MP1A	Z	-.446	-.446	0	%100
67	MP5C	X	.257	.257	0	%100
68	MP5C	Z	-.446	-.446	0	%100
69	MP4C	X	.257	.257	0	%100
70	MP4C	Z	-.446	-.446	0	%100
71	MP3C	X	.257	.257	0	%100
72	MP3C	Z	-.446	-.446	0	%100
73	MP2C	X	.257	.257	0	%100
74	MP2C	Z	-.446	-.446	0	%100
75	MP1C	X	.257	.257	0	%100
76	MP1C	Z	-.446	-.446	0	%100
77	MP5B	X	.257	.257	0	%100
78	MP5B	Z	-.446	-.446	0	%100
79	MP4B	X	.257	.257	0	%100
80	MP4B	Z	-.446	-.446	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, %]
81	MP3B	X	.257	.257	0	%100
82	MP3B	Z	-.446	-.446	0	%100
83	MP2B	X	.257	.257	0	%100
84	MP2B	Z	-.446	-.446	0	%100
85	MP1B	X	.257	.257	0	%100
86	MP1B	Z	-.446	-.446	0	%100
87	M122A	X	.488	.488	0	%100
88	M122A	Z	-.845	-.845	0	%100
89	M123A	X	.488	.488	0	%100
90	M123A	Z	-.845	-.845	0	%100
91	M128	X	.045	.045	0	%100
92	M128	Z	-.079	-.079	0	%100
93	M129	X	.045	.045	0	%100
94	M129	Z	-.078	-.078	0	%100
95	M138	X	.045	.045	0	%100
96	M138	Z	-.078	-.078	0	%100
97	M141	X	.045	.045	0	%100
98	M141	Z	-.079	-.079	0	%100
99	M150	X	.181	.181	0	%100
100	M150	Z	-.314	-.314	0	%100
101	M153	X	.181	.181	0	%100
102	M153	Z	-.314	-.314	0	%100
103	M100A	X	.234	.234	0	%100
104	M100A	Z	-.405	-.405	0	%100
105	M124A	X	.308	.308	0	%100
106	M124A	Z	-.533	-.533	0	%100
107	M125A	X	0	0	0	%100
108	M125A	Z	0	0	0	%100
109	M126	X	.308	.308	0	%100
110	M126	Z	-.533	-.533	0	%100
111	M133	X	.234	.234	0	%100
112	M133	Z	-.405	-.405	0	%100
113	M141A	X	.234	.234	0	%100
114	M141A	Z	-.405	-.405	0	%100
115	M149A	X	0	0	0	%100
116	M149A	Z	0	0	0	%100
117	M157	X	.308	.308	0	%100
118	M157	Z	-.533	-.533	0	%100
119	M158	X	0	0	0	%100
120	M158	Z	0	0	0	%100
121	M159	X	.308	.308	0	%100
122	M159	Z	-.533	-.533	0	%100
123	M160	X	.139	.139	0	%100
124	M160	Z	-.242	-.242	0	%100
125	M161	X	.407	.407	0	%100
126	M161	Z	-.704	-.704	0	%100
127	M162	X	.407	.407	0	%100
128	M162	Z	-.704	-.704	0	%100
129	M163	X	.139	.139	0	%100
130	M163	Z	-.242	-.242	0	%100
131	M164	X	.224	.224	0	%100
132	M164	Z	-.388	-.388	0	%100
133	M165	X	.224	.224	0	%100
134	M165	Z	-.388	-.388	0	%100
135	M158A	X	.234	.234	0	%100
136	M158A	Z	-.405	-.405	0	%100
137	M159A	X	0	0	0	%100
138	M159A	Z	0	0	0	%100
139	QVP	X	.235	.235	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.%]
140	OVP	Z	-.406	-.406	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	M4	X	.345	.345	0	%100
2	M4	Z	-.199	-.199	0	%100
3	M5	X	.412	.412	0	%100
4	M5	Z	-.238	-.238	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	.345	.345	0	%100
10	M16	Z	-.199	-.199	0	%100
11	M17	X	.412	.412	0	%100
12	M17	Z	-.238	-.238	0	%100
13	M18	X	.282	.282	0	%100
14	M18	Z	-.163	-.163	0	%100
15	M19	X	.548	.548	0	%100
16	M19	Z	-.316	-.316	0	%100
17	M20	X	.137	.137	0	%100
18	M20	Z	-.079	-.079	0	%100
19	M21	X	.137	.137	0	%100
20	M21	Z	-.079	-.079	0	%100
21	M22	X	.537	.537	0	%100
22	M22	Z	-.31	-.31	0	%100
23	M23	X	.134	.134	0	%100
24	M23	Z	-.077	-.077	0	%100
25	M24	X	.134	.134	0	%100
26	M24	Z	-.077	-.077	0	%100
27	M25	X	.548	.548	0	%100
28	M25	Z	-.316	-.316	0	%100
29	M26	X	.137	.137	0	%100
30	M26	Z	-.079	-.079	0	%100
31	M27	X	.137	.137	0	%100
32	M27	Z	-.079	-.079	0	%100
33	M28	X	.29	.29	0	%100
34	M28	Z	-.167	-.167	0	%100
35	M29	X	0	0	0	%100
36	M29	Z	0	0	0	%100
37	M30	X	.289	.289	0	%100
38	M30	Z	-.167	-.167	0	%100
39	M31	X	.29	.29	0	%100
40	M31	Z	-.167	-.167	0	%100
41	M32	X	.289	.289	0	%100
42	M32	Z	-.167	-.167	0	%100
43	M33	X	0	0	0	%100
44	M33	Z	0	0	0	%100
45	M38	X	.471	.471	0	%100
46	M38	Z	-.272	-.272	0	%100
47	M39	X	.283	.283	0	%100
48	M39	Z	-.163	-.163	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	.471	.471	0	%100
54	M50	Z	-.272	-.272	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, %]
55	M51	X	.283	.283	0	%100
56	M51	Z	-.163	-.163	0	%100
57	MP5A	X	.446	.446	0	%100
58	MP5A	Z	-.257	-.257	0	%100
59	MP4A	X	.446	.446	0	%100
60	MP4A	Z	-.257	-.257	0	%100
61	MP3A	X	.446	.446	0	%100
62	MP3A	Z	-.257	-.257	0	%100
63	MP2A	X	.446	.446	0	%100
64	MP2A	Z	-.257	-.257	0	%100
65	MP1A	X	.446	.446	0	%100
66	MP1A	Z	-.257	-.257	0	%100
67	MP5C	X	.446	.446	0	%100
68	MP5C	Z	-.257	-.257	0	%100
69	MP4C	X	.446	.446	0	%100
70	MP4C	Z	-.257	-.257	0	%100
71	MP3C	X	.446	.446	0	%100
72	MP3C	Z	-.257	-.257	0	%100
73	MP2C	X	.446	.446	0	%100
74	MP2C	Z	-.257	-.257	0	%100
75	MP1C	X	.446	.446	0	%100
76	MP1C	Z	-.257	-.257	0	%100
77	MP5B	X	.446	.446	0	%100
78	MP5B	Z	-.257	-.257	0	%100
79	MP4B	X	.446	.446	0	%100
80	MP4B	Z	-.257	-.257	0	%100
81	MP3B	X	.446	.446	0	%100
82	MP3B	Z	-.257	-.257	0	%100
83	MP2B	X	.446	.446	0	%100
84	MP2B	Z	-.257	-.257	0	%100
85	MP1B	X	.446	.446	0	%100
86	MP1B	Z	-.257	-.257	0	%100
87	M122A	X	.282	.282	0	%100
88	M122A	Z	-.163	-.163	0	%100
89	M123A	X	1.127	1.127	0	%100
90	M123A	Z	-.65	-.65	0	%100
91	M128	X	.236	.236	0	%100
92	M128	Z	-.136	-.136	0	%100
93	M129	X	.235	.235	0	%100
94	M129	Z	-.136	-.136	0	%100
95	M138	X	0	0	0	%100
96	M138	Z	0	0	0	%100
97	M141	X	0	0	0	%100
98	M141	Z	0	0	0	%100
99	M150	X	.235	.235	0	%100
100	M150	Z	-.136	-.136	0	%100
101	M153	X	.236	.236	0	%100
102	M153	Z	-.136	-.136	0	%100
103	M100A	X	.135	.135	0	%100
104	M100A	Z	-.078	-.078	0	%100
105	M124A	X	.711	.711	0	%100
106	M124A	Z	-.41	-.41	0	%100
107	M125A	X	.178	.178	0	%100
108	M125A	Z	-.103	-.103	0	%100
109	M126	X	.178	.178	0	%100
110	M126	Z	-.103	-.103	0	%100
111	M133	X	.135	.135	0	%100
112	M133	Z	-.078	-.078	0	%100
113	M141A	X	.54	.54	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.%]
114	M141A	Z	-.312	-.312	0	%100
115	M149A	X	.135	.135	0	%100
116	M149A	Z	-.078	-.078	0	%100
117	M157	X	.711	.711	0	%100
118	M157	Z	-.41	-.41	0	%100
119	M158	X	.178	.178	0	%100
120	M158	Z	-.103	-.103	0	%100
121	M159	X	.178	.178	0	%100
122	M159	Z	-.103	-.103	0	%100
123	M160	X	.185	.185	0	%100
124	M160	Z	-.107	-.107	0	%100
125	M161	X	.648	.648	0	%100
126	M161	Z	-.374	-.374	0	%100
127	M162	X	.501	.501	0	%100
128	M162	Z	-.289	-.289	0	%100
129	M163	X	.501	.501	0	%100
130	M163	Z	-.289	-.289	0	%100
131	M164	X	.648	.648	0	%100
132	M164	Z	-.374	-.374	0	%100
133	M165	X	.185	.185	0	%100
134	M165	Z	-.107	-.107	0	%100
135	M158A	X	.54	.54	0	%100
136	M158A	Z	-.312	-.312	0	%100
137	M159A	X	.135	.135	0	%100
138	M159A	Z	-.078	-.078	0	%100
139	OVP	X	.406	.406	0	%100
140	OVP	Z	-.235	-.235	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	M4	X	.531	.531	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	.634	.634	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	.133	.133	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	.158	.158	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	.133	.133	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	.158	.158	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	.976	.976	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	.474	.474	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	.474	.474	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	.465	.465	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	.465	.465	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	.474	.474	0	%100
28	M25	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
29	M26	X	.474	.474	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	.446	.446	0	%100
34	M28	Z	0	0	0	%100
35	M29	X	.112	.112	0	%100
36	M29	Z	0	0	0	%100
37	M30	X	.111	.111	0	%100
38	M30	Z	0	0	0	%100
39	M31	X	.112	.112	0	%100
40	M31	Z	0	0	0	%100
41	M32	X	.446	.446	0	%100
42	M32	Z	0	0	0	%100
43	M33	X	.111	.111	0	%100
44	M33	Z	0	0	0	%100
45	M38	X	.726	.726	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	.435	.435	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	.181	.181	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	.109	.109	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	.181	.181	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	.109	.109	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	.515	.515	0	%100
58	MP5A	Z	0	0	0	%100
59	MP4A	X	.515	.515	0	%100
60	MP4A	Z	0	0	0	%100
61	MP3A	X	.515	.515	0	%100
62	MP3A	Z	0	0	0	%100
63	MP2A	X	.515	.515	0	%100
64	MP2A	Z	0	0	0	%100
65	MP1A	X	.515	.515	0	%100
66	MP1A	Z	0	0	0	%100
67	MP5C	X	.515	.515	0	%100
68	MP5C	Z	0	0	0	%100
69	MP4C	X	.515	.515	0	%100
70	MP4C	Z	0	0	0	%100
71	MP3C	X	.515	.515	0	%100
72	MP3C	Z	0	0	0	%100
73	MP2C	X	.515	.515	0	%100
74	MP2C	Z	0	0	0	%100
75	MP1C	X	.515	.515	0	%100
76	MP1C	Z	0	0	0	%100
77	MP5B	X	.515	.515	0	%100
78	MP5B	Z	0	0	0	%100
79	MP4B	X	.515	.515	0	%100
80	MP4B	Z	0	0	0	%100
81	MP3B	X	.515	.515	0	%100
82	MP3B	Z	0	0	0	%100
83	MP2B	X	.515	.515	0	%100
84	MP2B	Z	0	0	0	%100
85	MP1B	X	.515	.515	0	%100
86	MP1B	Z	0	0	0	%100
87	M122A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft....	Start Location[ft.%]	End Location[ft.%]
88	M122A	Z	0	0	0	%100
89	M123A	X	.976	.976	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	.363	.363	0	%100
92	M128	Z	0	0	0	%100
93	M129	X	.363	.363	0	%100
94	M129	Z	0	0	0	%100
95	M138	X	.091	.091	0	%100
96	M138	Z	0	0	0	%100
97	M141	X	.09	.09	0	%100
98	M141	Z	0	0	0	%100
99	M150	X	.09	.09	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	.091	.091	0	%100
102	M153	Z	0	0	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	0	0	0	%100
105	M124A	X	.615	.615	0	%100
106	M124A	Z	0	0	0	%100
107	M125A	X	.615	.615	0	%100
108	M125A	Z	0	0	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	0	0	0	%100
111	M133	X	0	0	0	%100
112	M133	Z	0	0	0	%100
113	M141A	X	.468	.468	0	%100
114	M141A	Z	0	0	0	%100
115	M149A	X	.468	.468	0	%100
116	M149A	Z	0	0	0	%100
117	M157	X	.615	.615	0	%100
118	M157	Z	0	0	0	%100
119	M158	X	.615	.615	0	%100
120	M158	Z	0	0	0	%100
121	M159	X	0	0	0	%100
122	M159	Z	0	0	0	%100
123	M160	X	.449	.449	0	%100
124	M160	Z	0	0	0	%100
125	M161	X	.449	.449	0	%100
126	M161	Z	0	0	0	%100
127	M162	X	.279	.279	0	%100
128	M162	Z	0	0	0	%100
129	M163	X	.813	.813	0	%100
130	M163	Z	0	0	0	%100
131	M164	X	.813	.813	0	%100
132	M164	Z	0	0	0	%100
133	M165	X	.279	.279	0	%100
134	M165	Z	0	0	0	%100
135	M158A	X	.468	.468	0	%100
136	M158A	Z	0	0	0	%100
137	M159A	X	.468	.468	0	%100
138	M159A	Z	0	0	0	%100
139	OVP	X	.469	.469	0	%100
140	OVP	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	M4	X	.345	.345	0	%100
2	M4	Z	.199	.199	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, %]
3	M5	X	.412	.412	0	%100
4	M5	Z	.238	.238	0	%100
5	M10	X	.345	.345	0	%100
6	M10	Z	.199	.199	0	%100
7	M11	X	.412	.412	0	%100
8	M11	Z	.238	.238	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	1.127	1.127	0	%100
14	M18	Z	.65	.65	0	%100
15	M19	X	.137	.137	0	%100
16	M19	Z	.079	.079	0	%100
17	M20	X	.548	.548	0	%100
18	M20	Z	.316	.316	0	%100
19	M21	X	.137	.137	0	%100
20	M21	Z	.079	.079	0	%100
21	M22	X	.134	.134	0	%100
22	M22	Z	.077	.077	0	%100
23	M23	X	.537	.537	0	%100
24	M23	Z	.31	.31	0	%100
25	M24	X	.134	.134	0	%100
26	M24	Z	.077	.077	0	%100
27	M25	X	.137	.137	0	%100
28	M25	Z	.079	.079	0	%100
29	M26	X	.548	.548	0	%100
30	M26	Z	.316	.316	0	%100
31	M27	X	.137	.137	0	%100
32	M27	Z	.079	.079	0	%100
33	M28	X	.289	.289	0	%100
34	M28	Z	.167	.167	0	%100
35	M29	X	.29	.29	0	%100
36	M29	Z	.167	.167	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	0	0	0	%100
39	M31	X	0	0	0	%100
40	M31	Z	0	0	0	%100
41	M32	X	.29	.29	0	%100
42	M32	Z	.167	.167	0	%100
43	M33	X	.289	.289	0	%100
44	M33	Z	.167	.167	0	%100
45	M38	X	.471	.471	0	%100
46	M38	Z	.272	.272	0	%100
47	M39	X	.283	.283	0	%100
48	M39	Z	.163	.163	0	%100
49	M44	X	.471	.471	0	%100
50	M44	Z	.272	.272	0	%100
51	M45	X	.283	.283	0	%100
52	M45	Z	.163	.163	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	.446	.446	0	%100
58	MP5A	Z	.257	.257	0	%100
59	MP4A	X	.446	.446	0	%100
60	MP4A	Z	.257	.257	0	%100
61	MP3A	X	.446	.446	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.%]
62	MP3A	Z	.257	.257	0	%100
63	MP2A	X	.446	.446	0	%100
64	MP2A	Z	.257	.257	0	%100
65	MP1A	X	.446	.446	0	%100
66	MP1A	Z	.257	.257	0	%100
67	MP5C	X	.446	.446	0	%100
68	MP5C	Z	.257	.257	0	%100
69	MP4C	X	.446	.446	0	%100
70	MP4C	Z	.257	.257	0	%100
71	MP3C	X	.446	.446	0	%100
72	MP3C	Z	.257	.257	0	%100
73	MP2C	X	.446	.446	0	%100
74	MP2C	Z	.257	.257	0	%100
75	MP1C	X	.446	.446	0	%100
76	MP1C	Z	.257	.257	0	%100
77	MP5B	X	.446	.446	0	%100
78	MP5B	Z	.257	.257	0	%100
79	MP4B	X	.446	.446	0	%100
80	MP4B	Z	.257	.257	0	%100
81	MP3B	X	.446	.446	0	%100
82	MP3B	Z	.257	.257	0	%100
83	MP2B	X	.446	.446	0	%100
84	MP2B	Z	.257	.257	0	%100
85	MP1B	X	.446	.446	0	%100
86	MP1B	Z	.257	.257	0	%100
87	M122A	X	.282	.282	0	%100
88	M122A	Z	.163	.163	0	%100
89	M123A	X	.282	.282	0	%100
90	M123A	Z	.163	.163	0	%100
91	M128	X	.235	.235	0	%100
92	M128	Z	.136	.136	0	%100
93	M129	X	.236	.236	0	%100
94	M129	Z	.136	.136	0	%100
95	M138	X	.236	.236	0	%100
96	M138	Z	.136	.136	0	%100
97	M141	X	.235	.235	0	%100
98	M141	Z	.136	.136	0	%100
99	M150	X	0	0	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	0	0	0	%100
103	M100A	X	.135	.135	0	%100
104	M100A	Z	.078	.078	0	%100
105	M124A	X	.178	.178	0	%100
106	M124A	Z	.103	.103	0	%100
107	M125A	X	.711	.711	0	%100
108	M125A	Z	.41	.41	0	%100
109	M126	X	.178	.178	0	%100
110	M126	Z	.103	.103	0	%100
111	M133	X	.135	.135	0	%100
112	M133	Z	.078	.078	0	%100
113	M141A	X	.135	.135	0	%100
114	M141A	Z	.078	.078	0	%100
115	M149A	X	.54	.54	0	%100
116	M149A	Z	.312	.312	0	%100
117	M157	X	.178	.178	0	%100
118	M157	Z	.103	.103	0	%100
119	M158	X	.711	.711	0	%100
120	M158	Z	.41	.41	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.%]
121	M159	X	.178	.178	0	%100
122	M159	Z	.103	.103	0	%100
123	M160	X	.648	.648	0	%100
124	M160	Z	.374	.374	0	%100
125	M161	X	.185	.185	0	%100
126	M161	Z	.107	.107	0	%100
127	M162	X	.185	.185	0	%100
128	M162	Z	.107	.107	0	%100
129	M163	X	.648	.648	0	%100
130	M163	Z	.374	.374	0	%100
131	M164	X	.501	.501	0	%100
132	M164	Z	.289	.289	0	%100
133	M165	X	.501	.501	0	%100
134	M165	Z	.289	.289	0	%100
135	M158A	X	.135	.135	0	%100
136	M158A	Z	.078	.078	0	%100
137	M159A	X	.54	.54	0	%100
138	M159A	Z	.312	.312	0	%100
139	OVP	X	.406	.406	0	%100
140	OVP	Z	.235	.235	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	M4	X	.066	.066	0	%100
2	M4	Z	.115	.115	0	%100
3	M5	X	.079	.079	0	%100
4	M5	Z	.137	.137	0	%100
5	M10	X	.265	.265	0	%100
6	M10	Z	.46	.46	0	%100
7	M11	X	.317	.317	0	%100
8	M11	Z	.549	.549	0	%100
9	M16	X	.066	.066	0	%100
10	M16	Z	.115	.115	0	%100
11	M17	X	.079	.079	0	%100
12	M17	Z	.137	.137	0	%100
13	M18	X	.488	.488	0	%100
14	M18	Z	.845	.845	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	.237	.237	0	%100
18	M20	Z	.411	.411	0	%100
19	M21	X	.237	.237	0	%100
20	M21	Z	.411	.411	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	.232	.232	0	%100
24	M23	Z	.402	.402	0	%100
25	M24	X	.232	.232	0	%100
26	M24	Z	.402	.402	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	.237	.237	0	%100
30	M26	Z	.411	.411	0	%100
31	M27	X	.237	.237	0	%100
32	M27	Z	.411	.411	0	%100
33	M28	X	.055	.055	0	%100
34	M28	Z	.096	.096	0	%100
35	M29	X	.223	.223	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.%]
36	M29	Z	.386	.386	0	%100
37	M30	X	.056	.056	0	%100
38	M30	Z	.097	.097	0	%100
39	M31	X	.055	.055	0	%100
40	M31	Z	.096	.096	0	%100
41	M32	X	.056	.056	0	%100
42	M32	Z	.097	.097	0	%100
43	M33	X	.223	.223	0	%100
44	M33	Z	.386	.386	0	%100
45	M38	X	.091	.091	0	%100
46	M38	Z	.157	.157	0	%100
47	M39	X	.054	.054	0	%100
48	M39	Z	.094	.094	0	%100
49	M44	X	.363	.363	0	%100
50	M44	Z	.629	.629	0	%100
51	M45	X	.218	.218	0	%100
52	M45	Z	.377	.377	0	%100
53	M50	X	.091	.091	0	%100
54	M50	Z	.157	.157	0	%100
55	M51	X	.054	.054	0	%100
56	M51	Z	.094	.094	0	%100
57	MP5A	X	.257	.257	0	%100
58	MP5A	Z	.446	.446	0	%100
59	MP4A	X	.257	.257	0	%100
60	MP4A	Z	.446	.446	0	%100
61	MP3A	X	.257	.257	0	%100
62	MP3A	Z	.446	.446	0	%100
63	MP2A	X	.257	.257	0	%100
64	MP2A	Z	.446	.446	0	%100
65	MP1A	X	.257	.257	0	%100
66	MP1A	Z	.446	.446	0	%100
67	MP5C	X	.257	.257	0	%100
68	MP5C	Z	.446	.446	0	%100
69	MP4C	X	.257	.257	0	%100
70	MP4C	Z	.446	.446	0	%100
71	MP3C	X	.257	.257	0	%100
72	MP3C	Z	.446	.446	0	%100
73	MP2C	X	.257	.257	0	%100
74	MP2C	Z	.446	.446	0	%100
75	MP1C	X	.257	.257	0	%100
76	MP1C	Z	.446	.446	0	%100
77	MP5B	X	.257	.257	0	%100
78	MP5B	Z	.446	.446	0	%100
79	MP4B	X	.257	.257	0	%100
80	MP4B	Z	.446	.446	0	%100
81	MP3B	X	.257	.257	0	%100
82	MP3B	Z	.446	.446	0	%100
83	MP2B	X	.257	.257	0	%100
84	MP2B	Z	.446	.446	0	%100
85	MP1B	X	.257	.257	0	%100
86	MP1B	Z	.446	.446	0	%100
87	M122A	X	.488	.488	0	%100
88	M122A	Z	.845	.845	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	.045	.045	0	%100
92	M128	Z	.078	.078	0	%100
93	M129	X	.045	.045	0	%100
94	M129	Z	.079	.079	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, %]
95	M138	X	.181	.181	0	%100
96	M138	Z	.314	.314	0	%100
97	M141	X	.181	.181	0	%100
98	M141	Z	.314	.314	0	%100
99	M150	X	.045	.045	0	%100
100	M150	Z	.079	.079	0	%100
101	M153	X	.045	.045	0	%100
102	M153	Z	.078	.078	0	%100
103	M100A	X	.234	.234	0	%100
104	M100A	Z	.405	.405	0	%100
105	M124A	X	0	0	0	%100
106	M124A	Z	0	0	0	%100
107	M125A	X	.308	.308	0	%100
108	M125A	Z	.533	.533	0	%100
109	M126	X	.308	.308	0	%100
110	M126	Z	.533	.533	0	%100
111	M133	X	.234	.234	0	%100
112	M133	Z	.405	.405	0	%100
113	M141A	X	0	0	0	%100
114	M141A	Z	0	0	0	%100
115	M149A	X	.234	.234	0	%100
116	M149A	Z	.405	.405	0	%100
117	M157	X	0	0	0	%100
118	M157	Z	0	0	0	%100
119	M158	X	.308	.308	0	%100
120	M158	Z	.533	.533	0	%100
121	M159	X	.308	.308	0	%100
122	M159	Z	.533	.533	0	%100
123	M160	X	.407	.407	0	%100
124	M160	Z	.704	.704	0	%100
125	M161	X	.139	.139	0	%100
126	M161	Z	.242	.242	0	%100
127	M162	X	.224	.224	0	%100
128	M162	Z	.388	.388	0	%100
129	M163	X	.224	.224	0	%100
130	M163	Z	.388	.388	0	%100
131	M164	X	.139	.139	0	%100
132	M164	Z	.242	.242	0	%100
133	M165	X	.407	.407	0	%100
134	M165	Z	.704	.704	0	%100
135	M158A	X	0	0	0	%100
136	M158A	Z	0	0	0	%100
137	M159A	X	.234	.234	0	%100
138	M159A	Z	.405	.405	0	%100
139	OVP	X	.235	.235	0	%100
140	OVP	Z	.406	.406	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.398	.398	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	.475	.475	0	%100
9	M16	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, %]
10	M16	Z	.398	.398	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	.475	.475	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	.325	.325	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	.158	.158	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	.158	.158	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	.632	.632	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	.155	.155	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	.155	.155	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	.62	.62	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	.158	.158	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	.158	.158	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	.632	.632	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	1e-6	1e-6	0	%100
35	M29	X	0	0	0	%100
36	M29	Z	.334	.334	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	.335	.335	0	%100
39	M31	X	0	0	0	%100
40	M31	Z	.334	.334	0	%100
41	M32	X	0	0	0	%100
42	M32	Z	1e-6	1e-6	0	%100
43	M33	X	0	0	0	%100
44	M33	Z	.335	.335	0	%100
45	M38	X	0	0	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	0	0	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	.544	.544	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	.327	.327	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	.544	.544	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	.327	.327	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	.515	.515	0	%100
59	MP4A	X	0	0	0	%100
60	MP4A	Z	.515	.515	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	.515	.515	0	%100
63	MP2A	X	0	0	0	%100
64	MP2A	Z	.515	.515	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	.515	.515	0	%100
67	MP5C	X	0	0	0	%100
68	MP5C	Z	.515	.515	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.%]
69	MP4C	X	0	0	0	%100
70	MP4C	Z	.515	.515	0	%100
71	MP3C	X	0	0	0	%100
72	MP3C	Z	.515	.515	0	%100
73	MP2C	X	0	0	0	%100
74	MP2C	Z	.515	.515	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	.515	.515	0	%100
77	MP5B	X	0	0	0	%100
78	MP5B	Z	.515	.515	0	%100
79	MP4B	X	0	0	0	%100
80	MP4B	Z	.515	.515	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	.515	.515	0	%100
83	MP2B	X	0	0	0	%100
84	MP2B	Z	.515	.515	0	%100
85	MP1B	X	0	0	0	%100
86	MP1B	Z	.515	.515	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	1.301	1.301	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	.325	.325	0	%100
91	M128	X	0	0	0	%100
92	M128	Z	0	0	0	%100
93	M129	X	0	0	0	%100
94	M129	Z	0	0	0	%100
95	M138	X	0	0	0	%100
96	M138	Z	.272	.272	0	%100
97	M141	X	0	0	0	%100
98	M141	Z	.272	.272	0	%100
99	M150	X	0	0	0	%100
100	M150	Z	.272	.272	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	.272	.272	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	.623	.623	0	%100
105	M124A	X	0	0	0	%100
106	M124A	Z	.205	.205	0	%100
107	M125A	X	0	0	0	%100
108	M125A	Z	.205	.205	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	.821	.821	0	%100
111	M133	X	0	0	0	%100
112	M133	Z	.623	.623	0	%100
113	M141A	X	0	0	0	%100
114	M141A	Z	.156	.156	0	%100
115	M149A	X	0	0	0	%100
116	M149A	Z	.156	.156	0	%100
117	M157	X	0	0	0	%100
118	M157	Z	.205	.205	0	%100
119	M158	X	0	0	0	%100
120	M158	Z	.205	.205	0	%100
121	M159	X	0	0	0	%100
122	M159	Z	.821	.821	0	%100
123	M160	X	0	0	0	%100
124	M160	Z	.578	.578	0	%100
125	M161	X	0	0	0	%100
126	M161	Z	.578	.578	0	%100
127	M162	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.%]
128	M162	Z	.748	.748	0	%100
129	M163	X	0	0	0	%100
130	M163	Z	.214	.214	0	%100
131	M164	X	0	0	0	%100
132	M164	Z	.214	.214	0	%100
133	M165	X	0	0	0	%100
134	M165	Z	.748	.748	0	%100
135	M158A	X	0	0	0	%100
136	M158A	Z	.156	.156	0	%100
137	M159A	X	0	0	0	%100
138	M159A	Z	.156	.156	0	%100
139	OVP	X	0	0	0	%100
140	OVP	Z	.469	.469	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	M4	X	-.066	-.066	0	%100
2	M4	Z	.115	.115	0	%100
3	M5	X	-.079	-.079	0	%100
4	M5	Z	.137	.137	0	%100
5	M10	X	-.066	-.066	0	%100
6	M10	Z	.115	.115	0	%100
7	M11	X	-.079	-.079	0	%100
8	M11	Z	.137	.137	0	%100
9	M16	X	-.265	-.265	0	%100
10	M16	Z	.46	.46	0	%100
11	M17	X	-.317	-.317	0	%100
12	M17	Z	.549	.549	0	%100
13	M18	X	0	0	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	-.237	-.237	0	%100
16	M19	Z	.411	.411	0	%100
17	M20	X	0	0	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	-.237	-.237	0	%100
20	M21	Z	.411	.411	0	%100
21	M22	X	-.232	-.232	0	%100
22	M22	Z	.402	.402	0	%100
23	M23	X	0	0	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	-.232	-.232	0	%100
26	M24	Z	.402	.402	0	%100
27	M25	X	-.237	-.237	0	%100
28	M25	Z	.411	.411	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	-.237	-.237	0	%100
32	M27	Z	.411	.411	0	%100
33	M28	X	-.056	-.056	0	%100
34	M28	Z	.097	.097	0	%100
35	M29	X	-.055	-.055	0	%100
36	M29	Z	.096	.096	0	%100
37	M30	X	-.223	-.223	0	%100
38	M30	Z	.386	.386	0	%100
39	M31	X	-.223	-.223	0	%100
40	M31	Z	.386	.386	0	%100
41	M32	X	-.055	-.055	0	%100
42	M32	Z	.096	.096	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, %]
43	M33	X	-.056	-.056	0	%100
44	M33	Z	.097	.097	0	%100
45	M38	X	-.091	-.091	0	%100
46	M38	Z	.157	.157	0	%100
47	M39	X	-.054	-.054	0	%100
48	M39	Z	.094	.094	0	%100
49	M44	X	-.091	-.091	0	%100
50	M44	Z	.157	.157	0	%100
51	M45	X	-.054	-.054	0	%100
52	M45	Z	.094	.094	0	%100
53	M50	X	-.363	-.363	0	%100
54	M50	Z	.629	.629	0	%100
55	M51	X	-.218	-.218	0	%100
56	M51	Z	.377	.377	0	%100
57	MP5A	X	-.257	-.257	0	%100
58	MP5A	Z	.446	.446	0	%100
59	MP4A	X	-.257	-.257	0	%100
60	MP4A	Z	.446	.446	0	%100
61	MP3A	X	-.257	-.257	0	%100
62	MP3A	Z	.446	.446	0	%100
63	MP2A	X	-.257	-.257	0	%100
64	MP2A	Z	.446	.446	0	%100
65	MP1A	X	-.257	-.257	0	%100
66	MP1A	Z	.446	.446	0	%100
67	MP5C	X	-.257	-.257	0	%100
68	MP5C	Z	.446	.446	0	%100
69	MP4C	X	-.257	-.257	0	%100
70	MP4C	Z	.446	.446	0	%100
71	MP3C	X	-.257	-.257	0	%100
72	MP3C	Z	.446	.446	0	%100
73	MP2C	X	-.257	-.257	0	%100
74	MP2C	Z	.446	.446	0	%100
75	MP1C	X	-.257	-.257	0	%100
76	MP1C	Z	.446	.446	0	%100
77	MP5B	X	-.257	-.257	0	%100
78	MP5B	Z	.446	.446	0	%100
79	MP4B	X	-.257	-.257	0	%100
80	MP4B	Z	.446	.446	0	%100
81	MP3B	X	-.257	-.257	0	%100
82	MP3B	Z	.446	.446	0	%100
83	MP2B	X	-.257	-.257	0	%100
84	MP2B	Z	.446	.446	0	%100
85	MP1B	X	-.257	-.257	0	%100
86	MP1B	Z	.446	.446	0	%100
87	M122A	X	-.488	-.488	0	%100
88	M122A	Z	.845	.845	0	%100
89	M123A	X	-.488	-.488	0	%100
90	M123A	Z	.845	.845	0	%100
91	M128	X	-.045	-.045	0	%100
92	M128	Z	.079	.079	0	%100
93	M129	X	-.045	-.045	0	%100
94	M129	Z	.078	.078	0	%100
95	M138	X	-.045	-.045	0	%100
96	M138	Z	.078	.078	0	%100
97	M141	X	-.045	-.045	0	%100
98	M141	Z	.079	.079	0	%100
99	M150	X	-.181	-.181	0	%100
100	M150	Z	.314	.314	0	%100
101	M153	X	-.181	-.181	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
102	M153	Z	.314	.314	0	%100
103	M100A	X	-.234	-.234	0	%100
104	M100A	Z	.405	.405	0	%100
105	M124A	X	-.308	-.308	0	%100
106	M124A	Z	.533	.533	0	%100
107	M125A	X	0	0	0	%100
108	M125A	Z	0	0	0	%100
109	M126	X	-.308	-.308	0	%100
110	M126	Z	.533	.533	0	%100
111	M133	X	-.234	-.234	0	%100
112	M133	Z	.405	.405	0	%100
113	M141A	X	-.234	-.234	0	%100
114	M141A	Z	.405	.405	0	%100
115	M149A	X	0	0	0	%100
116	M149A	Z	0	0	0	%100
117	M157	X	-.308	-.308	0	%100
118	M157	Z	.533	.533	0	%100
119	M158	X	0	0	0	%100
120	M158	Z	0	0	0	%100
121	M159	X	-.308	-.308	0	%100
122	M159	Z	.533	.533	0	%100
123	M160	X	-.139	-.139	0	%100
124	M160	Z	.242	.242	0	%100
125	M161	X	-.407	-.407	0	%100
126	M161	Z	.704	.704	0	%100
127	M162	X	-.407	-.407	0	%100
128	M162	Z	.704	.704	0	%100
129	M163	X	-.139	-.139	0	%100
130	M163	Z	.242	.242	0	%100
131	M164	X	-.224	-.224	0	%100
132	M164	Z	.388	.388	0	%100
133	M165	X	-.224	-.224	0	%100
134	M165	Z	.388	.388	0	%100
135	M158A	X	-.234	-.234	0	%100
136	M158A	Z	.405	.405	0	%100
137	M159A	X	0	0	0	%100
138	M159A	Z	0	0	0	%100
139	OVP	X	-.235	-.235	0	%100
140	OVP	Z	.406	.406	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	M4	X	-.345	-.345	0	%100
2	M4	Z	.199	.199	0	%100
3	M5	X	-.412	-.412	0	%100
4	M5	Z	.238	.238	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	0	0	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-.345	-.345	0	%100
10	M16	Z	.199	.199	0	%100
11	M17	X	-.412	-.412	0	%100
12	M17	Z	.238	.238	0	%100
13	M18	X	-.282	-.282	0	%100
14	M18	Z	.163	.163	0	%100
15	M19	X	-.548	-.548	0	%100
16	M19	Z	.316	.316	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, %]
17	M20	X	-.137	-.137	0	%100
18	M20	Z	.079	.079	0	%100
19	M21	X	-.137	-.137	0	%100
20	M21	Z	.079	.079	0	%100
21	M22	X	-.537	-.537	0	%100
22	M22	Z	.31	.31	0	%100
23	M23	X	-.134	-.134	0	%100
24	M23	Z	.077	.077	0	%100
25	M24	X	-.134	-.134	0	%100
26	M24	Z	.077	.077	0	%100
27	M25	X	-.548	-.548	0	%100
28	M25	Z	.316	.316	0	%100
29	M26	X	-.137	-.137	0	%100
30	M26	Z	.079	.079	0	%100
31	M27	X	-.137	-.137	0	%100
32	M27	Z	.079	.079	0	%100
33	M28	X	-.29	-.29	0	%100
34	M28	Z	.167	.167	0	%100
35	M29	X	0	0	0	%100
36	M29	Z	0	0	0	%100
37	M30	X	-.289	-.289	0	%100
38	M30	Z	.167	.167	0	%100
39	M31	X	-.29	-.29	0	%100
40	M31	Z	.167	.167	0	%100
41	M32	X	-.289	-.289	0	%100
42	M32	Z	.167	.167	0	%100
43	M33	X	0	0	0	%100
44	M33	Z	0	0	0	%100
45	M38	X	-.471	-.471	0	%100
46	M38	Z	.272	.272	0	%100
47	M39	X	-.283	-.283	0	%100
48	M39	Z	.163	.163	0	%100
49	M44	X	0	0	0	%100
50	M44	Z	0	0	0	%100
51	M45	X	0	0	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	-.471	-.471	0	%100
54	M50	Z	.272	.272	0	%100
55	M51	X	-.283	-.283	0	%100
56	M51	Z	.163	.163	0	%100
57	MP5A	X	-.446	-.446	0	%100
58	MP5A	Z	.257	.257	0	%100
59	MP4A	X	-.446	-.446	0	%100
60	MP4A	Z	.257	.257	0	%100
61	MP3A	X	-.446	-.446	0	%100
62	MP3A	Z	.257	.257	0	%100
63	MP2A	X	-.446	-.446	0	%100
64	MP2A	Z	.257	.257	0	%100
65	MP1A	X	-.446	-.446	0	%100
66	MP1A	Z	.257	.257	0	%100
67	MP5C	X	-.446	-.446	0	%100
68	MP5C	Z	.257	.257	0	%100
69	MP4C	X	-.446	-.446	0	%100
70	MP4C	Z	.257	.257	0	%100
71	MP3C	X	-.446	-.446	0	%100
72	MP3C	Z	.257	.257	0	%100
73	MP2C	X	-.446	-.446	0	%100
74	MP2C	Z	.257	.257	0	%100
75	MP1C	X	-.446	-.446	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.%]
76	MP1C	Z	.257	.257	0	%100
77	MP5B	X	-.446	-.446	0	%100
78	MP5B	Z	.257	.257	0	%100
79	MP4B	X	-.446	-.446	0	%100
80	MP4B	Z	.257	.257	0	%100
81	MP3B	X	-.446	-.446	0	%100
82	MP3B	Z	.257	.257	0	%100
83	MP2B	X	-.446	-.446	0	%100
84	MP2B	Z	.257	.257	0	%100
85	MP1B	X	-.446	-.446	0	%100
86	MP1B	Z	.257	.257	0	%100
87	M122A	X	-.282	-.282	0	%100
88	M122A	Z	.163	.163	0	%100
89	M123A	X	-1.127	-1.127	0	%100
90	M123A	Z	.65	.65	0	%100
91	M128	X	-.236	-.236	0	%100
92	M128	Z	.136	.136	0	%100
93	M129	X	-.235	-.235	0	%100
94	M129	Z	.136	.136	0	%100
95	M138	X	0	0	0	%100
96	M138	Z	0	0	0	%100
97	M141	X	0	0	0	%100
98	M141	Z	0	0	0	%100
99	M150	X	-.235	-.235	0	%100
100	M150	Z	.136	.136	0	%100
101	M153	X	-.236	-.236	0	%100
102	M153	Z	.136	.136	0	%100
103	M100A	X	-.135	-.135	0	%100
104	M100A	Z	.078	.078	0	%100
105	M124A	X	-.711	-.711	0	%100
106	M124A	Z	.41	.41	0	%100
107	M125A	X	-.178	-.178	0	%100
108	M125A	Z	.103	.103	0	%100
109	M126	X	-.178	-.178	0	%100
110	M126	Z	.103	.103	0	%100
111	M133	X	-.135	-.135	0	%100
112	M133	Z	.078	.078	0	%100
113	M141A	X	-.54	-.54	0	%100
114	M141A	Z	.312	.312	0	%100
115	M149A	X	-.135	-.135	0	%100
116	M149A	Z	.078	.078	0	%100
117	M157	X	-.711	-.711	0	%100
118	M157	Z	.41	.41	0	%100
119	M158	X	-.178	-.178	0	%100
120	M158	Z	.103	.103	0	%100
121	M159	X	-.178	-.178	0	%100
122	M159	Z	.103	.103	0	%100
123	M160	X	-.185	-.185	0	%100
124	M160	Z	.107	.107	0	%100
125	M161	X	-.648	-.648	0	%100
126	M161	Z	.374	.374	0	%100
127	M162	X	-.501	-.501	0	%100
128	M162	Z	.289	.289	0	%100
129	M163	X	-.501	-.501	0	%100
130	M163	Z	.289	.289	0	%100
131	M164	X	-.648	-.648	0	%100
132	M164	Z	.374	.374	0	%100
133	M165	X	-.185	-.185	0	%100
134	M165	Z	.107	.107	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.%]
135	M158A	X	-.54	-.54	0	%100
136	M158A	Z	.312	.312	0	%100
137	M159A	X	-.135	-.135	0	%100
138	M159A	Z	.078	.078	0	%100
139	OVP	X	-.406	-.406	0	%100
140	OVP	Z	.235	.235	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	M4	X	-.531	-.531	0	%100
2	M4	Z	0	0	0	%100
3	M5	X	-.634	-.634	0	%100
4	M5	Z	0	0	0	%100
5	M10	X	-.133	-.133	0	%100
6	M10	Z	0	0	0	%100
7	M11	X	-.158	-.158	0	%100
8	M11	Z	0	0	0	%100
9	M16	X	-.133	-.133	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	-.158	-.158	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	-.976	-.976	0	%100
14	M18	Z	0	0	0	%100
15	M19	X	-.474	-.474	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	-.474	-.474	0	%100
18	M20	Z	0	0	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M22	X	-.465	-.465	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	-.465	-.465	0	%100
24	M23	Z	0	0	0	%100
25	M24	X	0	0	0	%100
26	M24	Z	0	0	0	%100
27	M25	X	-.474	-.474	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-.474	-.474	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	-.446	-.446	0	%100
34	M28	Z	0	0	0	%100
35	M29	X	-.112	-.112	0	%100
36	M29	Z	0	0	0	%100
37	M30	X	-.111	-.111	0	%100
38	M30	Z	0	0	0	%100
39	M31	X	-.112	-.112	0	%100
40	M31	Z	0	0	0	%100
41	M32	X	-.446	-.446	0	%100
42	M32	Z	0	0	0	%100
43	M33	X	-.111	-.111	0	%100
44	M33	Z	0	0	0	%100
45	M38	X	-.726	-.726	0	%100
46	M38	Z	0	0	0	%100
47	M39	X	-.435	-.435	0	%100
48	M39	Z	0	0	0	%100
49	M44	X	-.181	-.181	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, %]
50	M44	Z	0	0	0	%100
51	M45	X	-.109	-.109	0	%100
52	M45	Z	0	0	0	%100
53	M50	X	-.181	-.181	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	-.109	-.109	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	-.515	-.515	0	%100
58	MP5A	Z	0	0	0	%100
59	MP4A	X	-.515	-.515	0	%100
60	MP4A	Z	0	0	0	%100
61	MP3A	X	-.515	-.515	0	%100
62	MP3A	Z	0	0	0	%100
63	MP2A	X	-.515	-.515	0	%100
64	MP2A	Z	0	0	0	%100
65	MP1A	X	-.515	-.515	0	%100
66	MP1A	Z	0	0	0	%100
67	MP5C	X	-.515	-.515	0	%100
68	MP5C	Z	0	0	0	%100
69	MP4C	X	-.515	-.515	0	%100
70	MP4C	Z	0	0	0	%100
71	MP3C	X	-.515	-.515	0	%100
72	MP3C	Z	0	0	0	%100
73	MP2C	X	-.515	-.515	0	%100
74	MP2C	Z	0	0	0	%100
75	MP1C	X	-.515	-.515	0	%100
76	MP1C	Z	0	0	0	%100
77	MP5B	X	-.515	-.515	0	%100
78	MP5B	Z	0	0	0	%100
79	MP4B	X	-.515	-.515	0	%100
80	MP4B	Z	0	0	0	%100
81	MP3B	X	-.515	-.515	0	%100
82	MP3B	Z	0	0	0	%100
83	MP2B	X	-.515	-.515	0	%100
84	MP2B	Z	0	0	0	%100
85	MP1B	X	-.515	-.515	0	%100
86	MP1B	Z	0	0	0	%100
87	M122A	X	0	0	0	%100
88	M122A	Z	0	0	0	%100
89	M123A	X	-.976	-.976	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	-.363	-.363	0	%100
92	M128	Z	0	0	0	%100
93	M129	X	-.363	-.363	0	%100
94	M129	Z	0	0	0	%100
95	M138	X	-.091	-.091	0	%100
96	M138	Z	0	0	0	%100
97	M141	X	-.09	-.09	0	%100
98	M141	Z	0	0	0	%100
99	M150	X	-.09	-.09	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	-.091	-.091	0	%100
102	M153	Z	0	0	0	%100
103	M100A	X	0	0	0	%100
104	M100A	Z	0	0	0	%100
105	M124A	X	-.615	-.615	0	%100
106	M124A	Z	0	0	0	%100
107	M125A	X	-.615	-.615	0	%100
108	M125A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
109	M126	X	0	0	0	%100
110	M126	Z	0	0	0	%100
111	M133	X	0	0	0	%100
112	M133	Z	0	0	0	%100
113	M141A	X	-.468	-.468	0	%100
114	M141A	Z	0	0	0	%100
115	M149A	X	-.468	-.468	0	%100
116	M149A	Z	0	0	0	%100
117	M157	X	-.615	-.615	0	%100
118	M157	Z	0	0	0	%100
119	M158	X	-.615	-.615	0	%100
120	M158	Z	0	0	0	%100
121	M159	X	0	0	0	%100
122	M159	Z	0	0	0	%100
123	M160	X	-.449	-.449	0	%100
124	M160	Z	0	0	0	%100
125	M161	X	-.449	-.449	0	%100
126	M161	Z	0	0	0	%100
127	M162	X	-.279	-.279	0	%100
128	M162	Z	0	0	0	%100
129	M163	X	-.813	-.813	0	%100
130	M163	Z	0	0	0	%100
131	M164	X	-.813	-.813	0	%100
132	M164	Z	0	0	0	%100
133	M165	X	-.279	-.279	0	%100
134	M165	Z	0	0	0	%100
135	M158A	X	-.468	-.468	0	%100
136	M158A	Z	0	0	0	%100
137	M159A	X	-.468	-.468	0	%100
138	M159A	Z	0	0	0	%100
139	OVP	X	-.469	-.469	0	%100
140	OVP	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	M4	X	-.345	-.345	0	%100
2	M4	Z	-.199	-.199	0	%100
3	M5	X	-.412	-.412	0	%100
4	M5	Z	-.238	-.238	0	%100
5	M10	X	-.345	-.345	0	%100
6	M10	Z	-.199	-.199	0	%100
7	M11	X	-.412	-.412	0	%100
8	M11	Z	-.238	-.238	0	%100
9	M16	X	0	0	0	%100
10	M16	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M18	X	-1.127	-1.127	0	%100
14	M18	Z	-.65	-.65	0	%100
15	M19	X	-.137	-.137	0	%100
16	M19	Z	-.079	-.079	0	%100
17	M20	X	-.548	-.548	0	%100
18	M20	Z	-.316	-.316	0	%100
19	M21	X	-.137	-.137	0	%100
20	M21	Z	-.079	-.079	0	%100
21	M22	X	-.134	-.134	0	%100
22	M22	Z	-.077	-.077	0	%100
23	M23	X	-.537	-.537	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, %]
24	M23	Z	-.31	-.31	0	%100
25	M24	X	-.134	-.134	0	%100
26	M24	Z	-.077	-.077	0	%100
27	M25	X	-.137	-.137	0	%100
28	M25	Z	-.079	-.079	0	%100
29	M26	X	-.548	-.548	0	%100
30	M26	Z	-.316	-.316	0	%100
31	M27	X	-.137	-.137	0	%100
32	M27	Z	-.079	-.079	0	%100
33	M28	X	-.289	-.289	0	%100
34	M28	Z	-.167	-.167	0	%100
35	M29	X	-.29	-.29	0	%100
36	M29	Z	-.167	-.167	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	0	0	0	%100
39	M31	X	0	0	0	%100
40	M31	Z	0	0	0	%100
41	M32	X	-.29	-.29	0	%100
42	M32	Z	-.167	-.167	0	%100
43	M33	X	-.289	-.289	0	%100
44	M33	Z	-.167	-.167	0	%100
45	M38	X	-.471	-.471	0	%100
46	M38	Z	-.272	-.272	0	%100
47	M39	X	-.283	-.283	0	%100
48	M39	Z	-.163	-.163	0	%100
49	M44	X	-.471	-.471	0	%100
50	M44	Z	-.272	-.272	0	%100
51	M45	X	-.283	-.283	0	%100
52	M45	Z	-.163	-.163	0	%100
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	MP5A	X	-.446	-.446	0	%100
58	MP5A	Z	-.257	-.257	0	%100
59	MP4A	X	-.446	-.446	0	%100
60	MP4A	Z	-.257	-.257	0	%100
61	MP3A	X	-.446	-.446	0	%100
62	MP3A	Z	-.257	-.257	0	%100
63	MP2A	X	-.446	-.446	0	%100
64	MP2A	Z	-.257	-.257	0	%100
65	MP1A	X	-.446	-.446	0	%100
66	MP1A	Z	-.257	-.257	0	%100
67	MP5C	X	-.446	-.446	0	%100
68	MP5C	Z	-.257	-.257	0	%100
69	MP4C	X	-.446	-.446	0	%100
70	MP4C	Z	-.257	-.257	0	%100
71	MP3C	X	-.446	-.446	0	%100
72	MP3C	Z	-.257	-.257	0	%100
73	MP2C	X	-.446	-.446	0	%100
74	MP2C	Z	-.257	-.257	0	%100
75	MP1C	X	-.446	-.446	0	%100
76	MP1C	Z	-.257	-.257	0	%100
77	MP5B	X	-.446	-.446	0	%100
78	MP5B	Z	-.257	-.257	0	%100
79	MP4B	X	-.446	-.446	0	%100
80	MP4B	Z	-.257	-.257	0	%100
81	MP3B	X	-.446	-.446	0	%100
82	MP3B	Z	-.257	-.257	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, %]
83	MP2B	X	-.446	-.446	0	%100
84	MP2B	Z	-.257	-.257	0	%100
85	MP1B	X	-.446	-.446	0	%100
86	MP1B	Z	-.257	-.257	0	%100
87	M122A	X	-.282	-.282	0	%100
88	M122A	Z	-.163	-.163	0	%100
89	M123A	X	-.282	-.282	0	%100
90	M123A	Z	-.163	-.163	0	%100
91	M128	X	-.235	-.235	0	%100
92	M128	Z	-.136	-.136	0	%100
93	M129	X	-.236	-.236	0	%100
94	M129	Z	-.136	-.136	0	%100
95	M138	X	-.236	-.236	0	%100
96	M138	Z	-.136	-.136	0	%100
97	M141	X	-.235	-.235	0	%100
98	M141	Z	-.136	-.136	0	%100
99	M150	X	0	0	0	%100
100	M150	Z	0	0	0	%100
101	M153	X	0	0	0	%100
102	M153	Z	0	0	0	%100
103	M100A	X	-.135	-.135	0	%100
104	M100A	Z	-.078	-.078	0	%100
105	M124A	X	-.178	-.178	0	%100
106	M124A	Z	-.103	-.103	0	%100
107	M125A	X	-.711	-.711	0	%100
108	M125A	Z	-.41	-.41	0	%100
109	M126	X	-.178	-.178	0	%100
110	M126	Z	-.103	-.103	0	%100
111	M133	X	-.135	-.135	0	%100
112	M133	Z	-.078	-.078	0	%100
113	M141A	X	-.135	-.135	0	%100
114	M141A	Z	-.078	-.078	0	%100
115	M149A	X	-.54	-.54	0	%100
116	M149A	Z	-.312	-.312	0	%100
117	M157	X	-.178	-.178	0	%100
118	M157	Z	-.103	-.103	0	%100
119	M158	X	-.711	-.711	0	%100
120	M158	Z	-.41	-.41	0	%100
121	M159	X	-.178	-.178	0	%100
122	M159	Z	-.103	-.103	0	%100
123	M160	X	-.648	-.648	0	%100
124	M160	Z	-.374	-.374	0	%100
125	M161	X	-.185	-.185	0	%100
126	M161	Z	-.107	-.107	0	%100
127	M162	X	-.185	-.185	0	%100
128	M162	Z	-.107	-.107	0	%100
129	M163	X	-.648	-.648	0	%100
130	M163	Z	-.374	-.374	0	%100
131	M164	X	-.501	-.501	0	%100
132	M164	Z	-.289	-.289	0	%100
133	M165	X	-.501	-.501	0	%100
134	M165	Z	-.289	-.289	0	%100
135	M158A	X	-.135	-.135	0	%100
136	M158A	Z	-.078	-.078	0	%100
137	M159A	X	-.54	-.54	0	%100
138	M159A	Z	-.312	-.312	0	%100
139	OVP	X	-.406	-.406	0	%100
140	OVP	Z	-.235	-.235	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	M4	X	-.066	-.066	0	%100
2	M4	Z	-.115	-.115	0	%100
3	M5	X	-.079	-.079	0	%100
4	M5	Z	-.137	-.137	0	%100
5	M10	X	-.265	-.265	0	%100
6	M10	Z	-.46	-.46	0	%100
7	M11	X	-.317	-.317	0	%100
8	M11	Z	-.549	-.549	0	%100
9	M16	X	-.066	-.066	0	%100
10	M16	Z	-.115	-.115	0	%100
11	M17	X	-.079	-.079	0	%100
12	M17	Z	-.137	-.137	0	%100
13	M18	X	-.488	-.488	0	%100
14	M18	Z	-.845	-.845	0	%100
15	M19	X	0	0	0	%100
16	M19	Z	0	0	0	%100
17	M20	X	-.237	-.237	0	%100
18	M20	Z	-.411	-.411	0	%100
19	M21	X	-.237	-.237	0	%100
20	M21	Z	-.411	-.411	0	%100
21	M22	X	0	0	0	%100
22	M22	Z	0	0	0	%100
23	M23	X	-.232	-.232	0	%100
24	M23	Z	-.402	-.402	0	%100
25	M24	X	-.232	-.232	0	%100
26	M24	Z	-.402	-.402	0	%100
27	M25	X	0	0	0	%100
28	M25	Z	0	0	0	%100
29	M26	X	-.237	-.237	0	%100
30	M26	Z	-.411	-.411	0	%100
31	M27	X	-.237	-.237	0	%100
32	M27	Z	-.411	-.411	0	%100
33	M28	X	-.055	-.055	0	%100
34	M28	Z	-.096	-.096	0	%100
35	M29	X	-.223	-.223	0	%100
36	M29	Z	-.386	-.386	0	%100
37	M30	X	-.056	-.056	0	%100
38	M30	Z	-.097	-.097	0	%100
39	M31	X	-.055	-.055	0	%100
40	M31	Z	-.096	-.096	0	%100
41	M32	X	-.056	-.056	0	%100
42	M32	Z	-.097	-.097	0	%100
43	M33	X	-.223	-.223	0	%100
44	M33	Z	-.386	-.386	0	%100
45	M38	X	-.091	-.091	0	%100
46	M38	Z	-.157	-.157	0	%100
47	M39	X	-.054	-.054	0	%100
48	M39	Z	-.094	-.094	0	%100
49	M44	X	-.363	-.363	0	%100
50	M44	Z	-.629	-.629	0	%100
51	M45	X	-.218	-.218	0	%100
52	M45	Z	-.377	-.377	0	%100
53	M50	X	-.091	-.091	0	%100
54	M50	Z	-.157	-.157	0	%100
55	M51	X	-.054	-.054	0	%100
56	M51	Z	-.094	-.094	0	%100
57	MP5A	X	-.257	-.257	0	%100
58	MP5A	Z	-.446	-.446	0	%100
59	MP4A	X	-.257	-.257	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	MP4A	Z	-.446	-.446	0	%100
61	MP3A	X	-.257	-.257	0	%100
62	MP3A	Z	-.446	-.446	0	%100
63	MP2A	X	-.257	-.257	0	%100
64	MP2A	Z	-.446	-.446	0	%100
65	MP1A	X	-.257	-.257	0	%100
66	MP1A	Z	-.446	-.446	0	%100
67	MP5C	X	-.257	-.257	0	%100
68	MP5C	Z	-.446	-.446	0	%100
69	MP4C	X	-.257	-.257	0	%100
70	MP4C	Z	-.446	-.446	0	%100
71	MP3C	X	-.257	-.257	0	%100
72	MP3C	Z	-.446	-.446	0	%100
73	MP2C	X	-.257	-.257	0	%100
74	MP2C	Z	-.446	-.446	0	%100
75	MP1C	X	-.257	-.257	0	%100
76	MP1C	Z	-.446	-.446	0	%100
77	MP5B	X	-.257	-.257	0	%100
78	MP5B	Z	-.446	-.446	0	%100
79	MP4B	X	-.257	-.257	0	%100
80	MP4B	Z	-.446	-.446	0	%100
81	MP3B	X	-.257	-.257	0	%100
82	MP3B	Z	-.446	-.446	0	%100
83	MP2B	X	-.257	-.257	0	%100
84	MP2B	Z	-.446	-.446	0	%100
85	MP1B	X	-.257	-.257	0	%100
86	MP1B	Z	-.446	-.446	0	%100
87	M122A	X	-.488	-.488	0	%100
88	M122A	Z	-.845	-.845	0	%100
89	M123A	X	0	0	0	%100
90	M123A	Z	0	0	0	%100
91	M128	X	-.045	-.045	0	%100
92	M128	Z	-.078	-.078	0	%100
93	M129	X	-.045	-.045	0	%100
94	M129	Z	-.079	-.079	0	%100
95	M138	X	-.181	-.181	0	%100
96	M138	Z	-.314	-.314	0	%100
97	M141	X	-.181	-.181	0	%100
98	M141	Z	-.314	-.314	0	%100
99	M150	X	-.045	-.045	0	%100
100	M150	Z	-.079	-.079	0	%100
101	M153	X	-.045	-.045	0	%100
102	M153	Z	-.078	-.078	0	%100
103	M100A	X	-.234	-.234	0	%100
104	M100A	Z	-.405	-.405	0	%100
105	M124A	X	0	0	0	%100
106	M124A	Z	0	0	0	%100
107	M125A	X	-.308	-.308	0	%100
108	M125A	Z	-.533	-.533	0	%100
109	M126	X	-.308	-.308	0	%100
110	M126	Z	-.533	-.533	0	%100
111	M133	X	-.234	-.234	0	%100
112	M133	Z	-.405	-.405	0	%100
113	M141A	X	0	0	0	%100
114	M141A	Z	0	0	0	%100
115	M149A	X	-.234	-.234	0	%100
116	M149A	Z	-.405	-.405	0	%100
117	M157	X	0	0	0	%100
118	M157	Z	0	0	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, %]
119	M158	X	-.308	-.308	0	%100
120	M158	Z	-.533	-.533	0	%100
121	M159	X	-.308	-.308	0	%100
122	M159	Z	-.533	-.533	0	%100
123	M160	X	-.407	-.407	0	%100
124	M160	Z	-.704	-.704	0	%100
125	M161	X	-.139	-.139	0	%100
126	M161	Z	-.242	-.242	0	%100
127	M162	X	-.224	-.224	0	%100
128	M162	Z	-.388	-.388	0	%100
129	M163	X	-.224	-.224	0	%100
130	M163	Z	-.388	-.388	0	%100
131	M164	X	-.139	-.139	0	%100
132	M164	Z	-.242	-.242	0	%100
133	M165	X	-.407	-.407	0	%100
134	M165	Z	-.704	-.704	0	%100
135	M158A	X	0	0	0	%100
136	M158A	Z	0	0	0	%100
137	M159A	X	-.234	-.234	0	%100
138	M159A	Z	-.405	-.405	0	%100
139	OVP	X	-.235	-.235	0	%100
140	OVP	Z	-.406	-.406	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	M30	Y	.844	-.305	.895	1.313
2	M30	Y	-.305	-.586	1.313	1.731
3	M30	Y	-.586	.282	1.731	2.149
4	M30	Y	.282	-8.163	2.149	2.567
5	M30	Y	-8.163	-25.052	2.567	2.985
6	M31	Y	-27.158	-8.816	0	.418
7	M31	Y	-8.816	.355	.418	.836
8	M31	Y	.355	-.201	.836	1.254
9	M31	Y	-.201	.08	1.254	1.672
10	M31	Y	.08	.917	1.672	2.089
11	M150	Y	-12.628	-22.385	0	.233
12	M150	Y	-22.385	-26.703	.233	.467
13	M150	Y	-26.703	-21.812	.467	.7
14	M150	Y	-21.812	-24.456	.7	.933
15	M150	Y	-24.456	-38.402	.933	1.167
16	M153	Y	-34.85	-28.419	0	.233
17	M153	Y	-28.419	-19.983	.233	.467
18	M153	Y	-19.983	-21.81	.467	.7
19	M153	Y	-21.81	-22.618	.7	.933
20	M153	Y	-22.618	-10.136	.933	1.167
21	M30	Y	-7.536	-6.647	1.194	2.089
22	M30	Y	-6.647	-5.759	2.089	2.985
23	M45	Y	-2.339	-2.339	1.391	2.391
24	M30	Y	-44.711	-13.953	2.174	2.289
25	M30	Y	-13.953	-6.848	2.289	2.404
26	M30	Y	-6.848	-6.848	2.404	2.519
27	M30	Y	-6.848	-13.49	2.519	2.634
28	M30	Y	-13.49	-30.128	2.634	2.749
29	M30	Y	-30.128	-33.573	2.749	2.864
30	M45	Y	-7.374	-4.571	0	1.1
31	M45	Y	-4.571	-1.767	1.1	2.2
32	M123A	Y	-14.821	-12.775	0	.3
33	M123A	Y	-12.775	-5.791	.3	.6

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft....]	Start Location[ft.%]	End Location[ft.%]
34	M123A	Y	-5.791	.171	.6	.9
35	M31	Y	-5.759	-6.647	0	.895
36	M31	Y	-6.647	-7.536	.895	1.791
37	M38	Y	-2.339	-2.339	1.391	2.391
38	M31	Y	-33.573	-30.13	.121	.236
39	M31	Y	-30.13	-13.491	.236	.351
40	M31	Y	-13.491	-6.849	.351	.466
41	M31	Y	-6.849	-6.849	.466	.581
42	M31	Y	-6.849	-13.959	.581	.696
43	M31	Y	-13.959	-44.727	.696	.811
44	M38	Y	-7.372	-4.57	0	1.1
45	M38	Y	-4.57	-1.768	1.1	2.2
46	M122A	Y	.171	-5.79	.1	.4
47	M122A	Y	-5.79	-12.774	.4	.7
48	M122A	Y	-12.774	-14.82	.7	1
49	M29	Y	-.021	-8.683	1.194	1.791
50	M29	Y	-8.683	-17.222	1.791	2.388
51	M29	Y	-17.222	-16.974	2.388	2.985
52	M39	Y	-2.983	-2.983	0	.602
53	M122A	Y	-7.594	-2.983	0	.9
54	M29	Y	-1.86	-1.781	.895	1.642
55	M29	Y	-1.781	-1.702	1.642	2.388
56	M39	Y	-3.339	-6.028	0	.495
57	M39	Y	-6.028	-7.069	.495	.99
58	M39	Y	-7.069	-7.503	.99	1.485
59	M39	Y	-7.503	-4.188	1.485	1.98
60	M39	Y	-4.188	-.134	1.98	2.475
61	M122A	Y	-3.306	-2.794	0	.333
62	M122A	Y	-2.794	-1.248	.333	.667
63	M122A	Y	-1.248	.043	.667	1
64	M29	Y	.843	-.316	.895	1.313
65	M29	Y	-.316	-.597	1.313	1.731
66	M29	Y	-.597	.281	1.731	2.149
67	M29	Y	.281	-8.154	2.149	2.567
68	M29	Y	-8.154	-25.023	2.567	2.985
69	M33	Y	-27.282	-8.855	0	.418
70	M33	Y	-8.855	.359	.418	.836
71	M33	Y	.359	-.429	.836	1.254
72	M33	Y	-.429	-.148	1.254	1.672
73	M33	Y	-.148	.921	1.672	2.089
74	M138	Y	-12.554	-22.383	0	.233
75	M138	Y	-22.383	-26.716	.233	.467
76	M138	Y	-26.716	-21.815	.467	.7
77	M138	Y	-21.815	-24.472	.7	.933
78	M138	Y	-24.472	-38.424	.933	1.167
79	M141	Y	-31.544	-30.168	0	.233
80	M141	Y	-30.168	-20.18	.233	.467
81	M141	Y	-20.18	-20.026	.467	.7
82	M141	Y	-20.026	-22.945	.7	.933
83	M141	Y	-22.945	-10.491	.933	1.167
84	M18	Y	.053	.053	.1	.28
85	M18	Y	.053	.053	.28	.46
86	M18	Y	.053	-6.964	.46	.64
87	M18	Y	-6.964	-14.508	.64	.82
88	M18	Y	-14.508	-15.565	.82	1
89	M33	Y	-16.2	-5.027	0	.179
90	M33	Y	-5.027	.559	.179	.358
91	M33	Y	.559	.559	.358	.537
92	M33	Y	.559	.559	.537	.716

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft, %]	End Location[ft, %]
93	M33	Y	.559	.559	.716	.895
94	M33	Y	-15.418	-10.57	0	.895
95	M33	Y	-10.57	-5.722	.895	1.791
96	M50	Y	-11.552	-9.698	0	.825
97	M50	Y	-9.698	-6.336	.825	1.65
98	M50	Y	-6.336	-1.467	1.65	2.475
99	M28	Y	.843	-.316	.895	1.313
100	M28	Y	-.316	-.597	1.313	1.731
101	M28	Y	-.597	.281	1.731	2.149
102	M28	Y	.281	-8.154	2.149	2.567
103	M28	Y	-8.154	-25.023	2.567	2.985
104	M32	Y	-27.295	-8.859	0	.418
105	M32	Y	-8.859	.36	.418	.836
106	M32	Y	.36	-.428	.836	1.254
107	M32	Y	-.428	-.147	1.254	1.672
108	M32	Y	-.147	.922	1.672	2.089
109	M128	Y	-12.554	-22.383	0	.233
110	M128	Y	-22.383	-26.716	.233	.467
111	M128	Y	-26.716	-21.815	.467	.7
112	M128	Y	-21.815	-24.472	.7	.933
113	M128	Y	-24.472	-38.424	.933	1.167
114	M129	Y	-31.545	-30.17	0	.233
115	M129	Y	-30.17	-20.182	.233	.467
116	M129	Y	-20.182	-20.03	.467	.7
117	M129	Y	-20.03	-22.938	.7	.933
118	M129	Y	-22.938	-10.458	.933	1.167
119	M18	Y	-3.306	-2.794	0	.333
120	M18	Y	-2.794	-1.248	.333	.667
121	M18	Y	-1.248	.043	.667	1
122	M28	Y	-1.86	-1.781	.895	1.642
123	M28	Y	-1.781	-1.702	1.642	2.388
124	M51	Y	-3.339	-6.028	0	.495
125	M51	Y	-6.028	-7.069	.495	.99
126	M51	Y	-7.069	-7.503	.99	1.485
127	M51	Y	-7.503	-4.188	1.485	1.98
128	M51	Y	-4.188	-.134	1.98	2.475
129	M18	Y	-4.508	-6.028	0	.9
130	M28	Y	-.025	-8.713	1.194	1.791
131	M28	Y	-8.713	-17.248	1.791	2.388
132	M28	Y	-17.248	-16.942	2.388	2.985
133	M51	Y	-2.988	-2.988	0	.599
134	M32	Y	-1.702	-1.781	.597	1.343
135	M32	Y	-1.781	-1.86	1.343	2.089
136	M44	Y	-3.339	-6.028	0	.495
137	M44	Y	-6.028	-7.069	.495	.99
138	M44	Y	-7.069	-7.503	.99	1.485
139	M44	Y	-7.503	-4.188	1.485	1.98
140	M44	Y	-4.188	-.134	1.98	2.475
141	M123A	Y	.043	-1.248	0	.333
142	M123A	Y	-1.248	-2.794	.333	.667
143	M123A	Y	-2.794	-3.306	.667	1
144	M32	Y	-16.942	-17.248	0	.597
145	M32	Y	-17.248	-8.713	.597	1.194
146	M32	Y	-8.713	-.025	1.194	1.791
147	M44	Y	-2.988	-2.988	0	.599
148	M123A	Y	-7.549	-2.988	1	1

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.)
RISA-3D Version 17.0.4	1	Rev. 0	RISA\5000385141-VZW	MT	LO

H.r3d Page 209



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, %]
1	M30	Y	1.22	-.441	.895	1.313
2	M30	Y	-.441	-.847	1.313	1.731
3	M30	Y	-.847	.408	1.731	2.149
4	M30	Y	.408	-11.791	2.149	2.567
5	M30	Y	-11.791	-36.186	2.567	2.985
6	M31	Y	-39.229	-12.735	0	.418
7	M31	Y	-12.735	.513	.418	.836
8	M31	Y	.513	-.29	.836	1.254
9	M31	Y	-.29	.116	1.254	1.672
10	M31	Y	.116	1.325	1.672	2.089
11	M150	Y	-18.24	-32.334	0	.233
12	M150	Y	-32.334	-38.57	.233	.467
13	M150	Y	-38.57	-31.507	.467	.7
14	M150	Y	-31.507	-35.326	.7	.933
15	M150	Y	-35.326	-55.469	.933	1.167
16	M153	Y	-50.338	-41.05	0	.233
17	M153	Y	-41.05	-28.864	.233	.467
18	M153	Y	-28.864	-31.504	.467	.7
19	M153	Y	-31.504	-32.671	.7	.933
20	M153	Y	-32.671	-14.64	.933	1.167
21	M30	Y	-10.885	-9.602	1.194	2.089
22	M30	Y	-9.602	-8.318	2.089	2.985
23	M45	Y	-3.379	-3.379	1.391	2.391
24	M30	Y	-64.582	-20.155	2.174	2.289
25	M30	Y	-20.155	-9.892	2.289	2.404
26	M30	Y	-9.892	-9.892	2.404	2.519
27	M30	Y	-9.892	-19.485	2.519	2.634
28	M30	Y	-19.485	-43.518	2.634	2.749
29	M30	Y	-43.518	-48.495	2.749	2.864
30	M45	Y	-10.652	-6.602	0	1.1
31	M45	Y	-6.602	-2.552	1.1	2.2
32	M123A	Y	-21.409	-18.453	0	.3
33	M123A	Y	-18.453	-8.364	.3	.6
34	M123A	Y	-8.364	.246	.6	.9
35	M31	Y	-8.318	-9.602	0	.895
36	M31	Y	-9.602	-10.885	.895	1.791
37	M38	Y	-3.379	-3.379	1.391	2.391
38	M31	Y	-48.494	-43.521	.121	.236
39	M31	Y	-43.521	-19.487	.236	.351
40	M31	Y	-19.487	-9.893	.351	.466
41	M31	Y	-9.893	-9.893	.466	.581
42	M31	Y	-9.893	-20.163	.581	.696
43	M31	Y	-20.163	-64.606	.696	.811
44	M38	Y	-10.649	-6.601	0	1.1
45	M38	Y	-6.601	-2.554	1.1	2.2
46	M122A	Y	.246	-8.364	.1	.4
47	M122A	Y	-8.364	-18.452	.4	.7
48	M122A	Y	-18.452	-21.407	.7	1
49	M29	Y	-.03	-12.542	1.194	1.791
50	M29	Y	-12.542	-24.876	1.791	2.388
51	M29	Y	-24.876	-24.519	2.388	2.985
52	M39	Y	-4.308	-4.308	0	.602
53	M122A	Y	-10.968	-4.308	0	.9
54	M29	Y	-2.686	-2.572	.895	1.642
55	M29	Y	-2.572	-2.458	1.642	2.388
56	M39	Y	-4.823	-8.708	0	.495
57	M39	Y	-8.708	-10.21	.495	.99
58	M39	Y	-10.21	-10.838	.99	1.485
59	M39	Y	-10.838	-6.05	1.485	1.98

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.%]
60	M39	Y	-6.05	-.194	1.98	2.475
61	M122A	Y	-4.775	-4.036	0	.333
62	M122A	Y	-4.036	-1.802	.333	.667
63	M122A	Y	-1.802	.062	.667	1
64	M29	Y	1.218	-.456	.895	1.313
65	M29	Y	-.456	-.862	1.313	1.731
66	M29	Y	-.862	.406	1.731	2.149
67	M29	Y	.406	-11.777	2.149	2.567
68	M29	Y	-11.777	-36.144	2.567	2.985
69	M33	Y	-39.407	-12.79	0	.418
70	M33	Y	-12.79	.519	.418	.836
71	M33	Y	.519	-.619	.836	1.254
72	M33	Y	-.619	-.214	1.254	1.672
73	M33	Y	-.214	1.331	1.672	2.089
74	M138	Y	-18.134	-32.331	0	.233
75	M138	Y	-32.331	-38.59	.233	.467
76	M138	Y	-38.59	-31.511	.467	.7
77	M138	Y	-31.511	-35.348	.7	.933
78	M138	Y	-35.348	-55.501	.933	1.167
79	M141	Y	-45.564	-43.577	0	.233
80	M141	Y	-43.577	-29.149	.233	.467
81	M141	Y	-29.149	-28.926	.467	.7
82	M141	Y	-28.926	-33.143	.7	.933
83	M141	Y	-33.143	-15.154	.933	1.167
84	M18	Y	.076	.076	.1	.28
85	M18	Y	.076	.076	.28	.46
86	M18	Y	.076	-10.059	.46	.64
87	M18	Y	-10.059	-20.957	.64	.82
88	M18	Y	-20.957	-22.482	.82	1
89	M33	Y	-23.399	-7.262	0	.179
90	M33	Y	-7.262	.807	.179	.358
91	M33	Y	.807	.807	.358	.537
92	M33	Y	.807	.807	.537	.716
93	M33	Y	.807	.807	.716	.895
94	M33	Y	-22.271	-15.268	0	.895
95	M33	Y	-15.268	-8.266	.895	1.791
96	M50	Y	-16.687	-14.008	0	.825
97	M50	Y	-14.008	-9.152	.825	1.65
98	M50	Y	-9.152	-2.119	1.65	2.475
99	M28	Y	1.218	-.456	.895	1.313
100	M28	Y	-.456	-.862	1.313	1.731
101	M28	Y	-.862	.406	1.731	2.149
102	M28	Y	.406	-11.777	2.149	2.567
103	M28	Y	-11.777	-36.144	2.567	2.985
104	M32	Y	-39.425	-12.796	0	.418
105	M32	Y	-12.796	.52	.418	.836
106	M32	Y	.52	-.619	.836	1.254
107	M32	Y	-.619	-.213	1.254	1.672
108	M32	Y	-.213	1.331	1.672	2.089
109	M128	Y	-18.134	-32.331	0	.233
110	M128	Y	-32.331	-38.59	.233	.467
111	M128	Y	-38.59	-31.511	.467	.7
112	M128	Y	-31.511	-35.348	.7	.933
113	M128	Y	-35.348	-55.501	.933	1.167
114	M129	Y	-45.566	-43.579	0	.233
115	M129	Y	-43.579	-29.151	.233	.467
116	M129	Y	-29.151	-28.932	.467	.7
117	M129	Y	-28.932	-33.133	.7	.933
118	M129	Y	-33.133	-15.106	.933	1.167

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.%]
119	M18	Y	-4.775	-4.036	0	.333
120	M18	Y	-4.036	-1.802	.333	.667
121	M18	Y	-1.802	.062	.667	1
122	M28	Y	-2.686	-2.572	.895	1.642
123	M28	Y	-2.572	-2.458	1.642	2.388
124	M51	Y	-4.823	-8.708	0	.495
125	M51	Y	-8.708	-10.21	.495	.99
126	M51	Y	-10.21	-10.838	.99	1.485
127	M51	Y	-10.838	-6.05	1.485	1.98
128	M51	Y	-6.05	-.194	1.98	2.475
129	M18	Y	-6.511	-8.708	0	.9
130	M28	Y	-.037	-12.585	1.194	1.791
131	M28	Y	-12.585	-24.913	1.791	2.388
132	M28	Y	-24.913	-24.472	2.388	2.985
133	M51	Y	-4.315	-4.315	0	.599
134	M32	Y	-2.458	-2.572	.597	1.343
135	M32	Y	-2.572	-2.686	1.343	2.089
136	M44	Y	-4.823	-8.708	0	.495
137	M44	Y	-8.708	-10.21	.495	.99
138	M44	Y	-10.21	-10.838	.99	1.485
139	M44	Y	-10.838	-6.05	1.485	1.98
140	M44	Y	-6.05	-.194	1.98	2.475
141	M123A	Y	.062	-1.802	0	.333
142	M123A	Y	-1.802	-4.036	.333	.667
143	M123A	Y	-4.036	-4.775	.667	1
144	M32	Y	-24.472	-24.913	0	.597
145	M32	Y	-24.913	-12.585	.597	1.194
146	M32	Y	-12.585	-.037	1.194	1.791
147	M44	Y	-4.315	-4.315	0	.599
148	M123A	Y	-10.904	-4.315	.1	1

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	M20	Z	.003	.003	3.267	3.733
2	M20	Z	.003	-.013	3.733	4.2
3	M20	Z	-.013	-.044	4.2	4.667
4	M23	Z	-.13	-.191	0	.88
5	M23	Z	-.191	-.23	.88	1.761
6	M23	Z	-.23	-.244	1.761	2.641
7	M23	Z	-.244	-.192	2.641	3.522
8	M23	Z	-.192	-.075	3.522	4.402
9	M26	Z	-.047	-.014	0	.467
10	M26	Z	-.014	.003	.467	.933
11	M26	Z	.003	.003	.933	1.4
12	M30	Z	-.0001349	-.002	.895	1.313
13	M30	Z	-.002	-.007	1.313	1.731
14	M30	Z	-.007	-.01	1.731	2.149
15	M30	Z	-.01	-.009	2.149	2.567
16	M30	Z	-.009	-.006	2.567	2.985
17	M31	Z	-.006	-.009	0	.418
18	M31	Z	-.009	-.01	.418	.836
19	M31	Z	-.01	-.007	.836	1.254
20	M31	Z	-.007	-.002	1.254	1.672
21	M31	Z	-.002	-.0001254	1.672	2.089
22	M148	Z	-.2	-.009	0	.125
23	M149	Z	-.074	-.009	0	.125
24	M150	Z	-.034	-.085	0	.233
25	M150	Z	-.085	-.128	.233	.467

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,%]
26	M150	Z	-.128	-.166	.467	.7
27	M150	Z	-.166	-.198	.7	.933
28	M150	Z	-.198	-.223	.933	1.167
29	M151	Z	-.149	-.085	0	.125
30	M152	Z	.002	-.046	0	.062
31	M152	Z	-.046	-.102	.062	.125
32	M153	Z	-.254	-.186	0	.233
33	M153	Z	-.186	-.142	.233	.467
34	M153	Z	-.142	-.115	.467	.7
35	M153	Z	-.115	-.086	.7	.933
36	M153	Z	-.086	-.059	.933	1.167
37	M30	Z	-.096	-.104	1.194	2.089
38	M30	Z	-.104	-.111	2.089	2.985
39	M45	Z	-.22	-.22	2.473	2.75
40	M26	Z	-.006	-.101	.467	1.307
41	M26	Z	-.101	-.149	1.307	2.147
42	M26	Z	-.149	-.103	2.147	2.987
43	M26	Z	-.103	-.049	2.987	3.827
44	M26	Z	-.049	-.015	3.827	4.667
45	M45	Z	-.025	-.073	0	.917
46	M45	Z	-.073	-.084	.917	1.833
47	M45	Z	-.084	-.06	1.833	2.75
48	M31	Z	-.111	-.104	0	.895
49	M31	Z	-.104	-.096	.895	1.791
50	M37	Z	-.09	-.09	0	.229
51	M38	Z	-.115	-.115	2.398	2.75
52	M20	Z	-.015	-.049	0	.84
53	M20	Z	-.049	-.103	.84	1.68
54	M20	Z	-.103	-.149	1.68	2.52
55	M20	Z	-.149	-.101	2.52	3.36
56	M20	Z	-.101	-.006	3.36	4.2
57	M38	Z	-.025	-.072	0	.917
58	M38	Z	-.072	-.084	.917	1.833
59	M38	Z	-.084	-.06	1.833	2.75
60	M25	Z	-.144	-.115	.933	1.867
61	M25	Z	-.115	-.102	1.867	2.8
62	M25	Z	-.102	-.061	2.8	3.733
63	M25	Z	-.061	-.000387	3.733	4.667
64	M29	Z	-.103	-.103	1.605	2.984
65	M25	Z	-.007	-.015	3.267	3.967
66	M25	Z	-.015	-.023	3.967	4.667
67	M29	Z	-.083	-.083	1.494	1.778
68	M34	Z	-.155	-.155	0	.229
69	M35	Z	-.02	-.02	0	.229
70	M39	Z	-.003	-.06	0	.55
71	M39	Z	-.06	-.092	.55	1.1
72	M39	Z	-.092	-.098	1.1	1.65
73	M39	Z	-.098	-.102	1.65	2.2
74	M39	Z	-.102	-.101	2.2	2.75
75	M19	Z	.002	.002	3.267	3.733
76	M19	Z	.002	-.011	3.733	4.2
77	M19	Z	-.011	-.036	4.2	4.667
78	M22	Z	-.131	-.192	0	.88
79	M22	Z	-.192	-.23	.88	1.761
80	M22	Z	-.23	-.244	1.761	2.641
81	M22	Z	-.244	-.192	2.641	3.522
82	M22	Z	-.192	-.075	3.522	4.402
83	M25	Z	-.047	-.014	0	.467
84	M25	Z	-.014	.003	.467	.933

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.%]
85	M25	Z	.003	.003	.933	1.4
86	M29	Z	-.0001351	-.002	.895	1.313
87	M29	Z	-.002	-.007	1.313	1.731
88	M29	Z	-.007	-.01	1.731	2.149
89	M29	Z	-.01	-.009	2.149	2.567
90	M29	Z	-.009	-.006	2.567	2.985
91	M33	Z	-.006	-.009	0	.418
92	M33	Z	-.009	-.01	.418	.836
93	M33	Z	-.01	-.007	.836	1.254
94	M33	Z	-.007	-.002	1.254	1.672
95	M33	Z	-.002	-.0001332	1.672	2.089
96	M136	Z	-.244	-.009	0	.125
97	M137	Z	-.074	-.009	0	.125
98	M138	Z	-.035	-.086	0	.233
99	M138	Z	-.086	-.129	.233	.467
100	M138	Z	-.129	-.169	.467	.7
101	M138	Z	-.169	-.194	.7	.933
102	M138	Z	-.194	-.2	.933	1.167
103	M139	Z	-.146	-.086	0	.125
104	M140	Z	-.05	-.05	.024	.125
105	M141	Z	-.251	-.184	0	.233
106	M141	Z	-.184	-.14	.233	.467
107	M141	Z	-.14	-.114	.467	.7
108	M141	Z	-.114	-.093	.7	.933
109	M141	Z	-.093	-.081	.933	1.167
110	M19	Z	-.031	-.041	0	.933
111	M19	Z	-.041	-.035	.933	1.867
112	M19	Z	-.035	-.02	1.867	2.8
113	M19	Z	-.02	-.009	2.8	3.733
114	M19	Z	-.009	-.0006224	3.733	4.667
115	M50	Z	-.042	-.042	0	.282
116	M19	Z	-.033	-.074	1.072	1.706
117	M19	Z	-.074	-.105	1.706	2.34
118	M19	Z	-.105	-.11	2.34	2.973
119	M19	Z	-.11	-.098	2.973	3.607
120	M33	Z	-.142	-.074	0	1.791
121	M50	Z	-.0007956	-.085	0	1.375
122	M50	Z	-.085	-.168	1.375	2.75
123	M21	Z	.002	.002	3.267	3.733
124	M21	Z	.002	-.011	3.733	4.2
125	M21	Z	-.011	-.036	4.2	4.667
126	M24	Z	-.131	-.192	0	.88
127	M24	Z	-.192	-.23	.88	1.761
128	M24	Z	-.23	-.244	1.761	2.641
129	M24	Z	-.244	-.192	2.641	3.522
130	M24	Z	-.192	-.075	3.522	4.402
131	M27	Z	-.047	-.014	0	.467
132	M27	Z	-.014	.003	.467	.933
133	M27	Z	.003	.003	.933	1.4
134	M28	Z	-.0001351	-.002	.895	1.313
135	M28	Z	-.002	-.007	1.313	1.731
136	M28	Z	-.007	-.01	1.731	2.149
137	M28	Z	-.01	-.009	2.149	2.567
138	M28	Z	-.009	-.006	2.567	2.985
139	M32	Z	-.006	-.009	0	.418
140	M32	Z	-.009	-.01	.418	.836
141	M32	Z	-.01	-.007	.836	1.254
142	M32	Z	-.007	-.002	1.254	1.672
143	M32	Z	-.002	-.0001288	1.672	2.089

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.%]
144	M124	Z	-.224	-.009	0	.125
145	M125	Z	-.074	-.009	0	.125
146	M128	Z	-.035	-.085	0	.233
147	M128	Z	-.085	-.129	.233	.467
148	M128	Z	-.129	-.169	.467	.7
149	M128	Z	-.169	-.196	.7	.933
150	M128	Z	-.196	-.208	.933	1.167
151	M127	Z	-.146	-.085	0	.125
152	M128A	Z	.0001028	-.04	0	.063
153	M128A	Z	-.04	-.081	.063	.125
154	M129	Z	-.251	-.184	0	.233
155	M129	Z	-.184	-.14	.233	.467
156	M129	Z	-.14	-.114	.467	.7
157	M129	Z	-.114	-.093	.7	.933
158	M129	Z	-.093	-.08	.933	1.167
159	M27	Z	-.007	-.015	3.267	3.967
160	M27	Z	-.015	-.023	3.967	4.667
161	M28	Z	-.083	-.083	1.494	1.778
162	M46	Z	-.155	-.155	0	.229
163	M47	Z	-.02	-.02	0	.229
164	M51	Z	-.003	-.06	0	.55
165	M51	Z	-.06	-.092	.55	1.1
166	M51	Z	-.092	-.098	1.1	1.65
167	M51	Z	-.098	-.102	1.65	2.2
168	M51	Z	-.102	-.101	2.2	2.75
169	M27	Z	-.144	-.114	.933	1.867
170	M27	Z	-.114	-.102	1.867	2.8
171	M27	Z	-.102	-.061	2.8	3.733
172	M27	Z	-.061	-.0003614	3.733	4.667
173	M28	Z	-.104	-.104	1.607	2.984
174	M21	Z	-.013	-.013	0	1.4
175	M32	Z	-.083	-.083	1.207	1.491
176	M42	Z	-.02	-.02	0	.229
177	M43	Z	-.155	-.155	0	.229
178	M44	Z	-.003	-.06	0	.55
179	M44	Z	-.06	-.092	.55	1.1
180	M44	Z	-.092	-.098	1.1	1.65
181	M44	Z	-.098	-.102	1.65	2.2
182	M44	Z	-.102	-.101	2.2	2.75
183	M77	Z	-.012	-.012	0	.292
184	M21	Z	-.0003614	-.061	0	.933
185	M21	Z	-.061	-.102	.933	1.867
186	M21	Z	-.102	-.114	1.867	2.8
187	M21	Z	-.114	-.144	2.8	3.733
188	M32	Z	-.104	-.104	.0007947	1.378

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	M20	X	-.003	-.003	3.267	3.733
2	M20	X	-.003	.013	3.733	4.2
3	M20	X	.013	.044	4.2	4.667
4	M23	X	.13	.191	0	.88
5	M23	X	.191	.23	.88	1.761
6	M23	X	.23	.244	1.761	2.641
7	M23	X	.244	.192	2.641	3.522
8	M23	X	.192	.075	3.522	4.402
9	M26	X	.047	.014	0	.467
10	M26	X	.014	-.003	.467	.933

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, %]
11	M26	X	-.003	-.003	.933	1.4
12	M30	X	.0001349	.002	.895	1.313
13	M30	X	.002	.007	1.313	1.731
14	M30	X	.007	.01	1.731	2.149
15	M30	X	.01	.009	2.149	2.567
16	M30	X	.009	.006	2.567	2.985
17	M31	X	.006	.009	0	.418
18	M31	X	.009	.01	.418	.836
19	M31	X	.01	.007	.836	1.254
20	M31	X	.007	.002	1.254	1.672
21	M31	X	.002	.0001254	1.672	2.089
22	M148	X	.2	.009	0	.125
23	M149	X	.074	.009	0	.125
24	M150	X	.034	.085	0	.233
25	M150	X	.085	.128	.233	.467
26	M150	X	.128	.166	.467	.7
27	M150	X	.166	.198	.7	.933
28	M150	X	.198	.223	.933	1.167
29	M151	X	.149	.085	0	.125
30	M152	X	-.002	.046	0	.062
31	M152	X	.046	.102	.062	.125
32	M153	X	.254	.186	0	.233
33	M153	X	.186	.142	.233	.467
34	M153	X	.142	.115	.467	.7
35	M153	X	.115	.086	.7	.933
36	M153	X	.086	.059	.933	1.167
37	M30	X	.096	.104	1.194	2.089
38	M30	X	.104	.111	2.089	2.985
39	M45	X	.22	.22	2.473	2.75
40	M26	X	.006	.101	.467	1.307
41	M26	X	.101	.149	1.307	2.147
42	M26	X	.149	.103	2.147	2.987
43	M26	X	.103	.049	2.987	3.827
44	M26	X	.049	.015	3.827	4.667
45	M45	X	.025	.073	0	.917
46	M45	X	.073	.084	.917	1.833
47	M45	X	.084	.06	1.833	2.75
48	M31	X	.111	.104	0	.895
49	M31	X	.104	.096	.895	1.791
50	M37	X	.09	.09	0	.229
51	M38	X	.115	.115	2.398	2.75
52	M20	X	.015	.049	0	.84
53	M20	X	.049	.103	.84	1.68
54	M20	X	.103	.149	1.68	2.52
55	M20	X	.149	.101	2.52	3.36
56	M20	X	.101	.006	3.36	4.2
57	M38	X	.025	.072	0	.917
58	M38	X	.072	.084	.917	1.833
59	M38	X	.084	.06	1.833	2.75
60	M25	X	.144	.115	.933	1.867
61	M25	X	.115	.102	1.867	2.8
62	M25	X	.102	.061	2.8	3.733
63	M25	X	.061	.000387	3.733	4.667
64	M29	X	.103	.103	1.605	2.984
65	M25	X	.007	.015	3.267	3.967
66	M25	X	.015	.023	3.967	4.667
67	M29	X	.083	.083	1.494	1.778
68	M34	X	.155	.155	0	.229
69	M35	X	.02	.02	0	.229

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.%]
70	M39	X	.003	.06	0	.55
71	M39	X	.06	.092	.55	1.1
72	M39	X	.092	.098	1.1	1.65
73	M39	X	.098	.102	1.65	2.2
74	M39	X	.102	.101	2.2	2.75
75	M19	X	-.002	-.002	3.267	3.733
76	M19	X	-.002	.011	3.733	4.2
77	M19	X	.011	.036	4.2	4.667
78	M22	X	.131	.192	0	.88
79	M22	X	.192	.23	.88	1.761
80	M22	X	.23	.244	1.761	2.641
81	M22	X	.244	.192	2.641	3.522
82	M22	X	.192	.075	3.522	4.402
83	M25	X	.047	.014	0	.467
84	M25	X	.014	-.003	.467	.933
85	M25	X	-.003	-.003	.933	1.4
86	M29	X	.0001351	.002	.895	1.313
87	M29	X	.002	.007	1.313	1.731
88	M29	X	.007	.01	1.731	2.149
89	M29	X	.01	.009	2.149	2.567
90	M29	X	.009	.006	2.567	2.985
91	M33	X	.006	.009	0	.418
92	M33	X	.009	.01	.418	.836
93	M33	X	.01	.007	.836	1.254
94	M33	X	.007	.002	1.254	1.672
95	M33	X	.002	.0001332	1.672	2.089
96	M136	X	.244	.009	0	.125
97	M137	X	.074	.009	0	.125
98	M138	X	.035	.086	0	.233
99	M138	X	.086	.129	.233	.467
100	M138	X	.129	.169	.467	.7
101	M138	X	.169	.194	.7	.933
102	M138	X	.194	.2	.933	1.167
103	M139	X	.146	.086	0	.125
104	M140	X	.05	.05	.024	.125
105	M141	X	.251	.184	0	.233
106	M141	X	.184	.14	.233	.467
107	M141	X	.14	.114	.467	.7
108	M141	X	.114	.093	.7	.933
109	M141	X	.093	.081	.933	1.167
110	M19	X	.031	.041	0	.933
111	M19	X	.041	.035	.933	1.867
112	M19	X	.035	.02	1.867	2.8
113	M19	X	.02	.009	2.8	3.733
114	M19	X	.009	.0006224	3.733	4.667
115	M50	X	.042	.042	0	.282
116	M19	X	.033	.074	1.072	1.706
117	M19	X	.074	.105	1.706	2.34
118	M19	X	.105	.11	2.34	2.973
119	M19	X	.11	.098	2.973	3.607
120	M33	X	.142	.074	0	1.791
121	M50	X	.0007956	.085	0	1.375
122	M50	X	.085	.168	1.375	2.75
123	M21	X	-.002	-.002	3.267	3.733
124	M21	X	-.002	.011	3.733	4.2
125	M21	X	.011	.036	4.2	4.667
126	M24	X	.131	.192	0	.88
127	M24	X	.192	.23	.88	1.761
128	M24	X	.23	.244	1.761	2.641

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,%]
129	M24	X	.244	.192	2.641	3.522
130	M24	X	.192	.075	3.522	4.402
131	M27	X	.047	.014	0	.467
132	M27	X	.014	-.003	.467	.933
133	M27	X	-.003	-.003	.933	1.4
134	M28	X	.0001351	.002	.895	1.313
135	M28	X	.002	.007	1.313	1.731
136	M28	X	.007	.01	1.731	2.149
137	M28	X	.01	.009	2.149	2.567
138	M28	X	.009	.006	2.567	2.985
139	M32	X	.006	.009	0	.418
140	M32	X	.009	.01	.418	.836
141	M32	X	.01	.007	.836	1.254
142	M32	X	.007	.002	1.254	1.672
143	M32	X	.002	.0001288	1.672	2.089
144	M124	X	.224	.009	0	.125
145	M125	X	.074	.009	0	.125
146	M128	X	.035	.085	0	.233
147	M128	X	.085	.129	.233	.467
148	M128	X	.129	.169	.467	.7
149	M128	X	.169	.196	.7	.933
150	M128	X	.196	.208	.933	1.167
151	M127	X	.146	.085	0	.125
152	M128A	X	-.0001028	.04	0	.063
153	M128A	X	.04	.081	.063	.125
154	M129	X	.251	.184	0	.233
155	M129	X	.184	.14	.233	.467
156	M129	X	.14	.114	.467	.7
157	M129	X	.114	.093	.7	.933
158	M129	X	.093	.08	.933	1.167
159	M27	X	.007	.015	3.267	3.967
160	M27	X	.015	.023	3.967	4.667
161	M28	X	.083	.083	1.494	1.778
162	M46	X	.155	.155	0	.229
163	M47	X	.02	.02	0	.229
164	M51	X	.003	.06	0	.55
165	M51	X	.06	.092	.55	1.1
166	M51	X	.092	.098	1.1	1.65
167	M51	X	.098	.102	1.65	2.2
168	M51	X	.102	.101	2.2	2.75
169	M27	X	.144	.114	.933	1.867
170	M27	X	.114	.102	1.867	2.8
171	M27	X	.102	.061	2.8	3.733
172	M27	X	.061	.0003614	3.733	4.667
173	M28	X	.104	.104	1.607	2.984
174	M21	X	.013	.013	0	1.4
175	M32	X	.083	.083	1.207	1.491
176	M42	X	.02	.02	0	.229
177	M43	X	.155	.155	0	.229
178	M44	X	.003	.06	0	.55
179	M44	X	.06	.092	.55	1.1
180	M44	X	.092	.098	1.1	1.65
181	M44	X	.098	.102	1.65	2.2
182	M44	X	.102	.101	2.2	2.75
183	M77	X	.012	.012	0	.292
184	M21	X	.0003614	.061	0	.933
185	M21	X	.061	.102	.933	1.867
186	M21	X	.102	.114	1.867	2.8
187	M21	X	.114	.144	2.8	3.733

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.%]
188	M32	X	.104	.104	.0007947	1.378

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57A	N57	N85	N89	Y	A-B	-.009
2	N85	N86	N57		Y	A-B	-.009
3	N57	N88	N74	N86	Y	A-B	-.009
4	N90	N89	N57A		Y	A-B	-.009
5	N91	N57A	N90	N64	Y	A-B	-.009
6	N84	N55	N81A		Y	A-B	-.009
7	N81A	N82	N66	N84	Y	A-B	-.009
8	N55	N60	N95	N81A	Y	A-B	-.009
9	N60	N97	N79		Y	A-B	-.009
10	N95	N96	N79	N60	Y	A-B	-.009
11	N53	N58	N60A	N59	Y	A-B	-.009
12	N59	N67	N81	N80A	Y	A-B	-.009
13	N53	N80A	N59		Y	A-B	-.009
14	N60A	N92	N72	N93	Y	A-B	-.009
15	N58	N93	N60A		Y	A-B	-.009

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57A	N57	N85	N89	Y	A-B	-.013
2	N85	N86	N57		Y	A-B	-.013
3	N57	N88	N74	N86	Y	A-B	-.013
4	N90	N89	N57A		Y	A-B	-.013
5	N91	N57A	N90	N64	Y	A-B	-.013
6	N84	N55	N81A		Y	A-B	-.013
7	N81A	N82	N66	N84	Y	A-B	-.013
8	N55	N60	N95	N81A	Y	A-B	-.013
9	N60	N97	N79		Y	A-B	-.013
10	N95	N96	N79	N60	Y	A-B	-.013
11	N53	N58	N60A	N59	Y	A-B	-.013
12	N59	N67	N81	N80A	Y	A-B	-.013
13	N53	N80A	N59		Y	A-B	-.013
14	N60A	N92	N72	N93	Y	A-B	-.013
15	N58	N93	N60A		Y	A-B	-.013

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57A	N57	N85	N89	Y	Two Way	0
2	N85	N86	N57		Y	Two Way	0
3	N57	N88	N74	N86	Y	Two Way	0
4	N90	N89	N57A		Y	Two Way	0
5	N91	N57A	N90	N64	Y	Two Way	0
6	N84	N55	N81A		Y	Two Way	0
7	N81A	N82	N66	N84	Y	Two Way	0
8	N55	N60	N95	N81A	Y	Two Way	0
9	N60	N97	N79		Y	Two Way	0
10	N95	N96	N79	N60	Y	Two Way	0
11	N53	N58	N60A	N59	Y	Two Way	0
12	N59	N67	N81	N80A	Y	Two Way	0
13	N53	N80A	N59		Y	Two Way	0
14	N60A	N92	N72	N93	Y	Two Way	0
15	N58	N93	N60A		Y	Two Way	0

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57A	N57	N85	N89	Z	Two Way	-.000156
2	N85	N86	N57		Z	Two Way	-.000156
3	N57	N88	N74	N86	Z	Two Way	-.000156
4	N90	N89	N57A		Z	Two Way	-.000156
5	N91	N57A	N90	N64	Z	Two Way	-.000156
6	N84	N55	N81A		Z	Two Way	-.000156
7	N81A	N82	N66	N84	Z	Two Way	-.000156
8	N55	N60	N95	N81A	Z	Two Way	-.000156
9	N60	N97	N79		Z	Two Way	-.000156
10	N95	N96	N79	N60	Z	Two Way	-.000156
11	N53	N58	N60A	N59	Z	Two Way	-.000156
12	N59	N67	N81	N80A	Z	Two Way	-.000156
13	N53	N80A	N59		Z	Two Way	-.000156
14	N60A	N92	N72	N93	Z	Two Way	-.000156
15	N58	N93	N60A		Z	Two Way	-.000156

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57A	N57	N85	N89	X	Two Way	.000156
2	N85	N86	N57		X	Two Way	.000156
3	N57	N88	N74	N86	X	Two Way	.000156
4	N90	N89	N57A		X	Two Way	.000156
5	N91	N57A	N90	N64	X	Two Way	.000156
6	N84	N55	N81A		X	Two Way	.000156
7	N81A	N82	N66	N84	X	Two Way	.000156
8	N55	N60	N95	N81A	X	Two Way	.000156
9	N60	N97	N79		X	Two Way	.000156
10	N95	N96	N79	N60	X	Two Way	.000156
11	N53	N58	N60A	N59	X	Two Way	.000156
12	N59	N67	N81	N80A	X	Two Way	.000156
13	N53	N80A	N59		X	Two Way	.000156
14	N60A	N92	N72	N93	X	Two Way	.000156
15	N58	N93	N60A		X	Two Way	.000156

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	N2	max	1279.24	10	736.654	20	2784.437	1	1.802	13	1.136	4	.343	4
2		min	-1289.846	4	267.958	64	-2769.232	7	.225	7	-1.049	10	-.332	10
3	N177A	max	2368.392	9	705.101	16	1717.877	2	-.026	1	1.146	12	-.232	3
4		min	-2316.579	3	257.582	72	-1736.247	8	-.927	19	-1.059	6	-1.563	21
5	N179A	max	2433.13	11	703.133	23	1522.269	1	-.053	1	1.137	8	1.557	16
6		min	-2446.678	5	256.971	68	-1555.341	7	-.925	19	-1.042	2	.195	10
7	N288	max	482.003	40	3165.095	19	3523.138	19	0	19	0	4	0	4
8		min	-364.322	34	1082.764	64	1203.081	64	0	1	0	10	0	10
9	N289	max	3063.545	15	3145.824	15	-534.32	6	0	12	0	12	0	9
10		min	1045.02	72	1074.778	72	-1698.572	24	0	18	0	6	0	15
11	N290	max	-1030.316	68	3157.402	23	-576.918	8	0	2	0	8	0	22
12		min	-3023.629	23	1078.609	68	-1819.785	14	0	8	0	2	0	4
13	Totals:	max	5177.723	10	11260.81	22	5185.684	1						
14		min	-5177.723	4	4046.149	68	-5185.687	7						

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

Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [l...	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M4	HSS3X3X6	.186	0	15	.072	0	z	4	131290.8...	140346	11.213	11.213	2... H1-1b
2	M5	HSS3X3X6	.050	1.465	20	.038	.38	z	4	110885.0...	140346	11.213	11.213	1... H1-1b



July 3, 2023
4:46 PM
Checked By:

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

	Member	Shape	Code C...	Locftf	LC	Shear ...	Locftf	Dir	LC	phi°Pnc l...	phi°Pnt l(b)	phi°Mn y...	phi°Mn z...	Cb	Egn
62	M160	L2.5x2.5x4	.170	2.13	21	.004	4.172	y	22	21846.295	38556	1.114	2.336	1...	H2-1
63	M161	L2.5x2.5x4	.165	2.086	19	.004	4.172	y	8	21846.295	38556	1.114	2.336	1...	H2-1
64	M162	L2.5x2.5x4	.169	2.13	17	.004	0	z	2	21846.295	38556	1.114	2.336	1...	H2-1
65	M163	L2.5x2.5x4	.164	2.086	15	.004	4.172	y	4	21846.295	38556	1.114	2.336	1...	H2-1
66	M164	L2.5x2.5x4	.169	2.13	13	.004	0	y	14	21846.295	38556	1.114	2.336	1...	H2-1
67	M165	L2.5x2.5x4	.166	2.086	23	.004	0	y	12	21846.295	38556	1.114	2.336	1...	H2-1
68	M158A	PIPE 2.5	.106	10.393	16	.045	10.393		18	12178.718	50715	3.596	3.596	2...	H1-1b
69	M159A	PIPE 2.5	.109	10.393	24	.053	10.393		5	12178.718	50715	3.596	3.596	2...	H1-1b
70	OVP	PIPE 2.0	.018	3	1	.002	3		1	26521.424	32130	1.872	1.872	1	H1-1b

I. Mount-to-Tower Connection Check

Custom Orientation Required

No

Tower Connection Bolt Checks

Yes

Bolt Orientation

Parallel

Bolt Quantity per Reaction:

4

d_x (in) (Delta X of typ. bolt config. sketch) :

3.5

d_y (in) (Delta Y of typ. bolt config. sketch) :

3.5

Bolt Type:

A325N

Bolt Diameter (in):

0.5

Required Tensile Strength / bolt (kips):

3.7

Required Shear Strength / bolt (kips):

0.6

Tensile Capacity / bolt (kips):

13.3

Shear Capacity / bolt (kips):

8.0

Bolt Overall Utilization:

27.9%

Tower Connection Baseplate Checks

Yes

Connecting Standoff Member Shape:

Rect Tube

Weld Stiffener Configuration:

No Stiffeners

Plate Width, D_x (in):

6

Plate Height, D_y (in):

6

W_1 (in):

3

W_2 (in):

3

Member Thickness (in):

0.375

Stiffener location a_1 (in):

Stiffener location b_1 (in):

Stiffener location a_2 (in):

Stiffener location b_2 (in):

F_y (ksi, plate):

36

Plate Thickness (in):

0.75

Length of Yield Line, L_y (in):

3.46

Bolt Eccentricity, e (in):

0.70

M_u (kip-in):

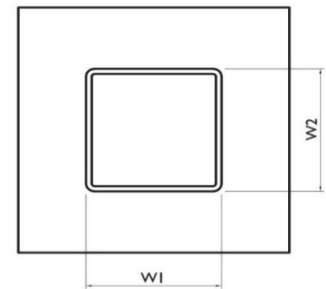
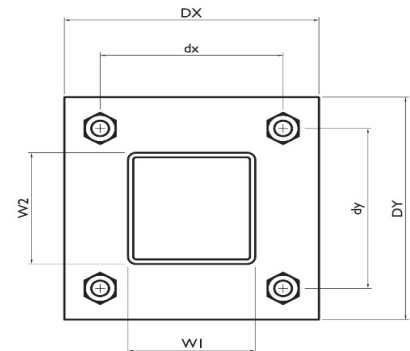
2.60

$\Phi * M_n$ (kip-in):

15.75

Plate Bending Utilization:

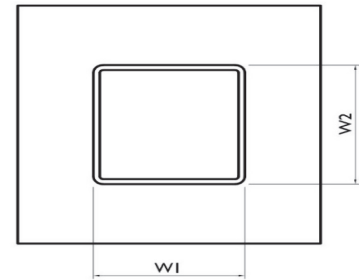
16.5%



Tower Connection Weld Checks

Weld Shape:
Weld Stiffener Configuration:
Weld Size (1/16 in):
W1 (in):
W2 (in):
Weld Total Length (in):
 Z_x (in³/in):
 Z_y (in³/in):
 J_p (in⁴/in):
 c_x (in):
 c_y (in):
Required combined strength (kip/in):
Weld Capacity (kip/in):
Weld Utilization:

Yes
Rectangle
None
3
3
3
12.00
12.00
12.00
36.00
1.875
1.875
1.42
4.18
34.1%



Date: October 25, 2023



Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317
(724) 416-2000

Subject: Structural Analysis Report

Carrier Designation: Verizon Wireless Co-Locate
Site Number: 5000385141
Site Name: WESTON CT

Crown Castle Designation: BU Number: 829046
Site Name: Weston/ Rt-57/ Norfield R
JDE Job Number: 751343
Work Order Number: 2265139
Order Number: 654637 Rev. 1

Engineering Firm Designation: Crown Castle Project Number: 2265139

Site Data: 56 Norfield Rd. (Town Hall), Weston, Fairfield County, CT
Latitude 41° 12' 8.4", Longitude -73° 22' 46.6"
190 Foot - Monopole Tower

Crown Castle 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 - 96.5%

This analysis has been performed in accordance with the 2022 Connecticut State Building Code based upon an ultimate 3-second gust wind speed of 131 mph. Applicable Standard references and design criteria are listed in Section 2 - "Analysis Criteria".

Structural analysis prepared by: Steven Hu

Respectfully submitted by:

Rohit Soni, P.E.
Senior Project Engineer



Digitally signed by
Rohit Soni
Date: 2023.10.25
22:41:10 -04'00'

TABLE OF CONTENTS

1) INTRODUCTION

2) ANALYSIS CRITERIA

Table 1 - Proposed Equipment Configuration

Table 2 - Other Considered Equipment

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

3.1) Analysis Method

3.2) Assumptions

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Table 5 - Tower Component Stresses vs. Capacity - LC7

4.1) Recommendations

5) APPENDIX A

tnxTower Output

6) APPENDIX B

Base Level Drawing

7) APPENDIX C

Additional Calculations

1) INTRODUCTION

This tower is a 190 ft Monopole tower designed by PIROD MANUFACTURES INC. The tower has been modified multiple times to accommodate additional loading.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	131 mph
Exposure Category:	B
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)
150.0	153.0	3	commscope	TD-850B-LTE78-43	9	1-5/8
		12	jma wireless	MX06FRO640-02 w/ Mount Pipe		
		8	kaelus	BSF0020F3V1		
	152.0	2	raycap	RVZDC-6627-PF-48		
		6	samsung telecommunications	RFV01U-D1A		
		6	samsung telecommunications	RFV01U-D2A		
	151.0	3	samsung telecommunications	CBRS w/ Mount Pipe		
		3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
	150.0	1	-	Platform Mount [LP 405-1_KCKR-HR-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)
188.0	193.0	1	rfs celwave	PD201-7	1 1 1 4	5/16 5/8 7/8 1-1/4
	190.0	3	alcatel lucent	TD-RRH8x20-25		
		3	rfs celwave	APXVSPP18-C-A20 w/ Mount Pipe		
		3	rfs celwave	APXVTM14-ALU-I20 w/ Mount Pipe		
	188.0	1	tower mounts	Platform Mount [LP 403-1]	-	-
	187.0	1	-	SP2-5.8		
185.0	188.0	3	alcatel lucent	1900MHz RRH	-	-
		3	alcatel lucent	800MHZ RRH		
	185.0	1	tower mounts	Side Arm Mount [SO 102-3]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
184.0	184.0	1	tower mounts	Side Arm Mount [SO 701-1]		
179.0	185.0	2	rfs celwave	458-2D	2	7/8
	179.0	1	tower mounts	Platform Mount [LP 403-1]		
		2	tower mounts	Side Arm Mount [SO 301-1]		
172.0	174.0	1	rfs celwave	PD201-7	1 2 3	1-5/8 7/8 1-3/4
	172.0	3	ericsson	AIR 32 B2A B66AA_T-MOBILE w/ Mount Pipe		
		3	ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe		
		3	rfs celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
		1	tower mounts	Platform Mount [LP 405-1_HR-1]		
	170.0	3	commscope	SDX1926Q-43		
		3	ericsson	RADIO 4415 B25_TMO		
		3	ericsson	RADIO 4449 B71 B85A_T-MOBILE		
160.0	163.0	3	cci antennas	DMP65R-BU6D w/ Mount Pipe	3 1 6 6	3/8 7/8 13/16 1-5/8
		3	ericsson	RRUS 32 B2		
		3	ericsson	RRUS 32 B30		
		3	ericsson	RRUS 32 B66A		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 4478 B14		
		3	quintel technology	QD6616-7 w/ Mount Pipe		
		2	raycap	DC6-48-60-18-8C		
		1	raycap	DC9-48-60-24-8C-EV_CCIV2		
	162.0	3	ericsson	AIR 6419 B77G_CCIV3 w/ Mount Pipe		
	160.0	6	-	L 2.5x2.5x3/16x4' Kicker		
		1	tower mounts	Platform Mount [LP 404-1]		
	158.0	3	ericsson	AIR 6449 B77D_CCIV2 w/ Mount Pipe		
125.0	130.0	1	rfs celwave	PD128-1	1 1	7/8 1/2
		1	rfs celwave	PD201-1		
	125.0	2	tower mounts	Side Arm Mount [SO 701-1]		
110.0	115.0	2	rfs celwave	PD128-1	2	1/2
	110.0	2	tower mounts	Side Arm Mount [SO 701-1]		
100.0	101.0	1	gps	GPS_A	1	1/2
	100.0	1	tower mounts	Side Arm Mount [SO 702-1]		
95.0	100.0	2	rfs celwave	PD128-1	2	1/2
	95.0	2	tower mounts	Side Arm Mount [SO 701-1]		
80.0	85.0	1	decibel	DB222	2	1/2
		1	rfs celwave	PD128-1		
	80.0	2	tower mounts	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	3529916	CCISITES
4-POST-MODIFICATION INSPECTION	3673725	CCISITES
4-POST-MODIFICATION INSPECTION	5392198	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	3755295	CCISITES
4-TOWER MANUFACTURER DRAWINGS	7340070	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3667108	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3801440	CCISITES

3.1) Analysis Method

tnxTower (version 8.1.4.0), 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.

tnxTower was used to determine the loads on the modified structure. Additional calculations were performed to determine the stresses in the reinforcing elements. These calculations are presented in Appendix C.

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. Crown Castle should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
190 - 185	Pole	TP30x30x0.375	Pole	1.6%	Pass
185 - 180	Pole	TP30x30x0.375	Pole	4.3%	Pass
180 - 175	Pole	TP36x36x0.375	Pole	6.0%	Pass
175 - 170	Pole	TP36x36x0.375	Pole	9.9%	Pass
170 - 165	Pole	TP36x36x0.375	Pole	14.6%	Pass
165 - 160	Pole	TP36x36x0.375	Pole	19.4%	Pass
160 - 155	Pole	TP42x42x0.375	Pole	21.3%	Pass
155 - 150	Pole	TP42x42x0.375	Pole	27.1%	Pass
150 - 145	Pole	TP42x42x0.375	Pole	36.1%	Pass
145 - 140	Pole	TP42x42x0.375	Pole	44.1%	Pass

140 - 135	Pole	TP48x48x0.375	Pole	40.7%	Pass
135 - 130	Pole	TP48x48x0.375	Pole	47.1%	Pass
130 - 125	Pole	TP48x48x0.375	Pole	53.7%	Pass
125 - 120	Pole	TP48x48x0.375	Pole	60.4%	Pass
120 - 115	Pole	TP54x54x0.375	Pole	53.9%	Pass
115 - 112.67	Pole	TP54x54x0.375	Pole	56.4%	Pass
112.67 - 112.42	Pole + Reinf.	TP54x54x0.4875	Pole	43.3%	Pass
112.42 - 107.42	Pole + Reinf.	TP54x54x0.4875	Pole	47.6%	Pass
107.42 - 103.33	Pole + Reinf.	TP54x54x0.4875	Pole	51.2%	Pass
103.33 - 103.08	Pole + Reinf.	TP54x54x0.4875	Pole	51.5%	Pass
103.08 - 100	Pole + Reinf.	TP54x54x0.4875	Pole	54.3%	Pass
100 - 95	Pole + Reinf.	TP60x60x0.475	Pole	49.5%	Pass
95 - 90	Pole + Reinf.	TP60x60x0.475	Pole	53.5%	Pass
90 - 89.5	Pole + Reinf.	TP60x60x0.475	Pole	53.9%	Pass
89.5 - 89.25	Pole + Reinf.	TP60x60x0.5563	Pole	46.6%	Pass
89.25 - 85.5	Pole + Reinf.	TP60x60x0.5563	Pole	49.3%	Pass
85.5 - 85.25	Pole + Reinf.	TP60x60x0.6375	Pole	43.5%	Pass
85.25 - 84	Pole + Reinf.	TP60x60x0.6375	Pole	44.3%	Pass
84 - 83.75	Pole + Reinf.	TP60x60x0.525	Pole	53.1%	Pass
83.75 - 82.5	Pole + Reinf.	TP60x60x0.525	Pole	54.0%	Pass
82.5 - 82.25	Pole + Reinf.	TP60x60x0.45	Pole	63.4%	Pass
82.25 - 80	Pole + Reinf.	TP60x60x0.45	Pole	65.5%	Pass
80 - 75	Pole + Reinf.	TP60x60x0.575	Reinf. 3 Compression	53.8%	Pass
75 - 70	Pole + Reinf.	TP60x60x0.575	Reinf. 3 Compression	57.4%	Pass
70 - 65	Pole + Reinf.	TP60x60x0.575	Reinf. 3 Compression	61.2%	Pass
65 - 60	Pole + Reinf.	TP60x60x0.575	Reinf. 3 Compression	65.0%	Pass
60 - 58.5	Pole + Reinf.	TP60x60x0.7	Reinf. 3 Compression	54.6%	Pass
58.5 - 58.25	Pole	TP60x60x0.625	Pole	59.8%	Pass
58.25 - 53.25	Pole	TP60x60x0.625	Pole	63.3%	Pass
53.25 - 48.25	Pole	TP60x60x0.625	Pole	66.8%	Pass
48.25 - 48	Pole + Reinf.	TP60x60x0.775	Pole	54.7%	Pass
48 - 43	Pole + Reinf.	TP60x60x0.775	Pole	57.6%	Pass
43 - 40	Pole + Reinf.	TP60x60x0.775	Pole	59.4%	Pass
40 - 35	Pole + Reinf.	TP60x60x0.775	Pole	62.5%	Pass
35 - 32.08	Pole + Reinf.	TP60x60x0.775	Pole	64.3%	Pass
32.08 - 31.83	Pole + Reinf.	TP60x60x0.9625	Pole	52.0%	Pass
31.83 - 28.75	Pole + Reinf.	TP60x60x0.9625	Pole	53.5%	Pass
28.75 - 28.5	Pole + Reinf.	TP60x60x0.8125	Pole	63.0%	Pass
28.5 - 23.5	Pole + Reinf.	TP60x60x0.8125	Pole	66.0%	Pass

23.5 - 18.5	Pole + Reinf.	TP60x60x0.95	Pole	58.6%	Pass
18.5 - 13.5	Pole + Reinf.	TP60x60x0.95	Pole	61.3%	Pass
13.5 - 8.5	Pole + Reinf.	TP60x60x0.95	Pole	64.0%	Pass
8.5 - 3.5	Pole + Reinf.	TP60x60x0.95	Pole	66.7%	Pass
3.5 - 0	Pole + Reinf.	TP60x60x0.95	Pole	68.6%	Pass
				Summary	
			Pole	68.6%	Pass
			Reinforcement	65.0%	Pass
			Overall	68.6%	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Flange Bolts	180	3.8	Pass
1,2	Flange Plates		4.3	Pass
1	Flange Bolts	160	18.9	Pass
1,2	Flange Plates		19.4	Pass
1	Flange Bolts	140	44.2	Pass
1,2	Flange Plates		44.2	Pass
1	Flange Bolts	120	62.7	Pass
1,2	Flange Plates		62.7	Pass
1	Flange Bolts	100	62.6	Pass
1	Flange Plates		71.4	Pass
1	Flange Bolts	80	29.1	Pass
1	Flange Plate		52.7	Pass
1	Jump Plates		86.4	Pass
1	Flange Bolts	60	32.4	Pass
1	Flange Plates		52.0	Pass
1	Jump Plates		96.5	Pass
1	Flange Bolts	40	31.2	Pass
1	Flange Plates		47.0	Pass
1	Jump Plates		78.4	Pass
1	Flange Bolts	20	31.6	Pass
1	Flange Plates		48.5	Pass
1	Jump Plates		77.7	Pass
1	Anchor Rods	0	65.3	Pass
1	Base Plate		63.5	Pass
1,3	Base Foundation (Compared w/ Design Loads)		95.6	Pass

Structure Rating (max from all components) =	96.5%
---	--------------

Notes:

- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.
- 2) Flange plates have the same capacity as their respective shaft/bolts.
- 3) Foundation capacity determined by comparing analysis reactions to original design reactions.

4.1) Recommendations

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

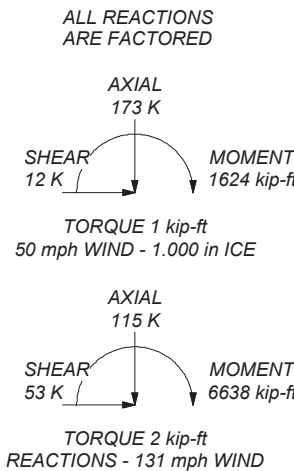
APPENDIX A

TNXTOWER OUTPUT

MATERIAL STRENGTH

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 131 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 IV.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. TOWER RATING: 68.6%

A53-B-42



 CROWN CASTLE The Pathway to Possible	<i>Crown Castle</i> 2000 Corporate Drive Canonsburg, PA 15317 Phone: (724) 416-2000 FAX:		Job: 829046
	Project:		Drawn by: SHu
	Client: Crown Castle		App'd:
	Code: TIA-222-H	Date: 10/25/23	
	Path:		Scale: NTS
		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 Fairfield County, Connecticut.
- Tower base elevation above sea level: 322.000 ft.
- Basic wind speed of 131 mph.
- Risk Category IV.
- Exposure Category B.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.000 ft.
- Nominal ice thickness of 1.000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56.000 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50.000 °F.
- Deflections calculated using a wind speed of 60 mph.
- TOWER RATING: 68.6%.
- 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: $K_{es}(F_w) = 1.0$, $K_{es}(t_i) = 1.0$.
- 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
Consider Moments - Horizontals

Distribute Leg Loads As Uniform
Assume Legs Pinned

Use ASCE 10 X-Brace Ly Rules
Calculate Forces in Supporting Bracing Members

Consider Moments - Diagonals
Use Moment Magnification
√ Use Code Stress Ratios
√ Use Code Safety Factors - Guys
Escalate Ice
Always Use Max Kz
Use Special Wind Profile
Include Bolts In Member Capacity
Leg Bolts Are At Top Of Section
Secondary Horizontal Braces Leg
Use Diamond Inner Bracing (4 Sided)
SR Members Have Cut Ends
SR Members Are Concentric

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

√ Consider Feed Line Torque
Include Angle Block Shear Check
Use TIA-222-H Bracing Resist. Exemption
Use TIA-222-H Tension Splice Exemption

Poles

√ Include Shear-Torsion Interaction
Always Use Sub-Critical Flow
Use Top Mounted Sockets
Pole Without Linear Attachments
Pole With Shroud Or No Appurtenances
Outside and Inside Corner Radii Are Known

Pole Section Geometry

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L1	190.000-185.000	5.000	P30x0.375	A53-B-42	

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L2	185.000-180.000	5.000	P30x0.375	(42 ksi) A53-B-42	
L3	180.000-175.000	5.000	P36x0.375	(42 ksi) A53-B-42	
L4	175.000-170.000	5.000	P36x0.375	(42 ksi) A53-B-42	
L5	170.000-165.000	5.000	P36x0.375	(42 ksi) A53-B-42	
L6	165.000-160.000	5.000	P36x0.375	(42 ksi) A53-B-42	
L7	160.000-155.000	5.000	P42x0.375	(42 ksi) A53-B-42	
L8	155.000-150.000	5.000	P42x0.375	(42 ksi) A53-B-42	
L9	150.000-145.000	5.000	P42x0.375	(42 ksi) A53-B-42	
L10	145.000-140.000	5.000	P42x0.375	(42 ksi) A53-B-42	
L11	140.000-135.000	5.000	P48x0.375	(42 ksi) A53-B-42	
L12	135.000-130.000	5.000	P48x0.375	(42 ksi) A53-B-42	
L13	130.000-125.000	5.000	P48x0.375	(42 ksi) A53-B-42	
L14	125.000-120.000	5.000	P48x0.375	(42 ksi) A53-B-42	
L15	120.000-115.000	5.000	P54x0.375	(42 ksi) A53-B-42	
L16	115.000-112.667	2.333	P54x0.375	(42 ksi) A53-B-42	
L17	112.667-112.417	0.250	P54x0.4875	(42 ksi) A53-B-42	
L18	112.417-107.417	5.000	P54x0.4875	(42 ksi) A53-B-42	
L19	107.417-103.330	4.087	P54x0.4875	(42 ksi) A53-B-42	
L20	103.330-103.080	0.250	P54x0.4875	(42 ksi) A53-B-42	
L21	103.080-100.000	3.080	P54x0.4875	(42 ksi) A53-B-42	
L22	100.000-95.000	5.000	P60x0.475	(42 ksi) A53-B-42	
L23	95.000-90.000	5.000	P60x0.475	(42 ksi) A53-B-42	
L24	90.000-89.500	0.500	P60x0.475	(42 ksi) A53-B-42	
L25	89.500-89.250	0.250	P60x0.55625	(42 ksi) A53-B-42	
L26	89.250-85.500	3.750	P60x0.55625	(42 ksi) A53-B-42	
L27	85.500-85.250	0.250	P60x0.6375	(42 ksi) A53-B-42	
L28	85.250-84.000	1.250	P60x0.6375	(42 ksi) A53-B-42	
L29	84.000-83.750	0.250	P60x0.525	(42 ksi) A53-B-42	
L30	83.750-82.500	1.250	P60x0.525	(42 ksi) A53-B-42	
L31	82.500-82.250	0.250	P60x0.45	(42 ksi) A53-B-42	
L32	82.250-80.000	2.250	P60x0.45	(42 ksi) A53-B-42	
L33	80.000-75.000	5.000	P60x0.575	(42 ksi) A53-B-42	
L34	75.000-70.000	5.000	P60x0.575	(42 ksi) A53-B-42	
L35	70.000-65.000	5.000	P60x0.575	(42 ksi) A53-B-42	

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L36	65.000-60.000	5.000	P60x0.575	A53-B-42 (42 ksi)	
L37	60.000-58.500	1.500	P60x0.7	A53-B-42 (42 ksi)	
L38	58.500-58.250	0.250	P60x0.625	A53-B-42 (42 ksi)	
L39	58.250-53.250	5.000	P60x0.625	A53-B-42 (42 ksi)	
L40	53.250-48.250	5.000	P60x0.625	A53-B-42 (42 ksi)	
L41	48.250-48.000	0.250	P60x0.775	A53-B-42 (42 ksi)	
L42	48.000-43.000	5.000	P60x0.775	A53-B-42 (42 ksi)	
L43	43.000-40.000	3.000	P60x0.775	A53-B-42 (42 ksi)	
L44	40.000-35.000	5.000	P60x0.775	A53-B-42 (42 ksi)	
L45	35.000-32.080	2.920	P60x0.775	A53-B-42 (42 ksi)	
L46	32.080-31.830	0.250	P60x0.9625	A53-B-42 (42 ksi)	
L47	31.830-28.750	3.080	P60x0.9625	A53-B-42 (42 ksi)	
L48	28.750-28.500	0.250	P60x0.8125	A53-B-42 (42 ksi)	
L49	28.500-23.500	5.000	P60x0.8125	A53-B-42 (42 ksi)	
L50	23.500-18.500	5.000	P60x0.95	A53-B-42 (42 ksi)	
L51	18.500-13.500	5.000	P60x0.95	A53-B-42 (42 ksi)	
L52	13.500-8.500	5.000	P60x0.95	A53-B-42 (42 ksi)	
L53	8.500-3.500	5.000	P60x0.95	A53-B-42 (42 ksi)	
L54	3.500-0.000	3.500	P60x0.95	A53-B-42 (42 ksi)	

Tower Elevation ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _r	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 190.000-185.000				1	1	1			
L2 185.000-180.000				1	1	1			
L3 180.000-175.000				1	1	1			
L4 175.000-170.000				1	1	1			
L5 170.000-165.000				1	1	1			
L6 165.000-160.000				1	1	1			
L7 160.000-155.000				1	1	1			
L8 155.000-150.000				1	1	1			
L9 150.000-145.000				1	1	1			
L10 145.000-140.000				1	1	1			
L11 140.000-135.000				1	1	1			
L12 135.000-				1	1	1			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_r	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
ft	ft ²	in							
130.000									
L13 130.000- 125.000				1	1	1			
L14 125.000- 120.000				1	1	1			
L15 120.000- 115.000				1	1	1			
L16 115.000- 112.667				1	1	1			
L17 112.667- 112.417				1	1	0.990478			
L18 112.417- 107.417				1	1	0.990478			
L19 107.417- 103.330				1	1	0.990478			
L20 103.330- 103.080				1	1	0.990478			
L21 103.080- 100.000				1	1	0.990478			
L22 100.000- 95.000				1	1	0.993442			
L23 95.000- 90.000				1	1	0.993442			
L24 90.000- 89.500				1	1	0.993442			
L25 89.500- 89.250				1	1	0.979451			
L26 89.250- 85.500				1	1	0.979451			
L27 85.500- 85.250				1	1	0.96934			
L28 85.250- 84.000				1	1	0.96934			
L29 84.000- 83.750				1	1	0.991333			
L30 83.750- 82.500				1	1	0.991333			
L31 82.500- 82.250				1	1	0.99474			
L32 82.250- 80.000				1	1	0.99474			
L33 80.000- 75.000				1	1	0.996424			
L34 75.000- 70.000				1	1	0.996424			
L35 70.000- 65.000				1	1	0.996424			
L36 65.000- 60.000				1	1	0.996424			
L37 60.000- 58.500				1	1	0.997508			
L38 58.500- 58.250				1	1	1			
L39 58.250- 53.250				1	1	1			
L40 53.250- 48.250				1	1	1			
L41 48.250- 48.000				1	1	0.977534			
L42 48.000- 43.000				1	1	0.977534			
L43 43.000- 40.000				1	1	0.977534			
L44 40.000- 35.000				1	1	0.977534			
L45 35.000- 32.080				1	1	0.977534			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_r	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
ft	ft ²	in							
L46 32.080- 31.830				1	1	0.96816			
L47 31.830- 28.750				1	1	0.96816			
L48 28.750- 28.500				1	1	0.98265			
L49 28.500- 23.500				1	1	0.98265			
L50 23.500- 18.500				1	1	0.973014			
L51 18.500- 13.500				1	1	0.973014			
L52 13.500- 8.500				1	1	0.973014			
L53 8.500- 3.500				1	1	0.973014			
L54 3.500- 0.000				1	1	0.973014			

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 klf
HB114-21U3M12- XXXF(1-1/4") *	B	No	Surface Ar (CaAa)	188.000 - 0.000	3	3	-0.300 -0.190	1.540		0.001
FDH1204-24SE2- 70M(1-3/4) *	B	No	Surface Ar (CaAa)	172.000 - 0.000	4	4	-0.180 0.000	1.763		0.002
FB-L98B-002-100000(3/8")	A	No	Surface Ar (CaAa)	160.000 - 0.000	3	3	0.310 0.360	0.394		0.000
LDF7-50A(1-5/8) * *	A	No	Surface Ar (CaAa)	160.000 - 0.000	13	7	0.000 0.300	1.980		0.001
Safety Line 3/8	C	No	Surface Ar (CaAa)	190.000 - 0.000	1	1	0.350 0.360	0.375		0.000
Climbing Rung *	C	No	Surface Ar (CaAa)	190.000 - 10.000	1	1	0.330 0.400	1.000		0.008
8.5"x1.25" Plate	A	No	Surface Af (CaAa)	35.833 - 0.000	1	1	0.350 0.400	8.500	19.500	0.000
8.5"x1.25" Plate	B	No	Surface Af (CaAa)	35.833 - 0.000	1	1	0.350 0.400	8.500	19.500	0.000
8.5"x1.25" Plate	C	No	Surface Af (CaAa)	35.833 - 0.000	1	1	0.350 0.400	8.500	19.500	0.000
CCI 6.5" x 1.25" Plate	A	No	Surface Af (CaAa)	51.000 - 26.000	1	1	0.150 0.200	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	B	No	Surface Af (CaAa)	51.000 - 26.000	1	1	0.150 0.200	6.500	15.500	0.000
CCI 6.5" x 1.25" Plate	C	No	Surface Af (CaAa)	51.000 - 26.000	1	1	0.150 0.200	6.500	15.500	0.000
CCI 4.5" x 1" Plate	A	No	Surface Af (CaAa)	87.000 - 57.000	1	1	0.350 0.400	4.500	11.000	0.000
CCI 4.5" x 1" Plate	B	No	Surface Af (CaAa)	87.000 - 57.000	1	1	0.350 0.400	4.500	11.000	0.000
CCI 4.5" x 1" Plate	C	No	Surface Af (CaAa)	87.000 - 57.000	1	1	0.350 0.400	4.500	11.000	0.000
CCI 6" x 1" Plate	A	No	Surface Af (CaAa)	105.333 - 82.000	1	1	0.350 0.400	6.000	14.000	0.000
CCI 6" x 1" Plate	B	No	Surface Af	105.333 -	1	1	0.350	6.000	14.000	0.000

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 klf
CCI 6" x 1" Plate	C	No	(CaAa) Surface Af	82.000 105.333 -	1	1	0.400 0.350 0.400	6.000	14.000	0.000
CCI 6" x 1" Plate	A	No	(CaAa) Surface Af	82.000 101.333	1	1	0.350 0.400	6.000	14.000	0.000
CCI 6" x 1" Plate	B	No	(CaAa) Surface Af	101.333 114.667 -	1	1	0.400 0.350 0.400	6.000	14.000	0.000
CCI 6" x 1" Plate	C	No	(CaAa) Surface Af	114.667 - 101.333	1	1	0.350 0.400	6.000	14.000	0.000
*										
CCI 4.5" x 1" Plate	A	No	(CaAa) Surface Af	81.000 91.000 -	1	1	-0.350 -0.400 -0.350	4.500	11.000	0.000
CCI 4.5" x 1" Plate	B	No	(CaAa) Surface Af	81.000 91.000 -	1	1	-0.350 -0.400 -0.350	4.500	11.000	0.000
CCI 4.5" x 1" Plate	C	No	(CaAa) Surface Af	81.000 91.000 -	1	1	-0.350 -0.400 -0.350	4.500	11.000	0.000
*										
6.5" x 1.25" BS + 1" filler plate	A	No	(CaAa) Surface Af	15.000 25.000 -	1	1	0.050 0.000 0.050	6.500	17.500	0.050
6.5" x 1.25" BS + 1" filler plate	B	No	(CaAa) Surface Af	15.000 25.000 -	1	1	0.050 0.000 0.050	6.500	17.500	0.050
6.5" x 1.25" BS + 1" filler plate	C	No	(CaAa) Surface Af	15.000 25.000 -	1	1	0.050 0.000 0.050	6.500	17.500	0.050
6.5" x 1.25" BS + 1" filler plate	A	No	(CaAa) Surface Af	15.000 25.000 -	1	1	0.350 0.300 0.350	6.500	17.500	0.050
6.5" x 1.25" BS + 1" filler plate	B	No	(CaAa) Surface Af	15.000 25.000 -	1	1	0.350 0.300 0.350	6.500	17.500	0.050
6.5" x 1.25" BS + 1" filler plate	C	No	(CaAa) Surface Af	15.000 25.000 -	1	1	0.350 0.300 0.350	6.500	17.500	0.050
6" x 1" BS + 1.25" filler plate	A	No	(CaAa) Surface Af	35.250 45.250 -	1	1	0.050 0.000 0.050	6.000	16.500	0.046
6" x 1" BS + 1.25" filler plate	B	No	(CaAa) Surface Af	35.250 45.250 -	1	1	0.050 0.000 0.050	6.000	16.500	0.046
6" x 1" BS + 1.25" filler plate	C	No	(CaAa) Surface Af	35.250 45.250 -	1	1	0.050 0.000 0.050	6.000	16.500	0.046
6" x 1" BS + 1.25" filler plate	A	No	(CaAa) Surface Af	35.250 45.250 -	1	1	0.350 0.300 0.350	6.000	16.500	0.046
6" x 1" BS + 1.25" filler plate	B	No	(CaAa) Surface Af	35.250 45.250 -	1	1	0.350 0.300 0.350	6.000	16.500	0.046
6" x 1" BS + 1.25" filler plate	C	No	(CaAa) Surface Af	35.250 45.250 -	1	1	0.350 0.300 0.350	6.000	16.500	0.046
6.5" x 1.25" BS + 1" filler plate	A	No	(CaAa) Surface Af	55.500 65.500 -	1	1	0.050 0.000 0.050	6.500	17.500	0.050
6.5" x 1.25" BS + 1" filler plate	B	No	(CaAa) Surface Af	55.500 65.500 -	1	1	0.050 0.000 0.050	6.500	17.500	0.050
6.5" x 1.25" BS + 1" filler plate	C	No	(CaAa) Surface Af	55.500 65.500 -	1	1	0.050 0.000 0.050	6.500	17.500	0.050
4.5" x 1" BS + 1" filler plate	A	No	(CaAa) Surface Af	75.750 85.750 -	1	1	0.050 0.000 0.050	4.500	13.000	0.031
4.5" x 1" BS + 1" filler plate	B	No	(CaAa) Surface Af	75.750 85.750 -	1	1	0.050 0.000 0.050	4.500	13.000	0.031
4.5" x 1" BS + 1" filler plate	C	No	(CaAa) Surface Af	75.750 85.750 -	1	1	0.050 0.000 0.050	4.500	13.000	0.031

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	CAAA	Weight klf
TYPE I(1-1/4)	B	No	No	Inside Pole	188.000 - 0.000	1	No Ice 1/2" Ice 1" Ice	0.001 0.001 0.001
*								

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight klf
ATCB-B01(5/16)	B	No	No	Inside Pole	188.000 - 0.000	1	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.000 0.000 0.000
LDF4.5-50(5/8)	B	No	No	Inside Pole	188.000 - 0.000	1	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.000 0.000 0.000
LDF5-50A(7/8)	B	No	No	Inside Pole	188.000 - 0.000	1	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.000 0.000 0.000
*									
LDF5-50A(7/8)	B	No	No	Inside Pole	179.000 - 0.000	2	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.000 0.000 0.000
*									
LDF5-50A(7/8")	B	No	No	Inside Pole	172.000 - 0.000	2	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.000 0.000 0.000
*									
HB158-21U6M48- 30F(1-5/8)	B	No	No	Inside Pole	150.000 - 0.000	1	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.002 0.002 0.002
LDF7-50A(1-5/8")	B	No	No	Inside Pole	150.000 - 0.000	8	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.001 0.001 0.001
*									
*									
LDF4-50A(1/2)	B	No	No	Inside Pole	125.000 - 0.000	1	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.000 0.000 0.000
LDF5-50A(7/8)	B	No	No	Inside Pole	125.000 - 0.000	1	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.000 0.000 0.000
*									
LDF4-50A(1/2)	B	No	No	Inside Pole	110.000 - 0.000	2	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.000 0.000 0.000
*									
LDF4-50A(1/2)	B	No	No	Inside Pole	100.000 - 0.000	1	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.000 0.000 0.000
*									
LDF4-50A(1/2)	B	No	No	Inside Pole	95.000 - 0.000	2	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.000 0.000 0.000
*									
LDF4-50A(1/2)	B	No	No	Inside Pole	80.000 - 0.000	2	No Ice 1/2" Ice 1" Ice	0.000 0.000 0.000	0.000 0.000 0.000

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	190.000-185.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	1.386	0.000	0.015
		C	0.000	0.000	0.688	0.000	0.043
L2	185.000-180.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	2.310	0.000	0.024
		C	0.000	0.000	0.688	0.000	0.043
L3	180.000-175.000	A	0.000	0.000	0.000	0.000	0.000

Tower Sectio n	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		B	0.000	0.000	2.310	0.000	0.027
		C	0.000	0.000	0.688	0.000	0.043
L4	175.000-170.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	3.720	0.000	0.047
		C	0.000	0.000	0.688	0.000	0.043
L5	170.000-165.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	5.836	0.000	0.077
		C	0.000	0.000	0.688	0.000	0.043
L6	165.000-160.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	5.836	0.000	0.077
		C	0.000	0.000	0.688	0.000	0.043
L7	160.000-155.000	A	0.000	0.000	7.521	0.000	0.054
		B	0.000	0.000	5.836	0.000	0.077
		C	0.000	0.000	0.688	0.000	0.043
L8	155.000-150.000	A	0.000	0.000	7.521	0.000	0.054
		B	0.000	0.000	5.836	0.000	0.077
		C	0.000	0.000	0.688	0.000	0.043
L9	150.000-145.000	A	0.000	0.000	7.521	0.000	0.054
		B	0.000	0.000	5.836	0.000	0.121
		C	0.000	0.000	0.688	0.000	0.043
L10	145.000-140.000	A	0.000	0.000	7.521	0.000	0.054
		B	0.000	0.000	5.836	0.000	0.121
		C	0.000	0.000	0.688	0.000	0.043
L11	140.000-135.000	A	0.000	0.000	7.521	0.000	0.054
		B	0.000	0.000	5.836	0.000	0.121
		C	0.000	0.000	0.688	0.000	0.043
L12	135.000-130.000	A	0.000	0.000	7.521	0.000	0.054
		B	0.000	0.000	5.836	0.000	0.121
		C	0.000	0.000	0.688	0.000	0.043
L13	130.000-125.000	A	0.000	0.000	7.521	0.000	0.054
		B	0.000	0.000	5.836	0.000	0.121
		C	0.000	0.000	0.688	0.000	0.043
L14	125.000-120.000	A	0.000	0.000	7.521	0.000	0.054
		B	0.000	0.000	5.836	0.000	0.124
		C	0.000	0.000	0.688	0.000	0.043
L15	120.000-115.000	A	0.000	0.000	7.521	0.000	0.054
		B	0.000	0.000	5.836	0.000	0.124
		C	0.000	0.000	0.688	0.000	0.043
L16	115.000-112.667	A	0.000	0.000	5.509	0.000	0.025
		B	0.000	0.000	4.723	0.000	0.058
		C	0.000	0.000	2.321	0.000	0.020
L17	112.667-112.417	A	0.000	0.000	0.626	0.000	0.003
		B	0.000	0.000	0.542	0.000	0.006
		C	0.000	0.000	0.284	0.000	0.002
L18	112.417-107.417	A	0.000	0.000	12.521	0.000	0.054
		B	0.000	0.000	10.836	0.000	0.125
		C	0.000	0.000	5.688	0.000	0.043
L19	107.417-103.330	A	0.000	0.000	12.237	0.000	0.044
		B	0.000	0.000	10.860	0.000	0.102
		C	0.000	0.000	6.652	0.000	0.035
L20	103.330-103.080	A	0.000	0.000	0.876	0.000	0.003
		B	0.000	0.000	0.792	0.000	0.006
		C	0.000	0.000	0.534	0.000	0.002
L21	103.080-100.000	A	0.000	0.000	9.460	0.000	0.033
		B	0.000	0.000	8.422	0.000	0.077
		C	0.000	0.000	5.250	0.000	0.027
L22	100.000-95.000	A	0.000	0.000	12.521	0.000	0.054
		B	0.000	0.000	10.836	0.000	0.126
		C	0.000	0.000	5.688	0.000	0.043
L23	95.000-90.000	A	0.000	0.000	13.271	0.000	0.054
		B	0.000	0.000	11.586	0.000	0.128
		C	0.000	0.000	6.438	0.000	0.043
L24	90.000-89.500	A	0.000	0.000	1.627	0.000	0.005
		B	0.000	0.000	1.459	0.000	0.013
		C	0.000	0.000	0.944	0.000	0.004
L25	89.500-89.250	A	0.000	0.000	0.814	0.000	0.003
		B	0.000	0.000	0.729	0.000	0.006
		C	0.000	0.000	0.472	0.000	0.002
L26	89.250-85.500	A	0.000	0.000	13.513	0.000	0.048

Tower Sectio n	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		B	0.000	0.000	12.250	0.000	0.103
		C	0.000	0.000	8.389	0.000	0.040
L27	85.500-85.250	A	0.000	0.000	1.187	0.000	0.010
		B	0.000	0.000	1.102	0.000	0.014
		C	0.000	0.000	0.845	0.000	0.010
L28	85.250-84.000	A	0.000	0.000	5.933	0.000	0.052
		B	0.000	0.000	5.512	0.000	0.070
		C	0.000	0.000	4.225	0.000	0.049
L29	84.000-83.750	A	0.000	0.000	1.187	0.000	0.010
		B	0.000	0.000	1.102	0.000	0.014
		C	0.000	0.000	0.845	0.000	0.010
L30	83.750-82.500	A	0.000	0.000	5.933	0.000	0.052
		B	0.000	0.000	5.512	0.000	0.070
		C	0.000	0.000	4.225	0.000	0.049
L31	82.500-82.250	A	0.000	0.000	1.187	0.000	0.010
		B	0.000	0.000	1.102	0.000	0.014
		C	0.000	0.000	0.845	0.000	0.010
L32	82.250-80.000	A	0.000	0.000	7.929	0.000	0.093
		B	0.000	0.000	7.171	0.000	0.126
		C	0.000	0.000	4.854	0.000	0.088
L33	80.000-75.000	A	0.000	0.000	14.424	0.000	0.184
		B	0.000	0.000	12.740	0.000	0.259
		C	0.000	0.000	7.591	0.000	0.173
L34	75.000-70.000	A	0.000	0.000	11.271	0.000	0.054
		B	0.000	0.000	9.586	0.000	0.129
		C	0.000	0.000	4.438	0.000	0.043
L35	70.000-65.000	A	0.000	0.000	11.744	0.000	0.079
		B	0.000	0.000	10.059	0.000	0.154
		C	0.000	0.000	4.911	0.000	0.068
L36	65.000-60.000	A	0.000	0.000	16.005	0.000	0.303
		B	0.000	0.000	14.321	0.000	0.378
		C	0.000	0.000	9.172	0.000	0.292
L37	60.000-58.500	A	0.000	0.000	4.802	0.000	0.091
		B	0.000	0.000	4.296	0.000	0.113
		C	0.000	0.000	2.752	0.000	0.088
L38	58.500-58.250	A	0.000	0.000	0.800	0.000	0.015
		B	0.000	0.000	0.716	0.000	0.019
		C	0.000	0.000	0.459	0.000	0.015
L39	58.250-53.250	A	0.000	0.000	11.062	0.000	0.191
		B	0.000	0.000	9.378	0.000	0.266
		C	0.000	0.000	4.229	0.000	0.180
L40	53.250-48.250	A	0.000	0.000	10.500	0.000	0.054
		B	0.000	0.000	8.815	0.000	0.129
		C	0.000	0.000	3.667	0.000	0.043
L41	48.250-48.000	A	0.000	0.000	0.647	0.000	0.003
		B	0.000	0.000	0.563	0.000	0.006
		C	0.000	0.000	0.305	0.000	0.002
L42	48.000-43.000	A	0.000	0.000	16.967	0.000	0.261
		B	0.000	0.000	15.282	0.000	0.336
		C	0.000	0.000	10.134	0.000	0.250
L43	43.000-40.000	A	0.000	0.000	13.135	0.000	0.308
		B	0.000	0.000	12.124	0.000	0.353
		C	0.000	0.000	9.035	0.000	0.302
L44	40.000-35.000	A	0.000	0.000	22.624	0.000	0.491
		B	0.000	0.000	20.939	0.000	0.565
		C	0.000	0.000	15.791	0.000	0.480
L45	35.000-32.080	A	0.000	0.000	11.692	0.000	0.032
		B	0.000	0.000	10.708	0.000	0.075
		C	0.000	0.000	7.702	0.000	0.025
L46	32.080-31.830	A	0.000	0.000	1.001	0.000	0.003
		B	0.000	0.000	0.917	0.000	0.006
		C	0.000	0.000	0.659	0.000	0.002
L47	31.830-28.750	A	0.000	0.000	12.333	0.000	0.033
		B	0.000	0.000	11.295	0.000	0.079
		C	0.000	0.000	8.123	0.000	0.027
L48	28.750-28.500	A	0.000	0.000	1.001	0.000	0.003
		B	0.000	0.000	0.917	0.000	0.006
		C	0.000	0.000	0.659	0.000	0.002
L49	28.500-23.500	A	0.000	0.000	20.153	0.000	0.203

Tower Section n	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L50	23.500-18.500	B	0.000	0.000	18.468	0.000	0.278
		C	0.000	0.000	13.320	0.000	0.192
		A	0.000	0.000	24.073	0.000	0.552
L51	18.500-13.500	B	0.000	0.000	22.389	0.000	0.627
		C	0.000	0.000	17.240	0.000	0.541
		A	0.000	0.000	21.232	0.000	0.403
L52	13.500-8.500	B	0.000	0.000	19.548	0.000	0.477
		C	0.000	0.000	14.399	0.000	0.392
		A	0.000	0.000	14.604	0.000	0.054
L53	8.500-3.500	B	0.000	0.000	12.919	0.000	0.129
		C	0.000	0.000	7.621	0.000	0.030
		A	0.000	0.000	14.604	0.000	0.054
L54	3.500-0.000	B	0.000	0.000	12.919	0.000	0.129
		C	0.000	0.000	7.271	0.000	0.001
		A	0.000	0.000	10.223	0.000	0.038
		B	0.000	0.000	9.044	0.000	0.090
		C	0.000	0.000	5.090	0.000	0.001

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section n	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	190.000-185.000	A	1.487	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	2.848	0.000	0.043
		C		0.000	0.000	3.662	0.000	0.083
L2	185.000-180.000	A	1.483	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	4.741	0.000	0.071
		C		0.000	0.000	3.654	0.000	0.082
L3	180.000-175.000	A	1.479	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	4.736	0.000	0.074
		C		0.000	0.000	3.646	0.000	0.082
L4	175.000-170.000	A	1.475	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	7.231	0.000	0.119
		C		0.000	0.000	3.637	0.000	0.082
L5	170.000-165.000	A	1.470	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	10.971	0.000	0.186
		C		0.000	0.000	3.628	0.000	0.082
L6	165.000-160.000	A	1.466	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	10.960	0.000	0.186
		C		0.000	0.000	3.620	0.000	0.082
L7	160.000-155.000	A	1.461	0.000	0.000	13.054	0.000	0.202
		B		0.000	0.000	10.949	0.000	0.186
		C		0.000	0.000	3.610	0.000	0.081
L8	155.000-150.000	A	1.457	0.000	0.000	13.043	0.000	0.201
		B		0.000	0.000	10.937	0.000	0.185
		C		0.000	0.000	3.601	0.000	0.081
L9	150.000-145.000	A	1.452	0.000	0.000	13.030	0.000	0.201
		B		0.000	0.000	10.925	0.000	0.230
		C		0.000	0.000	3.591	0.000	0.081
L10	145.000-140.000	A	1.447	0.000	0.000	13.018	0.000	0.200
		B		0.000	0.000	10.912	0.000	0.229
		C		0.000	0.000	3.581	0.000	0.081
L11	140.000-135.000	A	1.442	0.000	0.000	13.005	0.000	0.200
		B		0.000	0.000	10.899	0.000	0.229
		C		0.000	0.000	3.571	0.000	0.081
L12	135.000-130.000	A	1.436	0.000	0.000	12.992	0.000	0.199
		B		0.000	0.000	10.886	0.000	0.228
		C		0.000	0.000	3.560	0.000	0.080
L13	130.000-125.000	A	1.431	0.000	0.000	12.978	0.000	0.199
		B		0.000	0.000	10.872	0.000	0.228
		C		0.000	0.000	3.549	0.000	0.080
L14	125.000-120.000	A	1.425	0.000	0.000	12.964	0.000	0.198
		B		0.000	0.000	10.858	0.000	0.230
		C		0.000	0.000	3.538	0.000	0.080
L15	120.000-115.000	A	1.419	0.000	0.000	12.949	0.000	0.198

Tower Sectio n	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		B		0.000	0.000	10.843	0.000	0.229
		C		0.000	0.000	3.526	0.000	0.080
L16	115.000-112.667	A	1.415	0.000	0.000	8.376	0.000	0.113
		B		0.000	0.000	7.393	0.000	0.128
		C		0.000	0.000	3.980	0.000	0.058
L17	112.667-112.417	A	1.413	0.000	0.000	0.939	0.000	0.013
		B		0.000	0.000	0.834	0.000	0.014
		C		0.000	0.000	0.468	0.000	0.007
L18	112.417-107.417	A	1.410	0.000	0.000	18.771	0.000	0.250
		B		0.000	0.000	16.665	0.000	0.282
		C		0.000	0.000	9.353	0.000	0.132
L19	107.417-103.330	A	1.404	0.000	0.000	17.894	0.000	0.224
		B		0.000	0.000	16.173	0.000	0.252
		C		0.000	0.000	10.198	0.000	0.129
L20	103.330-103.080	A	1.401	0.000	0.000	1.257	0.000	0.015
		B		0.000	0.000	1.152	0.000	0.017
		C		0.000	0.000	0.787	0.000	0.009
L21	103.080-100.000	A	1.399	0.000	0.000	13.927	0.000	0.171
		B		0.000	0.000	12.630	0.000	0.192
		C		0.000	0.000	8.129	0.000	0.099
L22	100.000-95.000	A	1.393	0.000	0.000	19.276	0.000	0.247
		B		0.000	0.000	17.171	0.000	0.281
		C		0.000	0.000	9.867	0.000	0.131
L23	95.000-90.000	A	1.386	0.000	0.000	20.158	0.000	0.255
		B		0.000	0.000	18.053	0.000	0.291
		C		0.000	0.000	10.752	0.000	0.139
L24	90.000-89.500	A	1.382	0.000	0.000	2.377	0.000	0.029
		B		0.000	0.000	2.167	0.000	0.032
		C		0.000	0.000	1.437	0.000	0.017
L25	89.500-89.250	A	1.381	0.000	0.000	1.188	0.000	0.014
		B		0.000	0.000	1.083	0.000	0.016
		C		0.000	0.000	0.718	0.000	0.009
L26	89.250-85.500	A	1.378	0.000	0.000	19.579	0.000	0.239
		B		0.000	0.000	18.000	0.000	0.266
		C		0.000	0.000	12.528	0.000	0.153
L27	85.500-85.250	A	1.375	0.000	0.000	1.666	0.000	0.027
		B		0.000	0.000	1.561	0.000	0.028
		C		0.000	0.000	1.196	0.000	0.021
L28	85.250-84.000	A	1.373	0.000	0.000	8.330	0.000	0.133
		B		0.000	0.000	7.804	0.000	0.142
		C		0.000	0.000	5.981	0.000	0.104
L29	84.000-83.750	A	1.372	0.000	0.000	1.666	0.000	0.027
		B		0.000	0.000	1.560	0.000	0.028
		C		0.000	0.000	1.196	0.000	0.021
L30	83.750-82.500	A	1.371	0.000	0.000	8.327	0.000	0.133
		B		0.000	0.000	7.801	0.000	0.142
		C		0.000	0.000	5.977	0.000	0.104
L31	82.500-82.250	A	1.370	0.000	0.000	1.665	0.000	0.027
		B		0.000	0.000	1.560	0.000	0.028
		C		0.000	0.000	1.195	0.000	0.021
L32	82.250-80.000	A	1.368	0.000	0.000	11.528	0.000	0.210
		B		0.000	0.000	10.580	0.000	0.226
		C		0.000	0.000	7.299	0.000	0.158
L33	80.000-75.000	A	1.361	0.000	0.000	21.701	0.000	0.405
		B		0.000	0.000	19.595	0.000	0.443
		C		0.000	0.000	12.307	0.000	0.291
L34	75.000-70.000	A	1.352	0.000	0.000	17.884	0.000	0.233
		B		0.000	0.000	15.778	0.000	0.271
		C		0.000	0.000	8.495	0.000	0.119
L35	70.000-65.000	A	1.343	0.000	0.000	18.397	0.000	0.262
		B		0.000	0.000	16.291	0.000	0.300
		C		0.000	0.000	9.013	0.000	0.149
L36	65.000-60.000	A	1.332	0.000	0.000	23.277	0.000	0.537
		B		0.000	0.000	21.171	0.000	0.576
		C		0.000	0.000	13.897	0.000	0.425
L37	60.000-58.500	A	1.325	0.000	0.000	6.974	0.000	0.161
		B		0.000	0.000	6.343	0.000	0.172
		C		0.000	0.000	4.162	0.000	0.127
L38	58.500-58.250	A	1.323	0.000	0.000	1.162	0.000	0.027

Tower Sectio n	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		B		0.000	0.000	1.057	0.000	0.029
		C		0.000	0.000	0.693	0.000	0.021
L39	58.250-53.250	A	1.317	0.000	0.000	16.961	0.000	0.366
		B		0.000	0.000	14.855	0.000	0.404
		C		0.000	0.000	7.589	0.000	0.254
L40	53.250-48.250	A	1.305	0.000	0.000	16.360	0.000	0.214
		B		0.000	0.000	14.254	0.000	0.253
		C		0.000	0.000	6.994	0.000	0.103
L41	48.250-48.000	A	1.298	0.000	0.000	0.968	0.000	0.012
		B		0.000	0.000	0.863	0.000	0.014
		C		0.000	0.000	0.500	0.000	0.006
L42	48.000-43.000	A	1.291	0.000	0.000	24.000	0.000	0.491
		B		0.000	0.000	21.895	0.000	0.530
		C		0.000	0.000	14.642	0.000	0.381
L43	43.000-40.000	A	1.279	0.000	0.000	17.789	0.000	0.480
		B		0.000	0.000	16.526	0.000	0.503
		C		0.000	0.000	12.177	0.000	0.414
L44	40.000-35.000	A	1.266	0.000	0.000	30.464	0.000	0.778
		B		0.000	0.000	28.358	0.000	0.817
		C		0.000	0.000	21.117	0.000	0.669
L45	35.000-32.080	A	1.252	0.000	0.000	16.080	0.000	0.169
		B		0.000	0.000	14.851	0.000	0.192
		C		0.000	0.000	10.626	0.000	0.106
L46	32.080-31.830	A	1.246	0.000	0.000	1.375	0.000	0.014
		B		0.000	0.000	1.270	0.000	0.016
		C		0.000	0.000	0.909	0.000	0.009
L47	31.830-28.750	A	1.239	0.000	0.000	16.926	0.000	0.176
		B		0.000	0.000	15.629	0.000	0.201
		C		0.000	0.000	11.177	0.000	0.110
L48	28.750-28.500	A	1.232	0.000	0.000	1.372	0.000	0.014
		B		0.000	0.000	1.267	0.000	0.016
		C		0.000	0.000	0.906	0.000	0.009
L49	28.500-23.500	A	1.221	0.000	0.000	27.316	0.000	0.439
		B		0.000	0.000	25.211	0.000	0.479
		C		0.000	0.000	17.993	0.000	0.333
L50	23.500-18.500	A	1.195	0.000	0.000	31.444	0.000	0.831
		B		0.000	0.000	29.339	0.000	0.871
		C		0.000	0.000	22.134	0.000	0.726
L51	18.500-13.500	A	1.163	0.000	0.000	28.075	0.000	0.643
		B		0.000	0.000	25.969	0.000	0.684
		C		0.000	0.000	18.780	0.000	0.541
L52	13.500-8.500	A	1.120	0.000	0.000	20.404	0.000	0.219
		B		0.000	0.000	18.298	0.000	0.261
		C		0.000	0.000	10.645	0.000	0.103
L53	8.500-3.500	A	1.054	0.000	0.000	20.173	0.000	0.209
		B		0.000	0.000	18.068	0.000	0.252
		C		0.000	0.000	9.379	0.000	0.058
L54	3.500-0.000	A	0.932	0.000	0.000	13.822	0.000	0.134
		B		0.000	0.000	12.348	0.000	0.165
		C		0.000	0.000	6.394	0.000	0.035

Feed Line Center of Pressure

Section	Elevation	CP _x	CP _z	CP _x	CP _z
	ft	in	in	Ice in	Ice in
L1	190.000-185.000	0.401	-1.162	-0.635	0.093
L2	185.000-180.000	1.072	-2.254	-0.014	-0.848
L3	180.000-175.000	1.114	-2.345	-0.020	-0.906
L4	175.000-170.000	2.500	-3.396	1.025	-1.709
L5	170.000-165.000	4.107	-4.615	2.230	-2.635
L6	165.000-160.000	4.107	-4.615	2.232	-2.636
L7	160.000-155.000	-1.504	-8.684	-1.264	-5.771
L8	155.000-150.000	-1.504	-8.684	-1.264	-5.772
L9	150.000-145.000	-1.504	-8.684	-1.263	-5.774

Section	Elevation	CP _x	CP _z	CP _x Ice	CP _z Ice
	ft	in	in	in	in
L10	145.000-140.000	-1.504	-8.684	-1.263	-5.775
L11	140.000-135.000	-1.587	-9.278	-1.355	-6.242
L12	135.000-130.000	-1.587	-9.278	-1.354	-6.244
L13	130.000-125.000	-1.587	-9.278	-1.353	-6.245
L14	125.000-120.000	-1.587	-9.278	-1.352	-6.247
L15	120.000-115.000	-1.660	-9.807	-1.435	-6.671
L16	115.000-112.667	-1.131	-6.686	-1.169	-5.439
L17	112.667-112.417	-1.075	-6.350	-1.134	-5.277
L18	112.417-107.417	-1.075	-6.350	-1.134	-5.277
L19	107.417-103.330	-0.721	-4.259	-1.018	-4.742
L20	103.330-103.080	-0.638	-3.770	-0.915	-4.266
L21	103.080-100.000	-0.707	-4.177	-0.993	-4.628
L22	100.000-95.000	-1.138	-6.780	-1.179	-5.527
L23	95.000-90.000	-1.082	-6.451	-1.143	-5.362
L24	90.000-89.500	-0.711	-4.236	-1.018	-4.778
L25	89.500-89.250	-0.711	-4.236	-1.017	-4.778
L26	89.250-85.500	-0.658	-3.921	-0.947	-4.451
L27	85.500-85.250	-0.530	-3.160	-0.782	-3.677
L28	85.250-84.000	-0.530	-3.160	-0.782	-3.677
L29	84.000-83.750	-0.530	-3.160	-0.782	-3.677
L30	83.750-82.500	-0.530	-3.160	-0.782	-3.677
L31	82.500-82.250	-0.530	-3.160	-0.782	-3.678
L32	82.250-80.000	-0.670	-3.996	-0.960	-4.516
L33	80.000-75.000	-1.007	-6.002	-1.080	-5.089
L34	75.000-70.000	-1.244	-7.411	-1.225	-5.779
L35	70.000-65.000	-1.201	-7.159	-1.200	-5.669
L36	65.000-60.000	-0.720	-4.293	-1.021	-4.830
L37	60.000-58.500	-0.720	-4.293	-1.020	-4.830
L38	58.500-58.250	-0.720	-4.293	-1.020	-4.830
L39	58.250-53.250	-1.263	-7.528	-1.256	-5.956
L40	53.250-48.250	-1.319	-7.863	-1.281	-6.084
L41	48.250-48.000	-1.106	-6.593	-1.148	-5.458
L42	48.000-43.000	-0.690	-4.114	-0.987	-4.698
L43	43.000-40.000	-0.565	-3.368	-0.834	-3.979
L44	40.000-35.000	-0.551	-3.282	-0.814	-3.888
L45	35.000-32.080	-0.609	-3.629	-0.880	-4.216
L46	32.080-31.830	-0.609	-3.629	-0.879	-4.216
L47	31.830-28.750	-0.609	-3.629	-0.878	-4.216
L48	28.750-28.500	-0.609	-3.629	-0.878	-4.217
L49	28.500-23.500	-0.604	-3.602	-0.876	-4.216
L50	23.500-18.500	-0.522	-3.114	-0.775	-3.747
L51	18.500-13.500	-0.578	-3.447	-0.841	-4.086
L52	13.500-8.500	-0.936	-6.021	-0.948	-5.318
L53	8.500-3.500	-0.794	-6.218	-0.689	-5.657
L54	3.500-0.000	-0.794	-6.218	-0.688	-5.633

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	1	HB114-21U3M12-XXXXF(1-1/4")	185.00 - 188.00	1.0000	1.0000
L1	37	Safety Line 3/8	185.00 - 190.00	1.0000	1.0000
L1	38	Climbing Rung	185.00 - 190.00	1.0000	1.0000
L2	1	HB114-21U3M12-XXXXF(1-1/4")	180.00 - 185.00	1.0000	1.0000
L2	37	Safety Line 3/8	180.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L2	38	Climbing Rung	185.00 180.00 - 185.00	1.0000	1.0000
L3	1	HB114-21U3M12-XXXF(1-1/4")	175.00 - 180.00	1.0000	1.0000
L3	37	Safety Line 3/8	175.00 - 180.00	1.0000	1.0000
L3	38	Climbing Rung	175.00 - 180.00	1.0000	1.0000
L4	1	HB114-21U3M12-XXXF(1-1/4")	170.00 - 175.00	1.0000	1.0000
L4	11	FDH1204-24SE2-70M(1-3/4)	170.00 - 172.00	1.0000	1.0000
L4	37	Safety Line 3/8	170.00 - 175.00	1.0000	1.0000
L4	38	Climbing Rung	170.00 - 175.00	1.0000	1.0000
L5	1	HB114-21U3M12-XXXF(1-1/4")	165.00 - 170.00	1.0000	1.0000
L5	11	FDH1204-24SE2-70M(1-3/4)	165.00 - 170.00	1.0000	1.0000
L5	37	Safety Line 3/8	165.00 - 170.00	1.0000	1.0000
L5	38	Climbing Rung	165.00 - 170.00	1.0000	1.0000
L6	1	HB114-21U3M12-XXXF(1-1/4")	160.00 - 165.00	1.0000	1.0000
L6	11	FDH1204-24SE2-70M(1-3/4)	160.00 - 165.00	1.0000	1.0000
L6	37	Safety Line 3/8	160.00 - 165.00	1.0000	1.0000
L6	38	Climbing Rung	160.00 - 165.00	1.0000	1.0000
L7	1	HB114-21U3M12-XXXF(1-1/4")	155.00 - 160.00	1.0000	1.0000
L7	11	FDH1204-24SE2-70M(1-3/4)	155.00 - 160.00	1.0000	1.0000
L7	17	FB-L98B-002-100000(3/8")	155.00 - 160.00	1.0000	1.0000
L7	18	LDF7-50A(1-5/8)	155.00 - 160.00	1.0000	1.0000
L7	37	Safety Line 3/8	155.00 - 160.00	1.0000	1.0000
L7	38	Climbing Rung	155.00 - 160.00	1.0000	1.0000
L8	1	HB114-21U3M12-XXXF(1-1/4")	150.00 - 155.00	1.0000	1.0000
L8	11	FDH1204-24SE2-70M(1-3/4)	150.00 - 155.00	1.0000	1.0000
L8	17	FB-L98B-002-100000(3/8")	150.00 - 155.00	1.0000	1.0000
L8	18	LDF7-50A(1-5/8)	150.00 - 155.00	1.0000	1.0000
L8	37	Safety Line 3/8	150.00 - 155.00	1.0000	1.0000
L8	38	Climbing Rung	150.00 - 155.00	1.0000	1.0000
L9	1	HB114-21U3M12-XXXF(1-1/4")	145.00 - 150.00	1.0000	1.0000
L9	11	FDH1204-24SE2-70M(1-3/4)	145.00 - 150.00	1.0000	1.0000
L9	17	FB-L98B-002-100000(3/8")	145.00 - 150.00	1.0000	1.0000
L9	18	LDF7-50A(1-5/8)	145.00 - 150.00	1.0000	1.0000
L9	37	Safety Line 3/8	145.00 - 150.00	1.0000	1.0000
L9	38	Climbing Rung	145.00 - 150.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L10	1	HB114-21U3M12-XXXF(1-1/4")	140.00 - 145.00	1.0000	1.0000
L10	11	FDH1204-24SE2-70M(1-3/4)	140.00 - 145.00	1.0000	1.0000
L10	17	FB-L98B-002-100000(3/8")	140.00 - 145.00	1.0000	1.0000
L10	18	LDF7-50A(1-5/8)	140.00 - 145.00	1.0000	1.0000
L10	37	Safety Line 3/8	140.00 - 145.00	1.0000	1.0000
L10	38	Climbing Rung	140.00 - 145.00	1.0000	1.0000
L11	1	HB114-21U3M12-XXXF(1-1/4")	135.00 - 140.00	1.0000	1.0000
L11	11	FDH1204-24SE2-70M(1-3/4)	135.00 - 140.00	1.0000	1.0000
L11	17	FB-L98B-002-100000(3/8")	135.00 - 140.00	1.0000	1.0000
L11	18	LDF7-50A(1-5/8)	135.00 - 140.00	1.0000	1.0000
L11	37	Safety Line 3/8	135.00 - 140.00	1.0000	1.0000
L11	38	Climbing Rung	135.00 - 140.00	1.0000	1.0000
L12	1	HB114-21U3M12-XXXF(1-1/4")	130.00 - 135.00	1.0000	1.0000
L12	11	FDH1204-24SE2-70M(1-3/4)	130.00 - 135.00	1.0000	1.0000
L12	17	FB-L98B-002-100000(3/8")	130.00 - 135.00	1.0000	1.0000
L12	18	LDF7-50A(1-5/8)	130.00 - 135.00	1.0000	1.0000
L12	37	Safety Line 3/8	130.00 - 135.00	1.0000	1.0000
L12	38	Climbing Rung	130.00 - 135.00	1.0000	1.0000
L13	1	HB114-21U3M12-XXXF(1-1/4")	125.00 - 130.00	1.0000	1.0000
L13	11	FDH1204-24SE2-70M(1-3/4)	125.00 - 130.00	1.0000	1.0000
L13	17	FB-L98B-002-100000(3/8")	125.00 - 130.00	1.0000	1.0000
L13	18	LDF7-50A(1-5/8)	125.00 - 130.00	1.0000	1.0000
L13	37	Safety Line 3/8	125.00 - 130.00	1.0000	1.0000
L13	38	Climbing Rung	125.00 - 130.00	1.0000	1.0000
L14	1	HB114-21U3M12-XXXF(1-1/4")	120.00 - 125.00	1.0000	1.0000
L14	11	FDH1204-24SE2-70M(1-3/4)	120.00 - 125.00	1.0000	1.0000
L14	17	FB-L98B-002-100000(3/8")	120.00 - 125.00	1.0000	1.0000
L14	18	LDF7-50A(1-5/8)	120.00 - 125.00	1.0000	1.0000
L14	37	Safety Line 3/8	120.00 - 125.00	1.0000	1.0000
L14	38	Climbing Rung	120.00 - 125.00	1.0000	1.0000
L15	1	HB114-21U3M12-XXXF(1-1/4")	115.00 - 120.00	1.0000	1.0000
L15	11	FDH1204-24SE2-70M(1-3/4)	115.00 - 120.00	1.0000	1.0000
L15	17	FB-L98B-002-100000(3/8")	115.00 - 120.00	1.0000	1.0000
L15	18	LDF7-50A(1-5/8)	115.00 - 120.00	1.0000	1.0000
L15	37	Safety Line 3/8	115.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L15	38	Climbing Rung	120.00 115.00 -	1.0000	1.0000
L16	1	HB114-21U3M12-XXXF(1-1/4")	120.00 112.67 -	1.0000	1.0000
L16	11	FDH1204-24SE2-70M(1-3/4)	115.00 112.67 -	1.0000	1.0000
L16	17	FB-L98B-002-100000(3/8")	115.00 112.67 -	1.0000	1.0000
L16	18	LDF7-50A(1-5/8)	115.00 112.67 -	1.0000	1.0000
L16	37	Safety Line 3/8	115.00 112.67 -	1.0000	1.0000
L16	38	Climbing Rung	115.00 112.67 -	1.0000	1.0000
L16	52	CCI 6" x 1" Plate	115.00 114.67	1.0000	1.0000
L16	53	CCI 6" x 1" Plate	114.67 112.67 -	1.0000	1.0000
L16	54	CCI 6" x 1" Plate	114.67 112.67 -	1.0000	1.0000
L17	1	HB114-21U3M12-XXXF(1-1/4")	114.67 112.42 -	1.0000	1.0000
L17	11	FDH1204-24SE2-70M(1-3/4)	112.67 112.42 -	1.0000	1.0000
L17	17	FB-L98B-002-100000(3/8")	112.67 112.42 -	1.0000	1.0000
L17	18	LDF7-50A(1-5/8)	112.67 112.42 -	1.0000	1.0000
L17	37	Safety Line 3/8	112.67 112.42 -	1.0000	1.0000
L17	38	Climbing Rung	112.67 112.42 -	1.0000	1.0000
L17	52	CCI 6" x 1" Plate	112.67 112.42 -	1.0000	1.0000
L17	53	CCI 6" x 1" Plate	112.67 112.42 -	1.0000	1.0000
L17	54	CCI 6" x 1" Plate	112.67 112.42 -	1.0000	1.0000
L18	1	HB114-21U3M12-XXXF(1-1/4")	112.67 107.42 -	1.0000	1.0000
L18	11	FDH1204-24SE2-70M(1-3/4)	112.42 107.42 -	1.0000	1.0000
L18	17	FB-L98B-002-100000(3/8")	112.42 107.42 -	1.0000	1.0000
L18	18	LDF7-50A(1-5/8)	112.42 107.42 -	1.0000	1.0000
L18	37	Safety Line 3/8	112.42 107.42 -	1.0000	1.0000
L18	38	Climbing Rung	112.42 107.42 -	1.0000	1.0000
L18	52	CCI 6" x 1" Plate	112.42 107.42 -	1.0000	1.0000
L18	53	CCI 6" x 1" Plate	112.42 107.42 -	1.0000	1.0000
L18	54	CCI 6" x 1" Plate	112.42 107.42 -	1.0000	1.0000
L19	1	HB114-21U3M12-XXXF(1-1/4")	112.42 103.33 -	1.0000	1.0000
L19	11	FDH1204-24SE2-70M(1-3/4)	107.42 103.33 -	1.0000	1.0000
L19	17	FB-L98B-002-100000(3/8")	107.42 103.33 -	1.0000	1.0000
L19	18	LDF7-50A(1-5/8)	107.42 103.33 -	1.0000	1.0000
L19	37	Safety Line 3/8	107.42 103.33 -	1.0000	1.0000
L19	38	Climbing Rung	107.42 103.33 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L19	49	CCI 6" x 1" Plate	103.33 - 105.33	1.0000	1.0000
L19	50	CCI 6" x 1" Plate	103.33 - 105.33	1.0000	1.0000
L19	51	CCI 6" x 1" Plate	103.33 - 105.33	1.0000	1.0000
L19	52	CCI 6" x 1" Plate	103.33 - 107.42	1.0000	1.0000
L19	53	CCI 6" x 1" Plate	103.33 - 107.42	1.0000	1.0000
L19	54	CCI 6" x 1" Plate	103.33 - 107.42	1.0000	1.0000
L20	1	HB114-21U3M12-XXXF(1-1/4")	103.08 - 103.33	1.0000	1.0000
L20	11	FDH1204-24SE2-70M(1-3/4)	103.08 - 103.33	1.0000	1.0000
L20	17	FB-L98B-002-100000(3/8")	103.08 - 103.33	1.0000	1.0000
L20	18	LDF7-50A(1-5/8)	103.08 - 103.33	1.0000	1.0000
L20	37	Safety Line 3/8	103.08 - 103.33	1.0000	1.0000
L20	38	Climbing Rung	103.08 - 103.33	1.0000	1.0000
L20	49	CCI 6" x 1" Plate	103.08 - 103.33	1.0000	1.0000
L20	50	CCI 6" x 1" Plate	103.08 - 103.33	1.0000	1.0000
L20	51	CCI 6" x 1" Plate	103.08 - 103.33	1.0000	1.0000
L20	52	CCI 6" x 1" Plate	103.08 - 103.33	1.0000	1.0000
L20	53	CCI 6" x 1" Plate	103.08 - 103.33	1.0000	1.0000
L20	54	CCI 6" x 1" Plate	103.08 - 103.33	1.0000	1.0000
L21	1	HB114-21U3M12-XXXF(1-1/4")	100.00 - 103.08	1.0000	1.0000
L21	11	FDH1204-24SE2-70M(1-3/4)	100.00 - 103.08	1.0000	1.0000
L21	17	FB-L98B-002-100000(3/8")	100.00 - 103.08	1.0000	1.0000
L21	18	LDF7-50A(1-5/8)	100.00 - 103.08	1.0000	1.0000
L21	37	Safety Line 3/8	100.00 - 103.08	1.0000	1.0000
L21	38	Climbing Rung	100.00 - 103.08	1.0000	1.0000
L21	49	CCI 6" x 1" Plate	100.00 - 103.08	1.0000	1.0000
L21	50	CCI 6" x 1" Plate	100.00 - 103.08	1.0000	1.0000
L21	51	CCI 6" x 1" Plate	100.00 - 103.08	1.0000	1.0000
L21	52	CCI 6" x 1" Plate	101.33 - 103.08	1.0000	1.0000
L21	53	CCI 6" x 1" Plate	101.33 - 103.08	1.0000	1.0000
L21	54	CCI 6" x 1" Plate	101.33 - 103.08	1.0000	1.0000
L22	1	HB114-21U3M12-XXXF(1-1/4")	95.00 - 100.00	1.0000	1.0000
L22	11	FDH1204-24SE2-70M(1-3/4)	95.00 - 100.00	1.0000	1.0000
L22	17	FB-L98B-002-100000(3/8")	95.00 - 100.00	1.0000	1.0000
L22	18	LDF7-50A(1-5/8)	95.00 - 100.00	1.0000	1.0000
L22	37	Safety Line 3/8	95.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L22	38	Climbing Rung	100.00 95.00 -	1.0000	1.0000
L22	49	CCI 6" x 1" Plate	100.00 95.00 -	1.0000	1.0000
L22	50	CCI 6" x 1" Plate	100.00 95.00 -	1.0000	1.0000
L22	51	CCI 6" x 1" Plate	100.00 95.00 -	1.0000	1.0000
L23	1	HB114-21U3M12-XXXF(1-1/4")	100.00 90.00 -	1.0000	1.0000
L23	11	FDH1204-24SE2-70M(1-3/4)	95.00 90.00 -	1.0000	1.0000
L23	17	FB-L98B-002-100000(3/8")	95.00 90.00 -	1.0000	1.0000
L23	18	LDF7-50A(1-5/8)	95.00 90.00 -	1.0000	1.0000
L23	37	Safety Line 3/8	95.00 90.00 -	1.0000	1.0000
L23	38	Climbing Rung	95.00 90.00 -	1.0000	1.0000
L23	49	CCI 6" x 1" Plate	95.00 90.00 -	1.0000	1.0000
L23	50	CCI 6" x 1" Plate	95.00 90.00 -	1.0000	1.0000
L23	51	CCI 6" x 1" Plate	95.00 90.00 -	1.0000	1.0000
L23	56	CCI 4.5" x 1" Plate	95.00 90.00 -	1.0000	1.0000
L23	57	CCI 4.5" x 1" Plate	91.00 90.00 -	1.0000	1.0000
L23	58	CCI 4.5" x 1" Plate	91.00 90.00 -	1.0000	1.0000
L24	1	HB114-21U3M12-XXXF(1-1/4")	91.00 89.50 -	1.0000	1.0000
L24	11	FDH1204-24SE2-70M(1-3/4)	90.00 89.50 -	1.0000	1.0000
L24	17	FB-L98B-002-100000(3/8")	90.00 89.50 -	1.0000	1.0000
L24	18	LDF7-50A(1-5/8)	90.00 89.50 -	1.0000	1.0000
L24	37	Safety Line 3/8	90.00 89.50 -	1.0000	1.0000
L24	38	Climbing Rung	90.00 89.50 -	1.0000	1.0000
L24	49	CCI 6" x 1" Plate	90.00 89.50 -	1.0000	1.0000
L24	50	CCI 6" x 1" Plate	90.00 89.50 -	1.0000	1.0000
L24	51	CCI 6" x 1" Plate	90.00 89.50 -	1.0000	1.0000
L24	56	CCI 4.5" x 1" Plate	90.00 89.50 -	1.0000	1.0000
L24	57	CCI 4.5" x 1" Plate	90.00 89.50 -	1.0000	1.0000
L24	58	CCI 4.5" x 1" Plate	90.00 89.50 -	1.0000	1.0000
L25	1	HB114-21U3M12-XXXF(1-1/4")	89.50 89.25 -	1.0000	1.0000
L25	11	FDH1204-24SE2-70M(1-3/4)	89.50 89.25 -	1.0000	1.0000
L25	17	FB-L98B-002-100000(3/8")	89.50 89.25 -	1.0000	1.0000
L25	18	LDF7-50A(1-5/8)	89.50 89.25 -	1.0000	1.0000
L25	37	Safety Line 3/8	89.50 89.25 -	1.0000	1.0000
L25	38	Climbing Rung	89.50 89.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L25	49	CCI 6" x 1" Plate	89.25 - 89.50	1.0000	1.0000
L25	50	CCI 6" x 1" Plate	89.25 - 89.50	1.0000	1.0000
L25	51	CCI 6" x 1" Plate	89.25 - 89.50	1.0000	1.0000
L25	56	CCI 4.5" x 1" Plate	89.25 - 89.50	1.0000	1.0000
L25	57	CCI 4.5" x 1" Plate	89.25 - 89.50	1.0000	1.0000
L25	58	CCI 4.5" x 1" Plate	89.25 - 89.50	1.0000	1.0000
L26	1	HB114-21U3M12-XXXF(1-1/4")	85.50 - 89.25	1.0000	1.0000
L26	11	FDH1204-24SE2-70M(1-3/4)	85.50 - 89.25	1.0000	1.0000
L26	17	FB-L98B-002-100000(3/8")	85.50 - 89.25	1.0000	1.0000
L26	18	LDF7-50A(1-5/8)	85.50 - 89.25	1.0000	1.0000
L26	37	Safety Line 3/8	85.50 - 89.25	1.0000	1.0000
L26	38	Climbing Rung	85.50 - 89.25	1.0000	1.0000
L26	46	CCI 4.5" x 1" Plate	85.50 - 87.00	1.0000	1.0000
L26	47	CCI 4.5" x 1" Plate	85.50 - 87.00	1.0000	1.0000
L26	48	CCI 4.5" x 1" Plate	85.50 - 87.00	1.0000	1.0000
L26	49	CCI 6" x 1" Plate	85.50 - 89.25	1.0000	1.0000
L26	50	CCI 6" x 1" Plate	85.50 - 89.25	1.0000	1.0000
L26	51	CCI 6" x 1" Plate	85.50 - 89.25	1.0000	1.0000
L26	56	CCI 4.5" x 1" Plate	85.50 - 89.25	1.0000	1.0000
L26	57	CCI 4.5" x 1" Plate	85.50 - 89.25	1.0000	1.0000
L26	58	CCI 4.5" x 1" Plate	85.50 - 89.25	1.0000	1.0000
L26	75	4.5" x 1" BS + 1" filler plate	85.50 - 85.75	1.0000	1.0000
L26	76	4.5" x 1" BS + 1" filler plate	85.50 - 85.75	1.0000	1.0000
L26	77	4.5" x 1" BS + 1" filler plate	85.50 - 85.75	1.0000	1.0000
L27	1	HB114-21U3M12-XXXF(1-1/4")	85.25 - 85.50	1.0000	1.0000
L27	11	FDH1204-24SE2-70M(1-3/4)	85.25 - 85.50	1.0000	1.0000
L27	17	FB-L98B-002-100000(3/8")	85.25 - 85.50	1.0000	1.0000
L27	18	LDF7-50A(1-5/8)	85.25 - 85.50	1.0000	1.0000
L27	37	Safety Line 3/8	85.25 - 85.50	1.0000	1.0000
L27	38	Climbing Rung	85.25 - 85.50	1.0000	1.0000
L27	46	CCI 4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	47	CCI 4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	48	CCI 4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	49	CCI 6" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	50	CCI 6" x 1" Plate	85.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L27	51	CCI 6" x 1" Plate	85.50 85.25 - 85.50	1.0000	1.0000
L27	56	CCI 4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	57	CCI 4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	58	CCI 4.5" x 1" Plate	85.25 - 85.50	1.0000	1.0000
L27	75	4.5" x 1" BS + 1" filler plate	85.25 - 85.50	1.0000	1.0000
L27	76	4.5" x 1" BS + 1" filler plate	85.25 - 85.50	1.0000	1.0000
L27	77	4.5" x 1" BS + 1" filler plate	85.25 - 85.50	1.0000	1.0000
L28	1	HB114-21U3M12-XXXF(1-1/4")	84.00 - 85.25	1.0000	1.0000
L28	11	FDH1204-24SE2-70M(1-3/4)	84.00 - 85.25	1.0000	1.0000
L28	17	FB-L98B-002-100000(3/8")	84.00 - 85.25	1.0000	1.0000
L28	18	LDF7-50A(1-5/8)	84.00 - 85.25	1.0000	1.0000
L28	37	Safety Line 3/8	84.00 - 85.25	1.0000	1.0000
L28	38	Climbing Rung	84.00 - 85.25	1.0000	1.0000
L28	46	CCI 4.5" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	47	CCI 4.5" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	48	CCI 4.5" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	49	CCI 6" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	50	CCI 6" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	51	CCI 6" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	56	CCI 4.5" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	57	CCI 4.5" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	58	CCI 4.5" x 1" Plate	84.00 - 85.25	1.0000	1.0000
L28	75	4.5" x 1" BS + 1" filler plate	84.00 - 85.25	1.0000	1.0000
L28	76	4.5" x 1" BS + 1" filler plate	84.00 - 85.25	1.0000	1.0000
L28	77	4.5" x 1" BS + 1" filler plate	84.00 - 85.25	1.0000	1.0000
L29	1	HB114-21U3M12-XXXF(1-1/4")	83.75 - 84.00	1.0000	1.0000
L29	11	FDH1204-24SE2-70M(1-3/4)	83.75 - 84.00	1.0000	1.0000
L29	17	FB-L98B-002-100000(3/8")	83.75 - 84.00	1.0000	1.0000
L29	18	LDF7-50A(1-5/8)	83.75 - 84.00	1.0000	1.0000
L29	37	Safety Line 3/8	83.75 - 84.00	1.0000	1.0000
L29	38	Climbing Rung	83.75 - 84.00	1.0000	1.0000
L29	46	CCI 4.5" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	47	CCI 4.5" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	48	CCI 4.5" x 1" Plate	83.75 - 84.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L29	49	CCI 6" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	50	CCI 6" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	51	CCI 6" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	56	CCI 4.5" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	57	CCI 4.5" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	58	CCI 4.5" x 1" Plate	83.75 - 84.00	1.0000	1.0000
L29	75	4.5" x 1" BS + 1" filler plate	83.75 - 84.00	1.0000	1.0000
L29	76	4.5" x 1" BS + 1" filler plate	83.75 - 84.00	1.0000	1.0000
L29	77	4.5" x 1" BS + 1" filler plate	83.75 - 84.00	1.0000	1.0000
L30	1	HB114-21U3M12-XXXF(1-1/4")	82.50 - 83.75	1.0000	1.0000
L30	11	FDH1204-24SE2-70M(1-3/4)	82.50 - 83.75	1.0000	1.0000
L30	17	FB-L98B-002-100000(3/8")	82.50 - 83.75	1.0000	1.0000
L30	18	LDF7-50A(1-5/8)	82.50 - 83.75	1.0000	1.0000
L30	37	Safety Line 3/8	82.50 - 83.75	1.0000	1.0000
L30	38	Climbing Rung	82.50 - 83.75	1.0000	1.0000
L30	46	CCI 4.5" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	47	CCI 4.5" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	48	CCI 4.5" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	49	CCI 6" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	50	CCI 6" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	51	CCI 6" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	56	CCI 4.5" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	57	CCI 4.5" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	58	CCI 4.5" x 1" Plate	82.50 - 83.75	1.0000	1.0000
L30	75	4.5" x 1" BS + 1" filler plate	82.50 - 83.75	1.0000	1.0000
L30	76	4.5" x 1" BS + 1" filler plate	82.50 - 83.75	1.0000	1.0000
L30	77	4.5" x 1" BS + 1" filler plate	82.50 - 83.75	1.0000	1.0000
L31	1	HB114-21U3M12-XXXF(1-1/4")	82.25 - 82.50	1.0000	1.0000
L31	11	FDH1204-24SE2-70M(1-3/4)	82.25 - 82.50	1.0000	1.0000
L31	17	FB-L98B-002-100000(3/8")	82.25 - 82.50	1.0000	1.0000
L31	18	LDF7-50A(1-5/8)	82.25 - 82.50	1.0000	1.0000
L31	37	Safety Line 3/8	82.25 - 82.50	1.0000	1.0000
L31	38	Climbing Rung	82.25 - 82.50	1.0000	1.0000
L31	46	CCI 4.5" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	47	CCI 4.5" x 1" Plate	82.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L31	48	CCI 4.5" x 1" Plate	82.50 82.25 - 82.50	1.0000	1.0000
L31	49	CCI 6" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	50	CCI 6" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	51	CCI 6" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	56	CCI 4.5" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	57	CCI 4.5" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	58	CCI 4.5" x 1" Plate	82.25 - 82.50	1.0000	1.0000
L31	75	4.5" x 1" BS + 1" filler plate	82.25 - 82.50	1.0000	1.0000
L31	76	4.5" x 1" BS + 1" filler plate	82.25 - 82.50	1.0000	1.0000
L31	77	4.5" x 1" BS + 1" filler plate	82.25 - 82.50	1.0000	1.0000
L32	1	HB114-21U3M12-XXXX(1-1/4")	80.00 - 82.25	1.0000	1.0000
L32	11	FDH1204-24SE2-70M(1-3/4)	80.00 - 82.25	1.0000	1.0000
L32	17	FB-L98B-002-100000(3/8")	80.00 - 82.25	1.0000	1.0000
L32	18	LDF7-50A(1-5/8)	80.00 - 82.25	1.0000	1.0000
L32	37	Safety Line 3/8	80.00 - 82.25	1.0000	1.0000
L32	38	Climbing Rung	80.00 - 82.25	1.0000	1.0000
L32	46	CCI 4.5" x 1" Plate	80.00 - 82.25	1.0000	1.0000
L32	47	CCI 4.5" x 1" Plate	80.00 - 82.25	1.0000	1.0000
L32	48	CCI 4.5" x 1" Plate	80.00 - 82.25	1.0000	1.0000
L32	49	CCI 6" x 1" Plate	82.00 - 82.25	1.0000	1.0000
L32	50	CCI 6" x 1" Plate	82.00 - 82.25	1.0000	1.0000
L32	51	CCI 6" x 1" Plate	82.00 - 82.25	1.0000	1.0000
L32	56	CCI 4.5" x 1" Plate	81.00 - 82.25	1.0000	1.0000
L32	57	CCI 4.5" x 1" Plate	81.00 - 82.25	1.0000	1.0000
L32	58	CCI 4.5" x 1" Plate	81.00 - 82.25	1.0000	1.0000
L32	75	4.5" x 1" BS + 1" filler plate	80.00 - 82.25	1.0000	1.0000
L32	76	4.5" x 1" BS + 1" filler plate	80.00 - 82.25	1.0000	1.0000
L32	77	4.5" x 1" BS + 1" filler plate	80.00 - 82.25	1.0000	1.0000
L33	1	HB114-21U3M12-XXXX(1-1/4")	75.00 - 80.00	1.0000	1.0000
L33	11	FDH1204-24SE2-70M(1-3/4)	75.00 - 80.00	1.0000	1.0000
L33	17	FB-L98B-002-100000(3/8")	75.00 - 80.00	1.0000	1.0000
L33	18	LDF7-50A(1-5/8)	75.00 - 80.00	1.0000	1.0000
L33	37	Safety Line 3/8	75.00 - 80.00	1.0000	1.0000
L33	38	Climbing Rung	75.00 - 80.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L33	46	CCI 4.5" x 1" Plate	75.00 - 80.00	1.0000	1.0000
L33	47	CCI 4.5" x 1" Plate	75.00 - 80.00	1.0000	1.0000
L33	48	CCI 4.5" x 1" Plate	75.00 - 80.00	1.0000	1.0000
L33	75	4.5" x 1" BS + 1" filler plate	75.75 - 80.00	1.0000	1.0000
L33	76	4.5" x 1" BS + 1" filler plate	75.75 - 80.00	1.0000	1.0000
L33	77	4.5" x 1" BS + 1" filler plate	75.75 - 80.00	1.0000	1.0000
L34	1	HB114-21U3M12-XXXF(1-1/4")	70.00 - 75.00	1.0000	1.0000
L34	11	FDH1204-24SE2-70M(1-3/4)	70.00 - 75.00	1.0000	1.0000
L34	17	FB-L98B-002-100000(3/8")	70.00 - 75.00	1.0000	1.0000
L34	18	LDF7-50A(1-5/8)	70.00 - 75.00	1.0000	1.0000
L34	37	Safety Line 3/8	70.00 - 75.00	1.0000	1.0000
L34	38	Climbing Rung	70.00 - 75.00	1.0000	1.0000
L34	46	CCI 4.5" x 1" Plate	70.00 - 75.00	1.0000	1.0000
L34	47	CCI 4.5" x 1" Plate	70.00 - 75.00	1.0000	1.0000
L34	48	CCI 4.5" x 1" Plate	70.00 - 75.00	1.0000	1.0000
L35	1	HB114-21U3M12-XXXF(1-1/4")	65.00 - 70.00	1.0000	1.0000
L35	11	FDH1204-24SE2-70M(1-3/4)	65.00 - 70.00	1.0000	1.0000
L35	17	FB-L98B-002-100000(3/8")	65.00 - 70.00	1.0000	1.0000
L35	18	LDF7-50A(1-5/8)	65.00 - 70.00	1.0000	1.0000
L35	37	Safety Line 3/8	65.00 - 70.00	1.0000	1.0000
L35	38	Climbing Rung	65.00 - 70.00	1.0000	1.0000
L35	46	CCI 4.5" x 1" Plate	65.00 - 70.00	1.0000	1.0000
L35	47	CCI 4.5" x 1" Plate	65.00 - 70.00	1.0000	1.0000
L35	48	CCI 4.5" x 1" Plate	65.00 - 70.00	1.0000	1.0000
L35	72	6.5" x 1.25" BS + 1" filler plate	65.00 - 65.50	1.0000	1.0000
L35	73	6.5" x 1.25" BS + 1" filler plate	65.00 - 65.50	1.0000	1.0000
L35	74	6.5" x 1.25" BS + 1" filler plate	65.00 - 65.50	1.0000	1.0000
L36	1	HB114-21U3M12-XXXF(1-1/4")	60.00 - 65.00	1.0000	1.0000
L36	11	FDH1204-24SE2-70M(1-3/4)	60.00 - 65.00	1.0000	1.0000
L36	17	FB-L98B-002-100000(3/8")	60.00 - 65.00	1.0000	1.0000
L36	18	LDF7-50A(1-5/8)	60.00 - 65.00	1.0000	1.0000
L36	37	Safety Line 3/8	60.00 - 65.00	1.0000	1.0000
L36	38	Climbing Rung	60.00 - 65.00	1.0000	1.0000
L36	46	CCI 4.5" x 1" Plate	60.00 - 65.00	1.0000	1.0000
L36	47	CCI 4.5" x 1" Plate	60.00 - 65.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L36	48	CCI 4.5" x 1" Plate	65.00 60.00 -	1.0000	1.0000
L36	72	6.5" x 1.25" BS + 1" filler plate	65.00 60.00 -	1.0000	1.0000
L36	73	6.5" x 1.25" BS + 1" filler plate	65.00 60.00 -	1.0000	1.0000
L36	74	6.5" x 1.25" BS + 1" filler plate	65.00 60.00 -	1.0000	1.0000
L37	1	HB114-21U3M12-XXXF(1-1/4")	58.50 - 60.00	1.0000	1.0000
L37	11	FDH1204-24SE2-70M(1-3/4)	58.50 - 60.00	1.0000	1.0000
L37	17	FB-L98B-002-100000(3/8")	58.50 - 60.00	1.0000	1.0000
L37	18	LDF7-50A(1-5/8)	58.50 - 60.00	1.0000	1.0000
L37	37	Safety Line 3/8	58.50 - 60.00	1.0000	1.0000
L37	38	Climbing Rung	58.50 - 60.00	1.0000	1.0000
L37	46	CCI 4.5" x 1" Plate	58.50 - 60.00	1.0000	1.0000
L37	47	CCI 4.5" x 1" Plate	58.50 - 60.00	1.0000	1.0000
L37	48	CCI 4.5" x 1" Plate	58.50 - 60.00	1.0000	1.0000
L37	72	6.5" x 1.25" BS + 1" filler plate	58.50 - 60.00	1.0000	1.0000
L37	73	6.5" x 1.25" BS + 1" filler plate	58.50 - 60.00	1.0000	1.0000
L37	74	6.5" x 1.25" BS + 1" filler plate	58.50 - 60.00	1.0000	1.0000
L38	1	HB114-21U3M12-XXXF(1-1/4")	58.25 - 58.50	1.0000	1.0000
L38	11	FDH1204-24SE2-70M(1-3/4)	58.25 - 58.50	1.0000	1.0000
L38	17	FB-L98B-002-100000(3/8")	58.25 - 58.50	1.0000	1.0000
L38	18	LDF7-50A(1-5/8)	58.25 - 58.50	1.0000	1.0000
L38	37	Safety Line 3/8	58.25 - 58.50	1.0000	1.0000
L38	38	Climbing Rung	58.25 - 58.50	1.0000	1.0000
L38	46	CCI 4.5" x 1" Plate	58.25 - 58.50	1.0000	1.0000
L38	47	CCI 4.5" x 1" Plate	58.25 - 58.50	1.0000	1.0000
L38	48	CCI 4.5" x 1" Plate	58.25 - 58.50	1.0000	1.0000
L38	72	6.5" x 1.25" BS + 1" filler plate	58.25 - 58.50	1.0000	1.0000
L38	73	6.5" x 1.25" BS + 1" filler plate	58.25 - 58.50	1.0000	1.0000
L38	74	6.5" x 1.25" BS + 1" filler plate	58.25 - 58.50	1.0000	1.0000
L39	1	HB114-21U3M12-XXXF(1-1/4")	53.25 - 58.25	1.0000	1.0000
L39	11	FDH1204-24SE2-70M(1-3/4)	53.25 - 58.25	1.0000	1.0000
L39	17	FB-L98B-002-100000(3/8")	53.25 - 58.25	1.0000	1.0000
L39	18	LDF7-50A(1-5/8)	53.25 - 58.25	1.0000	1.0000
L39	37	Safety Line 3/8	53.25 - 58.25	1.0000	1.0000
L39	38	Climbing Rung	53.25 - 58.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L39	46	CCI 4.5" x 1" Plate	57.00 - 58.25	1.0000	1.0000
L39	47	CCI 4.5" x 1" Plate	57.00 - 58.25	1.0000	1.0000
L39	48	CCI 4.5" x 1" Plate	57.00 - 58.25	1.0000	1.0000
L39	72	6.5" x 1.25" BS + 1" filler plate	55.50 - 58.25	1.0000	1.0000
L39	73	6.5" x 1.25" BS + 1" filler plate	55.50 - 58.25	1.0000	1.0000
L39	74	6.5" x 1.25" BS + 1" filler plate	55.50 - 58.25	1.0000	1.0000
L40	1	HB114-21U3M12-XXXXF(1-1/4")	48.25 - 53.25	1.0000	1.0000
L40	11	FDH1204-24SE2-70M(1-3/4)	48.25 - 53.25	1.0000	1.0000
L40	17	FB-L98B-002-100000(3/8")	48.25 - 53.25	1.0000	1.0000
L40	18	LDF7-50A(1-5/8)	48.25 - 53.25	1.0000	1.0000
L40	37	Safety Line 3/8	48.25 - 53.25	1.0000	1.0000
L40	38	Climbing Rung	48.25 - 53.25	1.0000	1.0000
L40	43	CCI 6.5" x 1.25" Plate	48.25 - 51.00	1.0000	1.0000
L40	44	CCI 6.5" x 1.25" Plate	48.25 - 51.00	1.0000	1.0000
L40	45	CCI 6.5" x 1.25" Plate	48.25 - 51.00	1.0000	1.0000
L41	1	HB114-21U3M12-XXXXF(1-1/4")	48.00 - 48.25	1.0000	1.0000
L41	11	FDH1204-24SE2-70M(1-3/4)	48.00 - 48.25	1.0000	1.0000
L41	17	FB-L98B-002-100000(3/8")	48.00 - 48.25	1.0000	1.0000
L41	18	LDF7-50A(1-5/8)	48.00 - 48.25	1.0000	1.0000
L41	37	Safety Line 3/8	48.00 - 48.25	1.0000	1.0000
L41	38	Climbing Rung	48.00 - 48.25	1.0000	1.0000
L41	43	CCI 6.5" x 1.25" Plate	48.00 - 48.25	1.0000	1.0000
L41	44	CCI 6.5" x 1.25" Plate	48.00 - 48.25	1.0000	1.0000
L41	45	CCI 6.5" x 1.25" Plate	48.00 - 48.25	1.0000	1.0000
L42	1	HB114-21U3M12-XXXXF(1-1/4")	43.00 - 48.00	1.0000	1.0000
L42	11	FDH1204-24SE2-70M(1-3/4)	43.00 - 48.00	1.0000	1.0000
L42	17	FB-L98B-002-100000(3/8")	43.00 - 48.00	1.0000	1.0000
L42	18	LDF7-50A(1-5/8)	43.00 - 48.00	1.0000	1.0000
L42	37	Safety Line 3/8	43.00 - 48.00	1.0000	1.0000
L42	38	Climbing Rung	43.00 - 48.00	1.0000	1.0000
L42	43	CCI 6.5" x 1.25" Plate	43.00 - 48.00	1.0000	1.0000
L42	44	CCI 6.5" x 1.25" Plate	43.00 - 48.00	1.0000	1.0000
L42	45	CCI 6.5" x 1.25" Plate	43.00 - 48.00	1.0000	1.0000
L42	66	6" x 1" BS + 1.25" filler plate	43.00 - 45.25	1.0000	1.0000
L42	67	6" x 1" BS + 1.25" filler	43.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L42	68	plate 6" x 1" BS + 1.25" filler	45.25 43.00 -	1.0000	1.0000
L42	69	plate 6" x 1" BS + 1.25" filler	45.25 43.00 -	1.0000	1.0000
L42	70	plate 6" x 1" BS + 1.25" filler	45.25 43.00 -	1.0000	1.0000
L42	71	plate 6" x 1" BS + 1.25" filler	45.25 43.00 -	1.0000	1.0000
L43	1	HB114-21U3M12-XXXF(1-1/4")	45.25 40.00 - 43.00	1.0000	1.0000
L43	11	FDH1204-24SE2-70M(1-3/4)	40.00 - 43.00	1.0000	1.0000
L43	17	FB-L98B-002-100000(3/8")	40.00 - 43.00	1.0000	1.0000
L43	18	LDF7-50A(1-5/8)	40.00 - 43.00	1.0000	1.0000
L43	37	Safety Line 3/8	40.00 - 43.00	1.0000	1.0000
L43	38	Climbing Rung	40.00 - 43.00	1.0000	1.0000
L43	43	CCI 6.5" x 1.25" Plate	40.00 - 43.00	1.0000	1.0000
L43	44	CCI 6.5" x 1.25" Plate	40.00 - 43.00	1.0000	1.0000
L43	45	CCI 6.5" x 1.25" Plate	40.00 - 43.00	1.0000	1.0000
L43	66	6" x 1" BS + 1.25" filler	40.00 - 43.00	1.0000	1.0000
L43	67	plate 6" x 1" BS + 1.25" filler	40.00 - 43.00	1.0000	1.0000
L43	68	plate 6" x 1" BS + 1.25" filler	40.00 - 43.00	1.0000	1.0000
L43	69	plate 6" x 1" BS + 1.25" filler	40.00 - 43.00	1.0000	1.0000
L43	70	plate 6" x 1" BS + 1.25" filler	40.00 - 43.00	1.0000	1.0000
L43	71	plate 6" x 1" BS + 1.25" filler	40.00 - 43.00	1.0000	1.0000
L44	1	HB114-21U3M12-XXXF(1-1/4")	40.00 - 35.00 - 40.00	1.0000	1.0000
L44	11	FDH1204-24SE2-70M(1-3/4)	35.00 - 40.00	1.0000	1.0000
L44	17	FB-L98B-002-100000(3/8")	35.00 - 40.00	1.0000	1.0000
L44	18	LDF7-50A(1-5/8)	35.00 - 40.00	1.0000	1.0000
L44	37	Safety Line 3/8	35.00 - 40.00	1.0000	1.0000
L44	38	Climbing Rung	35.00 - 40.00	1.0000	1.0000
L44	40	8.5"x1.25" Plate	35.00 - 35.83	1.0000	1.0000
L44	41	8.5"x1.25" Plate	35.00 - 35.83	1.0000	1.0000
L44	42	8.5"x1.25" Plate	35.00 - 35.83	1.0000	1.0000
L44	43	CCI 6.5" x 1.25" Plate	35.00 - 40.00	1.0000	1.0000
L44	44	CCI 6.5" x 1.25" Plate	35.00 - 40.00	1.0000	1.0000
L44	45	CCI 6.5" x 1.25" Plate	35.00 - 40.00	1.0000	1.0000
L44	66	6" x 1" BS + 1.25" filler	35.25 - 40.00	1.0000	1.0000
L44	67	plate 6" x 1" BS + 1.25" filler	35.25 - 40.00	1.0000	1.0000
L44	68	plate 6" x 1" BS + 1.25" filler	35.25 - 40.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L44	69	6" x 1" BS + 1.25" filler plate	35.25 - 40.00	1.0000	1.0000
L44	70	6" x 1" BS + 1.25" filler plate	35.25 - 40.00	1.0000	1.0000
L44	71	6" x 1" BS + 1.25" filler plate	35.25 - 40.00	1.0000	1.0000
L45	1	HB114-21U3M12-XXXF(1-1/4")	32.08 - 35.00	1.0000	1.0000
L45	11	FDH1204-24SE2-70M(1-3/4)	32.08 - 35.00	1.0000	1.0000
L45	17	FB-L98B-002-100000(3/8")	32.08 - 35.00	1.0000	1.0000
L45	18	LDF7-50A(1-5/8)	32.08 - 35.00	1.0000	1.0000
L45	37	Safety Line 3/8	32.08 - 35.00	1.0000	1.0000
L45	38	Climbing Rung	32.08 - 35.00	1.0000	1.0000
L45	40	8.5"x1.25" Plate	32.08 - 35.00	1.0000	1.0000
L45	41	8.5"x1.25" Plate	32.08 - 35.00	1.0000	1.0000
L45	42	8.5"x1.25" Plate	32.08 - 35.00	1.0000	1.0000
L45	43	CCI 6.5" x 1.25" Plate	32.08 - 35.00	1.0000	1.0000
L45	44	CCI 6.5" x 1.25" Plate	32.08 - 35.00	1.0000	1.0000
L45	45	CCI 6.5" x 1.25" Plate	32.08 - 35.00	1.0000	1.0000
L46	1	HB114-21U3M12-XXXF(1-1/4")	31.83 - 32.08	1.0000	1.0000
L46	11	FDH1204-24SE2-70M(1-3/4)	31.83 - 32.08	1.0000	1.0000
L46	17	FB-L98B-002-100000(3/8")	31.83 - 32.08	1.0000	1.0000
L46	18	LDF7-50A(1-5/8)	31.83 - 32.08	1.0000	1.0000
L46	37	Safety Line 3/8	31.83 - 32.08	1.0000	1.0000
L46	38	Climbing Rung	31.83 - 32.08	1.0000	1.0000
L46	40	8.5"x1.25" Plate	31.83 - 32.08	1.0000	1.0000
L46	41	8.5"x1.25" Plate	31.83 - 32.08	1.0000	1.0000
L46	42	8.5"x1.25" Plate	31.83 - 32.08	1.0000	1.0000
L46	43	CCI 6.5" x 1.25" Plate	31.83 - 32.08	1.0000	1.0000
L46	44	CCI 6.5" x 1.25" Plate	31.83 - 32.08	1.0000	1.0000
L46	45	CCI 6.5" x 1.25" Plate	31.83 - 32.08	1.0000	1.0000
L47	1	HB114-21U3M12-XXXF(1-1/4")	28.75 - 31.83	1.0000	1.0000
L47	11	FDH1204-24SE2-70M(1-3/4)	28.75 - 31.83	1.0000	1.0000
L47	17	FB-L98B-002-100000(3/8")	28.75 - 31.83	1.0000	1.0000
L47	18	LDF7-50A(1-5/8)	28.75 - 31.83	1.0000	1.0000
L47	37	Safety Line 3/8	28.75 - 31.83	1.0000	1.0000
L47	38	Climbing Rung	28.75 - 31.83	1.0000	1.0000
L47	40	8.5"x1.25" Plate	28.75 - 31.83	1.0000	1.0000
L47	41	8.5"x1.25" Plate	28.75 - 31.83	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L47	42	8.5"x1.25" Plate	31.83 28.75 -	1.0000	1.0000
L47	43	CCI 6.5" x 1.25" Plate	31.83 28.75 -	1.0000	1.0000
L47	44	CCI 6.5" x 1.25" Plate	31.83 28.75 -	1.0000	1.0000
L47	45	CCI 6.5" x 1.25" Plate	31.83 28.75 -	1.0000	1.0000
L48	1	HB114-21U3M12-XXXF(1-1/4")	31.83 28.50 -	1.0000	1.0000
L48	11	FDH1204-24SE2-70M(1-3/4)	28.75 28.50 -	1.0000	1.0000
L48	17	FB-L98B-002-100000(3/8")	28.75 28.50 -	1.0000	1.0000
L48	18	LDF7-50A(1-5/8)	28.75 28.50 -	1.0000	1.0000
L48	37	Safety Line 3/8	28.75 28.50 -	1.0000	1.0000
L48	38	Climbing Rung	28.75 28.50 -	1.0000	1.0000
L48	40	8.5"x1.25" Plate	28.75 28.50 -	1.0000	1.0000
L48	41	8.5"x1.25" Plate	28.75 28.50 -	1.0000	1.0000
L48	42	8.5"x1.25" Plate	28.75 28.50 -	1.0000	1.0000
L48	43	CCI 6.5" x 1.25" Plate	28.75 28.50 -	1.0000	1.0000
L48	44	CCI 6.5" x 1.25" Plate	28.75 28.50 -	1.0000	1.0000
L48	45	CCI 6.5" x 1.25" Plate	28.75 28.50 -	1.0000	1.0000
L49	1	HB114-21U3M12-XXXF(1-1/4")	28.75 23.50 -	1.0000	1.0000
L49	11	FDH1204-24SE2-70M(1-3/4)	28.50 23.50 -	1.0000	1.0000
L49	17	FB-L98B-002-100000(3/8")	28.50 23.50 -	1.0000	1.0000
L49	18	LDF7-50A(1-5/8)	28.50 23.50 -	1.0000	1.0000
L49	37	Safety Line 3/8	28.50 23.50 -	1.0000	1.0000
L49	38	Climbing Rung	28.50 23.50 -	1.0000	1.0000
L49	40	8.5"x1.25" Plate	28.50 23.50 -	1.0000	1.0000
L49	41	8.5"x1.25" Plate	28.50 23.50 -	1.0000	1.0000
L49	42	8.5"x1.25" Plate	28.50 23.50 -	1.0000	1.0000
L49	43	CCI 6.5" x 1.25" Plate	28.50 26.00 -	1.0000	1.0000
L49	44	CCI 6.5" x 1.25" Plate	28.50 26.00 -	1.0000	1.0000
L49	45	CCI 6.5" x 1.25" Plate	28.50 26.00 -	1.0000	1.0000
L49	60	6.5" x 1.25" BS + 1" filler plate	28.50 23.50 -	1.0000	1.0000
L49	61	6.5" x 1.25" BS + 1" filler plate	25.00 23.50 -	1.0000	1.0000
L49	62	6.5" x 1.25" BS + 1" filler plate	25.00 23.50 -	1.0000	1.0000
L49	63	6.5" x 1.25" BS + 1" filler plate	25.00 23.50 -	1.0000	1.0000
L49	64	6.5" x 1.25" BS + 1" filler plate	25.00 23.50 -	1.0000	1.0000
L49	65	6.5" x 1.25" BS + 1" filler plate	25.00 23.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L50	1	HB114-21U3M12-XXXF(1-1/4")	18.50 - 23.50	1.0000	1.0000
L50	11	FDH1204-24SE2-70M(1-3/4)	18.50 - 23.50	1.0000	1.0000
L50	17	FB-L98B-002-100000(3/8")	18.50 - 23.50	1.0000	1.0000
L50	18	LDF7-50A(1-5/8)	18.50 - 23.50	1.0000	1.0000
L50	37	Safety Line 3/8	18.50 - 23.50	1.0000	1.0000
L50	38	Climbing Rung	18.50 - 23.50	1.0000	1.0000
L50	40	8.5"x1.25" Plate	18.50 - 23.50	1.0000	1.0000
L50	41	8.5"x1.25" Plate	18.50 - 23.50	1.0000	1.0000
L50	42	8.5"x1.25" Plate	18.50 - 23.50	1.0000	1.0000
L50	60	6.5" x 1.25" BS + 1" filler plate	18.50 - 23.50	1.0000	1.0000
L50	61	6.5" x 1.25" BS + 1" filler plate	18.50 - 23.50	1.0000	1.0000
L50	62	6.5" x 1.25" BS + 1" filler plate	18.50 - 23.50	1.0000	1.0000
L50	63	6.5" x 1.25" BS + 1" filler plate	18.50 - 23.50	1.0000	1.0000
L50	64	6.5" x 1.25" BS + 1" filler plate	18.50 - 23.50	1.0000	1.0000
L50	65	6.5" x 1.25" BS + 1" filler plate	18.50 - 23.50	1.0000	1.0000
L51	1	HB114-21U3M12-XXXF(1-1/4")	13.50 - 18.50	1.0000	1.0000
L51	11	FDH1204-24SE2-70M(1-3/4)	13.50 - 18.50	1.0000	1.0000
L51	17	FB-L98B-002-100000(3/8")	13.50 - 18.50	1.0000	1.0000
L51	18	LDF7-50A(1-5/8)	13.50 - 18.50	1.0000	1.0000
L51	37	Safety Line 3/8	13.50 - 18.50	1.0000	1.0000
L51	38	Climbing Rung	13.50 - 18.50	1.0000	1.0000
L51	40	8.5"x1.25" Plate	13.50 - 18.50	1.0000	1.0000
L51	41	8.5"x1.25" Plate	13.50 - 18.50	1.0000	1.0000
L51	42	8.5"x1.25" Plate	13.50 - 18.50	1.0000	1.0000
L51	60	6.5" x 1.25" BS + 1" filler plate	15.00 - 18.50	1.0000	1.0000
L51	61	6.5" x 1.25" BS + 1" filler plate	15.00 - 18.50	1.0000	1.0000
L51	62	6.5" x 1.25" BS + 1" filler plate	15.00 - 18.50	1.0000	1.0000
L51	63	6.5" x 1.25" BS + 1" filler plate	15.00 - 18.50	1.0000	1.0000
L51	64	6.5" x 1.25" BS + 1" filler plate	15.00 - 18.50	1.0000	1.0000
L51	65	6.5" x 1.25" BS + 1" filler plate	15.00 - 18.50	1.0000	1.0000
L52	1	HB114-21U3M12-XXXF(1-1/4")	8.50 - 13.50	1.0000	1.0000
L52	11	FDH1204-24SE2-70M(1-3/4)	8.50 - 13.50	1.0000	1.0000
L52	17	FB-L98B-002-100000(3/8")	8.50 - 13.50	1.0000	1.0000
L52	18	LDF7-50A(1-5/8)	8.50 - 13.50	1.0000	1.0000
L52	37	Safety Line 3/8	8.50 - 13.50	1.0000	1.0000
L52	38	Climbing Rung	10.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
			13.50		
L52	40	8.5"x1.25" Plate	8.50 - 13.50	1.0000	1.0000
L52	41	8.5"x1.25" Plate	8.50 - 13.50	1.0000	1.0000
L52	42	8.5"x1.25" Plate	8.50 - 13.50	1.0000	1.0000
L53	1	HB114-21U3M12-XXXF(1-1/4")	3.50 - 8.50	1.0000	1.0000
L53	11	FDH1204-24SE2-70M(1-3/4)	3.50 - 8.50	1.0000	1.0000
L53	17	FB-L98B-002-100000(3/8")	3.50 - 8.50	1.0000	1.0000
L53	18	LDF7-50A(1-5/8)	3.50 - 8.50	1.0000	1.0000
L53	37	Safety Line 3/8	3.50 - 8.50	1.0000	1.0000
L53	40	8.5"x1.25" Plate	3.50 - 8.50	1.0000	1.0000
L53	41	8.5"x1.25" Plate	3.50 - 8.50	1.0000	1.0000
L53	42	8.5"x1.25" Plate	3.50 - 8.50	1.0000	1.0000
L54	1	HB114-21U3M12-XXXF(1-1/4")	0.00 - 3.50	1.0000	1.0000
L54	11	FDH1204-24SE2-70M(1-3/4)	0.00 - 3.50	1.0000	1.0000
L54	17	FB-L98B-002-100000(3/8")	0.00 - 3.50	1.0000	1.0000
L54	18	LDF7-50A(1-5/8)	0.00 - 3.50	1.0000	1.0000
L54	37	Safety Line 3/8	0.00 - 3.50	1.0000	1.0000
L54	40	8.5"x1.25" Plate	0.00 - 3.50	1.0000	1.0000
L54	41	8.5"x1.25" Plate	0.00 - 3.50	1.0000	1.0000
L54	42	8.5"x1.25" Plate	0.00 - 3.50	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L16	52	CCI 6" x 1" Plate	112.67 - 114.67	Auto	1.0000
L16	53	CCI 6" x 1" Plate	112.67 - 114.67	Auto	1.0000
L16	54	CCI 6" x 1" Plate	112.67 - 114.67	Auto	1.0000
L17	52	CCI 6" x 1" Plate	112.42 - 112.67	Auto	1.0000
L17	53	CCI 6" x 1" Plate	112.42 - 112.67	Auto	1.0000
L17	54	CCI 6" x 1" Plate	112.42 - 112.67	Auto	1.0000
L18	52	CCI 6" x 1" Plate	107.42 - 112.42	Auto	1.0000
L18	53	CCI 6" x 1" Plate	107.42 - 112.42	Auto	1.0000
L18	54	CCI 6" x 1" Plate	107.42 - 112.42	Auto	1.0000
L19	49	CCI 6" x 1" Plate	103.33 - 105.33	Auto	1.0000
L19	50	CCI 6" x 1" Plate	103.33 - 105.33	Auto	1.0000
L19	51	CCI 6" x 1" Plate	103.33 - 105.33	Auto	1.0000
L19	52	CCI 6" x 1" Plate	103.33 - 107.42	Auto	1.0000
L19	53	CCI 6" x 1" Plate	103.33 - 107.42	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L19	54	CCI 6" x 1" Plate	103.33 - 107.42	Auto	1.0000
L20	49	CCI 6" x 1" Plate	103.08 - 103.33	Auto	1.0000
L20	50	CCI 6" x 1" Plate	103.08 - 103.33	Auto	1.0000
L20	51	CCI 6" x 1" Plate	103.08 - 103.33	Auto	1.0000
L20	52	CCI 6" x 1" Plate	103.08 - 103.33	Auto	1.0000
L20	53	CCI 6" x 1" Plate	103.08 - 103.33	Auto	1.0000
L20	54	CCI 6" x 1" Plate	103.08 - 103.33	Auto	1.0000
L21	49	CCI 6" x 1" Plate	100.00 - 103.08	Auto	1.0000
L21	50	CCI 6" x 1" Plate	100.00 - 103.08	Auto	1.0000
L21	51	CCI 6" x 1" Plate	100.00 - 103.08	Auto	1.0000
L21	52	CCI 6" x 1" Plate	101.33 - 103.08	Auto	1.0000
L21	53	CCI 6" x 1" Plate	101.33 - 103.08	Auto	1.0000
L21	54	CCI 6" x 1" Plate	101.33 - 103.08	Auto	1.0000
L22	49	CCI 6" x 1" Plate	95.00 - 100.00	Auto	1.0000
L22	50	CCI 6" x 1" Plate	95.00 - 100.00	Auto	1.0000
L22	51	CCI 6" x 1" Plate	95.00 - 100.00	Auto	1.0000
L23	49	CCI 6" x 1" Plate	90.00 - 95.00	Auto	1.0000
L23	50	CCI 6" x 1" Plate	90.00 - 95.00	Auto	1.0000
L23	51	CCI 6" x 1" Plate	90.00 - 95.00	Auto	1.0000
L23	56	CCI 4.5" x 1" Plate	90.00 - 91.00	Auto	1.0000
L23	57	CCI 4.5" x 1" Plate	90.00 - 91.00	Auto	1.0000
L23	58	CCI 4.5" x 1" Plate	90.00 - 91.00	Auto	1.0000
L24	49	CCI 6" x 1" Plate	89.50 - 90.00	Auto	1.0000
L24	50	CCI 6" x 1" Plate	89.50 - 90.00	Auto	1.0000
L24	51	CCI 6" x 1" Plate	89.50 - 90.00	Auto	1.0000
L24	56	CCI 4.5" x 1" Plate	89.50 - 90.00	Auto	1.0000
L24	57	CCI 4.5" x 1" Plate	89.50 - 90.00	Auto	1.0000
L24	58	CCI 4.5" x 1" Plate	89.50 - 90.00	Auto	1.0000
L25	49	CCI 6" x 1" Plate	89.25 - 89.50	Auto	1.0000
L25	50	CCI 6" x 1" Plate	89.25 - 89.50	Auto	1.0000
L25	51	CCI 6" x 1" Plate	89.25 - 89.50	Auto	1.0000
L25	56	CCI 4.5" x 1" Plate	89.25 - 89.50	Auto	1.0000
L25	57	CCI 4.5" x 1" Plate	89.25 - 89.50	Auto	1.0000
L25	58	CCI 4.5" x 1" Plate	89.25 - 89.50	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L26	46	CCI 4.5" x 1" Plate	85.50 - 87.00	Auto	1.0000
L26	47	CCI 4.5" x 1" Plate	85.50 - 87.00	Auto	1.0000
L26	48	CCI 4.5" x 1" Plate	85.50 - 87.00	Auto	1.0000
L26	49	CCI 6" x 1" Plate	85.50 - 89.25	Auto	1.0000
L26	50	CCI 6" x 1" Plate	85.50 - 89.25	Auto	1.0000
L26	51	CCI 6" x 1" Plate	85.50 - 89.25	Auto	1.0000
L26	56	CCI 4.5" x 1" Plate	85.50 - 89.25	Auto	1.0000
L26	57	CCI 4.5" x 1" Plate	85.50 - 89.25	Auto	1.0000
L26	58	CCI 4.5" x 1" Plate	85.50 - 89.25	Auto	1.0000
L26	75	4.5" x 1" BS + 1" filler plate	85.50 - 85.75	Auto	1.0000
L26	76	4.5" x 1" BS + 1" filler plate	85.50 - 85.75	Auto	1.0000
L26	77	4.5" x 1" BS + 1" filler plate	85.50 - 85.75	Auto	1.0000
L27	46	CCI 4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	47	CCI 4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	48	CCI 4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	49	CCI 6" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	50	CCI 6" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	51	CCI 6" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	56	CCI 4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	57	CCI 4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	58	CCI 4.5" x 1" Plate	85.25 - 85.50	Auto	1.0000
L27	75	4.5" x 1" BS + 1" filler plate	85.25 - 85.50	Auto	1.0000
L27	76	4.5" x 1" BS + 1" filler plate	85.25 - 85.50	Auto	1.0000
L27	77	4.5" x 1" BS + 1" filler plate	85.25 - 85.50	Auto	1.0000
L28	46	CCI 4.5" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	47	CCI 4.5" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	48	CCI 4.5" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	49	CCI 6" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	50	CCI 6" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	51	CCI 6" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	56	CCI 4.5" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	57	CCI 4.5" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	58	CCI 4.5" x 1" Plate	84.00 - 85.25	Auto	1.0000
L28	75	4.5" x 1" BS + 1" filler plate	84.00 - 85.25	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L28	76	4.5" x 1" BS + 1" filler plate	84.00 - 85.25	Auto	1.0000
L28	77	4.5" x 1" BS + 1" filler plate	84.00 - 85.25	Auto	1.0000
L29	46	CCI 4.5" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	47	CCI 4.5" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	48	CCI 4.5" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	49	CCI 6" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	50	CCI 6" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	51	CCI 6" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	56	CCI 4.5" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	57	CCI 4.5" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	58	CCI 4.5" x 1" Plate	83.75 - 84.00	Auto	1.0000
L29	75	4.5" x 1" BS + 1" filler plate	83.75 - 84.00	Auto	1.0000
L29	76	4.5" x 1" BS + 1" filler plate	83.75 - 84.00	Auto	1.0000
L29	77	4.5" x 1" BS + 1" filler plate	83.75 - 84.00	Auto	1.0000
L30	46	CCI 4.5" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	47	CCI 4.5" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	48	CCI 4.5" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	49	CCI 6" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	50	CCI 6" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	51	CCI 6" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	56	CCI 4.5" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	57	CCI 4.5" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	58	CCI 4.5" x 1" Plate	82.50 - 83.75	Auto	1.0000
L30	75	4.5" x 1" BS + 1" filler plate	82.50 - 83.75	Auto	1.0000
L30	76	4.5" x 1" BS + 1" filler plate	82.50 - 83.75	Auto	1.0000
L30	77	4.5" x 1" BS + 1" filler plate	82.50 - 83.75	Auto	1.0000
L31	46	CCI 4.5" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	47	CCI 4.5" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	48	CCI 4.5" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	49	CCI 6" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	50	CCI 6" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	51	CCI 6" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	56	CCI 4.5" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	57	CCI 4.5" x 1" Plate	82.25 - 82.50	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L31	58	CCI 4.5" x 1" Plate	82.25 - 82.50	Auto	1.0000
L31	75	4.5" x 1" BS + 1" filler plate	82.25 - 82.50	Auto	1.0000
L31	76	4.5" x 1" BS + 1" filler plate	82.25 - 82.50	Auto	1.0000
L31	77	4.5" x 1" BS + 1" filler plate	82.25 - 82.50	Auto	1.0000
L32	46	CCI 4.5" x 1" Plate	80.00 - 82.25	Auto	1.0000
L32	47	CCI 4.5" x 1" Plate	80.00 - 82.25	Auto	1.0000
L32	48	CCI 4.5" x 1" Plate	80.00 - 82.25	Auto	1.0000
L32	49	CCI 6" x 1" Plate	82.00 - 82.25	Auto	1.0000
L32	50	CCI 6" x 1" Plate	82.00 - 82.25	Auto	1.0000
L32	51	CCI 6" x 1" Plate	82.00 - 82.25	Auto	1.0000
L32	56	CCI 4.5" x 1" Plate	81.00 - 82.25	Auto	1.0000
L32	57	CCI 4.5" x 1" Plate	81.00 - 82.25	Auto	1.0000
L32	58	CCI 4.5" x 1" Plate	81.00 - 82.25	Auto	1.0000
L32	75	4.5" x 1" BS + 1" filler plate	80.00 - 82.25	Auto	1.0000
L32	76	4.5" x 1" BS + 1" filler plate	80.00 - 82.25	Auto	1.0000
L32	77	4.5" x 1" BS + 1" filler plate	80.00 - 82.25	Auto	1.0000
L33	46	CCI 4.5" x 1" Plate	75.00 - 80.00	Auto	1.0000
L33	47	CCI 4.5" x 1" Plate	75.00 - 80.00	Auto	1.0000
L33	48	CCI 4.5" x 1" Plate	75.00 - 80.00	Auto	1.0000
L33	75	4.5" x 1" BS + 1" filler plate	75.75 - 80.00	Auto	1.0000
L33	76	4.5" x 1" BS + 1" filler plate	75.75 - 80.00	Auto	1.0000
L33	77	4.5" x 1" BS + 1" filler plate	75.75 - 80.00	Auto	1.0000
L34	46	CCI 4.5" x 1" Plate	70.00 - 75.00	Auto	1.0000
L34	47	CCI 4.5" x 1" Plate	70.00 - 75.00	Auto	1.0000
L34	48	CCI 4.5" x 1" Plate	70.00 - 75.00	Auto	1.0000
L35	46	CCI 4.5" x 1" Plate	65.00 - 70.00	Auto	1.0000
L35	47	CCI 4.5" x 1" Plate	65.00 - 70.00	Auto	1.0000
L35	48	CCI 4.5" x 1" Plate	65.00 - 70.00	Auto	1.0000
L35	72	6.5" x 1.25" BS + 1" filler plate	65.00 - 65.50	Auto	1.0000
L35	73	6.5" x 1.25" BS + 1" filler plate	65.00 - 65.50	Auto	1.0000
L35	74	6.5" x 1.25" BS + 1" filler plate	65.00 - 65.50	Auto	1.0000
L36	46	CCI 4.5" x 1" Plate	60.00 - 65.00	Auto	1.0000
L36	47	CCI 4.5" x 1" Plate	60.00 - 65.00	Auto	1.0000
L36	48	CCI 4.5" x 1" Plate	60.00 - 65.00	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L36	72	6.5" x 1.25" BS + 1" filler plate	60.00 - 65.00	Auto	1.0000
L36	73	6.5" x 1.25" BS + 1" filler plate	60.00 - 65.00	Auto	1.0000
L36	74	6.5" x 1.25" BS + 1" filler plate	60.00 - 65.00	Auto	1.0000
L37	46	CCI 4.5" x 1" Plate	58.50 - 60.00	Auto	1.0000
L37	47	CCI 4.5" x 1" Plate	58.50 - 60.00	Auto	1.0000
L37	48	CCI 4.5" x 1" Plate	58.50 - 60.00	Auto	1.0000
L37	72	6.5" x 1.25" BS + 1" filler plate	58.50 - 60.00	Auto	1.0000
L37	73	6.5" x 1.25" BS + 1" filler plate	58.50 - 60.00	Auto	1.0000
L37	74	6.5" x 1.25" BS + 1" filler plate	58.50 - 60.00	Auto	1.0000
L38	46	CCI 4.5" x 1" Plate	58.25 - 58.50	Auto	1.0000
L38	47	CCI 4.5" x 1" Plate	58.25 - 58.50	Auto	1.0000
L38	48	CCI 4.5" x 1" Plate	58.25 - 58.50	Auto	1.0000
L38	72	6.5" x 1.25" BS + 1" filler plate	58.25 - 58.50	Auto	1.0000
L38	73	6.5" x 1.25" BS + 1" filler plate	58.25 - 58.50	Auto	1.0000
L38	74	6.5" x 1.25" BS + 1" filler plate	58.25 - 58.50	Auto	1.0000
L39	46	CCI 4.5" x 1" Plate	57.00 - 58.25	Auto	1.0000
L39	47	CCI 4.5" x 1" Plate	57.00 - 58.25	Auto	1.0000
L39	48	CCI 4.5" x 1" Plate	57.00 - 58.25	Auto	1.0000
L39	72	6.5" x 1.25" BS + 1" filler plate	55.50 - 58.25	Auto	1.0000
L39	73	6.5" x 1.25" BS + 1" filler plate	55.50 - 58.25	Auto	1.0000
L39	74	6.5" x 1.25" BS + 1" filler plate	55.50 - 58.25	Auto	1.0000
L40	43	CCI 6.5" x 1.25" Plate	48.25 - 51.00	Auto	1.0000
L40	44	CCI 6.5" x 1.25" Plate	48.25 - 51.00	Auto	1.0000
L40	45	CCI 6.5" x 1.25" Plate	48.25 - 51.00	Auto	1.0000
L41	43	CCI 6.5" x 1.25" Plate	48.00 - 48.25	Auto	1.0000
L41	44	CCI 6.5" x 1.25" Plate	48.00 - 48.25	Auto	1.0000
L41	45	CCI 6.5" x 1.25" Plate	48.00 - 48.25	Auto	1.0000
L42	43	CCI 6.5" x 1.25" Plate	43.00 - 48.00	Auto	1.0000
L42	44	CCI 6.5" x 1.25" Plate	43.00 - 48.00	Auto	1.0000
L42	45	CCI 6.5" x 1.25" Plate	43.00 - 48.00	Auto	1.0000
L42	66	6" x 1" BS + 1.25" filler plate	43.00 - 45.25	Auto	1.0000
L42	67	6" x 1" BS + 1.25" filler plate	43.00 - 45.25	Auto	1.0000
L42	68	6" x 1" BS + 1.25" filler plate	43.00 - 45.25	Auto	1.0000
L42	69	6" x 1" BS + 1.25" filler plate	43.00 - 45.25	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L42	70	6" x 1" BS + 1.25" filler plate	43.00 - 45.25	Auto	1.0000
L42	71	6" x 1" BS + 1.25" filler plate	43.00 - 45.25	Auto	1.0000
L43	43	CCI 6.5" x 1.25" Plate	40.00 - 43.00	Auto	1.0000
L43	44	CCI 6.5" x 1.25" Plate	40.00 - 43.00	Auto	1.0000
L43	45	CCI 6.5" x 1.25" Plate	40.00 - 43.00	Auto	1.0000
L43	66	6" x 1" BS + 1.25" filler plate	40.00 - 43.00	Auto	1.0000
L43	67	6" x 1" BS + 1.25" filler plate	40.00 - 43.00	Auto	1.0000
L43	68	6" x 1" BS + 1.25" filler plate	40.00 - 43.00	Auto	1.0000
L43	69	6" x 1" BS + 1.25" filler plate	40.00 - 43.00	Auto	1.0000
L43	70	6" x 1" BS + 1.25" filler plate	40.00 - 43.00	Auto	1.0000
L43	71	6" x 1" BS + 1.25" filler plate	40.00 - 43.00	Auto	1.0000
L44	40	8.5"x1.25" Plate	35.00 - 35.83	Auto	1.0000
L44	41	8.5"x1.25" Plate	35.00 - 35.83	Auto	1.0000
L44	42	8.5"x1.25" Plate	35.00 - 35.83	Auto	1.0000
L44	43	CCI 6.5" x 1.25" Plate	35.00 - 40.00	Auto	1.0000
L44	44	CCI 6.5" x 1.25" Plate	35.00 - 40.00	Auto	1.0000
L44	45	CCI 6.5" x 1.25" Plate	35.00 - 40.00	Auto	1.0000
L44	66	6" x 1" BS + 1.25" filler plate	35.25 - 40.00	Auto	1.0000
L44	67	6" x 1" BS + 1.25" filler plate	35.25 - 40.00	Auto	1.0000
L44	68	6" x 1" BS + 1.25" filler plate	35.25 - 40.00	Auto	1.0000
L44	69	6" x 1" BS + 1.25" filler plate	35.25 - 40.00	Auto	1.0000
L44	70	6" x 1" BS + 1.25" filler plate	35.25 - 40.00	Auto	1.0000
L44	71	6" x 1" BS + 1.25" filler plate	35.25 - 40.00	Auto	1.0000
L45	40	8.5"x1.25" Plate	32.08 - 35.00	Auto	1.0000
L45	41	8.5"x1.25" Plate	32.08 - 35.00	Auto	1.0000
L45	42	8.5"x1.25" Plate	32.08 - 35.00	Auto	1.0000
L45	43	CCI 6.5" x 1.25" Plate	32.08 - 35.00	Auto	1.0000
L45	44	CCI 6.5" x 1.25" Plate	32.08 - 35.00	Auto	1.0000
L45	45	CCI 6.5" x 1.25" Plate	32.08 - 35.00	Auto	1.0000
L46	40	8.5"x1.25" Plate	31.83 - 32.08	Auto	1.0000
L46	41	8.5"x1.25" Plate	31.83 - 32.08	Auto	1.0000
L46	42	8.5"x1.25" Plate	31.83 - 32.08	Auto	1.0000
L46	43	CCI 6.5" x 1.25" Plate	31.83 - 32.08	Auto	1.0000
L46	44	CCI 6.5" x 1.25" Plate	31.83 - 32.08	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L46	45	CCI 6.5" x 1.25" Plate	31.83 - 32.08	Auto	1.0000
L47	40	8.5"x1.25" Plate	28.75 - 31.83	Auto	1.0000
L47	41	8.5"x1.25" Plate	28.75 - 31.83	Auto	1.0000
L47	42	8.5"x1.25" Plate	28.75 - 31.83	Auto	1.0000
L47	43	CCI 6.5" x 1.25" Plate	28.75 - 31.83	Auto	1.0000
L47	44	CCI 6.5" x 1.25" Plate	28.75 - 31.83	Auto	1.0000
L47	45	CCI 6.5" x 1.25" Plate	28.75 - 31.83	Auto	1.0000
L48	40	8.5"x1.25" Plate	28.50 - 28.75	Auto	1.0000
L48	41	8.5"x1.25" Plate	28.50 - 28.75	Auto	1.0000
L48	42	8.5"x1.25" Plate	28.50 - 28.75	Auto	1.0000
L48	43	CCI 6.5" x 1.25" Plate	28.50 - 28.75	Auto	1.0000
L48	44	CCI 6.5" x 1.25" Plate	28.50 - 28.75	Auto	1.0000
L48	45	CCI 6.5" x 1.25" Plate	28.50 - 28.75	Auto	1.0000
L49	40	8.5"x1.25" Plate	23.50 - 28.50	Auto	1.0000
L49	41	8.5"x1.25" Plate	23.50 - 28.50	Auto	1.0000
L49	42	8.5"x1.25" Plate	23.50 - 28.50	Auto	1.0000
L49	43	CCI 6.5" x 1.25" Plate	26.00 - 28.50	Auto	1.0000
L49	44	CCI 6.5" x 1.25" Plate	26.00 - 28.50	Auto	1.0000
L49	45	CCI 6.5" x 1.25" Plate	26.00 - 28.50	Auto	1.0000
L49	60	6.5" x 1.25" BS + 1" filler plate	23.50 - 25.00	Auto	1.0000
L49	61	6.5" x 1.25" BS + 1" filler plate	23.50 - 25.00	Auto	1.0000
L49	62	6.5" x 1.25" BS + 1" filler plate	23.50 - 25.00	Auto	1.0000
L49	63	6.5" x 1.25" BS + 1" filler plate	23.50 - 25.00	Auto	1.0000
L49	64	6.5" x 1.25" BS + 1" filler plate	23.50 - 25.00	Auto	1.0000
L49	65	6.5" x 1.25" BS + 1" filler plate	23.50 - 25.00	Auto	1.0000
L50	40	8.5"x1.25" Plate	18.50 - 23.50	Auto	1.0000
L50	41	8.5"x1.25" Plate	18.50 - 23.50	Auto	1.0000
L50	42	8.5"x1.25" Plate	18.50 - 23.50	Auto	1.0000
L50	60	6.5" x 1.25" BS + 1" filler plate	18.50 - 23.50	Auto	1.0000
L50	61	6.5" x 1.25" BS + 1" filler plate	18.50 - 23.50	Auto	1.0000
L50	62	6.5" x 1.25" BS + 1" filler plate	18.50 - 23.50	Auto	1.0000
L50	63	6.5" x 1.25" BS + 1" filler plate	18.50 - 23.50	Auto	1.0000
L50	64	6.5" x 1.25" BS + 1" filler plate	18.50 - 23.50	Auto	1.0000
L50	65	6.5" x 1.25" BS + 1" filler plate	18.50 - 23.50	Auto	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L51	40	8.5"x1.25" Plate	13.50 - 18.50	Auto	1.0000
L51	41	8.5"x1.25" Plate	13.50 - 18.50	Auto	1.0000
L51	42	8.5"x1.25" Plate	13.50 - 18.50	Auto	1.0000
L51	60	6.5" x 1.25" BS + 1" filler plate	15.00 - 18.50	Auto	1.0000
L51	61	6.5" x 1.25" BS + 1" filler plate	15.00 - 18.50	Auto	1.0000
L51	62	6.5" x 1.25" BS + 1" filler plate	15.00 - 18.50	Auto	1.0000
L51	63	6.5" x 1.25" BS + 1" filler plate	15.00 - 18.50	Auto	1.0000
L51	64	6.5" x 1.25" BS + 1" filler plate	15.00 - 18.50	Auto	1.0000
L51	65	6.5" x 1.25" BS + 1" filler plate	15.00 - 18.50	Auto	1.0000
L52	40	8.5"x1.25" Plate	8.50 - 13.50	Auto	1.0000
L52	41	8.5"x1.25" Plate	8.50 - 13.50	Auto	1.0000
L52	42	8.5"x1.25" Plate	8.50 - 13.50	Auto	1.0000
L53	40	8.5"x1.25" Plate	3.50 - 8.50	Auto	1.0000
L53	41	8.5"x1.25" Plate	3.50 - 8.50	Auto	1.0000
L53	42	8.5"x1.25" Plate	3.50 - 8.50	Auto	1.0000
L54	40	8.5"x1.25" Plate	0.00 - 3.50	Auto	1.0000
L54	41	8.5"x1.25" Plate	0.00 - 3.50	Auto	1.0000
L54	42	8.5"x1.25" Plate	0.00 - 3.50	Auto	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
TOWN					
PD201-7	A	From Leg	4.000 0.000 5.000	0.000	188.000
SPRINT					
APXVSPP18-C-A20 w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	188.000
APXVSPP18-C-A20 w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	188.000
APXVSPP18-C-A20 w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	188.000
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	4.000 0.000 2.000	0.000	188.000
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	4.000 0.000 2.000	0.000	188.000
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Leg	4.000 0.000 2.000	0.000	188.000
TD-RRH8x20-25	A	From Leg	4.000	0.000	188.000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
			0.000		
TD-RRH8x20-25	B	From Leg	2.000		
			4.000	0.000	188.000
			0.000		
TD-RRH8x20-25	C	From Leg	2.000		
			4.000	0.000	188.000
			0.000		
6' x 2" Mount Pipe	A	From Leg	2.000		
			4.000	0.000	188.000
			0.000		
6' x 2" Mount Pipe	B	From Leg	0.000		
			4.000	0.000	188.000
			0.000		
6' x 2" Mount Pipe	C	From Leg	0.000		
			4.000	0.000	188.000
			0.000		
Platform Mount [LP 403-1] *	C	None	0.000	0.000	188.000
1900MHz RRH	A	From Leg	1.000	0.000	185.000
			0.000		
1900MHz RRH	B	From Leg	3.000		
			1.000	0.000	185.000
			0.000		
1900MHz RRH	C	From Leg	3.000		
			1.000	0.000	185.000
			0.000		
800MHZ RRH	A	From Leg	3.000		
			1.000	0.000	185.000
			0.000		
800MHZ RRH	B	From Leg	3.000		
			1.000	0.000	185.000
			0.000		
800MHZ RRH	C	From Leg	3.000		
			1.000	0.000	185.000
			0.000		
4' x 2" Pipe Mount	A	From Leg	3.000		
			0.500	0.000	185.000
			0.000		
4' x 2" Pipe Mount	B	From Leg	0.000		
			0.500	0.000	185.000
			0.000		
4' x 2" Pipe Mount	C	From Leg	0.000		
			0.500	0.000	185.000
			0.000		
Side Arm Mount [SO 102-3] *	C	None	0.000	0.000	185.000
3' x 2" Pipe Mount	C	From Leg	3.000	0.000	184.000
			0.000		
Side Arm Mount [SO 701-1] *	C	From Leg	0.000		
			1.500	0.000	184.000
			0.000		
			0.000		
458-2D	B	From Leg	5.000	0.000	179.000
			0.000		
			6.000		
458-2D	C	From Leg	5.000	0.000	179.000
			0.000		
			6.000		
(4) 6' x 2" Mount Pipe	A	From Leg	4.000	0.000	179.000
			0.000		
			0.000		
(4) 6' x 2" Mount Pipe	B	From Leg	4.000	0.000	179.000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
			0.000		
(4) 6' x 2" Mount Pipe	C	From Leg	0.000		
			4.000	0.000	179.000
			0.000		
			0.000		
Side Arm Mount [SO 301-1]	B	From Leg	4.000	0.000	179.000
			0.000		
			0.000		
Side Arm Mount [SO 301-1]	C	From Leg	4.000	0.000	179.000
			0.000		
			0.000		
Platform Mount [LP 403-1]	C	None		0.000	179.000
*					
WESTON					
PD201-7	A	From Leg	4.000	0.000	172.000
			0.000		
			2.000		
*					
T MOBILE					
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.000	0.000	172.000
			0.000		
			0.000		
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.000	0.000	172.000
			0.000		
			0.000		
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.000	0.000	172.000
			0.000		
			0.000		
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	A	From Leg	4.000	0.000	172.000
			0.000		
			0.000		
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	B	From Leg	4.000	0.000	172.000
			0.000		
			0.000		
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	C	From Leg	4.000	0.000	172.000
			0.000		
			0.000		
AIR 32 B2A B66AA_T-MOBILE w/ Mount Pipe	A	From Leg	4.000	0.000	172.000
			0.000		
			0.000		
AIR 32 B2A B66AA_T-MOBILE w/ Mount Pipe	B	From Leg	4.000	0.000	172.000
			0.000		
			0.000		
AIR 32 B2A B66AA_T-MOBILE w/ Mount Pipe	C	From Leg	4.000	0.000	172.000
			0.000		
			0.000		
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.000	0.000	172.000
			0.000		
			-2.000		
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.000	0.000	172.000
			0.000		
			-2.000		
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.000	0.000	172.000
			0.000		
			-2.000		
RADIO 4415 B25_TMO	A	From Leg	4.000	90.000	172.000
			0.000		
			-2.000		
RADIO 4415 B25_TMO	B	From Leg	4.000	90.000	172.000
			0.000		
			-2.000		
RADIO 4415 B25_TMO	C	From Leg	4.000	90.000	172.000
			0.000		
			-2.000		
SDX1926Q-43	A	From Leg	4.000	0.000	172.000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
			0.000		
SDX1926Q-43	B	From Leg	-2.000	0.000	172.000
			4.000		
			0.000		
SDX1926Q-43	C	From Leg	-2.000	0.000	172.000
			4.000		
			0.000		
Platform Mount [LP 405-1_HR-1] *	C	None	-2.000	0.000	172.000
DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
DMP65R-BU6D w/ Mount Pipe	B	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
DMP65R-BU6D w/ Mount Pipe	C	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
DC6-48-60-18-8C	A	From Leg	1.000	0.000	160.000
			0.000		
			3.000		
DC6-48-60-18-8C	B	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
RRUS 4449 B5/B12	A	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
RRUS 4449 B5/B12	B	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
RRUS 4449 B5/B12	C	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
RRUS 32 B30	A	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
RRUS 32 B30	B	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
RRUS 32 B30	C	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
RRUS 4478 B14	A	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
RRUS 4478 B14	B	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
RRUS 4478 B14	C	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
RRUS 32 B66A	A	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
RRUS 32 B66A	B	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
RRUS 32 B66A	C	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
RRUS 32 B2	A	From Leg	4.000	0.000	160.000
			0.000		
			3.000		
RRUS 32 B2	B	From Leg	4.000	0.000	160.000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
			0.000		
RRUS 32 B2	C	From Leg	3.000		
			4.000	0.000	160.000
			0.000		
AIR 6419 B77G_CCIV3 w/ Mount Pipe	A	From Leg	3.000		
			4.000	0.000	160.000
			0.000		
AIR 6419 B77G_CCIV3 w/ Mount Pipe	B	From Leg	2.000		
			4.000	0.000	160.000
			0.000		
AIR 6419 B77G_CCIV3 w/ Mount Pipe	C	From Leg	2.000		
			4.000	0.000	160.000
			0.000		
AIR 6449 B77D_CCVI2 w/ Mount Pipe	A	From Leg	2.000		
			4.000	0.000	160.000
			0.000		
AIR 6449 B77D_CCVI2 w/ Mount Pipe	B	From Leg	-2.000		
			4.000	0.000	160.000
			0.000		
AIR 6449 B77D_CCVI2 w/ Mount Pipe	C	From Leg	-2.000		
			4.000	0.000	160.000
			0.000		
QD6616-7 w/ Mount Pipe	A	From Leg	-2.000		
			4.000	0.000	160.000
			0.000		
QD6616-7 w/ Mount Pipe	B	From Leg	3.000		
			4.000	0.000	160.000
			0.000		
QD6616-7 w/ Mount Pipe	C	From Leg	3.000		
			4.000	0.000	160.000
			0.000		
DC9-48-60-24-8C-EV_CCIV2	A	From Leg	3.000		
			4.000	0.000	160.000
			0.000		
(2) 4' x 2" Pipe Mount	A	From Leg	3.000		
			2.000	0.000	160.000
			0.000		
(2) 4' x 2" Pipe Mount	B	From Leg	0.000		
			2.000	0.000	160.000
			0.000		
(2) 4' x 2" Pipe Mount	C	From Leg	0.000		
			2.000	0.000	160.000
			0.000		
8' x 2.375" Mount Pipe	A	From Leg	0.000		
			6.000	0.000	160.000
			0.000		
8' x 2.375" Mount Pipe	B	From Leg	0.000		
			6.000	0.000	160.000
			0.000		
8' x 2.375" Mount Pipe	C	From Leg	0.000		
			6.000	0.000	160.000
			0.000		
Side Arm Mount [SO 202-1]	A	From Leg	0.000		
			4.000	0.000	160.000
			0.000		
Side Arm Mount [SO 202-1]	B	From Leg	0.000		
			4.000	0.000	160.000
			0.000		
Side Arm Mount [SO 202-1]	C	From Leg	0.000		
			4.000	0.000	160.000
			0.000		
(2) L 2.5x2.5x3/16x4' Kicker	A	From Leg	0.000		
			2.000	0.000	160.000
			0.000		
			0.000		

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
(2) L 2.5x2.5x3/16x4' Kicker	B	From Leg	2.000 0.000 0.000	0.000	160.000
(2) L 2.5x2.5x3/16x4' Kicker	C	From Leg	2.000 0.000 0.000	0.000	160.000
Platform Mount [LP 404-1] *	C	None		0.000	160.000
(4) MX06FRO640-02 w/ Mount Pipe	A	From Leg	4.000 0.000 3.000	0.000	150.000
(4) MX06FRO640-02 w/ Mount Pipe	B	From Leg	4.000 0.000 3.000	0.000	150.000
(4) MX06FRO640-02 w/ Mount Pipe	C	From Leg	4.000 0.000 3.000	0.000	150.000
CBRS w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	150.000
CBRS w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	150.000
CBRS w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	150.000
MT6407-77A w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	150.000
MT6407-77A w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	150.000
MT6407-77A w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	150.000
TD-850B-LTE78-43	A	From Leg	4.000 0.000 3.000	0.000	150.000
TD-850B-LTE78-43	B	From Leg	4.000 0.000 3.000	0.000	150.000
TD-850B-LTE78-43	C	From Leg	4.000 0.000 3.000	0.000	150.000
(5) BSF0020F3V1	A	From Leg	4.000 0.000 3.000	0.000	150.000
(2) BSF0020F3V1	B	From Leg	4.000 0.000 3.000	0.000	150.000
BSF0020F3V1	C	From Leg	4.000 0.000 3.000	0.000	150.000
RVZDC-6627-PF-48	A	From Leg	4.000 0.000 2.000	0.000	150.000
RVZDC-6627-PF-48	B	From Leg	4.000 0.000 2.000	0.000	150.000
(2) RFV01U-D2A	A	From Leg	4.000 0.000 2.000	0.000	150.000
(2) RFV01U-D2A	B	From Leg	4.000 0.000 2.000	0.000	150.000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
(2) RFV01U-D2A	C	From Leg	4.000 0.000 2.000	0.000	150.000
(2) RFV01U-D1A	A	From Leg	4.000 0.000 2.000	0.000	150.000
(2) RFV01U-D1A	B	From Leg	4.000 0.000 2.000	0.000	150.000
(2) RFV01U-D1A	C	From Leg	4.000 0.000 2.000	0.000	150.000
13.75' round member platform with handrails, kickers, and additional horizontal. MP not included *	C	None		0.000	150.000
PD128-1	A	From Leg	3.000 0.000 5.000	0.000	125.000
PD201-1	B	From Leg	3.000 0.000 5.000	0.000	125.000
Side Arm Mount [SO 701-1]	A	From Leg	1.500 0.000 0.000	0.000	125.000
Side Arm Mount [SO 701-1]	B	From Leg	1.500 0.000 0.000	0.000	125.000
*					
PD128-1	B	From Leg	3.000 0.000 5.000	0.000	110.000
PD128-1	C	From Leg	3.000 0.000 5.000	0.000	110.000
Side Arm Mount [SO 701-1]	B	From Leg	1.500 0.000 0.000	0.000	110.000
Side Arm Mount [SO 701-1]	C	From Leg	1.500 0.000 0.000	0.000	110.000
*					
GPS_A	C	From Leg	3.000 0.000 1.000	0.000	100.000
Side Arm Mount [SO 702-1]	C	From Leg	1.500 0.000 0.000	0.000	100.000
*					
PD128-1	A	From Leg	3.000 0.000 5.000	0.000	95.000
PD128-1	B	From Leg	3.000 0.000 5.000	0.000	95.000
Side Arm Mount [SO 701-1]	A	From Leg	1.500 0.000 0.000	0.000	95.000
Side Arm Mount [SO 701-1]	B	From Leg	1.500 0.000 0.000	0.000	95.000
*					
DB222	A	From Leg	3.000 0.000 5.000	0.000	80.000

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
PD128-1	B	From Leg	3.000 0.000 5.000	0.000	80.000
Side Arm Mount [SO 701-1]	A	From Leg	1.500 0.000 0.000	0.000	80.000
Side Arm Mount [SO 701-1]	B	From Leg	1.500 0.000 0.000	0.000	80.000
**					

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft
SP2-5.8	A	Paraboloid w/Radome	From Leg	4.000 0.000 -1.000	15.000		188.000	2.000
*								

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
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

Comb. No.	Description
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	190 - 185	Pole	Max Tension	39	0.000	0.000	-0.000
			Max. Compression	26	-7.045	-0.047	0.532
			Max. Mx	20	-3.366	13.294	0.016
			Max. My	2	-3.362	-0.007	13.474
			Max. Vy	20	-3.450	13.294	0.016
			Max. Vx	14	3.514	-0.017	-13.331
			Max. Torque	18			-0.810
L2	185 - 180	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-9.625	0.297	0.216
			Max. Mx	20	-4.716	38.815	-0.206
			Max. My	14	-4.709	0.097	-39.235
			Max. Vy	20	-4.928	38.815	-0.206
			Max. Vx	14	5.014	0.097	-39.235
			Max. Torque	18			-0.810
L3	180 - 175	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-15.508	0.204	-1.153
			Max. Mx	20	-7.734	76.280	-0.534
			Max. My	14	-7.724	-0.030	-77.646
			Max. Vy	20	-7.750	76.280	-0.534
			Max. Vx	14	7.862	-0.030	-77.646
			Max. Torque	10			-1.079
L4	175 - 170	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-26.673	0.046	-0.938
			Max. Mx	20	-13.191	124.208	-0.593
			Max. My	14	-13.179	-0.188	-126.213
			Max. Vy	20	-12.600	124.208	-0.593
			Max. Vx	14	12.714	-0.188	-126.213
			Max. Torque	10			-1.079
L5	170 - 165	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-28.159	-0.208	-0.931
			Max. Mx	20	-14.172	188.384	-0.636
			Max. My	14	-14.160	-0.394	-191.082
			Max. Vy	20	-13.113	188.384	-0.636
			Max. Vx	14	13.227	-0.394	-191.082
			Max. Torque	10			-0.825
L6	165 - 160	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-29.643	-0.461	-0.923
			Max. Mx	20	-15.158	255.100	-0.679
			Max. My	14	-15.145	-0.600	-258.495
			Max. Vy	20	-13.617	255.100	-0.679

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L7	160 - 155	Pole	Max. Vx	14	13.732	-0.600	-258.495
			Max. Torque	10			-0.825
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-44.287	-0.884	-0.147
			Max. Mx	8	-22.023	-370.152	-1.397
			Max. My	14	-22.017	-0.857	-374.138
			Max. Vy	20	-21.083	370.131	-0.594
L8	155 - 150	Pole	Max. Vx	14	21.201	-0.857	-374.138
			Max. Torque	10			-0.825
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-46.178	-0.827	0.063
			Max. Mx	20	-23.235	476.952	-0.576
			Max. My	14	-23.219	-0.977	-481.523
			Max. Vy	20	-21.654	476.952	-0.576
L9	150 - 145	Pole	Max. Vx	14	21.772	-0.977	-481.523
			Max. Torque	10			-0.175
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-62.265	-1.717	1.633
			Max. Mx	8	-30.583	-634.494	-1.396
			Max. My	14	-30.573	-1.621	-639.751
			Max. Vy	20	-29.270	633.901	0.214
L10	145 - 140	Pole	Max. Vx	14	29.512	-1.621	-639.751
			Max. Torque	12			0.685
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-64.205	-1.660	1.841
			Max. Mx	8	-31.867	-782.138	-1.701
			Max. My	14	-31.858	-1.916	-788.582
			Max. Vy	20	-29.801	781.544	0.405
L11	140 - 135	Pole	Max. Vx	14	30.044	-1.916	-788.582
			Max. Torque	12			0.684
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-66.339	-1.598	2.077
			Max. Mx	8	-33.287	-932.640	-2.002
			Max. My	14	-33.278	-2.213	-940.262
			Max. Vy	20	-30.412	932.037	0.601
L12	135 - 130	Pole	Max. Vx	14	30.655	-2.213	-940.262
			Max. Torque	12			0.684
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-68.470	-1.536	2.312
			Max. Mx	8	-34.714	-1086.158	-2.302
			Max. My	14	-34.706	-2.510	-1094.955
			Max. Vy	20	-31.006	1085.542	0.797
L13	130 - 125	Pole	Max. Vx	14	31.249	-2.510	-1094.955
			Max. Torque	12			0.684
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-70.597	-1.474	2.546
			Max. Mx	8	-36.151	-1242.597	-2.602
			Max. My	14	-36.144	-2.807	-1252.566
			Max. Vy	20	-31.581	1241.966	0.993
L14	125 - 120	Pole	Max. Vx	14	31.824	-2.807	-1252.566
			Max. Torque	12			0.684
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-73.030	-1.953	3.014
			Max. Mx	8	-37.768	-1403.589	-2.629
			Max. My	14	-37.763	-3.259	-1414.168
			Max. Vy	20	-32.351	1402.423	1.293
L15	120 - 115	Pole	Max. Vx	14	32.575	-3.259	-1414.168
			Max. Torque	12			1.174
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-75.351	-1.886	3.274
			Max. Mx	8	-39.351	-1566.900	-2.840
			Max. My	14	-39.347	-3.473	-1578.538
			Max. Vy	20	-32.983	1565.704	1.408
L16	115 - 112.667	Pole	Max. Vx	14	33.206	-3.473	-1578.538
			Max. Torque	12			1.174
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-76.496	-1.855	3.395
			Max. Mx	8	-40.090	-1644.175	-2.938

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L17	112.667 - 112.417	Pole	Max. My	14	-40.086	-3.573	-1656.307
			Max. Vy	20	-33.273	1642.965	1.462
			Max. Vx	14	33.497	-3.573	-1656.307
			Max. Torque	12			1.173
			Max Tension	1	0.000	0.000	0.000
L18	112.417 - 107.417	Pole	Max. Compression	26	-76.639	-1.852	3.408
			Max. Mx	8	-40.193	-1652.496	-2.948
			Max. My	14	-40.189	-3.584	-1664.680
			Max. Vy	20	-33.300	1651.284	1.468
			Max. Vx	14	33.524	-3.584	-1664.680
L19	107.417 - 103.33	Pole	Max. Torque	12			1.173
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-79.770	-1.785	3.086
			Max. Mx	8	-42.316	-1821.561	-3.513
			Max. My	14	-42.312	-3.797	-1835.270
L20	103.33 - 103.08	Pole	Max. Vy	8	34.134	-1821.561	-3.513
			Max. Vx	14	34.396	-3.797	-1835.270
			Max. Torque	12			1.173
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-82.154	-1.731	3.296
L21	103.08 - 100	Pole	Max. Mx	8	-43.896	-1963.119	-3.685
			Max. My	14	-43.911	-3.971	-1976.809
			Max. Vy	8	35.143	-1963.119	-3.685
			Max. Vx	2	-35.384	2.197	1976.580
			Max. Torque	12			0.910
L22	100 - 95	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-82.304	-1.728	3.309
			Max. Mx	8	-43.997	-1971.912	-3.695
			Max. My	14	-44.012	-3.982	-1985.538
			Max. Vy	8	35.203	-1971.912	-3.695
L23	95 - 90	Pole	Max. Vx	2	-35.444	2.206	1985.434
			Max. Torque	12			0.910
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-84.105	-1.687	3.468
			Max. Mx	8	-45.188	-2081.487	-3.825
L24	90 - 89.5	Pole	Max. My	2	-45.172	2.319	2095.768
			Max. Vy	8	35.955	-2081.487	-3.825
			Max. Vx	2	-36.194	2.319	2095.768
			Max. Torque	12			0.910
			Max Tension	1	0.000	0.000	0.000
L25	89.5 - 89.25	Pole	Max. Compression	26	-87.240	-1.247	3.537
			Max. Mx	8	-47.316	-2263.086	-4.172
			Max. My	2	-47.300	2.683	2278.740
			Max. Vy	8	36.679	-2263.086	-4.172
			Max. Vx	2	-36.938	2.683	2278.740
L26	89.25 - 89.0	Pole	Max. Torque	12			0.910
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-90.577	-1.707	4.126
			Max. Mx	8	-49.599	-2449.979	-4.194
			Max. My	2	-49.584	2.540	2466.724
L27	89.0 - 88.75	Pole	Max. Vy	8	37.549	-2449.979	-4.194
			Max. Vx	2	-37.790	2.540	2466.724
			Max. Torque	12			1.149
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-90.893	-1.699	4.154
L28	88.75 - 88.5	Pole	Max. Mx	8	-49.811	-2468.785	-4.215
			Max. My	2	-49.796	2.558	2485.653
			Max. Vy	8	37.676	-2468.785	-4.215
			Max. Vx	2	-37.917	2.558	2485.653
			Max. Torque	12			1.149
L29	88.5 - 88.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-91.064	-1.696	4.168
			Max. Mx	8	-49.930	-2478.212	-4.225
			Max. My	2	-49.915	2.567	2495.142
			Max. Vy	8	37.742	-2478.212	-4.225

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L26	89.25 - 85.5	Pole	Max. Vx	2	-37.983	2.567	2495.142
			Max. Torque	12			1.149
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-93.706	-1.643	4.378
			Max. Mx	8	-51.720	-2621.597	-4.383
			Max. My	2	-51.705	2.707	2639.468
			Max. Vy	8	38.735	-2621.597	-4.383
			Max. Vx	2	-38.982	2.707	2639.468
L27	85.5 - 85.25	Pole	Max. Torque	12			1.149
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-93.932	-1.639	4.392
			Max. Mx	8	-51.885	-2631.289	-4.394
			Max. My	2	-51.870	2.716	2649.222
			Max. Vy	8	38.801	-2631.289	-4.394
			Max. Vx	2	-39.047	2.716	2649.222
			Max. Torque	12			1.149
L28	85.25 - 84	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-95.063	-1.622	4.462
			Max. Mx	8	-52.674	-2680.009	-4.447
			Max. My	2	-52.660	2.762	2698.256
			Max. Vy	8	39.155	-2680.009	-4.447
			Max. Vx	2	-39.399	2.762	2698.256
			Max. Torque	12			1.149
			Max Tension	1	0.000	0.000	0.000
L29	84 - 83.75	Pole	Max. Compression	26	-95.270	-1.618	4.476
			Max. Mx	8	-52.820	-2689.806	-4.457
			Max. My	2	-52.806	2.771	2708.115
			Max. Vy	8	39.221	-2689.806	-4.457
			Max. Vx	2	-39.464	2.771	2708.115
			Max. Torque	12			1.149
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-96.308	-1.600	4.546
L30	83.75 - 82.5	Pole	Max. Mx	8	-53.520	-2739.043	-4.510
			Max. My	2	-53.506	2.818	2757.663
			Max. Vy	8	39.567	-2739.043	-4.510
			Max. Vx	2	-39.808	2.818	2757.663
			Max. Torque	12			1.149
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-96.502	-1.597	4.560
			Max. Mx	8	-53.654	-2748.942	-4.520
L31	82.5 - 82.25	Pole	Max. My	2	-53.640	2.827	2767.624
			Max. Vy	8	39.629	-2748.942	-4.520
			Max. Vx	2	-39.869	2.827	2767.624
			Max. Torque	12			1.149
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-98.158	-1.565	4.686
			Max. Mx	8	-54.802	-2838.748	-4.615
			Max. My	2	-54.789	2.911	2857.978
L32	82.25 - 80	Pole	Max. Vy	8	40.207	-2838.748	-4.615
			Max. Vx	2	-40.441	2.911	2857.978
			Max. Torque	12			1.149
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-102.406	-2.023	5.302
			Max. Mx	8	-57.956	-3043.363	-4.544
			Max. My	2	-57.944	2.690	3063.585
			Max. Vy	8	41.057	-3043.363	-4.544
L33	80 - 75	Pole	Max. Vx	2	-41.274	2.690	3063.585
			Max. Torque	12			1.748
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-105.765	-1.953	5.579
			Max. Mx	8	-60.462	-3250.083	-4.680
			Max. My	2	-60.450	2.801	3271.422
			Max. Vy	8	41.640	-3250.083	-4.680
			Max. Vx	2	-41.857	2.801	3271.422
L34	75 - 70	Pole	Max. Torque	12			1.748
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-109.224	-1.884	5.855
			Max. Mx	8	-63.064	-3459.649	-4.816
			Max. My	2	-63.053	2.912	3482.104
			Max. Vy	8			
			Max. Vx	2			
			Max. Torque	12			1.748
L35	70 - 65	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-109.224	-1.884	5.855
			Max. Mx	8	-63.064	-3459.649	-4.816
			Max. My	2	-63.053	2.912	3482.104
			Max. Vy	8			
			Max. Vx	2			
			Max. Torque	12			1.748
			Max Tension	1	0.000	0.000	0.000

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L36	65 - 60	Pole	Max. Vy	8	42.197	-3459.649	-4.816
			Max. Vx	2	-42.414	2.912	3482.104
			Max. Torque	12			1.747
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-113.640	-1.815	6.129
			Max. Mx	8	-66.466	-3673.487	-4.951
			Max. My	2	-66.456	3.023	3697.016
			Max. Vy	8	43.351	-3673.487	-4.951
L37	60 - 58.5	Pole	Max. Vx	2	-43.551	3.023	3697.016
			Max. Torque	12			1.747
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-115.104	-1.795	6.211
			Max. Mx	8	-67.623	-3738.760	-4.992
			Max. My	2	-67.614	3.056	3762.594
			Max. Vy	8	43.700	-3738.760	-4.992
			Max. Vx	2	-43.895	3.056	3762.594
L38	58.5 - 58.25	Pole	Max. Torque	12			1.747
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-115.335	-1.791	6.225
			Max. Mx	8	-67.812	-3749.689	-4.999
			Max. My	2	-67.802	3.062	3773.574
			Max. Vy	8	43.746	-3749.689	-4.999
			Max. Vx	2	-43.940	3.062	3773.574
			Max. Torque	12			1.747
L39	58.25 - 53.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-119.360	-1.723	6.497
			Max. Mx	8	-71.019	-3969.683	-5.134
			Max. My	2	-71.011	3.173	3994.569
			Max. Vy	8	44.259	-3969.683	-5.134
			Max. Vx	2	-44.453	3.173	3994.569
			Max. Torque	12			1.747
			Max Tension	1	0.000	0.000	0.000
L40	53.25 - 48.25	Pole	Max. Compression	26	-122.845	-1.655	6.767
			Max. Mx	8	-73.747	-4192.093	-5.268
			Max. My	2	-73.739	3.284	4217.979
			Max. Vy	8	44.722	-4192.093	-5.268
			Max. Vx	2	-44.915	3.284	4217.979
			Max. Torque	12			1.747
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-123.047	-1.652	6.781
L41	48.25 - 48	Pole	Max. Mx	8	-73.915	-4203.274	-5.275
			Max. My	2	-73.907	3.289	4229.210
			Max. Vy	8	44.736	-4203.274	-5.275
			Max. Vx	2	-44.930	3.289	4229.210
			Max. Torque	12			1.747
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-127.978	-1.585	7.049
			Max. Mx	8	-77.860	-4429.555	-5.409
L42	48 - 43	Pole	Max. My	2	-77.853	3.400	4456.439
			Max. Vy	8	45.783	-4429.555	-5.409
			Max. Vx	2	-45.957	3.400	4456.439
			Max. Torque	12			1.747
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-131.582	-1.545	7.209
			Max. Mx	8	-80.780	-4567.835	-5.489
			Max. My	2	-80.774	3.466	4595.233
L43	43 - 40	Pole	Max. Vy	8	46.422	-4567.835	-5.489
			Max. Vx	2	-46.578	3.466	4595.233
			Max. Torque	12			1.747
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-137.505	-1.479	7.474
			Max. Mx	8	-85.570	-4802.436	-5.622
			Max. My	2	-85.565	3.576	4830.577
			Max. Vy	8	47.437	-4802.436	-5.622
L44	40 - 35	Pole	Max. Vx	2	-47.565	3.576	4830.577
			Max. Torque	12			1.747
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-137.505	-1.479	7.474
			Max. Mx	8	-85.570	-4802.436	-5.622
			Max. My	2	-85.565	3.576	4830.577
			Max. Vy	8	47.437	-4802.436	-5.622
			Max. Vx	2	-47.565	3.576	4830.577
L45	35 - 32.08	Pole	Max. Torque	12			1.747
			Max Tension	1	0.000	0.000	0.000

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L46	32.08 - 31.83	Pole	Max. Compression	26	-139.952	-1.441	7.628
			Max. Mx	8	-87.450	-4941.681	-5.700
			Max. My	2	-87.446	3.641	4970.205
			Max. Vy	8	47.968	-4941.681	-5.700
			Max. Vx	2	-48.089	3.641	4970.205
			Max. Torque	12			1.747
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-140.193	-1.437	7.641
			Max. Mx	8	-87.655	-4953.674	-5.707
			Max. My	2	-87.650	3.646	4982.229
			Max. Vy	8	47.994	-4953.674	-5.707
			Max. Vx	2	-48.115	3.646	4982.229
			Max. Torque	12			1.747
			Max Tension	1	0.000	0.000	0.000
L47	31.83 - 28.75	Pole	Max. Compression	26	-140.193	-1.437	7.641
			Max. Mx	8	-87.655	-4953.674	-5.707
			Max. My	2	-87.650	3.646	4982.229
			Max. Vy	8	47.994	-4953.674	-5.707
			Max. Vx	2	-48.115	3.646	4982.229
			Max. Torque	12			1.747
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-143.168	-1.397	7.801
			Max. Mx	8	-90.030	-5102.340	-5.788
			Max. My	2	-90.026	3.714	5131.276
			Max. Vy	8	48.553	-5102.340	-5.788
			Max. Vx	2	-48.667	3.714	5131.276
			Max. Torque	12			1.746
			Max Tension	1	0.000	0.000	0.000
L48	28.75 - 28.5	Pole	Max. Compression	26	-143.384	-1.394	7.814
			Max. Mx	8	-90.205	-5114.481	-5.795
			Max. My	2	-90.201	3.719	5143.447
			Max. Vy	8	48.587	-5114.481	-5.795
			Max. Vx	2	-48.700	3.719	5143.447
			Max. Torque	12			1.746
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-148.259	-1.330	8.073
			Max. Mx	8	-94.124	-5359.548	-5.927
			Max. My	2	-94.121	3.829	5389.080
			Max. Vy	8	49.452	-5359.548	-5.927
			Max. Vx	2	-49.553	3.829	5389.080
			Max. Torque	12			1.746
			Max Tension	1	0.000	0.000	0.000
L49	28.5 - 23.5	Pole	Max. Compression	26	-154.978	-1.267	8.328
			Max. Mx	8	-99.769	-5609.033	-6.058
			Max. My	2	-99.766	3.939	5639.056
			Max. Vy	8	50.366	-5609.033	-6.058
			Max. Vx	2	-50.448	3.939	5639.056
			Max. Torque	12			1.746
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-161.037	-1.206	8.578
			Max. Mx	8	-104.883	-5862.942	-6.189
			Max. My	2	-104.881	4.048	5893.373
			Max. Vy	8	51.222	-5862.942	-6.189
			Max. Vx	2	-51.291	4.048	5893.373
			Max. Torque	12			1.746
			Max Tension	1	0.000	0.000	0.000
L50	23.5 - 18.5	Pole	Max. Compression	26	-165.582	-1.146	8.872
			Max. Mx	8	-108.737	-6119.701	-6.280
			Max. My	2	-108.736	4.156	6150.542
			Max. Vy	8	51.510	-6119.701	-6.280
			Max. Vx	2	-51.578	4.156	6150.542
			Max. Torque	12			1.746
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-170.033	-1.089	9.269
			Max. Mx	8	-112.562	-6377.832	-6.281
			Max. My	2	-112.561	4.264	6409.167
			Max. Vy	8	51.774	-6377.832	-6.281
			Max. Vx	2	-51.840	4.264	6409.167
			Max. Torque	12			1.746
			Max Tension	1	0.000	0.000	0.000
L51	18.5 - 13.5	Pole	Max. Compression	26	-173.087	-1.053	9.531
			Max. Mx	8	-115.241	-6559.275	-6.281
			Max. My	2	-115.241	4.340	6590.953
			Max. Vy	8	51.948	-6559.275	-6.281
			Max. Vx	8	51.948	-6559.275	-6.281
			Max. Torque	12			1.746
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-173.087	-1.053	9.531
			Max. Mx	8	-115.241	-6559.275	-6.281
			Max. My	2	-115.241	4.340	6590.953
			Max. Vy	8	51.948	-6559.275	-6.281
			Max. Vx	8	51.948	-6559.275	-6.281
			Max. Torque	12			1.746
			Max Tension	1	0.000	0.000	0.000
L52	13.5 - 8.5	Pole	Max. Compression	26	-173.087	-1.053	9.531
			Max. Mx	8	-115.241	-6559.275	-6.281
			Max. My	2	-115.241	4.340	6590.953
			Max. Vy	8	51.948	-6559.275	-6.281
			Max. Vx	8	51.948	-6559.275	-6.281
			Max. Torque	12			1.746
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-173.087	-1.053	9.531
			Max. Mx	8	-115.241	-6559.275	-6.281
			Max. My	2	-115.241	4.340	6590.953
			Max. Vy	8	51.948	-6559.275	-6.281
			Max. Vx	8	51.948	-6559.275	-6.281
			Max. Torque	12			1.746
			Max Tension	1	0.000	0.000	0.000
L53	8.5 - 3.5	Pole	Max. Compression	26	-173.087	-1.053	9.531
			Max. Mx	8	-115.241	-6559.275	-6.281
			Max. My	2	-115.241	4.340	6590.953
			Max. Vy	8	51.948	-6559.275	-6.281
			Max. Vx	8	51.948	-6559.275	-6.281
			Max. Torque	12			1.746
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-173.087	-1.053	9.531
			Max. Mx	8	-115.241	-6559.275	-6.281
			Max. My	2	-115.241	4.340	6590.953
			Max. Vy	8	51.948	-6559.275	-6.281
			Max. Vx	8	51.948	-6559.275	-6.281
			Max. Torque	12			1.746
			Max Tension	1	0.000	0.000	0.000
L54	3.5 - 0	Pole	Max. Compression	26	-173.087	-1.053	9.531
			Max. Mx	8	-115.241	-6559.275	-6.281
			Max. My	2	-115.241	4.340	6590.953
			Max. Vy	8	51.948	-6559.275	-6.281
			Max. Vx	8	51.948	-6559.275	-6.281
			Max. Torque	12			1.746
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-173.087	-1.053	9.531
			Max. Mx	8	-115.241	-6559.275	-6.281
			Max. My	2	-115.241	4.340	6590.953
			Max. Vy	8	51.948	-6559.275	-6.281
			Max. Vx	8	51.948	-6559.275	-6.281
			Max. Torque	12			1.746
			Max Tension	1	0.000	0.000	0.000

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vx	2	-52.014	4.340	6590.953
			Max. Torque	12			1.746

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	173.087	0.000	0.000
	Max. H _x	20	115.253	50.006	-0.002
	Max. H _z	2	115.253	0.026	51.985
	Max. M _x	2	6590.953	0.026	51.985
	Max. M _z	8	6559.275	-51.920	-0.036
	Max. Torsion	12	1.746	-25.037	-43.512
	Min. Vert	5	86.440	-25.010	43.481
	Min. H _x	8	115.253	-51.920	-0.036
	Min. H _z	14	115.253	-0.022	-51.075
	Min. M _x	14	-6491.860	-0.022	-51.075
	Min. M _z	20	-6405.172	50.006	-0.002
	Min. Torsion	24	-1.702	26.308	45.701

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	96.045	0.000	0.000	-1.807	-1.675	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	115.253	-0.026	-51.985	-6590.953	4.340	1.538
0.9 Dead+1.0 Wind 0 deg - No Ice	86.440	-0.026	-51.985	-6530.996	4.811	1.528
1.2 Dead+1.0 Wind 30 deg - No Ice	115.253	25.010	-43.481	-5578.024	-3204.359	0.841
0.9 Dead+1.0 Wind 30 deg - No Ice	86.440	25.010	-43.481	-5526.816	-3174.750	0.838
1.2 Dead+1.0 Wind 60 deg - No Ice	115.253	44.013	-25.488	-3238.484	-5586.791	0.095
0.9 Dead+1.0 Wind 60 deg - No Ice	86.440	44.013	-25.488	-3208.649	-5535.758	0.100
1.2 Dead+1.0 Wind 90 deg - No Ice	115.253	51.920	0.036	6.281	-6559.275	-0.703
0.9 Dead+1.0 Wind 90 deg - No Ice	86.440	51.920	0.036	6.759	-6499.702	-0.692
1.2 Dead+1.0 Wind 120 deg - No Ice	115.253	44.850	26.020	3298.783	-5679.659	-1.379
0.9 Dead+1.0 Wind 120 deg - No Ice	86.440	44.850	26.020	3269.590	-5627.966	-1.364
1.2 Dead+1.0 Wind 150 deg - No Ice	115.253	25.037	43.512	5583.409	-3213.538	-1.746
0.9 Dead+1.0 Wind 150 deg - No Ice	86.440	25.037	43.512	5533.233	-3183.819	-1.732
1.2 Dead+1.0 Wind 180 deg - No Ice	115.253	0.022	51.075	6491.860	-7.871	-1.485
0.9 Dead+1.0 Wind 180 deg - No Ice	86.440	0.022	51.075	6433.676	-7.259	-1.476
1.2 Dead+1.0 Wind 210 deg - No Ice	115.253	-26.307	45.735	5756.231	3304.841	-0.811
0.9 Dead+1.0 Wind 210 deg - No Ice	86.440	-26.307	45.735	5705.092	3275.709	-0.808
1.2 Dead+1.0 Wind 240 deg - No Ice	115.253	-44.876	25.994	3291.170	5678.965	0.066

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
0.9 Dead+1.0 Wind 240 deg - No Ice	86.440	-44.876	25.994	3262.067	5628.329	0.062
1.2 Dead+1.0 Wind 270 deg - No Ice	115.253	-50.006	0.002	-3.350	6405.172	0.793
0.9 Dead+1.0 Wind 270 deg - No Ice	86.440	-50.006	0.002	-2.760	6347.548	0.781
1.2 Dead+1.0 Wind 300 deg - No Ice	115.253	-44.031	-25.503	-3243.895	5587.443	1.417
0.9 Dead+1.0 Wind 300 deg - No Ice	86.440	-44.031	-25.503	-3213.995	5537.446	1.403
1.2 Dead+1.0 Wind 330 deg - No Ice	115.253	-26.308	-45.701	-5755.616	3307.685	1.702
0.9 Dead+1.0 Wind 330 deg - No Ice	86.440	-26.308	-45.701	-5703.379	3278.515	1.687
1.2 Dead+1.0 Ice+1.0 Temp	173.087	0.000	0.000	-9.531	-1.053	0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	173.087	-0.002	-11.950	-1624.012	-0.057	0.545
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	173.087	5.947	-10.333	-1406.535	-803.610	0.367
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	173.087	10.315	-5.974	-815.820	-1391.623	0.121
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	173.087	11.928	0.004	-8.657	-1607.704	-0.162
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	173.087	10.312	5.978	797.887	-1392.448	-0.414
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	173.087	5.950	10.339	1388.095	-805.457	-0.564
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	173.087	0.002	11.961	1604.920	-2.342	-0.535
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	173.087	-5.972	10.377	1388.884	802.578	-0.360
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	173.087	-10.319	5.977	796.447	1390.533	-0.092
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	173.087	-11.892	0.003	-10.472	1604.233	0.178
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	173.087	-10.316	-5.973	-816.860	1390.018	0.419
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	173.087	-5.968	-10.369	-1408.465	803.149	0.556
Dead+Wind 0 deg - Service	96.045	-0.005	-9.761	-1232.197	-0.543	0.296
Dead+Wind 30 deg - Service	96.045	4.696	-8.164	-1043.005	-599.693	0.166
Dead+Wind 60 deg - Service	96.045	8.264	-4.786	-606.163	-1044.576	0.023
Dead+Wind 90 deg - Service	96.045	9.749	0.007	-0.270	-1226.196	-0.131
Dead+Wind 120 deg - Service	96.045	8.421	4.886	614.552	-1061.941	-0.262
Dead+Wind 150 deg - Service	96.045	4.701	8.170	1041.129	-601.405	-0.334
Dead+Wind 180 deg - Service	96.045	0.004	9.590	1210.786	-2.819	-0.286
Dead+Wind 210 deg - Service	96.045	-4.939	8.587	1073.466	615.792	-0.159
Dead+Wind 240 deg - Service	96.045	-8.426	4.881	613.134	1059.109	0.008
Dead+Wind 270 deg - Service	96.045	-9.389	0.000	-2.065	1194.664	0.147
Dead+Wind 300 deg - Service	96.045	-8.267	-4.789	-607.172	1041.996	0.268
Dead+Wind 330 deg - Service	96.045	-4.940	-8.581	-1076.232	616.321	0.325

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.000	-96.045	0.000	0.000	96.045	0.000	0.000%

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
2	-0.026	-115.253	-51.985	0.026	115.253	51.985	0.000%
3	-0.026	-86.440	-51.985	0.026	86.440	51.985	0.000%
4	25.010	-115.253	-43.481	-25.010	115.253	43.481	0.000%
5	25.010	-86.440	-43.481	-25.010	86.440	43.481	0.000%
6	44.013	-115.253	-25.488	-44.013	115.253	25.488	0.000%
7	44.013	-86.440	-25.488	-44.013	86.440	25.488	0.000%
8	51.920	-115.253	0.036	-51.920	115.253	-0.036	0.000%
9	51.920	-86.440	0.036	-51.920	86.440	-0.036	0.000%
10	44.850	-115.253	26.020	-44.850	115.253	-26.020	0.000%
11	44.850	-86.440	26.020	-44.850	86.440	-26.020	0.000%
12	25.037	-115.253	43.512	-25.037	115.253	-43.512	0.000%
13	25.037	-86.440	43.512	-25.037	86.440	-43.512	0.000%
14	0.022	-115.253	51.075	-0.022	115.253	-51.075	0.000%
15	0.022	-86.440	51.075	-0.022	86.440	-51.075	0.000%
16	-26.307	-115.253	45.735	26.307	115.253	-45.735	0.000%
17	-26.307	-86.440	45.735	26.307	86.440	-45.735	0.000%
18	-44.876	-115.253	25.994	44.876	115.253	-25.994	0.000%
19	-44.876	-86.440	25.994	44.876	86.440	-25.994	0.000%
20	-50.006	-115.253	0.002	50.006	115.253	-0.002	0.000%
21	-50.006	-86.440	0.002	50.006	86.440	-0.002	0.000%
22	-44.031	-115.253	-25.503	44.031	115.253	25.503	0.000%
23	-44.031	-86.440	-25.503	44.031	86.440	25.503	0.000%
24	-26.308	-115.253	-45.701	26.308	115.253	45.701	0.000%
25	-26.308	-86.440	-45.701	26.308	86.440	45.701	0.000%
26	0.000	-173.087	0.000	0.000	173.087	0.000	0.000%
27	-0.002	-173.087	-11.950	0.002	173.087	11.950	0.000%
28	5.947	-173.087	-10.333	-5.947	173.087	10.333	0.000%
29	10.315	-173.087	-5.974	-10.315	173.087	5.974	0.000%
30	11.928	-173.087	0.004	-11.928	173.087	-0.004	0.000%
31	10.312	-173.087	5.978	-10.312	173.087	-5.978	0.000%
32	5.950	-173.087	10.339	-5.950	173.087	-10.339	0.000%
33	0.002	-173.087	11.961	-0.002	173.087	-11.961	0.000%
34	-5.972	-173.087	10.377	5.972	173.087	-10.377	0.000%
35	-10.319	-173.087	5.977	10.319	173.087	-5.977	0.000%
36	-11.892	-173.087	0.003	11.892	173.087	-0.003	0.000%
37	-10.316	-173.087	-5.973	10.316	173.087	5.973	0.000%
38	-5.968	-173.087	-10.369	5.968	173.087	10.369	0.000%
39	-0.005	-96.045	-9.761	0.005	96.045	9.761	0.000%
40	4.696	-96.045	-8.164	-4.696	96.045	8.164	0.000%
41	8.264	-96.045	-4.786	-8.264	96.045	4.786	0.000%
42	9.749	-96.045	0.007	-9.749	96.045	-0.007	0.000%
43	8.421	-96.045	4.886	-8.421	96.045	-4.886	0.000%
44	4.701	-96.045	8.170	-4.701	96.045	-8.170	0.000%
45	0.004	-96.045	9.590	-0.004	96.045	-9.590	0.000%
46	-4.939	-96.045	8.587	4.939	96.045	-8.587	0.000%
47	-8.426	-96.045	4.881	8.426	96.045	-4.881	0.000%
48	-9.389	-96.045	0.000	9.389	96.045	-0.000	0.000%
49	-8.267	-96.045	-4.789	8.267	96.045	4.789	0.000%
50	-4.940	-96.045	-8.581	4.940	96.045	8.581	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	0.00024404
3	Yes	5	0.00000001	0.00010372
4	Yes	6	0.00000001	0.00020094
5	Yes	6	0.00000001	0.00007276
6	Yes	6	0.00000001	0.00019897
7	Yes	6	0.00000001	0.00007195
8	Yes	5	0.00000001	0.00020377
9	Yes	5	0.00000001	0.00007899
10	Yes	6	0.00000001	0.00020317
11	Yes	6	0.00000001	0.00007322

12	Yes	6	0.00000001	0.00020414
13	Yes	6	0.00000001	0.00007394
14	Yes	5	0.00000001	0.00025380
15	Yes	5	0.00000001	0.00010976
16	Yes	6	0.00000001	0.00020588
17	Yes	6	0.00000001	0.00007411
18	Yes	6	0.00000001	0.00020502
19	Yes	6	0.00000001	0.00007398
20	Yes	5	0.00000001	0.00021169
21	Yes	5	0.00000001	0.00008455
22	Yes	6	0.00000001	0.00020268
23	Yes	6	0.00000001	0.00007338
24	Yes	6	0.00000001	0.00020434
25	Yes	6	0.00000001	0.00007351
26	Yes	4	0.00000001	0.00000001
27	Yes	6	0.00000001	0.00034938
28	Yes	6	0.00000001	0.00036979
29	Yes	6	0.00000001	0.00036822
30	Yes	6	0.00000001	0.00034581
31	Yes	6	0.00000001	0.00036562
32	Yes	6	0.00000001	0.00036623
33	Yes	6	0.00000001	0.00034484
34	Yes	6	0.00000001	0.00036436
35	Yes	6	0.00000001	0.00036391
36	Yes	6	0.00000001	0.00034424
37	Yes	6	0.00000001	0.00036743
38	Yes	6	0.00000001	0.00036902
39	Yes	4	0.00000001	0.00073602
40	Yes	5	0.00000001	0.00005024
41	Yes	5	0.00000001	0.00004943
42	Yes	4	0.00000001	0.00078699
43	Yes	5	0.00000001	0.00004982
44	Yes	5	0.00000001	0.00005119
45	Yes	4	0.00000001	0.00072703
46	Yes	5	0.00000001	0.00005028
47	Yes	5	0.00000001	0.00005034
48	Yes	4	0.00000001	0.00071179
49	Yes	5	0.00000001	0.00005064
50	Yes	5	0.00000001	0.00004997

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	190 - 185	13.939	50	0.594	0.000
L2	185 - 180	13.317	50	0.593	0.000
L3	180 - 175	12.697	50	0.591	0.000
L4	175 - 170	12.079	50	0.589	0.000
L5	170 - 165	11.464	50	0.585	0.000
L6	165 - 160	10.854	50	0.579	0.000
L7	160 - 155	10.251	50	0.570	0.000
L8	155 - 150	9.658	50	0.562	0.000
L9	150 - 145	9.074	50	0.552	0.000
L10	145 - 140	8.503	50	0.538	0.000
L11	140 - 135	7.949	50	0.520	0.000
L12	135 - 130	7.412	50	0.506	0.000
L13	130 - 125	6.891	50	0.489	0.000
L14	125 - 120	6.389	50	0.469	0.000
L15	120 - 115	5.909	50	0.447	0.000
L16	115 - 112.667	5.450	50	0.430	0.000
L17	112.667 - 112.417	5.242	50	0.421	0.000
L18	112.417 - 107.417	5.220	50	0.420	0.000
L19	107.417 - 103.33	4.788	50	0.404	0.000
L20	103.33 - 103.08	4.448	50	0.390	0.000
L21	103.08 - 100	4.427	50	0.390	0.000

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L22	100 - 95	4.179	50	0.378	0.000
L23	95 - 90	3.791	50	0.363	0.000
L24	90 - 89.5	3.419	50	0.348	0.000
L25	89.5 - 89.25	3.382	50	0.346	0.000
L26	89.25 - 85.5	3.364	50	0.345	0.000
L27	85.5 - 85.25	3.098	50	0.334	0.000
L28	85.25 - 84	3.080	50	0.333	0.000
L29	84 - 83.75	2.993	50	0.330	0.000
L30	83.75 - 82.5	2.976	50	0.329	0.000
L31	82.5 - 82.25	2.890	50	0.325	0.000
L32	82.25 - 80	2.873	50	0.324	0.000
L33	80 - 75	2.723	50	0.315	0.000
L34	75 - 70	2.401	50	0.298	0.000
L35	70 - 65	2.098	50	0.281	0.000
L36	65 - 60	1.814	50	0.262	0.000
L37	60 - 58.5	1.550	50	0.242	0.000
L38	58.5 - 58.25	1.475	50	0.237	0.000
L39	58.25 - 53.25	1.463	50	0.236	0.000
L40	53.25 - 48.25	1.226	50	0.215	0.000
L41	48.25 - 48	1.012	50	0.194	0.000
L42	48 - 43	1.002	50	0.193	0.000
L43	43 - 40	0.809	50	0.175	0.000
L44	40 - 35	0.702	50	0.164	0.000
L45	35 - 32.08	0.541	50	0.144	0.000
L46	32.08 - 31.83	0.457	50	0.132	0.000
L47	31.83 - 28.75	0.450	50	0.131	0.000
L48	28.75 - 28.5	0.369	50	0.120	0.000
L49	28.5 - 23.5	0.363	50	0.119	0.000
L50	23.5 - 18.5	0.249	50	0.098	0.000
L51	18.5 - 13.5	0.157	50	0.079	0.000
L52	13.5 - 8.5	0.084	50	0.059	0.000
L53	8.5 - 3.5	0.034	50	0.038	0.000
L54	3.5 - 0	0.006	50	0.016	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
188.000	PD201-7	50	13.690	0.594	0.000	267398
187.000	SP2-5.8	50	13.566	0.594	0.000	267398
185.000	1900MHz RRH	50	13.317	0.593	0.000	267398
184.000	3' x 2" Pipe Mount	50	13.193	0.593	0.000	221673
179.000	458-2D	50	12.573	0.591	0.000	122929
172.000	PD201-7	50	11.709	0.587	0.000	68211
160.000	DMP65R-BU6D w/ Mount Pipe	50	10.251	0.570	0.000	33565
150.000	(4) MX06FRO640-02 w/ Mount Pipe	50	9.074	0.552	0.000	23220
125.000	PD128-1	50	6.389	0.469	0.000	13716
110.000	PD128-1	50	5.009	0.413	0.000	17633
100.000	GPS_A	50	4.179	0.378	0.000	17393
95.000	PD128-1	50	3.791	0.363	0.000	18641
80.000	DB222	50	2.723	0.315	0.000	16164

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	190 - 185	74.706	24	3.187	0.001
L2	185 - 180	71.374	24	3.185	0.001

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L3	180 - 175	68.047	24	3.175	0.001
L4	175 - 170	64.732	24	3.163	0.001
L5	170 - 165	61.435	24	3.142	0.001
L6	165 - 160	58.165	24	3.108	0.002
L7	160 - 155	54.937	24	3.060	0.002
L8	155 - 150	51.756	24	3.017	0.002
L9	150 - 145	48.628	24	2.960	0.002
L10	145 - 140	45.568	24	2.885	0.002
L11	140 - 135	42.598	24	2.789	0.002
L12	135 - 130	39.718	24	2.712	0.002
L13	130 - 125	36.925	24	2.622	0.001
L14	125 - 120	34.235	24	2.517	0.001
L15	120 - 115	31.662	24	2.398	0.001
L16	115 - 112.667	29.200	24	2.304	0.001
L17	112.667 - 112.417	28.086	24	2.257	0.001
L18	112.417 - 107.417	27.968	24	2.253	0.001
L19	107.417 - 103.33	25.653	24	2.169	0.001
L20	103.33 - 103.08	23.830	24	2.093	0.001
L21	103.08 - 100	23.720	24	2.088	0.001
L22	100 - 95	22.393	24	2.028	0.001
L23	95 - 90	20.311	24	1.949	0.001
L24	90 - 89.5	18.316	24	1.863	0.001
L25	89.5 - 89.25	18.121	24	1.854	0.001
L26	89.25 - 85.5	18.024	24	1.850	0.001
L27	85.5 - 85.25	16.595	24	1.790	0.001
L28	85.25 - 84	16.501	24	1.787	0.001
L29	84 - 83.75	16.036	24	1.769	0.001
L30	83.75 - 82.5	15.944	24	1.764	0.001
L31	82.5 - 82.25	15.485	24	1.742	0.001
L32	82.25 - 80	15.394	24	1.737	0.001
L33	80 - 75	14.587	24	1.689	0.001
L34	75 - 70	12.865	24	1.600	0.001
L35	70 - 65	11.239	24	1.505	0.001
L36	65 - 60	9.716	24	1.403	0.001
L37	60 - 58.5	8.303	24	1.295	0.001
L38	58.5 - 58.25	7.900	24	1.268	0.001
L39	58.25 - 53.25	7.834	24	1.262	0.001
L40	53.25 - 48.25	6.568	24	1.155	0.000
L41	48.25 - 48	5.418	24	1.041	0.000
L42	48 - 43	5.364	24	1.036	0.000
L43	43 - 40	4.330	24	0.938	0.000
L44	40 - 35	3.760	24	0.877	0.000
L45	35 - 32.08	2.898	24	0.770	0.000
L46	32.08 - 31.83	2.447	24	0.705	0.000
L47	31.83 - 28.75	2.410	24	0.701	0.000
L48	28.75 - 28.5	1.976	24	0.644	0.000
L49	28.5 - 23.5	1.942	24	0.638	0.000
L50	23.5 - 18.5	1.334	24	0.524	0.000
L51	18.5 - 13.5	0.838	24	0.422	0.000
L52	13.5 - 8.5	0.452	24	0.314	0.000
L53	8.5 - 3.5	0.182	24	0.202	0.000
L54	3.5 - 0	0.031	24	0.085	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
188.000	PD201-7	24	73.373	3.187	0.001	50693
187.000	SP2-5.8	24	72.707	3.187	0.001	50693
185.000	1900MHz RRH	24	71.374	3.185	0.001	50693
184.000	3' x 2" Pipe Mount	24	70.708	3.184	0.001	42075
179.000	458-2D	24	67.383	3.173	0.001	23545

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
172.000	PD201-7	24	62.751	3.152	0.002	12985
160.000	DMP65R-BU6D w/ Mount Pipe	24	54.937	3.060	0.002	6322
150.000	(4) MX06FRO640-02 w/ Mount Pipe	24	48.628	2.960	0.002	4354
125.000	PD128-1	24	34.235	2.517	0.001	2566
110.000	PD128-1	24	26.838	2.214	0.001	3296
100.000	GPS_A	24	22.393	2.028	0.001	3251
95.000	PD128-1	24	20.311	1.949	0.001	3484
80.000	DB222	24	14.587	1.689	0.001	3021

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L1	190 - 185 (1)	P30x0.375	5.000	0.000	0.0	34.901	-3.362	1311.060	0.003
L2	185 - 180 (2)	P30x0.375	5.000	0.000	0.0	34.901	-4.708	1311.060	0.004
L3	180 - 175 (3)	P36x0.375	5.000	0.000	0.0	41.970	-7.724	1490.100	0.005
L4	175 - 170 (4)	P36x0.375	5.000	0.000	0.0	41.970	-13.179	1490.100	0.009
L5	170 - 165 (5)	P36x0.375	5.000	0.000	0.0	41.970	-14.160	1490.100	0.010
L6	165 - 160 (6)	P36x0.375	5.000	0.000	0.0	41.970	-15.145	1490.100	0.010
L7	160 - 155 (7)	P42x0.375	5.000	0.000	0.0	49.038	-22.017	1668.870	0.013
L8	155 - 150 (8)	P42x0.375	5.000	0.000	0.0	49.038	-23.219	1668.870	0.014
L9	150 - 145 (9)	P42x0.375	5.000	0.000	0.0	49.038	-30.573	1668.870	0.018
L10	145 - 140 (10)	P42x0.375	5.000	0.000	0.0	49.038	-31.858	1668.870	0.019
L11	140 - 135 (11)	P48x0.375	5.000	0.000	0.0	56.107	-33.278	1847.490	0.018
L12	135 - 130 (12)	P48x0.375	5.000	0.000	0.0	56.107	-34.706	1847.490	0.019
L13	130 - 125 (13)	P48x0.375	5.000	0.000	0.0	56.107	-36.144	1847.490	0.020
L14	125 - 120 (14)	P48x0.375	5.000	0.000	0.0	56.107	-37.763	1847.490	0.020
L15	120 - 115 (15)	P54x0.375	5.000	0.000	0.0	63.175	-39.346	2026.000	0.019
L16	115 - 112.667 (16)	P54x0.375	2.333	0.000	0.0	63.175	-40.086	2026.000	0.020
L17	112.667 - 112.417 (17)	P54x0.4875	0.250	0.000	0.0	81.956	-40.189	2797.170	0.014
L18	112.417 - 107.417 (18)	P54x0.4875	5.000	0.000	0.0	81.956	-42.312	2797.170	0.015
L19	107.417 - 103.33 (19)	P54x0.4875	4.087	0.000	0.0	81.956	-43.911	2797.170	0.016
L20	103.33 - 103.08 (20)	P54x0.4875	0.250	0.000	0.0	81.956	-43.981	2797.170	0.016
L21	103.08 - 100 (21)	P54x0.4875	3.080	0.000	0.0	81.956	-45.172	2797.170	0.016
L22	100 - 95 (22)	P60x0.475	5.000	0.000	0.0	88.827	-47.300	2934.040	0.016
L23	95 - 90 (23)	P60x0.475	5.000	0.000	0.0	88.827	-49.584	2934.040	0.017
L24	90 - 89.5 (24)	P60x0.475	0.500	0.000	0.0	88.827	-49.796	2934.040	0.017
L25	89.5 - 89.25 (25)	P60x0.55625	0.250	0.000	0.0	103.87 9	-49.915	3570.370	0.014
L26	89.25 - 85.5 (26)	P60x0.55625	3.750	0.000	0.0	103.87 9	-51.706	3570.370	0.014
L27	85.5 - 85.25 (27)	P60x0.6375	0.250	0.000	0.0	118.88 9	-51.870	4245.550	0.012
L28	85.25 - 84 (28)	P60x0.6375	1.250	0.000	0.0	118.88 9	-52.660	4245.550	0.012
L29	84 - 83.75 (29)	P60x0.525	0.250	0.000	0.0	98.094	-52.806	3321.020	0.016
L30	83.75 - 82.5 (30)	P60x0.525	1.250	0.000	0.0	98.094	-53.506	3321.020	0.016
L31	82.5 - 82.25 (31)	P60x0.45	0.250	0.000	0.0	84.187	-53.640	2746.080	0.020
L32	82.25 - 80	P60x0.45	2.250	0.000	0.0	84.187	-54.788	2746.080	0.020

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L33	(32) 80 - 75 (33)	P60x0.575	5.000	0.000	0.0	107.34 6	-57.944	3722.740	0.016
L34	75 - 70 (34)	P60x0.575	5.000	0.000	0.0	107.34 6	-60.430	3722.740	0.016
L35	70 - 65 (35)	P60x0.575	5.000	0.000	0.0	107.34 6	-63.034	3722.740	0.017
L36	65 - 60 (36)	P60x0.575	5.000	0.000	0.0	107.34 6	-66.437	3722.740	0.018
L37	60 - 58.5 (37)	P60x0.7	1.500	0.000	0.0	130.40 8	-67.595	4791.240	0.014
L38	58.5 - 58.25 (38)	P60x0.625	0.250	0.000	0.0	116.58 3	-67.784	4139.150	0.016
L39	58.25 - 53.25 (39)	P60x0.625	5.000	0.000	0.0	116.58 3	-70.993	4139.150	0.017
L40	53.25 - 48.25 (40)	P60x0.625	5.000	0.000	0.0	116.58 3	-73.724	4139.150	0.018
L41	48.25 - 48 (41)	P60x0.775	0.250	0.000	0.0	144.19 7	-73.892	5450.650	0.014
L42	48 - 43 (42)	P60x0.775	5.000	0.000	0.0	144.19 7	-77.838	5450.650	0.014
L43	43 - 40 (43)	P60x0.775	3.000	0.000	0.0	144.19 7	-80.759	5450.650	0.015
L44	40 - 35 (44)	P60x0.775	5.000	0.000	0.0	144.19 7	-85.552	5450.650	0.016
L45	35 - 32.08 (45)	P60x0.775	2.920	0.000	0.0	144.19 7	-87.433	5450.650	0.016
L46	32.08 - 31.83 (46)	P60x0.9625	0.250	0.000	0.0	178.51 7	-87.638	6747.930	0.013
L47	31.83 - 28.75 (47)	P60x0.9625	3.080	0.000	0.0	178.51 7	-90.015	6747.930	0.013
L48	28.75 - 28.5 (48)	P60x0.8125	0.250	0.000	0.0	151.07 9	-90.190	5710.780	0.016
L49	28.5 - 23.5 (49)	P60x0.8125	5.000	0.000	0.0	151.07 9	-94.111	5710.780	0.016
L50	23.5 - 18.5 (50)	P60x0.95	5.000	0.000	0.0	176.23 5	-99.758	6661.700	0.015
L51	18.5 - 13.5 (51)	P60x0.95	5.000	0.000	0.0	176.23 5	-104.875	6661.700	0.016
L52	13.5 - 8.5 (52)	P60x0.95	5.000	0.000	0.0	176.23 5	-108.732	6661.700	0.016
L53	8.5 - 3.5 (53)	P60x0.95	5.000	0.000	0.0	176.23 5	-112.559	6661.700	0.017
L54	3.5 - 0 (54)	P60x0.95	3.500	0.000	0.0	176.23 5	-115.240	6661.700	0.017

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	190 - 185 (1)	P30x0.375	13.474	947.858	0.014	0.000	947.858	0.000
L2	185 - 180 (2)	P30x0.375	39.248	947.858	0.041	0.000	947.858	0.000
L3	180 - 175 (3)	P36x0.375	77.646	1338.808	0.058	0.000	1338.808	0.000
L4	175 - 170 (4)	P36x0.375	126.213	1338.808	0.094	0.000	1338.808	0.000
L5	170 - 165 (5)	P36x0.375	191.083	1338.808	0.143	0.000	1338.808	0.000
L6	165 - 160 (6)	P36x0.375	258.495	1338.808	0.193	0.000	1338.808	0.000
L7	160 - 155 (7)	P42x0.375	374.139	1796.558	0.208	0.000	1796.558	0.000
L8	155 - 150 (8)	P42x0.375	481.523	1796.558	0.268	0.000	1796.558	0.000
L9	150 - 145 (9)	P42x0.375	639.753	1796.558	0.356	0.000	1796.558	0.000
L10	145 - 140 (10)	P42x0.375	788.584	1796.558	0.439	0.000	1796.558	0.000
L11	140 - 135 (11)	P48x0.375	940.267	2321.108	0.405	0.000	2321.108	0.000
L12	135 - 130 (12)	P48x0.375	1094.958	2321.108	0.472	0.000	2321.108	0.000
L13	130 - 125 (13)	P48x0.375	1252.567	2321.108	0.540	0.000	2321.108	0.000
L14	125 - 120 (14)	P48x0.375	1414.175	2321.108	0.609	0.000	2321.108	0.000

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 $\frac{M_{uy}}{\phi M_{ny}}$
L15	120 - 115 (15)	P54x0.375	1578.542	2912.458	0.542	0.000	2912.458	0.000
L16	115 - 112.667 (16)	P54x0.375	1656.308	2912.458	0.569	0.000	2912.458	0.000
L17	112.667 - 112.417 (17)	P54x0.4875	1664.683	3864.467	0.431	0.000	3864.467	0.000
L18	112.417 - 107.417 (18)	P54x0.4875	1835.275	3864.467	0.475	0.000	3864.467	0.000
L19	107.417 - 103.33 (19)	P54x0.4875	1976.817	3864.467	0.512	0.000	3864.467	0.000
L20	103.33 - 103.08 (20)	P54x0.4875	1985.433	3864.467	0.514	0.000	3864.467	0.000
L21	103.08 - 100 (21)	P54x0.4875	2095.767	3864.467	0.542	0.000	3864.467	0.000
L22	100 - 95 (22)	P60x0.475	2278.742	4598.575	0.496	0.000	4598.575	0.000
L23	95 - 90 (23)	P60x0.475	2466.725	4598.575	0.536	0.000	4598.575	0.000
L24	90 - 89.5 (24)	P60x0.475	2485.658	4598.575	0.541	0.000	4598.575	0.000
L25	89.5 - 89.25 (25)	P60x0.55625	2495.142	5456.533	0.457	0.000	5456.533	0.000
L26	89.25 - 85.5 (26)	P60x0.55625	2639.467	5456.533	0.484	0.000	5456.533	0.000
L27	85.5 - 85.25 (27)	P60x0.6375	2649.225	6334.558	0.418	0.000	6334.558	0.000
L28	85.25 - 84 (28)	P60x0.6375	2698.258	6334.558	0.426	0.000	6334.558	0.000
L29	84 - 83.75 (29)	P60x0.525	2708.117	5124.158	0.529	0.000	5124.158	0.000
L30	83.75 - 82.5 (30)	P60x0.525	2757.667	5124.158	0.538	0.000	5124.158	0.000
L31	82.5 - 82.25 (31)	P60x0.45	2767.625	4338.667	0.638	0.000	4338.667	0.000
L32	82.25 - 80 (32)	P60x0.45	2857.983	4338.667	0.659	0.000	4338.667	0.000
L33	80 - 75 (33)	P60x0.575	3063.583	5657.383	0.542	0.000	5657.383	0.000
L34	75 - 70 (34)	P60x0.575	3271.617	5657.383	0.578	0.000	5657.383	0.000
L35	70 - 65 (35)	P60x0.575	3485.250	5657.383	0.616	0.000	5657.383	0.000
L36	65 - 60 (36)	P60x0.575	3703.167	5657.383	0.655	0.000	5657.383	0.000
L37	60 - 58.5 (37)	P60x0.7	3769.658	7023.433	0.537	0.000	7023.433	0.000
L38	58.5 - 58.25 (38)	P60x0.625	3780.800	6198.183	0.610	0.000	6198.183	0.000
L39	58.25 - 53.25 (39)	P60x0.625	4004.883	6198.183	0.646	0.000	6198.183	0.000
L40	53.25 - 48.25 (40)	P60x0.625	4231.375	6198.183	0.683	0.000	6198.183	0.000
L41	48.25 - 48 (41)	P60x0.775	4242.767	7865.350	0.539	0.000	7865.350	0.000
L42	48 - 43 (42)	P60x0.775	4473.133	7865.350	0.569	0.000	7865.350	0.000
L43	43 - 40 (43)	P60x0.775	4613.867	7865.350	0.587	0.000	7865.350	0.000
L44	40 - 35 (44)	P60x0.775	4852.575	7865.350	0.617	0.000	7865.350	0.000
L45	35 - 32.08 (45)	P60x0.775	4994.225	7865.350	0.635	0.000	7865.350	0.000
L46	32.08 - 31.83 (46)	P60x0.9625	5006.417	10041.583	0.499	0.000	10041.583	0.000
L47	31.83 - 28.75 (47)	P60x0.9625	5157.617	10041.583	0.514	0.000	10041.583	0.000
L48	28.75 - 28.5 (48)	P60x0.8125	5169.967	8292.483	0.623	0.000	8292.483	0.000
L49	28.5 - 23.5 (49)	P60x0.8125	5419.133	8292.483	0.653	0.000	8292.483	0.000
L50	23.5 - 18.5 (50)	P60x0.95	5672.725	9893.333	0.573	0.000	9893.333	0.000
L51	18.5 - 13.5 (51)	P60x0.95	5930.741	9893.333	0.599	0.000	9893.333	0.000
L52	13.5 - 8.5 (52)	P60x0.95	6191.650	9893.333	0.626	0.000	9893.333	0.000
L53	8.5 - 3.5 (53)	P60x0.95	6453.983	9893.333	0.652	0.000	9893.333	0.000
L54	3.5 - 0 (54)	P60x0.95	6638.367	9893.333	0.671	0.000	9893.333	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio V_u ϕV_n	Actual T_u kip-ft	ϕT_n kip-ft	Ratio T_u ϕT_n
L1	190 - 185 (1)	P30x0.375	3.479	395.779	0.009	0.022	994.725	0.000
L2	185 - 180 (2)	P30x0.375	4.994	395.779	0.013	0.695	994.725	0.001
L3	180 - 175 (3)	P36x0.375	7.862	454.187	0.017	0.374	1094.275	0.000
L4	175 - 170 (4)	P36x0.375	12.714	454.187	0.028	0.374	1094.275	0.000
L5	170 - 165 (5)	P36x0.375	13.227	454.187	0.029	0.374	1094.275	0.000
L6	165 - 160 (6)	P36x0.375	13.732	454.187	0.030	0.374	1094.275	0.000
L7	160 - 155 (7)	P42x0.375	21.201	421.127	0.050	0.143	1185.508	0.000
L8	155 - 150 (8)	P42x0.375	21.772	421.127	0.052	0.143	1185.508	0.000
L9	150 - 145 (9)	P42x0.375	29.512	421.127	0.070	0.439	1185.508	0.000
L10	145 - 140 (10)	P42x0.375	30.044	421.127	0.071	0.439	1185.508	0.000
L11	140 - 135 (11)	P48x0.375	30.655	394.809	0.078	0.439	1270.825	0.000
L12	135 - 130 (12)	P48x0.375	31.249	394.809	0.079	0.439	1270.825	0.000
L13	130 - 125 (13)	P48x0.375	31.824	394.809	0.081	0.439	1270.825	0.000
L14	125 - 120 (14)	P48x0.375	32.575	394.809	0.083	0.823	1270.825	0.001
L15	120 - 115 (15)	P54x0.375	33.206	406.963	0.082	0.823	1474.983	0.001
L16	115 - 112.667 (16)	P54x0.375	33.497	406.963	0.082	0.823	1474.983	0.001
L17	112.667 - 112.417 (17)	P54x0.4875	33.524	732.851	0.046	0.823	2650.550	0.000
L18	112.417 - 107.417 (18)	P54x0.4875	34.396	732.851	0.047	0.823	2650.550	0.000
L19	107.417 - 103.33 (19)	P54x0.4875	34.900	732.851	0.048	0.822	2650.550	0.000
L20	103.33 - 103.08 (20)	P54x0.4875	35.444	732.851	0.048	0.875	2650.550	0.000
L21	103.08 - 100 (21)	P54x0.4875	36.194	732.851	0.049	0.875	2650.550	0.000
L22	100 - 95 (22)	P60x0.475	36.938	710.493	0.052	0.602	2858.408	0.000
L23	95 - 90 (23)	P60x0.475	37.790	710.493	0.053	1.082	2858.408	0.000
L24	90 - 89.5 (24)	P60x0.475	37.917	710.493	0.053	1.082	2858.408	0.000
L25	89.5 - 89.25 (25)	P60x0.55625	37.983	1012.190	0.038	1.082	4066.625	0.000
L26	89.25 - 85.5 (26)	P60x0.55625	38.982	1012.190	0.039	1.082	4066.625	0.000
L27	85.5 - 85.25 (27)	P60x0.6375	39.047	1348.200	0.029	1.082	5511.492	0.000
L28	85.25 - 84 (28)	P60x0.6375	39.399	1348.200	0.029	1.082	5511.492	0.000
L29	84 - 83.75 (29)	P60x0.525	39.464	889.186	0.044	1.082	3574.308	0.000
L30	83.75 - 82.5 (30)	P60x0.525	39.808	889.186	0.045	1.082	3574.308	0.000
L31	82.5 - 82.25 (31)	P60x0.45	39.869	629.375	0.063	1.082	2533.125	0.000
L32	82.25 - 80 (32)	P60x0.45	40.441	629.375	0.064	1.082	2533.125	0.000
L33	80 - 75 (33)	P60x0.575	41.274	1090.240	0.038	1.539	4378.800	0.000
L34	75 - 70 (34)	P60x0.575	42.450	1090.240	0.039	1.703	4378.800	0.000
L35	70 - 65 (35)	P60x0.575	43.007	1090.240	0.039	1.703	4378.800	0.000
L36	65 - 60 (36)	P60x0.575	44.165	1090.240	0.041	1.703	4378.800	0.000
L37	60 - 58.5 (37)	P60x0.7	44.516	1478.820	0.030	1.703	6788.033	0.000
L38	58.5 - 58.25 (38)	P60x0.625	44.560	1314.110	0.034	1.703	5273.533	0.000
L39	58.25 - 53.25 (39)	P60x0.625	45.074	1314.110	0.034	1.702	5273.533	0.000
L40	53.25 - 48.25 (40)	P60x0.625	45.536	1314.110	0.035	1.702	5273.533	0.000
L41	48.25 - 48 (41)	P60x0.775	45.549	1635.200	0.028	1.702	8514.417	0.000
L42	48 - 43 (42)	P60x0.775	46.599	1635.200	0.028	1.702	8514.417	0.000
L43	43 - 40 (43)	P60x0.775	47.239	1635.200	0.029	1.702	8514.417	0.000
L44	40 - 35 (44)	P60x0.775	48.256	1635.200	0.030	1.702	8514.417	0.000
L45	35 - 32.08 (45)	P60x0.775	48.786	1635.200	0.030	1.702	8514.417	0.000
L46	32.08 - 31.83 (46)	P60x0.9625	48.811	2024.380	0.024	1.702	10507.500	0.000

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio V_u ϕV_n	Actual T_u kip-ft	ϕT_n kip-ft	Ratio T_u ϕT_n
L47	31.83 - 28.75 (47)	P60x0.9625	49.371	2024.380	0.024	1.702	10507.500	0.000
L48	28.75 - 28.5 (48)	P60x0.8125	49.403	1713.230	0.029	1.702	8915.083	0.000
L49	28.5 - 23.5 (49)	P60x0.8125	50.270	1713.230	0.029	1.702	8915.083	0.000
L50	23.5 - 18.5 (50)	P60x0.95	51.185	1998.510	0.026	1.702	10375.417	0.000
L51	18.5 - 13.5 (51)	P60x0.95	52.042	1998.510	0.026	1.702	10375.417	0.000
L52	13.5 - 8.5 (52)	P60x0.95	52.328	1998.510	0.026	1.702	10375.417	0.000
L53	8.5 - 3.5 (53)	P60x0.95	52.590	1998.510	0.026	1.702	10375.417	0.000
L54	3.5 - 0 (54)	P60x0.95	52.762	1998.510	0.026	1.702	10375.417	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	190 - 185 (1)	0.003	0.014	0.000	0.009	0.000	0.017	1.050	4.8.2 ✓
L2	185 - 180 (2)	0.004	0.041	0.000	0.013	0.001	0.045	1.050	4.8.2 ✓
L3	180 - 175 (3)	0.005	0.058	0.000	0.017	0.000	0.063	1.050	4.8.2 ✓
L4	175 - 170 (4)	0.009	0.094	0.000	0.028	0.000	0.104	1.050	4.8.2 ✓
L5	170 - 165 (5)	0.010	0.143	0.000	0.029	0.000	0.153	1.050	4.8.2 ✓
L6	165 - 160 (6)	0.010	0.193	0.000	0.030	0.000	0.204	1.050	4.8.2 ✓
L7	160 - 155 (7)	0.013	0.208	0.000	0.050	0.000	0.224	1.050	4.8.2 ✓
L8	155 - 150 (8)	0.014	0.268	0.000	0.052	0.000	0.285	1.050	4.8.2 ✓
L9	150 - 145 (9)	0.018	0.356	0.000	0.070	0.000	0.379	1.050	4.8.2 ✓
L10	145 - 140 (10)	0.019	0.439	0.000	0.071	0.000	0.463	1.050	4.8.2 ✓
L11	140 - 135 (11)	0.018	0.405	0.000	0.078	0.000	0.429	1.050	4.8.2 ✓
L12	135 - 130 (12)	0.019	0.472	0.000	0.079	0.000	0.497	1.050	4.8.2 ✓
L13	130 - 125 (13)	0.020	0.540	0.000	0.081	0.000	0.566	1.050	4.8.2 ✓
L14	125 - 120 (14)	0.020	0.609	0.000	0.083	0.001	0.637	1.050	4.8.2 ✓
L15	120 - 115 (15)	0.019	0.542	0.000	0.082	0.001	0.568	1.050	4.8.2 ✓
L16	115 - 112.667 (16)	0.020	0.569	0.000	0.082	0.001	0.595	1.050	4.8.2 ✓
L17	112.667 - 112.417 (17)	0.014	0.431	0.000	0.046	0.000	0.447	1.050	4.8.2 ✓
L18	112.417 - 107.417 (18)	0.015	0.475	0.000	0.047	0.000	0.492	1.050	4.8.2 ✓
L19	107.417 - 103.33 (19)	0.016	0.512	0.000	0.048	0.000	0.530	1.050	4.8.2 ✓

Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L20	103.33 - 103.08 (20)	0.016	0.514	0.000	0.048	0.000	0.532	1.050	4.8.2 ✓
L21	103.08 - 100 (21)	0.016	0.542	0.000	0.049	0.000	0.561	1.050	4.8.2 ✓
L22	100 - 95 (22)	0.016	0.496	0.000	0.052	0.000	0.514	1.050	4.8.2 ✓
L23	95 - 90 (23)	0.017	0.536	0.000	0.053	0.000	0.556	1.050	4.8.2 ✓
L24	90 - 89.5 (24)	0.017	0.541	0.000	0.053	0.000	0.560	1.050	4.8.2 ✓
L25	89.5 - 89.25 (25)	0.014	0.457	0.000	0.038	0.000	0.473	1.050	4.8.2 ✓
L26	89.25 - 85.5 (26)	0.014	0.484	0.000	0.039	0.000	0.500	1.050	4.8.2 ✓
L27	85.5 - 85.25 (27)	0.012	0.418	0.000	0.029	0.000	0.431	1.050	4.8.2 ✓
L28	85.25 - 84 (28)	0.012	0.426	0.000	0.029	0.000	0.439	1.050	4.8.2 ✓
L29	84 - 83.75 (29)	0.016	0.529	0.000	0.044	0.000	0.546	1.050	4.8.2 ✓
L30	83.75 - 82.5 (30)	0.016	0.538	0.000	0.045	0.000	0.556	1.050	4.8.2 ✓
L31	82.5 - 82.25 (31)	0.020	0.638	0.000	0.063	0.000	0.661	1.050	4.8.2 ✓
L32	82.25 - 80 (32)	0.020	0.659	0.000	0.064	0.000	0.683	1.050	4.8.2 ✓
L33	80 - 75 (33)	0.016	0.542	0.000	0.038	0.000	0.559	1.050	4.8.2 ✓
L34	75 - 70 (34)	0.016	0.578	0.000	0.039	0.000	0.596	1.050	4.8.2 ✓
L35	70 - 65 (35)	0.017	0.616	0.000	0.039	0.000	0.635	1.050	4.8.2 ✓
L36	65 - 60 (36)	0.018	0.655	0.000	0.041	0.000	0.674	1.050	4.8.2 ✓
L37	60 - 58.5 (37)	0.014	0.537	0.000	0.030	0.000	0.552	1.050	4.8.2 ✓
L38	58.5 - 58.25 (38)	0.016	0.610	0.000	0.034	0.000	0.628	1.050	4.8.2 ✓
L39	58.25 - 53.25 (39)	0.017	0.646	0.000	0.034	0.000	0.664	1.050	4.8.2 ✓
L40	53.25 - 48.25 (40)	0.018	0.683	0.000	0.035	0.000	0.702	1.050	4.8.2 ✓
L41	48.25 - 48 (41)	0.014	0.539	0.000	0.028	0.000	0.554	1.050	4.8.2 ✓
L42	48 - 43 (42)	0.014	0.569	0.000	0.028	0.000	0.584	1.050	4.8.2 ✓
L43	43 - 40 (43)	0.015	0.587	0.000	0.029	0.000	0.602	1.050	4.8.2 ✓
L44	40 - 35 (44)	0.016	0.617	0.000	0.030	0.000	0.634	1.050	4.8.2 ✓
L45	35 - 32.08 (45)	0.016	0.635	0.000	0.030	0.000	0.652	1.050	4.8.2 ✓
L46	32.08 - 31.83 (46)	0.013	0.499	0.000	0.024	0.000	0.512	1.050	4.8.2 ✓
L47	31.83 - 28.75 (47)	0.013	0.514	0.000	0.024	0.000	0.528	1.050	4.8.2 ✓
L48	28.75 - 28.5 (48)	0.016	0.623	0.000	0.029	0.000	0.640	1.050	4.8.2 ✓
L49	28.5 - 23.5 (49)	0.016	0.653	0.000	0.029	0.000	0.671	1.050	4.8.2 ✓

Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L50	23.5 - 18.5 (50)	0.015	0.573	0.000	0.026	0.000	0.589 ✓	1.050	4.8.2 ✓
L51	18.5 - 13.5 (51)	0.016	0.599	0.000	0.026	0.000	0.616 ✓	1.050	4.8.2 ✓
L52	13.5 - 8.5 (52)	0.016	0.626	0.000	0.026	0.000	0.643 ✓	1.050	4.8.2 ✓
L53	8.5 - 3.5 (53)	0.017	0.652	0.000	0.026	0.000	0.670 ✓	1.050	4.8.2 ✓
L54	3.5 - 0 (54)	0.017	0.671	0.000	0.026	0.000	0.689 ✓	1.050	4.8.2 ✓

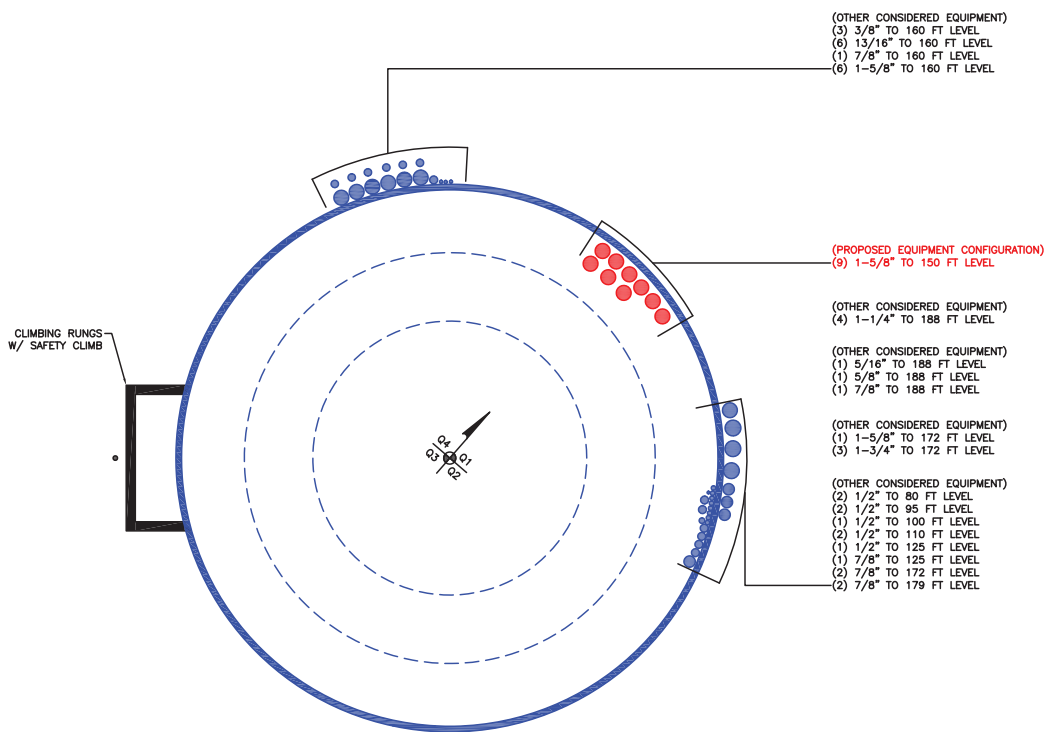
Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	190 - 185	Pole	P30x0.375	1	-3.362	1376.613	1.6	Pass
L2	185 - 180	Pole	P30x0.375	2	-4.708	1376.613	4.3	Pass
L3	180 - 175	Pole	P36x0.375	3	-7.724	1564.605	6.0	Pass
L4	175 - 170	Pole	P36x0.375	4	-13.179	1564.605	9.9	Pass
L5	170 - 165	Pole	P36x0.375	5	-14.160	1564.605	14.6	Pass
L6	165 - 160	Pole	P36x0.375	6	-15.145	1564.605	19.4	Pass
L7	160 - 155	Pole	P42x0.375	7	-22.017	1752.313	21.3	Pass
L8	155 - 150	Pole	P42x0.375	8	-23.219	1752.313	27.1	Pass
L9	150 - 145	Pole	P42x0.375	9	-30.573	1752.313	36.1	Pass
L10	145 - 140	Pole	P42x0.375	10	-31.858	1752.313	44.1	Pass
L11	140 - 135	Pole	P48x0.375	11	-33.278	1939.864	40.9	Pass
L12	135 - 130	Pole	P48x0.375	12	-34.706	1939.864	47.3	Pass
L13	130 - 125	Pole	P48x0.375	13	-36.144	1939.864	53.9	Pass
L14	125 - 120	Pole	P48x0.375	14	-37.763	1939.864	60.6	Pass
L15	120 - 115	Pole	P54x0.375	15	-39.346	2127.300	54.1	Pass
L16	115 - 112.667	Pole	P54x0.375	16	-40.086	2127.300	56.7	Pass
L17	112.667 - 112.417	Pole	P54x0.4875	17	-40.189	2937.028	42.6	Pass
L18	112.417 - 107.417	Pole	P54x0.4875	18	-42.312	2937.028	46.9	Pass
L19	107.417 - 103.33	Pole	P54x0.4875	19	-43.911	2937.028	50.4	Pass
L20	103.33 - 103.08	Pole	P54x0.4875	20	-43.981	2937.028	50.7	Pass
L21	103.08 - 100	Pole	P54x0.4875	21	-45.172	2937.028	53.4	Pass
L22	100 - 95	Pole	P60x0.475	22	-47.300	3080.742	49.0	Pass
L23	95 - 90	Pole	P60x0.475	23	-49.584	3080.742	53.0	Pass
L24	90 - 89.5	Pole	P60x0.475	24	-49.796	3080.742	53.4	Pass
L25	89.5 - 89.25	Pole	P60x0.55625	25	-49.915	3748.888	45.0	Pass
L26	89.25 - 85.5	Pole	P60x0.55625	26	-51.706	3748.888	47.6	Pass
L27	85.5 - 85.25	Pole	P60x0.6375	27	-51.870	4457.827	41.1	Pass
L28	85.25 - 84	Pole	P60x0.6375	28	-52.660	4457.827	41.8	Pass
L29	84 - 83.75	Pole	P60x0.525	29	-52.806	3487.071	52.0	Pass
L30	83.75 - 82.5	Pole	P60x0.525	30	-53.506	3487.071	53.0	Pass
L31	82.5 - 82.25	Pole	P60x0.45	31	-53.640	2883.384	63.0	Pass
L32	82.25 - 80	Pole	P60x0.45	32	-54.788	2883.384	65.0	Pass
L33	80 - 75	Pole	P60x0.575	33	-57.944	3908.877	53.2	Pass
L34	75 - 70	Pole	P60x0.575	34	-60.430	3908.877	56.8	Pass
L35	70 - 65	Pole	P60x0.575	35	-63.034	3908.877	60.4	Pass
L36	65 - 60	Pole	P60x0.575	36	-66.437	3908.877	64.2	Pass
L37	60 - 58.5	Pole	P60x0.7	37	-67.595	5030.802	52.5	Pass
L38	58.5 - 58.25	Pole	P60x0.625	38	-67.784	4346.107	59.8	Pass
L39	58.25 - 53.25	Pole	P60x0.625	39	-70.993	4346.107	63.3	Pass
L40	53.25 - 48.25	Pole	P60x0.625	40	-73.724	4346.107	66.8	Pass
L41	48.25 - 48	Pole	P60x0.775	41	-73.892	5723.182	52.7	Pass
L42	48 - 43	Pole	P60x0.775	42	-77.838	5723.182	55.6	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L43	43 - 40	Pole	P60x0.775	43	-80.759	5723.182	57.4	Pass
L44	40 - 35	Pole	P60x0.775	44	-85.552	5723.182	60.3	Pass
L45	35 - 32.08	Pole	P60x0.775	45	-87.433	5723.182	62.1	Pass
L46	32.08 - 31.83	Pole	P60x0.9625	46	-87.638	7085.326	48.8	Pass
L47	31.83 - 28.75	Pole	P60x0.9625	47	-90.015	7085.326	50.2	Pass
L48	28.75 - 28.5	Pole	P60x0.8125	48	-90.190	5996.319	61.0	Pass
L49	28.5 - 23.5	Pole	P60x0.8125	49	-94.111	5996.319	63.9	Pass
L50	23.5 - 18.5	Pole	P60x0.95	50	-99.758	6994.785	56.1	Pass
L51	18.5 - 13.5	Pole	P60x0.95	51	-104.875	6994.785	58.7	Pass
L52	13.5 - 8.5	Pole	P60x0.95	52	-108.732	6994.785	61.2	Pass
L53	8.5 - 3.5	Pole	P60x0.95	53	-112.559	6994.785	63.8	Pass
L54	3.5 - 0	Pole	P60x0.95	54	-115.240	6994.785	65.6	Pass
							Summary	
							Pole (L40)	66.8 Pass
							RATING =	66.8 Pass

***NOTE: Above stress ratios for reinforced sections are approximate. More exact calculations are presented in Appendix C.**

APPENDIX B
BASE LEVEL DRAWING



APPENDIX C

ADDITIONAL CALCULATIONS

Site BU: 829046
Work Order: 2265139

Pole Geometry

Copyright © 2019 Crown Castle

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	190	10		0	30	30	0.375		A53-B-42
2	180	20		0	36.00	36	0.375		A53-B-42
3	160	20		0	42.00	42	0.375		A53-B-42
4	140	20		0	48.00	48	0.375		A53-B-42
5	120	20		0	54.00	54	0.375		A53-B-42
6	100	20		0	60.00	60	0.375		A53-B-42
7	80	20		0	60.00	60	0.5		A53-B-42
8	60	20		0	60.00	60	0.625		A53-B-42
9	40	20		0	60.00	60	0.625		A53-B-42
10	20	20		0	60.00	60	0.75		A53-B-42

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	0	32.08	plate	MS-850 (1.1875")	3	0					120						240						
2	28.75	48.25	plate	MS-650 (1.1875")	3		24						144						264				
3	58.5	85.5	plate	MS-450 (1.1875")	3	0					120						240						
4	84	103.33	plate	MS-600 (1.1875")	3	20					140								260				
5	103.33	112.667	plate	MS-600 (1.1875")	3	0					120						240						
6	82.5	89.5	plate	MS-450 (1.1875")	3					90						210						330	
7																							
8																							
9																							
10																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in ²)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in ²)	Bolt Hole Size (in)	Reinforcement Material
1	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	45	PC 8.8 - M20 (100)	45.000	17.250	9.063	1.1875	A572-65
2	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.250	6.563	1.1875	A572-65
3	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.625	3.250	1.1875	A572-65
4	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
5	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
6	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.625	3.250	1.1875	A572-65

TNX Geometry Input

Increment (ft): 5 [Export to TNX](#)

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	190 - 185	5		0	30.000	30.000	0.375	A53-B-42	1.000
2	185 - 180	5	0	0	30.000	30.000	0.375	A53-B-42	1.000
3	180 - 175	5		0	36.000	36.000	0.375	A53-B-42	1.000
4	175 - 170	5		0	36.000	36.000	0.375	A53-B-42	1.000
5	170 - 165	5		0	36.000	36.000	0.375	A53-B-42	1.000
6	165 - 160	5	0	0	36.000	36.000	0.375	A53-B-42	1.000
7	160 - 155	5		0	42.000	42.000	0.375	A53-B-42	1.000
8	155 - 150	5		0	42.000	42.000	0.375	A53-B-42	1.000
9	150 - 145	5		0	42.000	42.000	0.375	A53-B-42	1.000
10	145 - 140	5	0	0	42.000	42.000	0.375	A53-B-42	1.000
11	140 - 135	5		0	48.000	48.000	0.375	A53-B-42	1.000
12	135 - 130	5		0	48.000	48.000	0.375	A53-B-42	1.000
13	130 - 125	5		0	48.000	48.000	0.375	A53-B-42	1.000
14	125 - 120	5	0	0	48.000	48.000	0.375	A53-B-42	1.000
15	120 - 115	5		0	54.000	54.000	0.375	A53-B-42	1.000
16	115 - 112.667	2.333		0	54.000	54.000	0.375	A53-B-42	1.000
17	112.667 - 112.417	0.25		0	54.000	54.000	0.4875	A53-B-42	0.990
18	112.417 - 107.417	5		0	54.000	54.000	0.4875	A53-B-42	0.990
19	107.417 - 103.33	4.087		0	54.000	54.000	0.4875	A53-B-42	0.990
20	103.33 - 103.08	0.25		0	54.000	54.000	0.4875	A53-B-42	0.990
21	103.08 - 100	3.08	0	0	54.000	54.000	0.4875	A53-B-42	0.990
22	100 - 95	5		0	60.000	60.000	0.475	A53-B-42	0.993
23	95 - 90	5		0	60.000	60.000	0.475	A53-B-42	0.993
24	90 - 89.5	0.5		0	60.000	60.000	0.475	A53-B-42	0.993
25	89.5 - 89.25	0.25		0	60.000	60.000	0.55625	A53-B-42	0.979
26	89.25 - 85.5	3.75		0	60.000	60.000	0.55625	A53-B-42	0.979
27	85.5 - 85.25	0.25		0	60.000	60.000	0.6375	A53-B-42	0.969
28	85.25 - 84	1.25		0	60.000	60.000	0.6375	A53-B-42	0.969
29	84 - 83.75	0.25		0	60.000	60.000	0.525	A53-B-42	0.991
30	83.75 - 82.5	1.25		0	60.000	60.000	0.525	A53-B-42	0.991
31	82.5 - 82.25	0.25		0	60.000	60.000	0.45	A53-B-42	0.995
32	82.25 - 80	2.25	0	0	60.000	60.000	0.45	A53-B-42	0.995
33	80 - 75	5		0	60.000	60.000	0.575	A53-B-42	0.996
34	75 - 70	5		0	60.000	60.000	0.575	A53-B-42	0.996
35	70 - 65	5		0	60.000	60.000	0.575	A53-B-42	0.996
36	65 - 60	5	0	0	60.000	60.000	0.575	A53-B-42	0.996
37	60 - 58.5	1.5		0	60.000	60.000	0.7	A53-B-42	0.998
38	58.5 - 58.25	0.25		0	60.000	60.000	0.625	A53-B-42	1.000
39	58.25 - 53.25	5		0	60.000	60.000	0.625	A53-B-42	1.000
40	53.25 - 48.25	5		0	60.000	60.000	0.625	A53-B-42	1.000
41	48.25 - 48	0.25		0	60.000	60.000	0.775	A53-B-42	0.978
42	48 - 43	5		0	60.000	60.000	0.775	A53-B-42	0.978
43	43 - 40	3	0	0	60.000	60.000	0.775	A53-B-42	0.978
44	40 - 35	5		0	60.000	60.000	0.775	A53-B-42	0.978
45	35 - 32.08	2.92		0	60.000	60.000	0.775	A53-B-42	0.978
46	32.08 - 31.83	0.25		0	60.000	60.000	0.9625	A53-B-42	0.968
47	31.83 - 28.75	3.08		0	60.000	60.000	0.9625	A53-B-42	0.968
48	28.75 - 28.5	0.25		0	60.000	60.000	0.8125	A53-B-42	0.983
49	28.5 - 23.5	5	0	0	60.000	60.000	0.8125	A53-B-42	0.983
50	23.5 - 18.5	5		0	60.000	60.000	0.95	A53-B-42	0.973
51	18.5 - 13.5	5		0	60.000	60.000	0.95	A53-B-42	0.973
52	13.5 - 8.5	5		0	60.000	60.000	0.95	A53-B-42	0.973
53	8.5 - 3.5	5		0	60.000	60.000	0.95	A53-B-42	0.973
54	3.5 - 0	3.5		0	60.000	60.000	0.95	A53-B-42	0.973

TNX Section Forces

Increment (ft): 5		TNX Output		
	Section Height (ft)	P _u (K)	M _{ux} (kip-ft)	V _u (K)
1	190 - 185	3.36	13.47	3.48
2	185 - 180	4.71	39.25	4.99
3	180 - 175	7.72	77.65	7.86
4	175 - 170	13.18	126.21	12.71
5	170 - 165	14.16	191.08	13.23
6	165 - 160	15.15	258.50	13.73
7	160 - 155	22.02	374.14	21.20
8	155 - 150	23.22	481.52	21.77
9	150 - 145	30.57	639.75	29.51
10	145 - 140	31.86	788.58	30.04
11	140 - 135	33.28	940.26	30.65
12	135 - 130	34.71	1094.96	31.25
13	130 - 125	36.14	1252.57	31.82
14	125 - 120	37.76	1414.17	32.57
15	120 - 115	39.35	1578.54	33.21
16	115 - 112.667	40.09	1656.31	33.50
17	112.667 - 112.417	40.19	1664.68	33.52
18	112.417 - 107.417	42.31	1835.27	34.40
19	107.417 - 103.33	43.91	1976.81	34.90
20	103.33 - 103.08	44.01	1985.54	34.96
21	103.08 - 100	45.17	2095.77	36.19
22	100 - 95	47.30	2278.74	36.94
23	95 - 90	49.58	2466.73	37.79
24	90 - 89.5	49.80	2485.65	37.92
25	89.5 - 89.25	49.92	2495.14	37.98
26	89.25 - 85.5	51.71	2639.47	38.98
27	85.5 - 85.25	51.87	2649.22	39.05
28	85.25 - 84	52.66	2698.26	39.40
29	84 - 83.75	52.81	2708.12	39.46
30	83.75 - 82.5	53.51	2757.66	39.81
31	82.5 - 82.25	53.64	2767.63	39.87
32	82.25 - 80	54.79	2857.98	40.44
33	80 - 75	57.94	3063.59	41.27
34	75 - 70	60.43	3271.62	42.45
35	70 - 65	63.03	3485.25	43.01
36	65 - 60	66.44	3703.16	44.16
37	60 - 58.5	67.60	3769.66	44.52
38	58.5 - 58.25	67.78	3780.80	44.56
39	58.25 - 53.25	70.99	4004.88	45.07
40	53.25 - 48.25	73.72	4231.38	45.54
41	48.25 - 48	73.89	4242.76	45.55
42	48 - 43	77.84	4473.13	46.60
43	43 - 40	80.76	4613.87	47.24
44	40 - 35	85.55	4852.58	48.26
45	35 - 32.08	87.43	4994.22	48.79
46	32.08 - 31.83	87.64	5006.42	48.81
47	31.83 - 28.75	90.01	5157.62	49.37
48	28.75 - 28.5	90.19	5169.96	49.40
49	28.5 - 23.5	94.11	5419.13	50.27
50	23.5 - 18.5	99.76	5672.72	51.19
51	18.5 - 13.5	104.87	5930.75	52.04
52	13.5 - 8.5	108.73	6191.65	52.33
53	8.5 - 3.5	112.56	6453.98	52.59
54	3.5 - 0	115.24	6638.36	52.76

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
190 - 185	Pole	TP30x30x0.375	Pole	1.6%	Pass
185 - 180	Pole	TP30x30x0.375	Pole	4.3%	Pass
180 - 175	Pole	TP36x36x0.375	Pole	6.0%	Pass
175 - 170	Pole	TP36x36x0.375	Pole	9.9%	Pass
170 - 165	Pole	TP36x36x0.375	Pole	14.6%	Pass
165 - 160	Pole	TP36x36x0.375	Pole	19.4%	Pass
160 - 155	Pole	TP42x42x0.375	Pole	21.3%	Pass
155 - 150	Pole	TP42x42x0.375	Pole	27.1%	Pass
150 - 145	Pole	TP42x42x0.375	Pole	36.1%	Pass
145 - 140	Pole	TP42x42x0.375	Pole	44.1%	Pass
140 - 135	Pole	TP48x48x0.375	Pole	40.7%	Pass
135 - 130	Pole	TP48x48x0.375	Pole	47.1%	Pass
130 - 125	Pole	TP48x48x0.375	Pole	53.7%	Pass
125 - 120	Pole	TP48x48x0.375	Pole	60.4%	Pass
120 - 115	Pole	TP54x54x0.375	Pole	53.9%	Pass
115 - 112.67	Pole	TP54x54x0.375	Pole	56.4%	Pass
112.67 - 112.42	Pole + Reinf.	TP54x54x0.4875	Pole	43.3%	Pass
112.42 - 107.42	Pole + Reinf.	TP54x54x0.4875	Pole	47.6%	Pass
107.42 - 103.33	Pole + Reinf.	TP54x54x0.4875	Pole	51.2%	Pass
103.33 - 103.08	Pole + Reinf.	TP54x54x0.4875	Pole	51.5%	Pass
103.08 - 100	Pole + Reinf.	TP54x54x0.4875	Pole	54.3%	Pass
100 - 95	Pole + Reinf.	TP60x60x0.475	Pole	49.5%	Pass
95 - 90	Pole + Reinf.	TP60x60x0.475	Pole	53.5%	Pass
90 - 89.5	Pole + Reinf.	TP60x60x0.475	Pole	53.9%	Pass
89.5 - 89.25	Pole + Reinf.	TP60x60x0.5563	Pole	46.6%	Pass
89.25 - 85.5	Pole + Reinf.	TP60x60x0.5563	Pole	49.3%	Pass
85.5 - 85.25	Pole + Reinf.	TP60x60x0.6375	Pole	43.5%	Pass
85.25 - 84	Pole + Reinf.	TP60x60x0.6375	Pole	44.3%	Pass
84 - 83.75	Pole + Reinf.	TP60x60x0.525	Pole	53.1%	Pass
83.75 - 82.5	Pole + Reinf.	TP60x60x0.525	Pole	54.0%	Pass
82.5 - 82.25	Pole + Reinf.	TP60x60x0.45	Pole	63.4%	Pass
82.25 - 80	Pole + Reinf.	TP60x60x0.45	Pole	65.5%	Pass
80 - 75	Pole + Reinf.	TP60x60x0.575	Reinf. 3 Compression	53.8%	Pass
75 - 70	Pole + Reinf.	TP60x60x0.575	Reinf. 3 Compression	57.4%	Pass
70 - 65	Pole + Reinf.	TP60x60x0.575	Reinf. 3 Compression	61.2%	Pass
65 - 60	Pole + Reinf.	TP60x60x0.575	Reinf. 3 Compression	65.0%	Pass
60 - 58.5	Pole + Reinf.	TP60x60x0.7	Reinf. 3 Compression	54.6%	Pass
58.5 - 58.25	Pole	TP60x60x0.625	Pole	59.8%	Pass
58.25 - 53.25	Pole	TP60x60x0.625	Pole	63.3%	Pass
53.25 - 48.25	Pole	TP60x60x0.625	Pole	66.8%	Pass
48.25 - 48	Pole + Reinf.	TP60x60x0.775	Pole	54.7%	Pass
48 - 43	Pole + Reinf.	TP60x60x0.775	Pole	57.6%	Pass
43 - 40	Pole + Reinf.	TP60x60x0.775	Pole	59.4%	Pass
40 - 35	Pole + Reinf.	TP60x60x0.775	Pole	62.5%	Pass
35 - 32.08	Pole + Reinf.	TP60x60x0.775	Pole	64.3%	Pass
32.08 - 31.83	Pole + Reinf.	TP60x60x0.9625	Pole	52.0%	Pass
31.83 - 28.75	Pole + Reinf.	TP60x60x0.9625	Pole	53.5%	Pass
28.75 - 28.5	Pole + Reinf.	TP60x60x0.8125	Pole	63.0%	Pass
28.5 - 23.5	Pole + Reinf.	TP60x60x0.8125	Pole	66.0%	Pass
23.5 - 18.5	Pole + Reinf.	TP60x60x0.95	Pole	58.6%	Pass
18.5 - 13.5	Pole + Reinf.	TP60x60x0.95	Pole	61.3%	Pass
13.5 - 8.5	Pole + Reinf.	TP60x60x0.95	Pole	64.0%	Pass
8.5 - 3.5	Pole + Reinf.	TP60x60x0.95	Pole	66.7%	Pass
3.5 - 0	Pole + Reinf.	TP60x60x0.95	Pole	68.6%	Pass
				Summary	
			Pole	68.6%	Pass
			Reinforcement	65.0%	Pass
			Overall	68.6%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in ⁴)			Area (in ²)			% Capacity* (100% Max. Allowable)							
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5	R6	
190 - 185	3829	n/a	3829	34.90	n/a	34.90	1.6%							
185 - 180	3829	n/a	3829	34.90	n/a	34.90	4.3%							
180 - 175	6659	n/a	6659	41.97	n/a	41.97	6.0%							
175 - 170	6659	n/a	6659	41.97	n/a	41.97	9.9%							
170 - 165	6659	n/a	6659	41.97	n/a	41.97	14.6%							
165 - 160	6659	n/a	6659	41.97	n/a	41.97	19.4%							
160 - 155	10622	n/a	10622	49.04	n/a	49.04	21.3%							
155 - 150	10622	n/a	10622	49.04	n/a	49.04	27.1%							
150 - 145	10622	n/a	10622	49.04	n/a	49.04	36.1%							
145 - 140	10622	n/a	10622	49.04	n/a	49.04	44.1%							
140 - 135	15908	n/a	15908	56.11	n/a	56.11	40.7%							
135 - 130	15908	n/a	15908	56.11	n/a	56.11	47.1%							
130 - 125	15908	n/a	15908	56.11	n/a	56.11	53.7%							
125 - 120	15908	n/a	15908	56.11	n/a	56.11	60.4%							
120 - 115	22710	n/a	22710	63.18	n/a	63.18	53.9%							
115 - 112.67	22710	n/a	22710	63.18	n/a	63.18	56.4%							
112.67 - 112.42	22710	6834	29544	63.18	18.00	81.18	43.3%					38.7%		
112.42 - 107.42	22710	6834	29544	63.18	18.00	81.18	47.6%					42.6%		
107.42 - 103.33	22710	6834	29544	63.18	18.00	81.18	51.2%					45.8%		
103.33 - 103.08	22710	6834	29544	63.18	18.00	81.18	51.5%				46.0%			
103.08 - 100	22710	6834	29544	63.18	18.00	81.18	54.3%				48.5%			
100 - 95	31217	8400	39617	70.24	18.00	88.24	49.5%				43.8%			
95 - 90	31217	8400	39617	70.24	18.00	88.24	53.5%				47.3%			
90 - 89.5	31217	8400	39617	70.24	18.00	88.24	53.9%				47.7%			
89.5 - 89.25	31217	14691	45908	70.24	31.50	101.74	46.6%				41.2%		45.5%	
89.25 - 85.5	31217	14691	45908	70.24	31.50	101.74	49.3%				43.6%		48.1%	
85.5 - 85.25	31217	20982	52199	70.24	45.00	115.24	43.5%			42.5%	38.5%		42.5%	
85.25 - 84	31217	20982	52199	70.24	45.00	115.24	44.3%			43.2%	39.2%		43.2%	
84 - 83.75	31217	12582	43799	70.24	27.00	97.24	53.1%			51.8%			51.8%	
83.75 - 82.5	31217	12582	43799	70.24	27.00	97.24	54.0%			52.8%			52.8%	
82.5 - 82.25	31217	6291	37508	70.24	13.50	83.74	63.4%			62.0%				
82.25 - 80	31217	6291	37508	70.24	13.50	83.74	65.5%			64.0%				
80 - 75	41363	6291	47654	93.46	13.50	106.96	53.7%			53.8%				
75 - 70	41363	6291	47654	93.46	13.50	106.96	57.3%			57.4%				
70 - 65	41363	6291	47654	93.46	13.50	106.96	61.0%			61.2%				
65 - 60	41363	6291	47654	93.46	13.50	106.96	64.8%			65.0%				
60 - 58.5	51381	6291	57672	116.58	13.50	130.08	53.0%			54.6%				
58.5 - 58.25	51381	n/a	51381	116.58	n/a	116.58	59.8%							
58.25 - 53.25	51381	n/a	51381	116.58	n/a	116.58	63.3%							
53.25 - 48.25	51381	n/a	51381	116.58	n/a	116.58	66.8%							
48.25 - 48	51381	11475	62856	116.58	24.38	140.96	54.7%		50.1%					
48 - 43	51381	11475	62856	116.58	24.38	140.96	57.6%		52.8%					
43 - 40	51381	11475	62856	116.58	24.38	140.96	59.4%		54.5%					
40 - 35	51381	11475	62856	116.58	24.38	140.96	62.5%		57.3%					
35 - 32.08	51381	11475	62856	116.58	24.38	140.96	64.3%		59.0%					
32.08 - 31.83	51381	26521	77901	116.58	56.25	172.83	52.0%	47.0%	47.6%					
31.83 - 28.75	51381	26521	77901	116.58	56.25	172.83	53.5%	46.8%	49.1%					
28.75 - 28.5	51381	15046	66426	116.58	31.88	148.46	63.0%	55.0%						
28.5 - 23.5	51381	15046	66426	116.58	31.88	148.46	66.0%	57.7%						
23.5 - 18.5	61271	15046	76317	139.60	31.88	171.48	58.6%	52.5%						
18.5 - 13.5	61271	15046	76317	139.60	31.88	171.48	61.3%	54.9%						
13.5 - 8.5	61271	15046	76317	139.60	31.88	171.48	64.0%	57.3%						
8.5 - 3.5	61271	15046	76317	139.60	31.88	171.48	66.7%	59.7%						
3.5 - 0	61271	15046	76317	139.60	31.88	171.48	68.6%	63.6%						

Note: Section capacity checked using 5 degree increments.

*Rating per TIA-222-H Section 15.5.

Monopole Flange Plate Connection

Elevation = 180 ft.



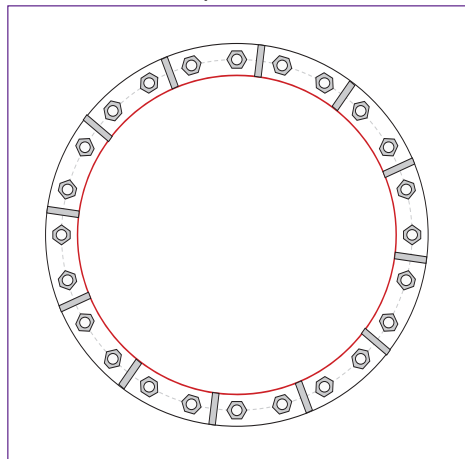
BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	654637 Rev.0

TIA-222 Revision	H
------------------	---

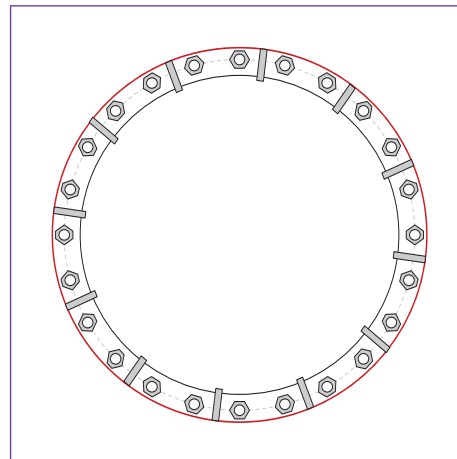
Applied Loads	
Moment (kip-ft)	39.25
Axial Force (kips)	4.71
Shear Force (kips)	4.99

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(24) 1" $\varnothing$ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 33" BC

Top Plate Data

36" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(12) 5"H x 3"W x 0.625"T, Notch: 0.5"

plate: Fy= 36 ksi ; weld: Fy= 70 ksi

horiz. weld: 0.375" fillet

vert. weld: 0.375" fillet

Top Pole Data

30" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Plate Data

30" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

(12) 5"H x 3"W x 0.625"T, Notch: 0.5"

plate: Fy= 36 ksi ; weld: Fy= 70 ksi

horiz. weld: 0.375" fillet

vert. weld: 0.375" fillet

Bottom Pole Data

36" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	2.18
Allowable (kips)	54.54
Stress Rating:	3.8%

Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirol OK
Tension Side Stress Rating:	Pirol OK

Top Stiffener Capacity

Horizontal Weld:	Pirol OK
Vertical Weld:	Pirol OK
Plate Flexure+Shear:	Pirol OK
Plate Tension+Shear:	Pirol OK
Plate Compression:	Pirol OK

Top Pole Capacity

Punching Shear:	Pirol OK
-----------------	----------

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirol OK
Tension Side Stress Rating:	Pirol OK

Bottom Stiffener Capacity

Horizontal Weld:	Pirol OK
Vertical Weld:	Pirol OK
Plate Flexure+Shear:	Pirol OK
Plate Tension+Shear:	Pirol OK
Plate Compression:	Pirol OK

Bottom Pole Capacity

Punching Shear:	Pirol OK
-----------------	----------

Monopole Flange Plate Connection

Elevation = 160 ft.



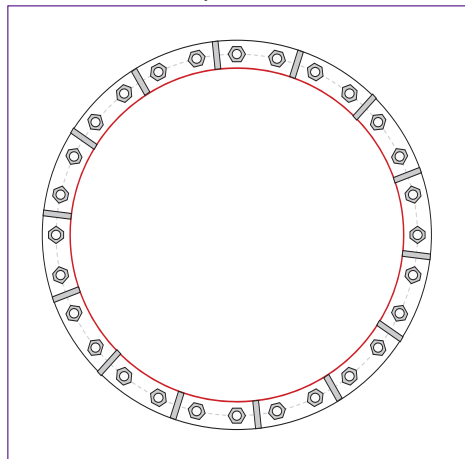
BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	654637 Rev.0

TIA-222 Revision	H
------------------	---

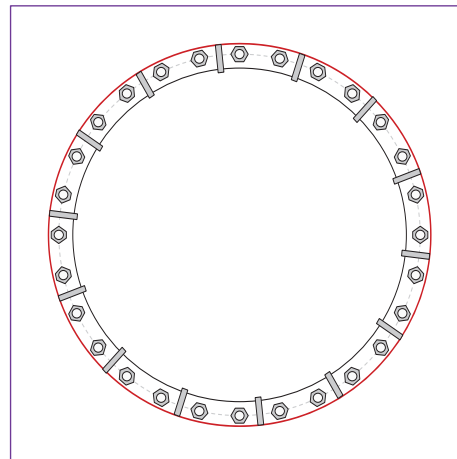
Applied Loads	
Moment (kip-ft)	258.50
Axial Force (kips)	15.15
Shear Force (kips)	13.73

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(28) 1" $\emptyset$ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 39" BC

Top Plate Data

42" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(14) 5"H x 3"W x 0.625"T, Notch: 0.5"

plate: Fy= 36 ksi ; weld: Fy= 70 ksi

horiz. weld: 0.375" fillet

vert. weld: 0.375" fillet

Top Pole Data

36" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Plate Data

36" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

(14) 5"H x 3"W x 0.625"T, Notch: 0.5"

plate: Fy= 36 ksi ; weld: Fy= 70 ksi

horiz. weld: 0.375" fillet

vert. weld: 0.375" fillet

Bottom Pole Data

42" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	10.82
Allowable (kips)	54.53
Stress Rating:	18.9% Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirol OK
Tension Side Stress Rating:	Pirol OK

Top Stiffener Capacity

Horizontal Weld:	Pirol OK
Vertical Weld:	Pirol OK
Plate Flexure+Shear:	Pirol OK
Plate Tension+Shear:	Pirol OK
Plate Compression:	Pirol OK

Top Pole Capacity

Punching Shear:	Pirol OK
-----------------	----------

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirol OK
Tension Side Stress Rating:	Pirol OK

Bottom Stiffener Capacity

Horizontal Weld:	Pirol OK
Vertical Weld:	Pirol OK
Plate Flexure+Shear:	Pirol OK
Plate Tension+Shear:	Pirol OK
Plate Compression:	Pirol OK

Bottom Pole Capacity

Punching Shear:	Pirol OK
-----------------	----------

Monopole Flange Plate Connection

Elevation = 140 ft.



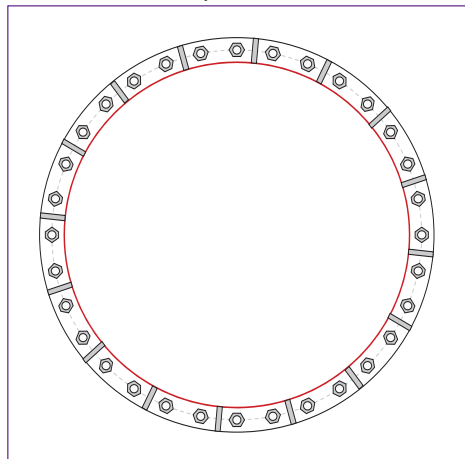
BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	654637 Rev.0

TIA-222 Revision	H
------------------	---

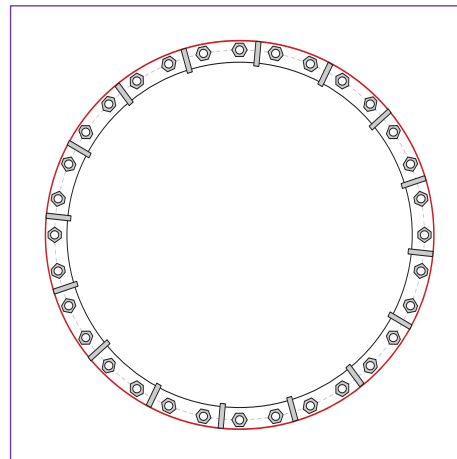
Applied Loads	
Moment (kip-ft)	788.58
Axial Force (kips)	31.86
Shear Force (kips)	30.04

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(32) 1" $\varnothing$ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 45" BC

Top Plate Data

48" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(16) 5"H x 3"W x 0.625"T, Notch: 0.5"

plate: Fy= 36 ksi ; weld: Fy= 70 ksi

horiz. weld: 0.375" fillet

vert. weld: 0.375" fillet

Top Pole Data

42" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Plate Data

42" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

(16) 5"H x 3"W x 0.625"T, Notch: 0.5"

plate: Fy= 36 ksi ; weld: Fy= 70 ksi

horiz. weld: 0.375" fillet

vert. weld: 0.375" fillet

Bottom Pole Data

48" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	25.29
Allowable (kips)	54.52
Stress Rating:	44.2% Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirol OK
Tension Side Stress Rating:	Pirol OK

Top Stiffener Capacity

Horizontal Weld:	Pirol OK
Vertical Weld:	Pirol OK
Plate Flexure+Shear:	Pirol OK
Plate Tension+Shear:	Pirol OK
Plate Compression:	Pirol OK

Top Pole Capacity

Punching Shear:	Pirol OK
-----------------	----------

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirol OK
Tension Side Stress Rating:	Pirol OK

Bottom Stiffener Capacity

Horizontal Weld:	Pirol OK
Vertical Weld:	Pirol OK
Plate Flexure+Shear:	Pirol OK
Plate Tension+Shear:	Pirol OK
Plate Compression:	Pirol OK

Bottom Pole Capacity

Punching Shear:	Pirol OK
-----------------	----------

Monopole Flange Plate Connection

Elevation = 120 ft.



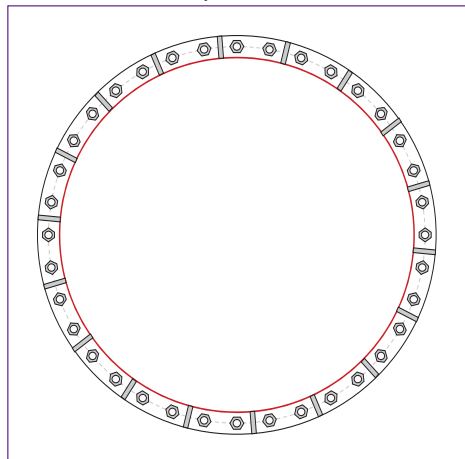
BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	654637 Rev.0

TIA-222 Revision	H
------------------	---

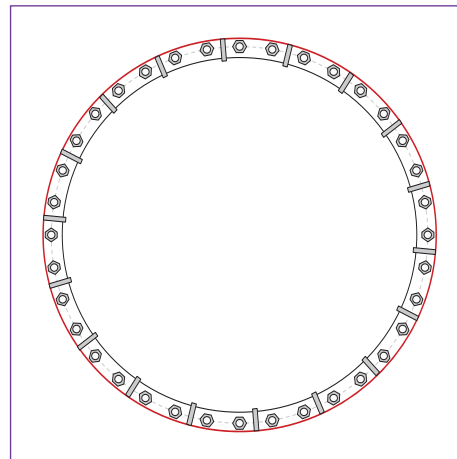
Applied Loads	
Moment (kip-ft)	1414.17
Axial Force (kips)	37.76
Shear Force (kips)	32.57

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(36) 1" $\emptyset$ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 51" BC

Top Plate Data

54" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(18) 5"H x 3"W x 0.625"T, Notch: 0.5"

plate: Fy= 36 ksi ; weld: Fy= 70 ksi

horiz. weld: 0.375" fillet

vert. weld: 0.375" fillet

Top Pole Data

48" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Plate Data

48" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

(18) 5"H x 3"W x 0.625"T, Notch: 0.5"

plate: Fy= 36 ksi ; weld: Fy= 70 ksi

horiz. weld: 0.375" fillet

vert. weld: 0.375" fillet

Bottom Pole Data

54" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	35.92
Allowable (kips)	54.52
Stress Rating:	62.7% Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirol OK
Tension Side Stress Rating:	Pirol OK

Top Stiffener Capacity

Horizontal Weld:	Pirol OK
Vertical Weld:	Pirol OK
Plate Flexure+Shear:	Pirol OK
Plate Tension+Shear:	Pirol OK
Plate Compression:	Pirol OK

Top Pole Capacity

Punching Shear:	Pirol OK
-----------------	----------

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	Pirol OK
Tension Side Stress Rating:	Pirol OK

Bottom Stiffener Capacity

Horizontal Weld:	Pirol OK
Vertical Weld:	Pirol OK
Plate Flexure+Shear:	Pirol OK
Plate Tension+Shear:	Pirol OK
Plate Compression:	Pirol OK

Bottom Pole Capacity

Punching Shear:	Pirol OK
-----------------	----------

Monopole Flange Plate Connection

Elevation = 100 ft.



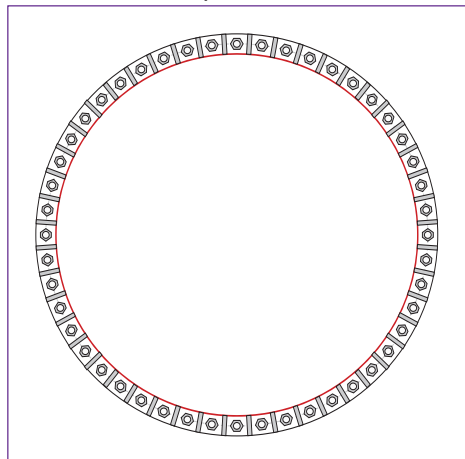
BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	654637 Rev.0

TIA-222 Revision	H
------------------	---

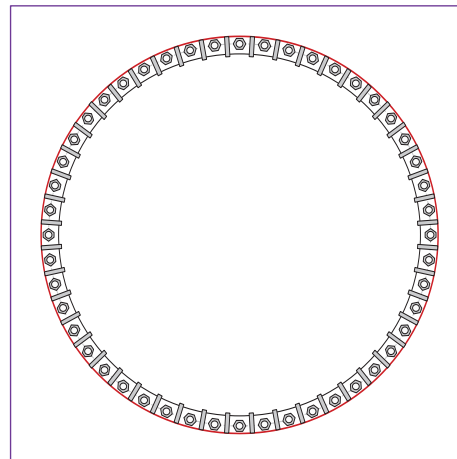
Applied Loads	
Moment (kip-ft)	2095.77
Axial Force (kips)	45.17
Shear Force (kips)	36.19

*TIA-222-H Section 15.5 Applied

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(48) 1" $\emptyset$ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 57" BC

Top Plate Data

60" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(48) 5"H x 3"W x 0.625"T, Notch: 0.5"

plate: Fy= 36 ksi ; weld: Fy= 70 ksi

horiz. weld: 0.375" fillet

vert. weld: 0.375" fillet

Top Pole Data

54" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Plate Data

54" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

(48) 5"H x 3"W x 0.625"T, Notch: 0.5"

plate: Fy= 36 ksi ; weld: Fy= 70 ksi

horiz. weld: 0.375" fillet

vert. weld: 0.375" fillet

Bottom Pole Data

60" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	35.82
Allowable (kips)	54.53
Stress Rating:	62.6% Pass

Top Plate Capacity

Max Stress (ksi):	5.03	(Shear)
Allowable Stress (ksi):	21.60	
Stress Rating:	22.2%	Pass
Tension Side Stress Rating:	N/A	

Top Stiffener Capacity

Horizontal Weld:	55.4%	Pass
Vertical Weld:	37.6%	Pass
Plate Flexure+Shear:	33.3%	Pass
Plate Tension+Shear:	51.0%	Pass
Plate Compression:	71.4%	Pass

Top Pole Capacity

Punching Shear:	22.8%	Pass
-----------------	-------	------

Bottom Plate Capacity

Max Stress (ksi):	5.75	(Shear)
Allowable Stress (ksi):	21.60	
Stress Rating:	25.3%	Pass
Tension Side Stress Rating:	N/A	

Bottom Stiffener Capacity

Horizontal Weld:	50.5%	Pass
Vertical Weld:	28.3%	Pass
Plate Flexure+Shear:	22.6%	Pass
Plate Tension+Shear:	45.1%	Pass
Plate Compression:	56.6%	Pass

Bottom Pole Capacity

Punching Shear:	16.2%	Pass
-----------------	-------	------

Monopole Flange Plate Connection

Elevation = 80 ft.

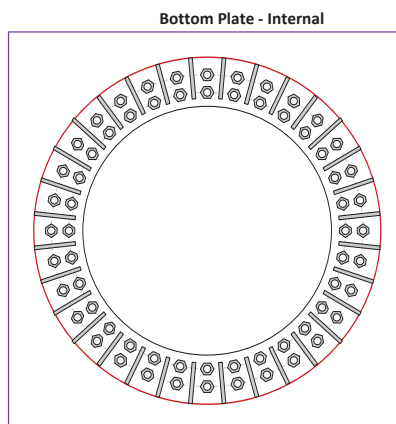
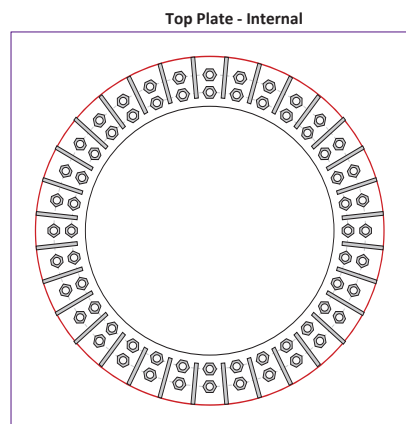


BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	654637 Rev.0

TIA-222 Revision	H
------------------	---

Applied Loads to Flange Connections		Applied Loads to Bridge Stiffeners	
Moment (kip-ft)	1736.65	Moment (kip-ft)	1121.33
Axial Force (kips)	54.79	Axial Force (kips)	0.00
Shear Force (kips)	40.44	Shear Force (kips)	0.00

*TIA-222-H Section 15.5 Applied



Connection Properties

Bolt Data

GROUP 1: (32) 1-1/4" $\varnothing$ bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 53" BC
GROUP 2: (32) 1-1/4" $\varnothing$ bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 47" BC

Top Plate Data

42.25" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Top Pole Data

60" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 1 Data

(6) Bolted, 4.5"x1", A572-65, Lu=20.625", Neglect Flange in MOI: No

Bottom Plate Data

42.25" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Bottom Pole Data

60" x 0.5" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	26.65
Allowable (kips)	87.20
Stress Rating:	29.1% Pass

Top Plate Capacity

Max Stress (ksi):	14.56	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	42.8%	Pass
Tension Side Stress Rating:	N/A	

Top Stiffener Capacity

Horizontal Weld:	30.5%	Pass
Vertical Weld:	26.6%	Pass
Plate Flexure+Shear:	21.4%	Pass
Plate Tension+Shear:	25.5%	Pass
Plate Compression:	52.7%	Pass

Top Pole Capacity

Punching Shear:	17.2%	Pass
-----------------	-------	------

Bridge Stiffener Group 1 Analysis Capacity

Max Compression (kip):	147.06	
Max Tension (kip):	147.06	
Comp. Capacity (kip):	162.05	
Tens. Capacity (kip):	195.00	(Rupture)
Comp. Stress Rating:	86.4%	Pass
Tens. Stress Rating:	71.8%	Pass

Bottom Plate Capacity

Max Stress (ksi):	14.56	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	42.8%	Pass
Tension Side Stress Rating:	N/A	

Bottom Stiffener Capacity

Horizontal Weld:	26.9%	Pass
Vertical Weld:	23.5%	Pass
Plate Flexure+Shear:	18.3%	Pass
Plate Tension+Shear:	22.1%	Pass
Plate Compression:	46.5%	Pass

Bottom Pole Capacity

Punching Shear:	11.4%	Pass
-----------------	-------	------

Elevation (ft)		80	(Flange)
Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes
2	Yes	Yes	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Use Factor, ϕ_c	L (in)	Thread Type	Area Override, in ²	Tension Only
1	1	11.25	1.25	A325	53	0.5	0	N-Included		No
2	1	11.25	1.25	A325	53	0.5	0	N-Included		No
3	1	22.5	1.25	A325	53	0.5	0	N-Included		No
4	1	33.75	1.25	A325	53	0.5	0	N-Included		No
5	1	45	1.25	A325	53	0.5	0	N-Included		No
6	1	56.25	1.25	A325	53	0.5	0	N-Included		No
7	1	67.5	1.25	A325	53	0.5	0	N-Included		No
8	1	78.75	1.25	A325	53	0.5	0	N-Included		No
9	1	90	1.25	A325	53	0.5	0	N-Included		No
10	1	101.25	1.25	A325	53	0.5	0	N-Included		No
11	1	112.5	1.25	A325	53	0.5	0	N-Included		No
12	1	123.75	1.25	A325	53	0.5	0	N-Included		No
13	1	135	1.25	A325	53	0.5	0	N-Included		No
14	1	146.25	1.25	A325	53	0.5	0	N-Included		No
15	1	157.5	1.25	A325	53	0.5	0	N-Included		No
16	1	168.75	1.25	A325	53	0.5	0	N-Included		No
17	1	180	1.25	A325	53	0.5	0	N-Included		No
18	1	191.25	1.25	A325	53	0.5	0	N-Included		No
19	1	202.5	1.25	A325	53	0.5	0	N-Included		No
20	1	213.75	1.25	A325	53	0.5	0	N-Included		No
21	1	225	1.25	A325	53	0.5	0	N-Included		No
22	1	236.25	1.25	A325	53	0.5	0	N-Included		No
23	1	247.5	1.25	A325	53	0.5	0	N-Included		No
24	1	258.75	1.25	A325	53	0.5	0	N-Included		No
25	1	270	1.25	A325	53	0.5	0	N-Included		No
26	1	281.25	1.25	A325	53	0.5	0	N-Included		No
27	1	292.5	1.25	A325	53	0.5	0	N-Included		No
28	1	303.75	1.25	A325	53	0.5	0	N-Included		No
29	1	315	1.25	A325	53	0.5	0	N-Included		No
30	1	326.25	1.25	A325	53	0.5	0	N-Included		No
31	1	337.5	1.25	A325	53	0.5	0	N-Included		No
32	1	348.75	1.25	A325	53	0.5	0	N-Included		No
33	2	11.25	1.25	A325	47	0.5	0	N-Included		No
34	2	11.25	1.25	A325	47	0.5	0	N-Included		No
35	2	22.5	1.25	A325	47	0.5	0	N-Included		No
36	2	33.75	1.25	A325	47	0.5	0	N-Included		No
37	2	45	1.25	A325	47	0.5	0	N-Included		No
38	2	56.25	1.25	A325	47	0.5	0	N-Included		No
39	2	67.5	1.25	A325	47	0.5	0	N-Included		No
40	2	78.75	1.25	A325	47	0.5	0	N-Included		No
41	2	90	1.25	A325	47	0.5	0	N-Included		No
42	2	101.25	1.25	A325	47	0.5	0	N-Included		No
43	2	112.5	1.25	A325	47	0.5	0	N-Included		No
44	2	123.75	1.25	A325	47	0.5	0	N-Included		No
45	2	135	1.25	A325	47	0.5	0	N-Included		No
46	2	146.25	1.25	A325	47	0.5	0	N-Included		No
47	2	157.5	1.25	A325	47	0.5	0	N-Included		No
48	2	168.75	1.25	A325	47	0.5	0	N-Included		No
49	2	180	1.25	A325	47	0.5	0	N-Included		No
50	2	191.25	1.25	A325	47	0.5	0	N-Included		No
51	2	202.5	1.25	A325	47	0.5	0	N-Included		No
52	2	213.75	1.25	A325	47	0.5	0	N-Included		No
53	2	225	1.25	A325	47	0.5	0	N-Included		No
54	2	236.25	1.25	A325	47	0.5	0	N-Included		No
55	2	247.5	1.25	A325	47	0.5	0	N-Included		No
56	2	258.75	1.25	A325	47	0.5	0	N-Included		No
57	2	270	1.25	A325	47	0.5	0	N-Included		No
58	2	281.25	1.25	A325	47	0.5	0	N-Included		No
59	2	292.5	1.25	A325	47	0.5	0	N-Included		No
60	2	303.75	1.25	A325	47	0.5	0	N-Included		No
61	2	315	1.25	A325	47	0.5	0	N-Included		No
62	2	326.25	1.25	A325	47	0.5	0	N-Included		No
63	2	337.5	1.25	A325	47	0.5	0	N-Included		No
64	2	348.75	1.25	A325	47	0.5	0	N-Included		No

Custom Stiffener Connection - Top Plate

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70

Custom Stiffener Connection - Bottom Plate

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70

Monopole Flange Plate Connection

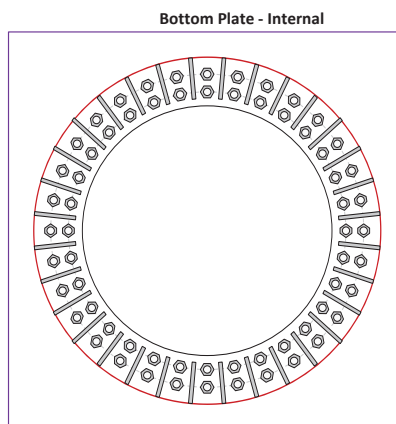
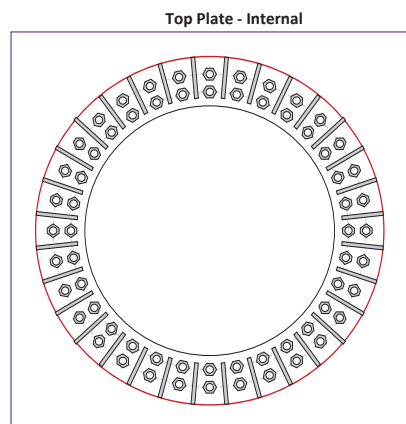
Elevation = 60 ft.



BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	654637 Rev.0
TIA-222 Revision	H

Applied Loads to Flange Connections		Applied Loads to Bridge Stiffeners	
Moment (kip-ft)	1938.28	Moment (kip-ft)	1764.88
Axial Force (kips)	66.44	Axial Force (kips)	0.00
Shear Force (kips)	44.16	Shear Force (kips)	0.00

*TIA-222-H Section 15.5 Applied



Connection Properties

Bolt Data

GROUP 1: (32) 1-1/4" $\varnothing$ bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 53" BC
 GROUP 2: (32) 1-1/4" $\varnothing$ bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 47" BC

Top Plate Data

42.25" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.375" fillet
 vert. weld: 0.375" fillet

Top Pole Data

60" x 0.5" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 1 Data

(3) Bolted, 6.5"x1.25", A572-65, Lu=19.25", Neglect Flange in MOI: No

Bottom Plate Data

42.25" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.375" fillet
 vert. weld: 0.375" fillet

Bottom Pole Data

60" x 0.625" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 2 Data

(3) Bolted, 4.5"x1", A572-65, Lu=20.625", Neglect Flange in MOI: No

Analysis Results

Bolt Capacity

Max Load (kips)	29.66
Allowable (kips)	87.20
Stress Rating:	32.4% Pass

Top Plate Capacity

Max Stress (ksi):	16.29	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	47.9%	Pass
Tension Side Stress Rating:	N/A	

Top Stiffener Capacity

Horizontal Weld:	30.1%	Pass
Vertical Weld:	26.3%	Pass
Plate Flexure+Shear:	21.0%	Pass
Plate Tension+Shear:	25.2%	Pass
Plate Compression:	52.0%	Pass

Top Pole Capacity

Punching Shear:	12.7%	Pass
-----------------	-------	------

Bridge Stiffener Group 1 Analysis Capacity

Max Compression (kip):	297.57	
Max Tension (kip):	297.57	
Comp. Capacity (kip):	362.66	
Tens. Capacity (kip):	393.75	(Rupture)
Comp. Stress Rating:	78.1%	Pass
Tens. Stress Rating:	72.0%	Pass

Bottom Plate Capacity

Max Stress (ksi):	16.29	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	47.9%	Pass
Tension Side Stress Rating:	N/A	

Bottom Stiffener Capacity

Horizontal Weld:	26.9%	Pass
Vertical Weld:	23.5%	Pass
Plate Flexure+Shear:	18.3%	Pass
Plate Tension+Shear:	22.2%	Pass
Plate Compression:	46.5%	Pass

Bottom Pole Capacity

Punching Shear:	9.1%	Pass
-----------------	------	------

Bridge Stiffener Group 2 Analysis Capacity

Max Compression (kip):	164.13	
Max Tension (kip):	164.13	
Comp. Capacity (kip):	162.05	
Tens. Capacity (kip):	195.00	(Rupture)
Comp. Stress Rating:	96.5%	Pass
Tens. Stress Rating:	80.2%	Pass

Elevation (ft)		60	(Flange)
Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes
2	Yes	Yes	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	File Factor, AL	L (in)	Thread Type	Area Override, in ²	Tension Only
1	1	120.75	1.25	A325	53	0.5	0	N-Included	No	No
2	1	11.25	1.25	A325	53	0.5	0	N-Included	No	No
3	1	22.5	1.25	A325	53	0.5	0	N-Included	No	No
4	1	33.75	1.25	A325	53	0.5	0	N-Included	No	No
5	1	45	1.25	A325	53	0.5	0	N-Included	No	No
6	1	56.25	1.25	A325	53	0.5	0	N-Included	No	No
7	1	67.5	1.25	A325	53	0.5	0	N-Included	No	No
8	1	78.75	1.25	A325	53	0.5	0	N-Included	No	No
9	1	90	1.25	A325	53	0.5	0	N-Included	No	No
10	1	101.25	1.25	A325	53	0.5	0	N-Included	No	No
11	1	112.5	1.25	A325	53	0.5	0	N-Included	No	No
12	1	123.75	1.25	A325	53	0.5	0	N-Included	No	No
13	1	135	1.25	A325	53	0.5	0	N-Included	No	No
14	1	146.25	1.25	A325	53	0.5	0	N-Included	No	No
15	1	157.5	1.25	A325	53	0.5	0	N-Included	No	No
16	1	168.75	1.25	A325	53	0.5	0	N-Included	No	No
17	1	180	1.25	A325	53	0.5	0	N-Included	No	No
18	1	191.25	1.25	A325	53	0.5	0	N-Included	No	No
19	1	202.5	1.25	A325	53	0.5	0	N-Included	No	No
20	1	213.75	1.25	A325	53	0.5	0	N-Included	No	No
21	1	225	1.25	A325	53	0.5	0	N-Included	No	No
22	1	236.25	1.25	A325	53	0.5	0	N-Included	No	No
23	1	247.5	1.25	A325	53	0.5	0	N-Included	No	No
24	1	258.75	1.25	A325	53	0.5	0	N-Included	No	No
25	1	270	1.25	A325	53	0.5	0	N-Included	No	No
26	1	281.25	1.25	A325	53	0.5	0	N-Included	No	No
27	1	292.5	1.25	A325	53	0.5	0	N-Included	No	No
28	1	303.75	1.25	A325	53	0.5	0	N-Included	No	No
29	1	315	1.25	A325	53	0.5	0	N-Included	No	No
30	1	326.25	1.25	A325	53	0.5	0	N-Included	No	No
31	1	337.5	1.25	A325	53	0.5	0	N-Included	No	No
32	1	348.75	1.25	A325	53	0.5	0	N-Included	No	No
33	2	120.75	1.25	A325	47	0.5	0	N-Included	No	No
34	2	11.25	1.25	A325	47	0.5	0	N-Included	No	No
35	2	22.5	1.25	A325	47	0.5	0	N-Included	No	No
36	2	33.75	1.25	A325	47	0.5	0	N-Included	No	No
37	2	45	1.25	A325	47	0.5	0	N-Included	No	No
38	2	56.25	1.25	A325	47	0.5	0	N-Included	No	No
39	2	67.5	1.25	A325	47	0.5	0	N-Included	No	No
40	2	78.75	1.25	A325	47	0.5	0	N-Included	No	No
41	2	90	1.25	A325	47	0.5	0	N-Included	No	No
42	2	101.25	1.25	A325	47	0.5	0	N-Included	No	No
43	2	112.5	1.25	A325	47	0.5	0	N-Included	No	No
44	2	123.75	1.25	A325	47	0.5	0	N-Included	No	No
45	2	135	1.25	A325	47	0.5	0	N-Included	No	No
46	2	146.25	1.25	A325	47	0.5	0	N-Included	No	No
47	2	157.5	1.25	A325	47	0.5	0	N-Included	No	No
48	2	168.75	1.25	A325	47	0.5	0	N-Included	No	No
49	2	180	1.25	A325	47	0.5	0	N-Included	No	No
50	2	191.25	1.25	A325	47	0.5	0	N-Included	No	No
51	2	202.5	1.25	A325	47	0.5	0	N-Included	No	No
52	2	213.75	1.25	A325	47	0.5	0	N-Included	No	No
53	2	225	1.25	A325	47	0.5	0	N-Included	No	No
54	2	236.25	1.25	A325	47	0.5	0	N-Included	No	No
55	2	247.5	1.25	A325	47	0.5	0	N-Included	No	No
56	2	258.75	1.25	A325	47	0.5	0	N-Included	No	No
57	2	270	1.25	A325	47	0.5	0	N-Included	No	No
58	2	281.25	1.25	A325	47	0.5	0	N-Included	No	No
59	2	292.5	1.25	A325	47	0.5	0	N-Included	No	No
60	2	303.75	1.25	A325	47	0.5	0	N-Included	No	No
61	2	315	1.25	A325	47	0.5	0	N-Included	No	No
62	2	326.25	1.25	A325	47	0.5	0	N-Included	No	No
63	2	337.5	1.25	A325	47	0.5	0	N-Included	No	No
64	2	348.75	1.25	A325	47	0.5	0	N-Included	No	No

Custom Stiffener Connection - Top Plate

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70

Custom Stiffener Connection - Bottom Plate

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70

Monopole Flange Plate Connection

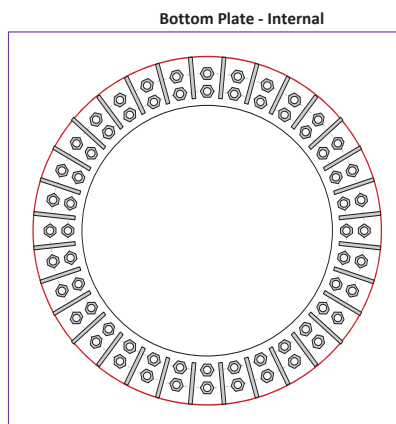
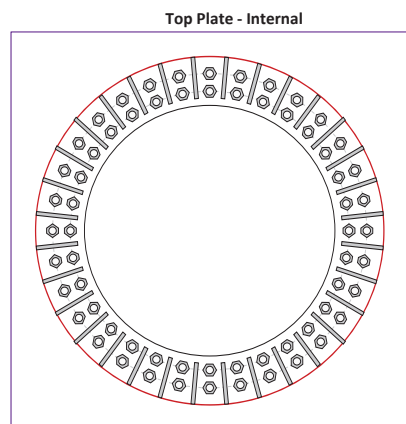
Elevation = 40 ft.



BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	654637 Rev.0
TIA-222 Revision	H

Applied Loads to Flange Connections		Applied Loads to Bridge Stiffeners	
Moment (kip-ft)	1884.28	Moment (kip-ft)	2729.59
Axial Force (kips)	80.76	Axial Force (kips)	0.00
Shear Force (kips)	47.24	Shear Force (kips)	0.00

*TIA-222-H Section 15.5 Applied



Connection Properties

Bolt Data

GROUP 1: (32) 1-1/4" $\varnothing$ bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 53" BC
 GROUP 2: (32) 1-1/4" $\varnothing$ bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 47" BC

Top Plate Data

42.25" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.375" fillet
 vert. weld: 0.375" fillet

Top Pole Data

60" x 0.625" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 1 Data

(6) Bolted, 6"x1", A572-65, Lu=16.375", Neglect Flange in MOI: No

Bottom Plate Data

42.25" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
 plate: Fy= 36 ksi ; weld: Fy= 70 ksi
 horiz. weld: 0.375" fillet
 vert. weld: 0.375" fillet

Bottom Pole Data

60" x 0.625" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 2 Data

(3) Bolted, 6.5"x1.25", A572-65, Lu=19.25", Neglect Flange in MOI: No

Analysis Results

Bolt Capacity

Max Load (kips)	28.58
Allowable (kips)	87.20
Stress Rating:	31.2% Pass

Top Plate Capacity

Max Stress (ksi):	15.98	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	47.0%	Pass
Tension Side Stress Rating:	N/A	

Top Stiffener Capacity

Horizontal Weld:	26.4%	Pass
Vertical Weld:	23.1%	Pass
Plate Flexure+Shear:	17.9%	Pass
Plate Tension+Shear:	21.7%	Pass
Plate Compression:	45.7%	Pass

Top Pole Capacity

Punching Shear:	8.9%	Pass
-----------------	------	------

Bridge Stiffener Group 1 Analysis Capacity

Max Compression (kip):	212.75	
Max Tension (kip):	212.75	
Comp. Capacity (kip):	258.51	
Tens. Capacity (kip):	285.00	(Rupture)
Comp. Stress Rating:	78.4%	Pass
Tens. Stress Rating:	71.1%	Pass

Bottom Plate Capacity

Max Stress (ksi):	15.98	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	47.0%	Pass
Tension Side Stress Rating:	N/A	

Bottom Stiffener Capacity

Horizontal Weld:	26.4%	Pass
Vertical Weld:	23.1%	Pass
Plate Flexure+Shear:	17.9%	Pass
Plate Tension+Shear:	21.7%	Pass
Plate Compression:	45.7%	Pass

Bottom Pole Capacity

Punching Shear:	8.9%	Pass
-----------------	------	------

Bridge Stiffener Group 2 Analysis Capacity

Max Compression (kip):	289.28	
Max Tension (kip):	289.28	
Comp. Capacity (kip):	362.66	
Tens. Capacity (kip):	393.75	(Rupture)
Comp. Stress Rating:	76.0%	Pass
Tens. Stress Rating:	70.0%	Pass

Elevation (ft)		40	(Flange)
Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes
2	Yes	Yes	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Tab Factor, A _L	L (in)	Thread Type	Area Override, in ²	Tension Only
1	1	11.25	1.25	A325	53	0.5	0	N-Included	No	No
2	1	11.25	1.25	A325	53	0.5	0	N-Included	No	No
3	1	22.5	1.25	A325	53	0.5	0	N-Included	No	No
4	1	33.75	1.25	A325	53	0.5	0	N-Included	No	No
5	1	45	1.25	A325	53	0.5	0	N-Included	No	No
6	1	56.25	1.25	A325	53	0.5	0	N-Included	No	No
7	1	67.5	1.25	A325	53	0.5	0	N-Included	No	No
8	1	78.75	1.25	A325	53	0.5	0	N-Included	No	No
9	1	90	1.25	A325	53	0.5	0	N-Included	No	No
10	1	101.25	1.25	A325	53	0.5	0	N-Included	No	No
11	1	112.5	1.25	A325	53	0.5	0	N-Included	No	No
12	1	123.75	1.25	A325	53	0.5	0	N-Included	No	No
13	1	135	1.25	A325	53	0.5	0	N-Included	No	No
14	1	146.25	1.25	A325	53	0.5	0	N-Included	No	No
15	1	157.5	1.25	A325	53	0.5	0	N-Included	No	No
16	1	168.75	1.25	A325	53	0.5	0	N-Included	No	No
17	1	180	1.25	A325	53	0.5	0	N-Included	No	No
18	1	191.25	1.25	A325	53	0.5	0	N-Included	No	No
19	1	202.5	1.25	A325	53	0.5	0	N-Included	No	No
20	1	213.75	1.25	A325	53	0.5	0	N-Included	No	No
21	1	225	1.25	A325	53	0.5	0	N-Included	No	No
22	1	236.25	1.25	A325	53	0.5	0	N-Included	No	No
23	1	247.5	1.25	A325	53	0.5	0	N-Included	No	No
24	1	258.75	1.25	A325	53	0.5	0	N-Included	No	No
25	1	270	1.25	A325	53	0.5	0	N-Included	No	No
26	1	281.25	1.25	A325	53	0.5	0	N-Included	No	No
27	1	292.5	1.25	A325	53	0.5	0	N-Included	No	No
28	1	303.75	1.25	A325	53	0.5	0	N-Included	No	No
29	1	315	1.25	A325	53	0.5	0	N-Included	No	No
30	1	326.25	1.25	A325	53	0.5	0	N-Included	No	No
31	1	337.5	1.25	A325	53	0.5	0	N-Included	No	No
32	1	348.75	1.25	A325	53	0.5	0	N-Included	No	No
33	2	11.25	1.25	A325	47	0.5	0	N-Included	No	No
34	2	11.25	1.25	A325	47	0.5	0	N-Included	No	No
35	2	22.5	1.25	A325	47	0.5	0	N-Included	No	No
36	2	33.75	1.25	A325	47	0.5	0	N-Included	No	No
37	2	45	1.25	A325	47	0.5	0	N-Included	No	No
38	2	56.25	1.25	A325	47	0.5	0	N-Included	No	No
39	2	67.5	1.25	A325	47	0.5	0	N-Included	No	No
40	2	78.75	1.25	A325	47	0.5	0	N-Included	No	No
41	2	90	1.25	A325	47	0.5	0	N-Included	No	No
42	2	101.25	1.25	A325	47	0.5	0	N-Included	No	No
43	2	112.5	1.25	A325	47	0.5	0	N-Included	No	No
44	2	123.75	1.25	A325	47	0.5	0	N-Included	No	No
45	2	135	1.25	A325	47	0.5	0	N-Included	No	No
46	2	146.25	1.25	A325	47	0.5	0	N-Included	No	No
47	2	157.5	1.25	A325	47	0.5	0	N-Included	No	No
48	2	168.75	1.25	A325	47	0.5	0	N-Included	No	No
49	2	180	1.25	A325	47	0.5	0	N-Included	No	No
50	2	191.25	1.25	A325	47	0.5	0	N-Included	No	No
51	2	202.5	1.25	A325	47	0.5	0	N-Included	No	No
52	2	213.75	1.25	A325	47	0.5	0	N-Included	No	No
53	2	225	1.25	A325	47	0.5	0	N-Included	No	No
54	2	236.25	1.25	A325	47	0.5	0	N-Included	No	No
55	2	247.5	1.25	A325	47	0.5	0	N-Included	No	No
56	2	258.75	1.25	A325	47	0.5	0	N-Included	No	No
57	2	270	1.25	A325	47	0.5	0	N-Included	No	No
58	2	281.25	1.25	A325	47	0.5	0	N-Included	No	No
59	2	292.5	1.25	A325	47	0.5	0	N-Included	No	No
60	2	303.75	1.25	A325	47	0.5	0	N-Included	No	No
61	2	315	1.25	A325	47	0.5	0	N-Included	No	No
62	2	326.25	1.25	A325	47	0.5	0	N-Included	No	No
63	2	337.5	1.25	A325	47	0.5	0	N-Included	No	No
64	2	348.75	1.25	A325	47	0.5	0	N-Included	No	No

Custom Stiffener Connection - Top Plate

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70

Custom Stiffener Connection - Bottom Plate

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70

Monopole Flange Plate Connection

Elevation = 20 ft.

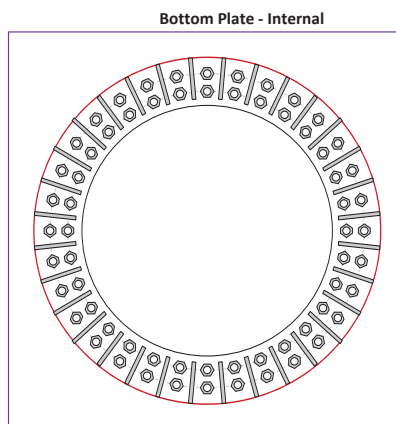
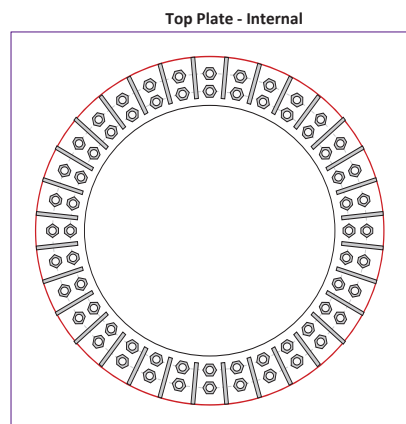


BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	654637 Rev.0

TIA-222 Revision	H
------------------	---

Applied Loads to Flange Connections		Applied Loads to Bridge Stiffeners	
Moment (kip-ft)	1926.93	Moment (kip-ft)	3745.79
Axial Force (kips)	99.76	Axial Force (kips)	0.00
Shear Force (kips)	51.19	Shear Force (kips)	0.00

*TIA-222-H Section 15.5 Applied



Connection Properties

Bolt Data

GROUP 1: (32) 1-1/4" $\varnothing$ bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 53" BC
GROUP 2: (32) 1-1/4" $\varnothing$ bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 47" BC

Top Plate Data

42.25" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Top Pole Data

60" x 0.625" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 1 Data

(6) Bolted, 6.5"x1.25", A572-65, Lu=19.25", Neglect Flange in MOI: No

Bottom Plate Data

42.25" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Stiffener Data

(32) 10"H x 7"W x 0.625"T, Notch: 0.5"
plate: Fy= 36 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.375" fillet
vert. weld: 0.375" fillet

Bottom Pole Data

60" x 0.75" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bridge Stiffener Group 2 Data

(3) Bolted, 8.5"x1.25", A572-65, Lu=17.25", Neglect Flange in MOI: No

Analysis Results

Bolt Capacity

Max Load (kips)	28.96
Allowable (kips)	87.20
Stress Rating:	31.6% Pass

Top Plate Capacity

Max Stress (ksi):	16.48	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	48.5%	Pass
Tension Side Stress Rating:	N/A	

Top Stiffener Capacity

Horizontal Weld:	27.3%	Pass
Vertical Weld:	23.9%	Pass
Plate Flexure+Shear:	18.7%	Pass
Plate Tension+Shear:	22.5%	Pass
Plate Compression:	47.2%	Pass

Top Pole Capacity

Punching Shear:	9.2%	Pass
-----------------	------	------

Bridge Stiffener Group 1 Analysis Capacity

Max Compression (kip):	295.82
Max Tension (kip):	295.82
Comp. Capacity (kip):	362.66
Tens. Capacity (kip):	393.75 (Rupture)
Comp. Stress Rating:	77.7% Pass
Tens. Stress Rating:	71.6% Pass

Bottom Plate Capacity

Max Stress (ksi):	16.48	(Roark's Flexural)
Allowable Stress (ksi):	32.40	
Stress Rating:	48.5%	Pass
Tension Side Stress Rating:	N/A	

Bottom Stiffener Capacity

Horizontal Weld:	24.7%	Pass
Vertical Weld:	21.6%	Pass
Plate Flexure+Shear:	16.5%	Pass
Plate Tension+Shear:	20.1%	Pass
Plate Compression:	42.7%	Pass

Bottom Pole Capacity

Punching Shear:	7.0%	Pass
-----------------	------	------

Bridge Stiffener Group 2 Analysis Capacity

Max Compression (kip):	386.85
Max Tension (kip):	386.85
Comp. Capacity (kip):	500.20
Tens. Capacity (kip):	543.75 (Rupture)
Comp. Stress Rating:	73.7% Pass
Tens. Stress Rating:	67.8% Pass

Elevation (ft)	20	(Flange)	
Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes
2	Yes	Yes	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	File Factor, AL	L (in)	Thread Type	Area Override, in ²	Tension Only
1	1	120.75	1.25	A325	53	0.5	0	N-Included	No	No
2	1	11.25	1.25	A325	53	0.5	0	N-Included	No	No
3	1	22.5	1.25	A325	53	0.5	0	N-Included	No	No
4	1	33.75	1.25	A325	53	0.5	0	N-Included	No	No
5	1	45	1.25	A325	53	0.5	0	N-Included	No	No
6	1	56.25	1.25	A325	53	0.5	0	N-Included	No	No
7	1	67.5	1.25	A325	53	0.5	0	N-Included	No	No
8	1	78.75	1.25	A325	53	0.5	0	N-Included	No	No
9	1	90	1.25	A325	53	0.5	0	N-Included	No	No
10	1	101.25	1.25	A325	53	0.5	0	N-Included	No	No
11	1	112.5	1.25	A325	53	0.5	0	N-Included	No	No
12	1	123.75	1.25	A325	53	0.5	0	N-Included	No	No
13	1	135	1.25	A325	53	0.5	0	N-Included	No	No
14	1	146.25	1.25	A325	53	0.5	0	N-Included	No	No
15	1	157.5	1.25	A325	53	0.5	0	N-Included	No	No
16	1	168.75	1.25	A325	53	0.5	0	N-Included	No	No
17	1	180	1.25	A325	53	0.5	0	N-Included	No	No
18	1	191.25	1.25	A325	53	0.5	0	N-Included	No	No
19	1	202.5	1.25	A325	53	0.5	0	N-Included	No	No
20	1	213.75	1.25	A325	53	0.5	0	N-Included	No	No
21	1	225	1.25	A325	53	0.5	0	N-Included	No	No
22	1	236.25	1.25	A325	53	0.5	0	N-Included	No	No
23	1	247.5	1.25	A325	53	0.5	0	N-Included	No	No
24	1	258.75	1.25	A325	53	0.5	0	N-Included	No	No
25	1	270	1.25	A325	53	0.5	0	N-Included	No	No
26	1	281.25	1.25	A325	53	0.5	0	N-Included	No	No
27	1	292.5	1.25	A325	53	0.5	0	N-Included	No	No
28	1	303.75	1.25	A325	53	0.5	0	N-Included	No	No
29	1	315	1.25	A325	53	0.5	0	N-Included	No	No
30	1	326.25	1.25	A325	53	0.5	0	N-Included	No	No
31	1	337.5	1.25	A325	53	0.5	0	N-Included	No	No
32	1	348.75	1.25	A325	53	0.5	0	N-Included	No	No
33	2	120.75	1.25	A325	47	0.5	0	N-Included	No	No
34	2	11.25	1.25	A325	47	0.5	0	N-Included	No	No
35	2	22.5	1.25	A325	47	0.5	0	N-Included	No	No
36	2	33.75	1.25	A325	47	0.5	0	N-Included	No	No
37	2	45	1.25	A325	47	0.5	0	N-Included	No	No
38	2	56.25	1.25	A325	47	0.5	0	N-Included	No	No
39	2	67.5	1.25	A325	47	0.5	0	N-Included	No	No
40	2	78.75	1.25	A325	47	0.5	0	N-Included	No	No
41	2	90	1.25	A325	47	0.5	0	N-Included	No	No
42	2	101.25	1.25	A325	47	0.5	0	N-Included	No	No
43	2	112.5	1.25	A325	47	0.5	0	N-Included	No	No
44	2	123.75	1.25	A325	47	0.5	0	N-Included	No	No
45	2	135	1.25	A325	47	0.5	0	N-Included	No	No
46	2	146.25	1.25	A325	47	0.5	0	N-Included	No	No
47	2	157.5	1.25	A325	47	0.5	0	N-Included	No	No
48	2	168.75	1.25	A325	47	0.5	0	N-Included	No	No
49	2	180	1.25	A325	47	0.5	0	N-Included	No	No
50	2	191.25	1.25	A325	47	0.5	0	N-Included	No	No
51	2	202.5	1.25	A325	47	0.5	0	N-Included	No	No
52	2	213.75	1.25	A325	47	0.5	0	N-Included	No	No
53	2	225	1.25	A325	47	0.5	0	N-Included	No	No
54	2	236.25	1.25	A325	47	0.5	0	N-Included	No	No
55	2	247.5	1.25	A325	47	0.5	0	N-Included	No	No
56	2	258.75	1.25	A325	47	0.5	0	N-Included	No	No
57	2	270	1.25	A325	47	0.5	0	N-Included	No	No
58	2	281.25	1.25	A325	47	0.5	0	N-Included	No	No
59	2	292.5	1.25	A325	47	0.5	0	N-Included	No	No
60	2	303.75	1.25	A325	47	0.5	0	N-Included	No	No
61	2	315	1.25	A325	47	0.5	0	N-Included	No	No
62	2	326.25	1.25	A325	47	0.5	0	N-Included	No	No
63	2	337.5	1.25	A325	47	0.5	0	N-Included	No	No
64	2	348.75	1.25	A325	47	0.5	0	N-Included	No	No

Custom Stiffener Connection - Top Plate

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70

Custom Stiffener Connection - Bottom Plate

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	5.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
2	1	16.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
3	1	28.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
4	1	39.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
5	1	50.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
6	1	61.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
7	1	73.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
8	1	84.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
9	1	95.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
10	1	106.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
11	1	118.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
12	1	129.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
13	1	140.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
14	1	151.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
15	1	163.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
16	1	174.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
17	1	185.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
18	1	196.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
19	1	208.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
20	1	219.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
21	1	230.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
22	1	241.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
23	1	253.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
24	1	264.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
25	1	275.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
26	1	286.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
27	1	298.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
28	1	309.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
29	1	320.625	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
30	1	331.875	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
31	1	343.125	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70
32	1	354.375	7	10	0.625	0.5	0.5	36	Filler			0.375	0.375	70

Monopole Base Plate Connection

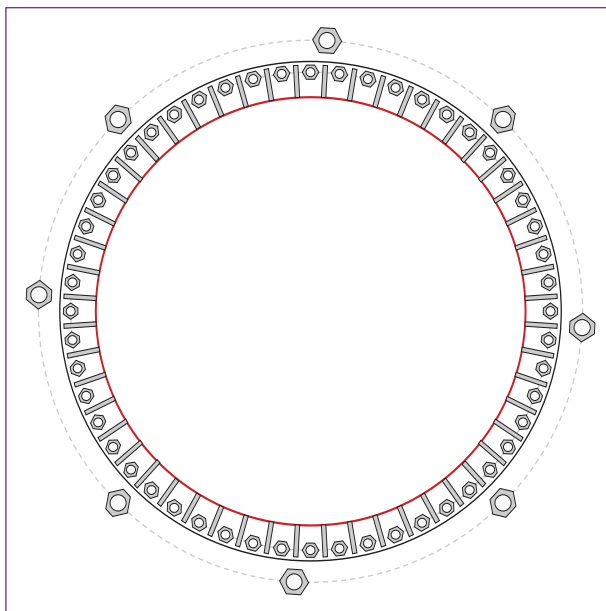


Site Info	
BU #	829046
Site Name	ston/ Rt-57/ Norfield R
Order #	654637 Rev.0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	See Custom Sheet
I_{ar} (in)	See Custom Sheet

Applied Loads	
Moment (kip-ft)	6638.36
Axial Force (kips)	115.24
Shear Force (kips)	52.76

*TIA-222-H Section 15.5 Applied



Connection Properties

Anchor Rod Data

GROUP 1: (52) 1-1/4" ϕ bolts (A687 N; $F_y=105$ ksi, $F_u=125$ ksi) on 67" BC
GROUP 2: (8) 2-1/4" ϕ bolts (F1554-105 N; $F_y=105$ ksi, $F_u=125$ ksi) on 76" BC

Base Plate Data

70" OD x 1.25" Plate (A36; $F_y=36$ ksi, $F_u=58$ ksi)

Stiffener Data

(52) 8"H x 4.5"W x 0.625"T, Notch: 0.5"

plate: $F_y=36$ ksi ; weld: $F_y=70$ ksi

horiz. weld: 0.375" fillet

vert. weld: 0.375" fillet

Pole Data

60" x 0.75" round pole (A53-B-42; $F_y=42$ ksi, $F_u=63$ ksi)

Analysis Results

Anchor Rod Summary

(units of kips, kip-in)

GROUP 1:

$P_u_t = 52.74$	$\phi P_n_t = 90.84$	Stress Rating
$V_u = 1.01$	$\phi V_n = 57.52$	55.3%
$M_u = n/a$	$\phi M_n = n/a$	Pass

GROUP 2:

$P_u_t = 209.07$	$\phi P_n_t = 304.69$	Stress Rating
$V_u = 0$	$\phi V_n = 186.38$	65.3%
$M_u = n/a$	$\phi M_n = n/a$	Pass

Base Plate Summary

Max Stress (ksi):	5.08	(Shear)
Allowable Stress (ksi):	21.6	
Stress Rating:	22.4%	Pass

Stiffener Summary

Horizontal Weld:	48.7%	Pass
Vertical Weld:	31.4%	Pass
Plate Flexure+Shear:	26.0%	Pass
Plate Tension+Shear:	43.3%	Pass
Plate Compression:	63.5%	Pass

Pole Summary

Punching Shear:	9.2%	Pass
-----------------	-------------	-------------

Elevation (ft) 0 (Base)

note: Bending interaction not considered when Grout Considered = "Yes"

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending	Grout Considered	Apply at BARB Elevation	BARB CL Elevation (ft)
1	Yes	Yes	Yes	Yes	No	
2	No	No	No	Yes	No	

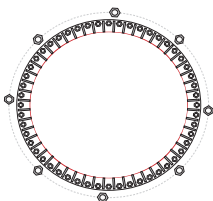
Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η	L_e (in)	Thread Type	Area Override, in ²	Tension Only
1	1	0	1.25	A687	67	0.5	0	N-Included		No
2	1	6.9230769	1.25	A687	67	0.5	0	N-Included		No
3	1	13.846154	1.25	A687	67	0.5	0	N-Included		No
4	1	20.769231	1.25	A687	67	0.5	0	N-Included		No
5	1	27.692308	1.25	A687	67	0.5	0	N-Included		No
6	1	34.615385	1.25	A687	67	0.5	0	N-Included		No
7	1	41.538462	1.25	A687	67	0.5	0	N-Included		No
8	1	48.461538	1.25	A687	67	0.5	0	N-Included		No
9	1	55.384615	1.25	A687	67	0.5	0	N-Included		No
10	1	62.307692	1.25	A687	67	0.5	0	N-Included		No
11	1	69.230769	1.25	A687	67	0.5	0	N-Included		No
12	1	76.153846	1.25	A687	67	0.5	0	N-Included		No
13	1	83.076923	1.25	A687	67	0.5	0	N-Included		No
14	1	90	1.25	A687	67	0.5	0	N-Included		No
15	1	96.923077	1.25	A687	67	0.5	0	N-Included		No
16	1	103.84615	1.25	A687	67	0.5	0	N-Included		No
17	1	110.76923	1.25	A687	67	0.5	0	N-Included		No
18	1	117.69231	1.25	A687	67	0.5	0	N-Included		No
19	1	124.61538	1.25	A687	67	0.5	0	N-Included		No
20	1	131.53846	1.25	A687	67	0.5	0	N-Included		No
21	1	138.46154	1.25	A687	67	0.5	0	N-Included		No
22	1	145.38462	1.25	A687	67	0.5	0	N-Included		No
23	1	152.30769	1.25	A687	67	0.5	0	N-Included		No
24	1	159.23077	1.25	A687	67	0.5	0	N-Included		No
25	1	166.15385	1.25	A687	67	0.5	0	N-Included		No
26	1	173.07692	1.25	A687	67	0.5	0	N-Included		No
27	1	180	1.25	A687	67	0.5	0	N-Included		No
28	1	186.92308	1.25	A687	67	0.5	0	N-Included		No
29	1	193.84615	1.25	A687	67	0.5	0	N-Included		No
30	1	200.76923	1.25	A687	67	0.5	0	N-Included		No
31	1	207.69231	1.25	A687	67	0.5	0	N-Included		No
32	1	214.61538	1.25	A687	67	0.5	0	N-Included		No
33	1	221.53846	1.25	A687	67	0.5	0	N-Included		No
34	1	228.46154	1.25	A687	67	0.5	0	N-Included		No
35	1	235.38462	1.25	A687	67	0.5	0	N-Included		No
36	1	242.30769	1.25	A687	67	0.5	0	N-Included		No
37	1	249.23077	1.25	A687	67	0.5	0	N-Included		No
38	1	256.15385	1.25	A687	67	0.5	0	N-Included		No
39	1	263.07692	1.25	A687	67	0.5	0	N-Included		No
40	1	270	1.25	A687	67	0.5	0	N-Included		No
41	1	276.92308	1.25	A687	67	0.5	0	N-Included		No
42	1	283.84615	1.25	A687	67	0.5	0	N-Included		No
43	1	290.76923	1.25	A687	67	0.5	0	N-Included		No
44	1	297.69231	1.25	A687	67	0.5	0	N-Included		No
45	1	304.61538	1.25	A687	67	0.5	0	N-Included		No
46	1	311.53846	1.25	A687	67	0.5	0	N-Included		No
47	1	318.46154	1.25	A687	67	0.5	0	N-Included		No
48	1	325.38462	1.25	A687	67	0.5	0	N-Included		No
49	1	332.30769	1.25	A687	67	0.5	0	N-Included		No
50	1	339.23077	1.25	A687	67	0.5	0	N-Included		No
51	1	346.15385	1.25	A687	67	0.5	0	N-Included		No
52	1	353.07692	1.25	A687	67	0.5	0	N-Included		No
53	2	358.53	2.25	F1554-105	76	0.5	0	N-Included		No
54	2	45	2.25	F1554-105	76	0.5	0	N-Included		No
55	2	86.53	2.25	F1554-105	76	0.5	0	N-Included		No
56	2	133	2.25	F1554-105	76	0.5	0	N-Included		No
57	2	178.53	2.25	F1554-105	76	0.5	0	N-Included		No
58	2	225	2.25	F1554-105	76	0.5	0	N-Included		No
59	2	266.53	2.25	F1554-105	76	0.5	0	N-Included		No
60	2	315	2.25	F1554-105	76	0.5	0	N-Included		No

Custom Stiffener Connection

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	3.4615385	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
2	1	10.384615	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
3	1	17.307692	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
4	1	24.230769	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
5	1	31.153846	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
6	1	38.076923	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
7	1	45	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
8	1	51.923077	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
9	1	58.846154	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
10	1	65.769231	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
11	1	72.692308	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
12	1	79.615385	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
13	1	86.538462	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
14	1	93.461538	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
15	1	100.38462	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
16	1	107.30769	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
17	1	114.23077	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
18	1	121.15385	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
19	1	128.07692	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
20	1	135	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
21	1	141.92308	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
22	1	148.84615	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
23	1	155.76923	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
24	1	162.69231	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
25	1	169.61538	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
26	1	176.53846	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
27	1	183.46154	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
28	1	190.38462	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
29	1	197.30769	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
30	1	204.23077	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
31	1	211.15385	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
32	1	218.07692	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
33	1	225	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
34	1	231.92308	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
35	1	238.84615	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
36	1	245.76923	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
37	1	252.69231	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
38	1	259.61538	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
39	1	266.53846	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
40	1	273.46154	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
41	1	280.38462	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
42	1	287.30769	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
43	1	294.23077	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
44	1	301.15385	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
45	1	308.07692	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
46	1	315	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
47	1	321.92308	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
48	1	328.84615	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
49	1	335.76923	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
50	1	342.69231	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
51	1	349.61538	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70
52	1	356.53846	4.5	8	0.625	0.5	0.5	36	Filet			0.375	0.375	70

Plot Graphic



Monopole Base Reaction Comparison Test



BU # :	829046
Site Name:	Weston/ Rt-57/ Norfield R
Order Number:	654637 Rev. 1
Design TIA:	TIA-222-F
Current TIA:	TIA-222-H
Component:	Monopole Base
Reference Doc ID:	7340070

TIA-222-F Compared To TIA-222-H

MONOPOLE BASE FOUNDATION REACTION COMPARISON

REACTIONS	DESIGN REACTIONS	*MODIFIED DESIGN REACTIONS	CURRENT REACTIONS	% CAPACITY
MOMENT (kip-ft)	5224.2	7052.7	6638.0	89.6%
SHEAR (kips)	39.1	52.8	53.0	95.6%

Design loads from: CCI sites Doc #7340070

Although the shear capacity is at 95.6%, the moment reaction is the governing criteria for a monopole drilled pier foundation. Therefore, the overall capacity for this foundation is 89.6%.

*Design loads were multiplied by 1.35 for comparison as allowed by TIA-222-H, Section 15.6.

ASCE 7 Hazards Report

Address:

No Address at This Location

Standard:

ASCE/SEI 7-16

Risk Category: IV**Soil Class:**

D - Default (see
Section 11.4.3)

Latitude:

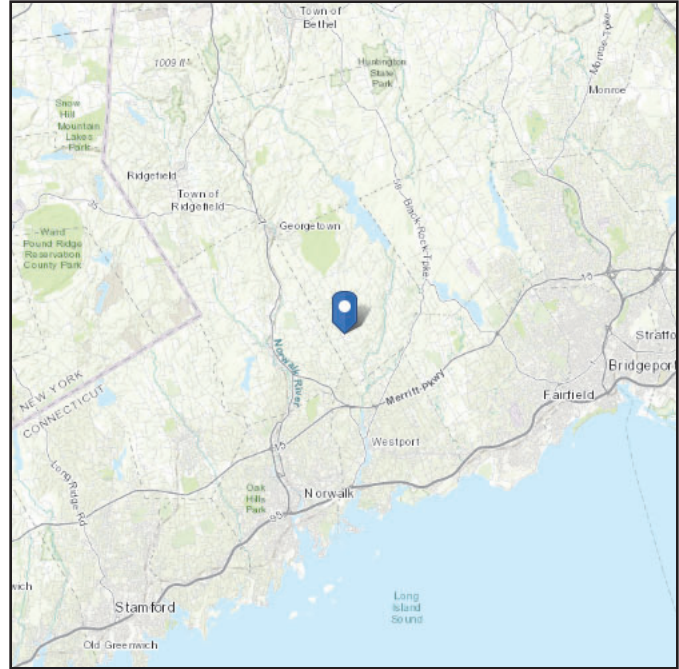
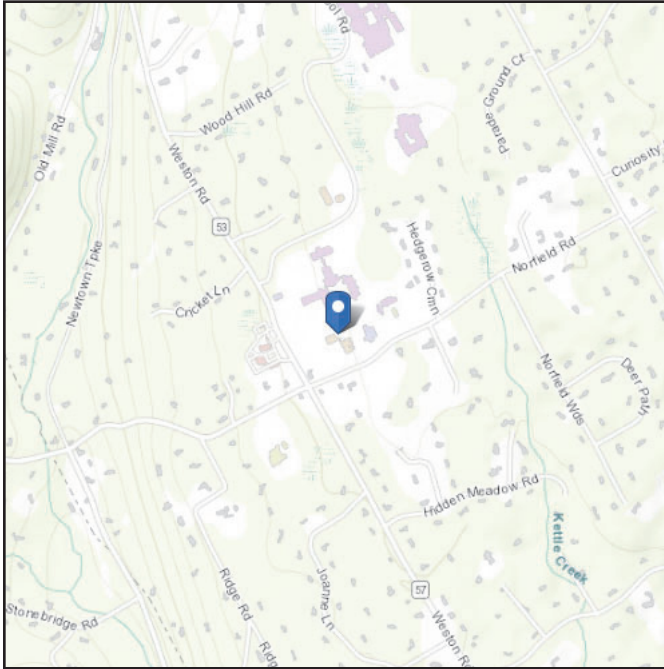
41.202333

Longitude:

-73.379611

Elevation:

321.59022862093946 ft
(NAVD 88)



Wind

Results:

Wind Speed	131 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	90 Vmph
100-year MRI	97 Vmph

Data Source:

ASCE/SEI 7-16, Fig. 26.5-1D and Figs. CC.2-1–CC.2-4, and Section 26.5.2

Date Accessed:

Mon Jul 24 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 1.6% probability of exceedance in 50 years (annual exceedance probability = 0.00033, MRI = 3,000 years).

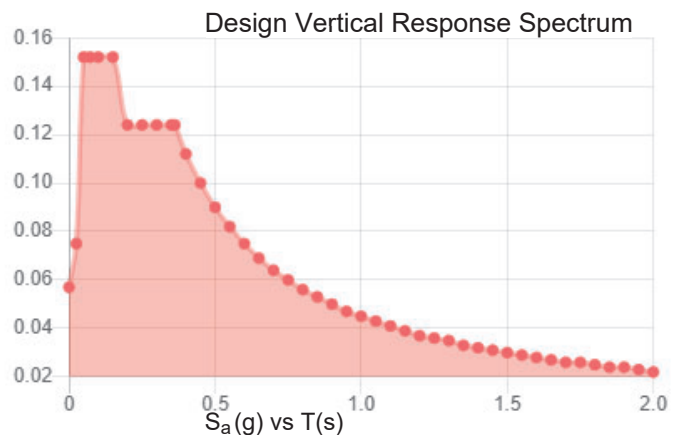
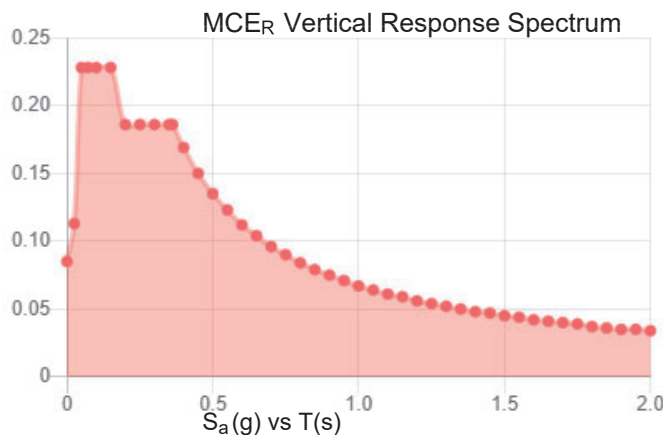
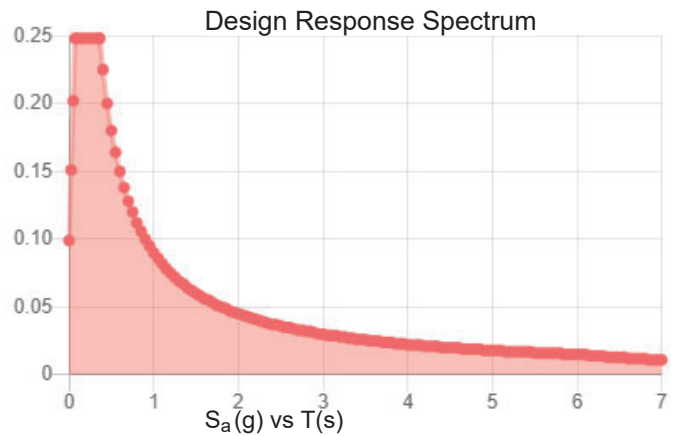
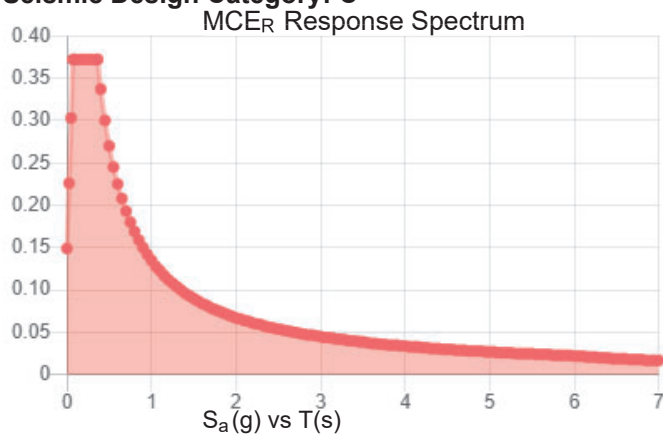
Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class:

Results:

S_S :	0.233	S_{D1} :	0.09
S_1 :	0.056	T_L :	6
F_a :	1.6	PGA :	0.136
F_v :	2.4	PGA _M :	0.208
S_{MS} :	0.372	F_{PGA} :	1.528
S_{M1} :	0.135	I_e :	1.5
S_{DS} :	0.248	C_v :	0.765

Seismic Design Category: C



Data Accessed:

Mon Jul 24 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.

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: Mon Jul 24 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.

The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided "as is" and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE 7 standard.

In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE 7 Hazard Tool.